

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090525\
 Data File : BF143653.D
 Acq On : 05 Sep 2025 11:22
 Operator : RC/JU
 Sample : Q2893-03
 Misc : MDL-SOIL 8PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2025

Quant Time: Sep 05 12:08:29 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 03 18:35:49 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 09/05/2025
 Supervised By :Jagrut Upadhyay 09/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	70998	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	269307	20.000	ng	0.00
39) Acenaphthene-d10	9.921	164	157603	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	269385	20.000	ng	0.00
76) Chrysene-d12	14.045	240	177434	20.000	ng	0.00
86) Perylene-d12	15.515	264	155879	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	494358	123.354	ng	0.00
7) Phenol-d6	6.510	99	622173	125.083	ng	0.00
23) Nitrobenzene-d5	7.451	82	383183	100.003	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	199618	151.465	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	845139	85.674	ng	0.00
79) Terphenyl-d14	12.998	244	963802	90.507	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.675	88	13968	7.387	ng	98
3) Pyridine	3.475	79	33448	6.677	ng	99
4) n-Nitrosodimethylamine	3.375	42	15014	7.216	ng	95
6) Aniline	6.551	93	55067	7.953	ng	99
8) 2-Chlorophenol	6.675	128	34467	8.305	ng	96
9) Benzaldehyde	6.439	77	28020	7.582	ng	96
10) Phenol	6.522	94	41913m	7.686	ng	
11) bis(2-Chloroethyl)ether	6.622	93	32593	7.631	ng	97
12) 1,3-Dichlorobenzene	6.828	146	40838	7.973	ng	99
13) 1,4-Dichlorobenzene	6.904	146	41326	8.044	ng	98
14) 1,2-Dichlorobenzene	7.057	146	39244	8.071	ng	97
15) Benzyl Alcohol	7.022	79	28597	7.566	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	46375	6.899	ng	97
17) 2-Methylphenol	7.128	107	28338	7.809	ng	98
18) Hexachloroethane	7.404	117	12415	7.746	ng	94
19) n-Nitroso-di-n-propyla...	7.292	70	24838	7.841	ng	98
20) 3+4-Methylphenols	7.280	107	36356	7.959	ng	# 89
22) Acetophenone	7.292	105	50060	8.220	ng	# 95
24) Nitrobenzene	7.469	77	35892	8.761	ng	97
25) Isophorone	7.698	82	65869	7.629	ng	99
26) 2-Nitrophenol	7.780	139	14028	12.100	ng	98
27) 2,4-Dimethylphenol	7.810	122	32649	8.685	ng	98
28) bis(2-Chloroethoxy)met...	7.916	93	40244	7.624	ng	99
29) 2,4-Dichlorophenol	8.016	162	30180	8.181	ng	98
30) 1,2,4-Trichlorobenzene	8.110	180	33617	8.362	ng	100
31) Naphthalene	8.192	128	107094	8.130	ng	98
32) Benzoic acid	7.857	122	11429	11.740	ng	95
33) 4-Chloroaniline	8.233	127	40478	8.875	ng	98
34) Hexachlorobutadiene	8.310	225	20430	7.813	ng	98
35) Caprolactam	8.563	113	7827	7.917	ng	92
36) 4-Chloro-3-methylphenol	8.704	107	30700	7.947	ng	99
37) 2-Methylnaphthalene	8.880	142	64385	7.226	ng	99
38) 1-Methylnaphthalene	8.980	142	67413	7.913	ng	96
40) 1,2,4,5-Tetrachloroben...	9.045	216	34595	7.943	ng	99
41) Hexachlorocyclopentadiene	9.033	237	19353	9.150	ng	100
43) 2,4,6-Trichlorophenol	9.151	196	21430	7.986	ng	100

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Manual Integrations
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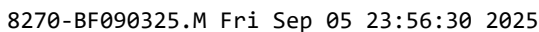
Reviewed By :Rahul Chavli 09/05/2025
 Supervised By :Jagrut Upadhyay 09/05/2025

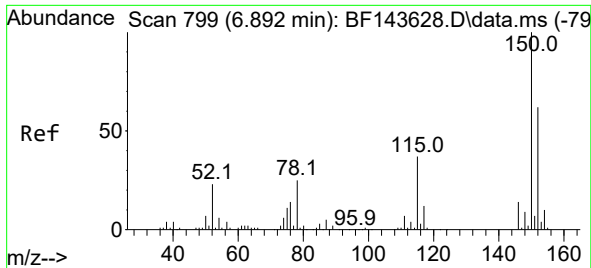
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	22951	8.284	ng	99
46) 1,1'-Biphenyl	9.345	154	89481	7.983	ng	100
47) 2-Chloronaphthalene	9.369	162	69066	7.874	ng	99
48) 2-Nitroaniline	9.457	65	17800	10.161	ng	99
49) Acenaphthylene	9.786	152	110025	8.703	ng	98
50) Dimethylphthalate	9.639	163	79746	7.991	ng	99
51) 2,6-Dinitrotoluene	9.698	165	15388	11.599	ng	97
52) Acenaphthene	9.957	154	66204	7.829	ng	99
53) 3-Nitroaniline	9.863	138	16535	10.722	ng	98
54) 2,4-Dinitrophenol	9.969	184	4086	13.231	ng	84
55) Dibenzofuran	10.127	168	98462	8.014	ng	98
56) 4-Nitrophenol	10.004	139	12238	8.271	ng	98
57) 2,4-Dinitrotoluene	10.098	165	19320	11.098	ng	98
58) Fluorene	10.469	166	79805	8.398	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.239	232	20077m	9.542	ng	
60) Diethylphthalate	10.339	149	75579	7.977	ng	98
61) 4-Chlorophenyl-phenyle...	10.463	204	39315	8.291	ng	98
62) 4-Nitroaniline	10.474	138	15063	10.045	ng	97
63) Azobenzene	10.621	77	67879	7.601	ng	99
65) 4,6-Dinitro-2-methylph...	10.504	198	7244	13.750	ng	98
66) n-Nitrosodiphenylamine	10.580	169	68281	7.853	ng	100
67) 4-Bromophenyl-phenylether	10.951	248	23474	7.513	ng	97
68) Hexachlorobenzene	11.016	284	25086	7.644	ng	99
69) Atrazine	11.098	200	21235	8.169	ng	100
70) Pentachlorophenol	11.204	266	14121	7.660	ng	98
71) Phenanthrene	11.433	178	116156	7.974	ng	99
72) Anthracene	11.480	178	114782	7.857	ng	100
73) Carbazole	11.633	167	101081	8.209	ng	98
74) Di-n-butylphthalate	11.968	149	114790	8.302	ng	99
75) Fluoranthene	12.615	202	113144	8.457	ng	100
77) Benzidine	12.739	184	46679	11.499	ng	98
78) Pyrene	12.845	202	113548	7.755	ng	99
80) Butylbenzylphthalate	13.468	149	30479	9.384	ng	99
81) Benzo(a)anthracene	14.033	228	86974	7.568	ng	99
82) 3,3'-Dichlorobenzidine	13.998	252	26358	8.413	ng	# 98
83) Chrysene	14.068	228	80364	7.779	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	42832	9.043	ng	100
85) Di-n-octyl phthalate	14.639	149	64525	6.129	ng	98
87) Indeno(1,2,3-cd)pyrene	16.997	276	80188	7.379	ng	99
88) Benzo(b)fluoranthene	15.080	252	72588	7.729	ng	99
89) Benzo(k)fluoranthene	15.109	252	63059	7.764	ng	97
90) Benzo(a)pyrene	15.451	252	64627	8.005	ng	99
91) Dibenzo(a,h)anthracene	17.015	278	66751	7.468	ng	99
92) Benzo(g,h,i)perylene	17.445	276	64802	7.526	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations

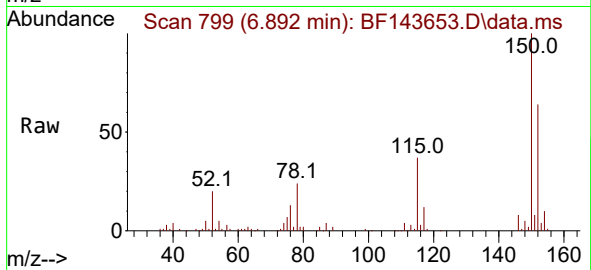
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. 0.000 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

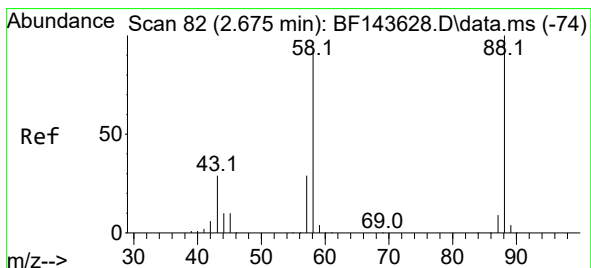
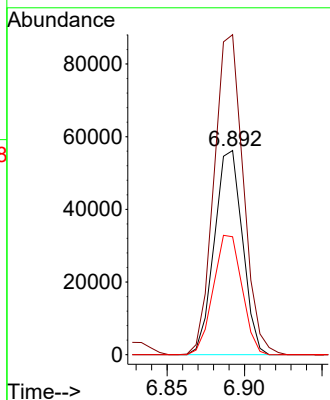
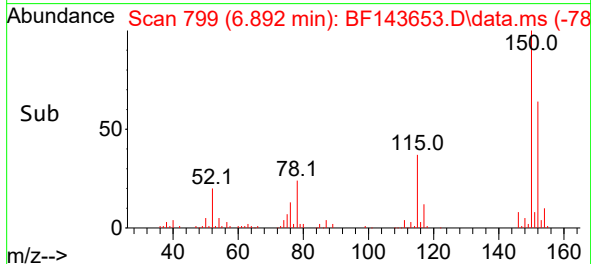
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 152 Resp: 70998
Ion Ratio Lower Upper
152 100
150 156.7 128.4 192.6
115 57.8 47.9 71.9

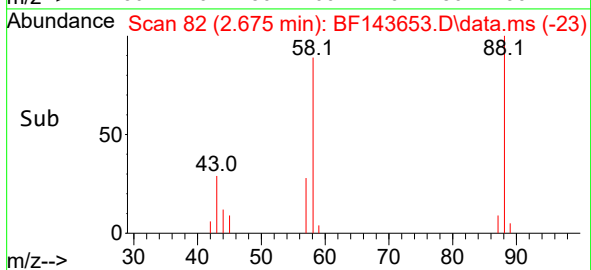
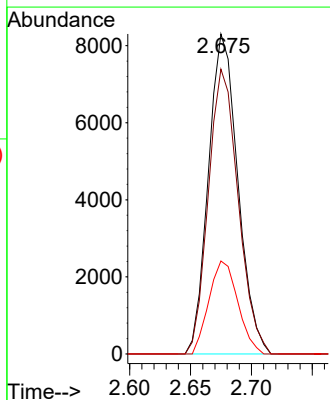
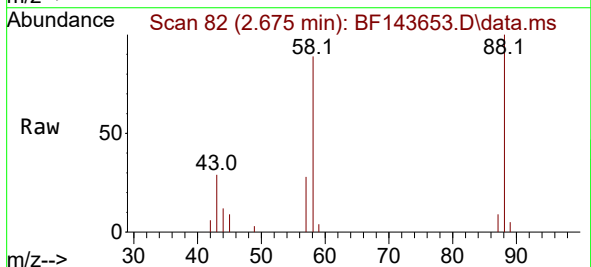
Manual Integrations
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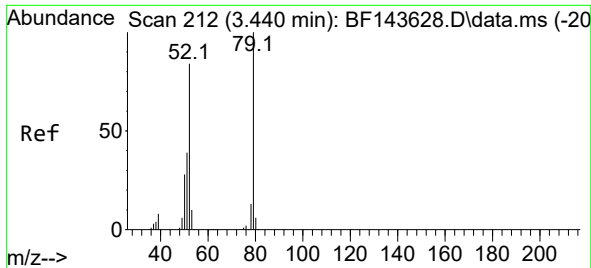
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#2
1,4-Dioxane
Concen: 7.387 ng
RT: 2.675 min Scan# 82
Delta R.T. -0.000 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

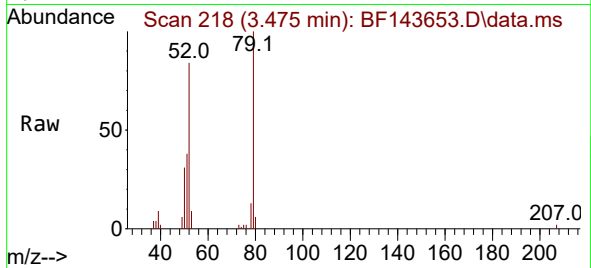
Tgt Ion: 88 Resp: 13968
Ion Ratio Lower Upper
88 100
58 90.0 73.9 110.9
43 28.5 23.4 35.2





#3
Pyridine
Concen: 6.677 ng
RT: 3.475 min Scan# 212
Delta R.T. 0.035 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

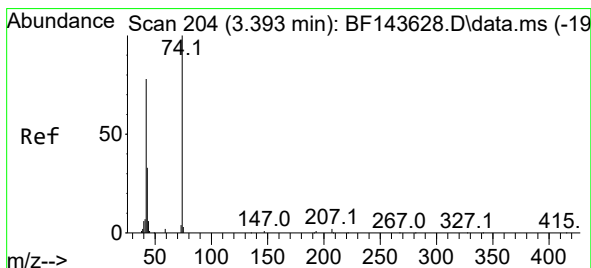
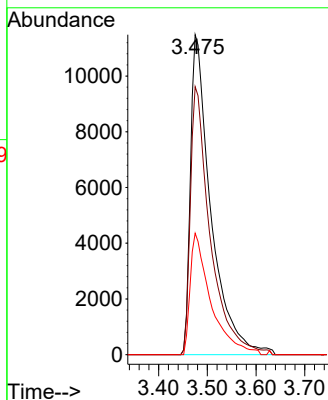
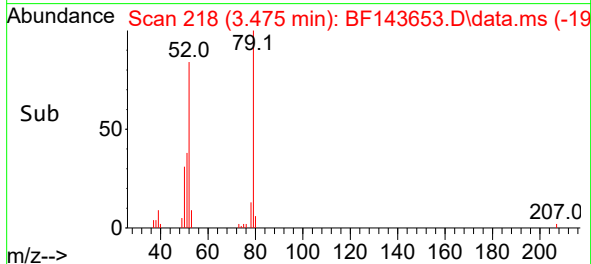
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 79 Resp: 3344
Ion Ratio Lower Upper
79 100
52 83.7 67.4 101.2
51 37.9 31.0 46.6

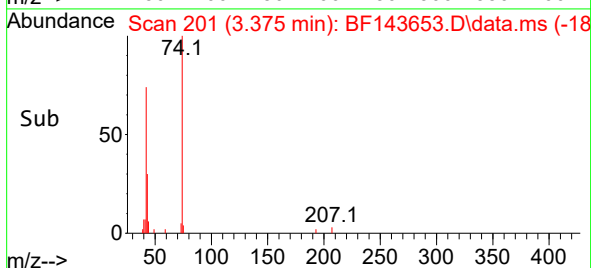
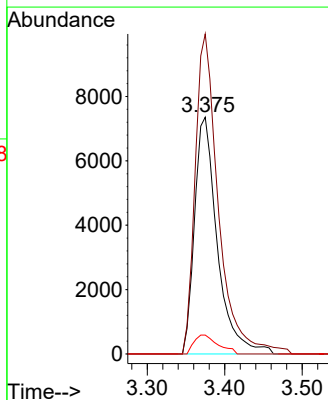
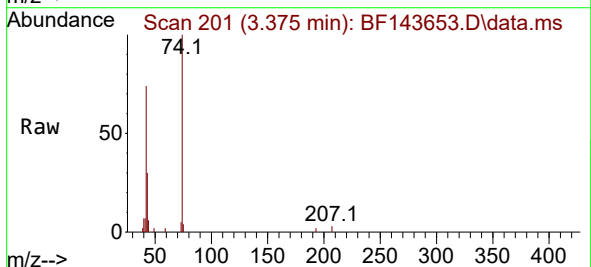
Manual Integrations
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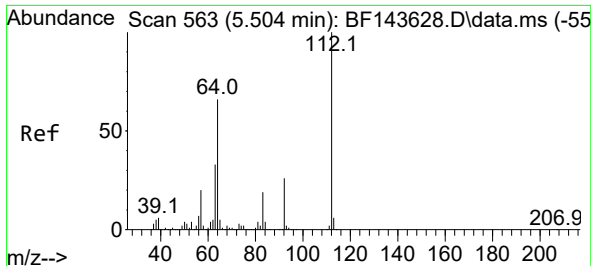
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#4
n-Nitrosodimethylamine
Concen: 7.216 ng
RT: 3.375 min Scan# 201
Delta R.T. -0.018 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

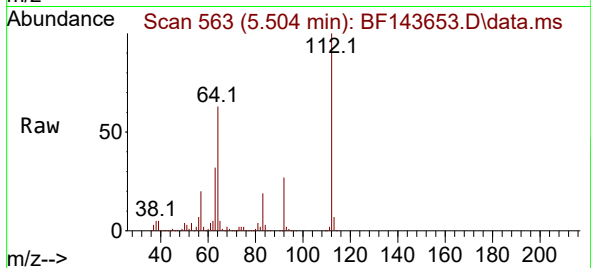
Tgt Ion: 42 Resp: 15014
Ion Ratio Lower Upper
42 100
74 135.1 102.9 154.3
44 7.9 6.5 9.7





#5
2-Fluorophenol
Concen: 123.354 ng
RT: 5.504 min Scan# 50
Delta R.T. -0.000 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

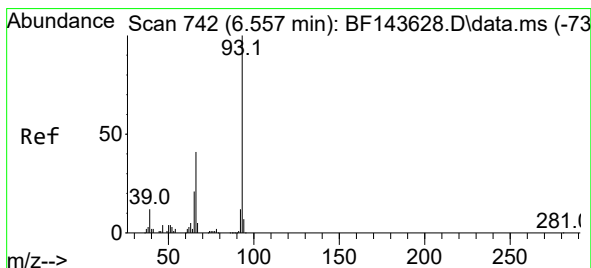
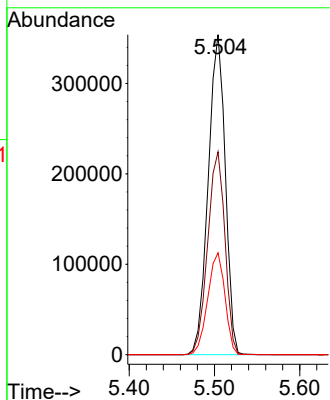
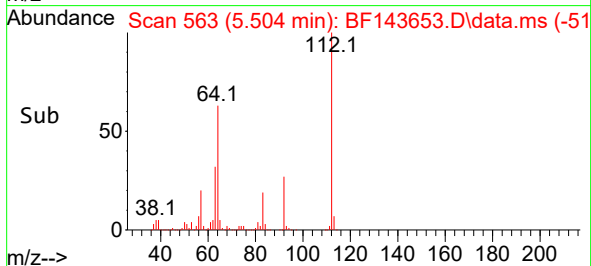
Instrument :
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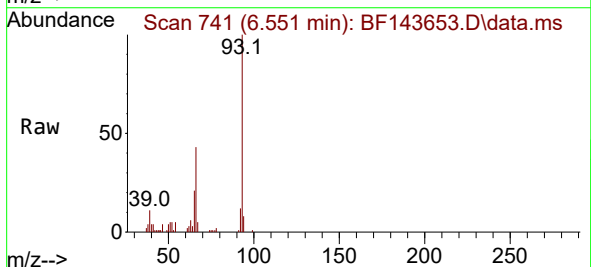
Tgt Ion: 112 Resp: 494358
Ion Ratio Lower Upper
112 100
64 63.4 52.7 79.1
63 31.9 26.5 39.7

Manual Integrations
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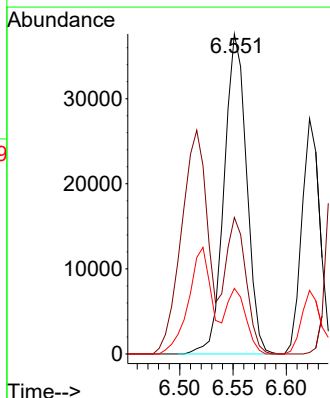
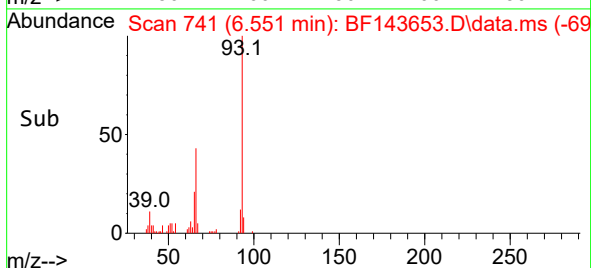
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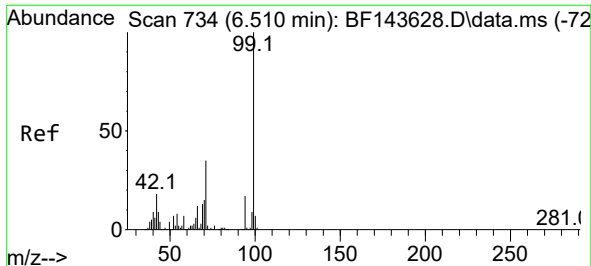


#6
Aniline
Concen: 7.953 ng
RT: 6.551 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22



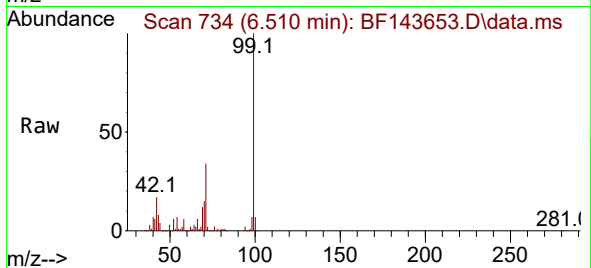
Tgt Ion: 93 Resp: 55067
Ion Ratio Lower Upper
93 100
66 42.6 34.6 51.8
65 20.5 16.9 25.3





#7
Phenol-d6
Concen: 125.083 ng
RT: 6.510 min Scan# 734
Delta R.T. -0.000 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

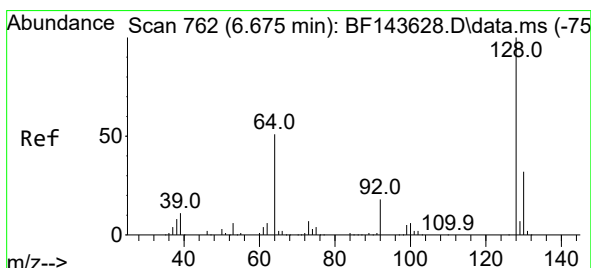
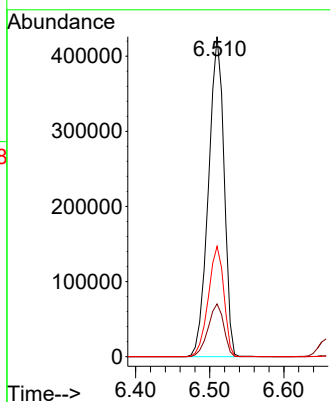
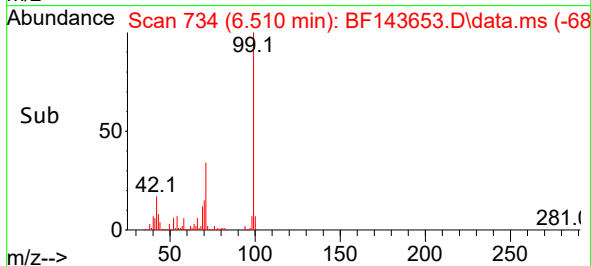
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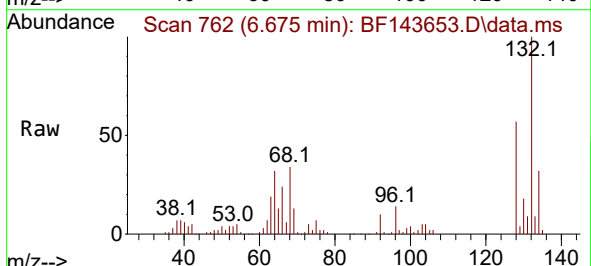
Tgt Ion: 99 Resp: 62217
Ion Ratio Lower Upper
99 100
42 16.5 14.6 22.0
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Manual Integrations
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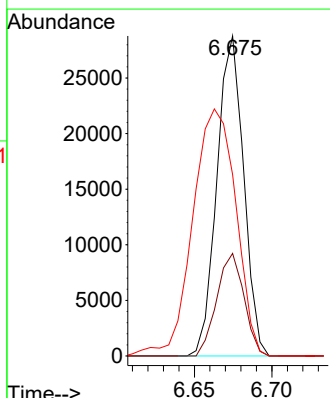
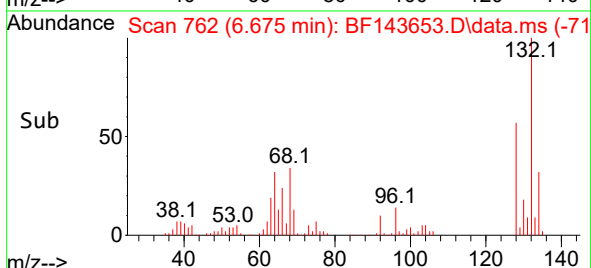
Reviewed By :Rahul Chavli 09/05/2025
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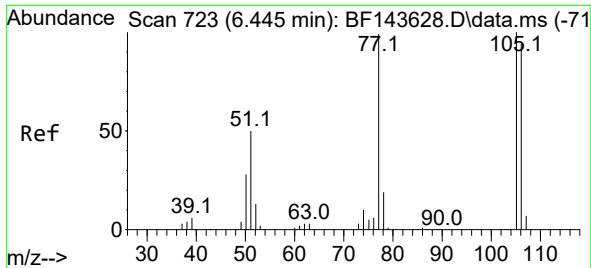


#8
2-Chlorophenol
Concen: 8.305 ng
RT: 6.675 min Scan# 762
Delta R.T. -0.000 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22



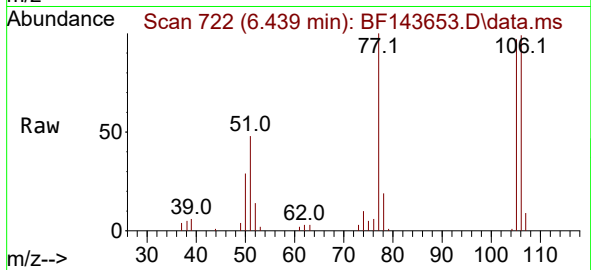
Tgt Ion:128 Resp: 34467
Ion Ratio Lower Upper
128 100
130 32.0 12.3 52.3
64 56.7 32.9 72.9





