

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091025\
 Data File : BF143695.D
 Acq On : 10 Sep 2025 10:49
 Operator : RC/JU
 Sample : Q2893-03
 Misc : MDL-SOIL 8 PPM
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Sep 10 11:39:11 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 09 15:20:16 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 09/11/2025
 Supervised By :Jagrut Upadhyay 09/11/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	46667	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	185966	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	108417	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	188935	20.000	ng	0.00
76) Chrysene-d12	14.045	240	113275	20.000	ng	0.00
86) Perylene-d12	15.521	264	109238	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	376112	137.506	ng	0.00
7) Phenol-d6	6.510	99	467398	140.342	ng	0.00
23) Nitrobenzene-d5	7.451	82	292911	97.971	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	154871	141.745	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	668279	93.114	ng	0.00
79) Terphenyl-d14	12.998	244	726514	103.936	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.669	88	10823	8.871	ng	99
3) Pyridine	3.469	79	25493	8.088	ng	99
4) n-Nitrosodimethylamine	3.369	42	10662	8.906	ng	88
6) Aniline	6.551	93	39122	8.869	ng	99
8) 2-Chlorophenol	6.675	128	24897	8.428	ng	95
9) Benzaldehyde	6.440	77	21249	7.908	ng	99
10) Phenol	6.522	94	32138m	8.730	ng	
11) bis(2-Chloroethyl)ether	6.622	93	23650	8.601	ng	99
12) 1,3-Dichlorobenzene	6.828	146	31078	9.199	ng	98
13) 1,4-Dichlorobenzene	6.904	146	30746	9.016	ng	99
14) 1,2-Dichlorobenzene	7.057	146	29393	9.127	ng	98
15) Benzyl Alcohol	7.022	79	20729	8.557	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.163	45	29904	8.313	ng	96
17) 2-Methylphenol	7.122	107	21030	8.849	ng	98
18) Hexachloroethane	7.404	117	9666	8.775	ng	93
19) n-Nitroso-di-n-propyla...	7.293	70	18427	9.009	ng	98
20) 3+4-Methylphenols	7.281	107	26963	8.616	ng	92
22) Acetophenone	7.293	105	36505	8.692	ng	98
24) Nitrobenzene	7.463	77	26487	8.544	ng	96
25) Isophorone	7.698	82	49235	8.588	ng	99
26) 2-Nitrophenol	7.781	139	12269	8.049	ng	99
27) 2,4-Dimethylphenol	7.810	122	24980	9.129	ng	98
28) bis(2-Chloroethoxy)met...	7.910	93	29620	8.407	ng	100
29) 2,4-Dichlorophenol	8.016	162	22292	8.099	ng	98
30) 1,2,4-Trichlorobenzene	8.110	180	24480	8.585	ng	95
31) Naphthalene	8.192	128	76476	8.307	ng	99
32) Benzoic acid	7.857	122	9531	5.709	ng	98
33) 4-Chloroaniline	8.234	127	30083	9.387	ng	97
34) Hexachlorobutadiene	8.310	225	15448	8.306	ng	99
35) Caprolactam	8.563	113	6241	8.519	ng	90
36) 4-Chloro-3-methylphenol	8.704	107	22903	8.439	ng	100
37) 2-Methylnaphthalene	8.881	142	47537	7.543	ng	99
38) 1-Methylnaphthalene	8.981	142	49374	8.164	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	26214	8.446	ng	100
41) Hexachlorocyclopentadiene	9.034	237	15600	9.790	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	16535	7.978	ng	99

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Manual Integrations
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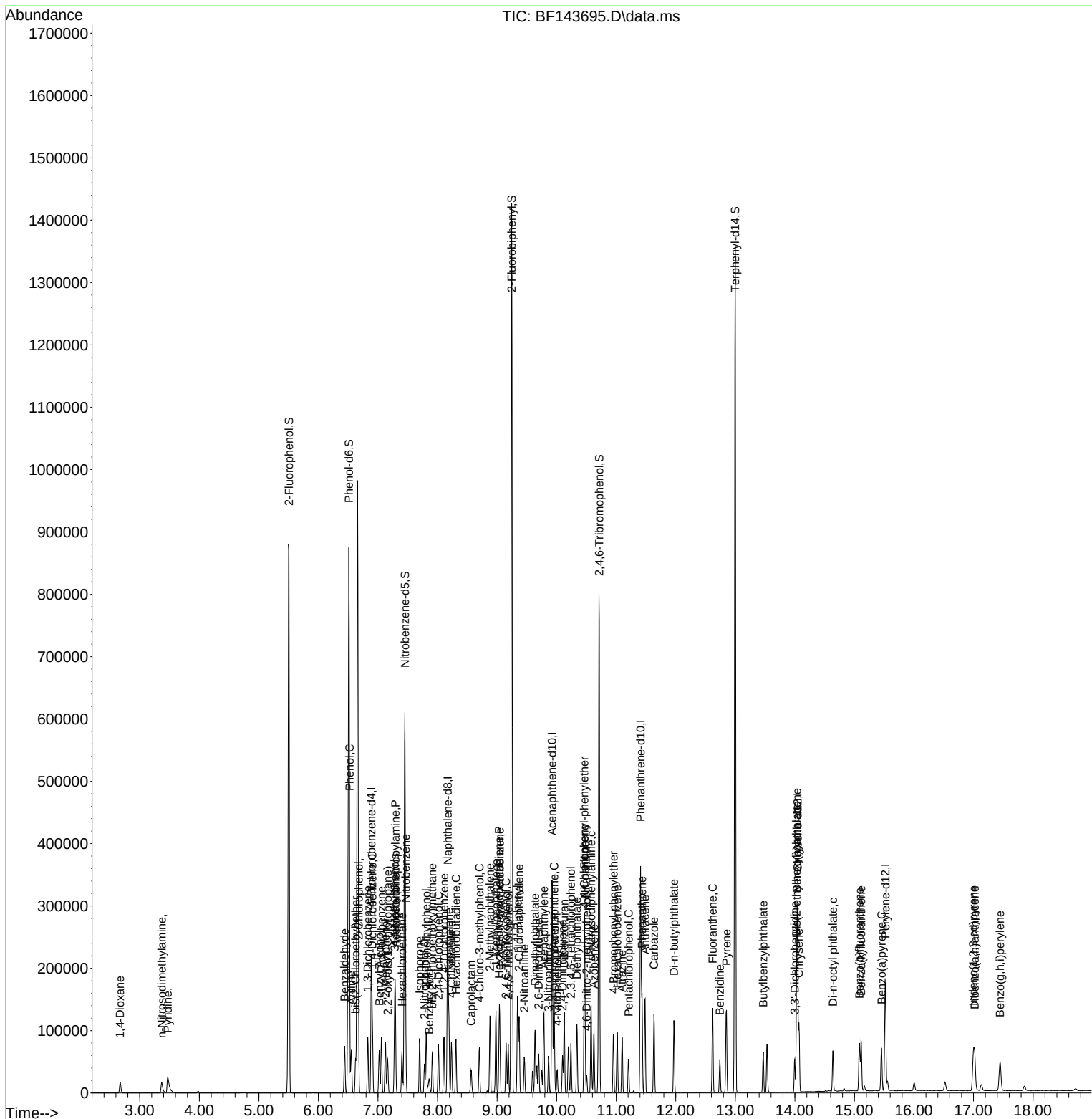
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.187	196	18207	8.641	ng	98
46) 1,1'-Biphenyl	9.345	154	67860	8.694	ng	98
47) 2-Chloronaphthalene	9.369	162	51735	8.455	ng	99
48) 2-Nitroaniline	9.457	65	12815	7.914	ng	98
49) Acenaphthylene	9.787	152	82512	9.414	ng	99
50) Dimethylphthalate	9.639	163	60594	8.590	ng	99
51) 2,6-Dinitrotoluene	9.698	165	11899	8.823	ng	96
52) Acenaphthene	9.957	154	49150	8.138	ng	99
53) 3-Nitroaniline	9.863	138	13060	8.998	ng	93
54) 2,4-Dinitrophenol	9.969	184	3830	10.504	ng	# 1
55) Dibenzofuran	10.128	168	74930	8.627	ng	98
56) 4-Nitrophenol	10.010	139	8668	7.507	ng	96
57) 2,4-Dinitrotoluene	10.098	165	15255	8.311	ng	94
58) Fluorene	10.469	166	60102	8.840	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	15204	8.899	ng	98
60) Diethylphthalate	10.339	149	58604	8.849	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	29822	8.649	ng	99
62) 4-Nitroaniline	10.475	138	12114	8.812	ng	92
63) Azobenzene	10.628	77	51374	8.775	ng	99
65) 4,6-Dinitro-2-methylph...	10.504	198	6044	6.283	ng	97
66) n-Nitrosodiphenylamine	10.581	169	50786	8.205	ng	100
67) 4-Bromophenyl-phenylether	10.957	248	17856	7.837	ng	97
68) Hexachlorobenzene	11.016	284	20042	8.331	ng	99
69) Atrazine	11.098	200	15568	8.022	ng	98
70) Pentachlorophenol	11.210	266	9547	6.565	ng	93
71) Phenanthrene	11.433	178	86267	8.287	ng	99
72) Anthracene	11.486	178	90288	8.626	ng	100
73) Carbazole	11.633	167	73209	8.540	ng	99
74) Di-n-butylphthalate	11.969	149	87363	8.465	ng	99
75) Fluoranthene	12.622	202	80614	8.435	ng	100
77) Benzidine	12.739	184	30711	8.314	ng	96
78) Pyrene	12.851	202	79743	8.805	ng	99
80) Butylbenzylphthalate	13.469	149	21968	7.742	ng	98
81) Benzo(a)anthracene	14.033	228	59383	8.149	ng	99
82) 3,3'-Dichlorobenzidine	13.998	252	18005	8.031	ng	99
83) Chrysene	14.069	228	54745	8.202	ng	97
84) Bis(2-ethylhexyl)phtha...	14.027	149	31195	7.705	ng	99
85) Di-n-octyl phthalate	14.639	149	47696	6.574	ng	98
87) Indeno(1,2,3-cd)pyrene	16.998	276	55057	7.385	ng	99
88) Benzo(b)fluoranthene	15.086	252	52032	8.002	ng	98
89) Benzo(k)fluoranthene	15.110	252	48056m	8.188	ng	
90) Benzo(a)pyrene	15.457	252	48001	8.402	ng	99
91) Dibenzo(a,h)anthracene	17.021	278	45805	7.405	ng	98
92) Benzo(g,h,i)perylene	17.445	276	43841	7.578	ng	97

