

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090425\
 Data File : BF143644.D
 Acq On : 04 Sep 2025 15:12
 Operator : RC/JU
 Sample : Q2893-01
 Misc : LOD-MDL-SOIL 8PPM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025

Quant Time: Sep 04 15:56:18 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	73564	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	279439	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	158599	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	245179	20.000	ng	0.00
76) Chrysene-d12	14.045	240	158553	20.000	ng	0.00
86) Perylene-d12	15.521	264	161401	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	513459	123.651	ng	0.00
7) Phenol-d6	6.510	99	638639	123.915	ng	0.00
23) Nitrobenzene-d5	7.451	82	392708	98.773	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	189146	142.618	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	849482	85.573	ng	0.00
79) Terphenyl-d14	12.998	244	809902	85.112	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.669	88	14703	7.505	ng	96
3) Pyridine	3.469	79	36141	6.963	ng	97
4) n-Nitrosodimethylamine	3.369	42	15944	7.396	ng	98
6) Aniline	6.551	93	56691	7.902	ng	97
8) 2-Chlorophenol	6.675	128	35012	8.142	ng	93
9) Benzaldehyde	6.439	77	28341	7.401	ng	98
10) Phenol	6.522	94	44709m	7.912	ng	
11) bis(2-Chloroethyl)ether	6.622	93	34242	7.738	ng	97
12) 1,3-Dichlorobenzene	6.834	146	42109	7.934	ng	98
13) 1,4-Dichlorobenzene	6.910	146	42692	8.020	ng	99
14) 1,2-Dichlorobenzene	7.057	146	40251	7.990	ng	98
15) Benzyl Alcohol	7.022	79	30417	7.767	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.163	45	50578	7.262	ng	99
17) 2-Methylphenol	7.128	107	28158	7.489	ng	98
18) Hexachloroethane	7.404	117	13275	7.994	ng	99
19) n-Nitroso-di-n-propyla...	7.292	70	26027	7.930	ng	98
20) 3+4-Methylphenols	7.281	107	37681	7.961	ng	97
22) Acetophenone	7.292	105	51598	8.165	ng	# 96
24) Nitrobenzene	7.469	77	36755	8.646	ng	100
25) Isophorone	7.704	82	67890	7.578	ng	98
26) 2-Nitrophenol	7.786	139	14470	12.048	ng	94
27) 2,4-Dimethylphenol	7.810	122	34881	8.942	ng	98
28) bis(2-Chloroethoxy)met...	7.916	93	42900	7.832	ng	98
29) 2,4-Dichlorophenol	8.016	162	30126	7.870	ng	99
30) 1,2,4-Trichlorobenzene	8.110	180	34391	8.244	ng	98
31) Naphthalene	8.192	128	108303	7.924	ng	98
32) Benzoic acid	7.863	122	10584	11.286	ng	97
33) 4-Chloroaniline	8.233	127	41829	8.838	ng	99
34) Hexachlorobutadiene	8.310	225	20963	7.726	ng	97
35) Caprolactam	8.563	113	7300	7.117	ng	# 85
36) 4-Chloro-3-methylphenol	8.704	107	30377	7.579	ng	95
37) 2-Methylnaphthalene	8.880	142	64521	6.979	ng	98
38) 1-Methylnaphthalene	8.980	142	67849	7.676	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	35413	8.079	ng	99
41) Hexachlorocyclopentadiene	9.039	237	20202	9.491	ng	98
43) 2,4,6-Trichlorophenol	9.157	196	20868	7.727	ng	99

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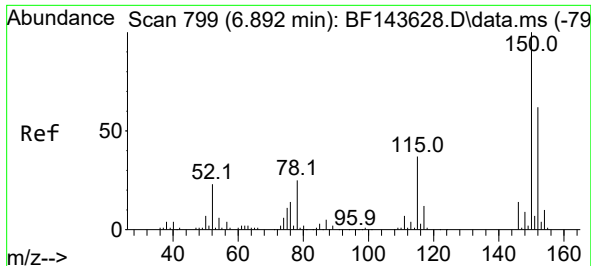
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	24122	8.652	ng	96
46) 1,1'-Biphenyl	9.345	154	91587	8.120	ng	98
47) 2-Chloronaphthalene	9.369	162	70755	8.016	ng	98
48) 2-Nitroaniline	9.457	65	16507	9.613	ng	96
49) Acenaphthylene	9.786	152	110009	8.647	ng	99
50) Dimethylphthalate	9.639	163	77868	7.754	ng	100
51) 2,6-Dinitrotoluene	9.698	165	14070	10.886	ng	96
52) Acenaphthene	9.957	154	65794	7.732	ng	99
53) 3-Nitroaniline	9.869	138	14790	9.866	ng	96
54) 2,4-Dinitrophenol	9.969	184	3366	11.993	ng	# 1
55) Dibenzofuran	10.127	168	97925	7.921	ng	99
56) 4-Nitrophenol	10.010	139	9985	6.706	ng	95
57) 2,4-Dinitrotoluene	10.098	165	16181	9.885	ng	96
58) Fluorene	10.474	166	75857	7.932	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.239	232	19026	8.986	ng	98
60) Diethylphthalate	10.339	149	71317	7.480	ng	98
61) 4-Chlorophenyl-phenyle...	10.469	204	38293	8.025	ng	100
62) 4-Nitroaniline	10.474	138	12370	8.713	ng	97
63) Azobenzene	10.627	77	67850	7.550	ng	98
65) 4,6-Dinitro-2-methylph...	10.504	198	5589	12.956	ng	94
66) n-Nitrosodiphenylamine	10.580	169	63793	8.061	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	22804	8.020	ng	97
68) Hexachlorobenzene	11.016	284	23942	8.016	ng	96
69) Atrazine	11.104	200	17639	7.456	ng	99
70) Pentachlorophenol	11.210	266	11894	7.089	ng	99
71) Phenanthrene	11.433	178	106663	8.045	ng	98
72) Anthracene	11.486	178	108636	8.170	ng	99
73) Carbazole	11.639	167	85014	7.585	ng	98
74) Di-n-butylphthalate	11.974	149	93434	7.425	ng	99
75) Fluoranthene	12.621	202	93928	7.714	ng	99
77) Benzidine	12.739	184	40399	11.137	ng	96
78) Pyrene	12.851	202	94970	7.259	ng	99
80) Butylbenzylphthalate	13.468	149	24474	8.767	ng	95
81) Benzo(a)anthracene	14.039	228	79844	7.775	ng	99
82) 3,3'-Dichlorobenzidine	13.998	252	22369	7.990	ng	99
83) Chrysene	14.074	228	67553	7.318	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	39769	9.283	ng	100
85) Di-n-octyl phthalate	14.645	149	63348	6.734	ng	# 99
87) Indeno(1,2,3-cd)pyrene	17.003	276	82910	7.369	ng	98
88) Benzo(b)fluoranthene	15.086	252	73725	7.582	ng	100
89) Benzo(k)fluoranthene	15.115	252	59939	7.127	ng	98
90) Benzo(a)pyrene	15.457	252	63916	7.646	ng	99
91) Dibenzo(a,h)anthracene	17.027	278	68331	7.383	ng	98
92) Benzo(g,h,i)perylene	17.450	276	67506	7.572	ng	99

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

Manual Integrations

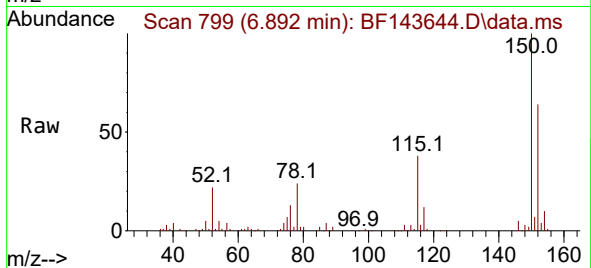
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025

[illegible]



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. 0.000 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

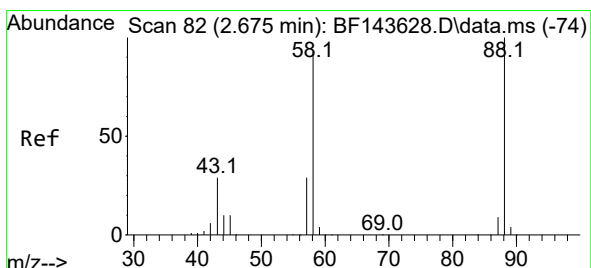
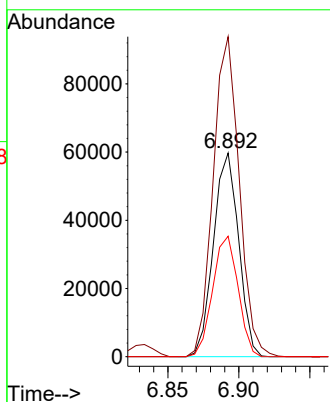
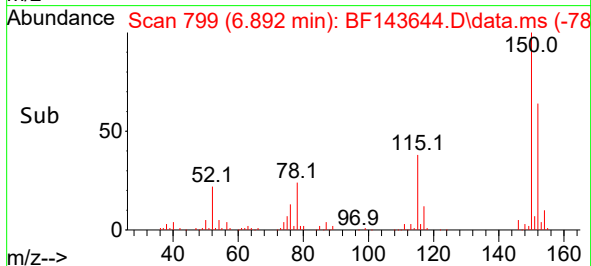
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025



Tgt Ion:152 Resp: 73564
Ion Ratio Lower Upper
152 100
150 157.1 128.4 192.6
115 59.1 47.9 71.9

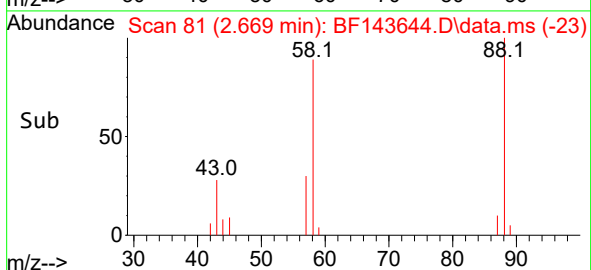
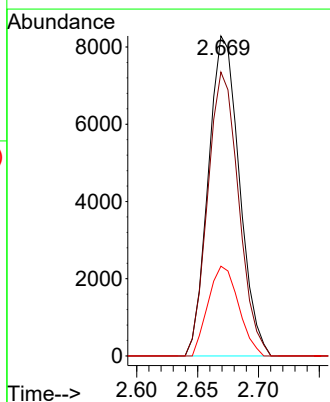
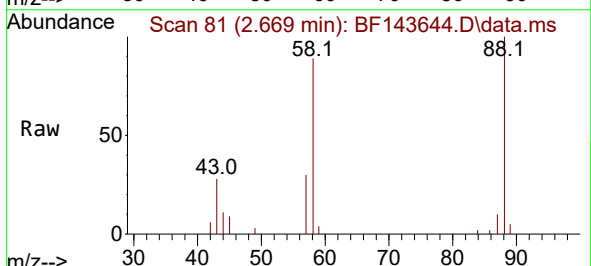
Manual Integrations
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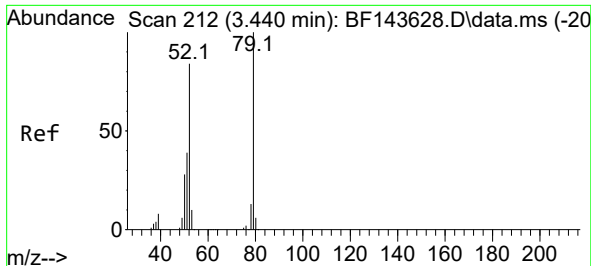
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#2
1,4-Dioxane
Concen: 7.505 ng
RT: 2.669 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

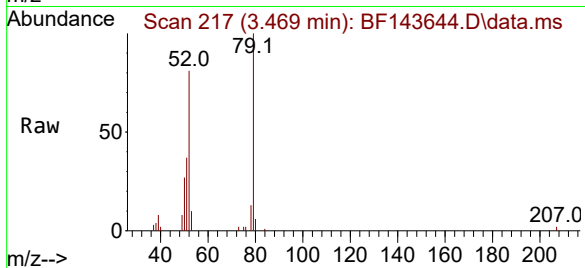
Tgt Ion: 88 Resp: 14703
Ion Ratio Lower Upper
88 100
58 88.2 73.9 110.9
43 27.5 23.4 35.2





#3
Pyridine
Concen: 6.963 ng
RT: 3.469 min Scan# 212
Delta R.T. 0.029 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

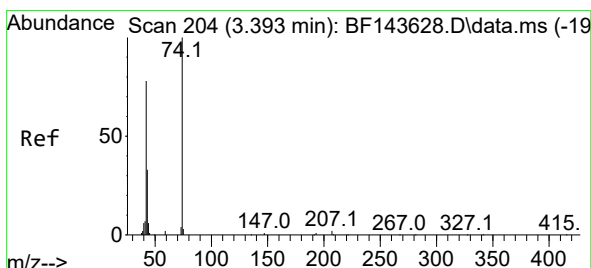
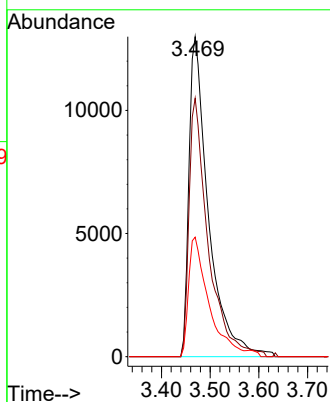
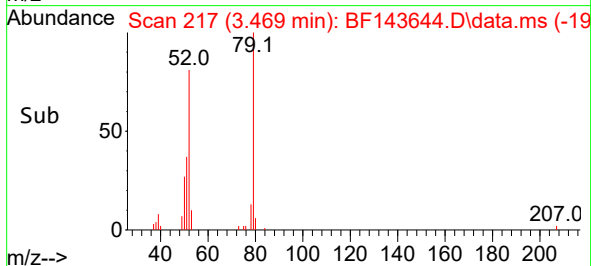
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025



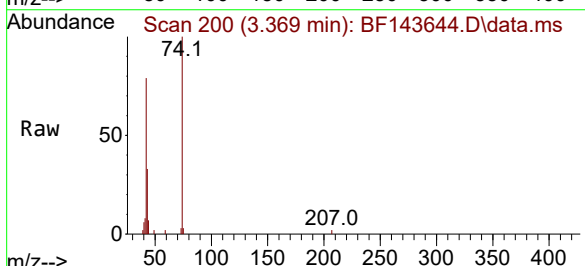
Tgt Ion: 79 Resp: 3614
Ion Ratio Lower Upper
79 100
52 80.8 67.4 101.2
51 37.4 31.0 46.6

Manual Integrations
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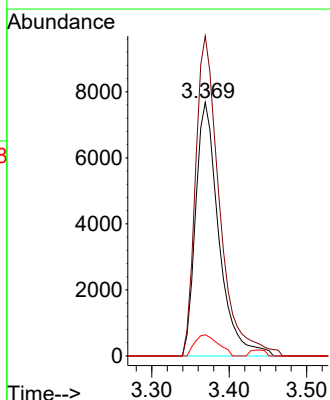
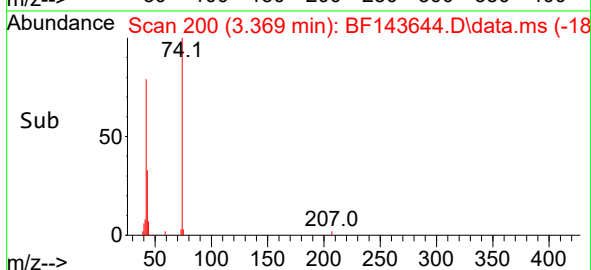
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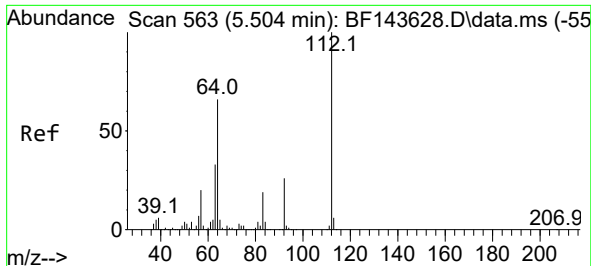


#4
n-Nitrosodimethylamine
Concen: 7.396 ng
RT: 3.369 min Scan# 200
Delta R.T. -0.024 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12



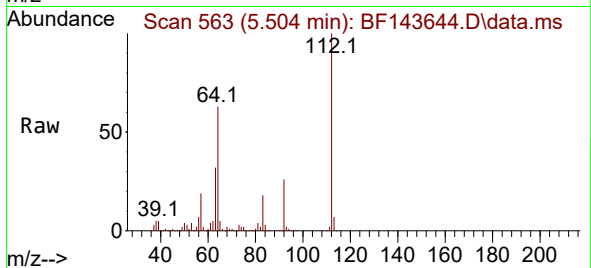
Tgt Ion: 42 Resp: 15944
Ion Ratio Lower Upper
42 100
74 126.2 102.9 154.3
44 8.3 6.5 9.7





#5
2-Fluorophenol
Concen: 123.651 ng
RT: 5.504 min Scan# 50
Delta R.T. -0.000 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

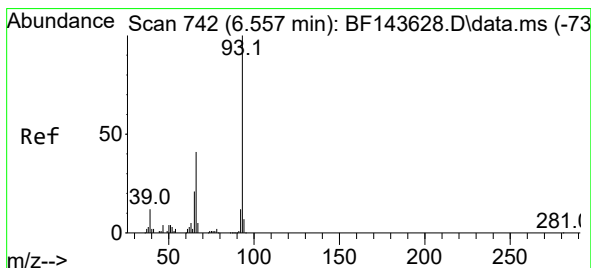
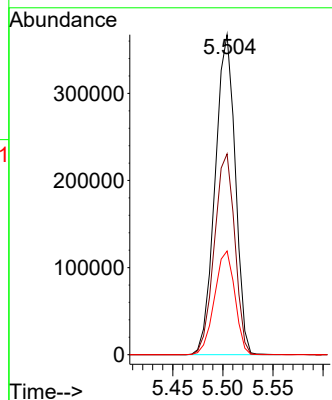
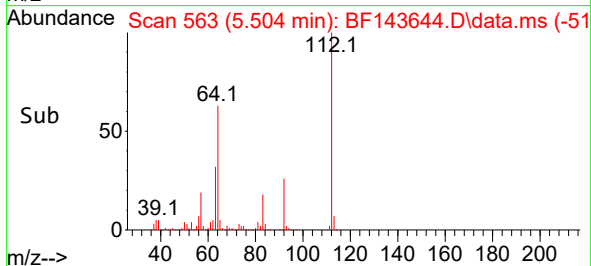
Instrument :
BNA_F
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Tgt Ion: 112 Resp: 51345
Ion Ratio Lower Upper
112 100
64 62.8 52.7 79.1
63 32.4 26.5 39.7

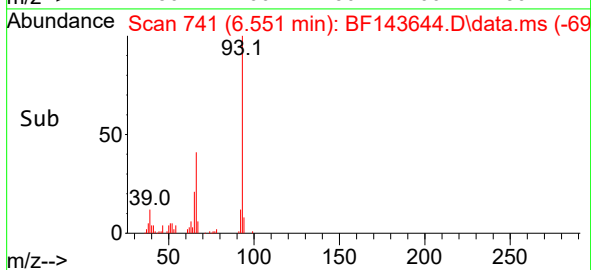
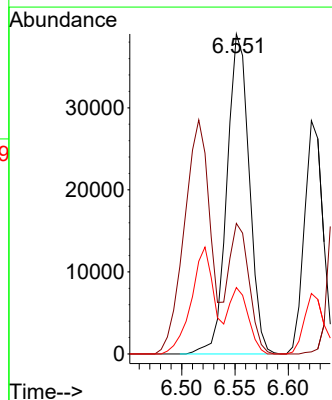
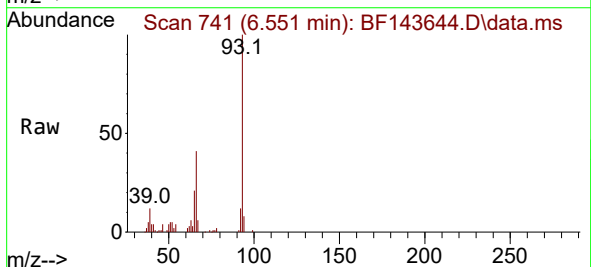
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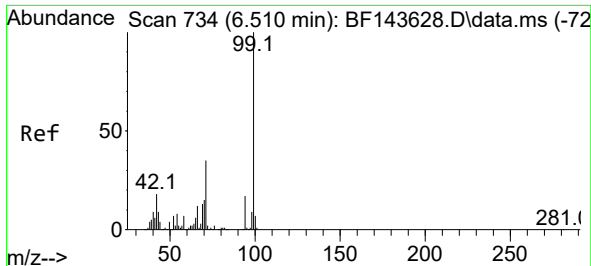
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#6
Aniline
Concen: 7.902 ng
RT: 6.551 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

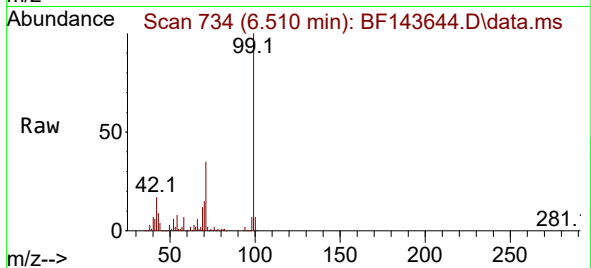
Tgt Ion: 93 Resp: 56691
Ion Ratio Lower Upper
93 100
66 40.8 34.6 51.8
65 20.8 16.9 25.3





#7
Phenol-d6
Concen: 123.915 ng
RT: 6.510 min Scan# 734
Delta R.T. -0.000 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

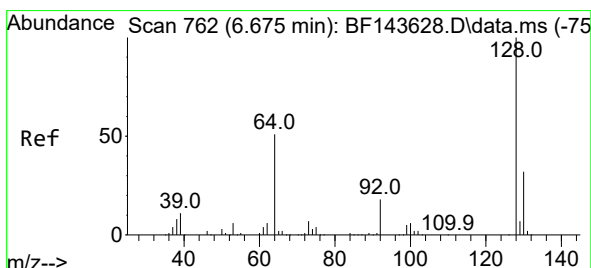
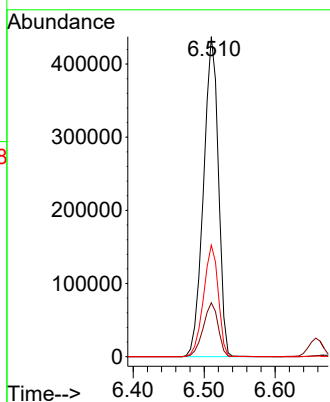
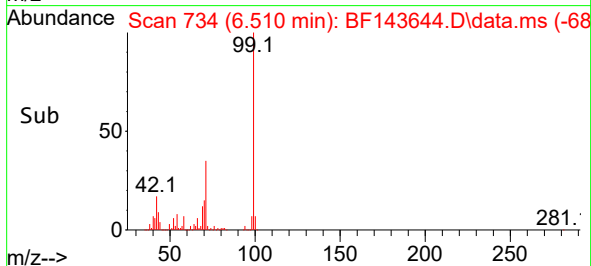
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025



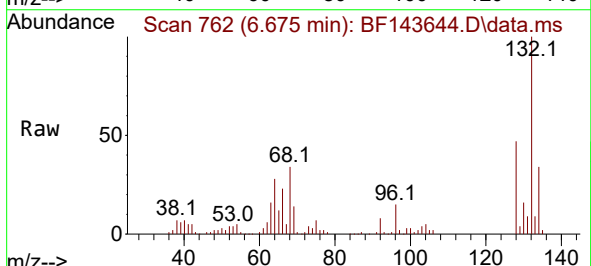
Tgt Ion: 99 Resp: 638639
Ion Ratio Lower Upper
99 100
42 16.9 14.6 22.0
71 34.8 28.0 42.0

Manual Integrations
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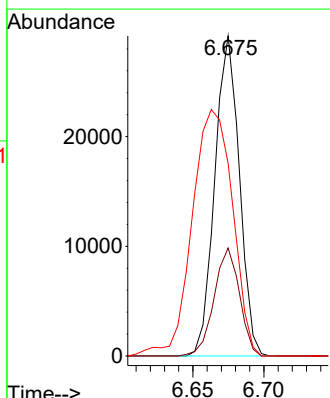
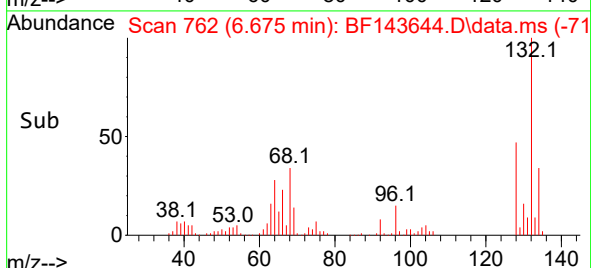
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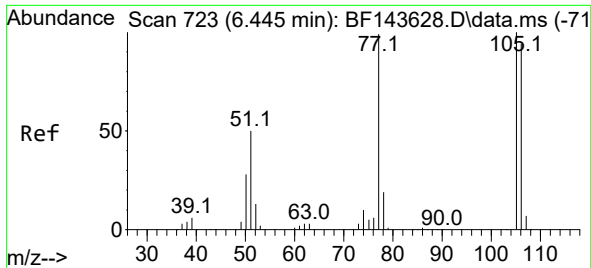


#8
2-Chlorophenol
Concen: 8.142 ng
RT: 6.675 min Scan# 762
Delta R.T. -0.000 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12



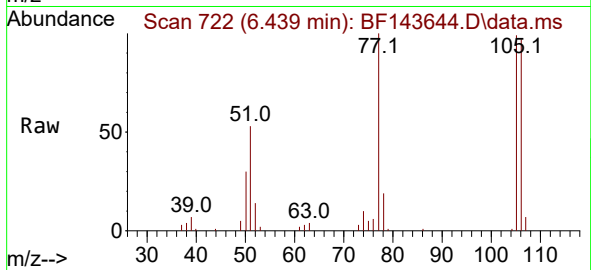
Tgt Ion:128 Resp: 35012
Ion Ratio Lower Upper
128 100
130 33.8 12.3 52.3
64 60.2 32.9 72.9





#9
Benzaldehyde
Concen: 7.401 ng
RT: 6.439 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

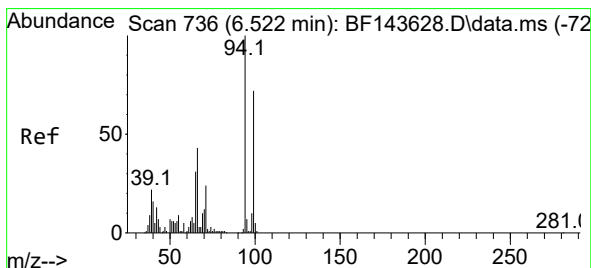
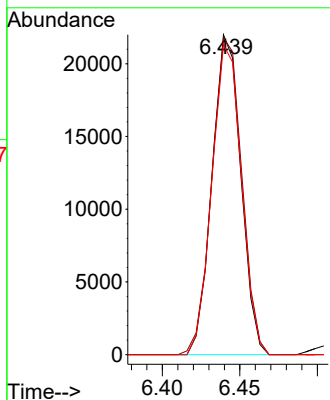
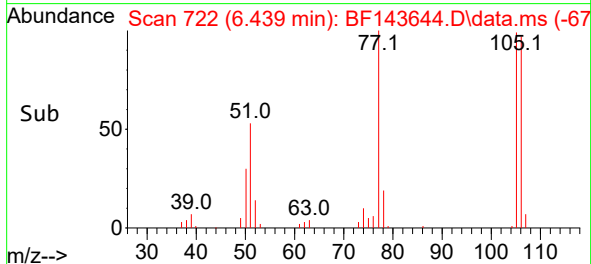
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025