#9
Benzaldehyde
Concen: 7.582 ng
RT: 6.439 min Scan# 723
Delta R.T. -0.006 min
Lab File: BF143653.D
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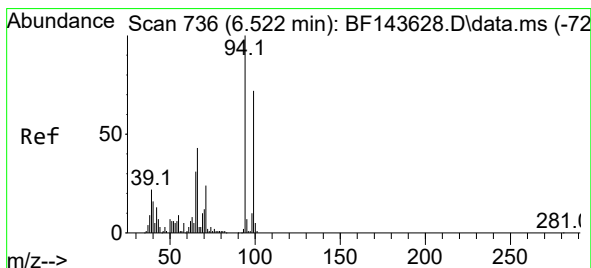
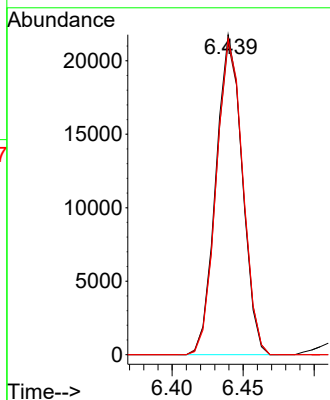
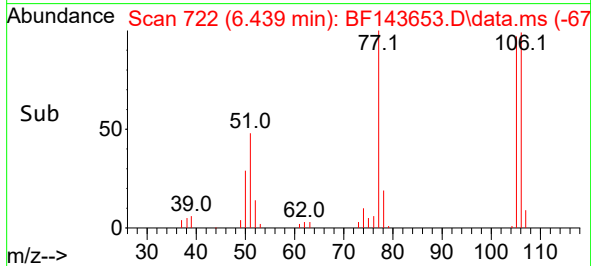
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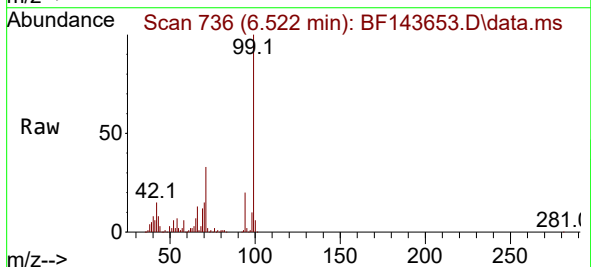
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Ion Ratio Lower Upper
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106 98.8 75.1 115.1

Manual Integrations
APPROVED

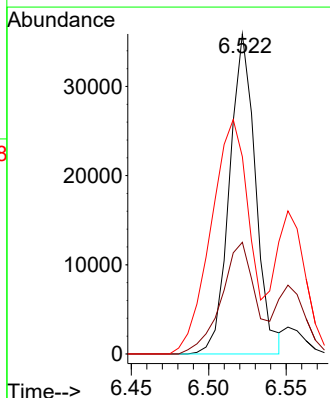
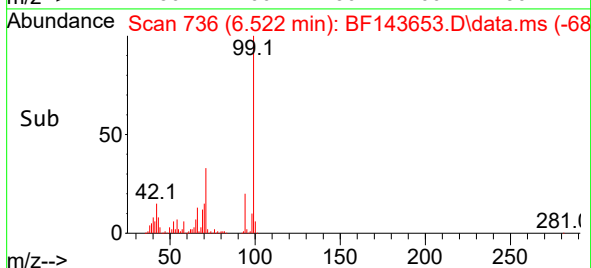
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025

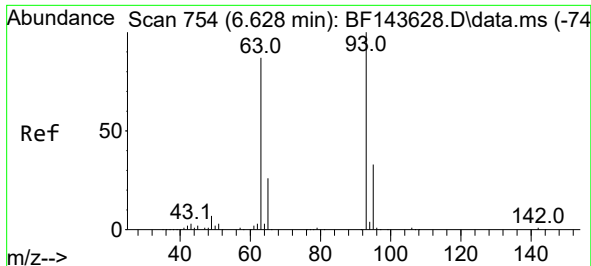


#10
Phenol
Concen: 7.686 ng m
RT: 6.522 min Scan# 736
Delta R.T. -0.000 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22



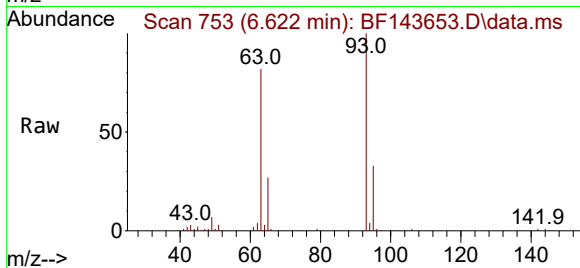
Tgt Ion: 94 Resp: 41913
Ion Ratio Lower Upper
94 100
65 34.9 11.4 51.4
66 61.7 23.7 63.7





#11
bis(2-Chloroethyl)ether
Concen: 7.631 ng
RT: 6.622 min Scan# 754
Delta R.T. -0.006 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

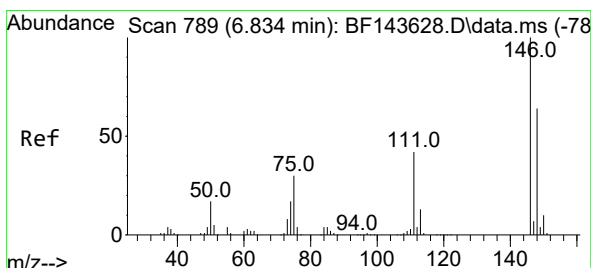
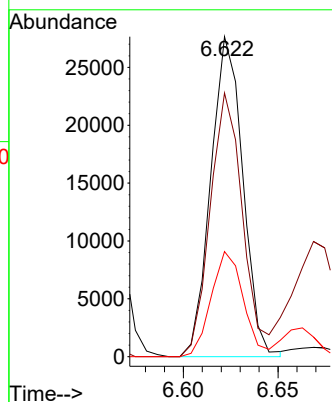
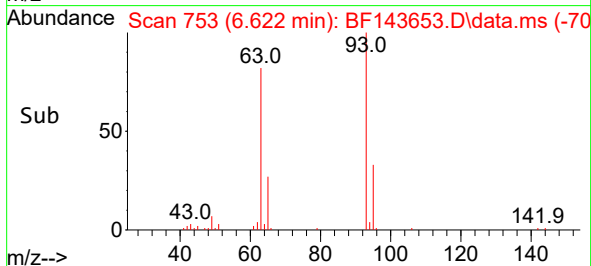
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 93 Resp: 3259
Ion Ratio Lower Upper
93 100
63 82.4 66.5 106.5
95 32.9 12.7 52.7

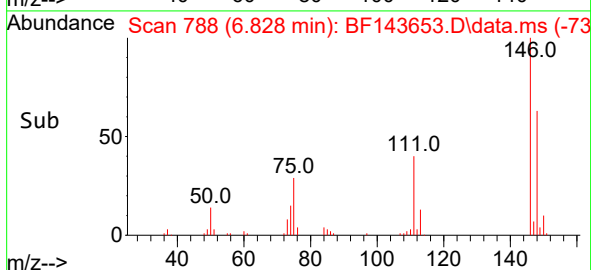
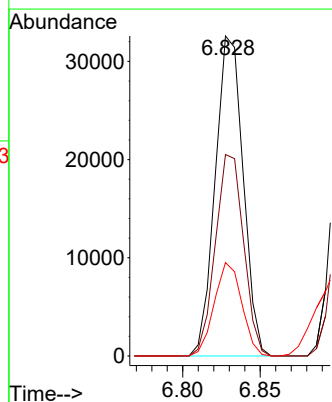
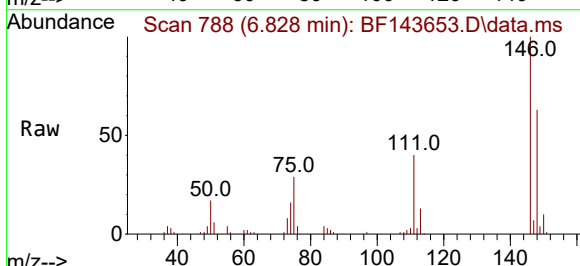
Manual Integrations
APPROVED

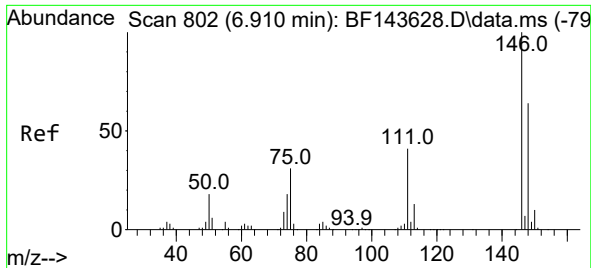
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#12
1,3-Dichlorobenzene
Concen: 7.973 ng
RT: 6.828 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

Tgt Ion:146 Resp: 40838
Ion Ratio Lower Upper
146 100
148 63.0 50.9 76.3
75 29.2 24.2 36.2





#13

1,4-Dichlorobenzene

Concen: 8.044 ng

RT: 6.904 min Scan# 801

Delta R.T. -0.006 min

Lab File: BF143653.D

Acq: 05 Sep 2025 11:22

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2025

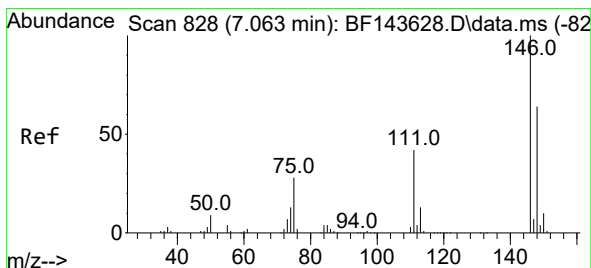
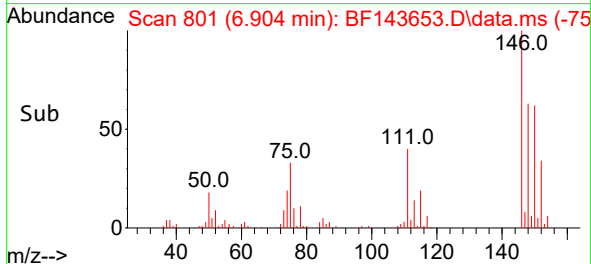
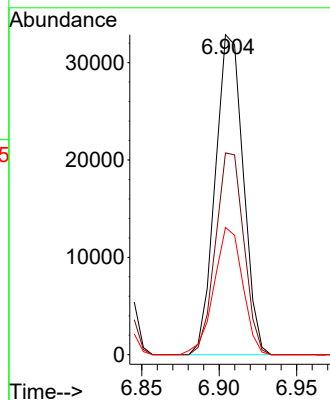
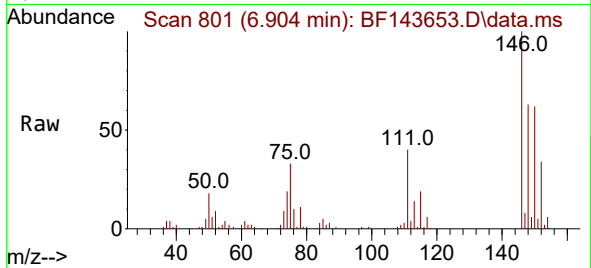
Tgt Ion:146	Resp:	41320
Ion Ratio	Lower	Upper
146	100	
148	63.1	51.4 77.2
111	39.8	33.1 49.7

Manual Integrations

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Reviewed By :Rahul Chavli 09/05/2025

Supervised By :Jagrut Upadhyay 09/05/2025



#14

1,2-Dichlorobenzene

Concen: 8.071 ng

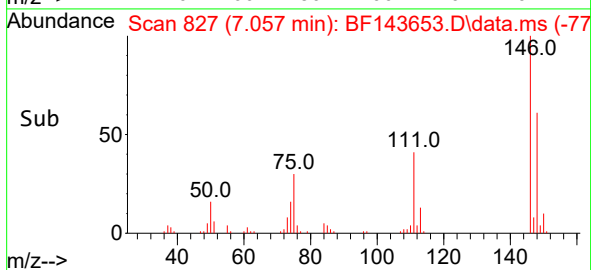
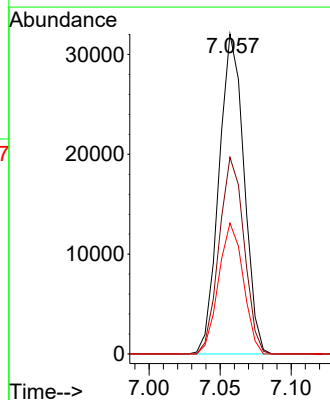
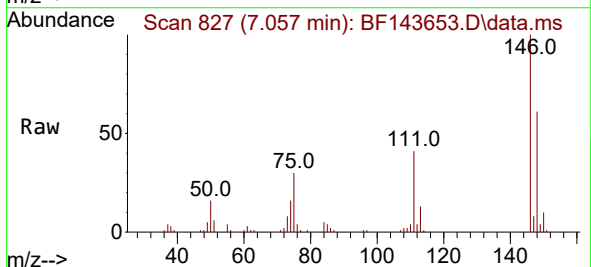
RT: 7.057 min Scan# 827

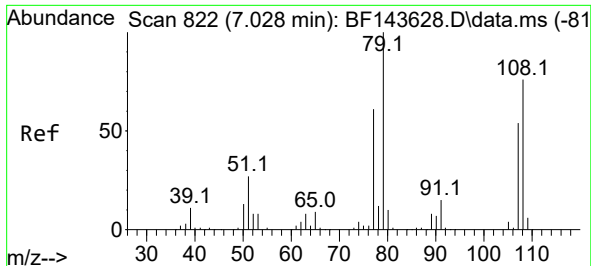
Delta R.T. -0.006 min

Lab File: BF143653.D

Acq: 05 Sep 2025 11:22

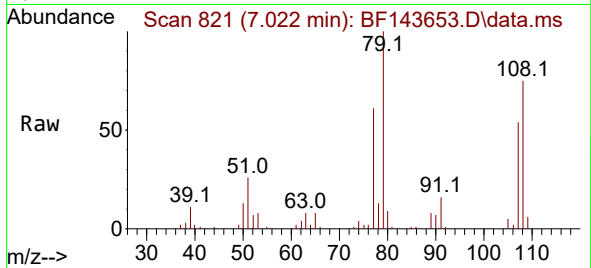
Tgt Ion:146	Resp:	39244
Ion Ratio	Lower	Upper
146	100	
148	61.5	51.2 76.8
111	40.9	33.9 50.9





#15
Benzyl Alcohol
Concen: 7.566 ng
RT: 7.022 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

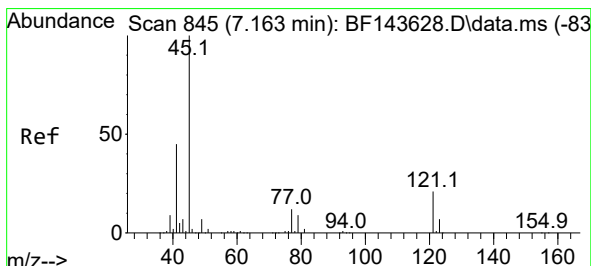
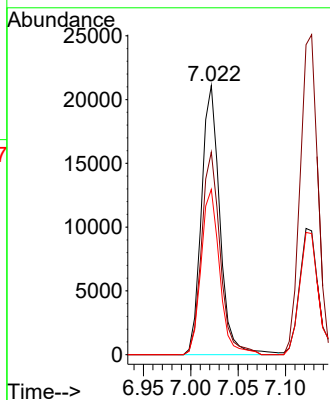
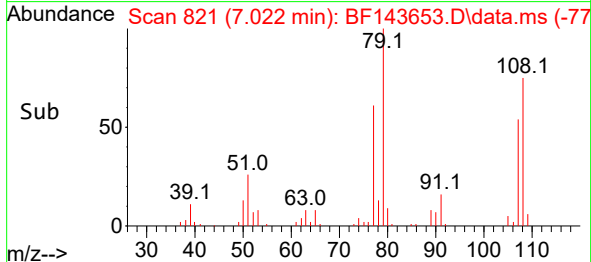
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 79 Resp: 2859
Ion Ratio Lower Upper
79 100
108 75.3 60.9 91.3
77 61.5 48.4 72.6

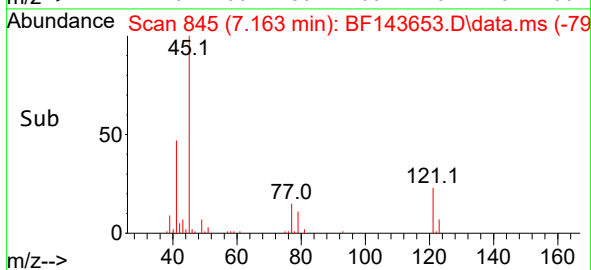
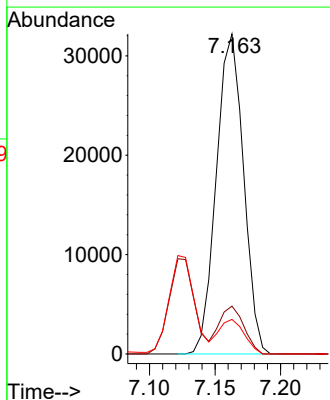
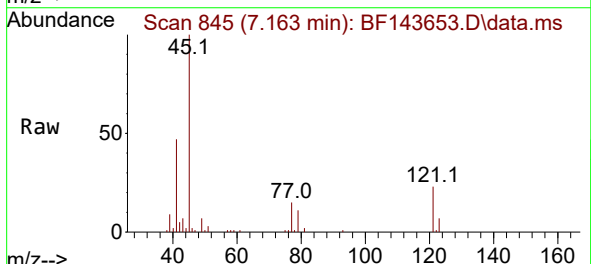
Manual Integrations
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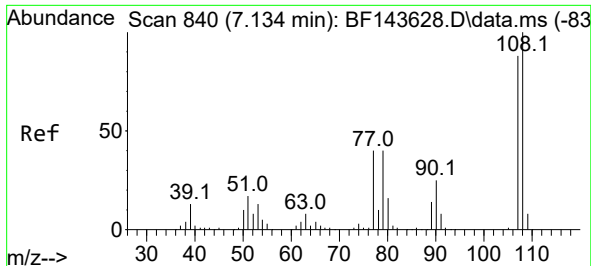
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 6.899 ng
RT: 7.163 min Scan# 845
Delta R.T. -0.000 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

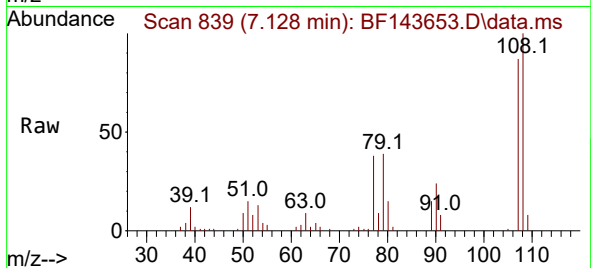
Tgt Ion: 45 Resp: 46375
Ion Ratio Lower Upper
45 100
77 14.9 0.0 33.5
79 10.8 0.0 29.8





#17
2-Methylphenol
Concen: 7.809 ng
RT: 7.128 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

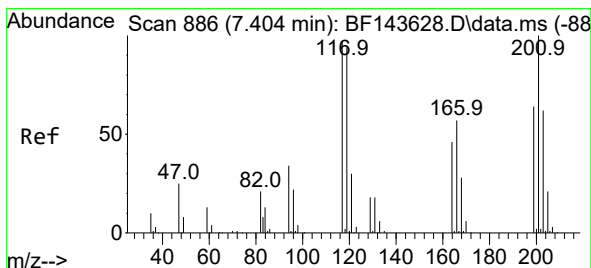
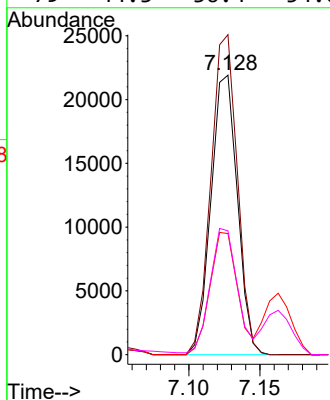
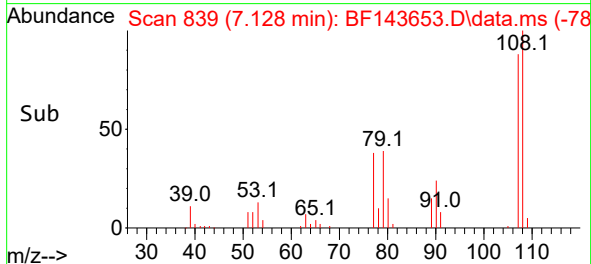
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:107 Resp: 28338
Ion Ratio Lower Upper
107 100
108 114.5 90.5 135.7
77 43.3 35.9 53.9
79 44.3 36.4 54.6

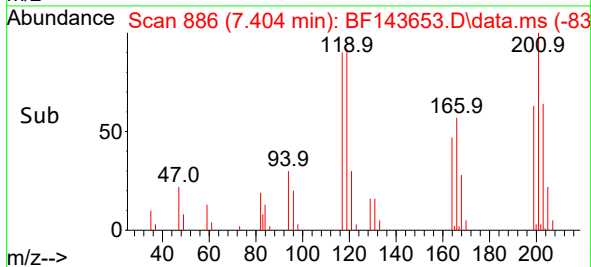
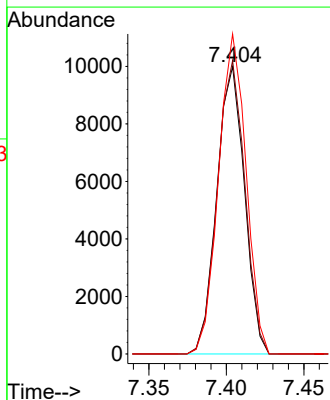
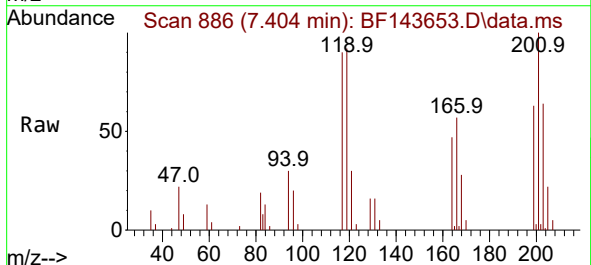
Manual Integrations
APPROVED

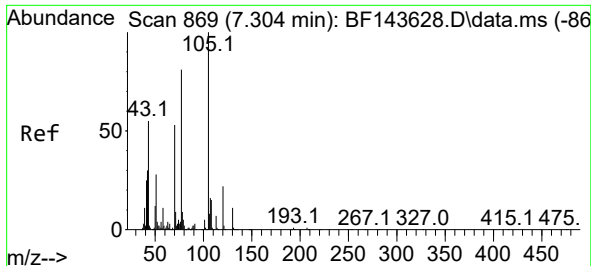
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#18
Hexachloroethane
Concen: 7.746 ng
RT: 7.404 min Scan# 886
Delta R.T. -0.000 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

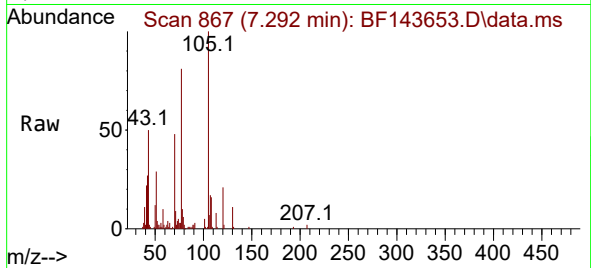
Tgt Ion:117 Resp: 12415
Ion Ratio Lower Upper
117 100
119 102.1 77.7 116.5
201 111.4 82.7 124.1





#19
n-Nitroso-di-n-propylamine
Concen: 7.841 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.012 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

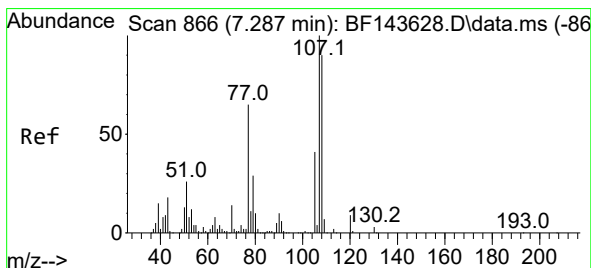
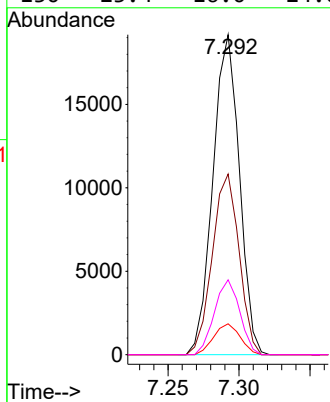
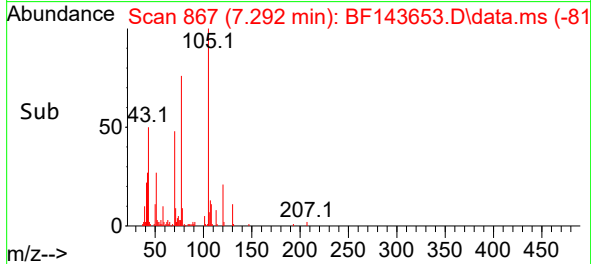
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025



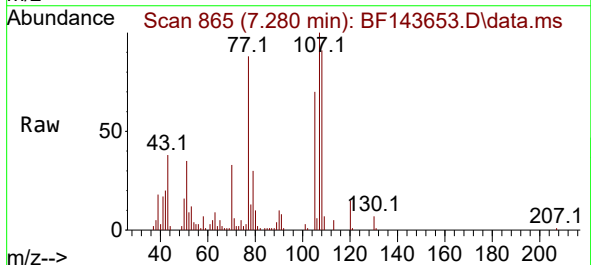
Tgt Ion: 70 Resp: 24838
Ion Ratio Lower Upper
70 100
42 56.5 45.2 67.8
101 9.6 7.6 11.4
130 23.4 16.0 24.0

Manual Integrations
APPROVED

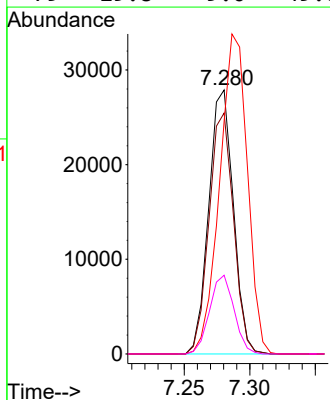
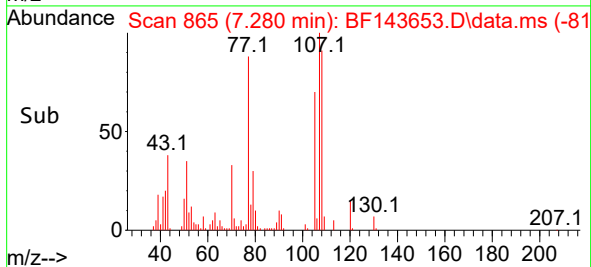
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025

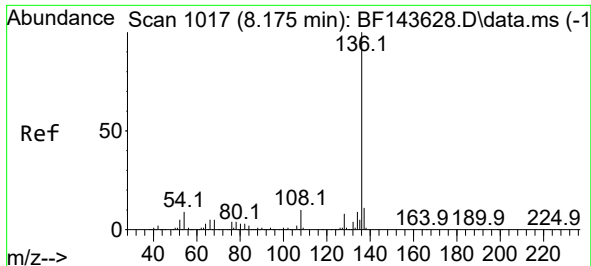


#20
3+4-Methylphenols
Concen: 7.959 ng
RT: 7.280 min Scan# 865
Delta R.T. -0.006 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22



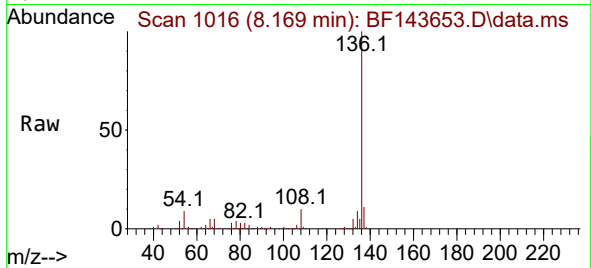
Tgt Ion:107 Resp: 36356
Ion Ratio Lower Upper
107 100
108 91.3 69.6 109.6
77 88.2 45.5 85.5#
79 29.8 9.0 49.0