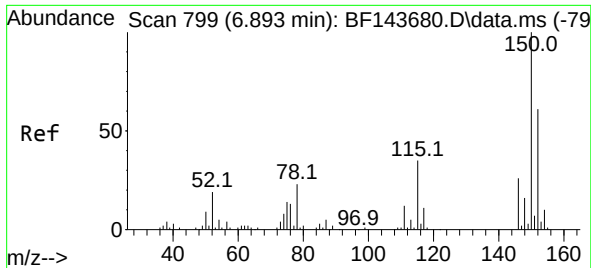
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations APPROVED

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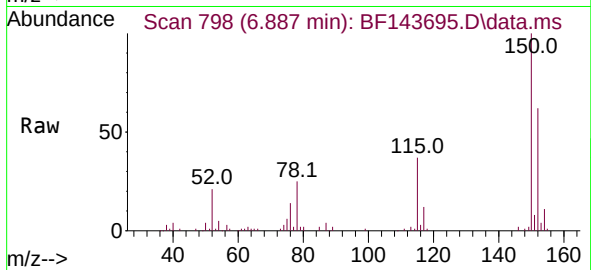
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.887 min Scan# 799
 Delta R.T. -0.006 min
 Lab File: BF143695.D
 Acq: 10 Sep 2025 10:49

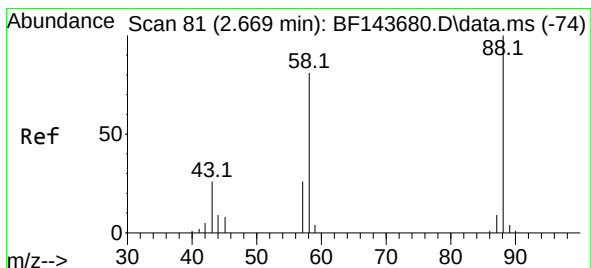
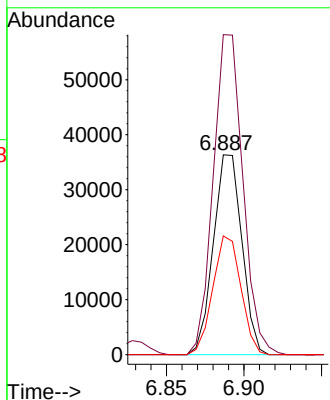
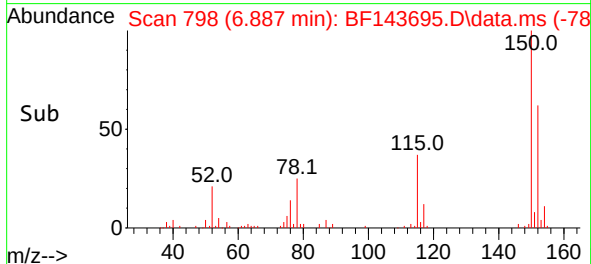
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2025



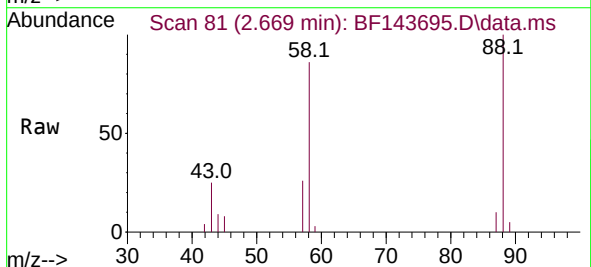
Tgt Ion: 152 Resp: 46662
 Ion Ratio Lower Upper
 152 100
 150 160.2 130.7 196.1
 115 59.4 45.9 68.9

Manual Integrations
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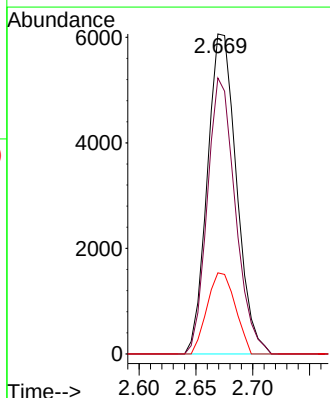
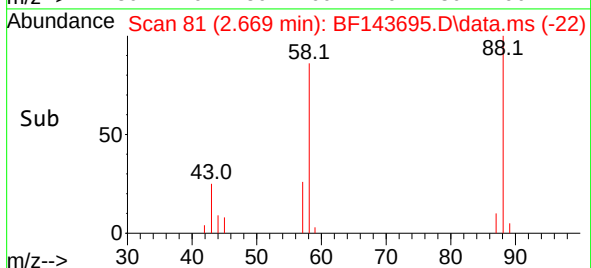
Reviewed By :Rahul Chavli 09/11/2025
 Supervised By :Jagrut Upadhyay 09/11/2025