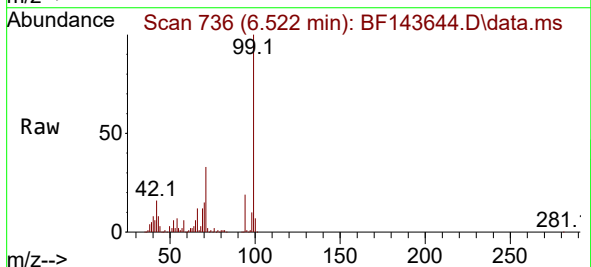
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Ion Ratio Lower Upper
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105 99.1 80.9 120.9
106 96.8 75.1 115.1

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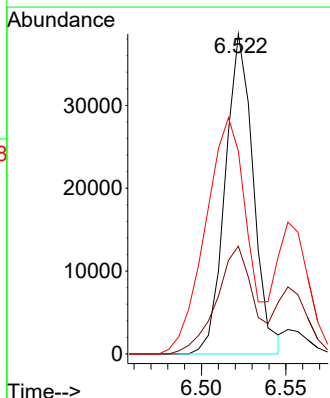
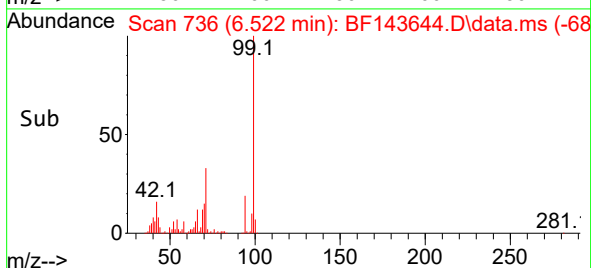
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025

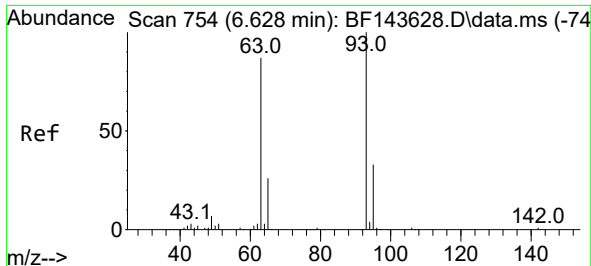


#10
Phenol
Concen: 7.912 ng m
RT: 6.522 min Scan# 736
Delta R.T. -0.000 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12



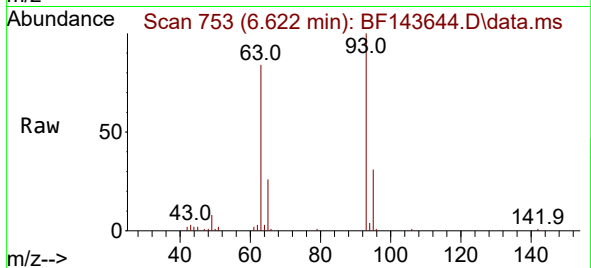
Tgt Ion: 94 Resp: 44709
Ion Ratio Lower Upper
94 100
65 33.7 11.4 51.4
66 63.4 23.7 63.7





#11
bis(2-Chloroethyl)ether
Concen: 7.738 ng
RT: 6.622 min Scan# 754
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

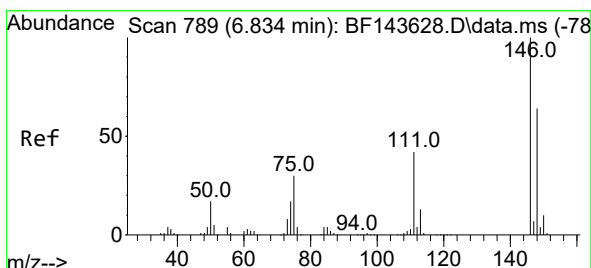
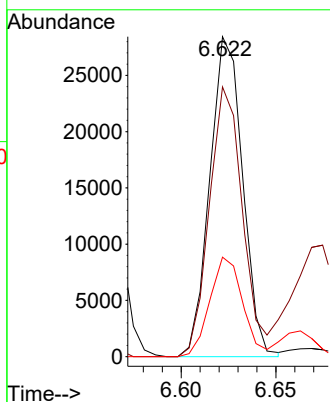
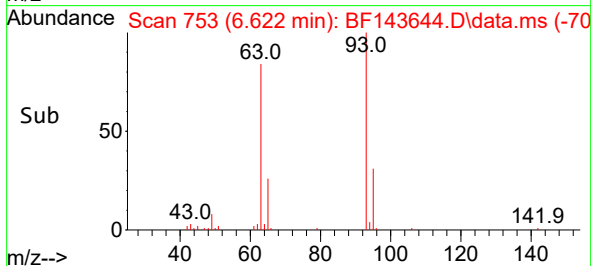
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025



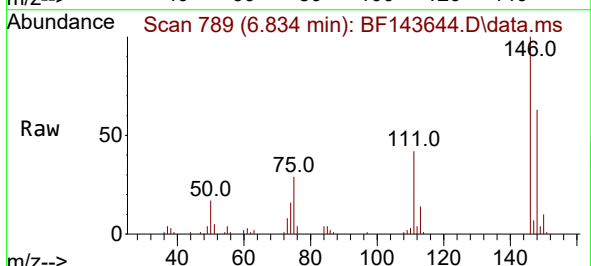
Tgt Ion: 93 Resp: 3424
Ion Ratio Lower Upper
93 100
63 84.3 66.5 106.5
95 31.1 12.7 52.7

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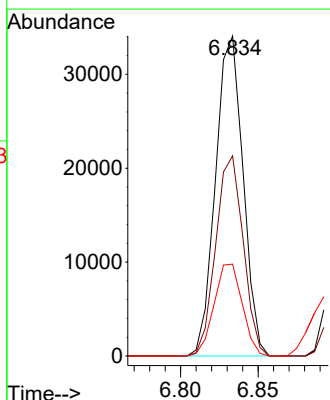
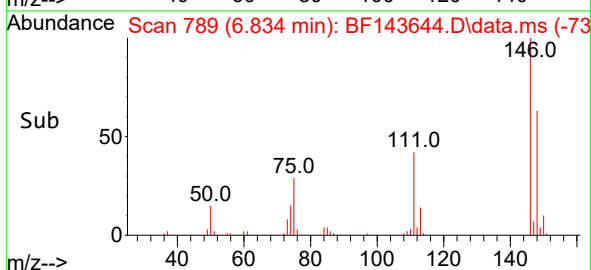
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025

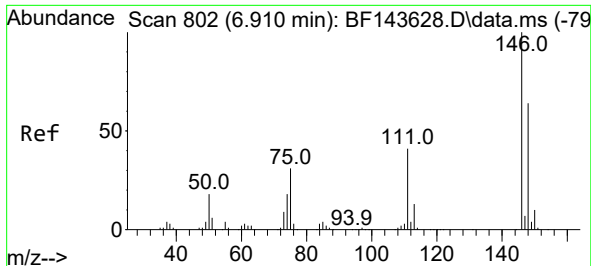


#12
1,3-Dichlorobenzene
Concen: 7.934 ng
RT: 6.834 min Scan# 789
Delta R.T. -0.000 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12



Tgt Ion:146 Resp: 42109
Ion Ratio Lower Upper
146 100
148 62.5 50.9 76.3
75 28.7 24.2 36.2





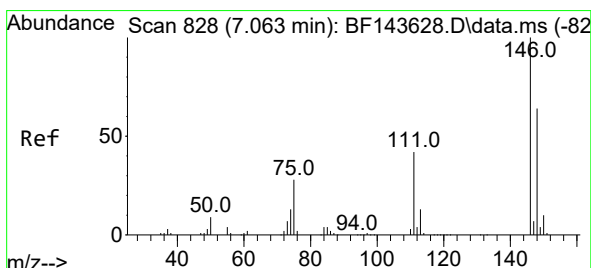
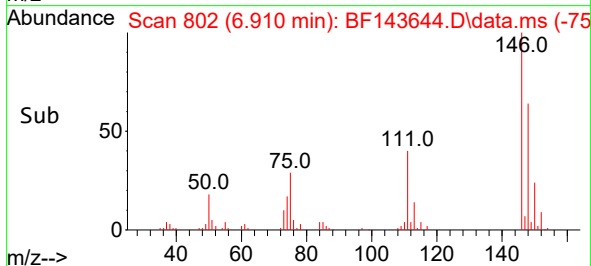
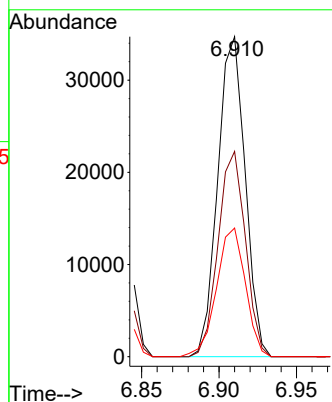
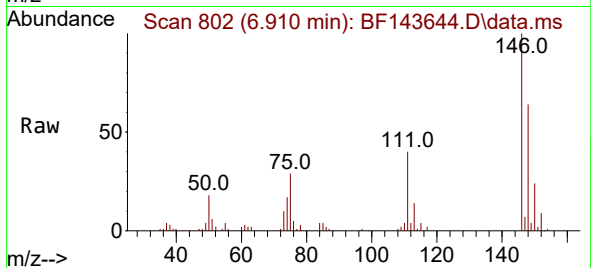
#13
1,4-Dichlorobenzene
Concen: 8.020 ng
RT: 6.910 min Scan# 802
Delta R.T. -0.000 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion:146 Resp: 42692
Ion Ratio Lower Upper
146 100
148 64.1 51.4 77.2
111 40.2 33.1 49.7

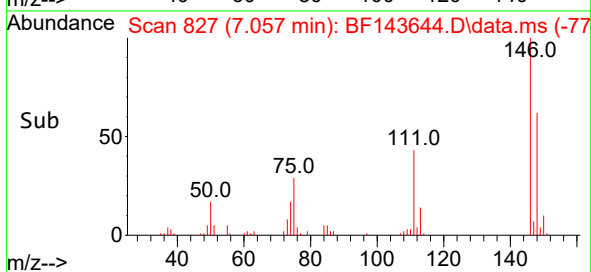
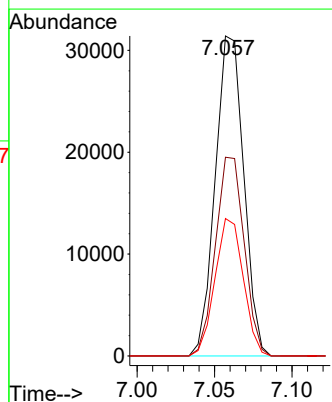
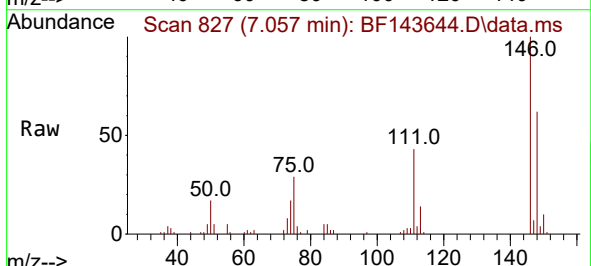
Manual Integrations
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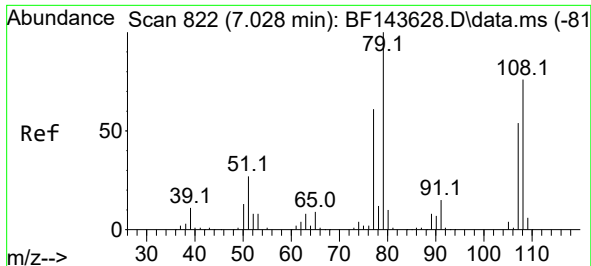
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#14
1,2-Dichlorobenzene
Concen: 7.990 ng
RT: 7.057 min Scan# 827
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

Tgt Ion:146 Resp: 40251
Ion Ratio Lower Upper
146 100
148 62.1 51.2 76.8
111 42.9 33.9 50.9





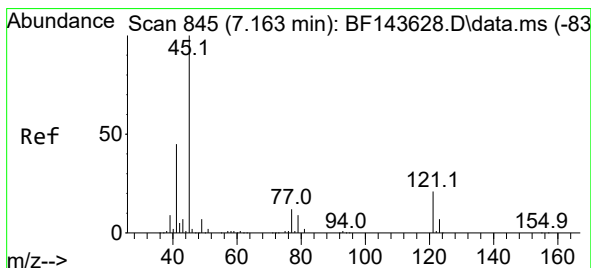
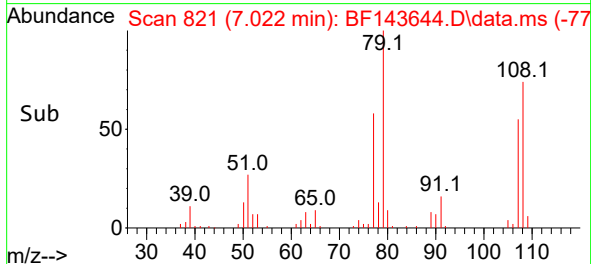
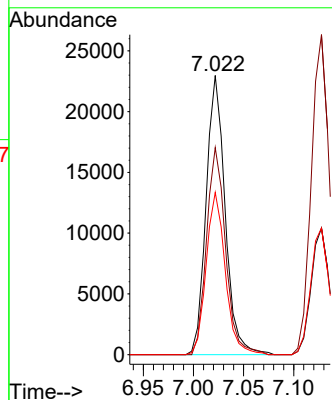
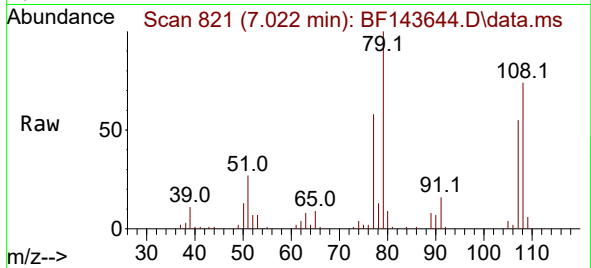
#15
Benzyl Alcohol
Concen: 7.767 ng
RT: 7.022 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 79 Resp: 3041
Ion Ratio Lower Upper
79 100
108 74.2 60.9 91.3
77 58.1 48.4 72.6

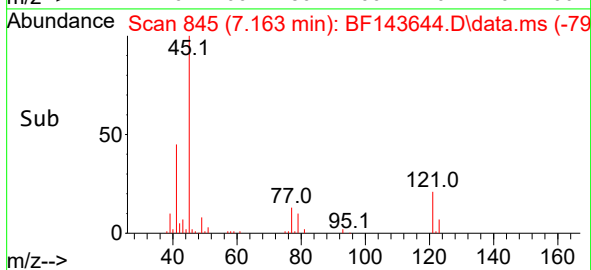
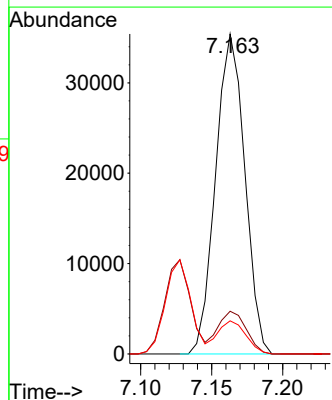
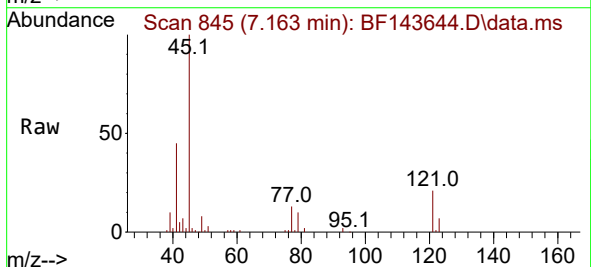
Manual Integrations
APPROVED

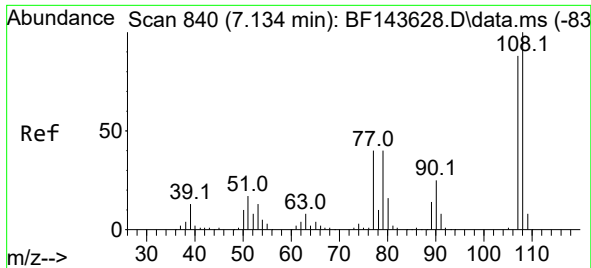
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.262 ng
RT: 7.163 min Scan# 845
Delta R.T. -0.000 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

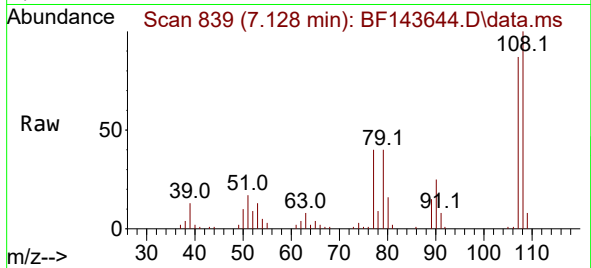
Tgt Ion: 45 Resp: 50578
Ion Ratio Lower Upper
45 100
77 13.4 0.0 33.5
79 10.3 0.0 29.8





#17
2-Methylphenol
Concen: 7.489 ng
RT: 7.128 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

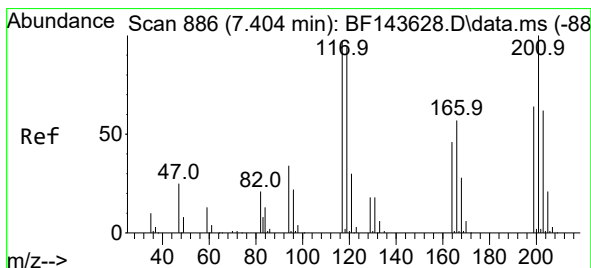
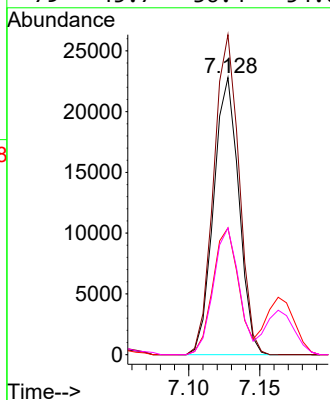
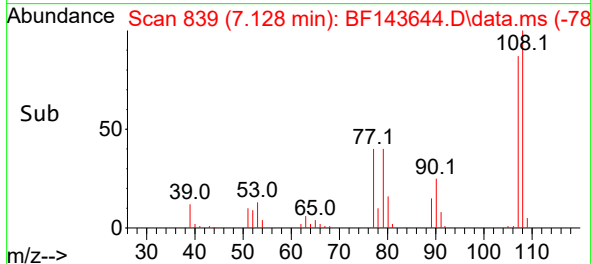
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025



Tgt Ion:107 Resp: 2815
Ion Ratio Lower Upper
107 100
108 115.5 90.5 135.7
77 45.7 35.9 53.9
79 45.7 36.4 54.6

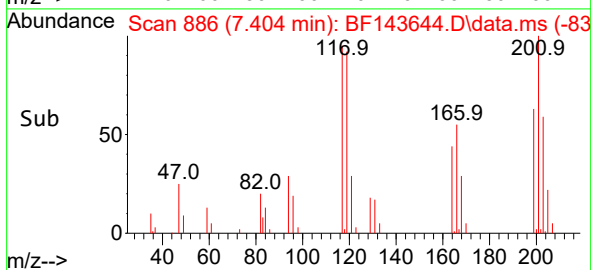
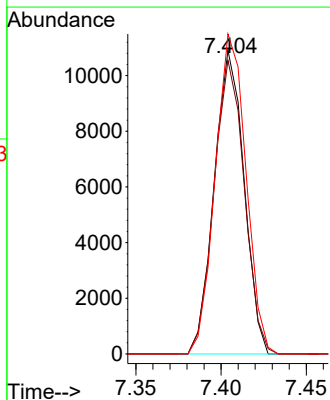
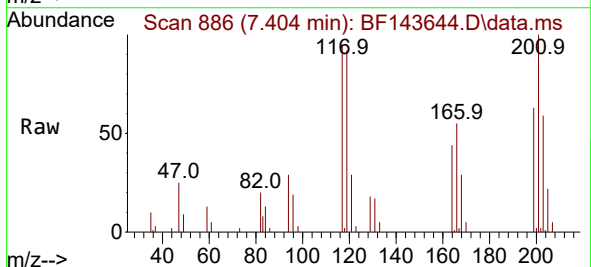
Manual Integrations
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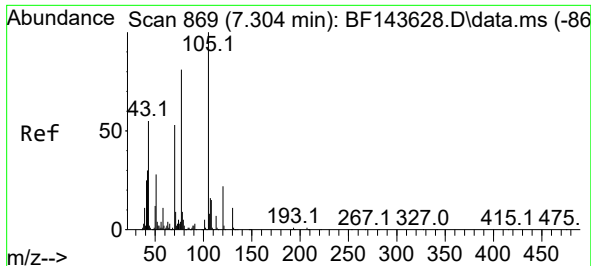
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#18
Hexachloroethane
Concen: 7.994 ng
RT: 7.404 min Scan# 886
Delta R.T. -0.000 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

Tgt Ion:117 Resp: 13275
Ion Ratio Lower Upper
117 100
119 96.7 77.7 116.5
201 105.4 82.7 124.1





#19

n-Nitroso-di-n-propylamine

Concen: 7.930 ng

RT: 7.292 min Scan# 867

Delta R.T. -0.012 min

Lab File: BF143644.D

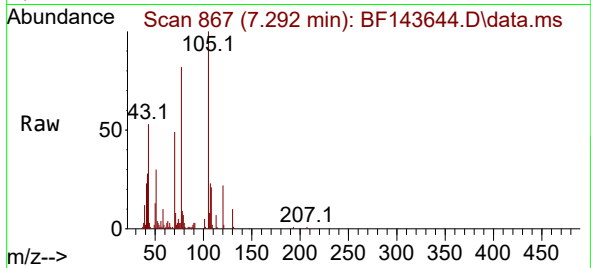
Acq: 04 Sep 2025 15:12

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025



Tgt Ion: 70 Resp: 2602

Ion Ratio Lower Upper

70 100

42 57.6 45.2 67.8

101 11.0 7.6 11.4

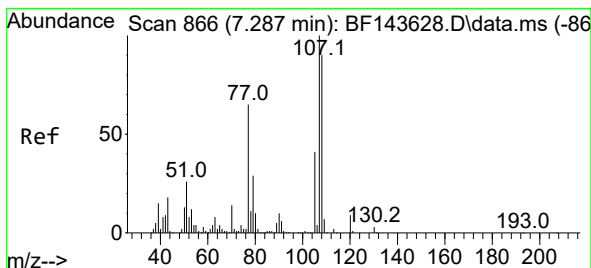
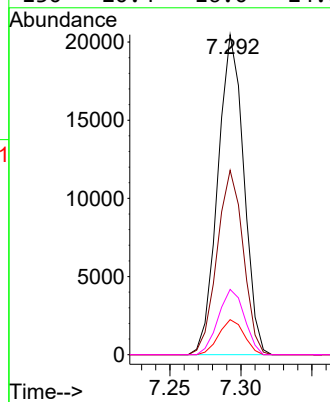
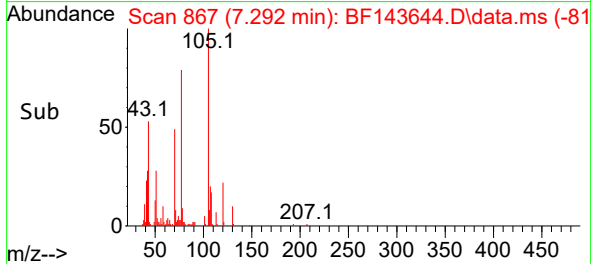
130 20.4 16.0 24.0

Manual Integrations

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Reviewed By :Rahul Chavli 09/05/2025

Supervised By :Jagrut Upadhyay 09/05/2025



#20

3+4-Methylphenols

Concen: 7.961 ng

RT: 7.281 min Scan# 865

Delta R.T. -0.006 min

Lab File: BF143644.D

Acq: 04 Sep 2025 15:12

Tgt Ion:107 Resp: 37681

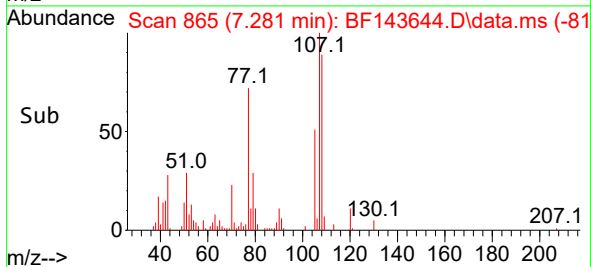
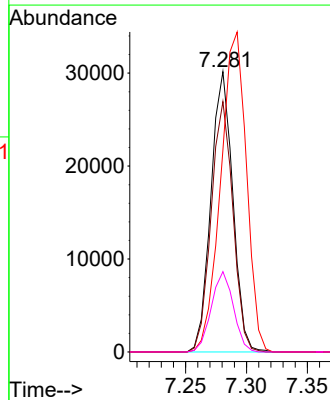
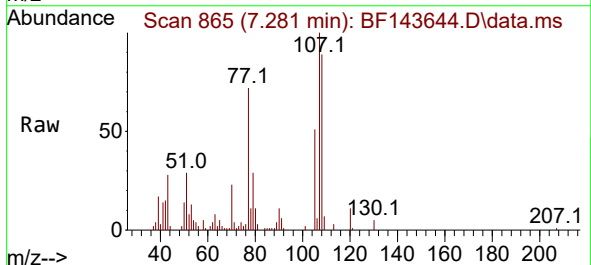
Ion Ratio Lower Upper

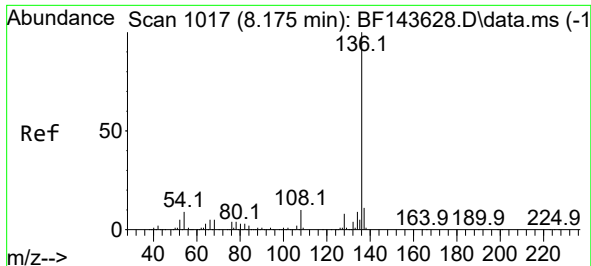
107 100

108 89.3 69.6 109.6

77 72.0 45.5 85.5

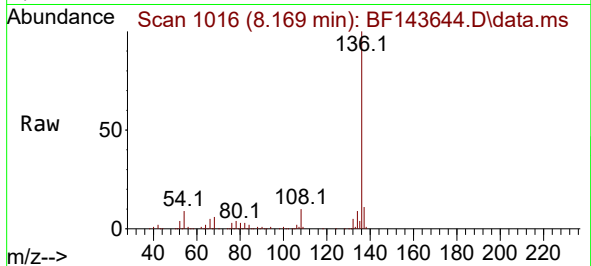
79 28.6 9.0 49.0





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

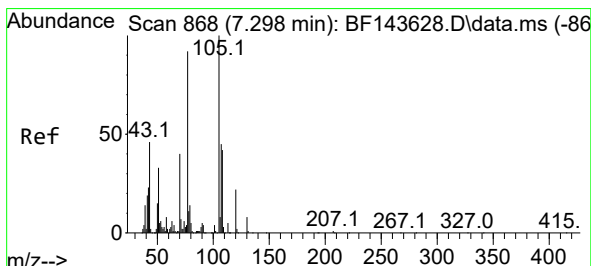
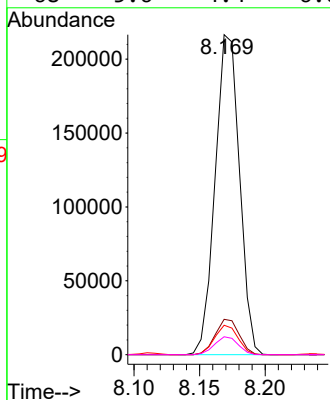
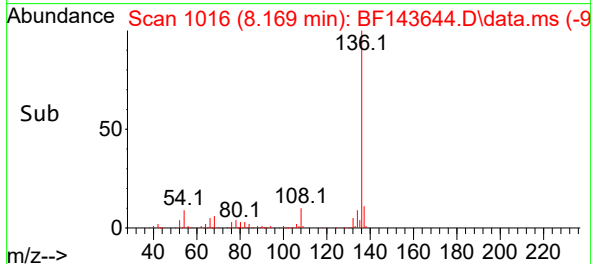
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025