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

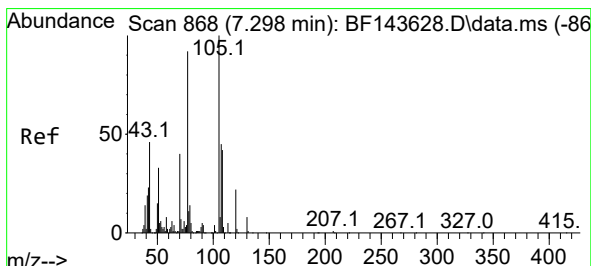
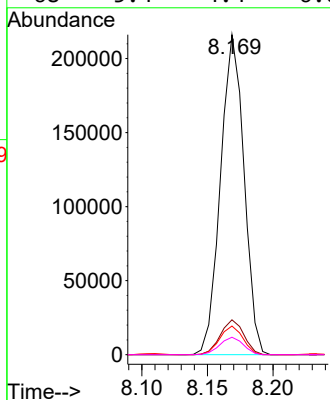
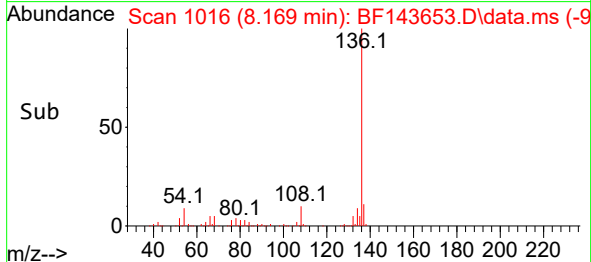
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:136 Resp: 269307
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 9.0 7.3 10.9
68 5.4 4.4 6.6

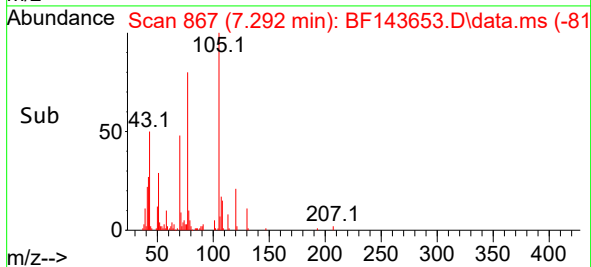
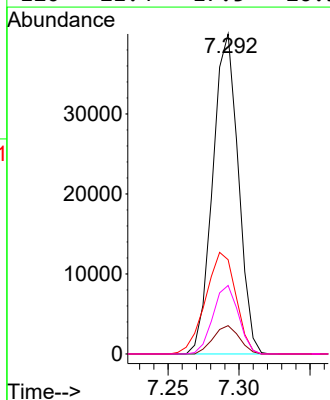
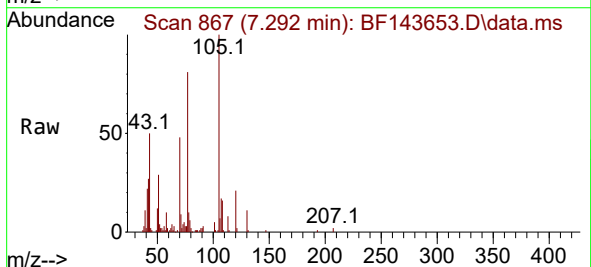
Manual Integrations
APPROVED

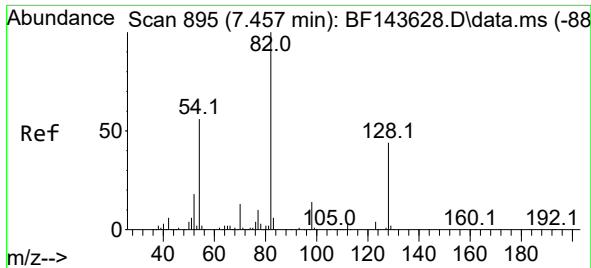
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#22
Acetophenone
Concen: 8.220 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.006 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

Tgt Ion:105 Resp: 50060
Ion Ratio Lower Upper
105 100
71 8.8 5.3 7.9#
51 29.5 26.7 40.1
120 21.4 17.5 26.3





#23

Nitrobenzene-d5

Concen: 100.003 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.006 min

Lab File: BF143653.D

Acq: 05 Sep 2025 11:22

Instrument :

BNA_F

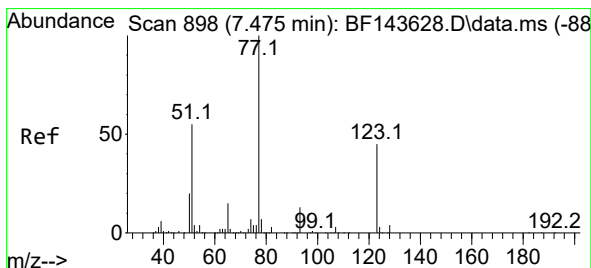
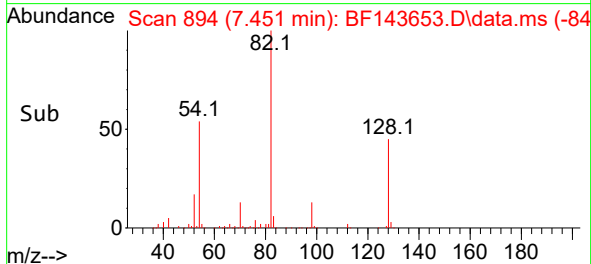
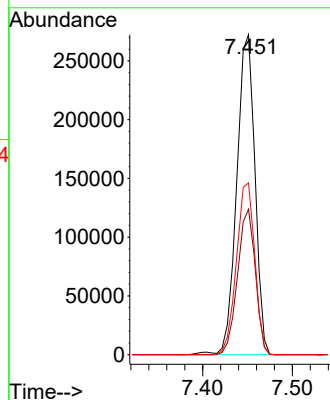
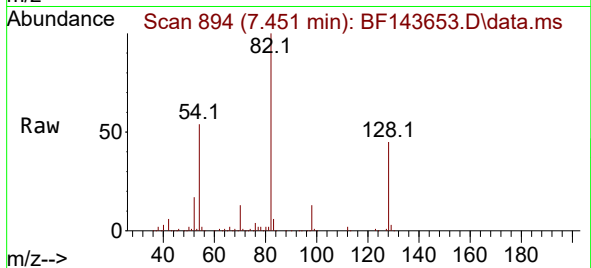
ClientSampleId :

MDL-SOIL-03-QT3-2025

Tgt Ion: 82 Resp: 38318
 Ion Ratio Lower Upper
 82 100
 128 45.4 34.7 52.1
 54 53.7 44.8 67.2

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/05/2025
 Supervised By :Jagrut Upadhyay 09/05/2025



#24

Nitrobenzene

Concen: 8.761 ng

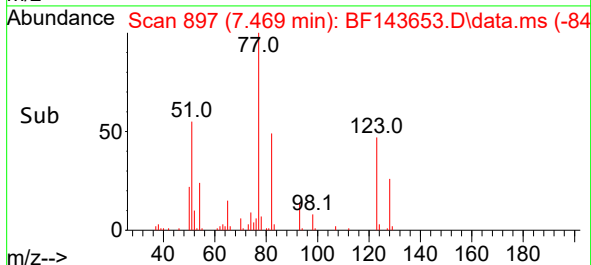
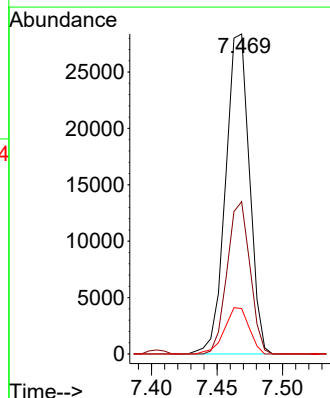
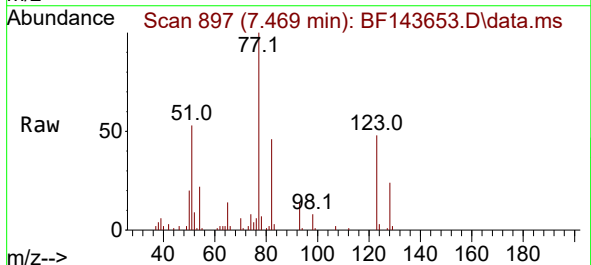
RT: 7.469 min Scan# 897

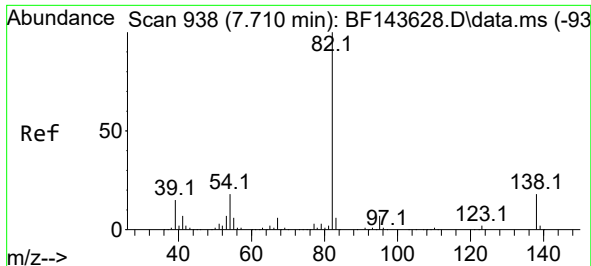
Delta R.T. -0.006 min

Lab File: BF143653.D

Acq: 05 Sep 2025 11:22

Tgt Ion: 77 Resp: 35892
 Ion Ratio Lower Upper
 77 100
 123 47.6 36.2 54.4
 65 14.2 11.8 17.8





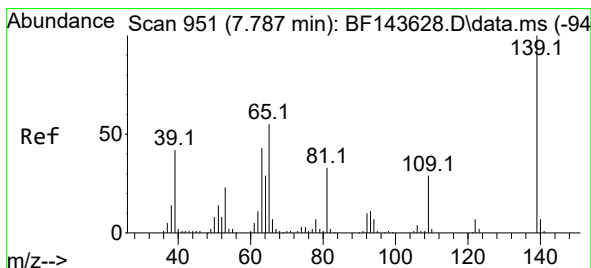
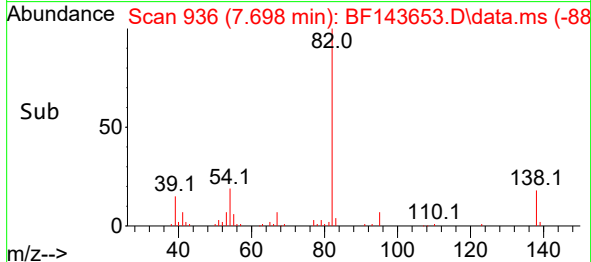
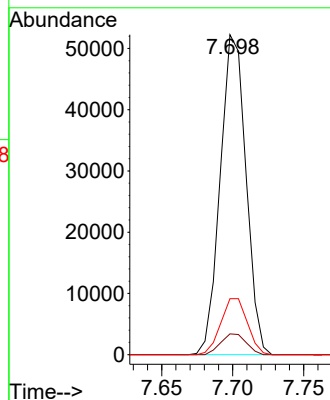
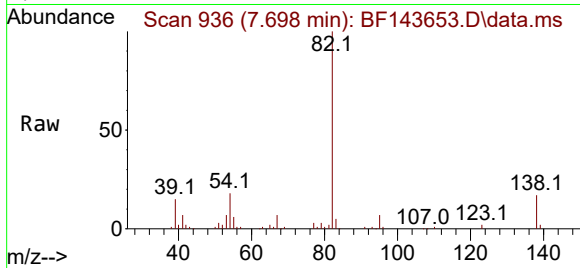
#25
Isophorone
Concen: 7.629 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025

Tgt Ion: 82 Resp: 65869
Ion Ratio Lower Upper
82 100
95 6.5 5.8 8.8
138 17.5 14.2 21.2

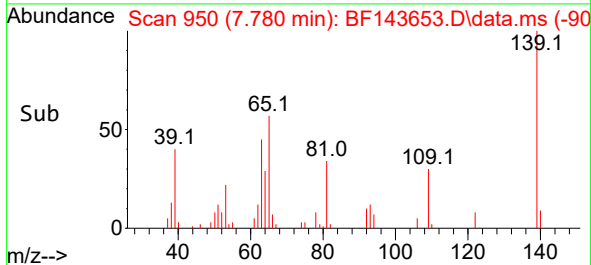
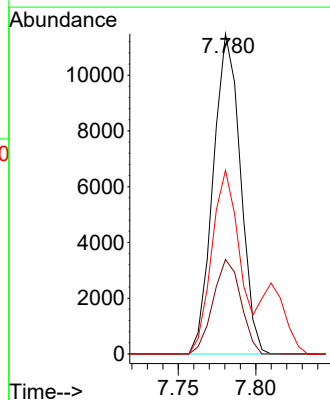
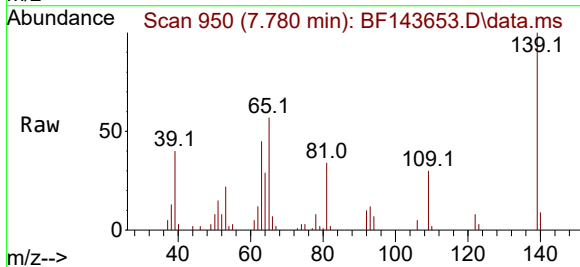
Manual Integrations
APPROVED

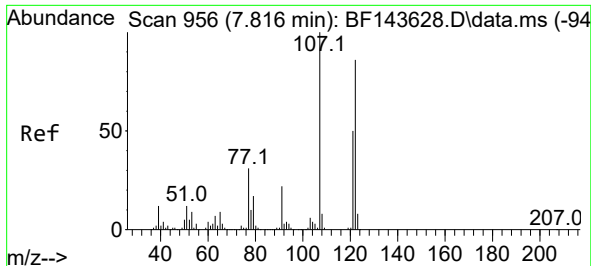
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#26
2-Nitrophenol
Concen: 12.100 ng
RT: 7.780 min Scan# 950
Delta R.T. -0.007 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

Tgt Ion:139 Resp: 14028
Ion Ratio Lower Upper
139 100
109 29.5 23.5 35.3
65 57.4 44.1 66.1





#27

2,4-Dimethylphenol

Concen: 8.685 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF143653.D

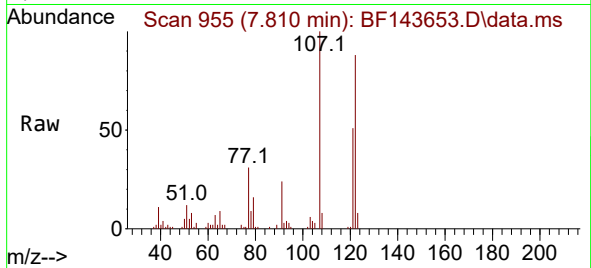
Acq: 05 Sep 2025 11:22

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2025



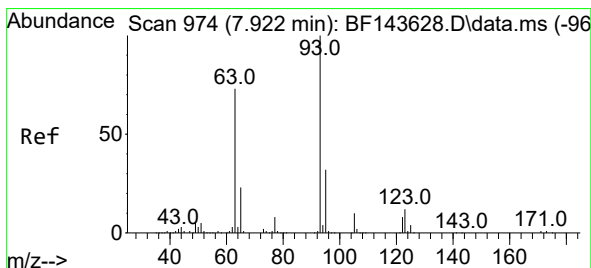
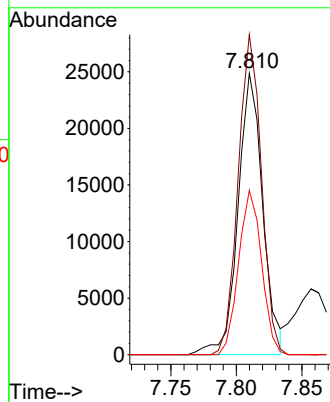
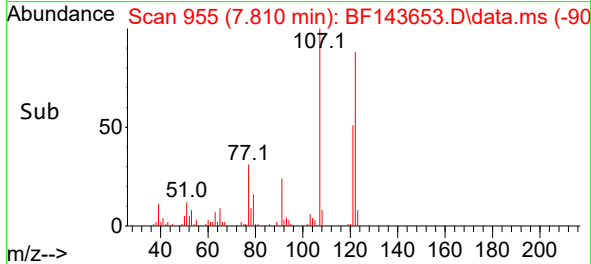
Tgt Ion:	122	Resp:	32649
Ion	Ratio	Lower	Upper
122	100		
107	113.7	93.4	140.0
121	58.4	46.9	70.3

Manual Integrations

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Reviewed By :Rahul Chavli 09/05/2025

Supervised By :Jagrut Upadhyay 09/05/2025



#28

bis(2-Chloroethoxy)methane

Concen: 7.624 ng

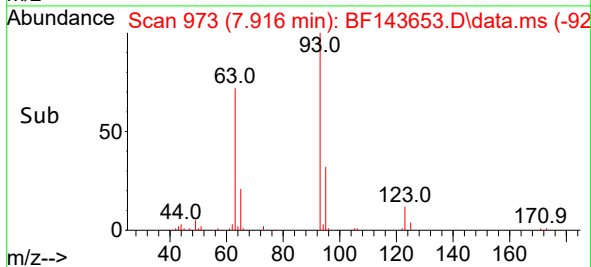
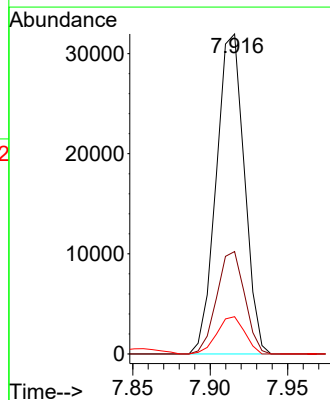
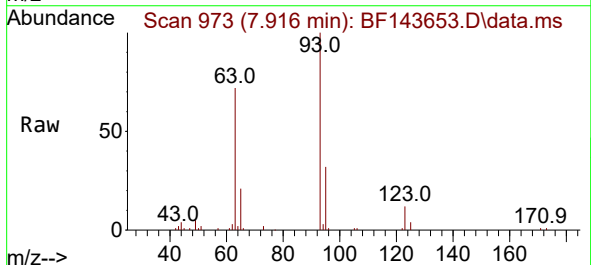
RT: 7.916 min Scan# 973

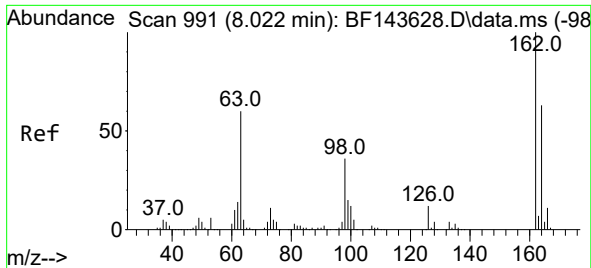
Delta R.T. -0.006 min

Lab File: BF143653.D

Acq: 05 Sep 2025 11:22

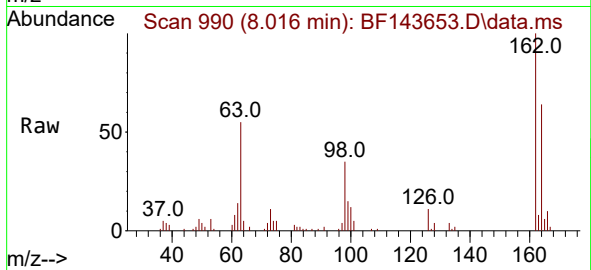
Tgt Ion:	93	Resp:	40244
Ion	Ratio	Lower	Upper
93	100		
95	32.0	25.8	38.8
123	11.7	9.6	14.4





#29
2,4-Dichlorophenol
Concen: 8.181 ng
RT: 8.016 min Scan# 991
Delta R.T. -0.006 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

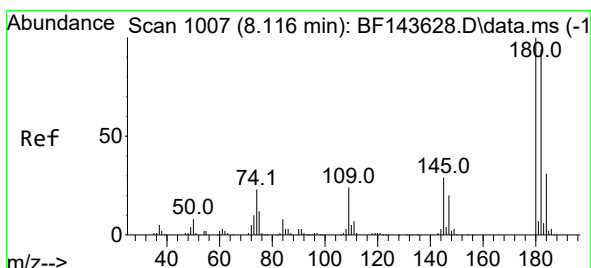
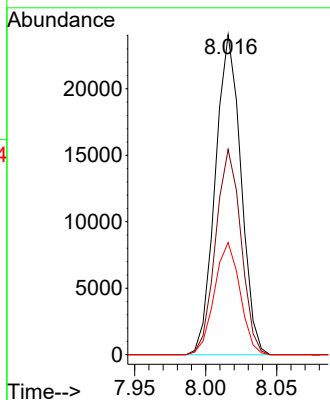
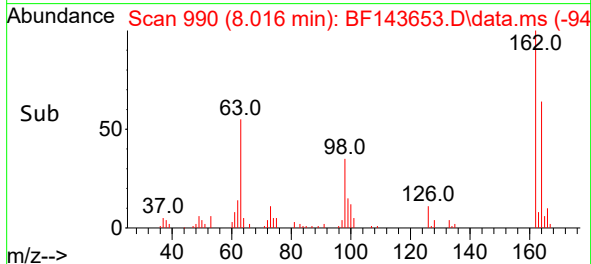
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:162 Resp: 30180
Ion Ratio Lower Upper
162 100
164 64.2 42.9 82.9
98 35.1 15.9 55.9

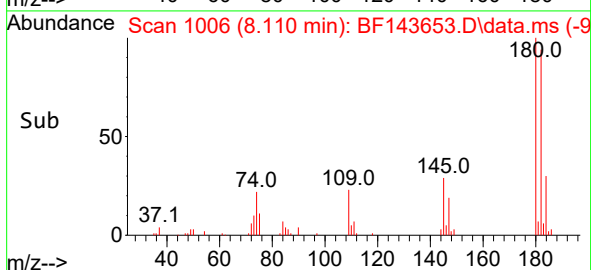
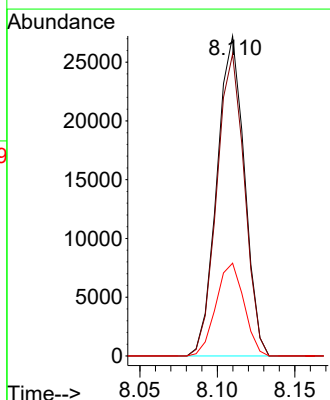
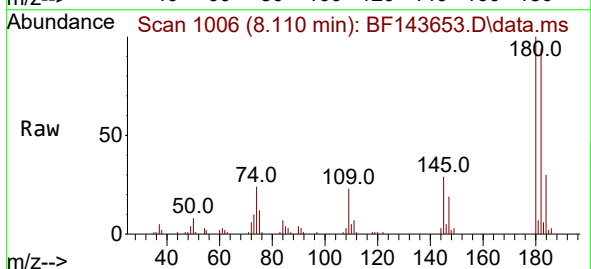
Manual Integrations
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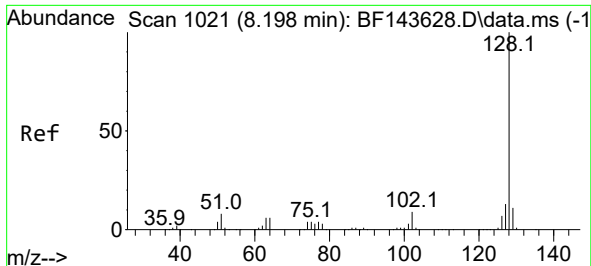
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#30
1,2,4-Trichlorobenzene
Concen: 8.362 ng
RT: 8.110 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

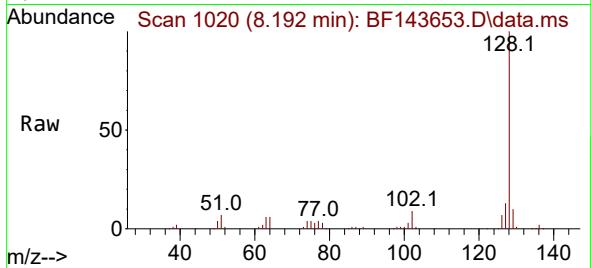
Tgt Ion:180 Resp: 33617
Ion Ratio Lower Upper
180 100
182 94.3 75.2 112.8
145 29.0 23.6 35.4





#31
Naphthalene
Concen: 8.130 ng
RT: 8.192 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

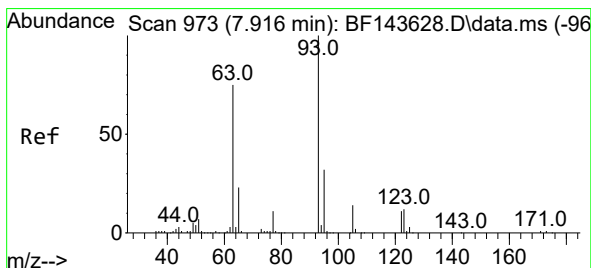
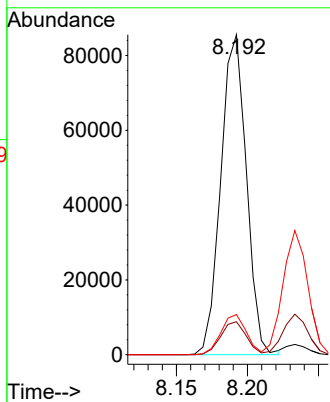
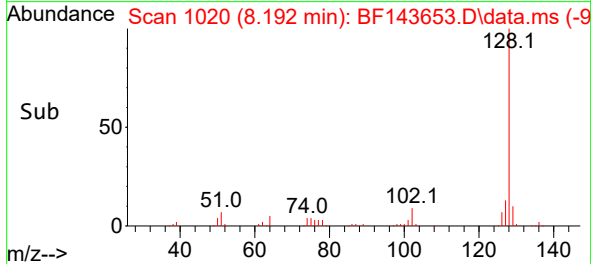
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:128 Resp: 107094
Ion Ratio Lower Upper
128 100
129 10.3 9.0 13.6
127 12.6 10.6 16.0

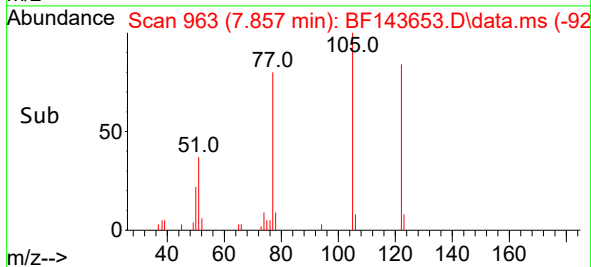
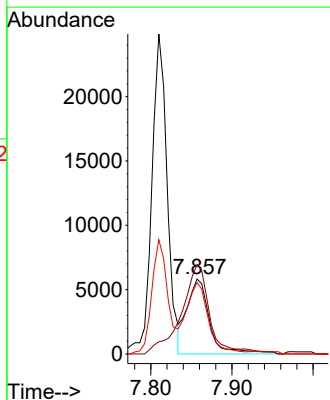
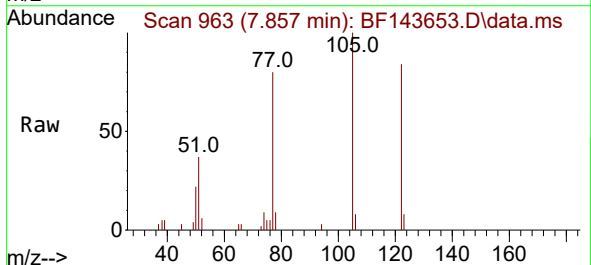
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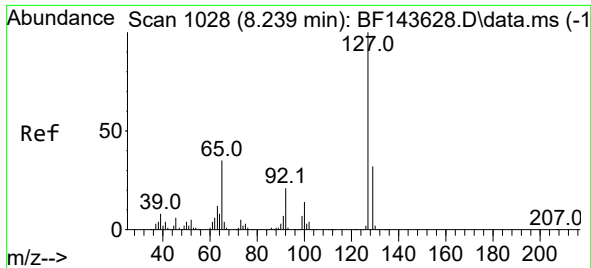
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#32
Benzoic acid
Concen: 11.740 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.059 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

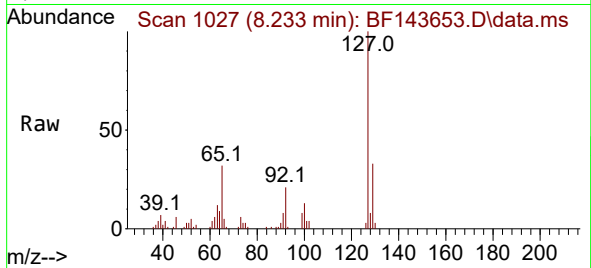
Tgt Ion:122 Resp: 11429
Ion Ratio Lower Upper
122 100
105 119.4 105.9 145.9
77 95.2 78.6 118.6





#33
4-Chloroaniline
Concen: 8.875 ng
RT: 8.233 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