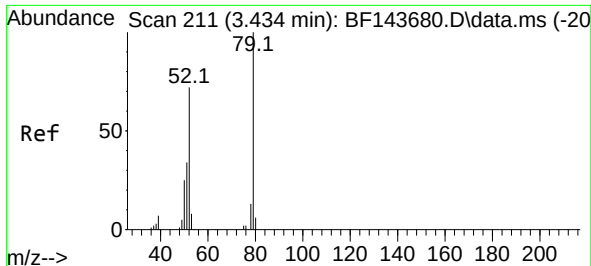


#2
 1,4-Dioxane
 Concen: 8.871 ng
 RT: 2.669 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: BF143695.D
 Acq: 10 Sep 2025 10:49



Tgt Ion: 88 Resp: 10823
 Ion Ratio Lower Upper
 88 100
 58 82.9 65.8 98.6
 43 24.4 20.6 31.0





#3

Pyridine

Concen: 8.088 ng

RT: 3.469 min Scan# 211

Delta R.T. 0.035 min

Lab File: BF143695.D

Acq: 10 Sep 2025 10:49

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2025

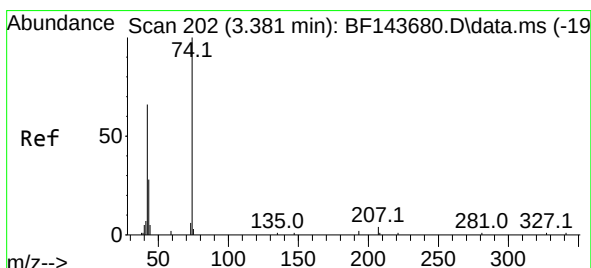
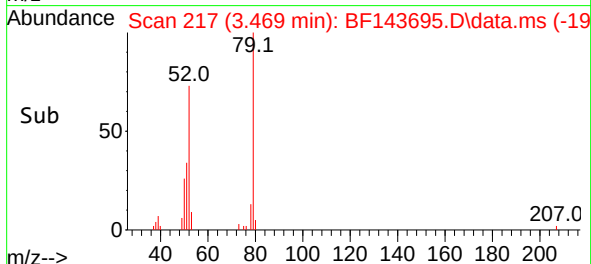
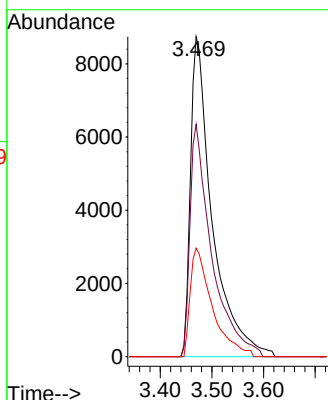
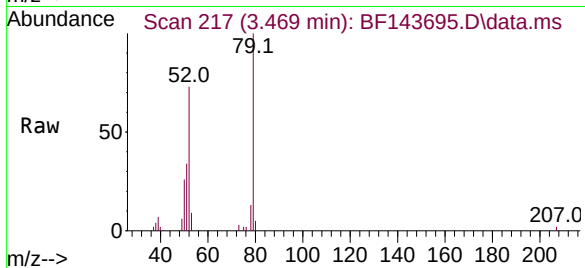
Tgt Ion: 79	Resp: 25493
Ion Ratio	Lower Upper
79 100	
52 72.6	57.2 85.8
51 33.9	27.0 40.6

Manual Integrations

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Supervised By :Jagrut Upadhyay 09/11/2025



#4

n-Nitrosodimethylamine

Concen: 8.906 ng

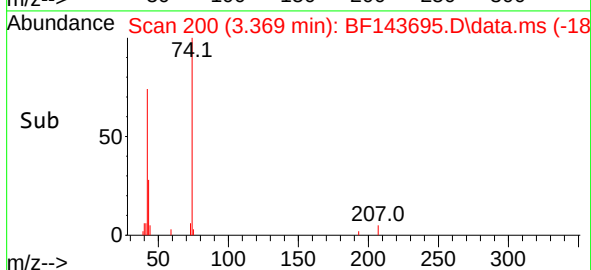
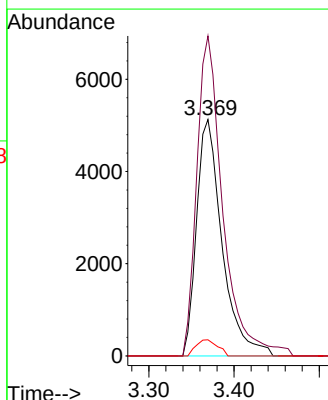
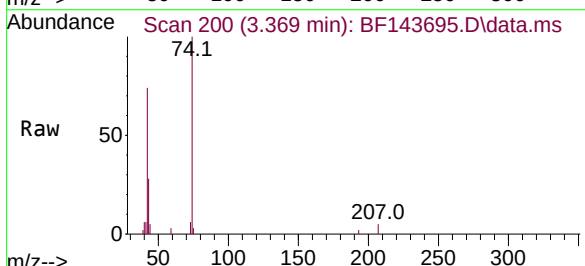
RT: 3.369 min Scan# 200

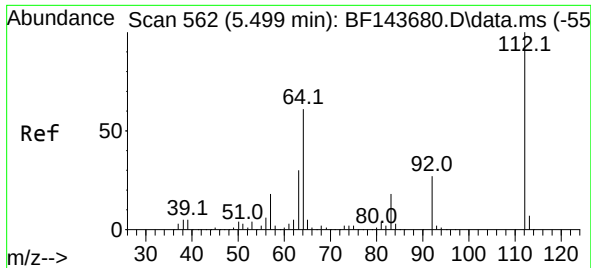
Delta R.T. -0.012 min

Lab File: BF143695.D

Acq: 10 Sep 2025 10:49

Tgt Ion: 42	Resp: 10662
Ion Ratio	Lower Upper
42 100	
74 135.3	120.9 181.3
44 6.8	6.5 9.7





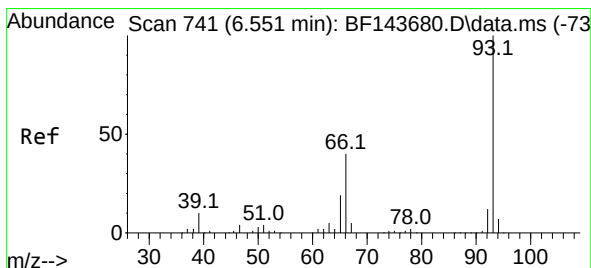
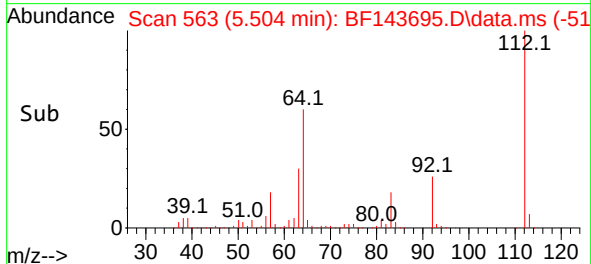
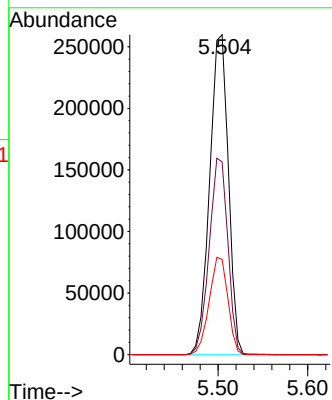
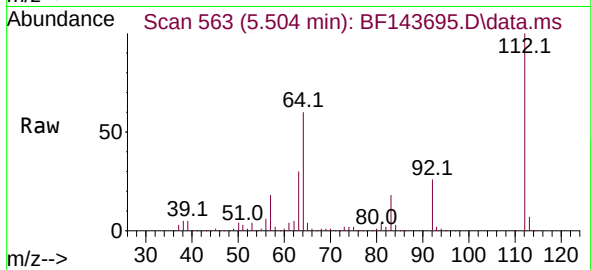
#5
2-Fluorophenol
Concen: 137.506 ng
RT: 5.504 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