Tgt Ion:136 Resp: 279439
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 9.2 7.3 10.9
68 5.6 4.4 6.6

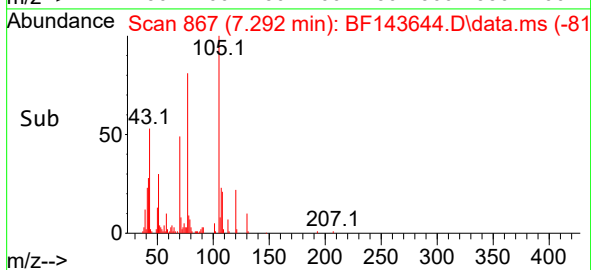
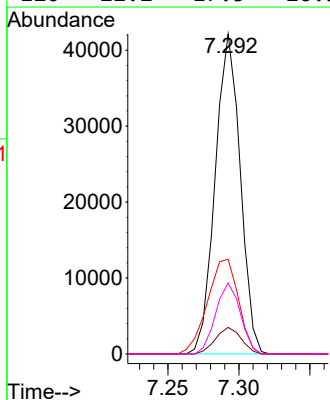
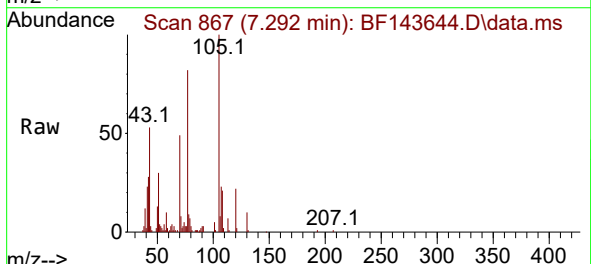
Manual Integrations
APPROVED

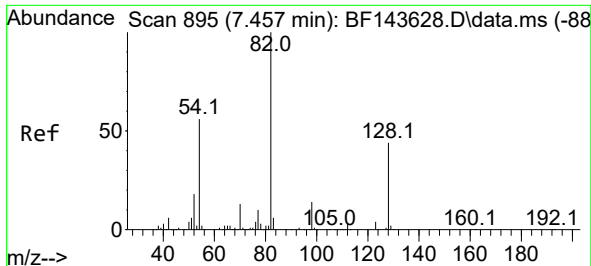
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#22
Acetophenone
Concen: 8.165 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

Tgt Ion:105 Resp: 51598
Ion Ratio Lower Upper
105 100
71 8.3 5.3 7.9#
51 29.6 26.7 40.1
120 22.2 17.5 26.3





#23

Nitrobenzene-d5

Concen: 98.773 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.006 min

Lab File: BF143644.D

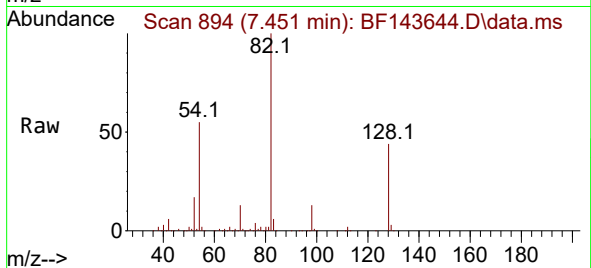
Acq: 04 Sep 2025 15:12

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025



Tgt Ion: 82 Resp: 392708

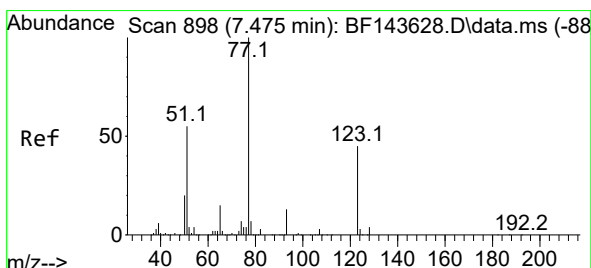
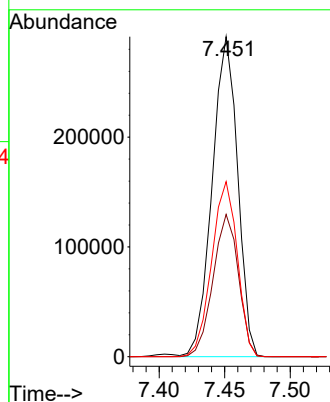
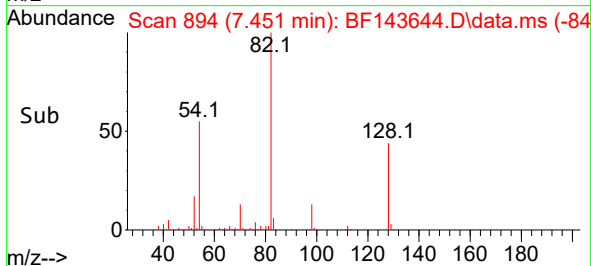
Ion	Ratio	Lower	Upper
82	100		
128	44.5	34.7	52.1
54	54.7	44.8	67.2

Manual Integrations

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Reviewed By :Rahul Chavli 09/05/2025

Supervised By :Jagrut Upadhyay 09/05/2025



#24

Nitrobenzene

Concen: 8.646 ng

RT: 7.469 min Scan# 897

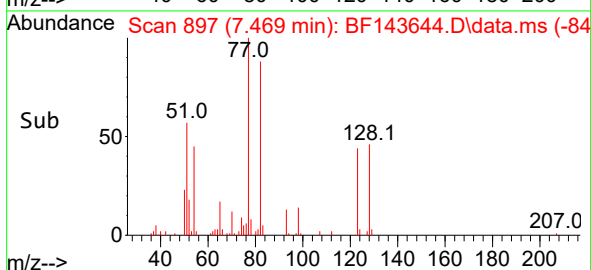
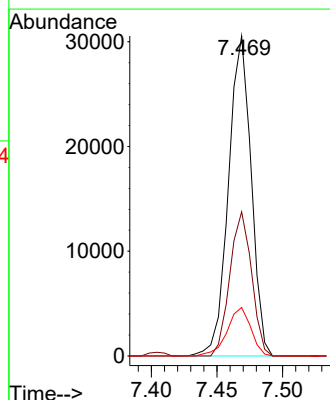
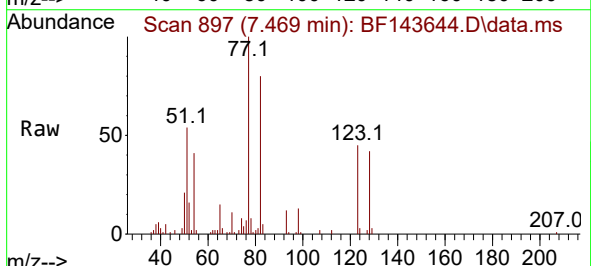
Delta R.T. -0.006 min

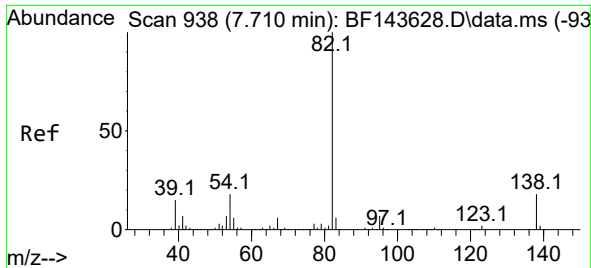
Lab File: BF143644.D

Acq: 04 Sep 2025 15:12

Tgt Ion: 77 Resp: 36755

Ion	Ratio	Lower	Upper
77	100		
123	45.1	36.2	54.4
65	15.1	11.8	17.8





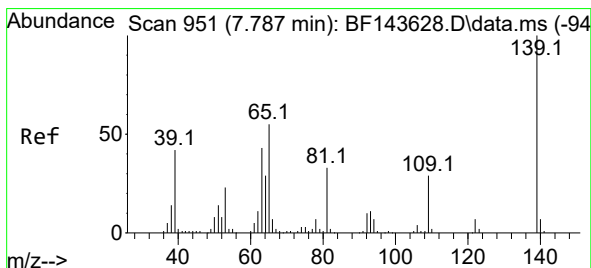
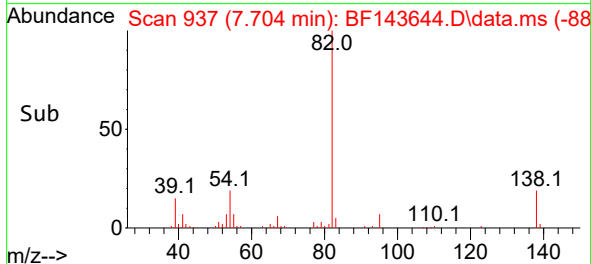
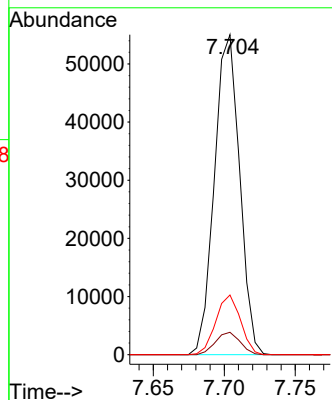
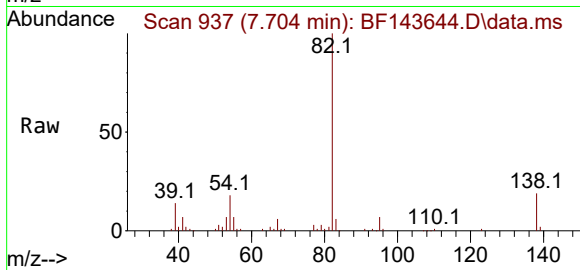
#25
Isophorone
Concen: 7.578 ng
RT: 7.704 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 82 Resp: 67890
Ion Ratio Lower Upper
82 100
95 7.0 5.8 8.8
138 18.6 14.2 21.2

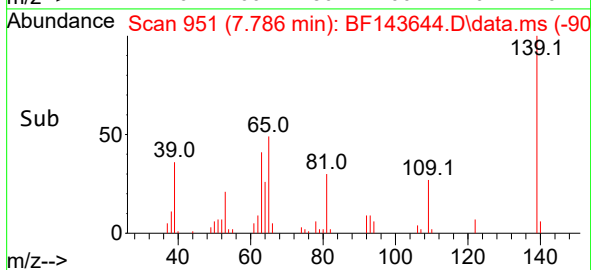
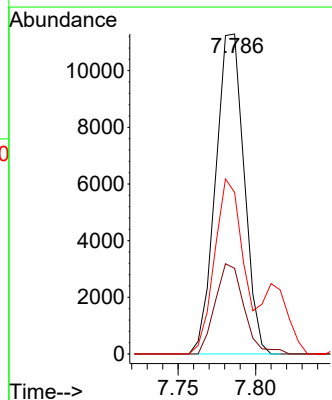
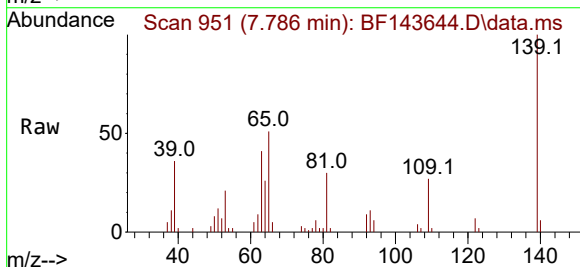
Manual Integrations
APPROVED

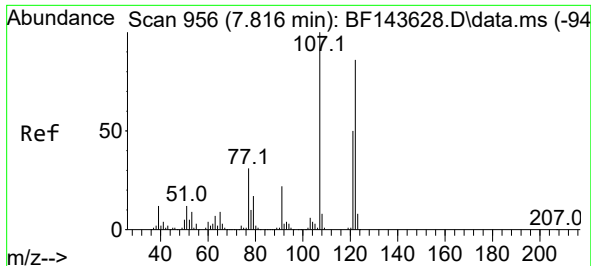
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#26
2-Nitrophenol
Concen: 12.048 ng
RT: 7.786 min Scan# 951
Delta R.T. -0.001 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

Tgt Ion:139 Resp: 14470
Ion Ratio Lower Upper
139 100
109 26.8 23.5 35.3
65 50.5 44.1 66.1





#27

2,4-Dimethylphenol

Concen: 8.942 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF143644.D

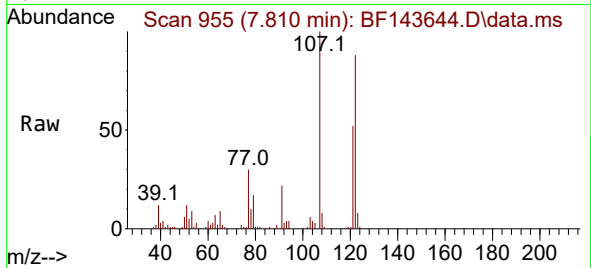
Acq: 04 Sep 2025 15:12

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025



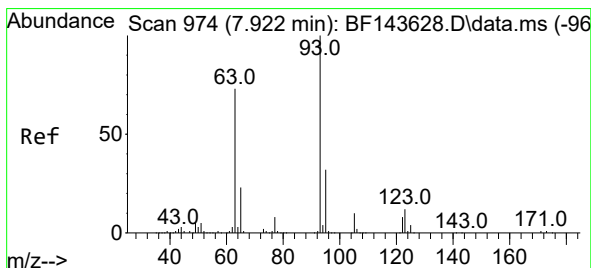
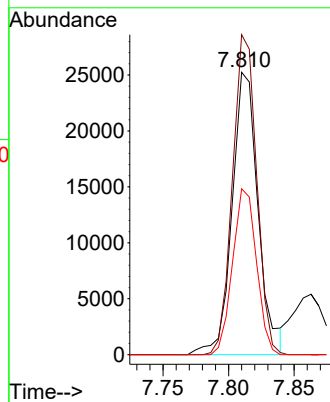
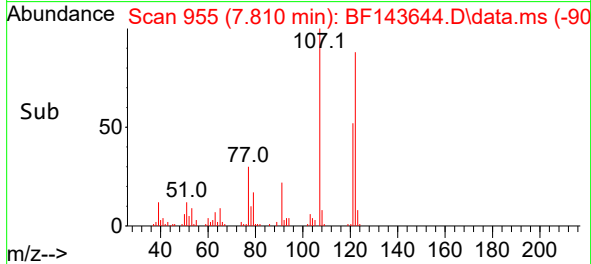
Tgt Ion:	122	Resp:	3488
Ion	Ratio	Lower	Upper
122	100		
107	113.3	93.4	140.0
121	58.8	46.9	70.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/05/2025

Supervised By :Jagrut Upadhyay 09/05/2025



#28

bis(2-Chloroethoxy)methane

Concen: 7.832 ng

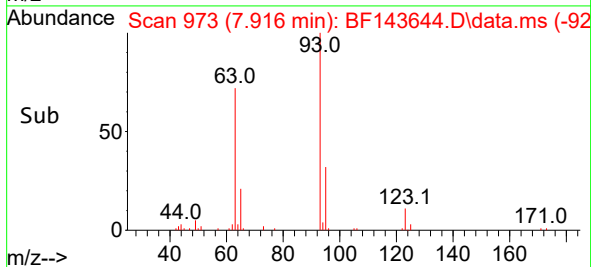
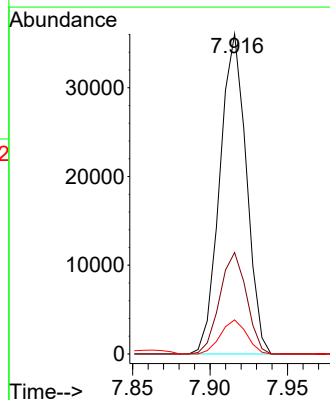
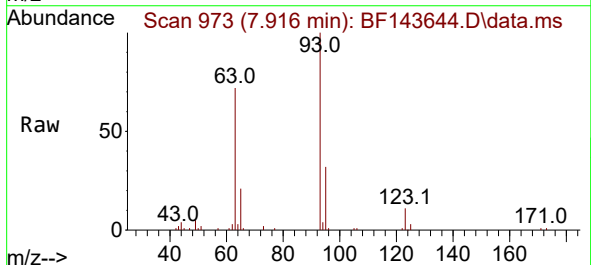
RT: 7.916 min Scan# 973

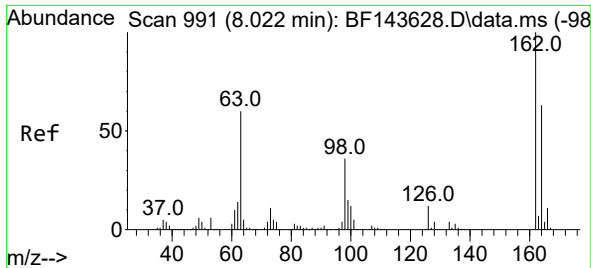
Delta R.T. -0.006 min

Lab File: BF143644.D

Acq: 04 Sep 2025 15:12

Tgt Ion:	93	Resp:	42900
Ion	Ratio	Lower	Upper
93	100		
95	31.7	25.8	38.8
123	10.6	9.6	14.4





#29

2,4-Dichlorophenol

Concen: 7.870 ng

RT: 8.016 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF143644.D

Acq: 04 Sep 2025 15:12

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

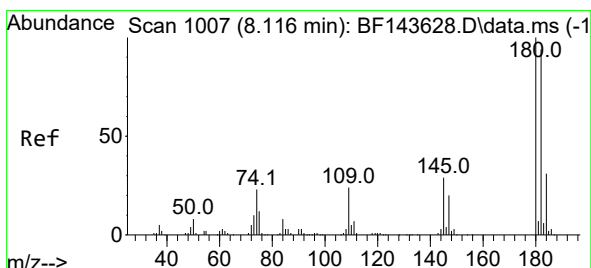
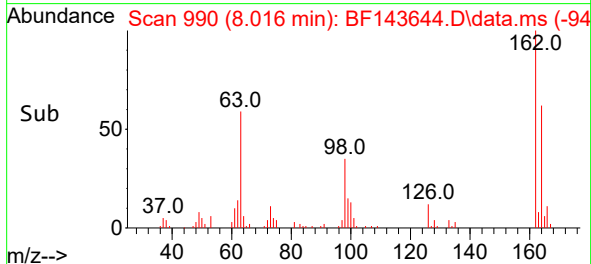
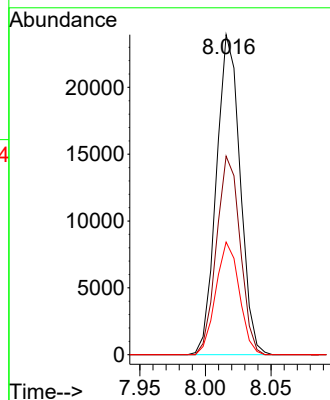
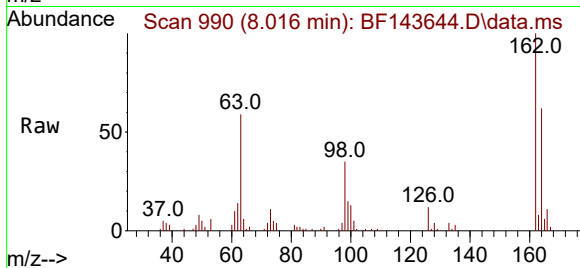
Tgt Ion:162	Resp:	30120
Ion Ratio	Lower	Upper
162	100	
164	62.0	42.9 82.9
98	35.2	15.9 55.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/05/2025

Supervised By :Jagrut Upadhyay 09/05/2025



#30

1,2,4-Trichlorobenzene

Concen: 8.244 ng

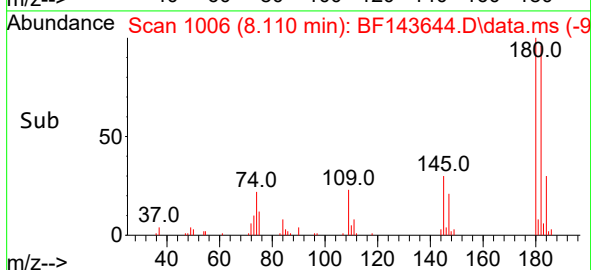
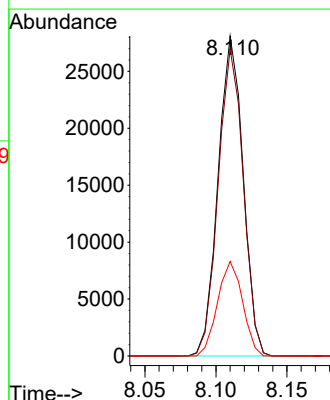
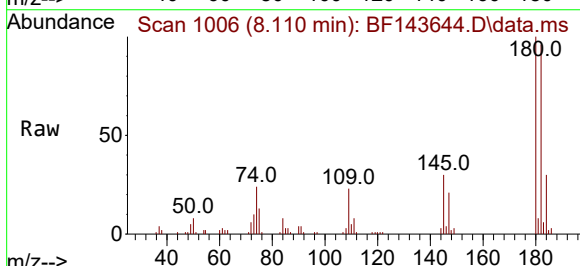
RT: 8.110 min Scan# 1006

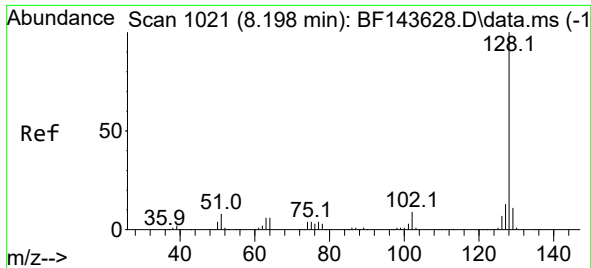
Delta R.T. -0.006 min

Lab File: BF143644.D

Acq: 04 Sep 2025 15:12

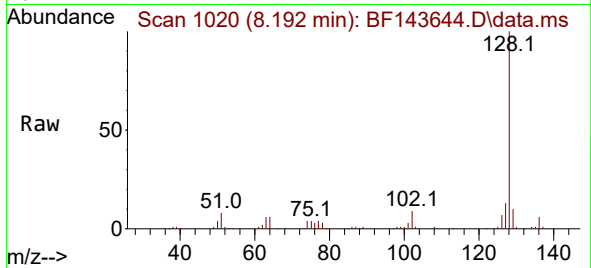
Tgt Ion:180	Resp:	34391
Ion Ratio	Lower	Upper
180	100	
182	96.0	75.2 112.8
145	29.6	23.6 35.4





#31
Naphthalene
Concen: 7.924 ng
RT: 8.192 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

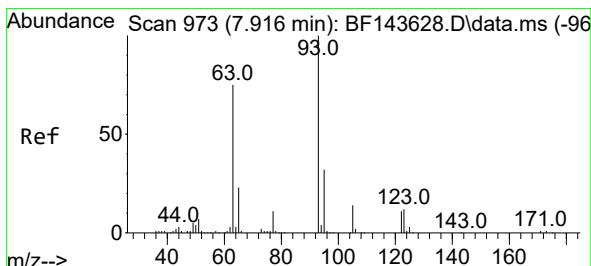
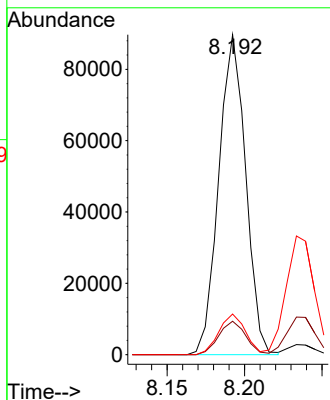
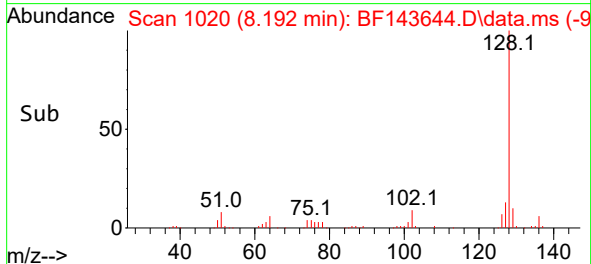
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025



Tgt Ion:128 Resp: 10830
Ion Ratio Lower Upper
128 100
129 10.5 9.0 13.6
127 12.7 10.6 16.0

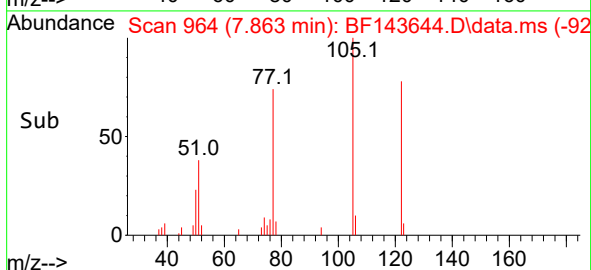
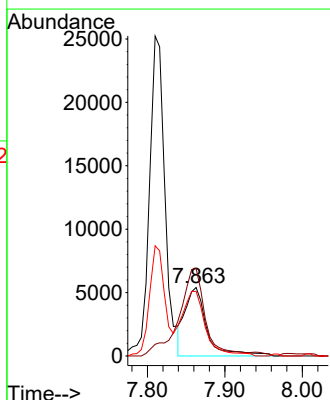
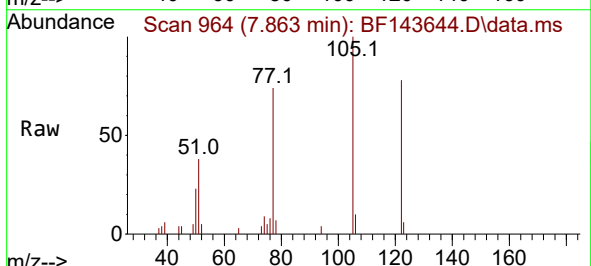
Manual Integrations
APPROVED

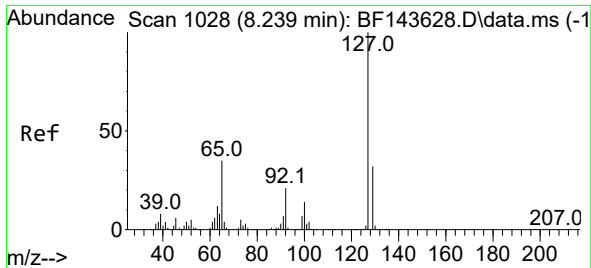
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#32
Benzoic acid
Concen: 11.286 ng
RT: 7.863 min Scan# 964
Delta R.T. -0.053 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

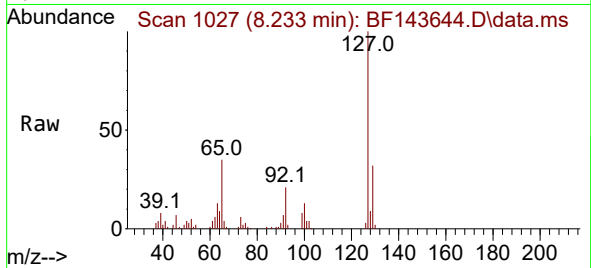
Tgt Ion:122 Resp: 10584
Ion Ratio Lower Upper
122 100
105 127.7 105.9 145.9
77 94.3 78.6 118.6





#33
4-Chloroaniline
Concen: 8.838 ng
RT: 8.233 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