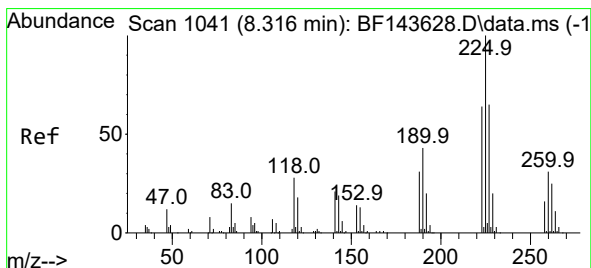
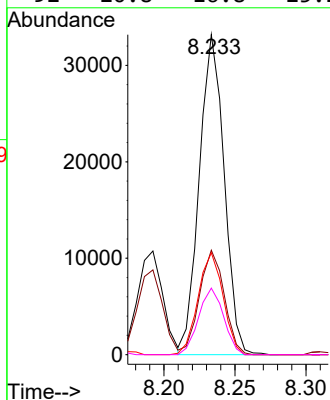
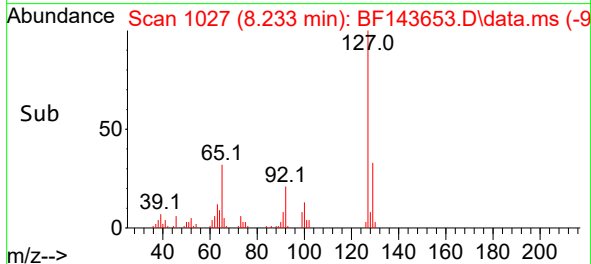
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT3-2025



Tgt Ion:127 Resp: 40478
Ion Ratio Lower Upper
127 100
129 32.6 26.2 39.2
65 31.9 27.6 41.4
92 20.8 16.8 25.2

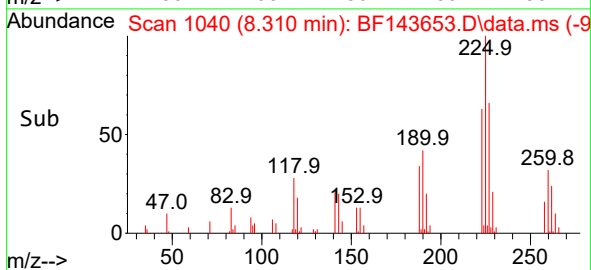
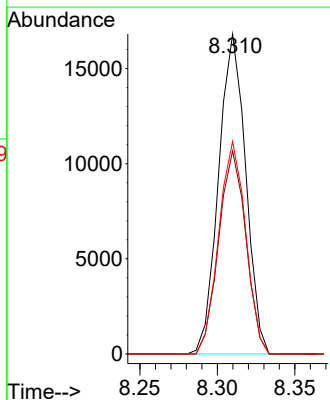
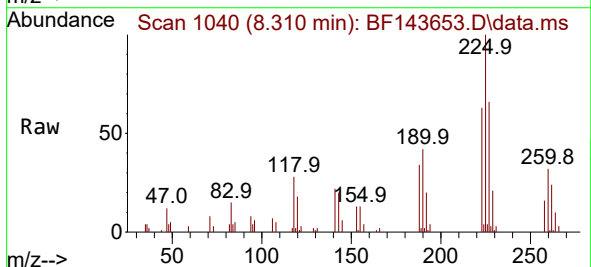
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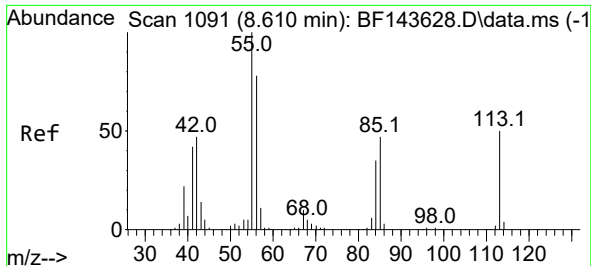
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#34
Hexachlorobutadiene
Concen: 7.813 ng
RT: 8.310 min Scan# 1040
Delta R.T. -0.006 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

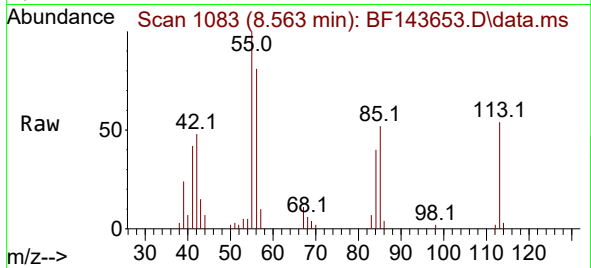
Tgt Ion:225 Resp: 20430
Ion Ratio Lower Upper
225 100
223 63.4 51.3 76.9
227 66.4 51.7 77.5





#35
 Caprolactam
 Concen: 7.917 ng
 RT: 8.563 min Scan# 1107
 Delta R.T. -0.047 min
 Lab File: BF143653.D
 Acq: 05 Sep 2025 11:22

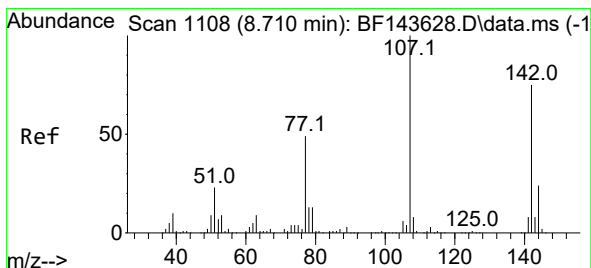
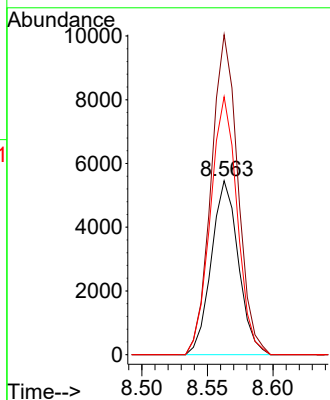
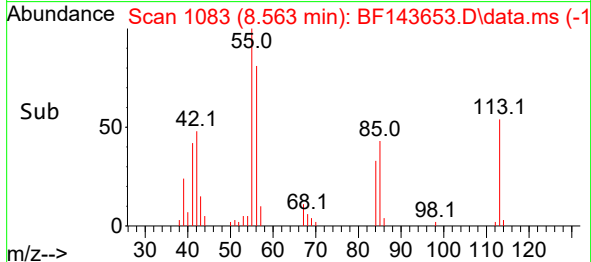
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2025



Tgt Ion:113 Resp: 782
 Ion Ratio Lower Upper
 113 100
 55 184.0 180.5 220.5
 56 148.3 134.8 174.8

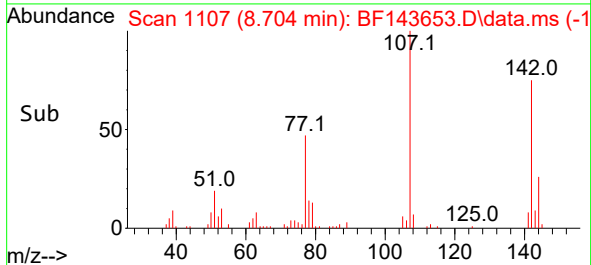
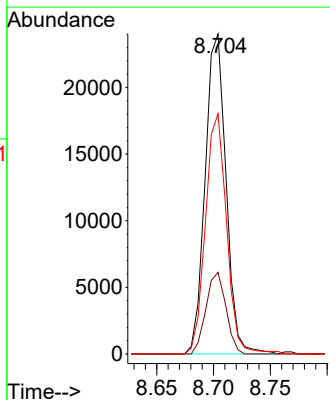
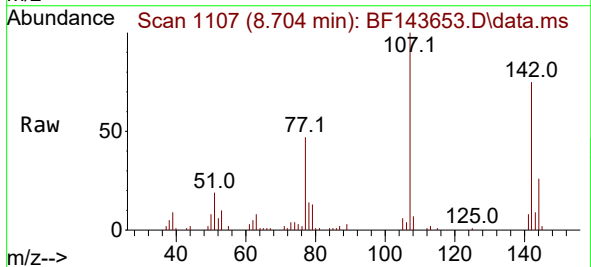
Manual Integrations
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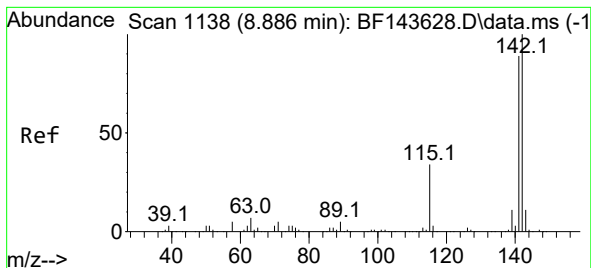
Reviewed By :Rahul Chavli 09/05/2025
 Supervised By :Jagrut Upadhyay 09/05/2025



#36
 4-Chloro-3-methylphenol
 Concen: 7.947 ng
 RT: 8.704 min Scan# 1107
 Delta R.T. -0.006 min
 Lab File: BF143653.D
 Acq: 05 Sep 2025 11:22

Tgt Ion:107 Resp: 30700
 Ion Ratio Lower Upper
 107 100
 144 25.5 19.0 28.6
 142 75.1 60.3 90.5





#37

2-Methylnaphthalene

Concen: 7.226 ng

RT: 8.880 min Scan# 1138

Delta R.T. -0.006 min

Lab File: BF143653.D

Acq: 05 Sep 2025 11:22

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2025

Tgt Ion:142 Resp: 6438

Ion Ratio Lower Upper

142 100

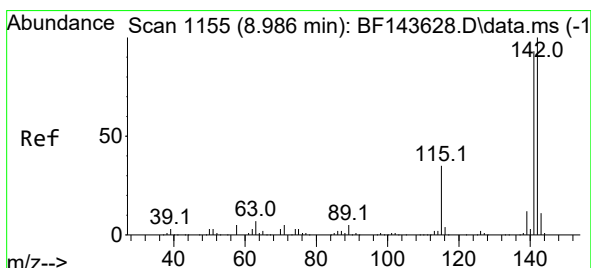
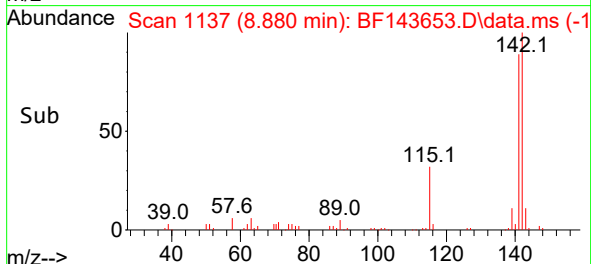
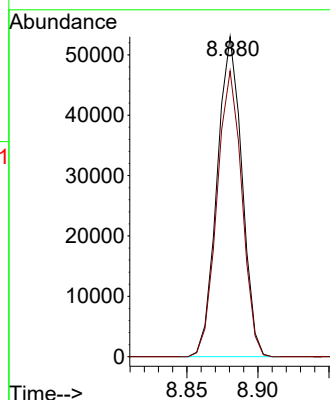
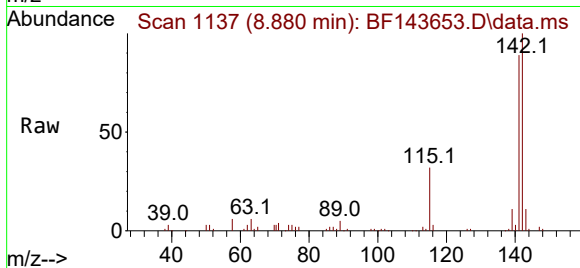
141 89.3 70.8 106.2

Manual Integrations

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Reviewed By :Rahul Chavli 09/05/2025

Supervised By :Jagrut Upadhyay 09/05/2025



#38

1-Methylnaphthalene

Concen: 7.913 ng

RT: 8.980 min Scan# 1154

Delta R.T. -0.006 min

Lab File: BF143653.D

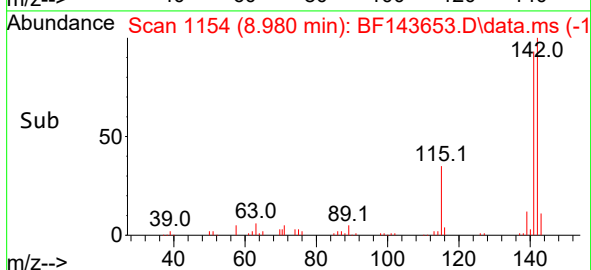
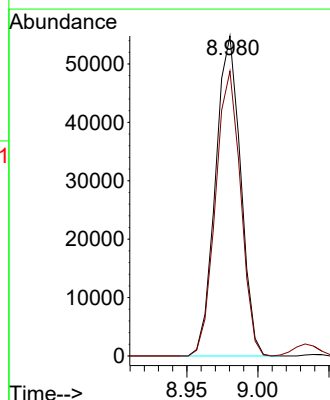
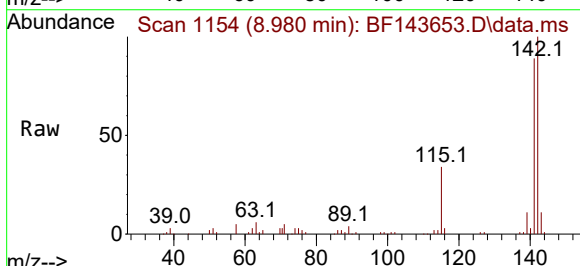
Acq: 05 Sep 2025 11:22

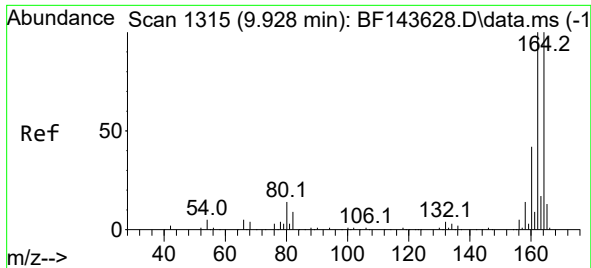
Tgt Ion:142 Resp: 67413

Ion Ratio Lower Upper

142 100

141 89.0 74.5 111.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.921 min Scan# 1165

Delta R.T. -0.007 min

Lab File: BF143653.D

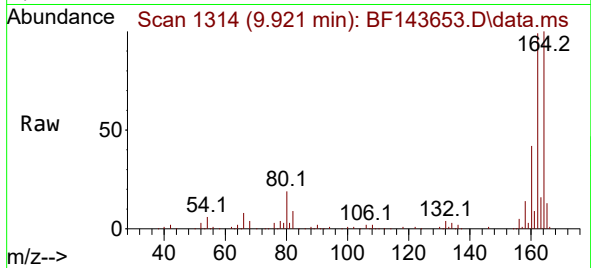
Acq: 05 Sep 2025 11:22

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2025



Tgt Ion:164 Resp: 15760

Ion Ratio Lower Upper

164 100

162 99.0 80.3 120.5

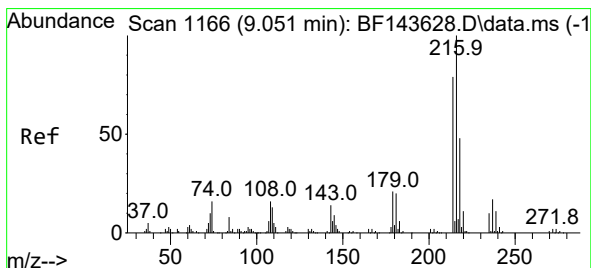
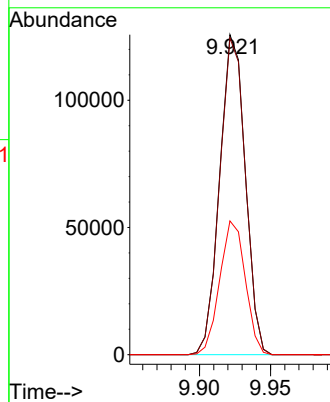
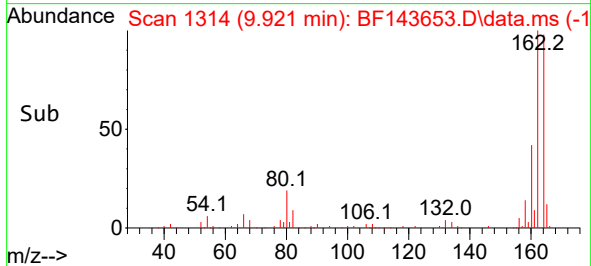
160 41.8 34.0 51.0

Manual Integrations

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Reviewed By :Rahul Chavli 09/05/2025

Supervised By :Jagrut Upadhyay 09/05/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 7.943 ng

RT: 9.045 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF143653.D

Acq: 05 Sep 2025 11:22

Tgt Ion:216 Resp: 34595

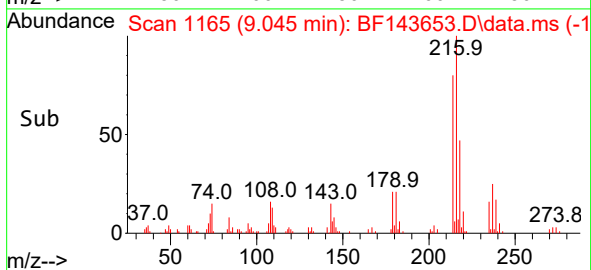
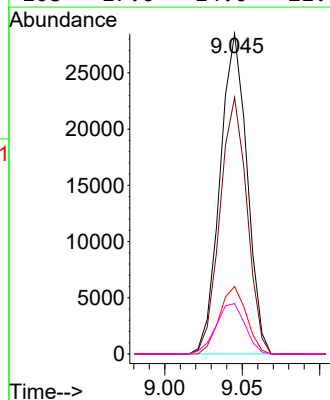
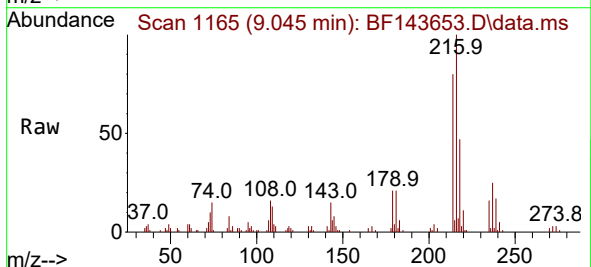
Ion Ratio Lower Upper

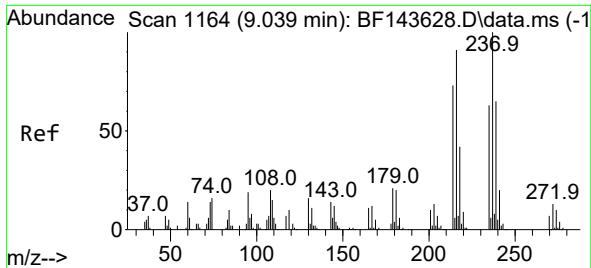
216 100

214 79.6 63.3 94.9

179 21.0 17.2 25.8

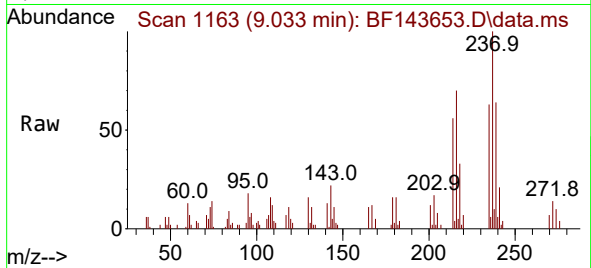
108 17.0 14.0 21.0





#41
Hexachlorocyclopentadiene
Concen: 9.150 ng
RT: 9.033 min Scan# 1164
Delta R.T. -0.006 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

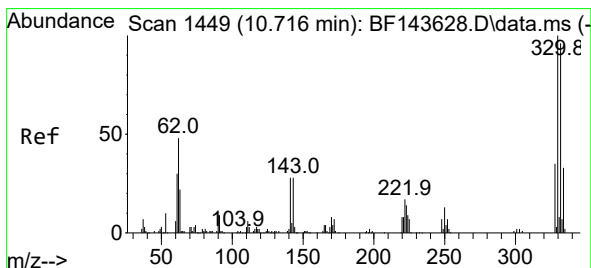
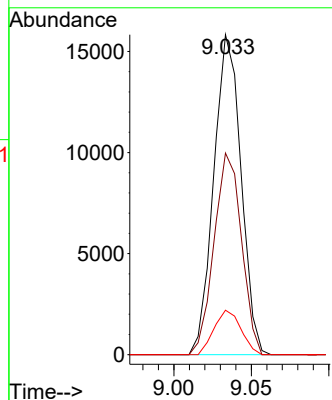
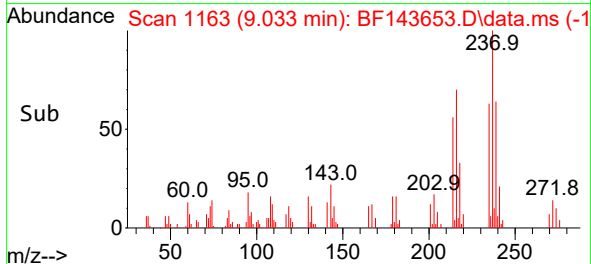
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025



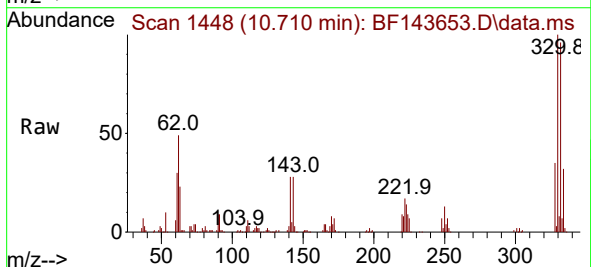
Tgt Ion:237 Resp: 1935
Ion Ratio Lower Upper
237 100
235 63.0 43.0 83.0
272 13.9 0.0 32.9

Manual Integrations
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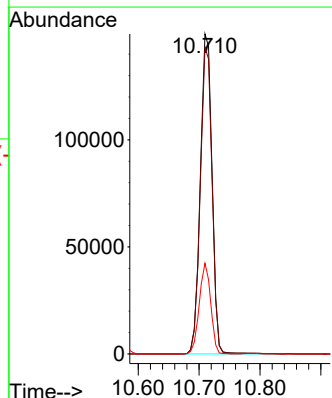
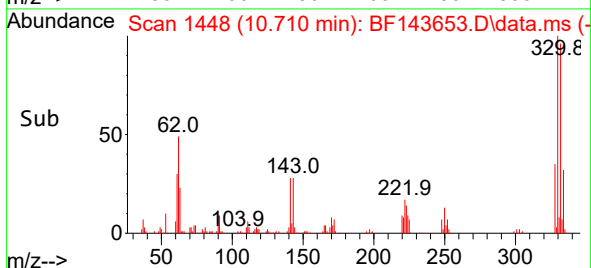
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025

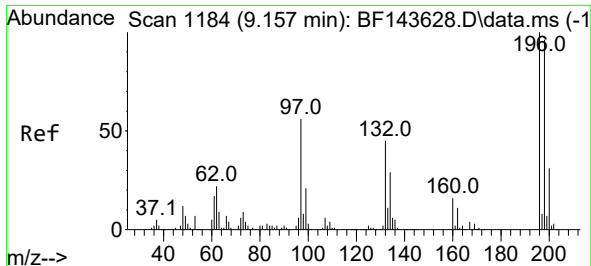


#42
2,4,6-Tribromophenol
Concen: 151.465 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22



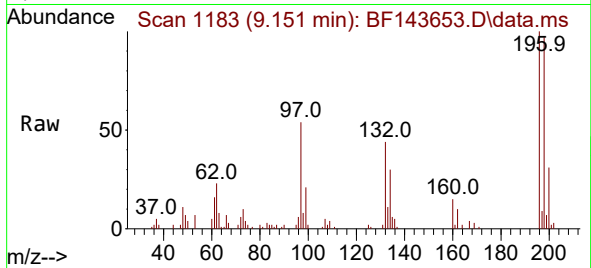
Tgt Ion:330 Resp: 199618
Ion Ratio Lower Upper
330 100
332 95.6 77.0 115.6
141 27.5 23.5 35.3





#43
2,4,6-Trichlorophenol
Concen: 7.986 ng
RT: 9.151 min Scan# 1184
Delta R.T. -0.006 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

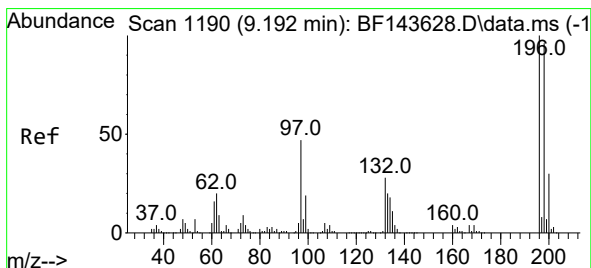
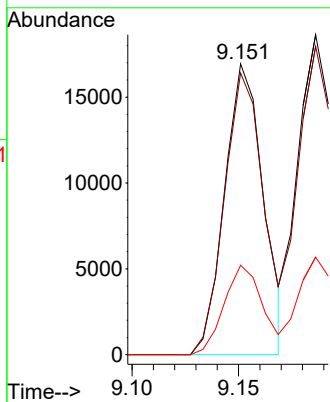
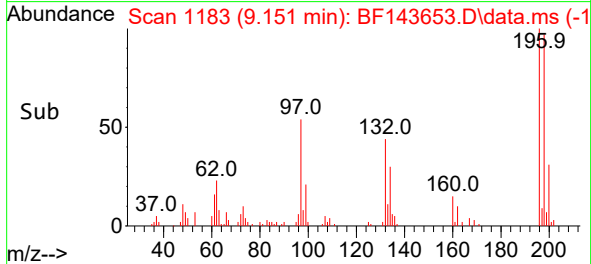
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025



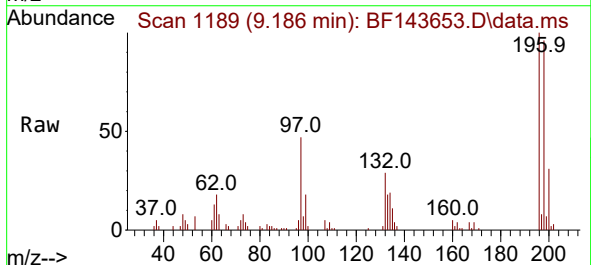
Tgt Ion:196 Resp: 21430
Ion Ratio Lower Upper
196 100
198 96.9 77.1 115.7
200 30.7 24.7 37.1

Manual Integrations
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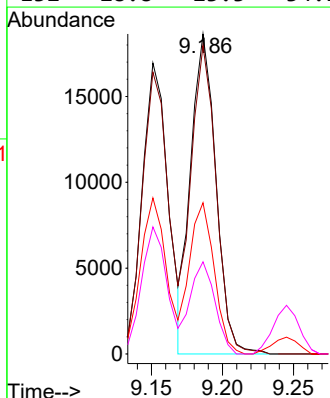
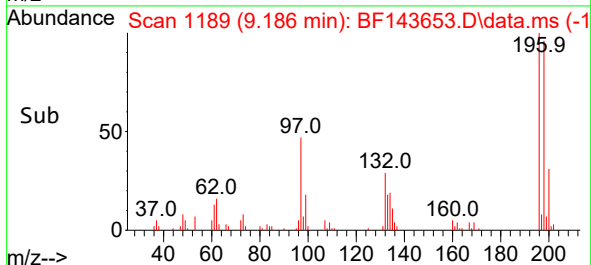
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025

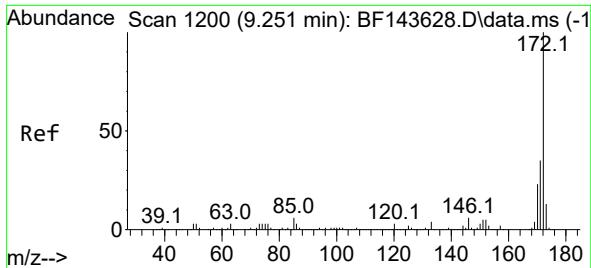


#44
2,4,5-Trichlorophenol
Concen: 8.284 ng
RT: 9.186 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22