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

Tgt Ion:112 Resp: 376112
Ion Ratio Lower Upper
112 100
64 60.2 49.0 73.4
63 29.8 24.3 36.5

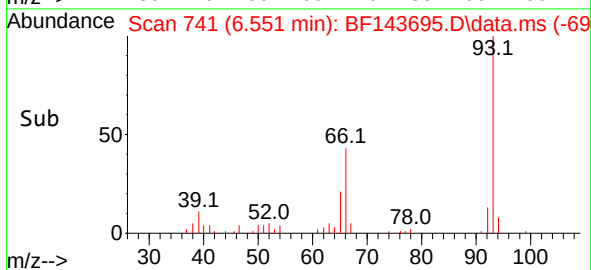
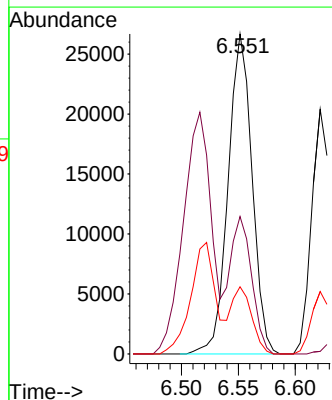
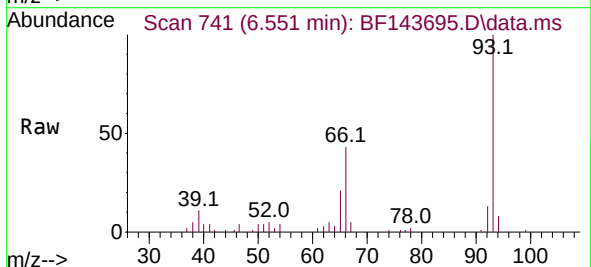
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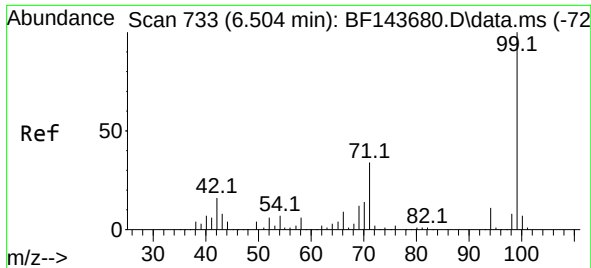
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#6
Aniline
Concen: 8.869 ng
RT: 6.551 min Scan# 741
Delta R.T. -0.000 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

Tgt Ion: 93 Resp: 39122
Ion Ratio Lower Upper
93 100
66 42.9 34.1 51.1
65 21.0 16.1 24.1





#7

Phenol-d6

Concen: 140.342 ng

RT: 6.510 min Scan# 733

Delta R.T. 0.006 min

Lab File: BF143695.D

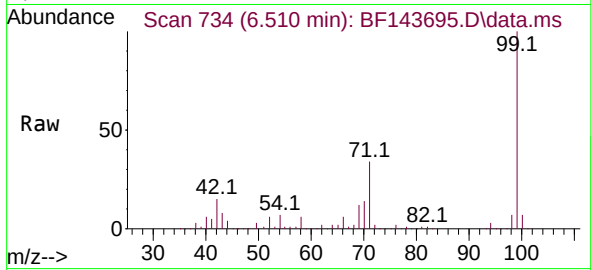
Acq: 10 Sep 2025 10:49

Instrument :

BNA_F

ClientSampleId :

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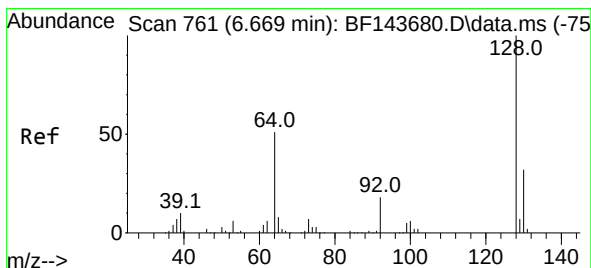
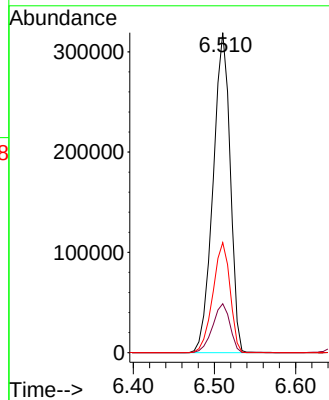
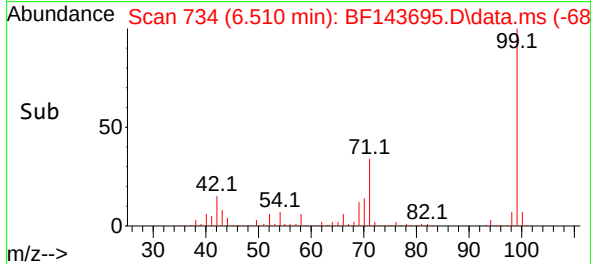
Tgt Ion:	99	Ratio	100	Lower	Upper
99	100				
42	15.3		13.0	19.4	
71	34.4		27.4	41.2	

Manual Integrations

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#8

2-Chlorophenol

Concen: 8.428 ng

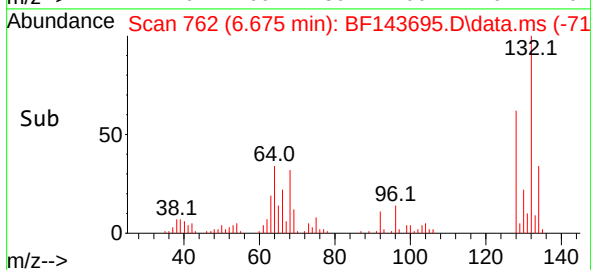
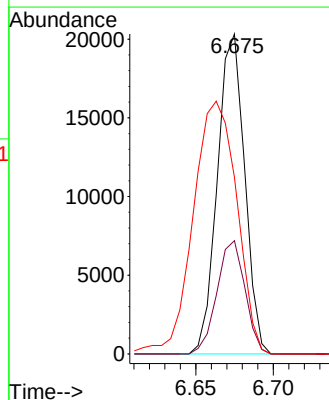
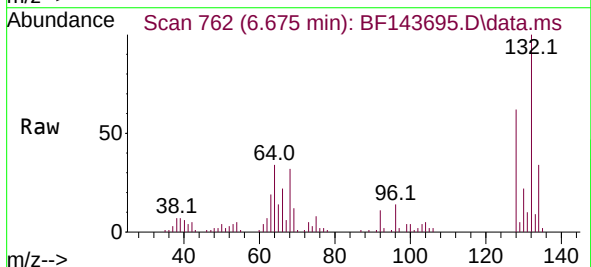
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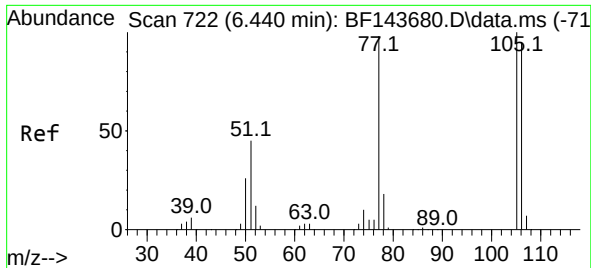
Delta R.T. 0.006 min