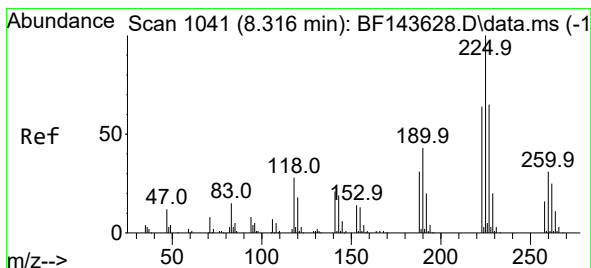
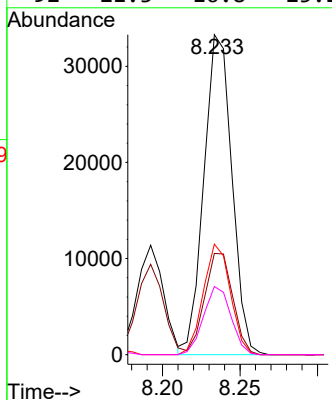
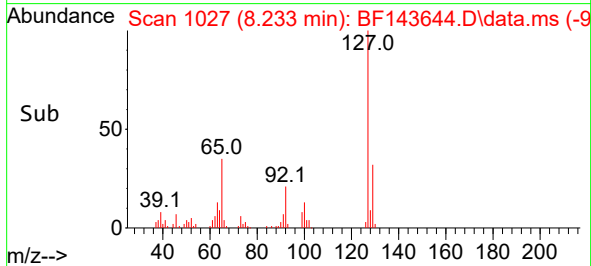
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025



Tgt Ion:	127	Resp:	41829
Ion Ratio	Lower	Upper	
127	100		
129	31.7	26.2	39.2
65	34.6	27.6	41.4
92	21.3	16.8	25.2

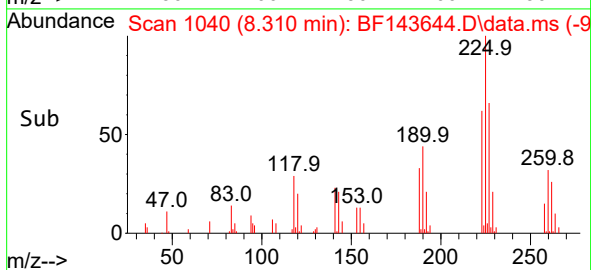
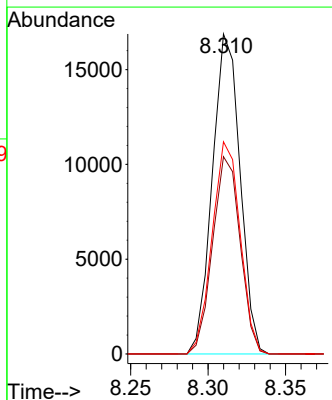
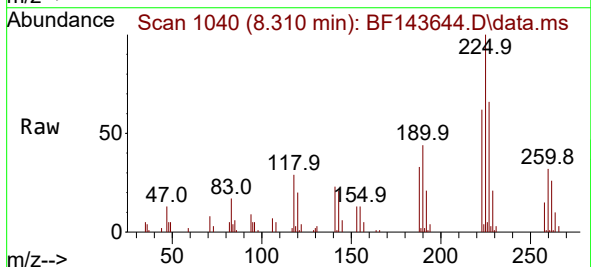
Manual Integrations
APPROVED

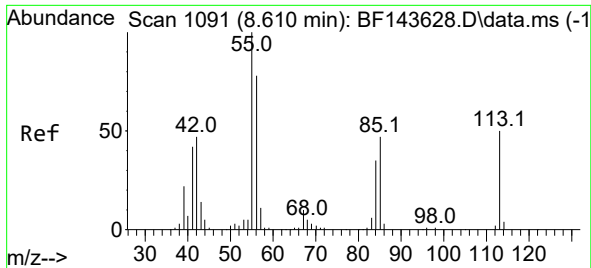
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#34
Hexachlorobutadiene
Concen: 7.726 ng
RT: 8.310 min Scan# 1040
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

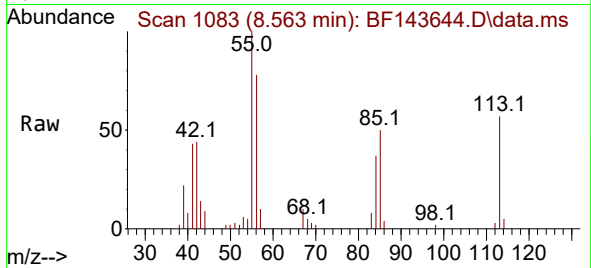
Tgt Ion:	225	Resp:	20963
Ion Ratio	Lower	Upper	
225	100		
223	61.7	51.3	76.9
227	66.3	51.7	77.5





#35
 Caprolactam
 Concen: 7.117 ng
 RT: 8.563 min Scan# 1107
 Delta R.T. -0.047 min
 Lab File: BF143644.D
 Acq: 04 Sep 2025 15:12

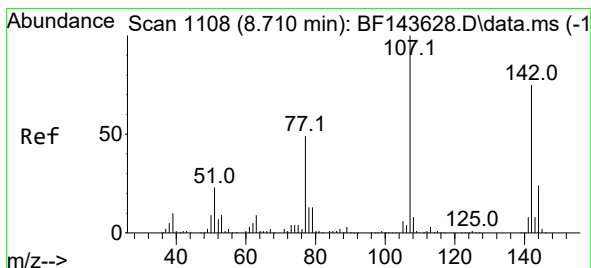
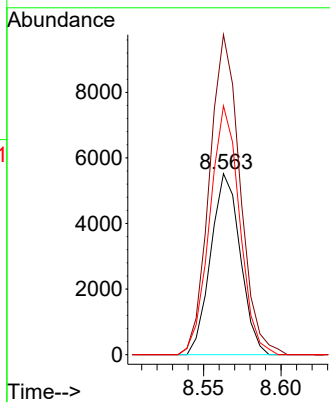
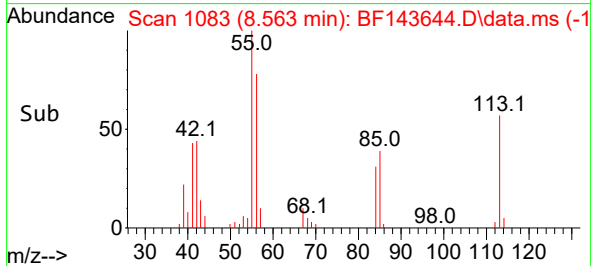
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025



Tgt Ion:113 Resp: 7300
 Ion Ratio Lower Upper
 113 100
 55 176.8 180.5 220.5
 56 137.5 134.8 174.8

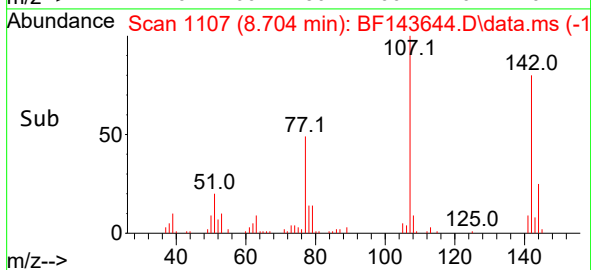
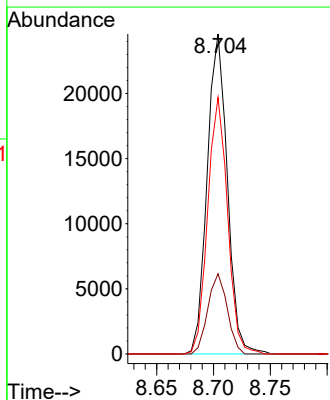
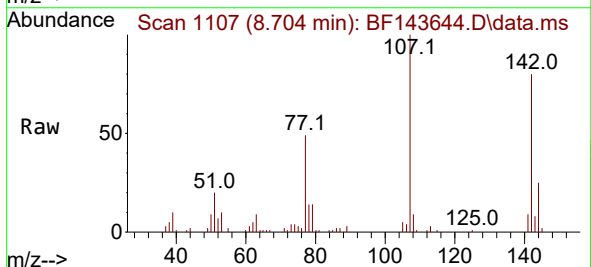
Manual Integrations
 APPROVED

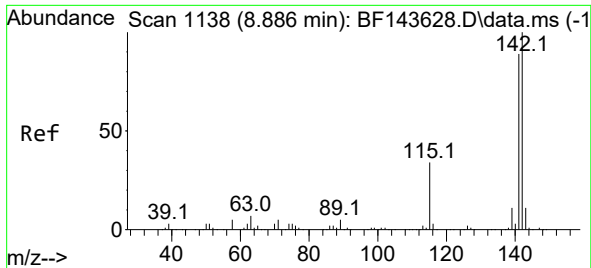
Reviewed By :Rahul Chavli 09/05/2025
 Supervised By :Jagrut Upadhyay 09/05/2025



#36
 4-Chloro-3-methylphenol
 Concen: 7.579 ng
 RT: 8.704 min Scan# 1107
 Delta R.T. -0.006 min
 Lab File: BF143644.D
 Acq: 04 Sep 2025 15:12

Tgt Ion:107 Resp: 30377
 Ion Ratio Lower Upper
 107 100
 144 25.0 19.0 28.6
 142 80.2 60.3 90.5





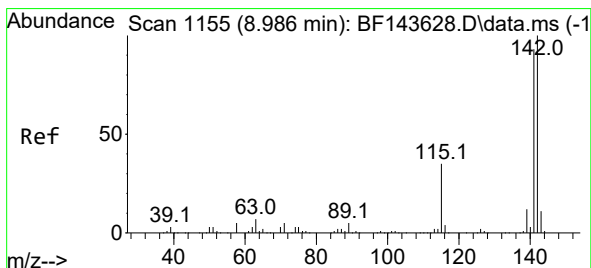
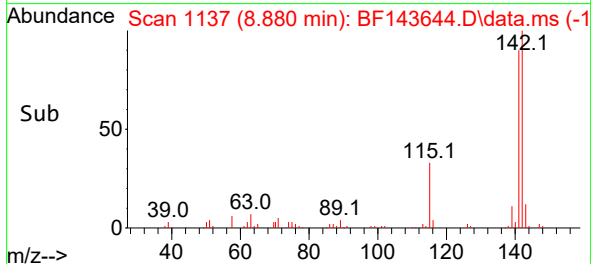
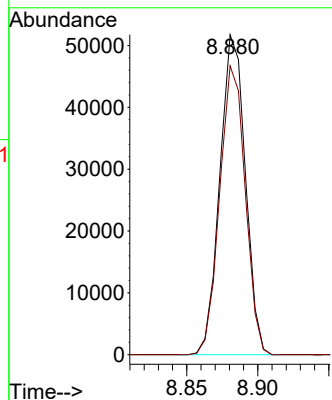
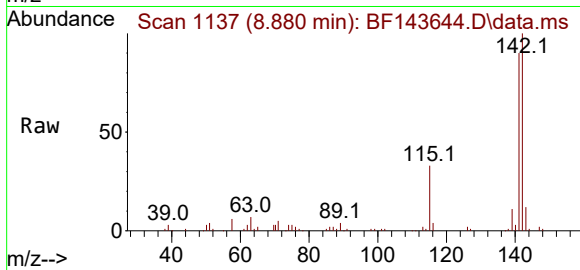
#37
2-Methylnaphthalene
Concen: 6.979 ng
RT: 8.880 min Scan# 1138
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion:142 Resp: 6452
Ion Ratio Lower Upper
142 100
141 90.2 70.8 106.2

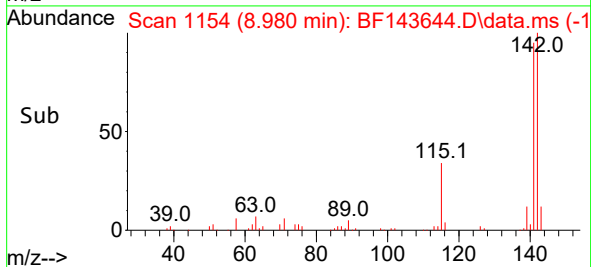
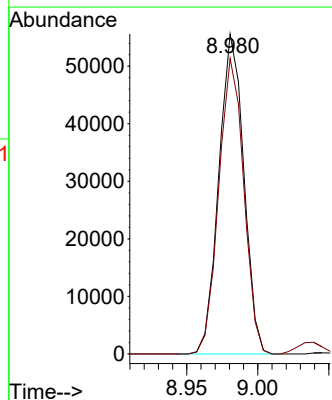
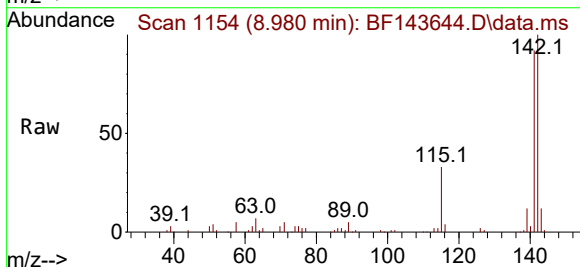
Manual Integrations
APPROVED

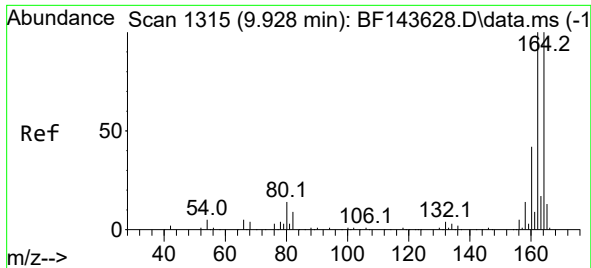
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#38
1-Methylnaphthalene
Concen: 7.676 ng
RT: 8.980 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

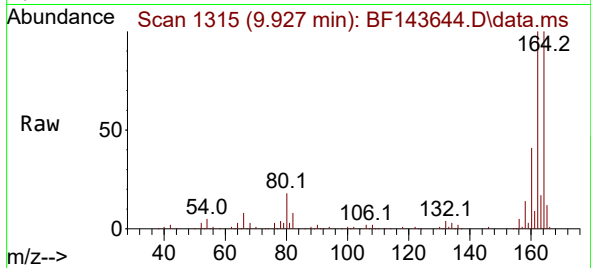
Tgt Ion:142 Resp: 67849
Ion Ratio Lower Upper
142 100
141 92.4 74.5 111.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1165
Delta R.T. -0.001 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

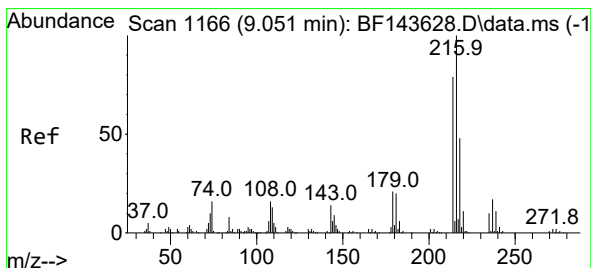
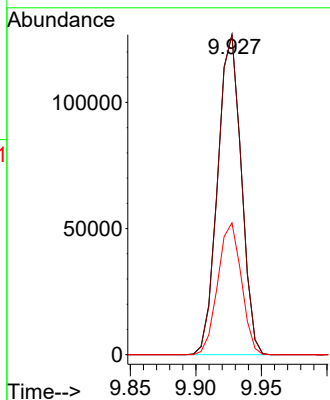
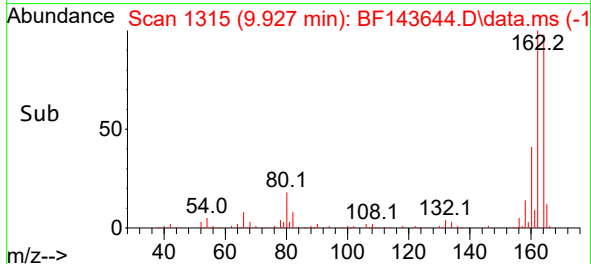
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025



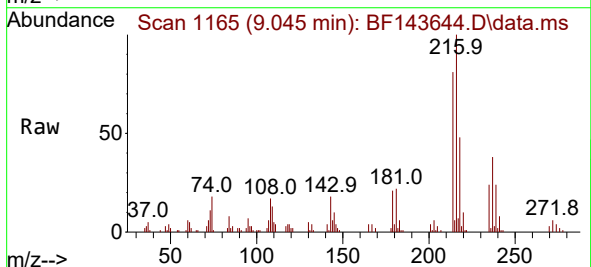
Tgt Ion:164 Resp: 158599
Ion Ratio Lower Upper
164 100
162 100.1 80.3 120.5
160 41.3 34.0 51.0

Manual Integrations
APPROVED

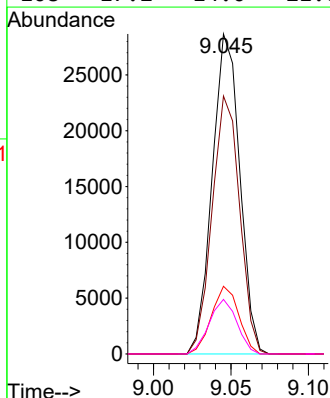
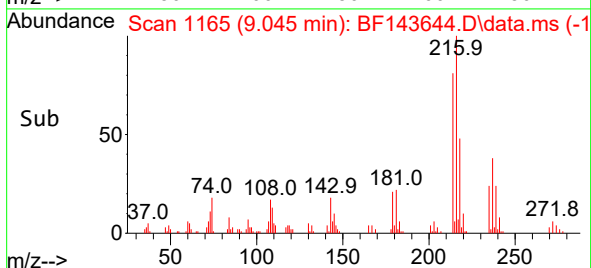
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025

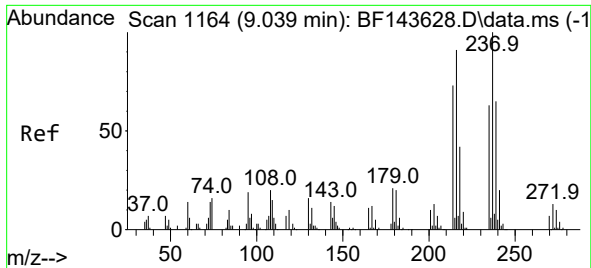


#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.079 ng
RT: 9.045 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12



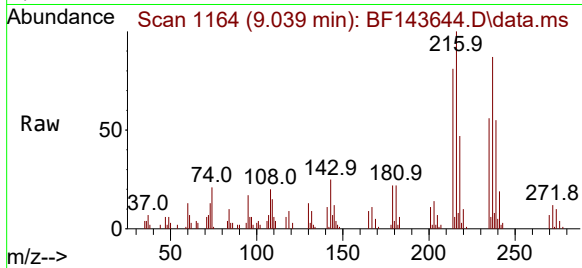
Tgt Ion:216 Resp: 35413
Ion Ratio Lower Upper
216 100
214 80.5 63.3 94.9
179 21.0 17.2 25.8
108 17.2 14.0 21.0





#41
Hexachlorocyclopentadiene
Concen: 9.491 ng
RT: 9.039 min Scan# 1164
Delta R.T. -0.000 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

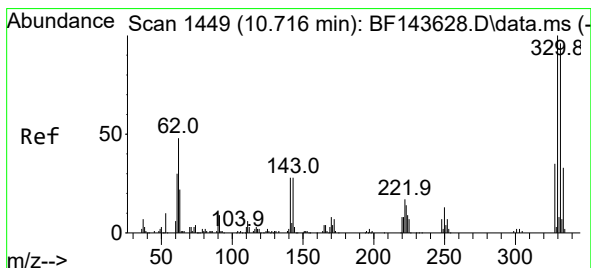
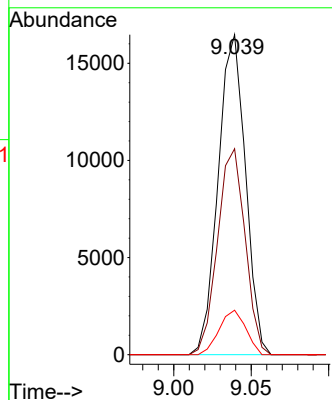
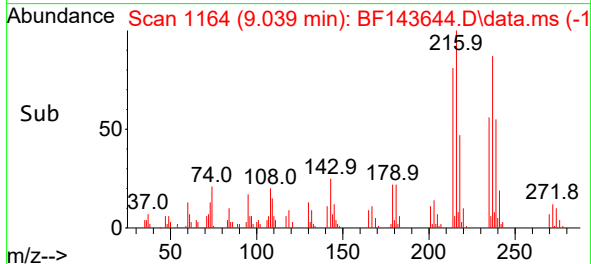
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025



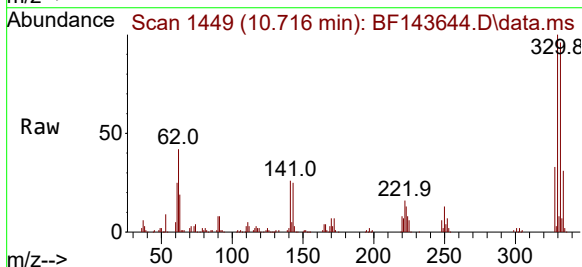
Tgt Ion: 237 Resp: 2020
Ion Ratio Lower Upper
237 100
235 64.4 43.0 83.0
272 13.9 0.0 32.9

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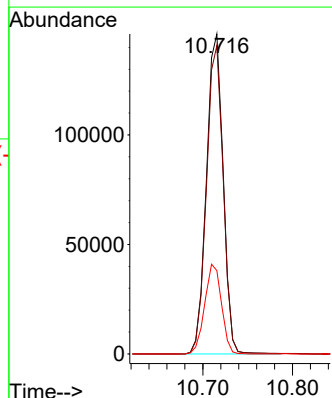
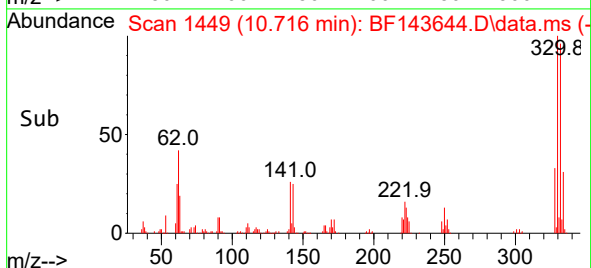
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025

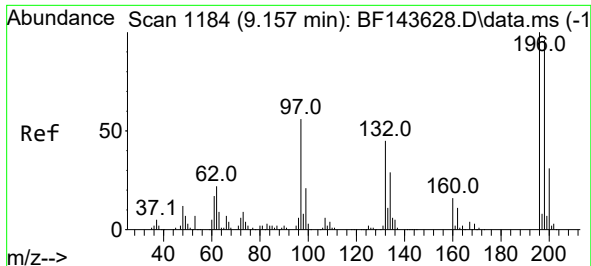


#42
2,4,6-Tribromophenol
Concen: 142.618 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12



Tgt Ion: 330 Resp: 189146
Ion Ratio Lower Upper
330 100
332 96.4 77.0 115.6
141 28.1 23.5 35.3





#43

2,4,6-Trichlorophenol

Concen: 7.727 ng

RT: 9.157 min Scan# 1184

Delta R.T. -0.000 min

Lab File: BF143644.D

Acq: 04 Sep 2025 15:12

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

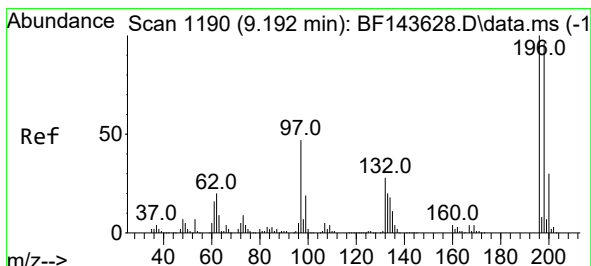
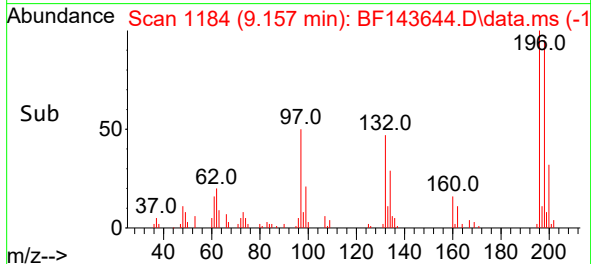
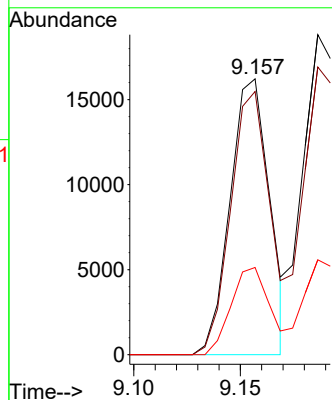
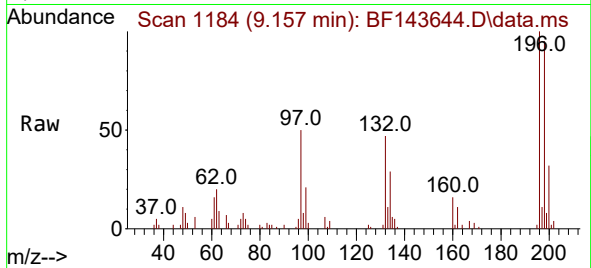
Tgt Ion:196	Resp:	2086	
Ion Ratio	Lower	Upper	
196	100		
198	95.4	77.1	115.7
200	31.6	24.7	37.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/05/2025

Supervised By :Jagrut Upadhyay 09/05/2025



#44

2,4,5-Trichlorophenol

Concen: 8.652 ng

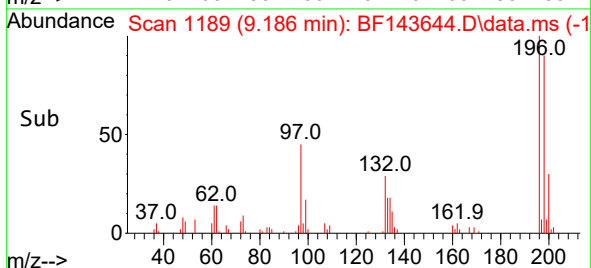
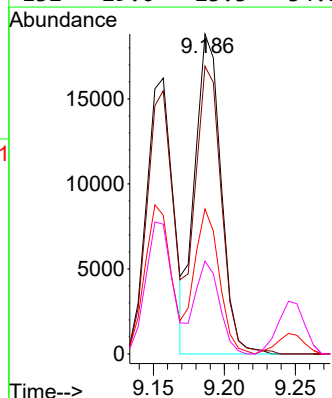
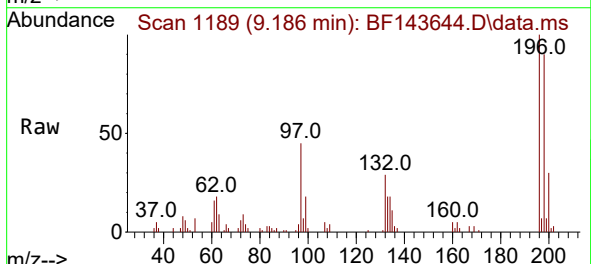
RT: 9.186 min Scan# 1189

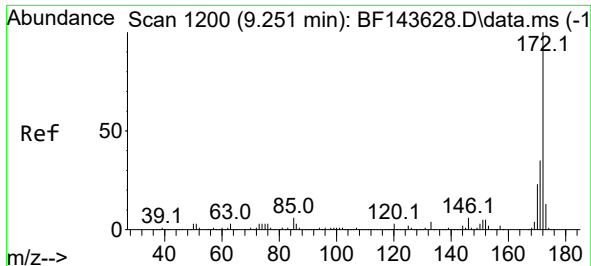
Delta R.T. -0.006 min

Lab File: BF143644.D

Acq: 04 Sep 2025 15:12

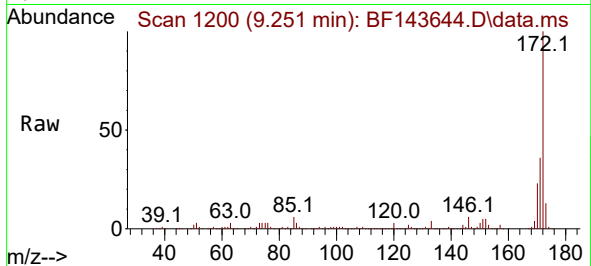
Tgt Ion:196	Resp:	24122	
Ion Ratio	Lower	Upper	
196	100		
198	89.9	76.6	115.0
97	45.3	38.2	57.2
132	29.0	23.3	34.9