Tgt Ion:196 Resp: 22951
Ion Ratio Lower Upper
196 100
198 96.4 76.6 115.0
97 47.3 38.2 57.2
132 28.8 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 85.674 ng

RT: 9.245 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF143653.D

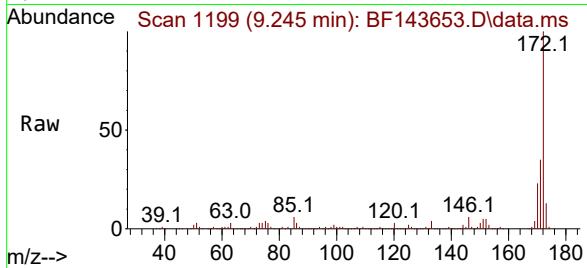
Acq: 05 Sep 2025 11:22

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2025



Tgt Ion:172 Resp: 845139

Ion Ratio Lower Upper

172 100

171 34.8 28.1 42.1

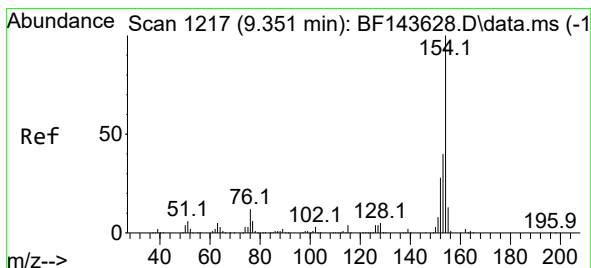
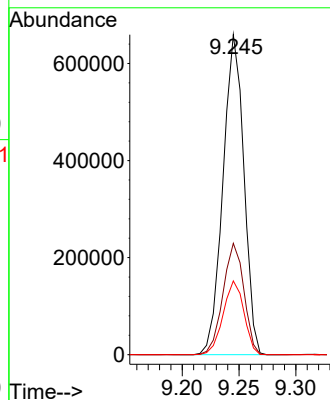
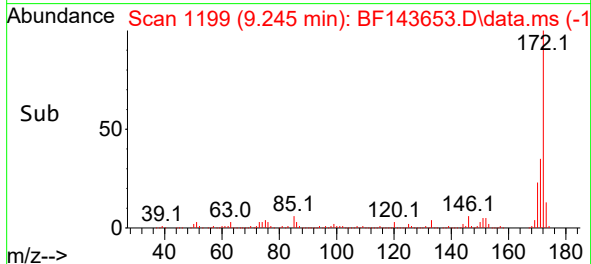
170 23.1 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/05/2025

Supervised By :Jagrut Upadhyay 09/05/2025



#46

1,1'-Biphenyl

Concen: 7.983 ng

RT: 9.345 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF143653.D

Acq: 05 Sep 2025 11:22

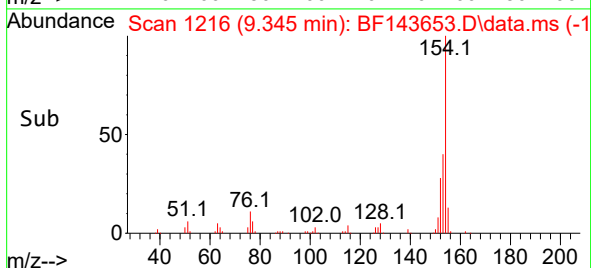
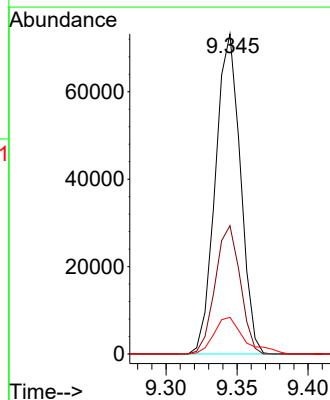
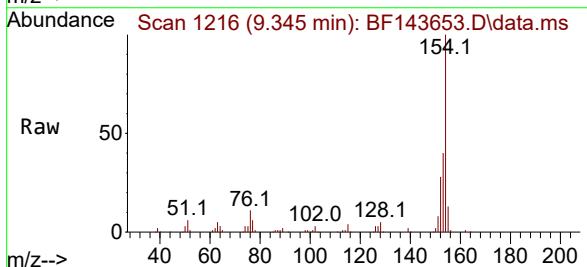
Tgt Ion:154 Resp: 89481

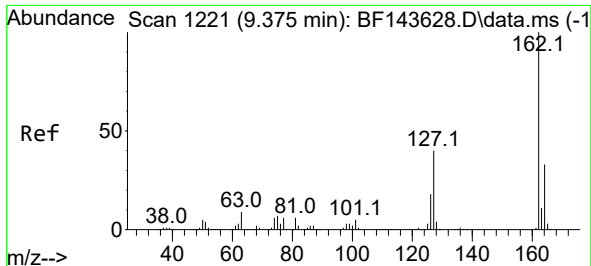
Ion Ratio Lower Upper

154 100

153 40.1 20.1 60.1

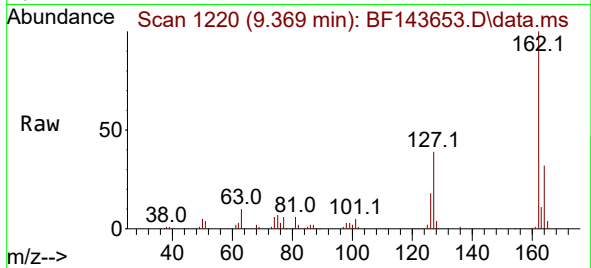
76 11.5 0.0 31.9





#47
2-Chloronaphthalene
Concen: 7.874 ng
RT: 9.369 min Scan# 1221
Delta R.T. -0.006 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

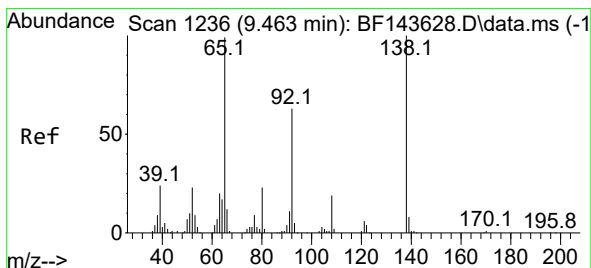
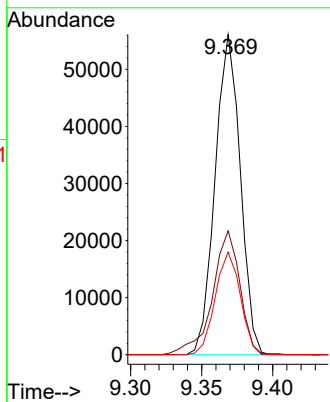
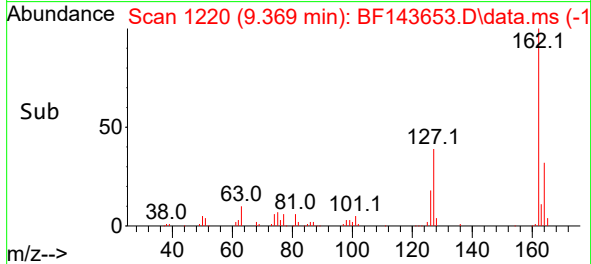
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT3-2025



Tgt Ion: 162 Resp: 6906
Ion Ratio Lower Upper
162 100
127 38.7 31.9 47.9
164 32.0 26.0 39.0

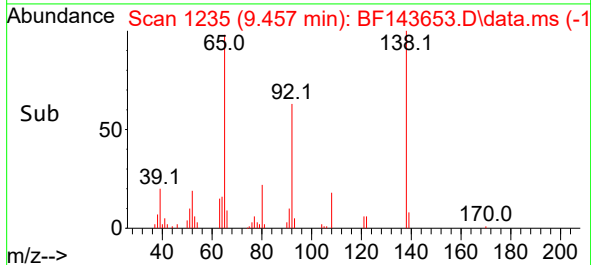
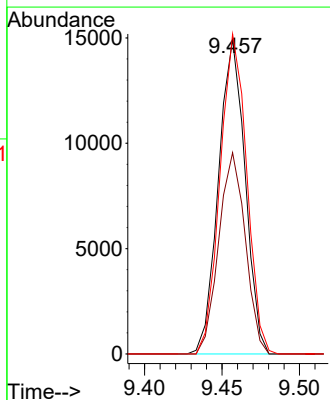
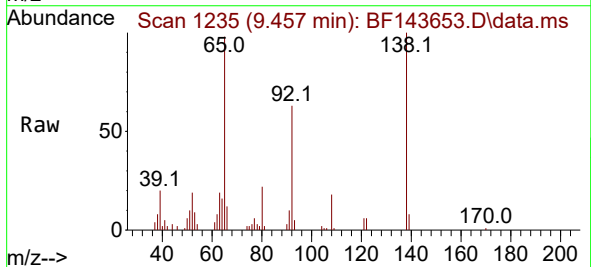
Manual Integrations
APPROVED

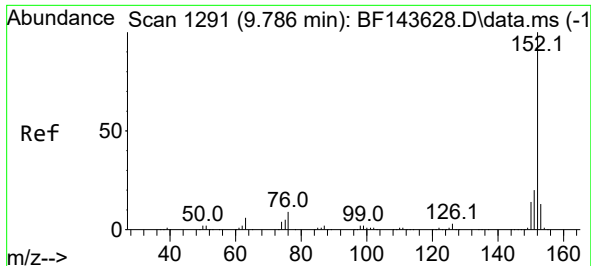
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#48
2-Nitroaniline
Concen: 10.161 ng
RT: 9.457 min Scan# 1235
Delta R.T. -0.006 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

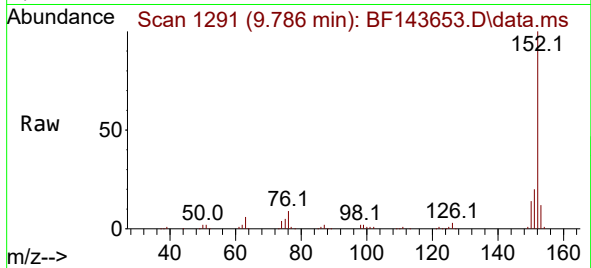
Tgt Ion: 65 Resp: 17800
Ion Ratio Lower Upper
65 100
92 64.0 50.9 76.3
138 101.7 80.6 120.8





#49
Acenaphthylene
Concen: 8.703 ng
RT: 9.786 min Scan# 1291
Delta R.T. -0.000 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

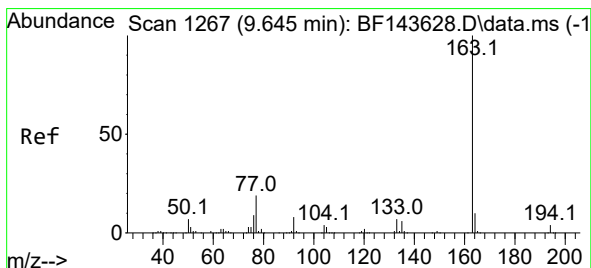
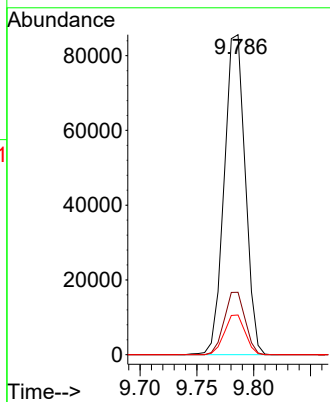
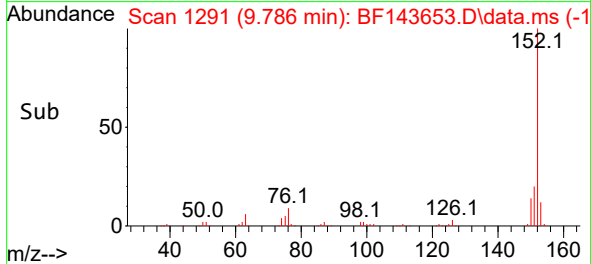
Instrument : BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025



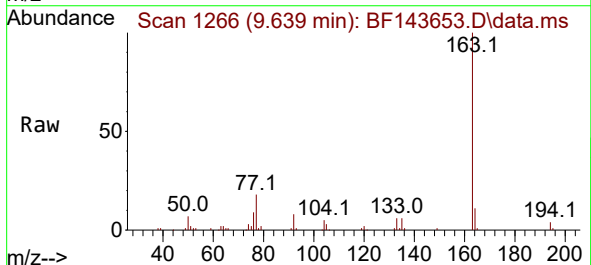
Tgt Ion:152 Resp: 110025
Ion Ratio Lower Upper
152 100
151 19.5 16.1 24.1
153 12.4 10.6 15.8

Manual Integrations
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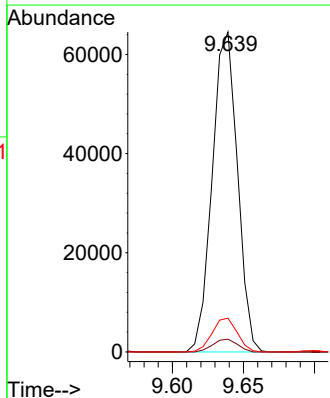
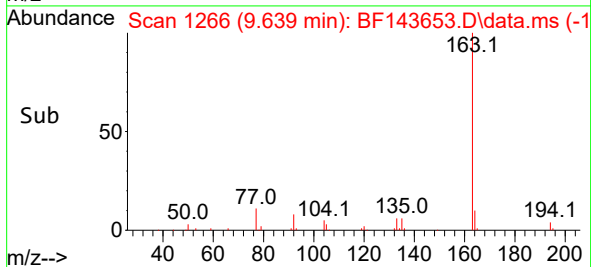
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025

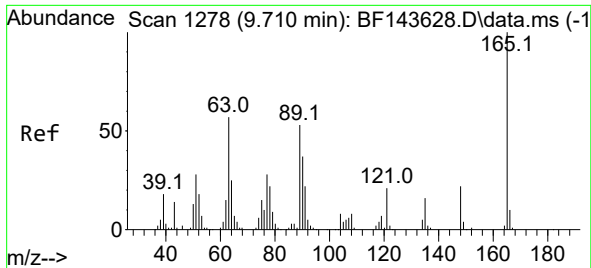


#50
Dimethylphthalate
Concen: 7.991 ng
RT: 9.639 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22



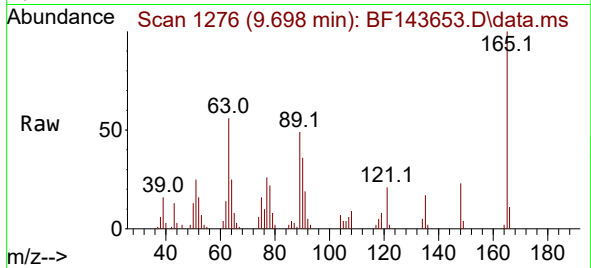
Tgt Ion:163 Resp: 79746
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 10.6 8.1 12.1





#51
2,6-Dinitrotoluene
Concen: 11.599 ng
RT: 9.698 min Scan# 1276
Delta R.T. -0.012 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

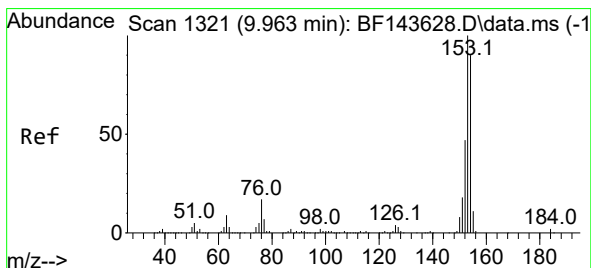
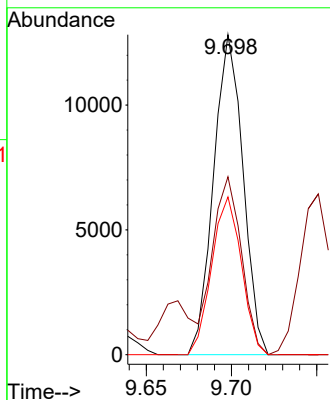
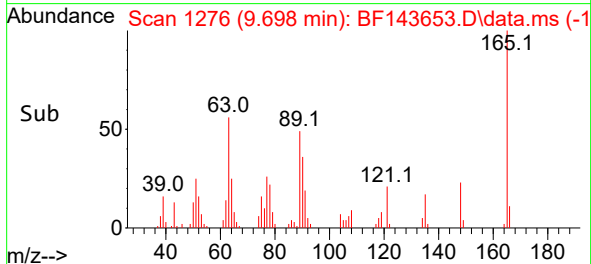
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:165 Resp: 1538
Ion Ratio Lower Upper
165 100
63 55.6 45.4 68.0
89 49.3 42.1 63.1

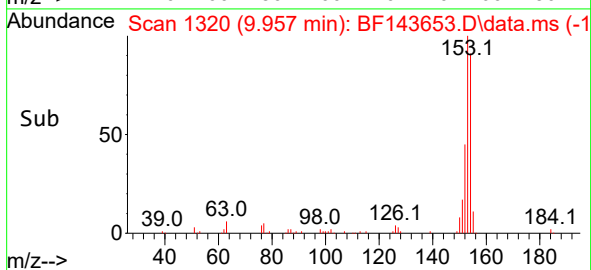
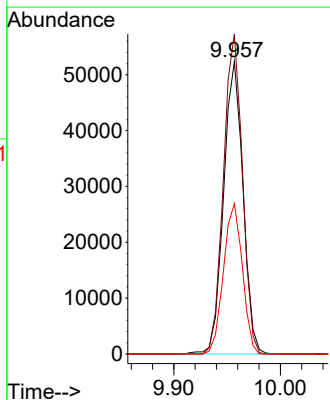
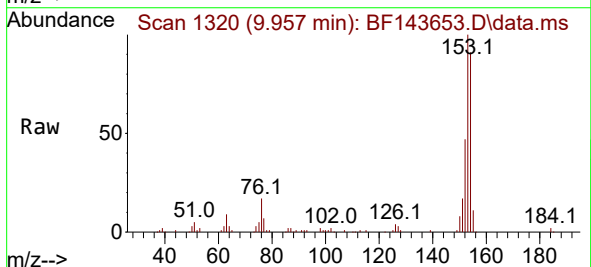
Manual Integrations
APPROVED

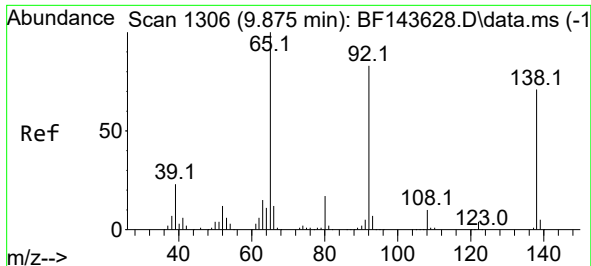
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#52
Acenaphthene
Concen: 7.829 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

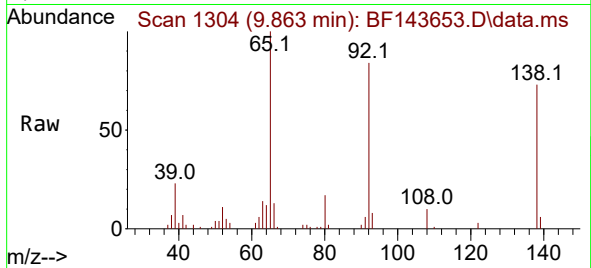
Tgt Ion:154 Resp: 66204
Ion Ratio Lower Upper
154 100
153 109.4 88.6 132.8
152 51.4 41.8 62.8





#53
3-Nitroaniline
Concen: 10.722 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

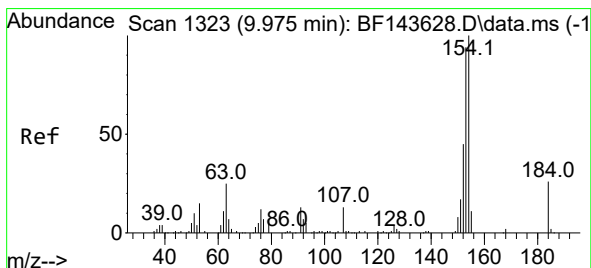
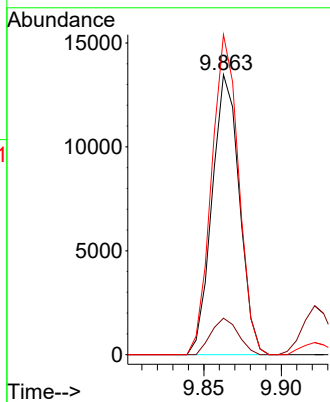
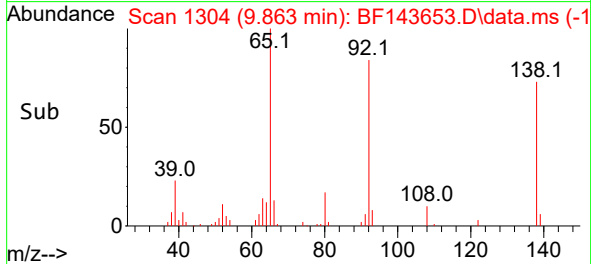
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:138 Resp: 1653
Ion Ratio Lower Upper
138 100
108 13.1 10.7 16.1
92 114.3 93.4 140.2

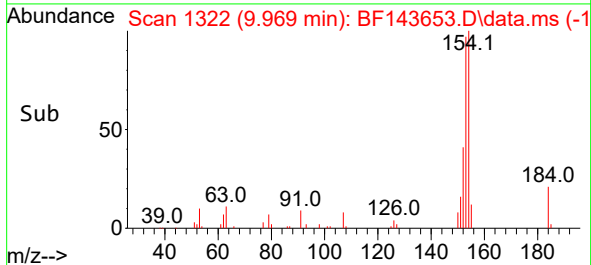
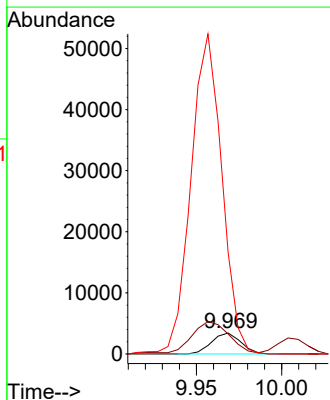
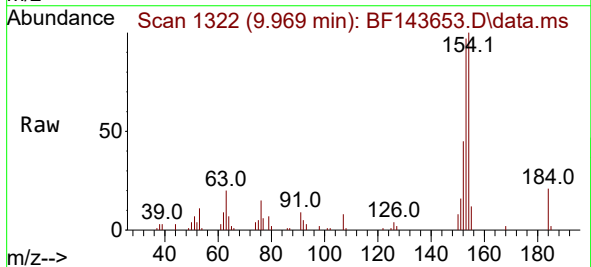
Manual Integrations
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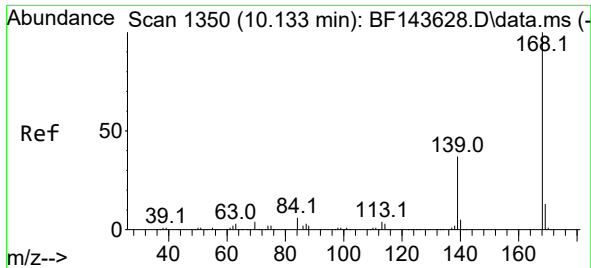
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#54
2,4-Dinitrophenol
Concen: 13.231 ng
RT: 9.969 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

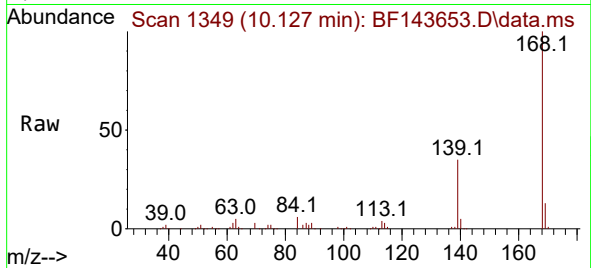
Tgt Ion:184 Resp: 4086
Ion Ratio Lower Upper
184 100
63 95.4 81.8 122.8
154 482.2 348.3 522.5





#55
Dibenzenofuran
Concen: 8.014 ng
RT: 10.127 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

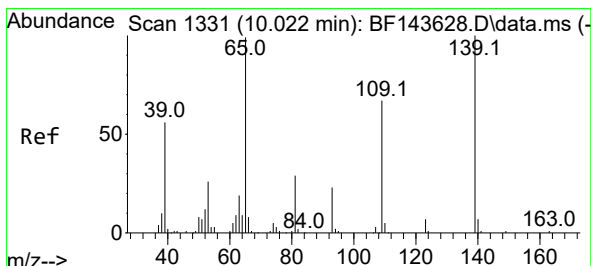
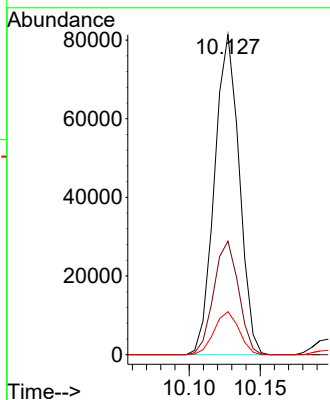
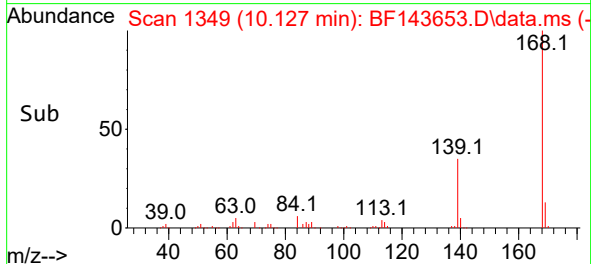
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025



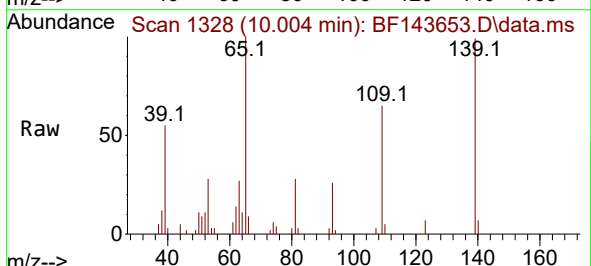
Tgt Ion:168 Resp: 98462
Ion Ratio Lower Upper
168 100
139 35.4 29.8 44.8
169 13.5 10.6 16.0

Manual Integrations
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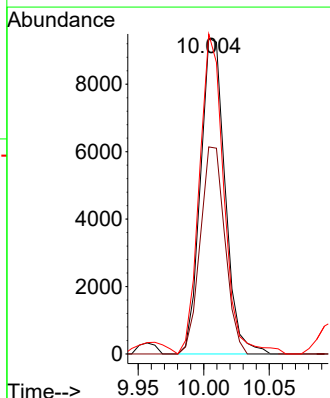
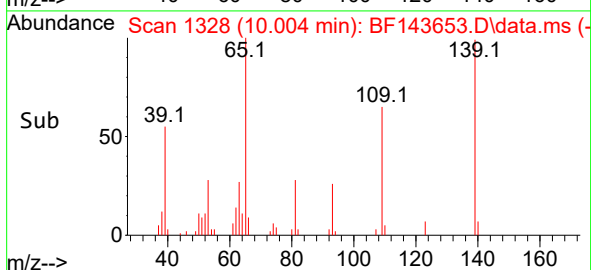
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025

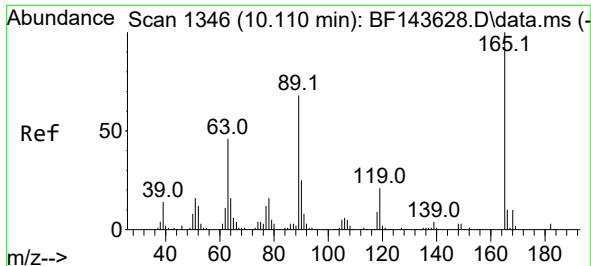


#56
4-Nitrophenol
Concen: 8.271 ng
RT: 10.004 min Scan# 1328
Delta R.T. -0.018 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22