Lab File: BF143695.D

Acq: 10 Sep 2025 10:49

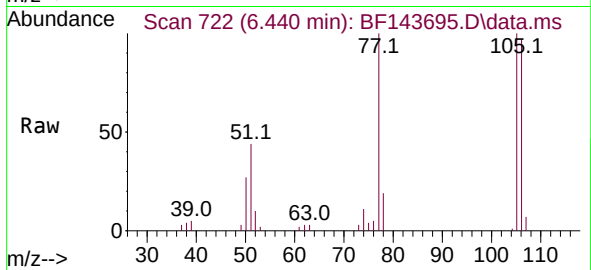
Tgt Ion:	128	Ratio	100	Lower	Upper
128	100				
130	35.4		12.0	52.0	
64	55.2		31.9	71.9	





#9
Benzaldehyde
Concen: 7.908 ng
RT: 6.440 min Scan# 722
Delta R.T. -0.000 min
Lab File: BF143695.D
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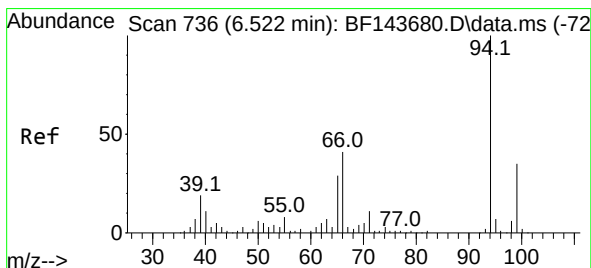
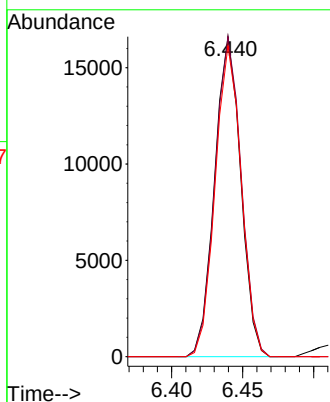
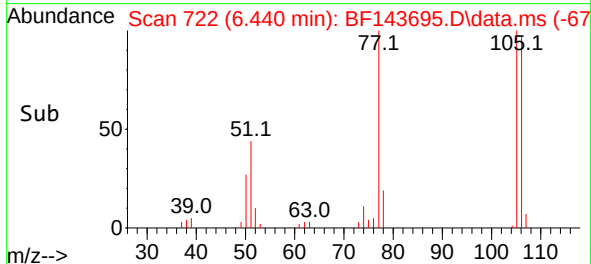
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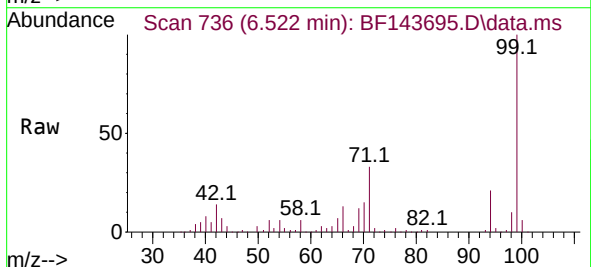
Tgt Ion: 77 Resp: 21249
Ion Ratio Lower Upper
77 100
105 100.0 81.7 121.7
106 97.1 76.9 116.9

Manual Integrations
APPROVED

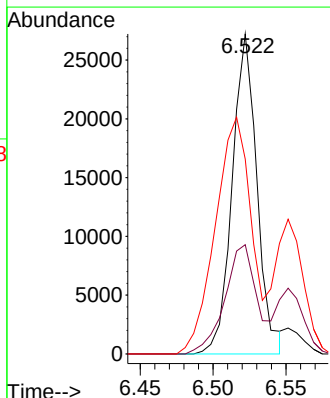
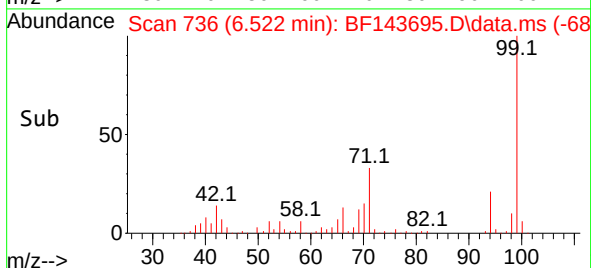
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025

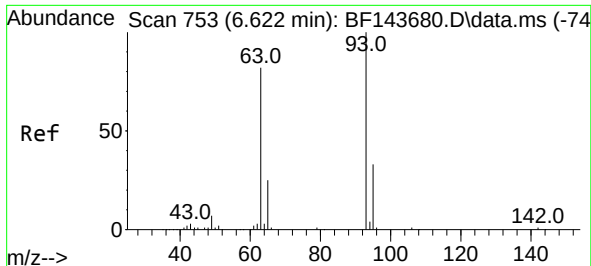


#10
Phenol
Concen: 8.730 ng m
RT: 6.522 min Scan# 736
Delta R.T. -0.000 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49



Tgt Ion: 94 Resp: 32138
Ion Ratio Lower Upper
94 100
65 34.1 9.1 49.1
66 60.9 20.8 60.8#





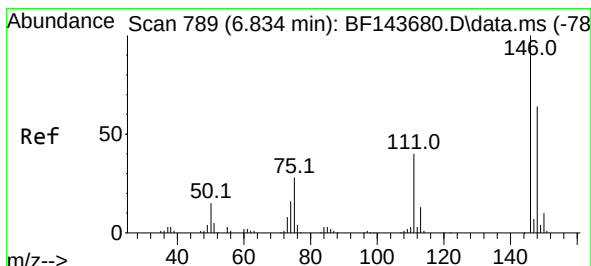
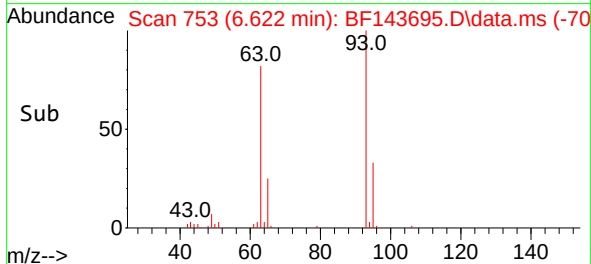
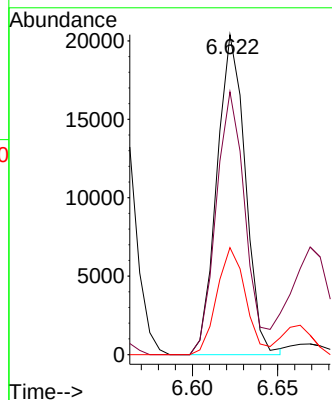
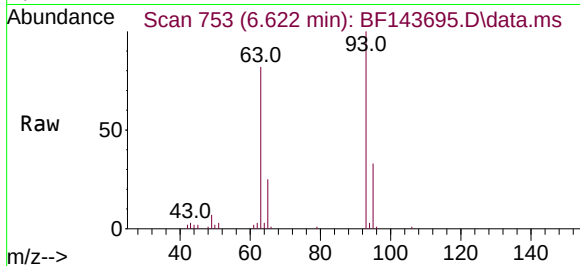
#11
bis(2-Chloroethyl)ether
Concen: 8.601 ng
RT: 6.622 min Scan# 753
Delta R.T. -0.000 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