#45
2-Fluorobiphenyl
Concen: 85.573 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.000 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

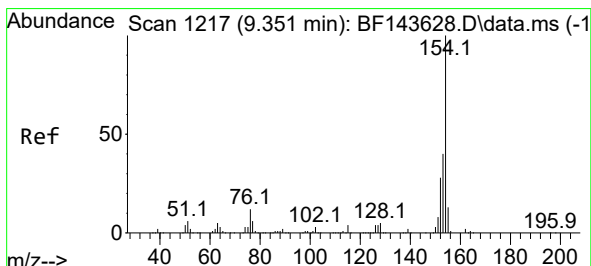
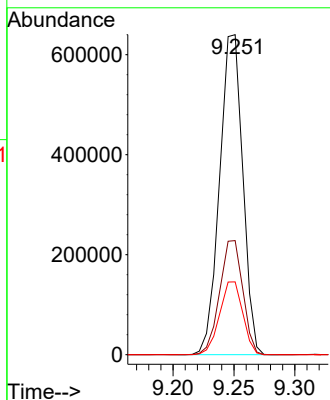
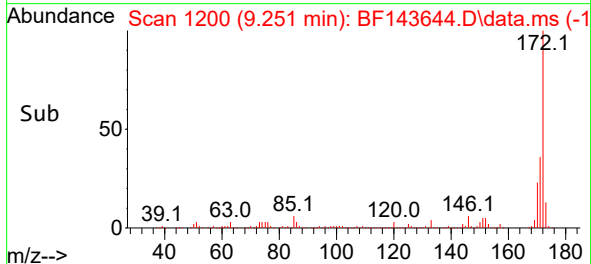
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025



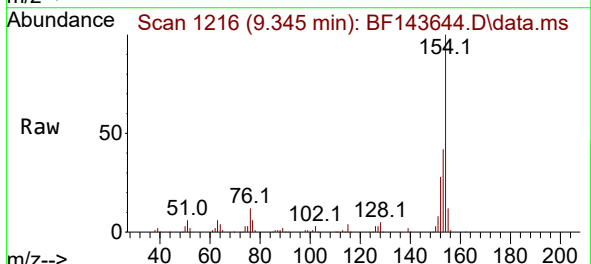
Tgt Ion:172 Resp: 84948
Ion Ratio Lower Upper
172 100
171 35.7 28.1 42.1
170 22.8 18.6 28.0

Manual Integrations
APPROVED

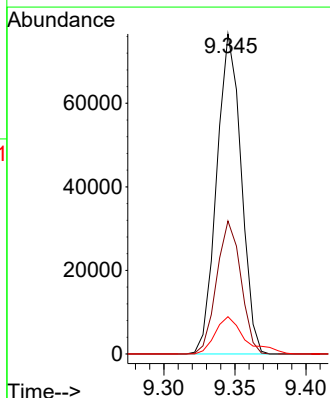
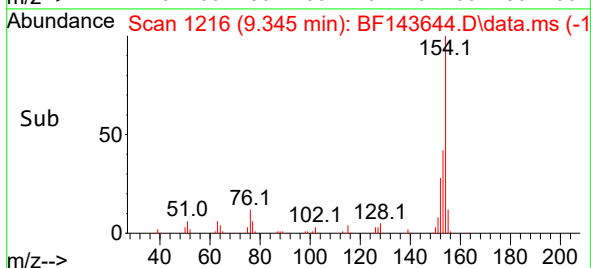
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025

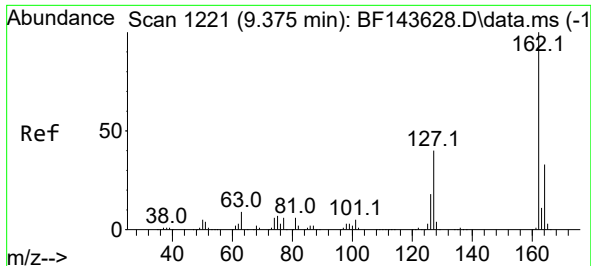


#46
1,1'-Biphenyl
Concen: 8.120 ng
RT: 9.345 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12



Tgt Ion:154 Resp: 91587
Ion Ratio Lower Upper
154 100
153 41.6 20.1 60.1
76 11.7 0.0 31.9





#47

2-Chloronaphthalene

Concen: 8.016 ng

RT: 9.369 min Scan# 1221

Delta R.T. -0.006 min

Lab File: BF143644.D

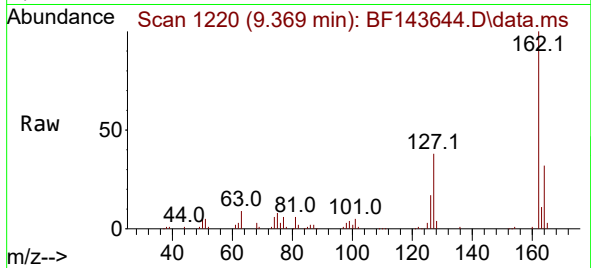
Acq: 04 Sep 2025 15:12

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025



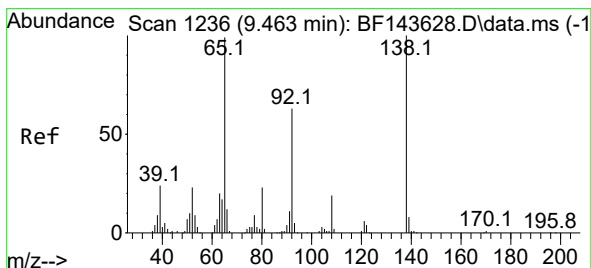
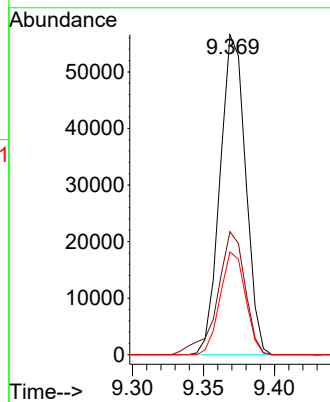
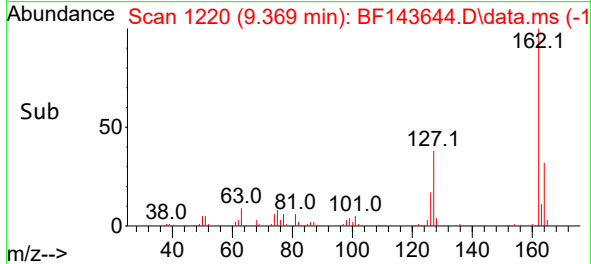
Tgt Ion:	162	Resp:	7075
Ion Ratio	Lower	Upper	
162	100		
127	38.4	31.9	47.9
164	32.1	26.0	39.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/05/2025

Supervised By :Jagrut Upadhyay 09/05/2025



#48

2-Nitroaniline

Concen: 9.613 ng

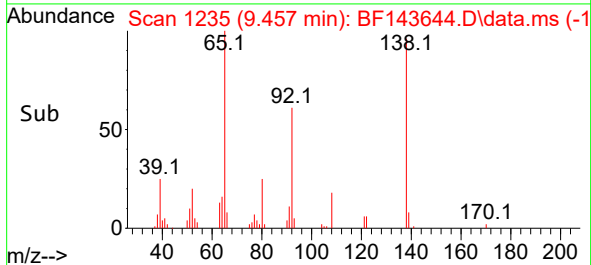
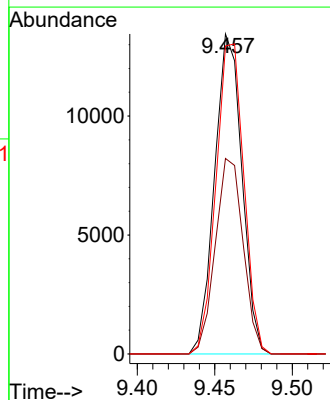
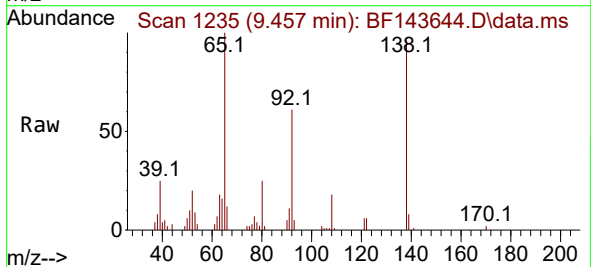
RT: 9.457 min Scan# 1235

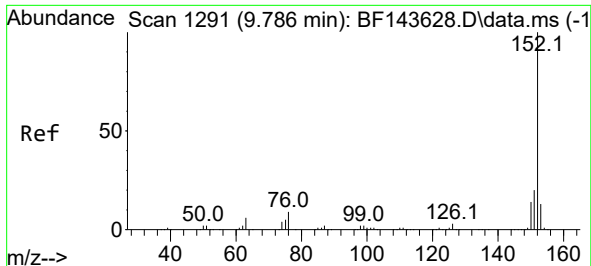
Delta R.T. -0.006 min

Lab File: BF143644.D

Acq: 04 Sep 2025 15:12

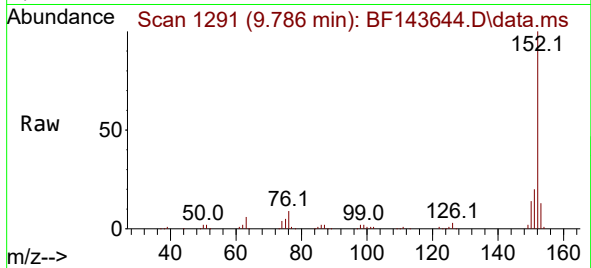
Tgt Ion:	65	Resp:	16507
Ion Ratio	Lower	Upper	
65	100		
92	61.1	50.9	76.3
138	96.2	80.6	120.8





#49
Acenaphthylene
Concen: 8.647 ng
RT: 9.786 min Scan# 1291
Delta R.T. -0.000 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

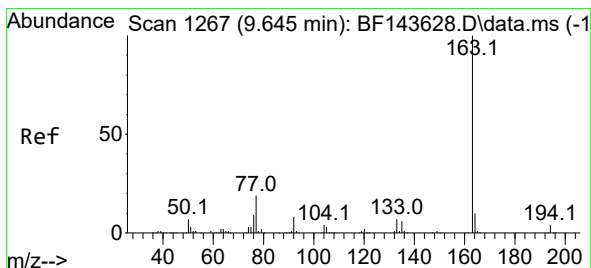
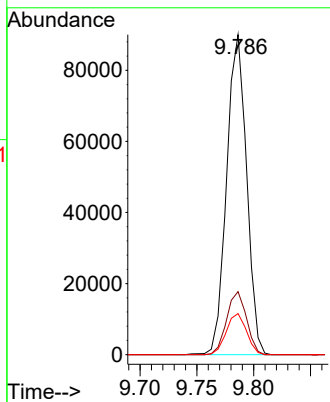
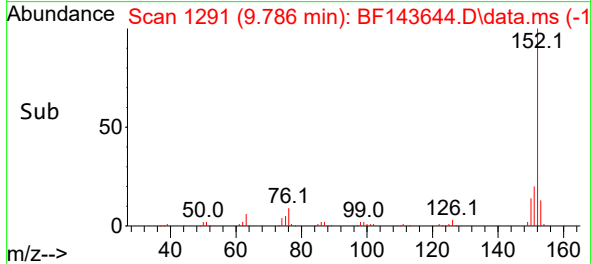
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025



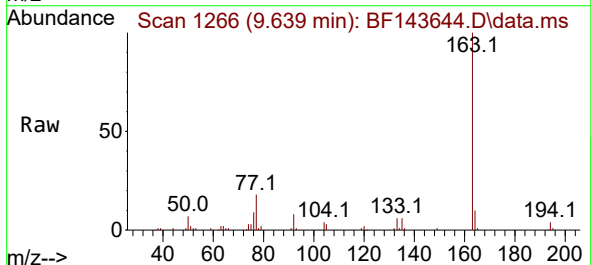
Tgt Ion:152 Resp: 110009
Ion Ratio Lower Upper
152 100
151 19.7 16.1 24.1
153 12.9 10.6 15.8

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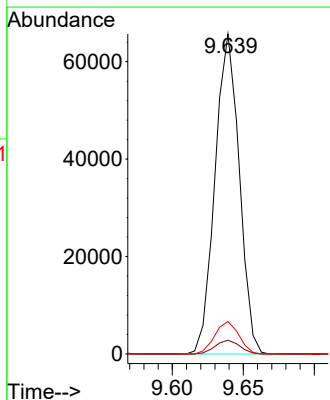
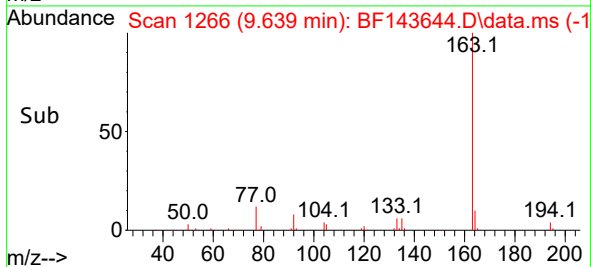
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025

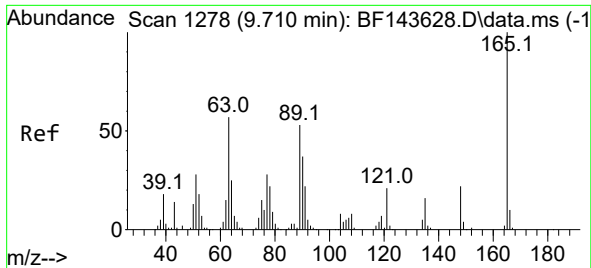


#50
Dimethylphthalate
Concen: 7.754 ng
RT: 9.639 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12



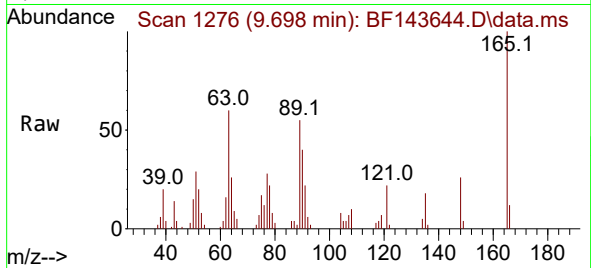
Tgt Ion:163 Resp: 77868
Ion Ratio Lower Upper
163 100
194 4.3 3.1 4.7
164 10.2 8.1 12.1





#51
2,6-Dinitrotoluene
Concen: 10.886 ng
RT: 9.698 min Scan# 1276
Delta R.T. -0.012 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

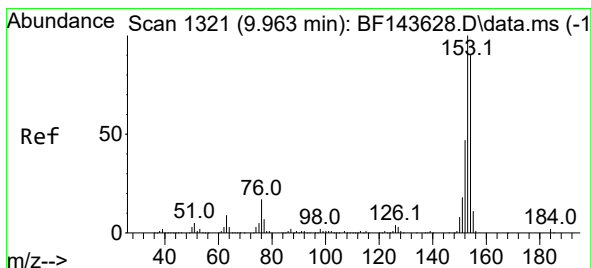
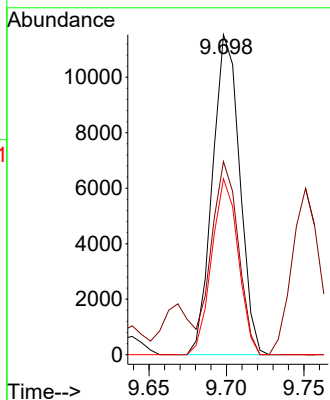
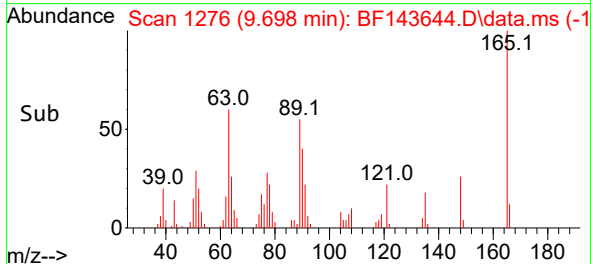
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025



Tgt Ion:165 Resp: 14070
Ion Ratio Lower Upper
165 100
63 60.3 45.4 68.0
89 55.0 42.1 63.1

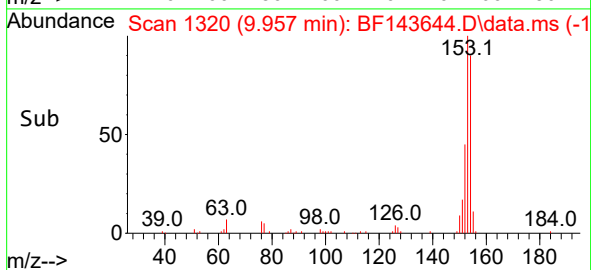
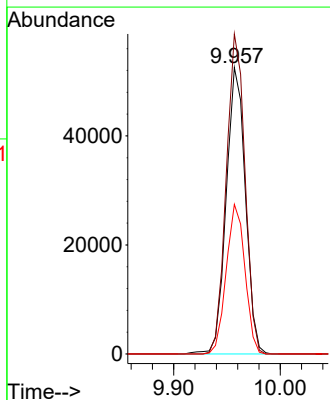
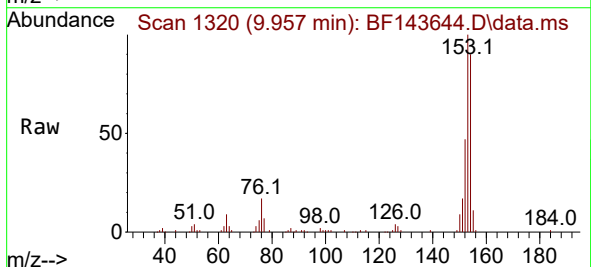
Manual Integrations
APPROVED

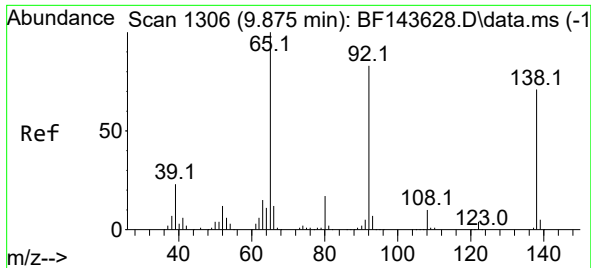
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#52
Acenaphthene
Concen: 7.732 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

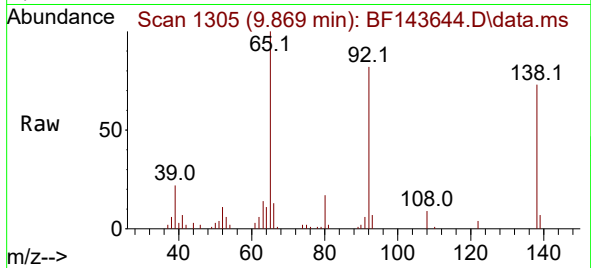
Tgt Ion:154 Resp: 65794
Ion Ratio Lower Upper
154 100
153 111.7 88.6 132.8
152 52.2 41.8 62.8





#53
3-Nitroaniline
Concen: 9.866 ng
RT: 9.869 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

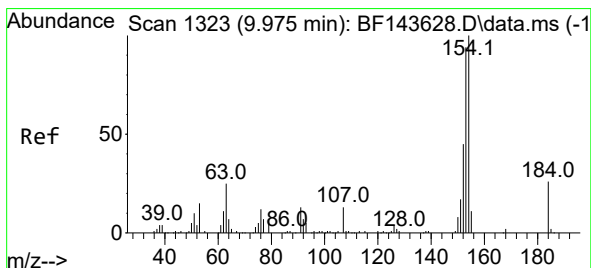
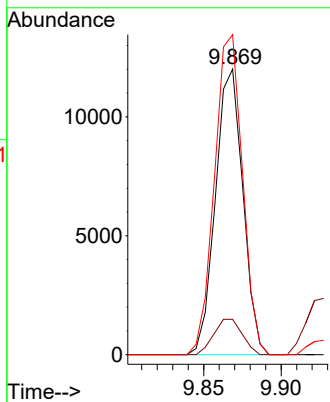
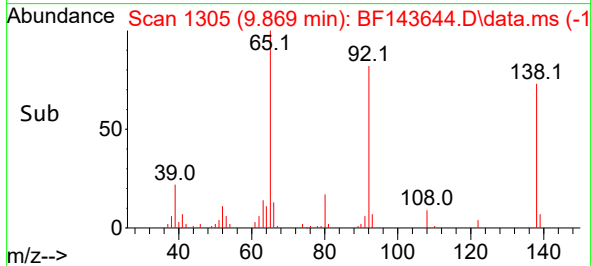
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025



Tgt Ion:138 Resp: 14790
Ion Ratio Lower Upper
138 100
108 12.4 10.7 16.1
92 112.0 93.4 140.2

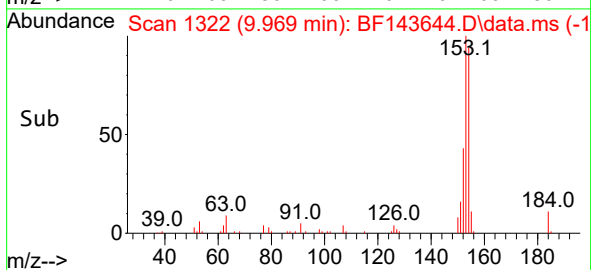
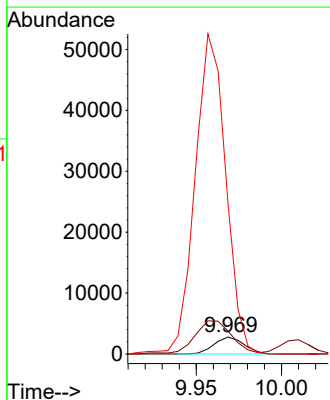
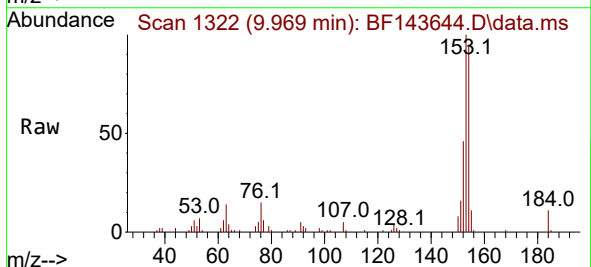
Manual Integrations
APPROVED

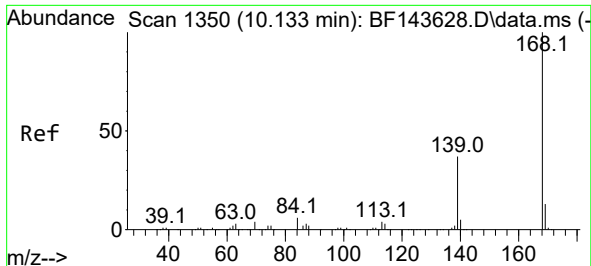
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#54
2,4-Dinitrophenol
Concen: 11.993 ng
RT: 9.969 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

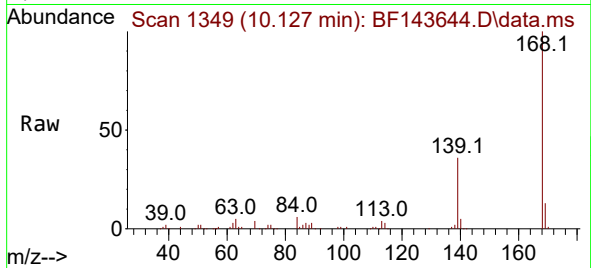
Tgt Ion:184 Resp: 3366
Ion Ratio Lower Upper
184 100
63 133.7 81.8 122.8#
154 880.2 348.3 522.5#





#55
Dibenzenofuran
Concen: 7.921 ng
RT: 10.127 min Scan# 1349
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

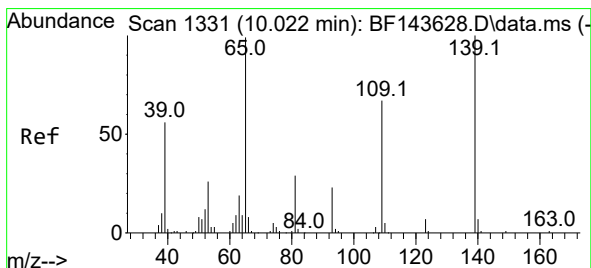
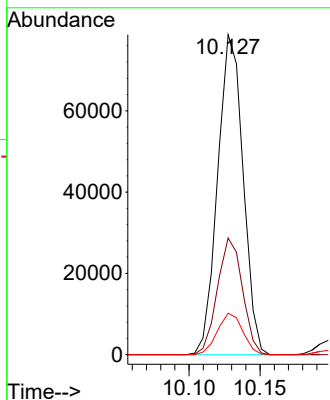
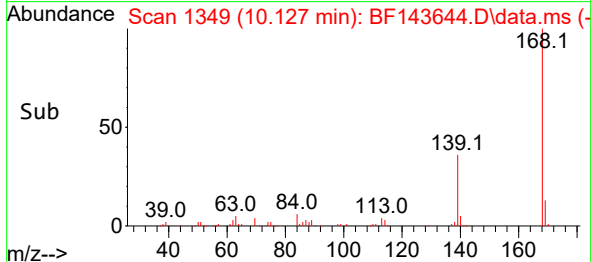
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025



Tgt Ion:168 Resp: 97925
Ion Ratio Lower Upper
168 100
139 36.5 29.8 44.8
169 13.0 10.6 16.0

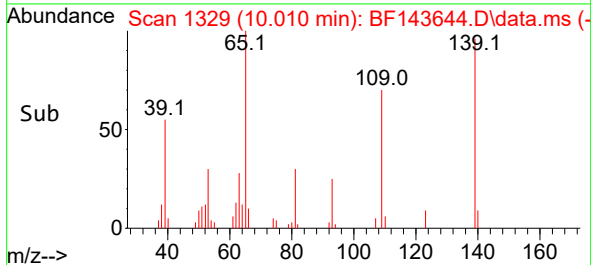
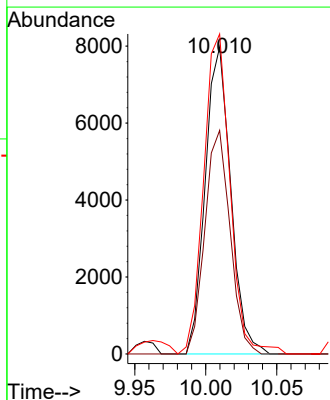
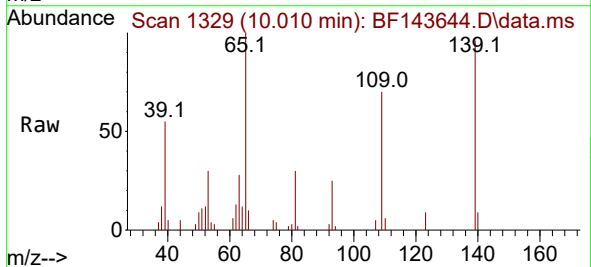
Manual Integrations
APPROVED

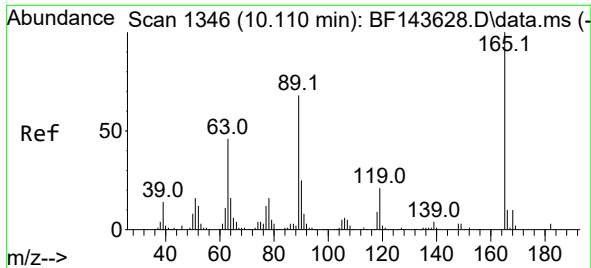
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#56
4-Nitrophenol
Concen: 6.706 ng
RT: 10.010 min Scan# 1329
Delta R.T. -0.012 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