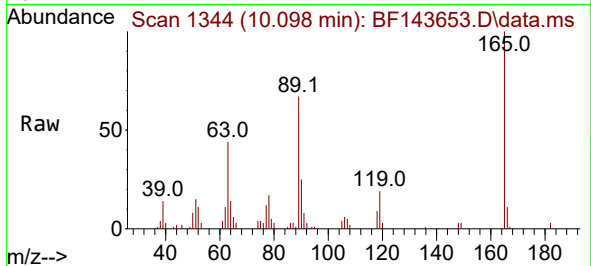
Tgt Ion:139 Resp: 12238
Ion Ratio Lower Upper
139 100
109 65.6 47.6 87.6
65 101.4 80.5 120.5





#57
2,4-Dinitrotoluene
Concen: 11.098 ng
RT: 10.098 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

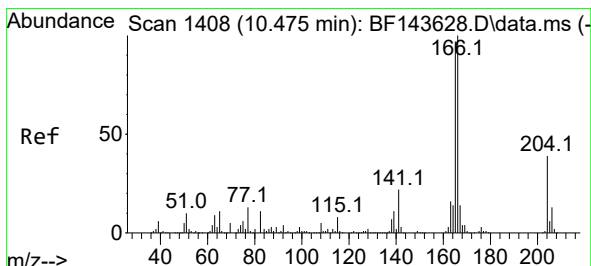
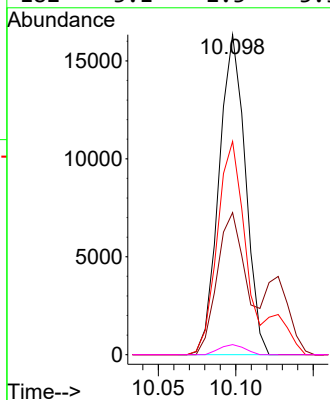
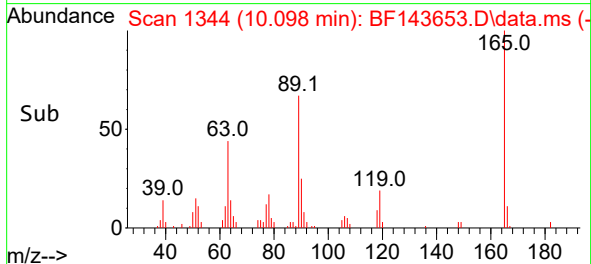
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:165 Resp: 19320
Ion Ratio Lower Upper
165 100
63 44.4 37.0 55.6
89 66.7 54.1 81.1
182 3.1 2.3 3.5

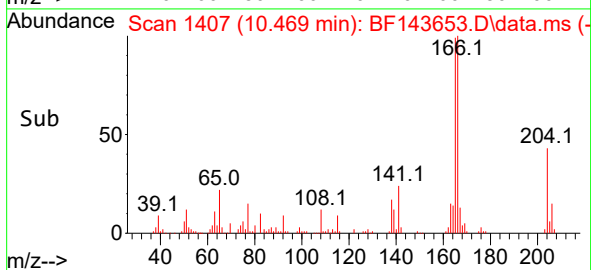
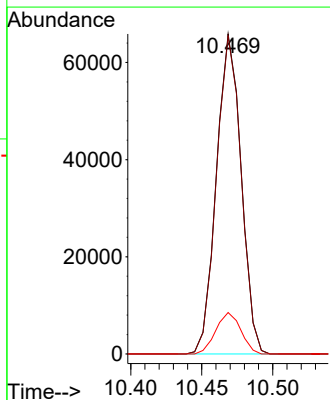
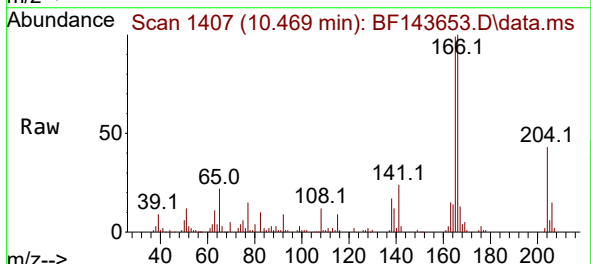
Manual Integrations
APPROVED

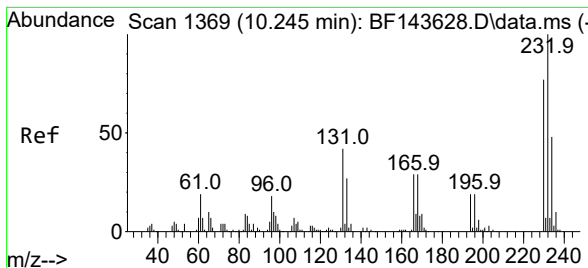
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#58
Fluorene
Concen: 8.398 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

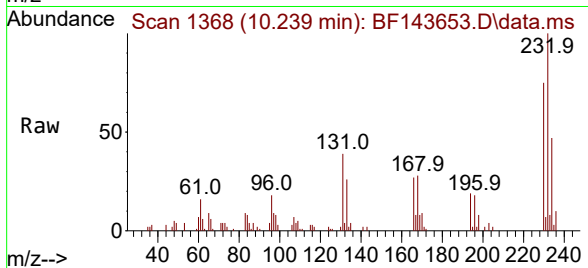
Tgt Ion:166 Resp: 79805
Ion Ratio Lower Upper
166 100
165 99.4 77.6 116.4
167 13.0 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 9.542 ng m
RT: 10.239 min Scan# 1368
Delta R.T. -0.006 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

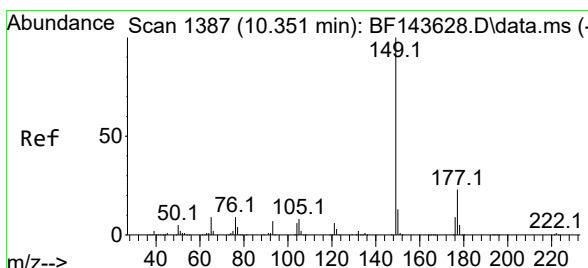
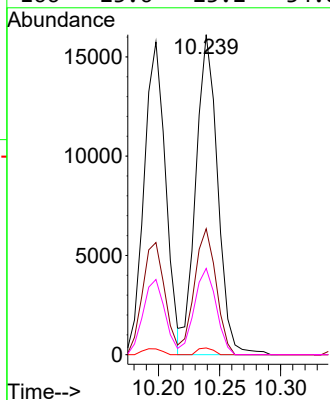
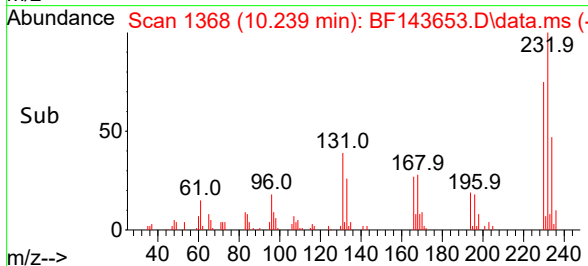
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025



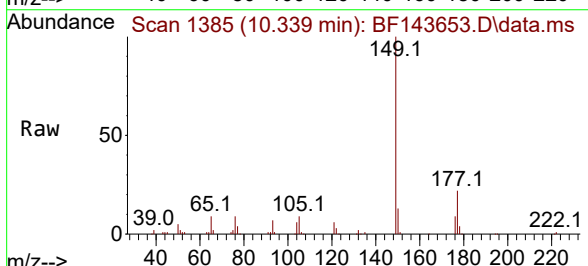
Tgt Ion:232 Resp: 2007
Ion Ratio Lower Upper
232 100
131 35.8 33.7 50.5
130 1.6 1.5 2.3
166 23.6 23.2 34.8

Manual Integrations
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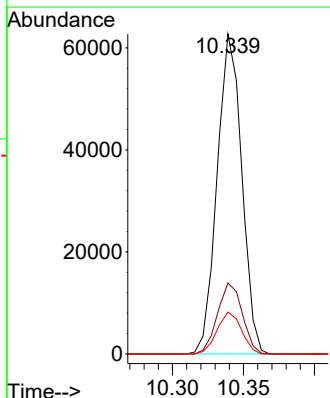
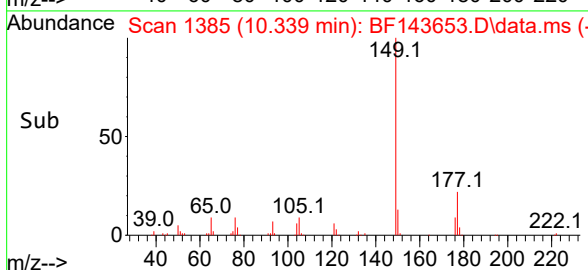
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025

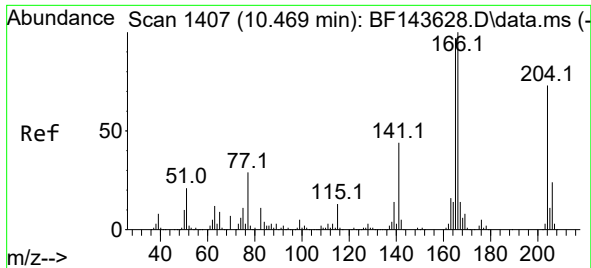


#60
Diethylphthalate
Concen: 7.977 ng
RT: 10.339 min Scan# 1385
Delta R.T. -0.012 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22



Tgt Ion:149 Resp: 75579
Ion Ratio Lower Upper
149 100
177 22.2 18.6 28.0
150 13.1 10.3 15.5





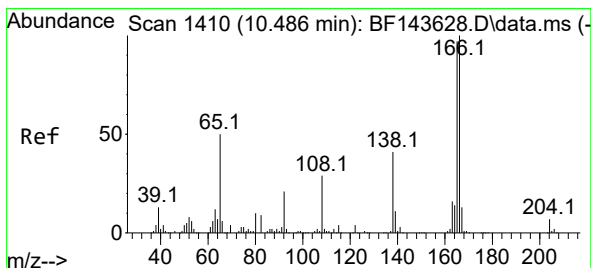
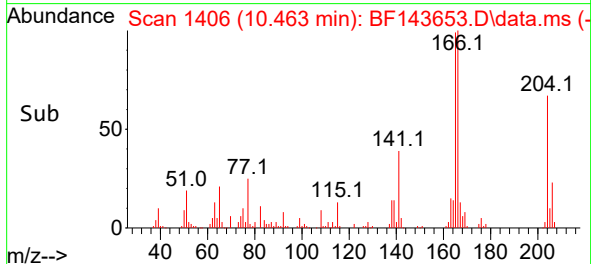
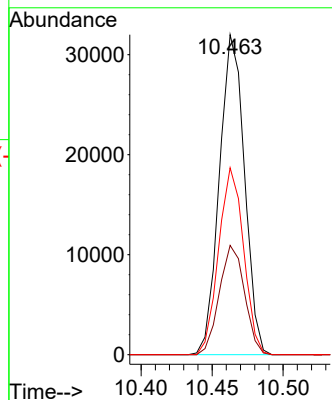
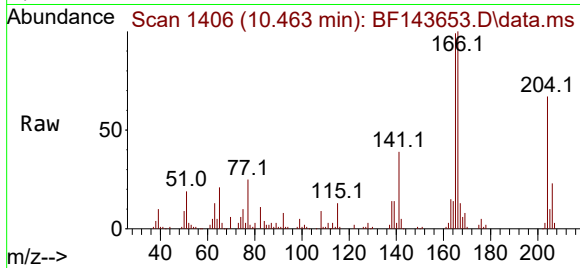
#61
4-Chlorophenyl-phenylether
Concen: 8.291 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.006 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT3-2025

Tgt Ion:204 Resp: 3931
Ion Ratio Lower Upper
204 100
206 34.2 26.6 40.0
141 58.4 47.8 71.6

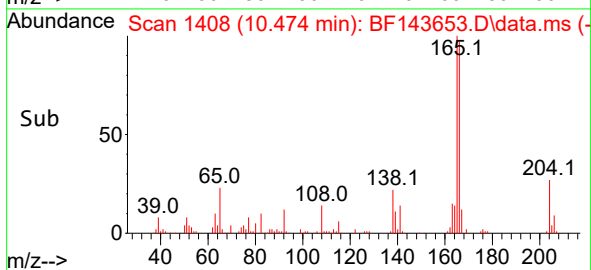
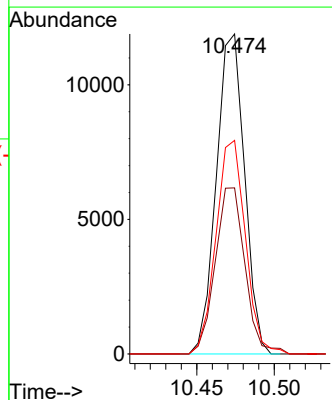
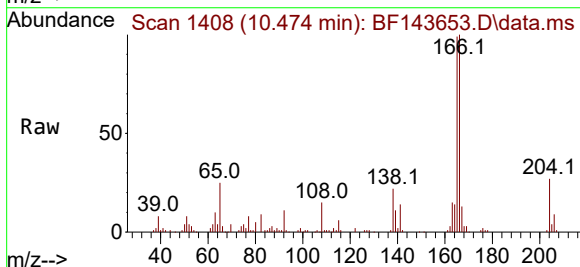
Manual Integrations
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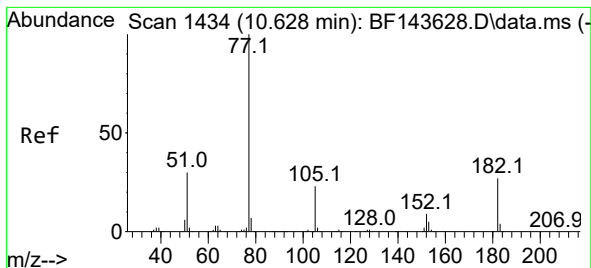
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#62
4-Nitroaniline
Concen: 10.045 ng
RT: 10.474 min Scan# 1408
Delta R.T. -0.012 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

Tgt Ion:138 Resp: 15063
Ion Ratio Lower Upper
138 100
92 51.9 30.5 70.5
108 66.8 49.1 89.1





#63

Azobenzene

Concen: 7.601 ng

RT: 10.621 min Scan# 1433

Delta R.T. -0.006 min

Lab File: BF143653.D

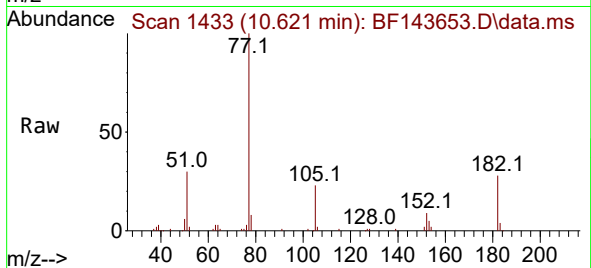
Acq: 05 Sep 2025 11:22

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2025



Tgt Ion: 77 Resp: 67879

Ion Ratio Lower Upper

77 100

182 28.0 6.8 46.8

105 23.3 2.8 42.8

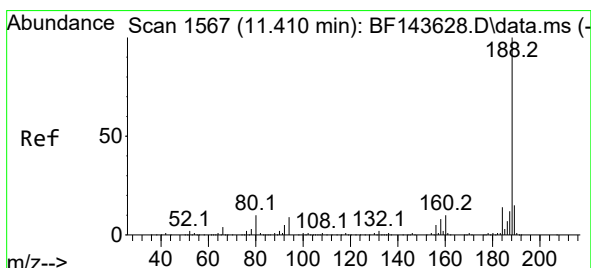
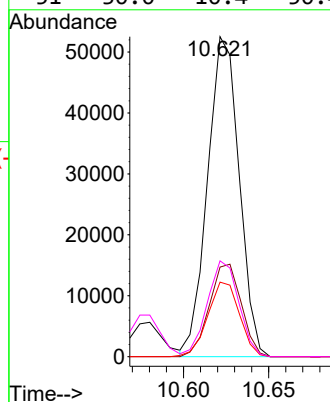
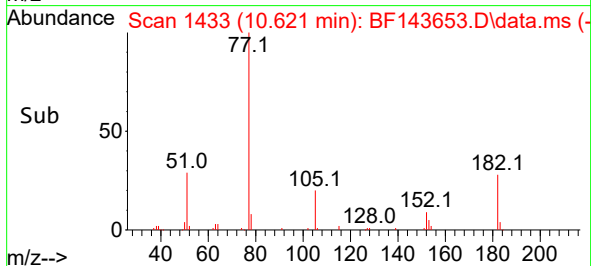
51 30.0 10.4 50.4

Manual Integrations

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Reviewed By :Rahul Chavli 09/05/2025

Supervised By :Jagrut Upadhyay 09/05/2025



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1567

Delta R.T. -0.000 min

Lab File: BF143653.D

Acq: 05 Sep 2025 11:22

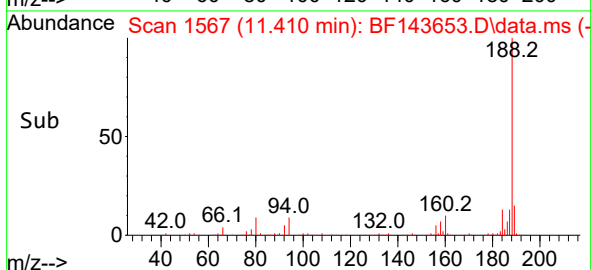
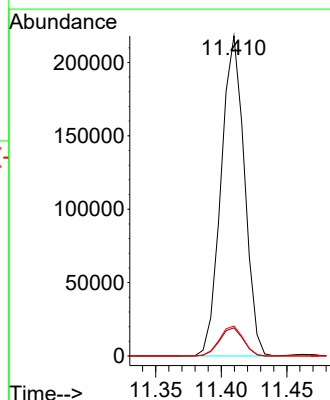
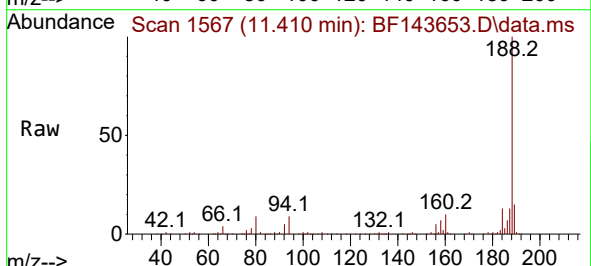
Tgt Ion:188 Resp: 269385

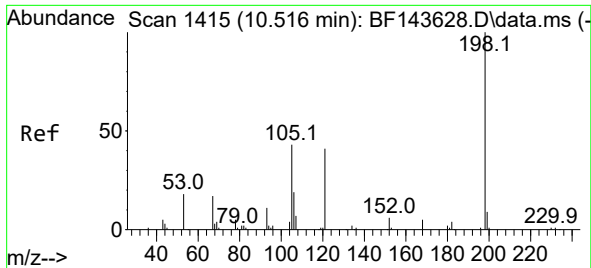
Ion Ratio Lower Upper

188 100

94 8.8 7.5 11.3

80 9.3 8.4 12.6





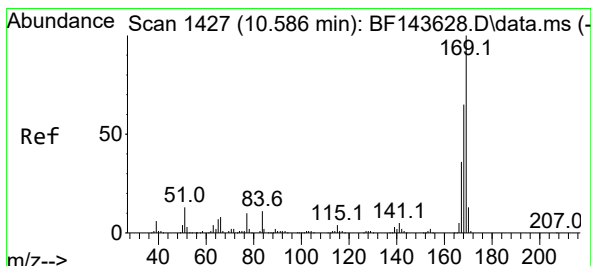
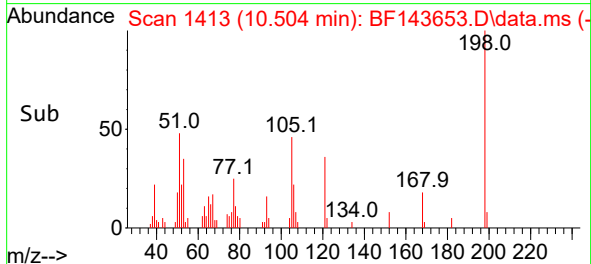
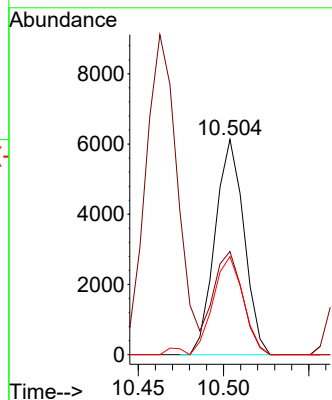
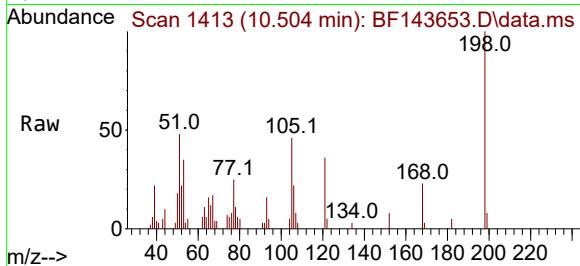
#65
4,6-Dinitro-2-methylphenol
Concen: 13.750 ng
RT: 10.504 min Scan# 1415
Delta R.T. -0.012 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025

Tgt Ion:198 Resp: 724
Ion Ratio Lower Upper
198 100
51 48.0 30.7 70.7
105 45.5 26.0 66.0

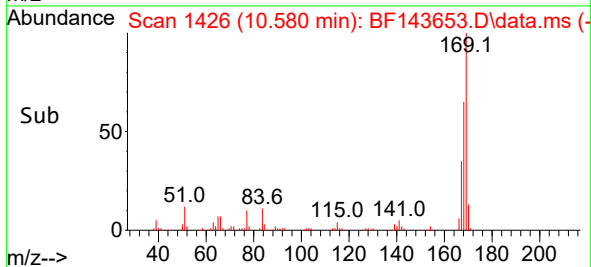
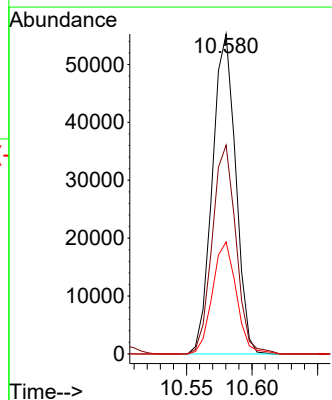
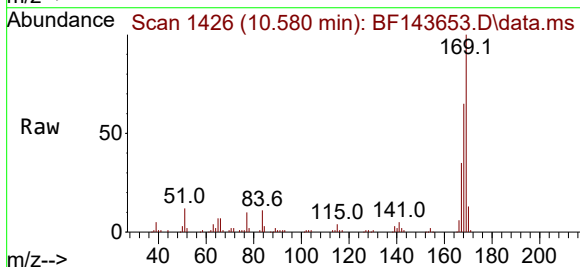
Manual Integrations
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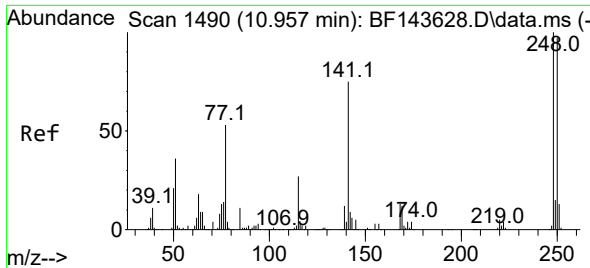
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#66
n-Nitrosodiphenylamine
Concen: 7.853 ng
RT: 10.580 min Scan# 1426
Delta R.T. -0.006 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

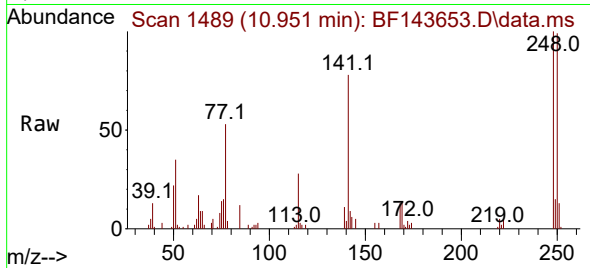
Tgt Ion:169 Resp: 68281
Ion Ratio Lower Upper
169 100
168 65.2 52.2 78.4
167 35.0 28.5 42.7





#67
4-Bromophenyl-phenylether
Concen: 7.513 ng
RT: 10.951 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

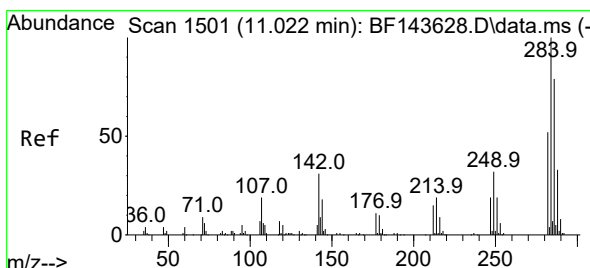
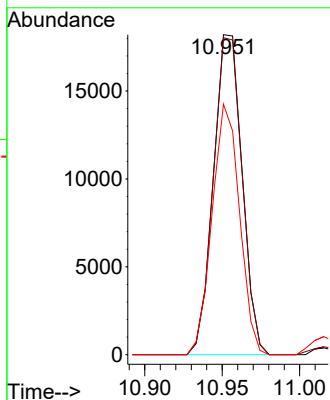
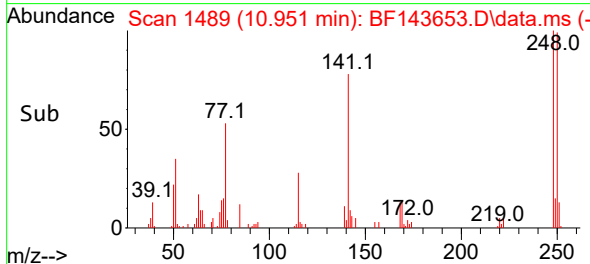
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025



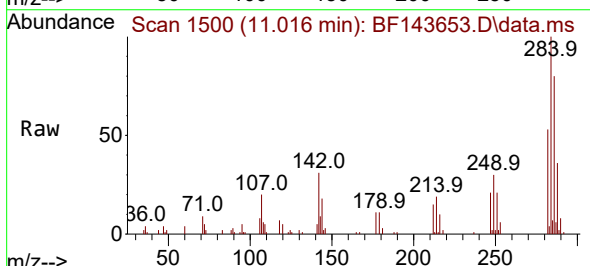
Tgt Ion:248 Resp: 23474
Ion Ratio Lower Upper
248 100
250 99.0 77.6 116.4
141 78.3 60.1 90.1

Manual Integrations
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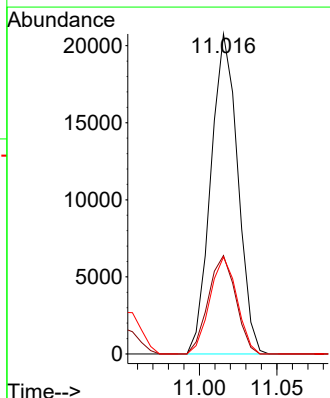
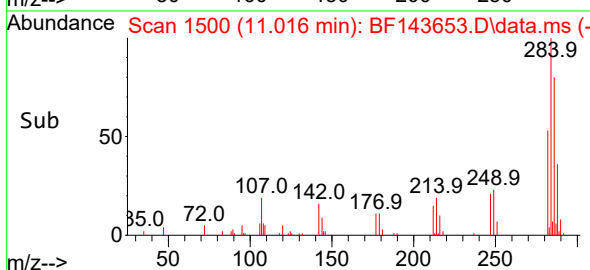
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025

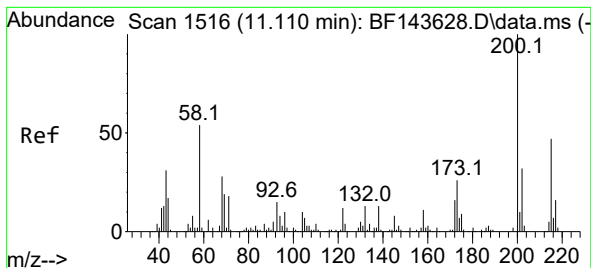


#68
Hexachlorobenzene
Concen: 7.644 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22