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

Tgt Ion: 93 Resp: 23650
Ion Ratio Lower Upper
93 100
63 82.1 61.8 101.8
95 33.4 12.6 52.6

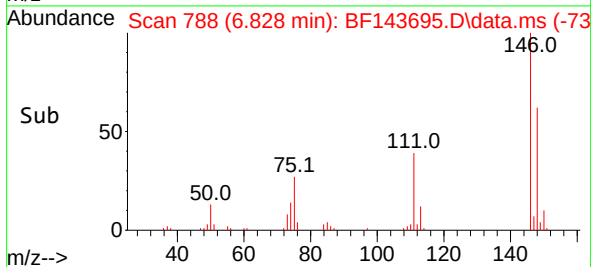
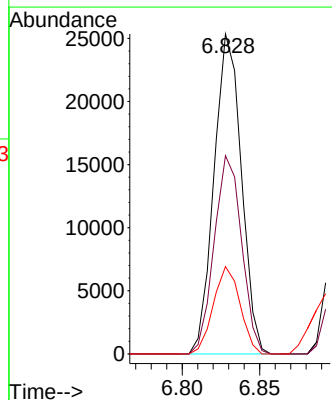
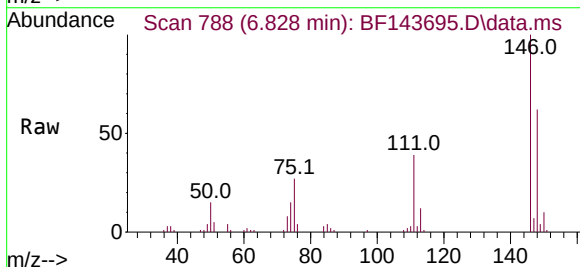
Manual Integrations
APPROVED

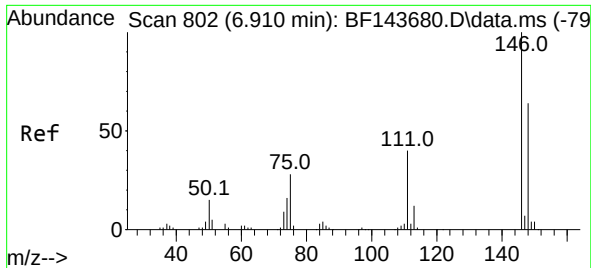
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#12
1,3-Dichlorobenzene
Concen: 9.199 ng
RT: 6.828 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

Tgt Ion:146 Resp: 31078
Ion Ratio Lower Upper
146 100
148 61.9 51.0 76.4
75 27.3 22.0 33.0





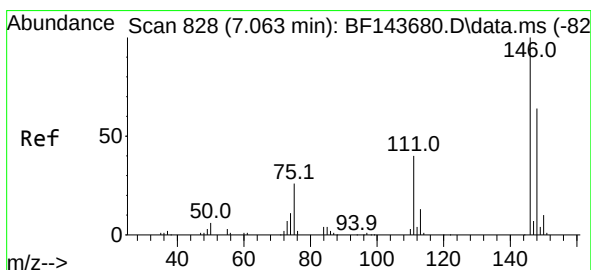
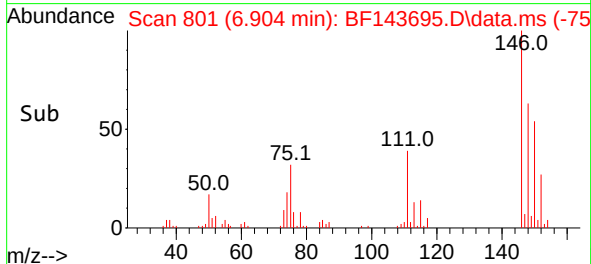
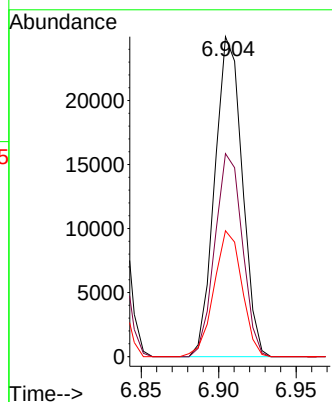
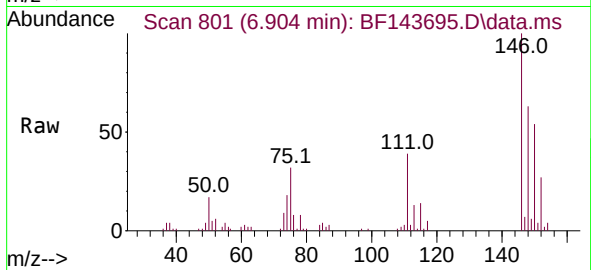
#13
1,4-Dichlorobenzene
Concen: 9.016 ng
RT: 6.904 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

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

Tgt Ion:146 Resp: 30746
Ion Ratio Lower Upper
146 100
148 63.4 51.2 76.8
111 39.3 31.8 47.8

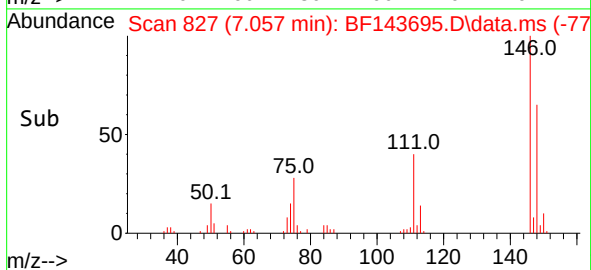
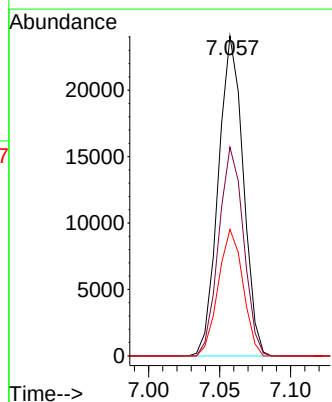
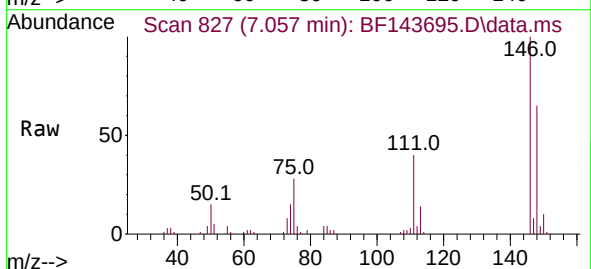
Manual Integrations
APPROVED

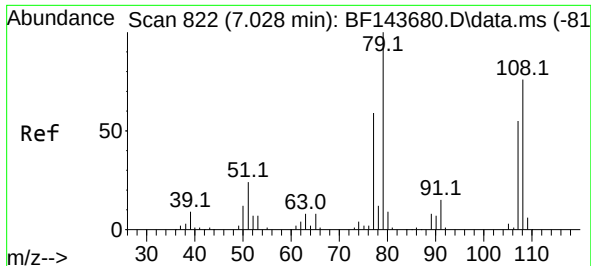
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#14
1,2-Dichlorobenzene
Concen: 9.127 ng
RT: 7.057 min Scan# 827
Delta R.T. -0.006 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

Tgt Ion:146 Resp: 29393
Ion Ratio Lower Upper
146 100
148 65.2 51.0 76.4
111 39.5 32.3 48.5