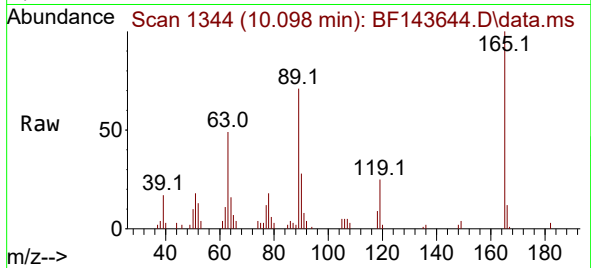
Tgt Ion:139 Resp: 9985
Ion Ratio Lower Upper
139 100
109 72.8 47.6 87.6
65 104.3 80.5 120.5





#57
2,4-Dinitrotoluene
Concen: 9.885 ng
RT: 10.098 min Scan# 1344
Delta R.T. -0.012 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

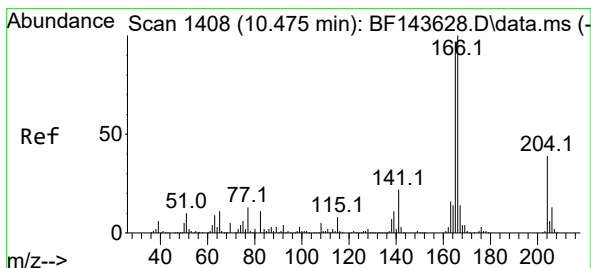
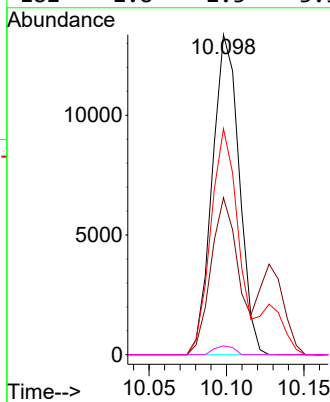
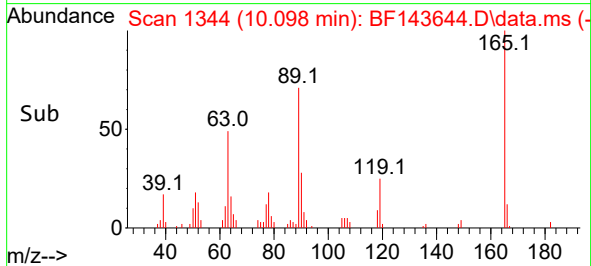
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025



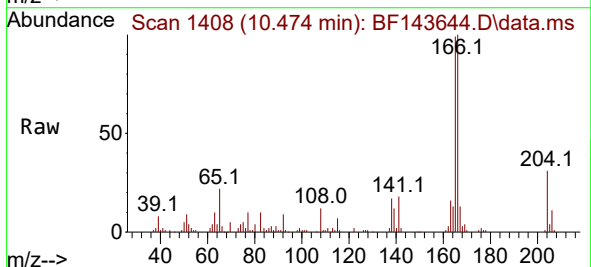
Tgt Ion:165 Resp: 1618
Ion Ratio Lower Upper
165 100
63 49.0 37.0 55.6
89 70.6 54.1 81.1
182 2.8 2.3 3.5

Manual Integrations
APPROVED

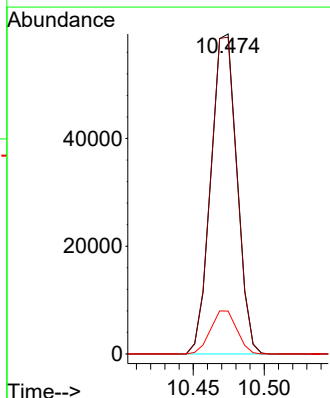
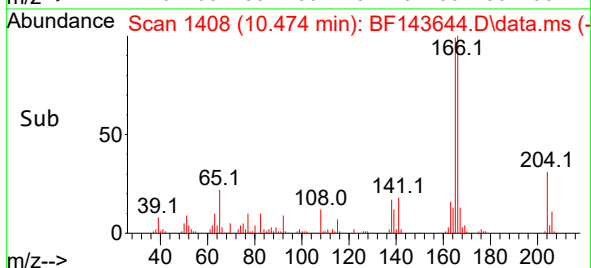
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025

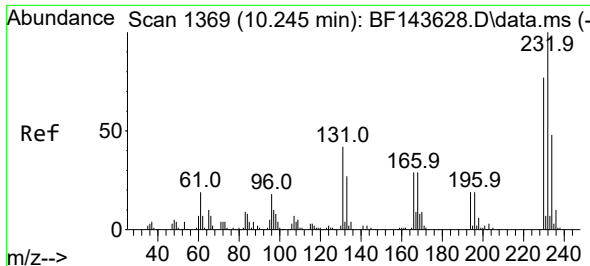


#58
Fluorene
Concen: 7.932 ng
RT: 10.474 min Scan# 1408
Delta R.T. -0.000 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12



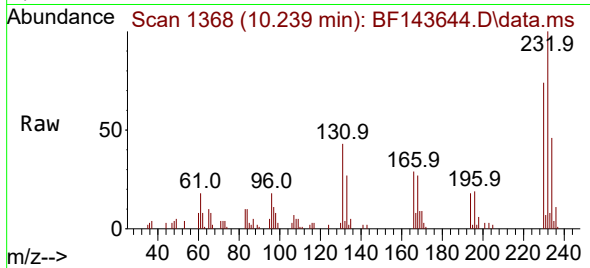
Tgt Ion:166 Resp: 75857
Ion Ratio Lower Upper
166 100
165 99.0 77.6 116.4
167 13.4 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 8.986 ng
RT: 10.239 min Scan# 1368
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

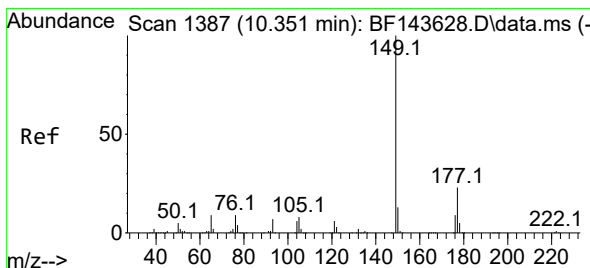
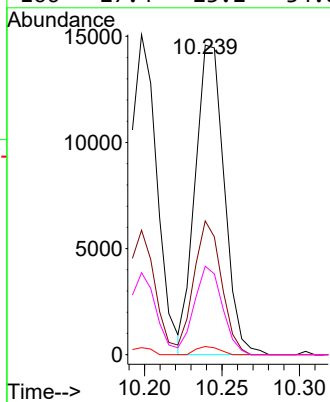
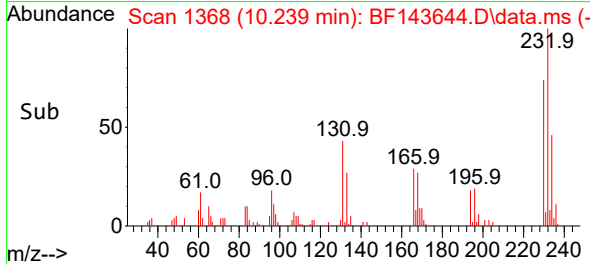
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025



Tgt Ion:232 Resp: 19020
Ion Ratio Lower Upper
232 100
131 40.8 33.7 50.5
130 2.1 1.5 2.3
166 27.4 23.2 34.8

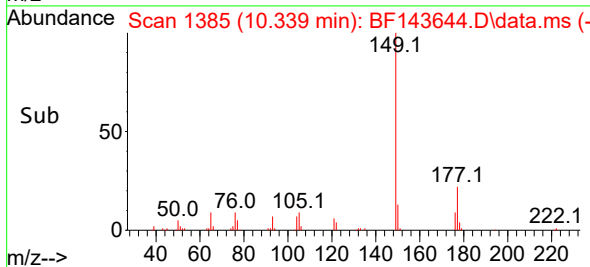
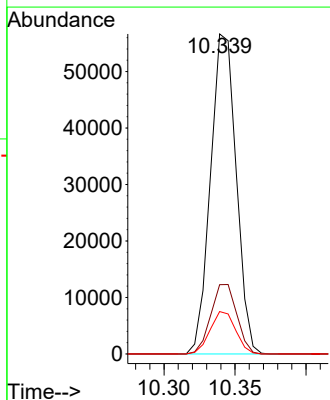
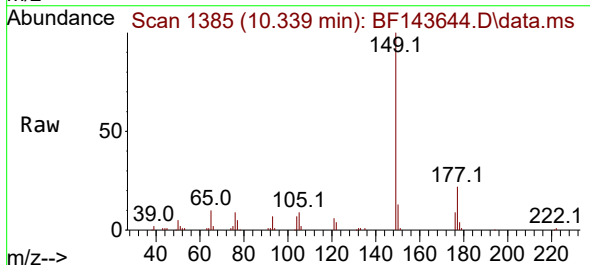
Manual Integrations
APPROVED

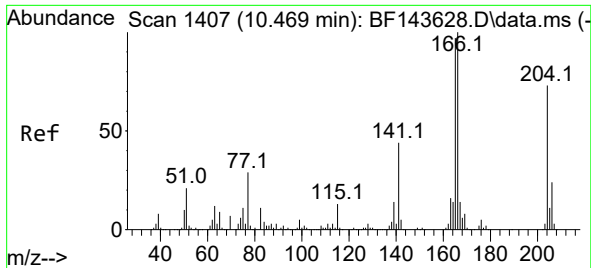
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#60
Diethylphthalate
Concen: 7.480 ng
RT: 10.339 min Scan# 1385
Delta R.T. -0.012 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

Tgt Ion:149 Resp: 71317
Ion Ratio Lower Upper
149 100
177 21.7 18.6 28.0
150 13.2 10.3 15.5





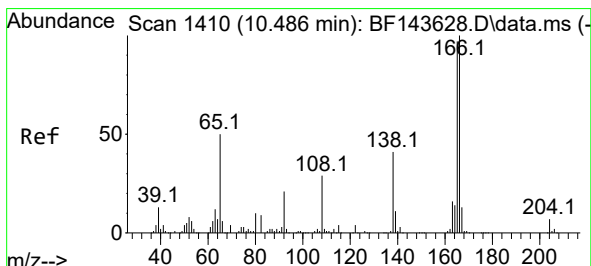
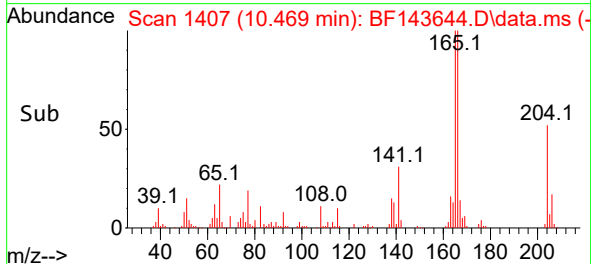
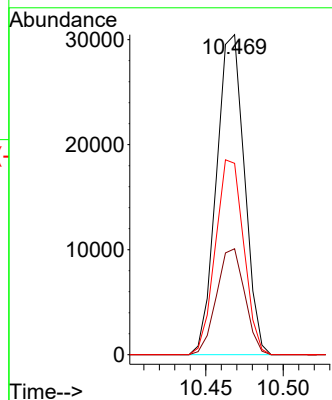
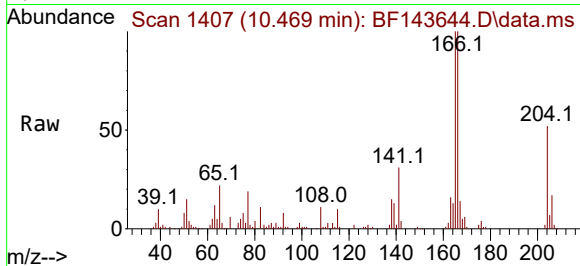
#61
4-Chlorophenyl-phenylether
Concen: 8.025 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.000 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

Tgt Ion:204 Resp: 3829
Ion Ratio Lower Upper
204 100
206 33.1 26.6 40.0
141 59.8 47.8 71.6

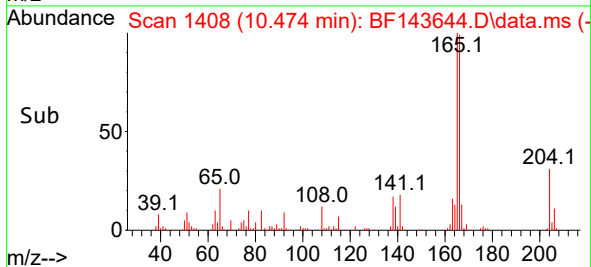
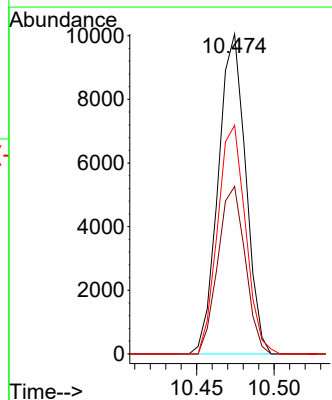
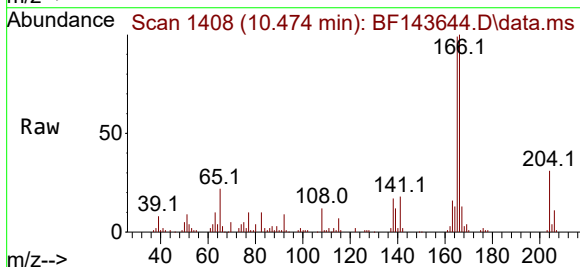
Manual Integrations
APPROVED

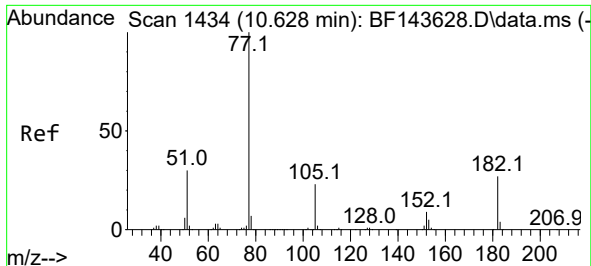
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#62
4-Nitroaniline
Concen: 8.713 ng
RT: 10.474 min Scan# 1408
Delta R.T. -0.012 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

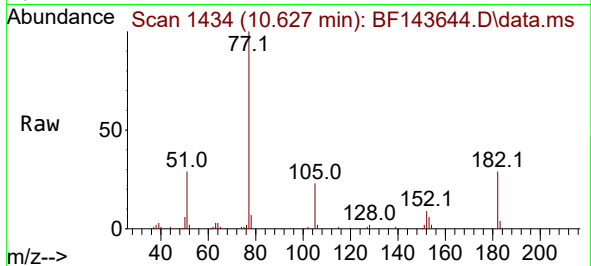
Tgt Ion:138 Resp: 12370
Ion Ratio Lower Upper
138 100
92 52.3 30.5 70.5
108 71.5 49.1 89.1





#63
Azobenzene
Concen: 7.550 ng
RT: 10.627 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

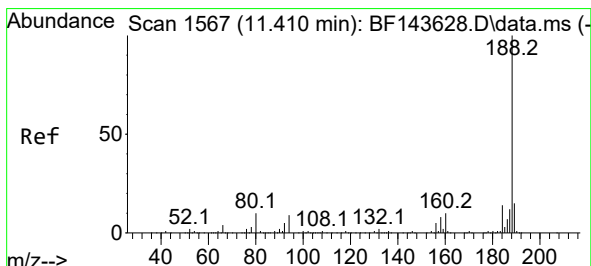
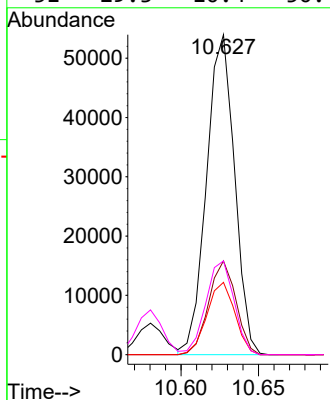
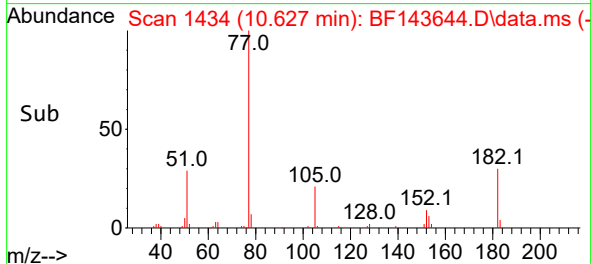
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025



Tgt Ion: 77	Resp: 67850
Ion Ratio	Lower Upper
77 100	
182 29.3	6.8 46.8
105 22.6	2.8 42.8
51 29.3	10.4 50.4

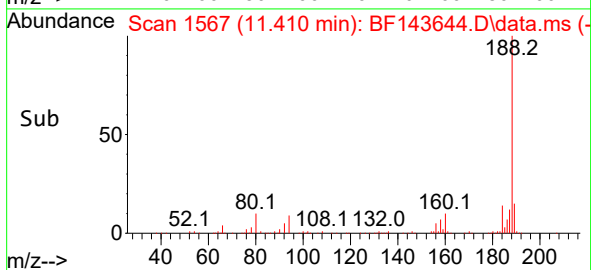
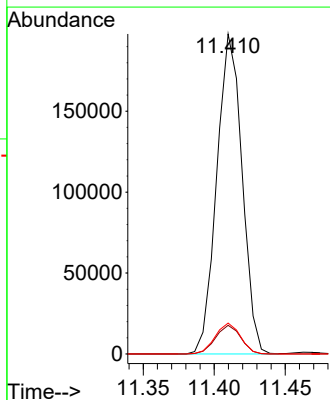
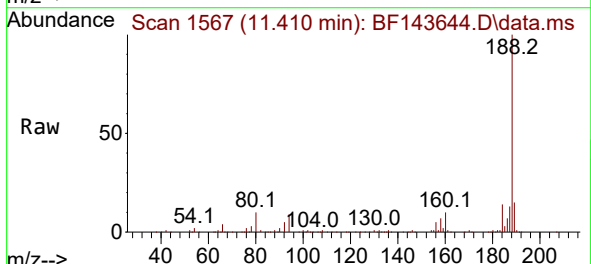
Manual Integrations
APPROVED

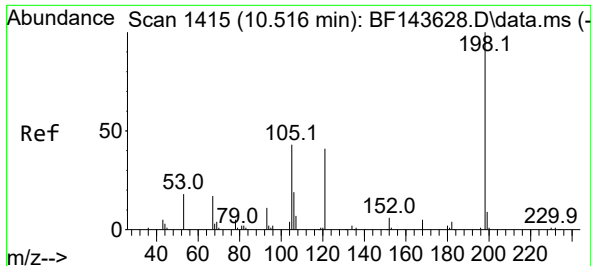
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.000 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

Tgt Ion:188	Resp: 245179
Ion Ratio	Lower Upper
188 100	
94 9.0	7.5 11.3
80 9.6	8.4 12.6





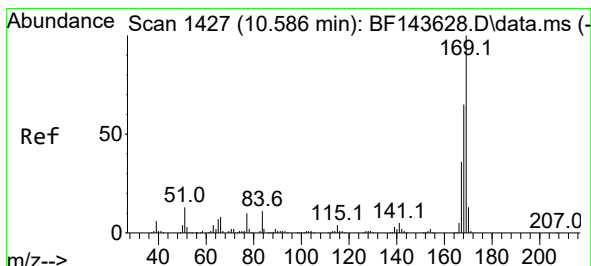
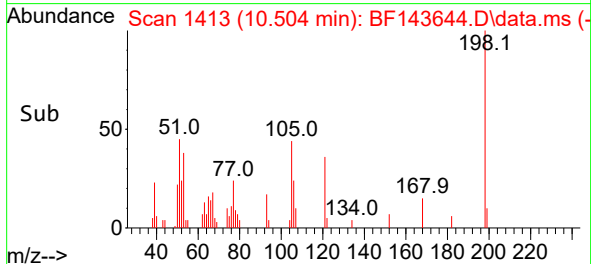
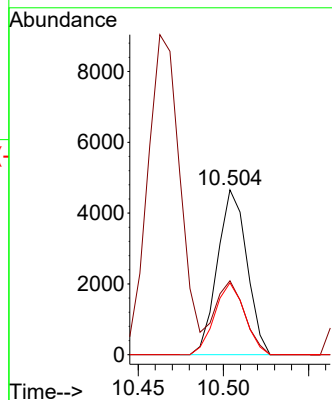
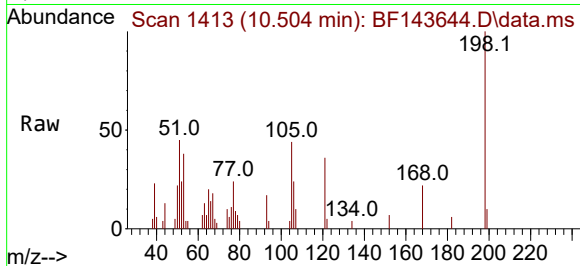
#65
4,6-Dinitro-2-methylphenol
Concen: 12.956 ng
RT: 10.504 min Scan# 1415
Delta R.T. -0.012 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion:198 Resp: 5589
Ion Ratio Lower Upper
198 100
51 44.9 30.7 70.7
105 43.6 26.0 66.0

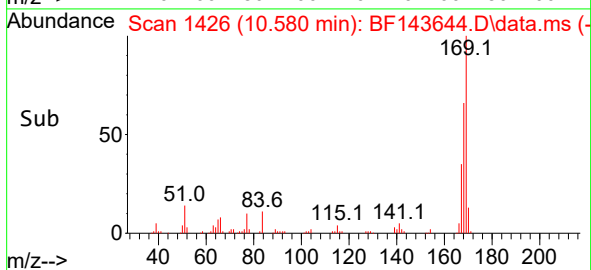
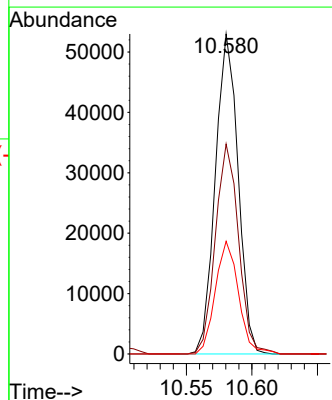
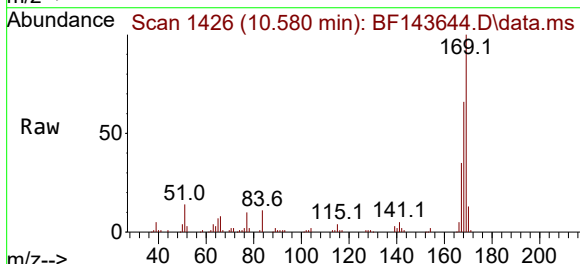
Manual Integrations
APPROVED

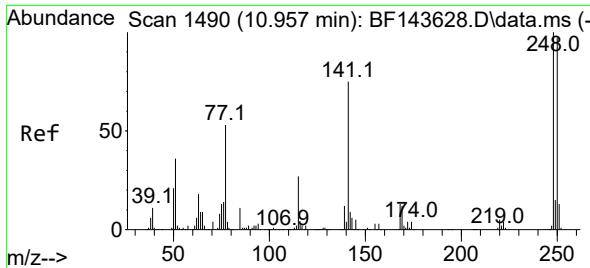
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#66
n-Nitrosodiphenylamine
Concen: 8.061 ng
RT: 10.580 min Scan# 1426
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

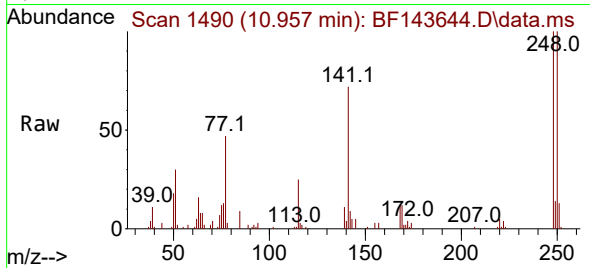
Tgt Ion:169 Resp: 63793
Ion Ratio Lower Upper
169 100
168 65.6 52.2 78.4
167 35.2 28.5 42.7





#67
4-Bromophenyl-phenylether
Concen: 8.020 ng
RT: 10.957 min Scan# 1490
Delta R.T. -0.000 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

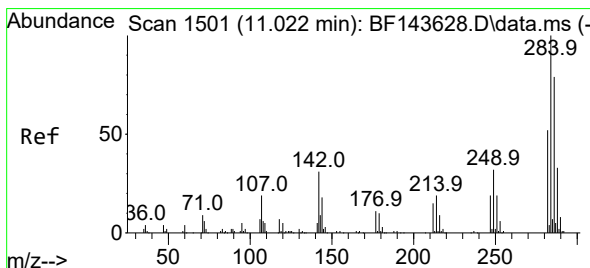
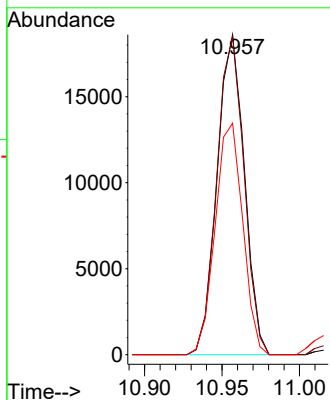
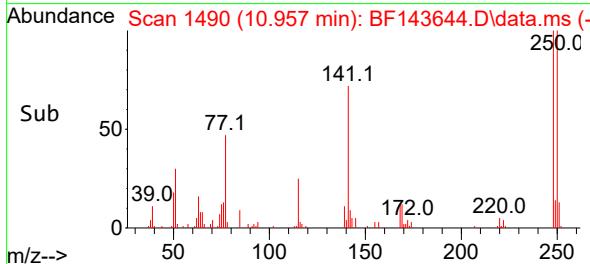
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025



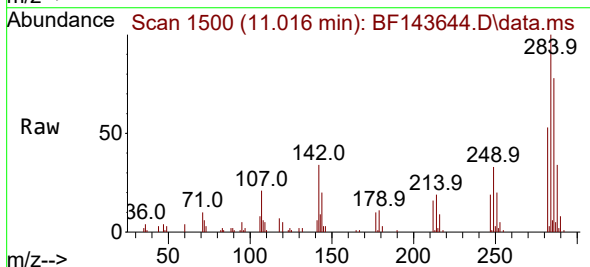
Tgt Ion:248 Resp: 22804
Ion Ratio Lower Upper
248 100
250 99.6 77.6 116.4
141 72.4 60.1 90.1

Manual Integrations
APPROVED

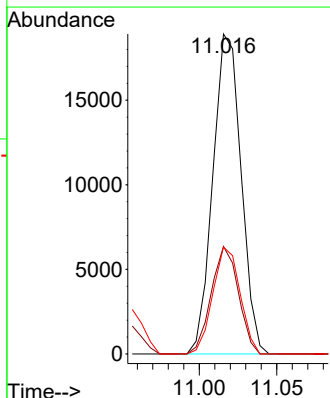
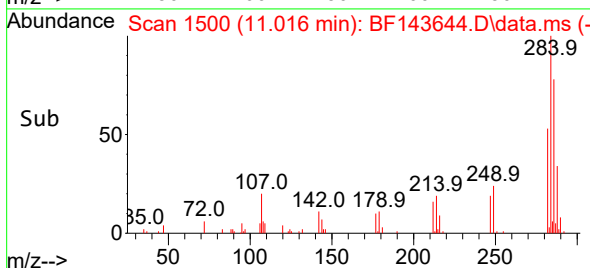
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025

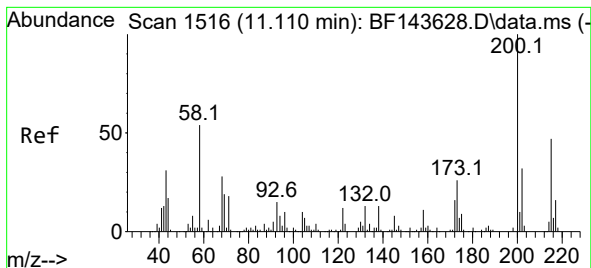


#68
Hexachlorobenzene
Concen: 8.016 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12