Tgt Ion:284 Resp: 25086
Ion Ratio Lower Upper
284 100
142 30.7 24.7 37.1
249 30.3 25.4 38.2





#69

Atrazine

Concen: 8.169 ng

RT: 11.098 min Scan# 1514

Delta R.T. -0.012 min

Lab File: BF143653.D

Acq: 05 Sep 2025 11:22

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2025

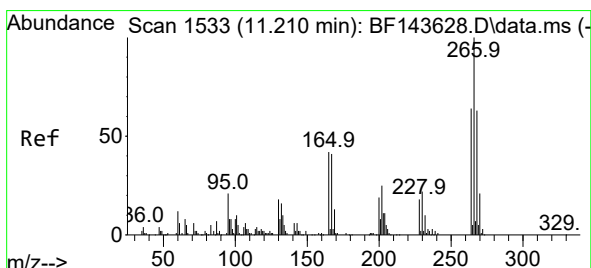
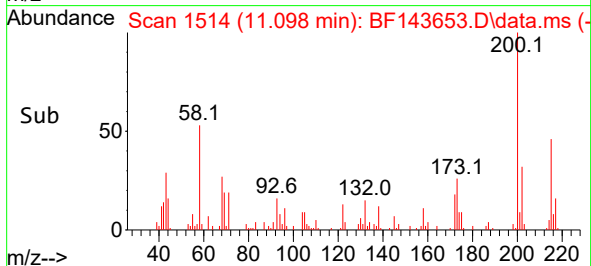
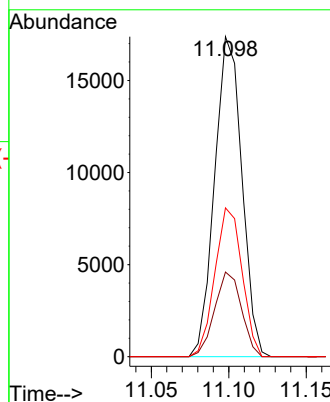
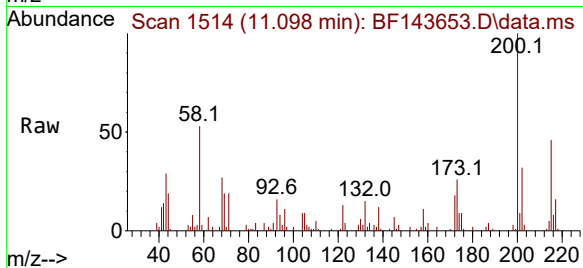
Tgt Ion:	200	Resp:	2123
Ion Ratio	Lower	Upper	
200	100		
173	26.4	6.4	46.4
215	46.5	26.9	66.9

Manual Integrations

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Reviewed By :Rahul Chavli 09/05/2025

Supervised By :Jagrut Upadhyay 09/05/2025



#70

Pentachlorophenol

Concen: 7.660 ng

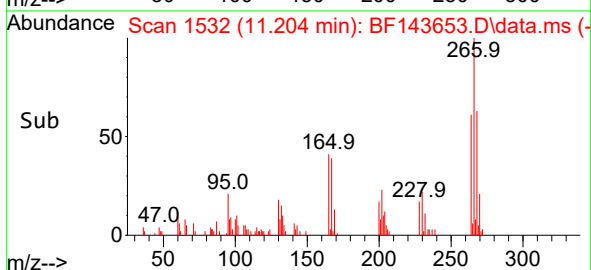
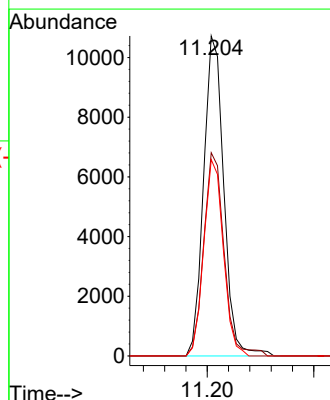
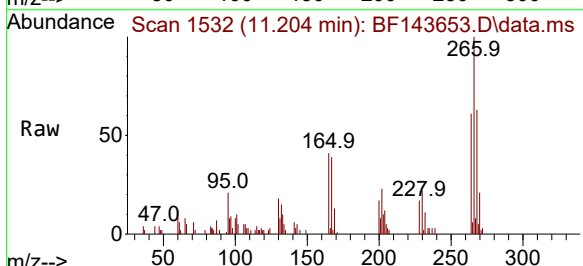
RT: 11.204 min Scan# 1532

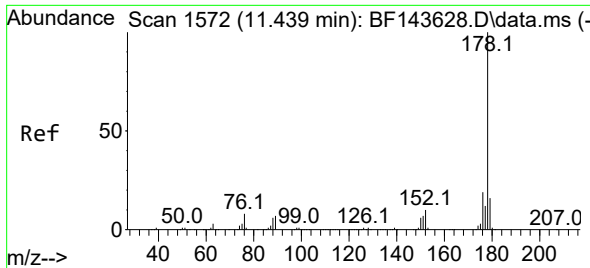
Delta R.T. -0.006 min

Lab File: BF143653.D

Acq: 05 Sep 2025 11:22

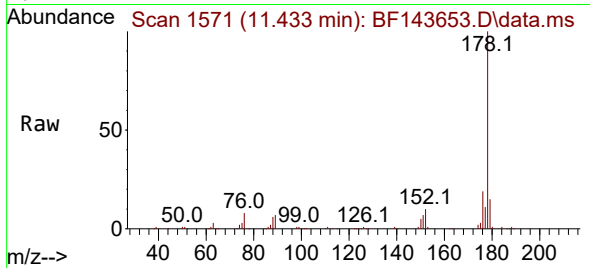
Tgt Ion:	266	Resp:	14121
Ion Ratio	Lower	Upper	
266	100		
268	63.5	50.6	76.0
264	61.4	51.2	76.8





#71
Phenanthrene
Concen: 7.974 ng
RT: 11.433 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

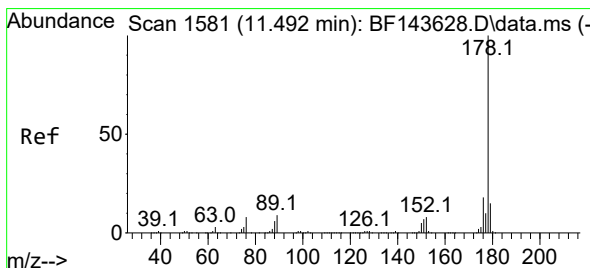
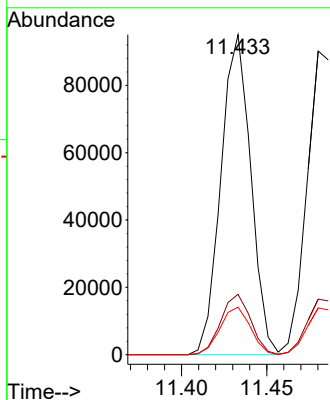
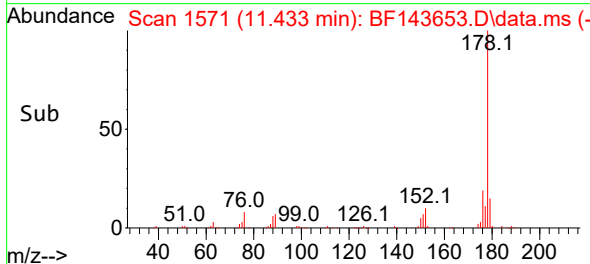
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025



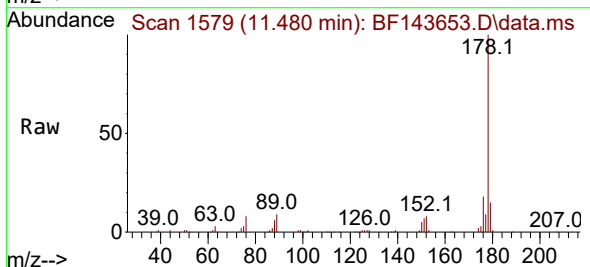
Tgt Ion:178 Resp: 116150
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 14.9 12.4 18.6

Manual Integrations
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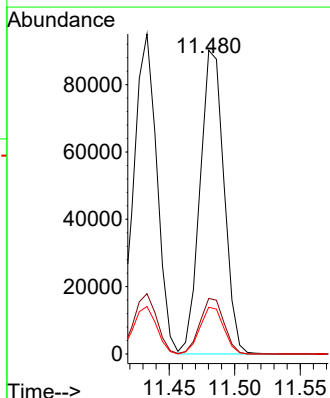
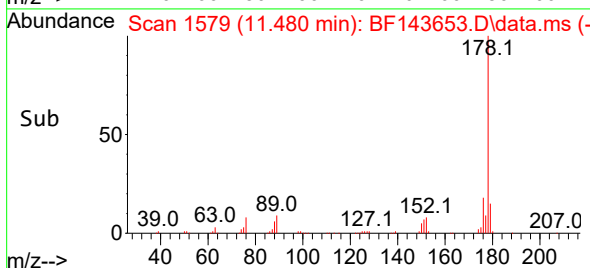
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025

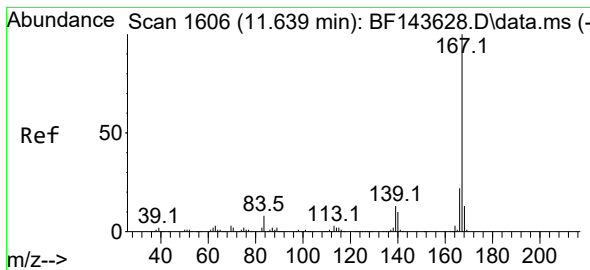


#72
Anthracene
Concen: 7.857 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.012 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22



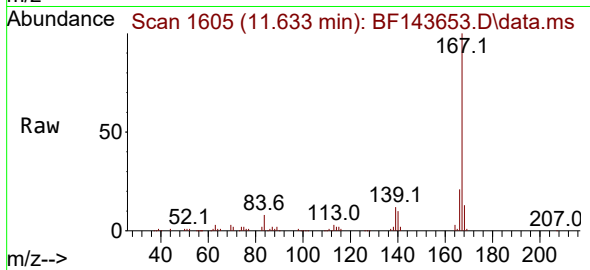
Tgt Ion:178 Resp: 114782
Ion Ratio Lower Upper
178 100
176 18.3 14.6 22.0
179 15.4 12.3 18.5





#73
 Carbazole
 Concen: 8.209 ng
 RT: 11.633 min Scan# 1605
 Delta R.T. -0.006 min
 Lab File: BF143653.D
 Acq: 05 Sep 2025 11:22

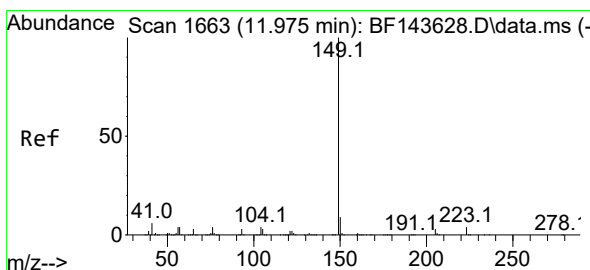
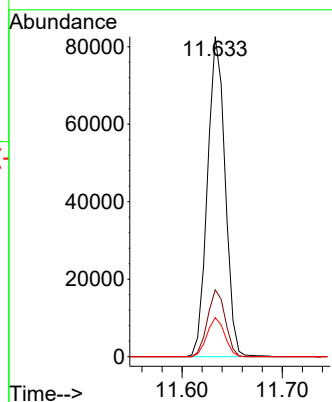
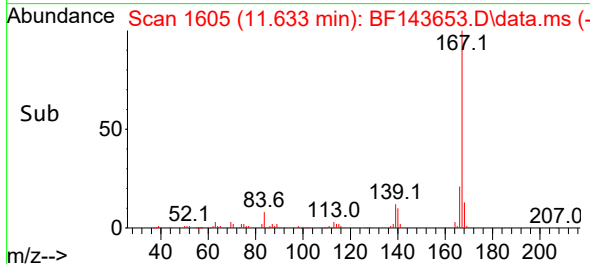
Instrument : BNA_F
 ClientSampleId : MDL-SOIL-03-QT3-2025



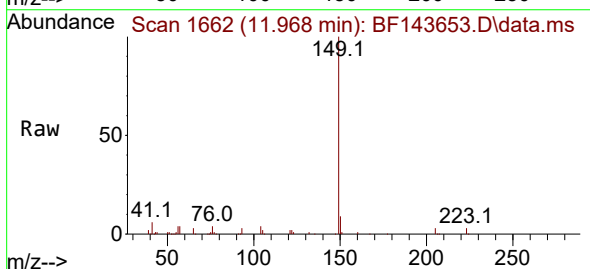
Tgt Ion:167 Resp: 10108
 Ion Ratio Lower Upper
 167 100
 166 20.9 17.3 25.9
 139 12.2 10.3 15.5

Manual Integrations
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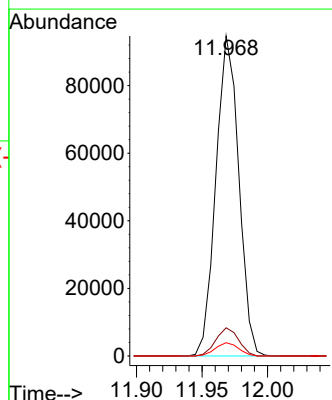
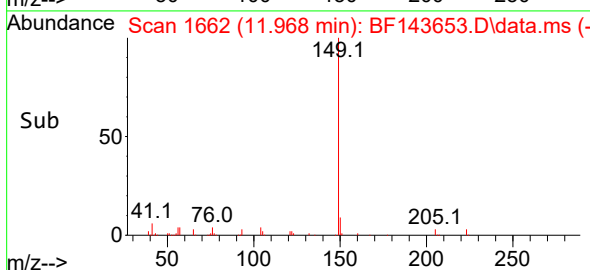
Reviewed By :Rahul Chavli 09/05/2025
 Supervised By :Jagrut Upadhyay 09/05/2025

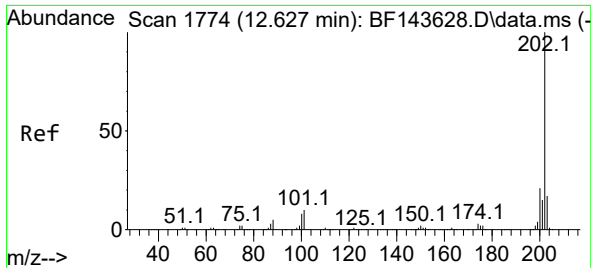


#74
 Di-n-butylphthalate
 Concen: 8.302 ng
 RT: 11.968 min Scan# 1662
 Delta R.T. -0.006 min
 Lab File: BF143653.D
 Acq: 05 Sep 2025 11:22



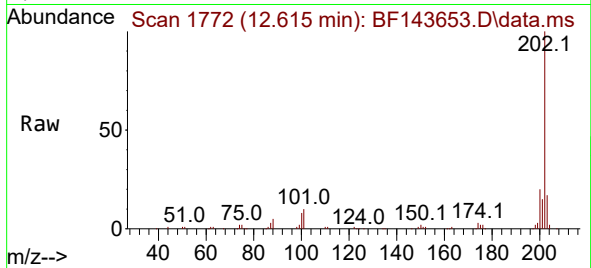
Tgt Ion:149 Resp: 114790
 Ion Ratio Lower Upper
 149 100
 150 8.8 7.4 11.0
 104 4.2 3.5 5.3





#75
Fluoranthene
Concen: 8.457 ng
RT: 12.615 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

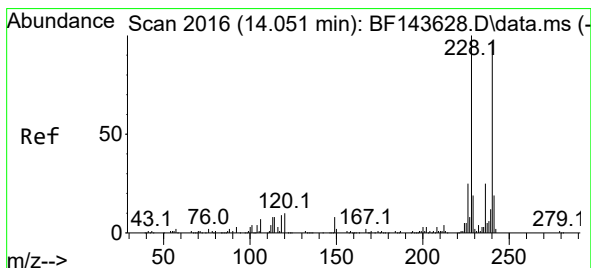
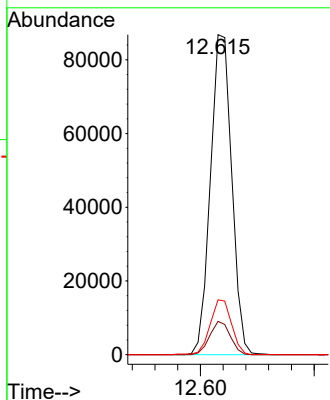
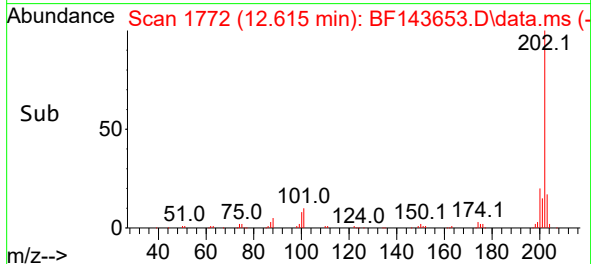
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025



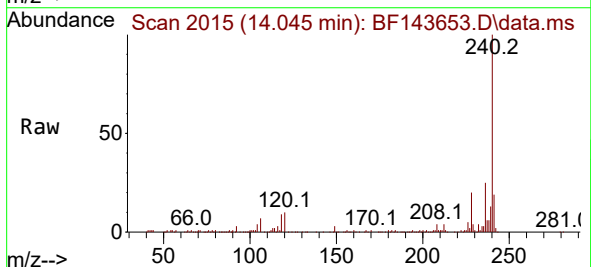
Tgt Ion:202 Resp: 11314
Ion Ratio Lower Upper
202 100
101 10.4 0.0 30.3
203 17.1 0.0 37.3

Manual Integrations
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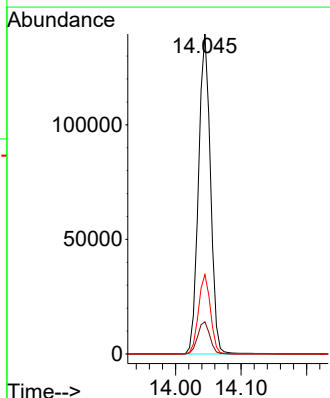
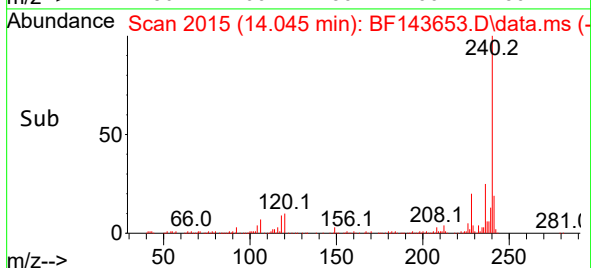
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025

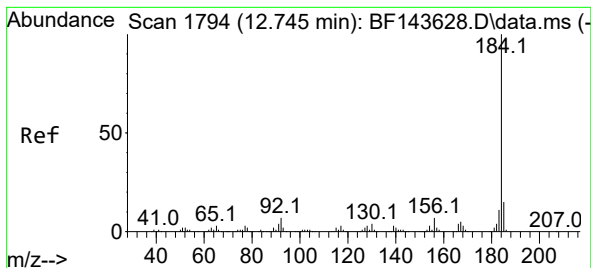


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22



Tgt Ion:240 Resp: 177434
Ion Ratio Lower Upper
240 100
120 10.1 8.0 12.0
236 24.8 20.5 30.7





#77

Benzidine

Concen: 11.499 ng

RT: 12.739 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143653.D

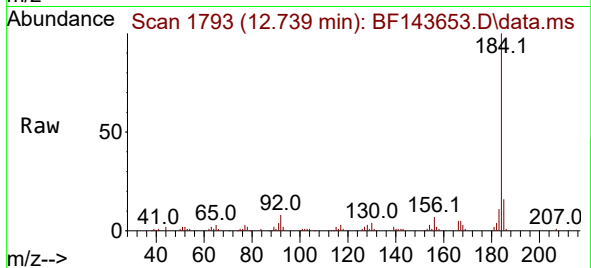
Acq: 05 Sep 2025 11:22

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2025



Tgt Ion:184 Resp: 46679

Ion Ratio Lower Upper

184 100

185 16.0 11.8 17.6

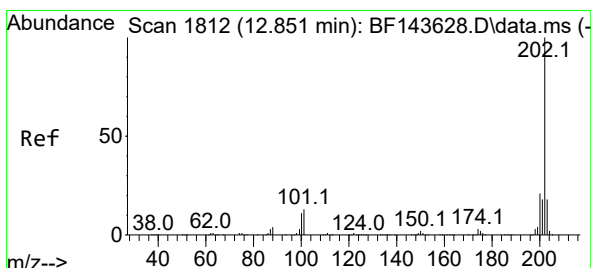
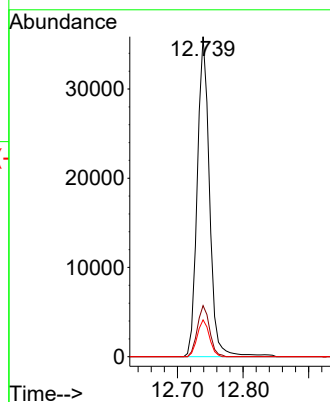
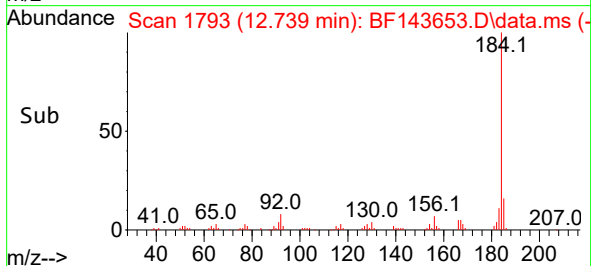
183 11.5 9.0 13.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/05/2025

Supervised By :Jagrut Upadhyay 09/05/2025



#78

Pyrene

Concen: 7.755 ng

RT: 12.845 min Scan# 1811

Delta R.T. -0.006 min

Lab File: BF143653.D

Acq: 05 Sep 2025 11:22

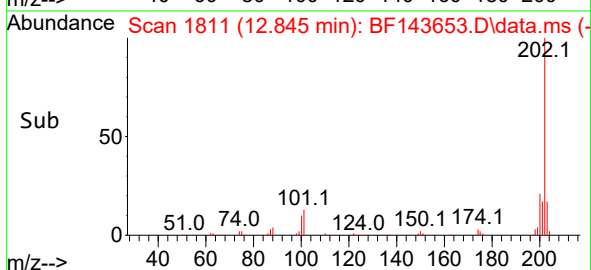
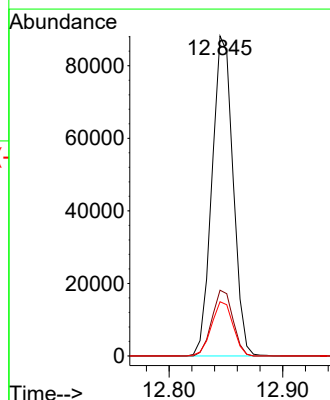
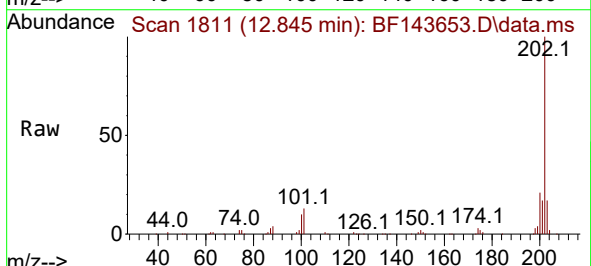
Tgt Ion:202 Resp: 113548

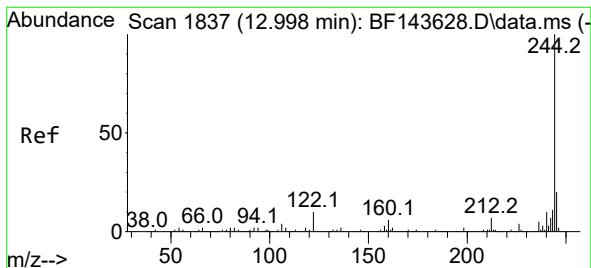
Ion Ratio Lower Upper

202 100

200 20.5 16.7 25.1

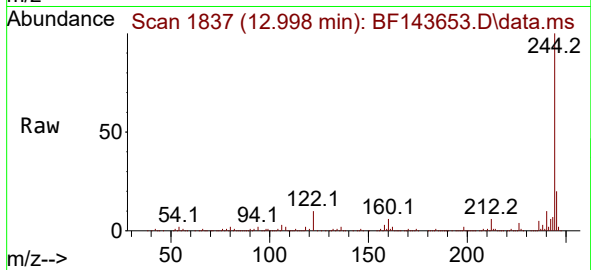
203 16.9 14.0 21.0





#79
 Terphenyl-d14
 Concen: 90.507 ng
 RT: 12.998 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF143653.D
 Acq: 05 Sep 2025 11:22

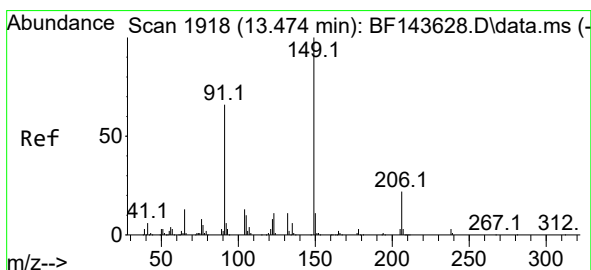
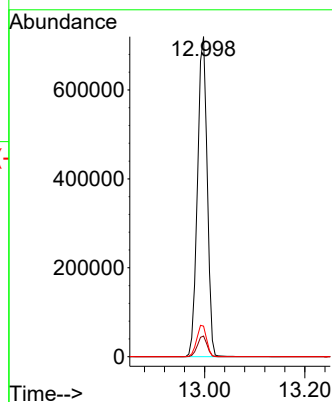
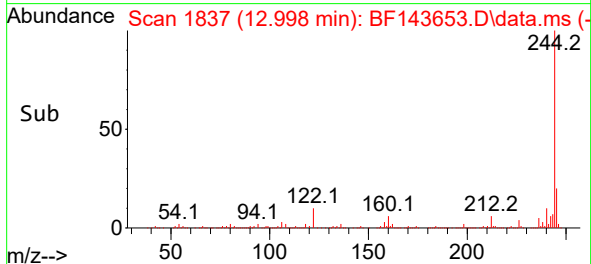
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2025



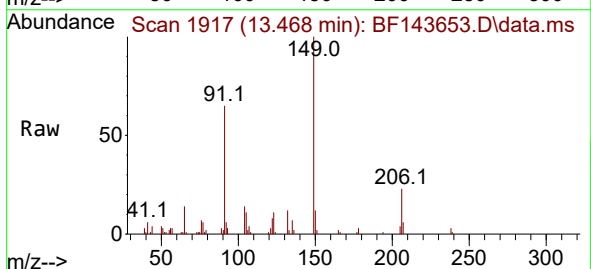
Tgt Ion:244 Resp: 96380
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.3 7.9
 122 9.6 8.3 12.5

Manual Integrations
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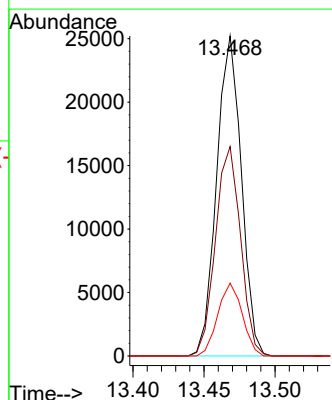
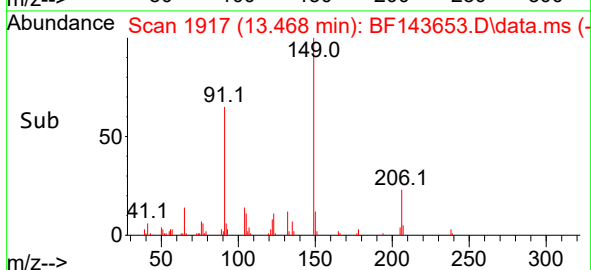
Reviewed By :Rahul Chavli 09/05/2025
 Supervised By :Jagrut Upadhyay 09/05/2025