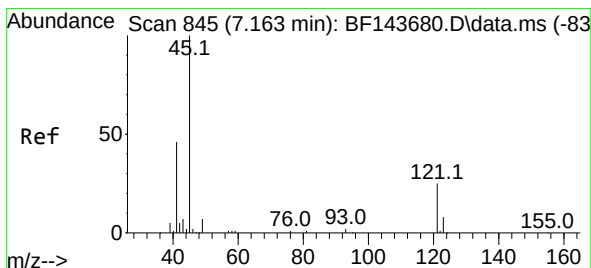
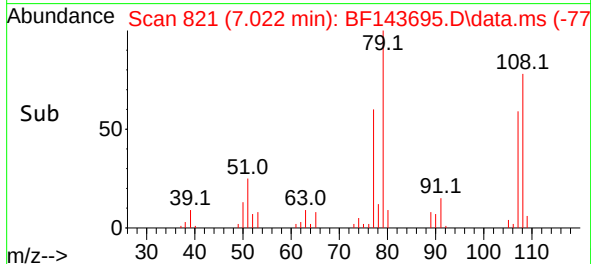
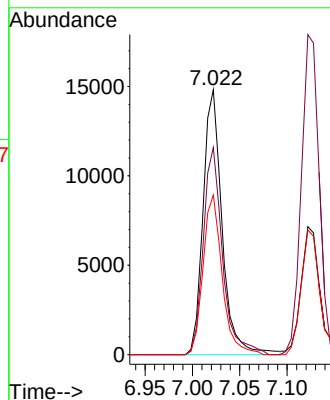
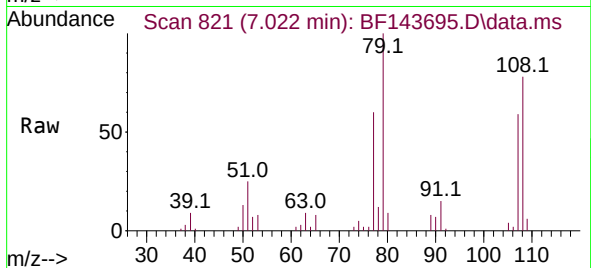
#15
Benzyl Alcohol
Concen: 8.557 ng
RT: 7.022 min Scan# 821
Delta R.T. -0.006 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

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

Tgt Ion: 79 Resp: 20729
Ion Ratio Lower Upper
79 100
108 78.2 60.9 91.3
77 60.2 47.4 71.2

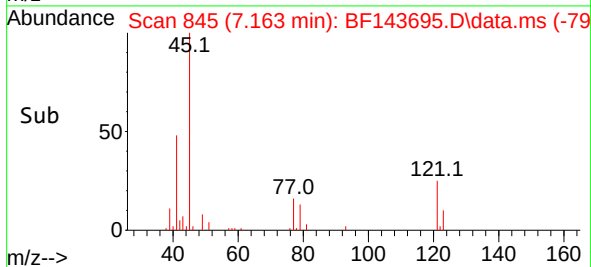
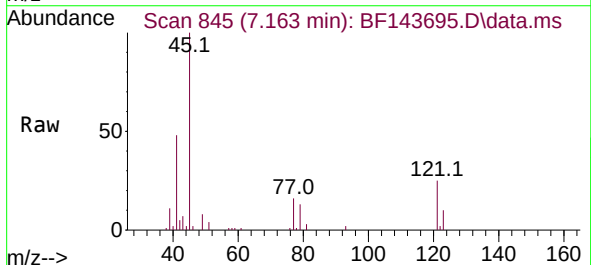
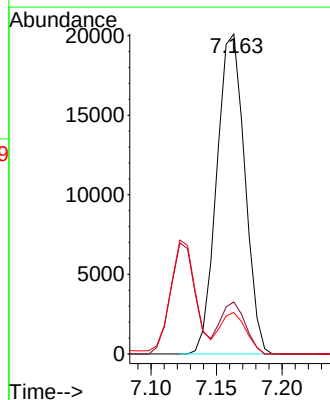
Manual Integrations
APPROVED

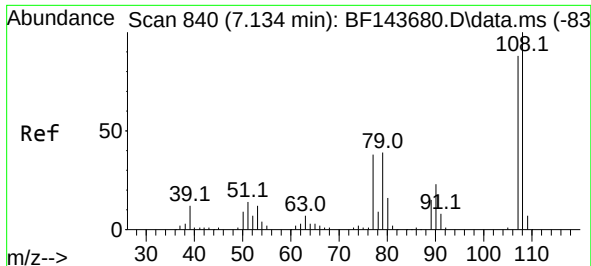
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 8.313 ng
RT: 7.163 min Scan# 845
Delta R.T. -0.000 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

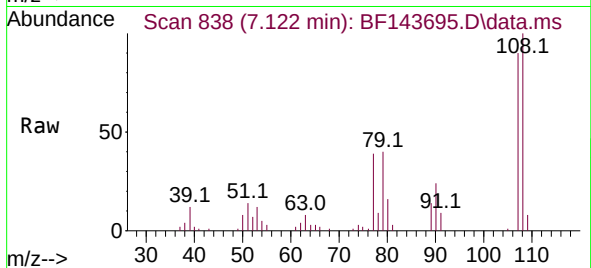
Tgt Ion: 45 Resp: 29904
Ion Ratio Lower Upper
45 100
77 16.2 0.0 34.6
79 12.9 0.0 31.3





#17
2-Methylphenol
Concen: 8.849 ng
RT: 7.122 min Scan# 840
Delta R.T. -0.012 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

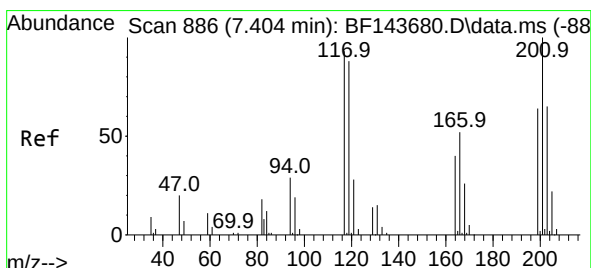
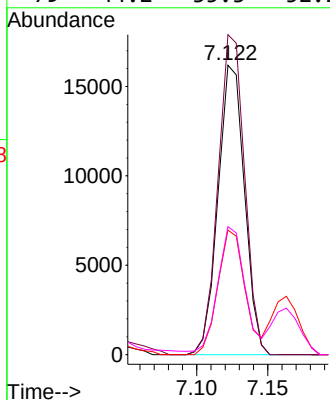
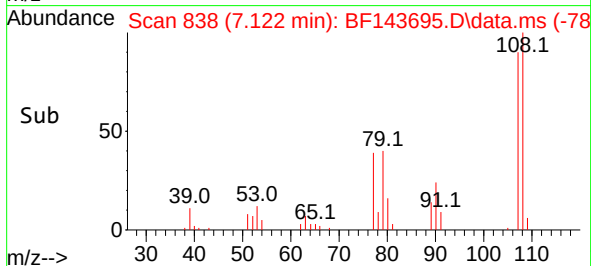
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:	107	Resp:	21030
Ion Ratio	Lower	Upper	
107	100		
108	110.6	90.9	136.3
77	43.1	34.4	51.6
79	44.2	35.3	52.9