Tgt Ion:284 Resp: 23942
Ion Ratio Lower Upper
284 100
142 33.6 24.7 37.1
249 33.4 25.4 38.2





#69

Atrazine

Concen: 7.456 ng

RT: 11.104 min Scan# 1515

Delta R.T. -0.006 min

Lab File: BF143644.D

Acq: 04 Sep 2025 15:12

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

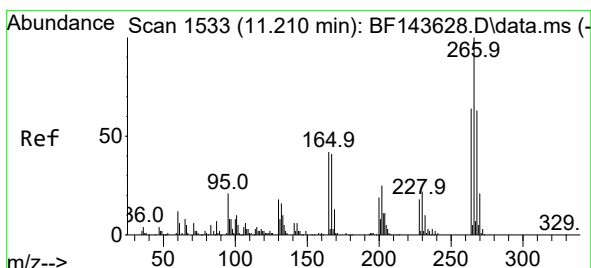
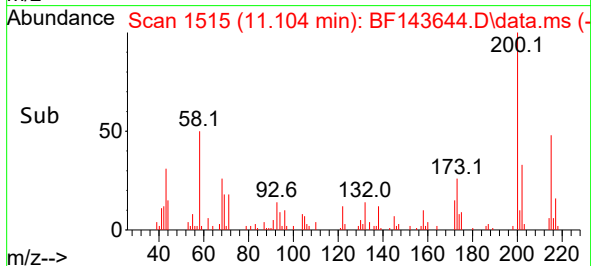
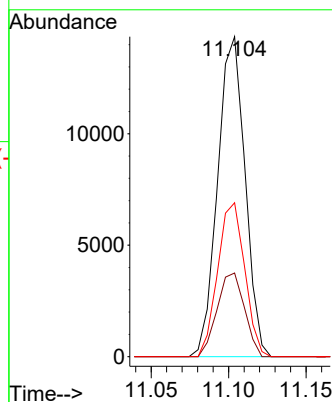
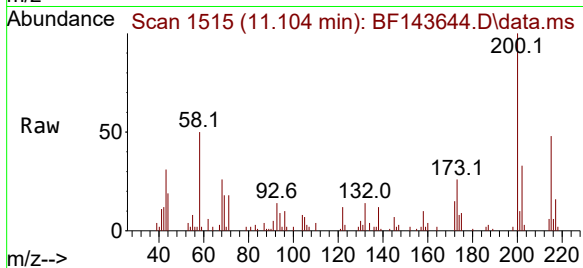
Tgt Ion:200 Resp: 17639
 Ion Ratio Lower Upper
 200 100
 173 26.2 6.4 46.4
 215 48.1 26.9 66.9

Manual Integrations

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Reviewed By :Rahul Chavli 09/05/2025

Supervised By :Jagrut Upadhyay 09/05/2025



#70

Pentachlorophenol

Concen: 7.089 ng

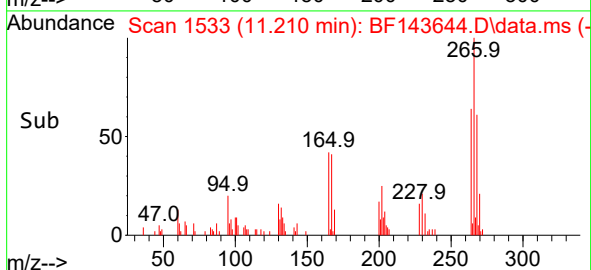
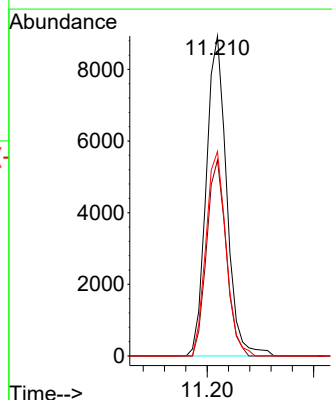
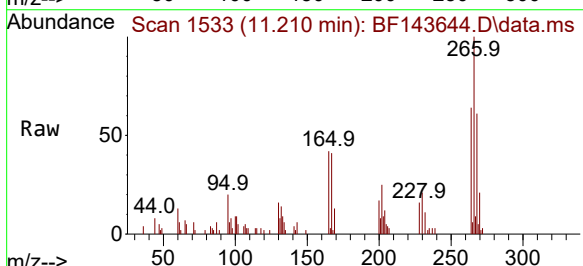
RT: 11.210 min Scan# 1533

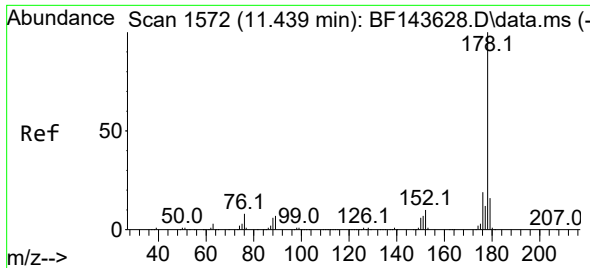
Delta R.T. -0.000 min

Lab File: BF143644.D

Acq: 04 Sep 2025 15:12

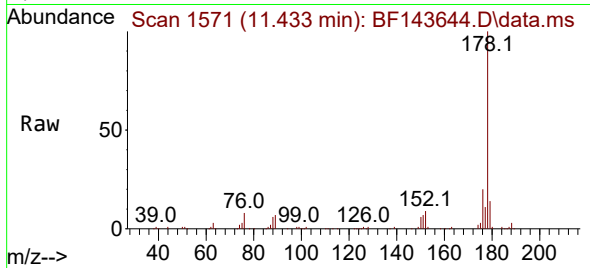
Tgt Ion:266 Resp: 11894
 Ion Ratio Lower Upper
 266 100
 268 61.2 50.6 76.0
 264 63.9 51.2 76.8





#71
Phenanthrene
Concen: 8.045 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

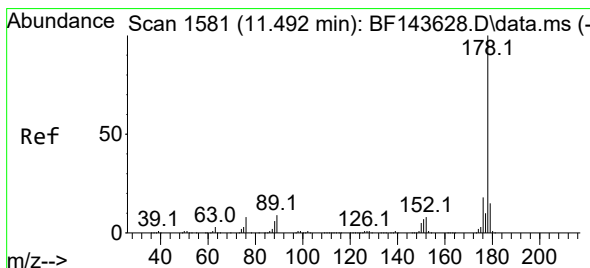
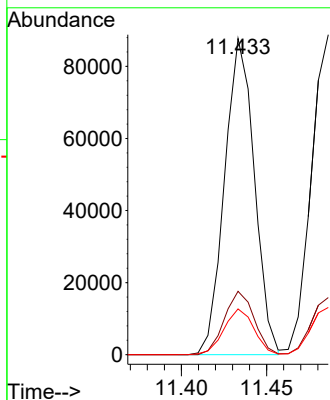
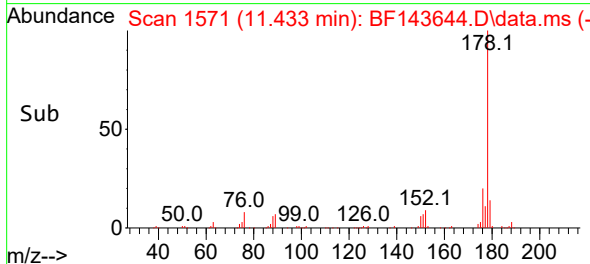
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025



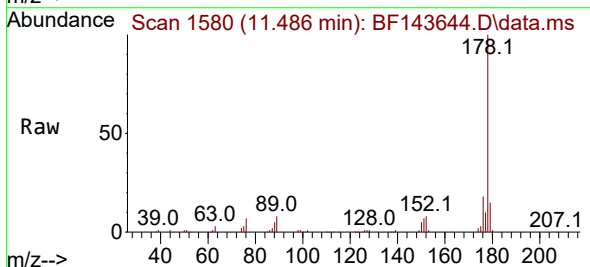
Tgt Ion:178 Resp: 10666
Ion Ratio Lower Upper
178 100
176 20.1 15.4 23.2
179 14.5 12.4 18.6

Manual Integrations
APPROVED

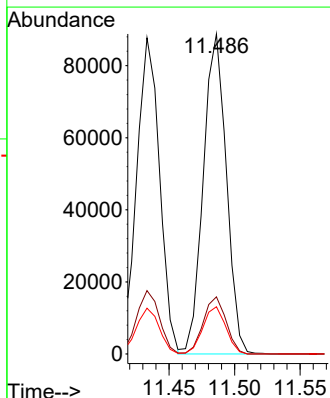
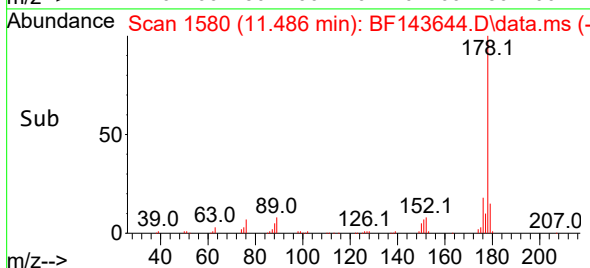
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025

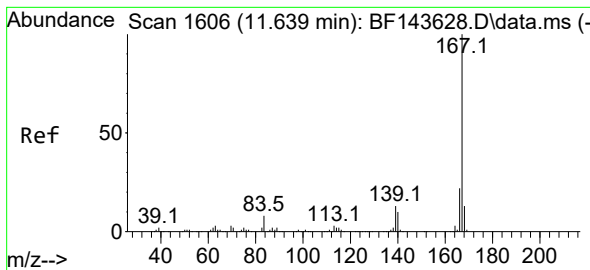


#72
Anthracene
Concen: 8.170 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12



Tgt Ion:178 Resp: 108636
Ion Ratio Lower Upper
178 100
176 17.9 14.6 22.0
179 14.7 12.3 18.5





#73

Carbazole

Concen: 7.585 ng

RT: 11.639 min Scan# 1606

Delta R.T. -0.000 min

Lab File: BF143644.D

Acq: 04 Sep 2025 15:12

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

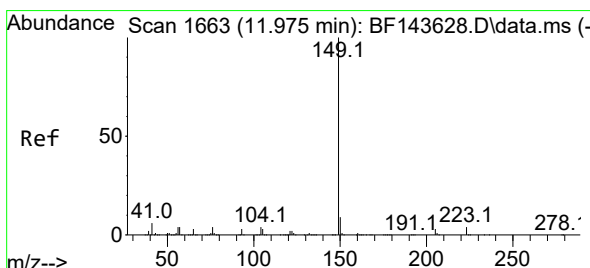
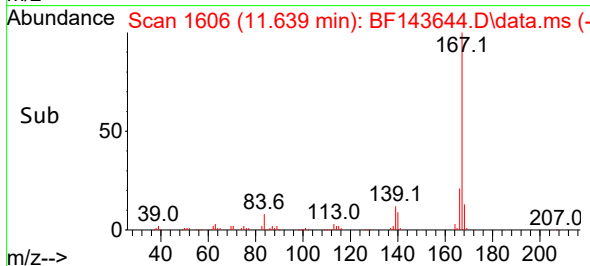
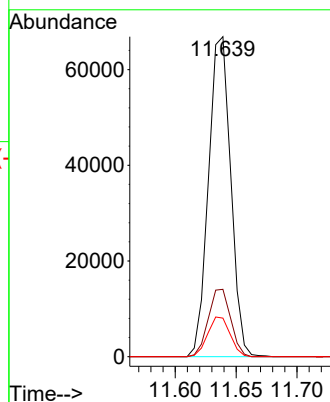
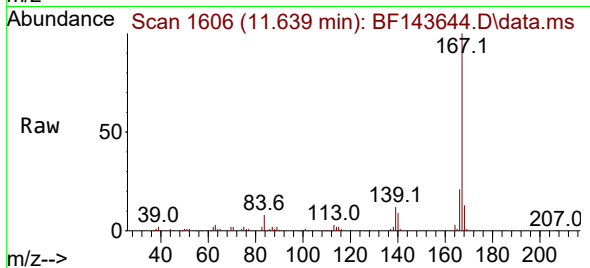
Tgt Ion:	167	Resp:	85014
Ion Ratio	Lower	Upper	
167	100		
166	21.0	17.3	25.9
139	12.1	10.3	15.5

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: 7.425 ng

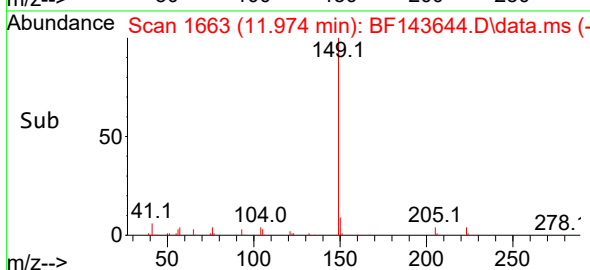
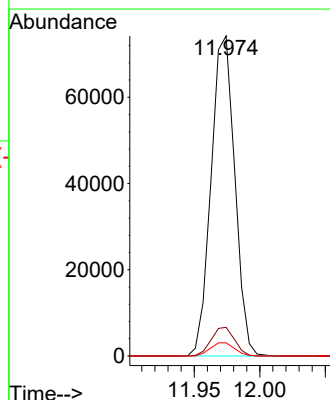
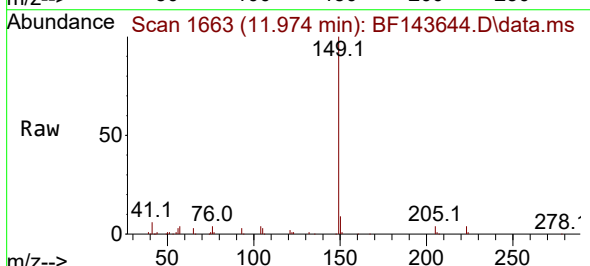
RT: 11.974 min Scan# 1663

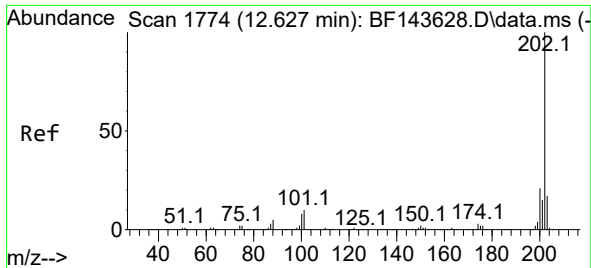
Delta R.T. -0.000 min

Lab File: BF143644.D

Acq: 04 Sep 2025 15:12

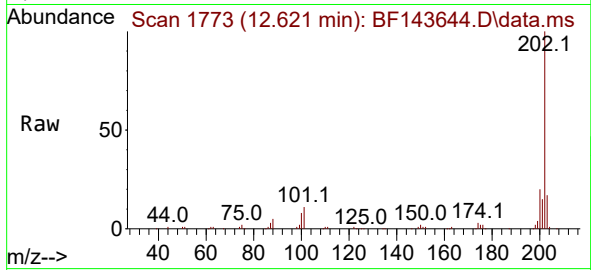
Tgt Ion:	149	Resp:	93434
Ion Ratio	Lower	Upper	
149	100		
150	8.9	7.4	11.0
104	4.1	3.5	5.3





#75
Fluoranthene
Concen: 7.714 ng
RT: 12.621 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

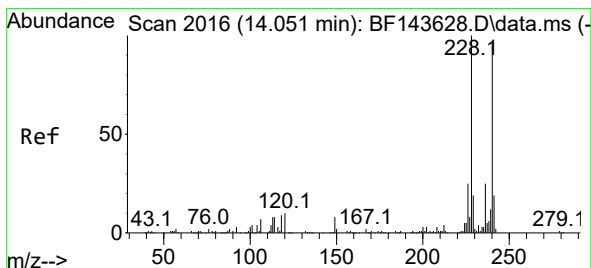
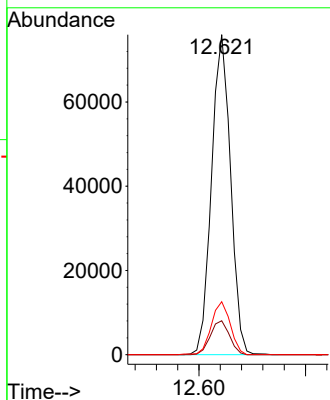
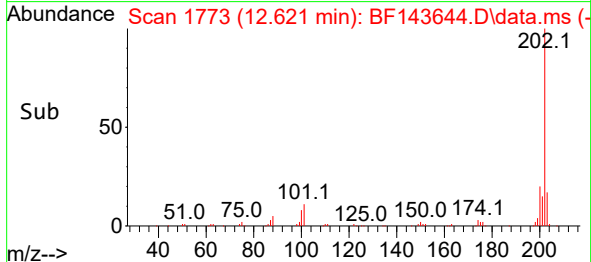
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025



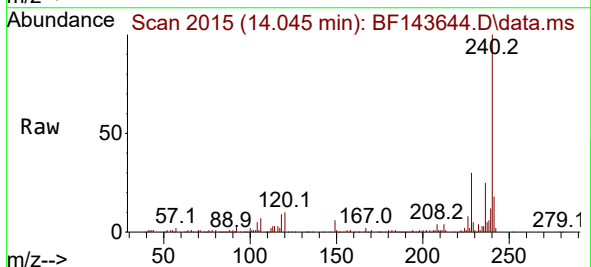
Tgt Ion:202 Resp: 93928
Ion Ratio Lower Upper
202 100
101 10.6 0.0 30.3
203 16.5 0.0 37.3

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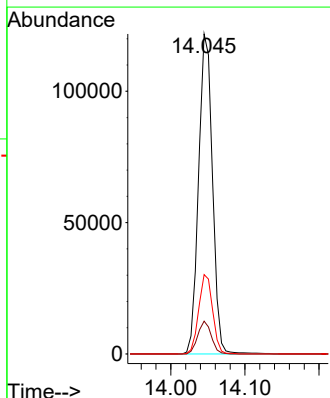
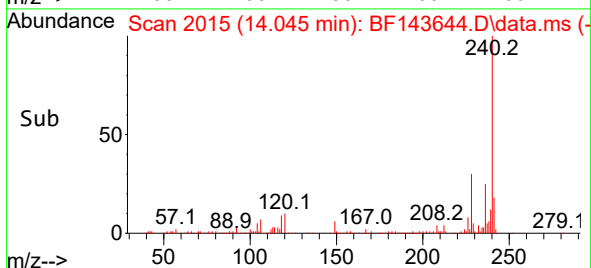
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025

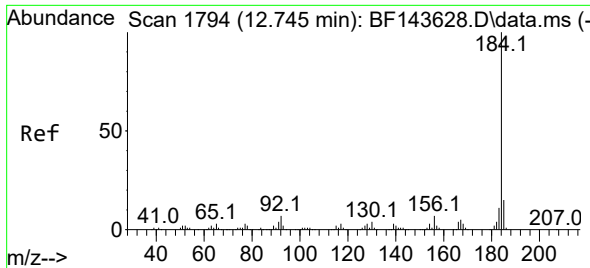


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12



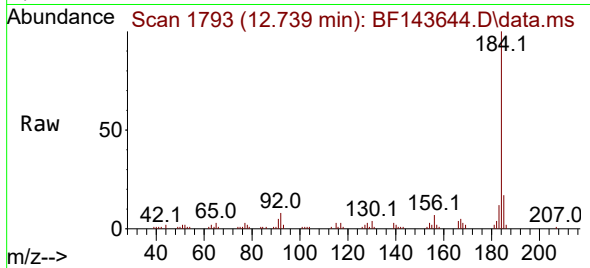
Tgt Ion:240 Resp: 158553
Ion Ratio Lower Upper
240 100
120 10.2 8.0 12.0
236 24.8 20.5 30.7





#77
Benzidine
Concen: 11.137 ng
RT: 12.739 min Scan# 1793
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

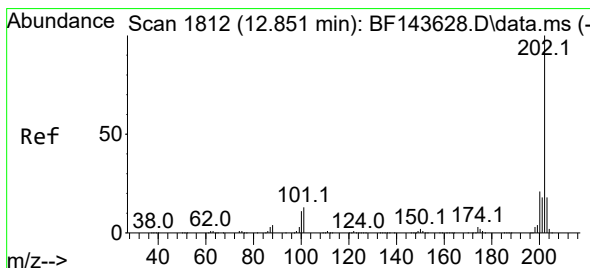
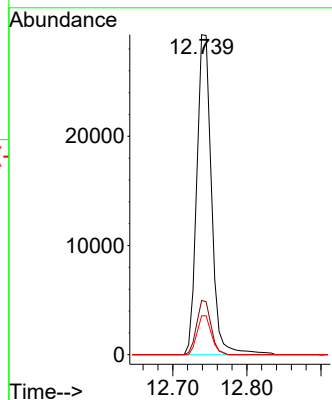
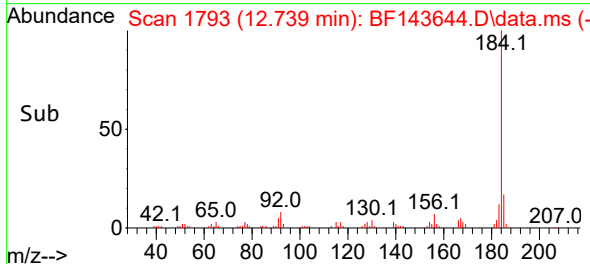
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025



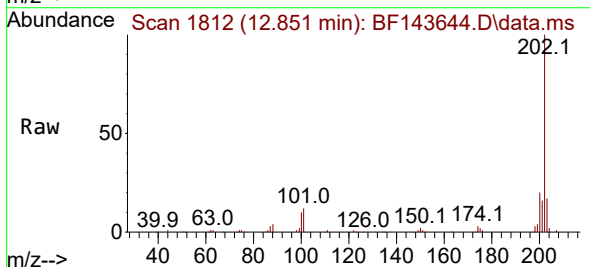
Tgt Ion:184 Resp: 40399
Ion Ratio Lower Upper
184 100
185 16.9 11.8 17.6
183 12.2 9.0 13.6

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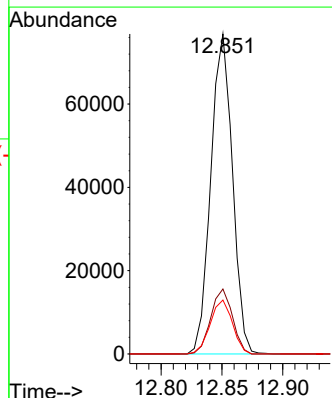
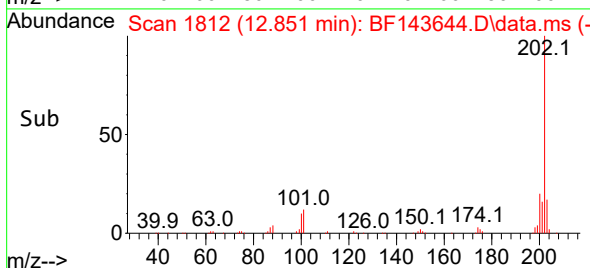
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025

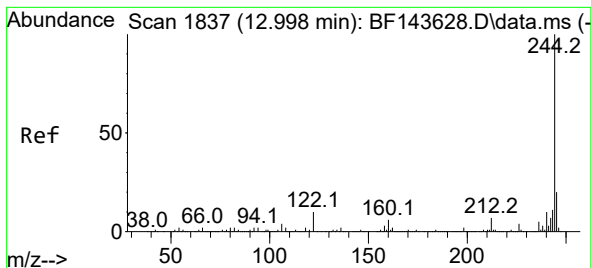


#78
Pyrene
Concen: 7.259 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.000 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12



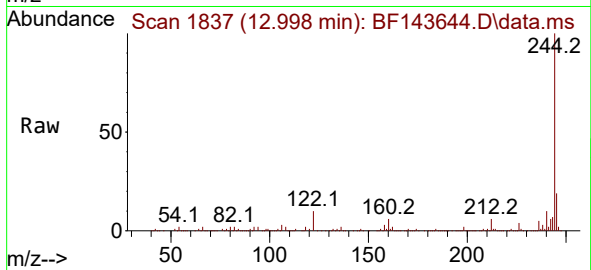
Tgt Ion:202 Resp: 94970
Ion Ratio Lower Upper
202 100
200 20.3 16.7 25.1
203 16.8 14.0 21.0





#79
 Terphenyl-d14
 Concen: 85.112 ng
 RT: 12.998 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF143644.D
 Acq: 04 Sep 2025 15:12

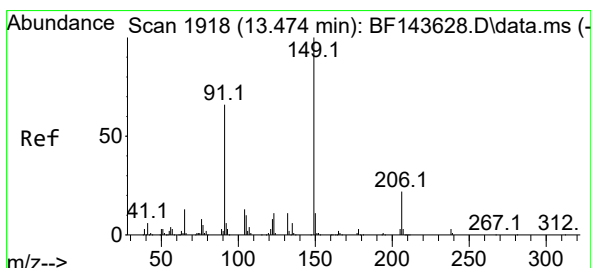
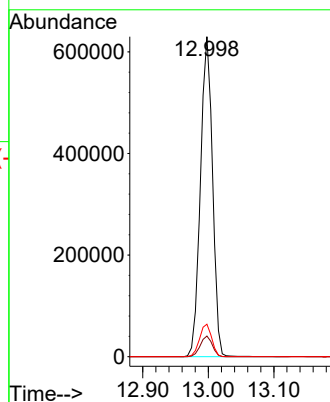
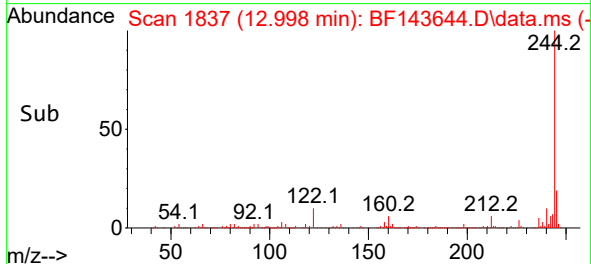
Instrument : BNA_F
 ClientSampleId : LOD-MDL-SOIL-01-QT3-2025



Tgt Ion:244 Resp: 809902
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.3 7.9
 122 10.1 8.3 12.5

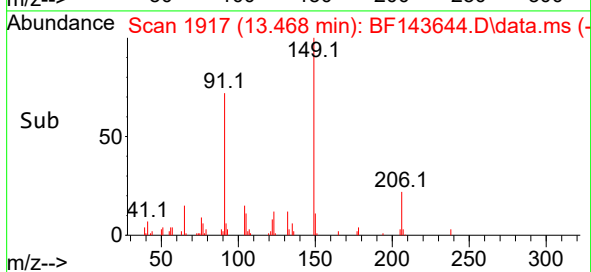
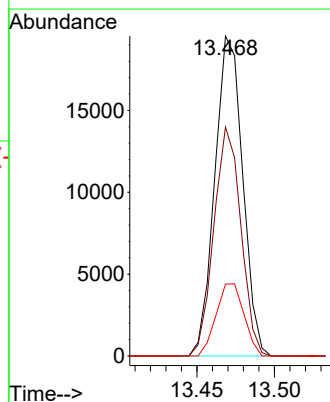
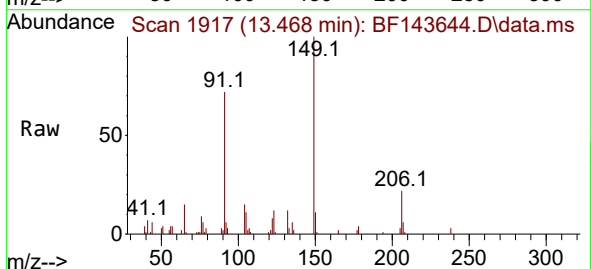
Manual Integrations
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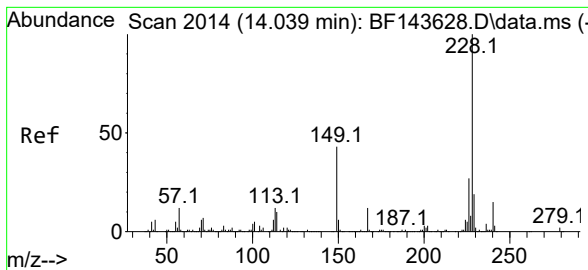
Reviewed By :Rahul Chavli 09/05/2025
 Supervised By :Jagrut Upadhyay 09/05/2025