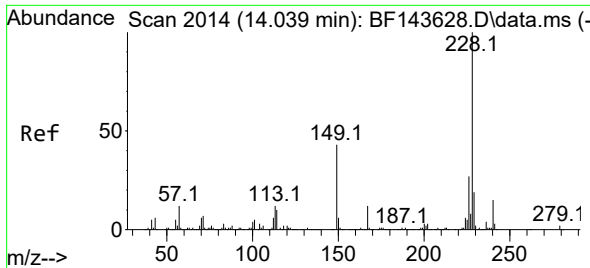


#80
 Butylbenzylphthalate
 Concen: 9.384 ng
 RT: 13.468 min Scan# 1917
 Delta R.T. -0.006 min
 Lab File: BF143653.D
 Acq: 05 Sep 2025 11:22



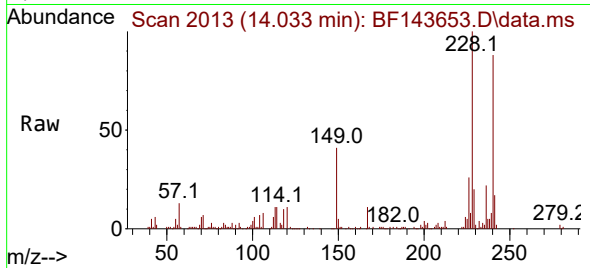
Tgt Ion:149 Resp: 30479
 Ion Ratio Lower Upper
 149 100
 91 65.5 53.0 79.4
 206 22.8 17.4 26.2





#81
Benzo(a)anthracene
Concen: 7.568 ng
RT: 14.033 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

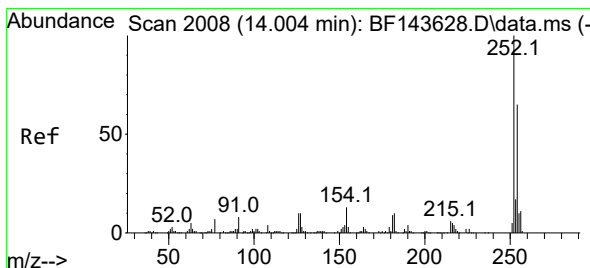
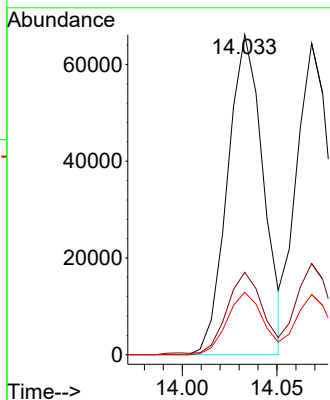
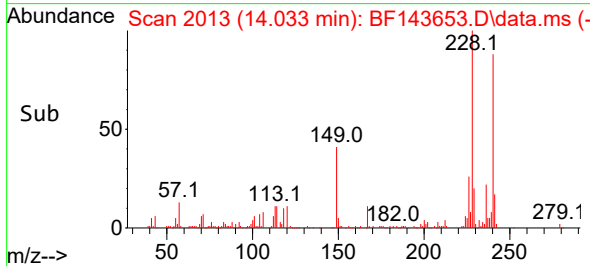
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025



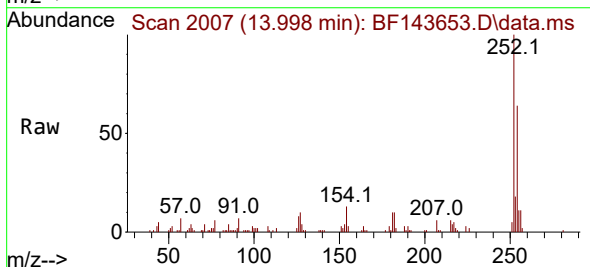
Tgt Ion:228 Resp: 86974
Ion Ratio Lower Upper
228 100
226 25.8 21.4 32.2
229 19.5 15.5 23.3

Manual Integrations
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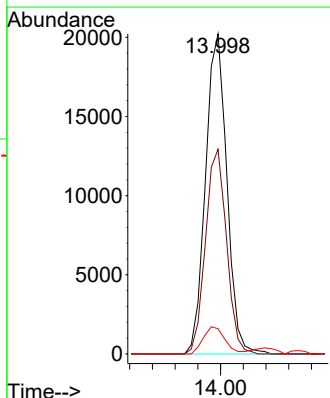
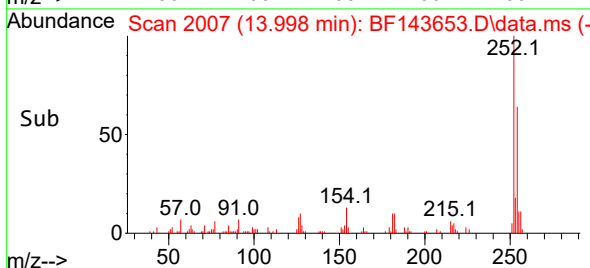
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025

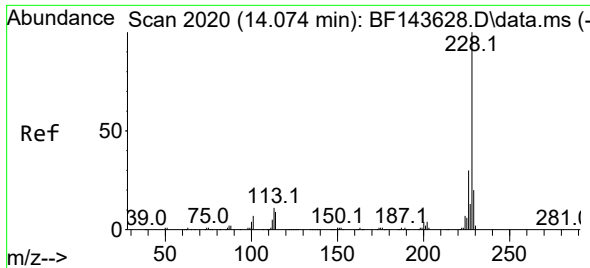


#82
3,3'-Dichlorobenzidine
Concen: 8.413 ng
RT: 13.998 min Scan# 2007
Delta R.T. -0.006 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22



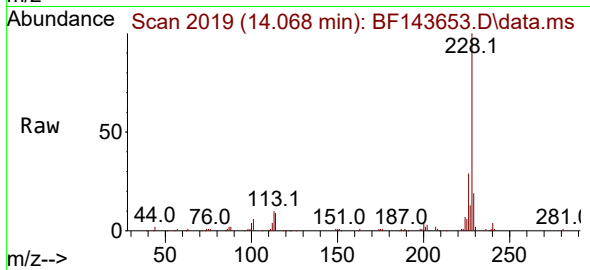
Tgt Ion:252 Resp: 26358
Ion Ratio Lower Upper
252 100
254 64.0 52.2 78.2
126 7.9 8.1 12.1#





#83
Chrysene
Concen: 7.779 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

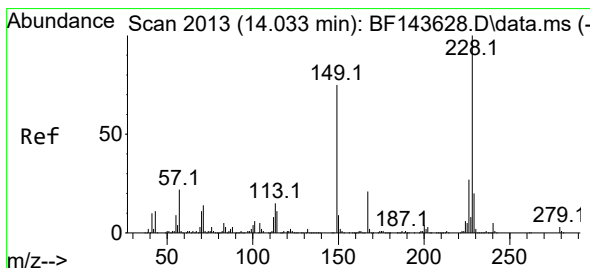
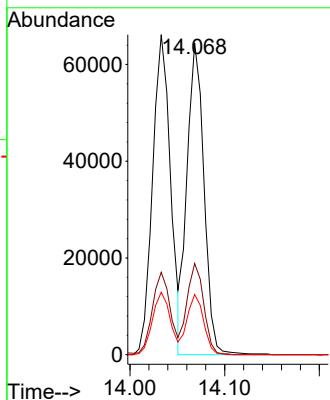
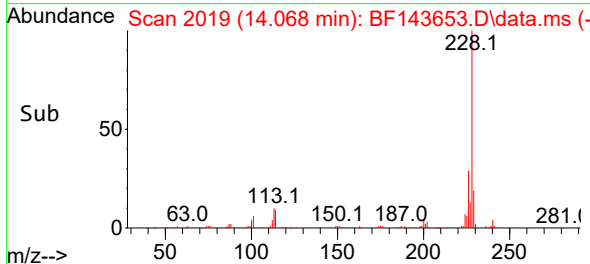
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT3-2025



Tgt Ion:228 Resp: 80364
Ion Ratio Lower Upper
228 100
226 29.3 23.8 35.6
229 19.3 15.8 23.6

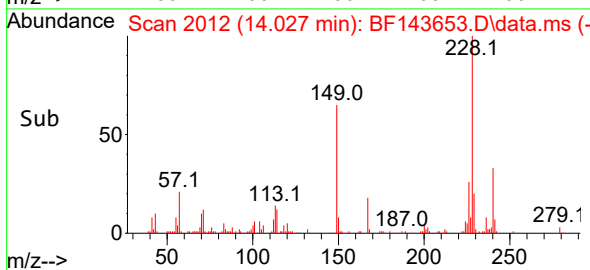
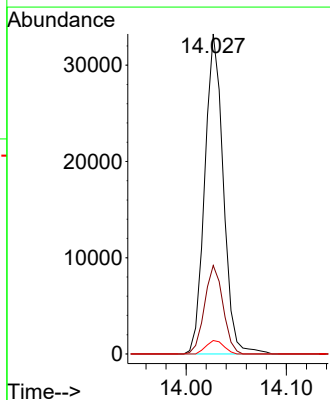
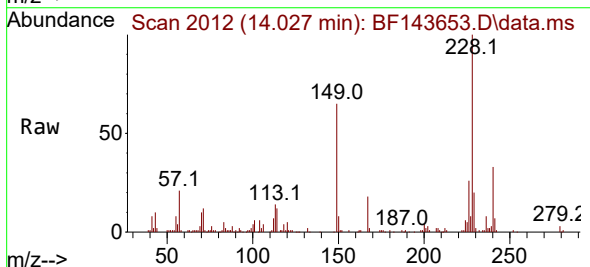
Manual Integrations
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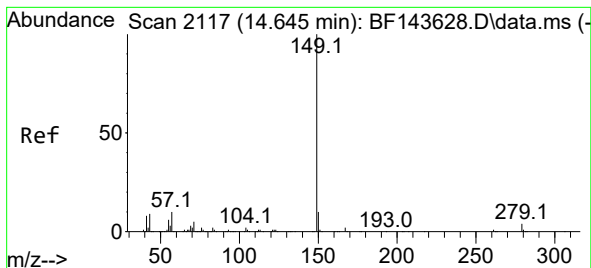
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 9.043 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

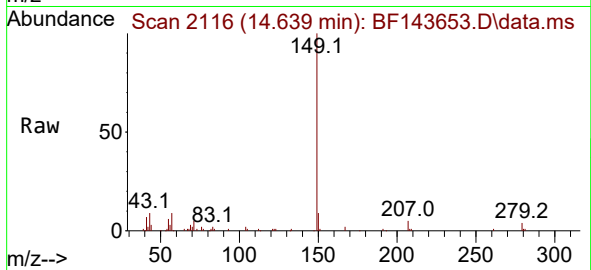
Tgt Ion:149 Resp: 42832
Ion Ratio Lower Upper
149 100
167 27.7 22.1 33.1
279 4.2 3.4 5.2





#85
Di-n-octyl phthalate
Concen: 6.129 ng
RT: 14.639 min Scan# 2116
Delta R.T. -0.006 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

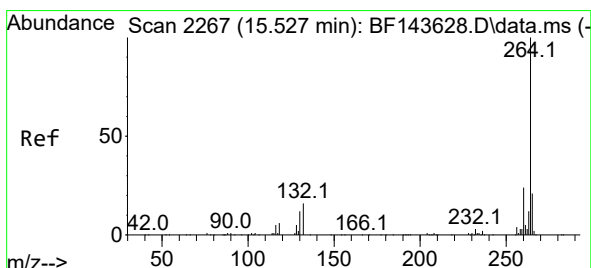
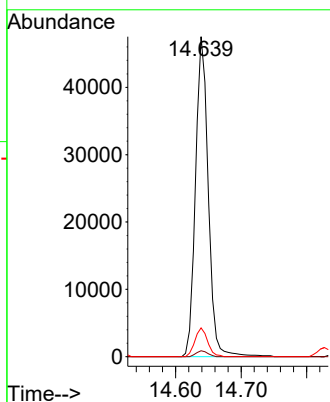
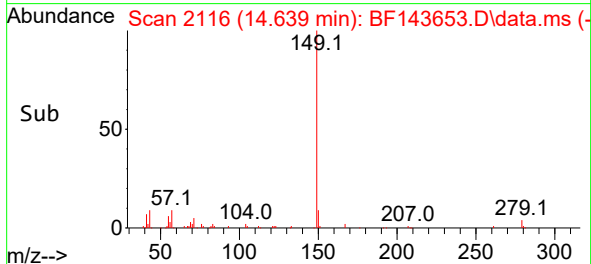
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025



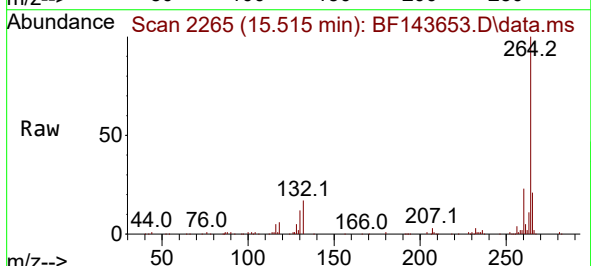
Tgt Ion:149 Resp: 64529
Ion Ratio Lower Upper
149 100
167 1.7 1.2 1.8
43 8.9 7.8 11.8

Manual Integrations
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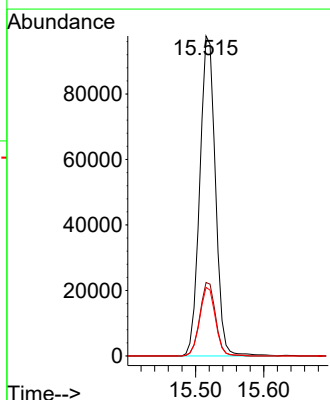
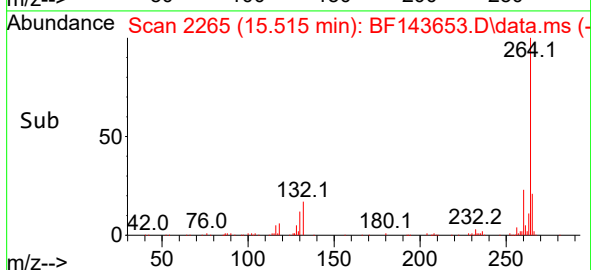
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025

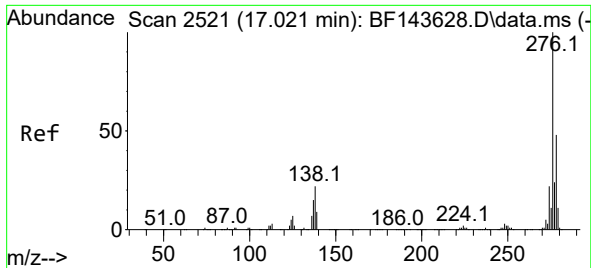


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.515 min Scan# 2265
Delta R.T. -0.012 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22



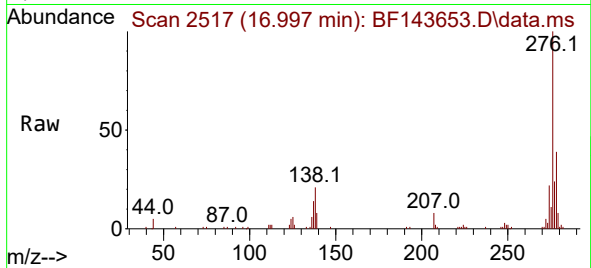
Tgt Ion:264 Resp: 155879
Ion Ratio Lower Upper
264 100
260 22.9 18.9 28.3
265 21.4 17.1 25.7





#87
Indeno(1,2,3-cd)pyrene
Concen: 7.379 ng
RT: 16.997 min Scan# 2117
Delta R.T. -0.024 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

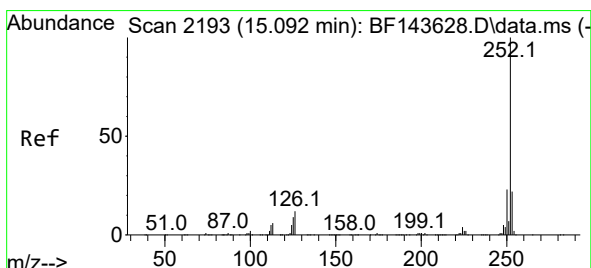
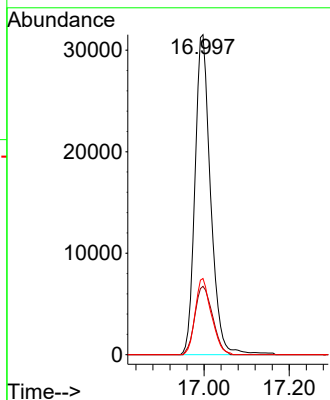
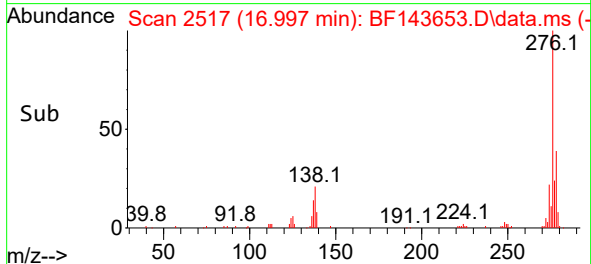
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025



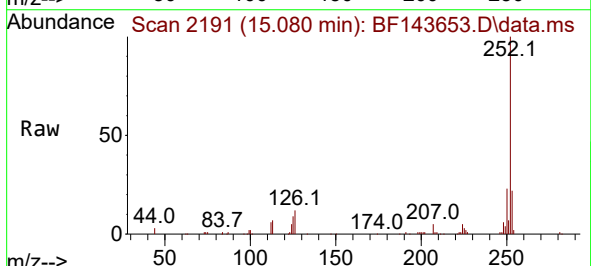
Tgt Ion:276 Resp: 80188
Ion Ratio Lower Upper
276 100
138 24.2 19.8 29.6
277 24.6 20.1 30.1

Manual Integrations
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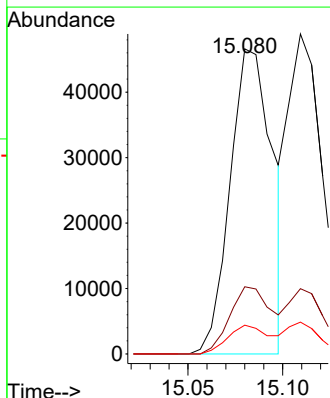
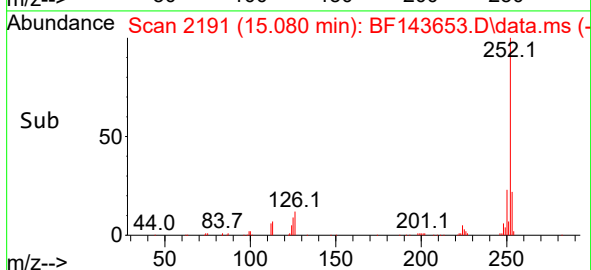
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025

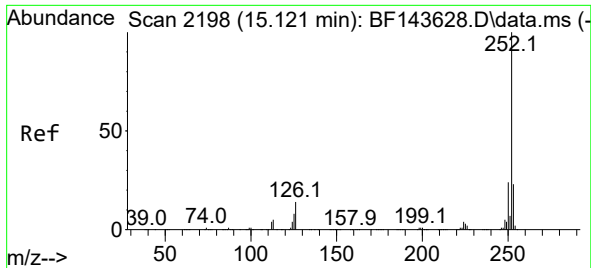


#88
Benzo(b)fluoranthene
Concen: 7.729 ng
RT: 15.080 min Scan# 2191
Delta R.T. -0.012 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22



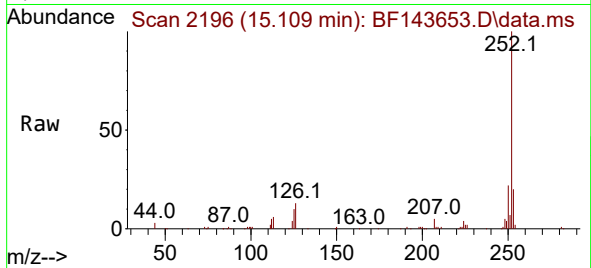
Tgt Ion:252 Resp: 72588
Ion Ratio Lower Upper
252 100
253 22.0 17.2 25.8
125 9.4 7.4 11.2





#89
Benzo(k)fluoranthene
Concen: 7.764 ng
RT: 15.109 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

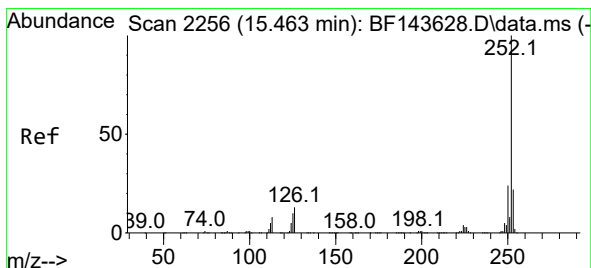
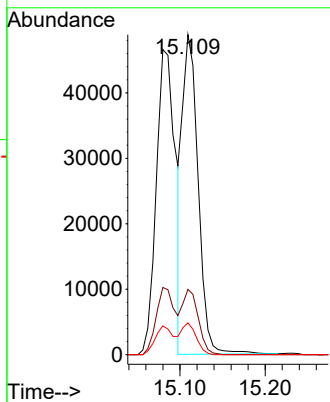
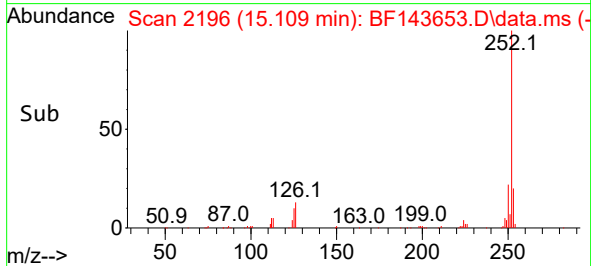
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT3-2025



Tgt Ion:252 Resp: 63059
Ion Ratio Lower Upper
252 100
253 20.4 17.8 26.6
125 9.9 7.3 10.9

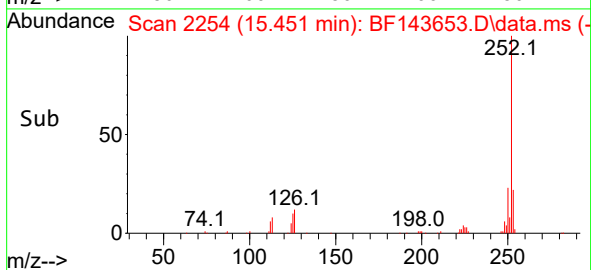
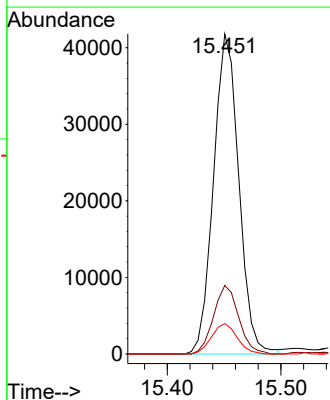
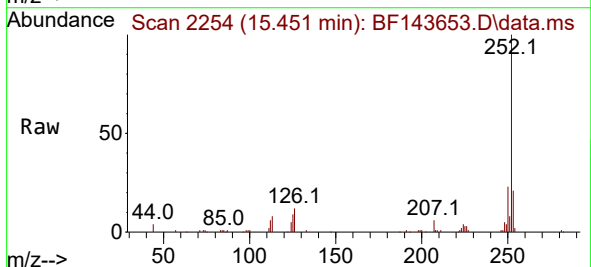
Manual Integrations
APPROVED

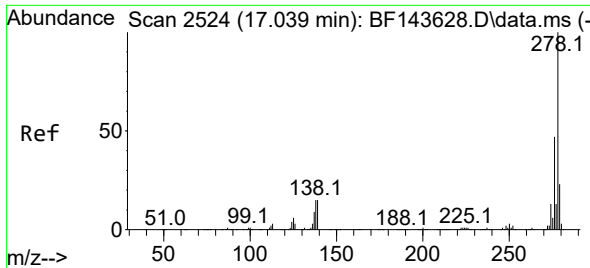
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#90
Benzo(a)pyrene
Concen: 8.005 ng
RT: 15.451 min Scan# 2254
Delta R.T. -0.012 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

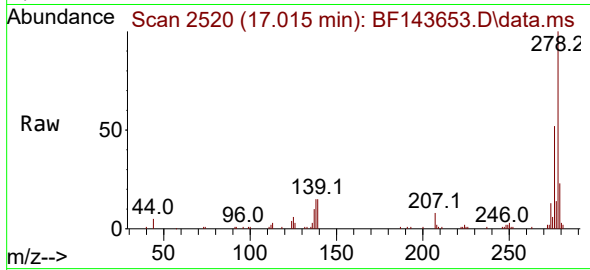
Tgt Ion:252 Resp: 64627
Ion Ratio Lower Upper
252 100
253 21.4 17.4 26.2
125 9.5 8.3 12.5





#91
Dibenzo(a,h)anthracene
Concen: 7.468 ng
RT: 17.015 min Scan# 2520
Delta R.T. -0.024 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22

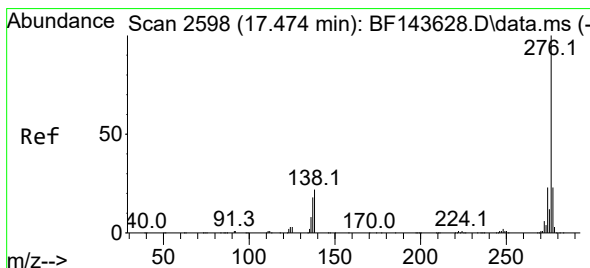
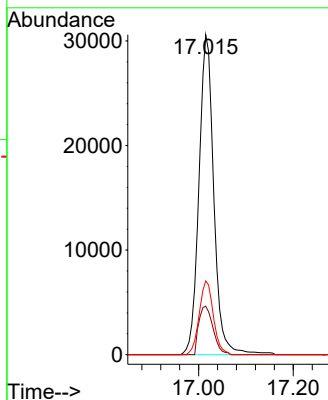
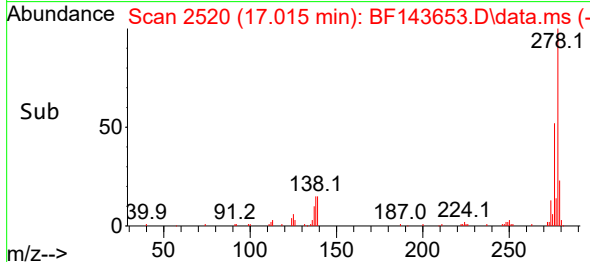
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025



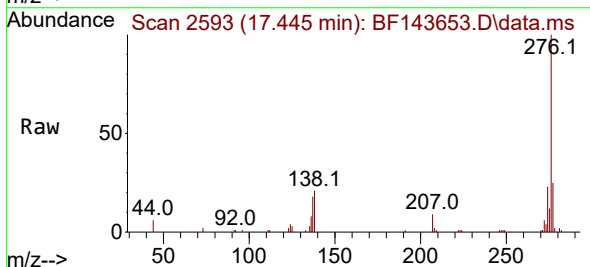
Tgt Ion:278 Resp: 6675
Ion Ratio Lower Upper
278 100
139 15.1 12.4 18.6
279 23.1 18.7 28.1

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#92
Benzo(g,h,i)perylene
Concen: 7.526 ng
RT: 17.445 min Scan# 2593
Delta R.T. -0.030 min
Lab File: BF143653.D
Acq: 05 Sep 2025 11:22



Tgt Ion:276 Resp: 64802
Ion Ratio Lower Upper
276 100
277 24.8 18.7 28.1
138 21.0 17.2 25.8