#80
 Butylbenzylphthalate
 Concen: 8.767 ng
 RT: 13.468 min Scan# 1917
 Delta R.T. -0.006 min
 Lab File: BF143644.D
 Acq: 04 Sep 2025 15:12

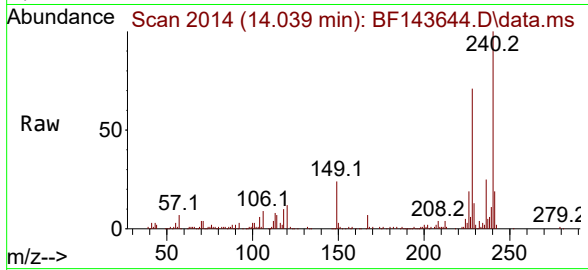
Tgt Ion:149 Resp: 24474
 Ion Ratio Lower Upper
 149 100
 91 71.5 53.0 79.4
 206 22.5 17.4 26.2





#81
 Benzo(a)anthracene
 Concen: 7.775 ng
 RT: 14.039 min Scan# 2014
 Delta R.T. -0.000 min
 Lab File: BF143644.D
 Acq: 04 Sep 2025 15:12

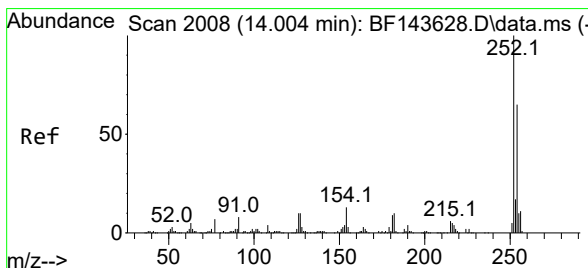
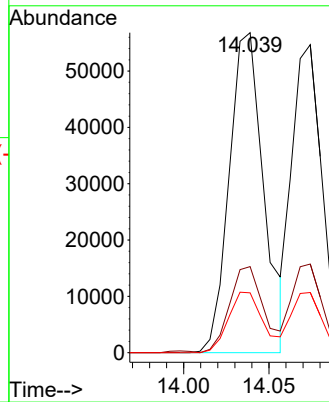
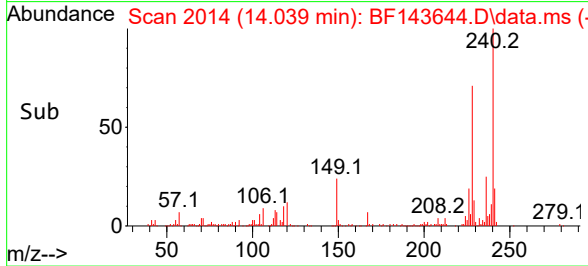
Instrument : BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025



Tgt Ion:228 Resp: 7984
 Ion Ratio Lower Upper
 228 100
 226 26.9 21.4 32.2
 229 18.7 15.5 23.3

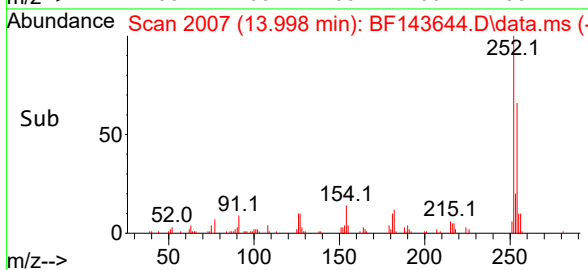
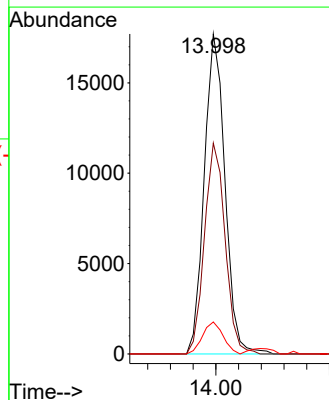
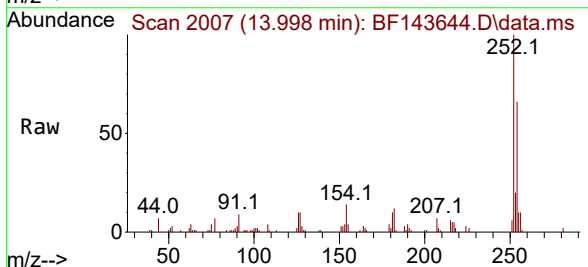
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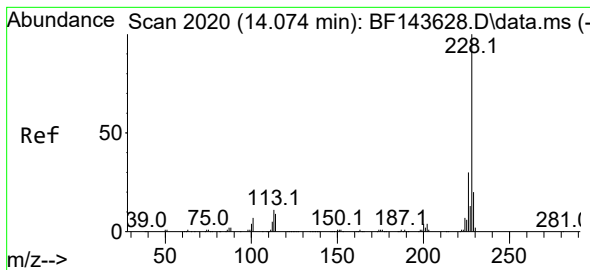
Reviewed By :Rahul Chavli 09/05/2025
 Supervised By :Jagrut Upadhyay 09/05/2025



#82
 3,3'-Dichlorobenzidine
 Concen: 7.990 ng
 RT: 13.998 min Scan# 2007
 Delta R.T. -0.006 min
 Lab File: BF143644.D
 Acq: 04 Sep 2025 15:12

Tgt Ion:252 Resp: 22369
 Ion Ratio Lower Upper
 252 100
 254 65.9 52.2 78.2
 126 10.0 8.1 12.1





#83

Chrysene

Concen: 7.318 ng

RT: 14.074 min Scan# 2020

Delta R.T. -0.000 min

Lab File: BF143644.D

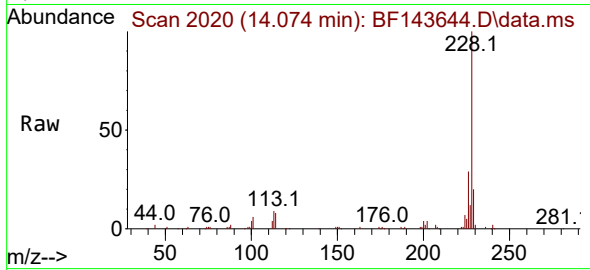
Acq: 04 Sep 2025 15:12

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025



Tgt Ion:228 Resp: 6755

Ion Ratio Lower Upper

228 100

226 28.8 23.8 35.6

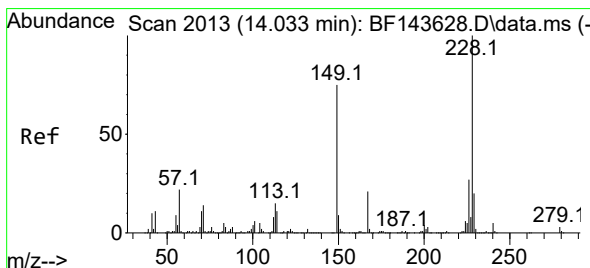
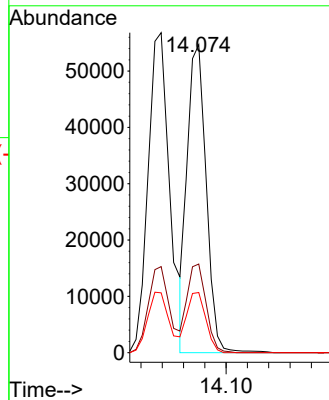
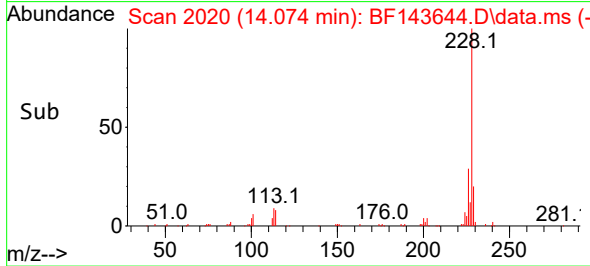
229 19.5 15.8 23.6

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: 9.283 ng

RT: 14.033 min Scan# 2013

Delta R.T. 0.000 min

Lab File: BF143644.D

Acq: 04 Sep 2025 15:12

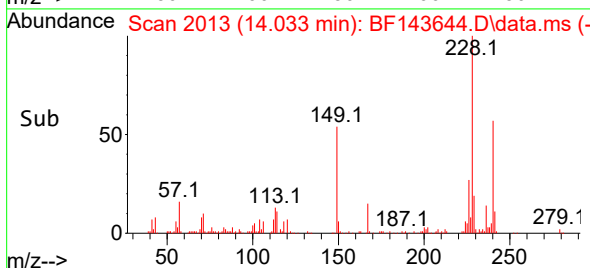
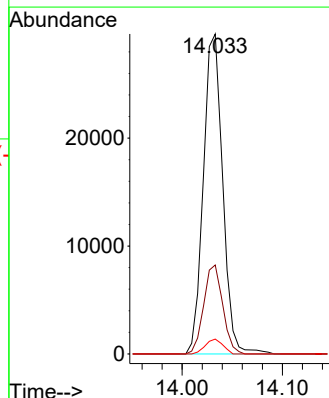
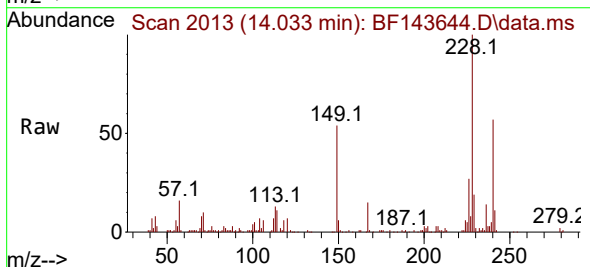
Tgt Ion:149 Resp: 39769

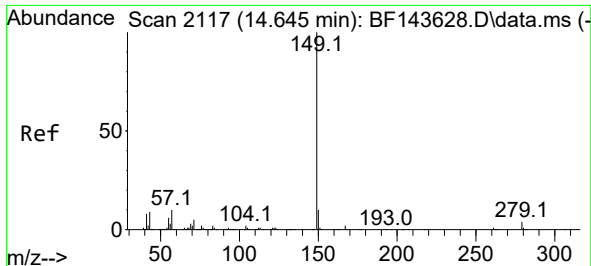
Ion Ratio Lower Upper

149 100

167 27.8 22.1 33.1

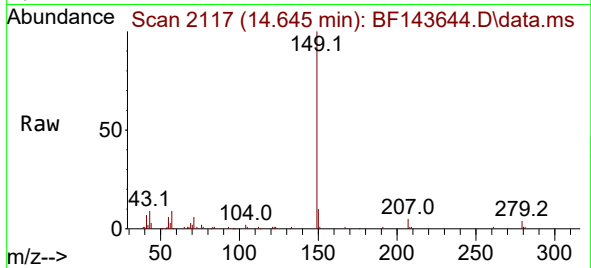
279 4.6 3.4 5.2





#85
Di-n-octyl phthalate
Concen: 6.734 ng
RT: 14.645 min Scan# 2117
Delta R.T. -0.000 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

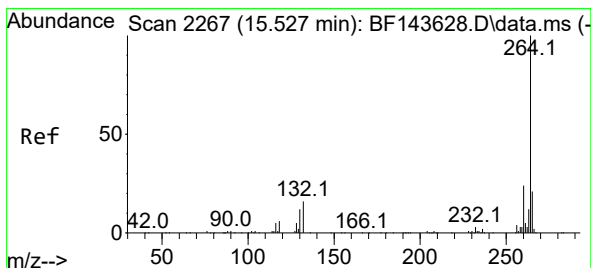
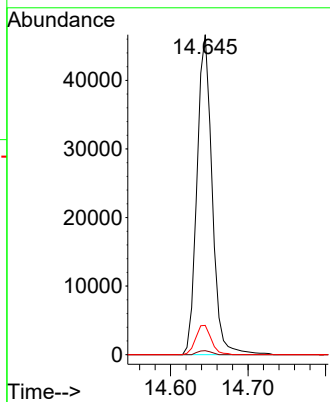
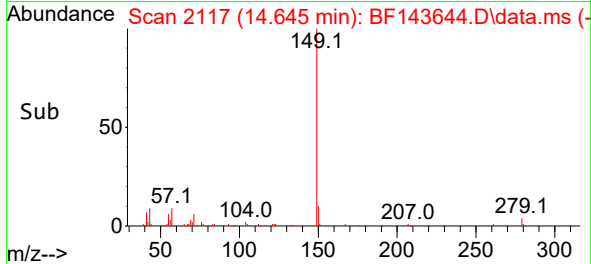
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025



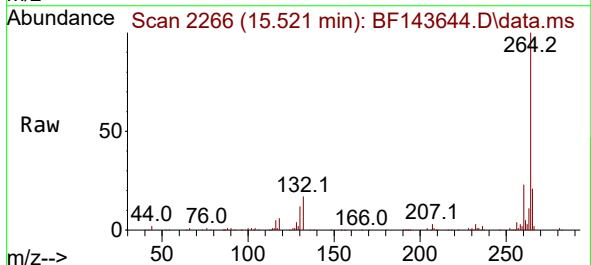
Tgt Ion:149 Resp: 63348
Ion Ratio Lower Upper
149 100
167 1.1 1.2 1.8
43 9.4 7.8 11.8

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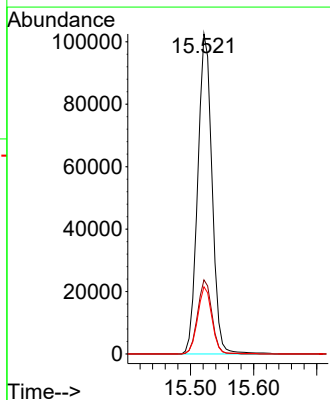
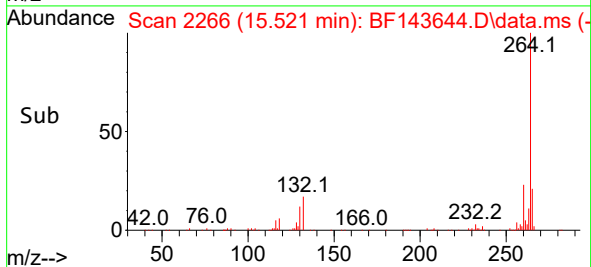
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025

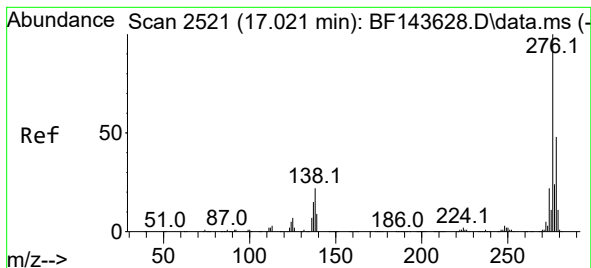


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2266
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12



Tgt Ion:264 Resp: 161401
Ion Ratio Lower Upper
264 100
260 23.2 18.9 28.3
265 21.0 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.369 ng

RT: 17.003 min Scan# 2118

Delta R.T. -0.018 min

Lab File: BF143644.D

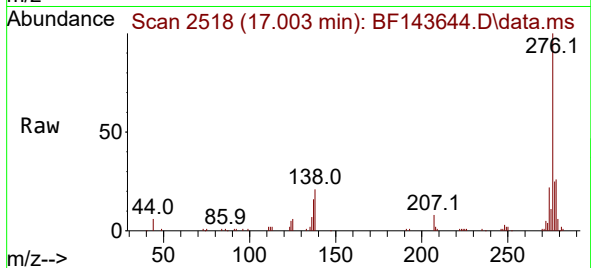
Acq: 04 Sep 2025 15:12

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025



Tgt Ion:276 Resp: 82910

Ion Ratio Lower Upper

276 100

138 24.3 19.8 29.6

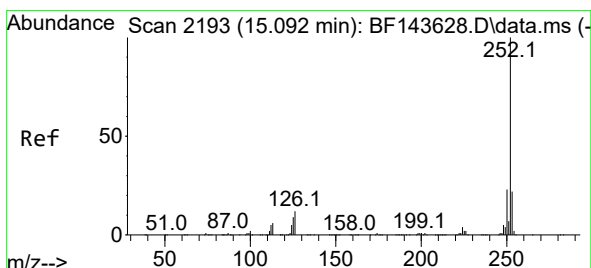
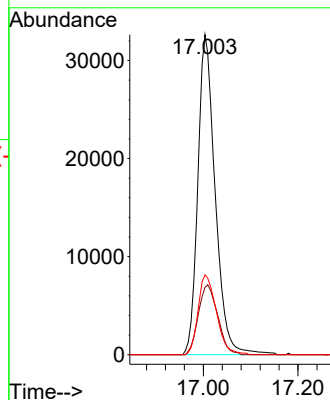
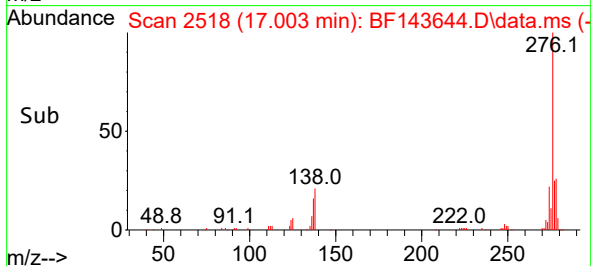
277 26.3 20.1 30.1

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Reviewed By :Rahul Chavli 09/05/2025

Supervised By :Jagrut Upadhyay 09/05/2025



#88

Benzo(b)fluoranthene

Concen: 7.582 ng

RT: 15.086 min Scan# 2192

Delta R.T. -0.006 min

Lab File: BF143644.D

Acq: 04 Sep 2025 15:12

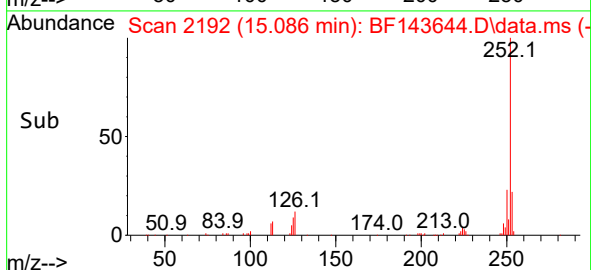
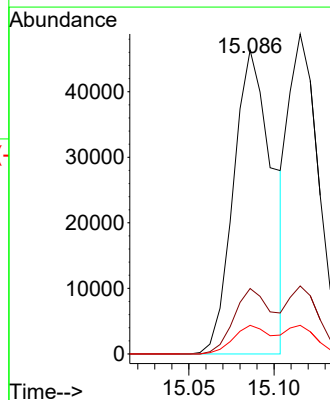
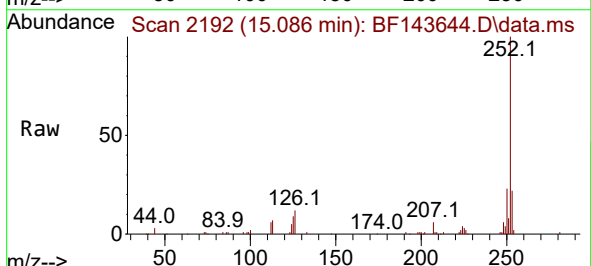
Tgt Ion:252 Resp: 73725

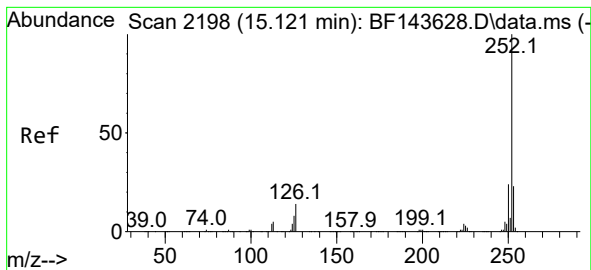
Ion Ratio Lower Upper

252 100

253 21.5 17.2 25.8

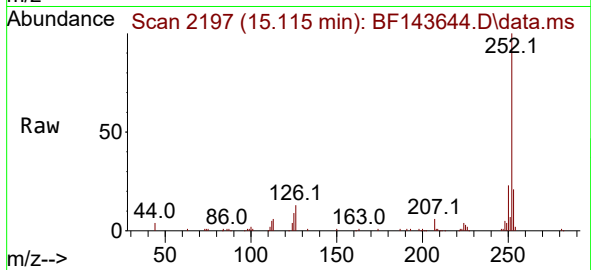
125 9.4 7.4 11.2





#89
Benzo(k)fluoranthene
Concen: 7.127 ng
RT: 15.115 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

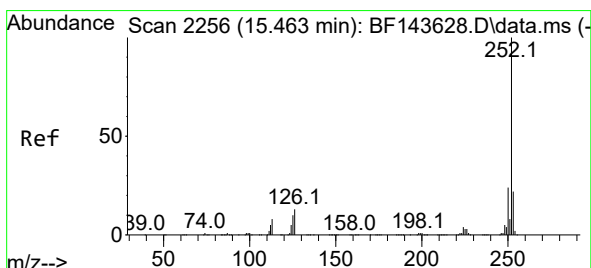
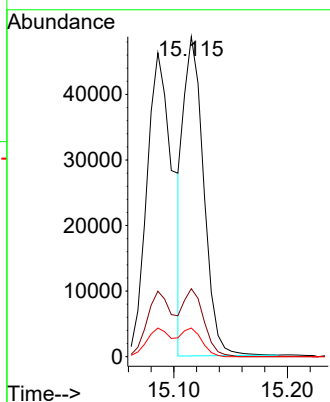
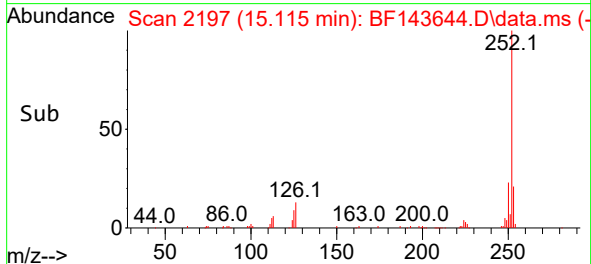
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025



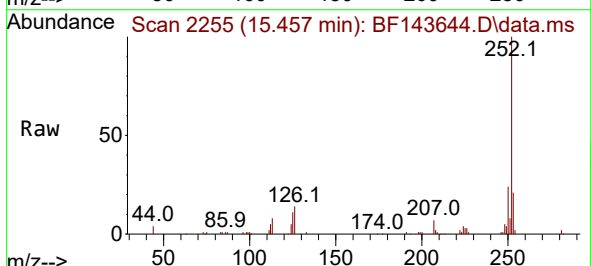
Tgt Ion:252 Resp: 59939
Ion Ratio Lower Upper
252 100
253 21.2 17.8 26.6
125 9.0 7.3 10.9

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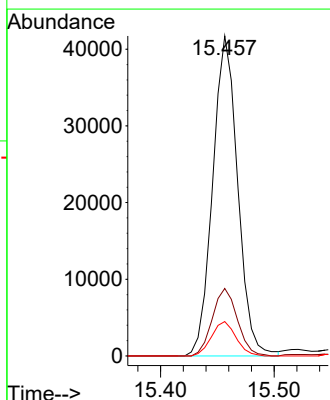
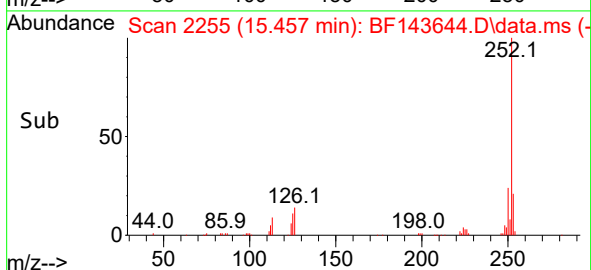
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025

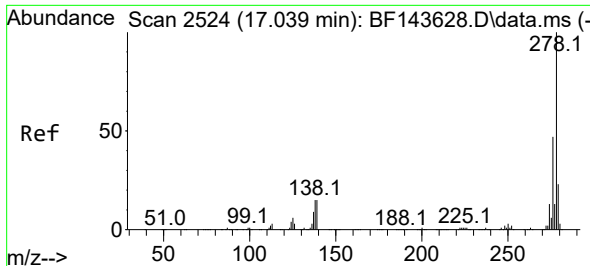


#90
Benzo(a)pyrene
Concen: 7.646 ng
RT: 15.457 min Scan# 2255
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12



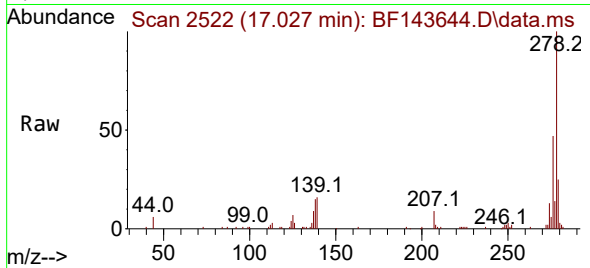
Tgt Ion:252 Resp: 63916
Ion Ratio Lower Upper
252 100
253 21.1 17.4 26.2
125 10.7 8.3 12.5





#91
Dibenzo(a,h)anthracene
Concen: 7.383 ng
RT: 17.027 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

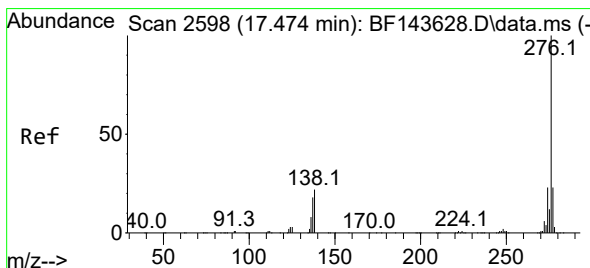
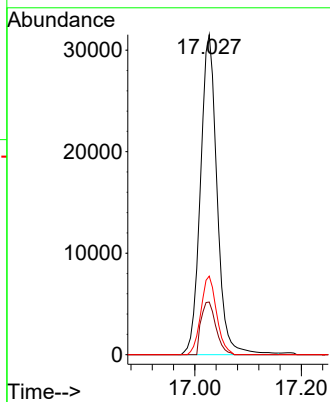
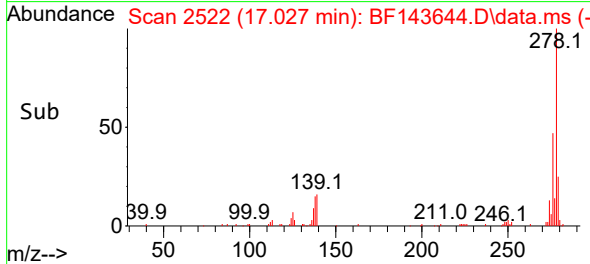
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025



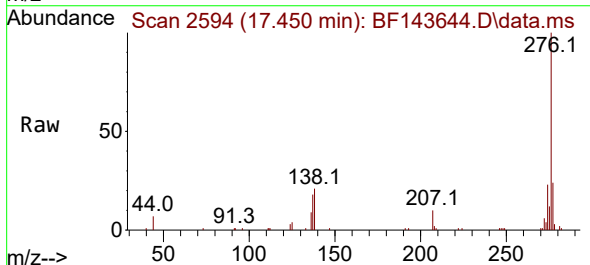
Tgt Ion:278 Resp: 6833
Ion Ratio Lower Upper
278 100
139 16.5 12.4 18.6
279 24.5 18.7 28.1

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



#92
Benzo(g,h,i)perylene
Concen: 7.572 ng
RT: 17.450 min Scan# 2594
Delta R.T. -0.024 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12



Tgt Ion:276 Resp: 67506
Ion Ratio Lower Upper
276 100
277 24.5 18.7 28.1
138 21.5 17.2 25.8