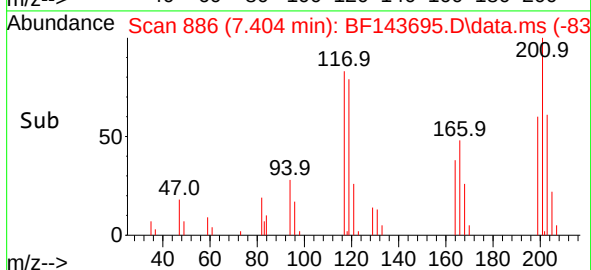
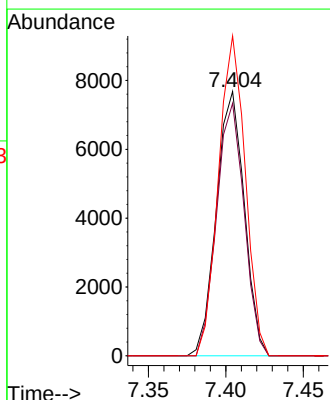
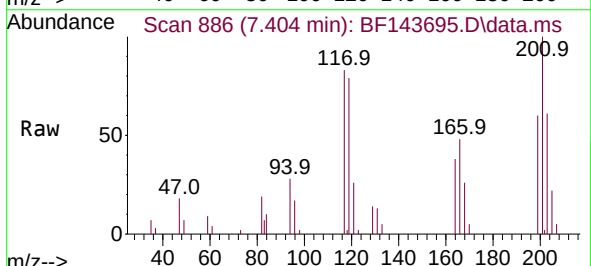
Manual Integrations
APPROVED

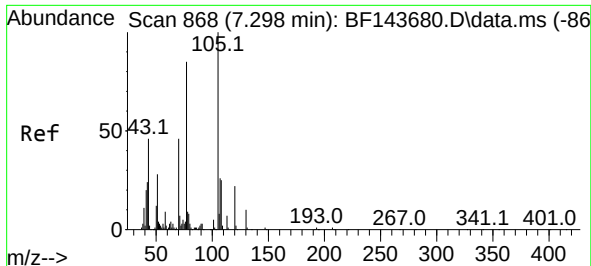
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#18
Hexachloroethane
Concen: 8.775 ng
RT: 7.404 min Scan# 886
Delta R.T. -0.000 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

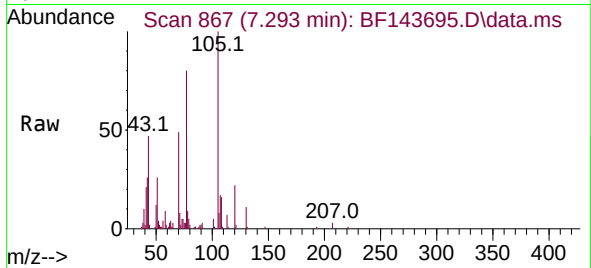
Tgt Ion:	117	Resp:	9666
Ion Ratio	Lower	Upper	
117	100		
119	95.5	76.2	114.2
201	121.0	86.4	129.6





#19
n-Nitroso-di-n-propylamine
Concen: 9.009 ng
RT: 7.293 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

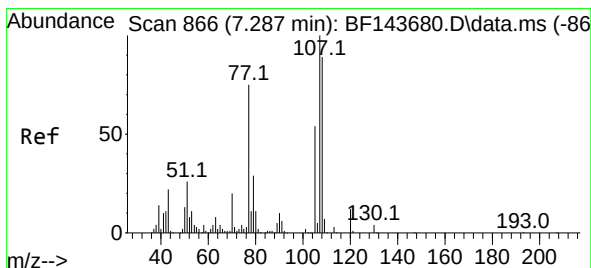
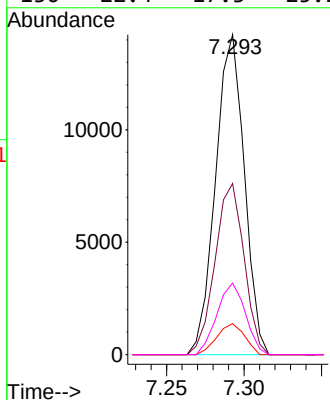
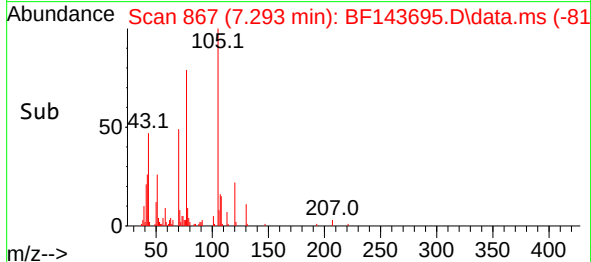
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 70 Resp: 1842
Ion Ratio Lower Upper
70 100
42 53.5 41.4 62.2
101 9.7 8.1 12.1
130 22.4 17.3 25.9

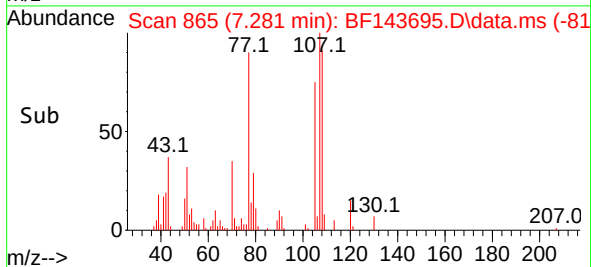
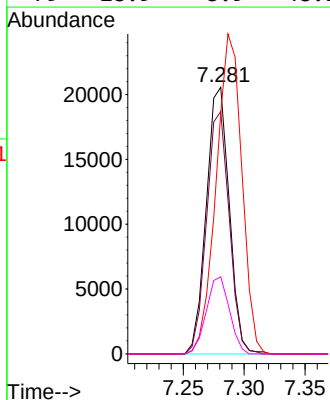
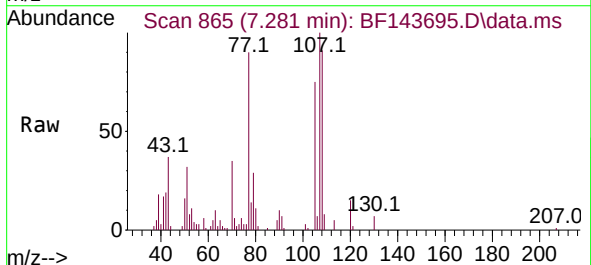
Manual Integrations
APPROVED

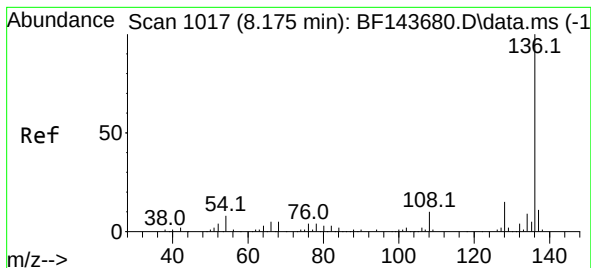
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#20
3+4-Methylphenols
Concen: 8.616 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.006 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

Tgt Ion:107 Resp: 26963
Ion Ratio Lower Upper
107 100
108 90.9 68.6 108.6
77 90.5 54.6 94.6
79 28.9 8.9 48.9





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1016

Delta R.T. -0.006 min

Lab File: BF143695.D

Acq: 10 Sep 2025 10:49

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2025

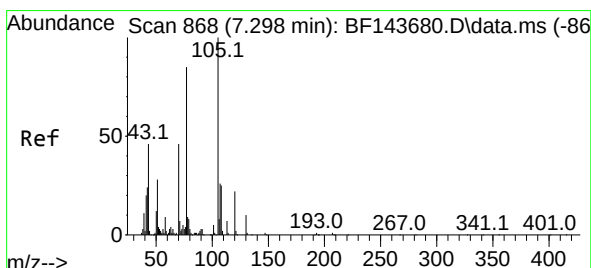
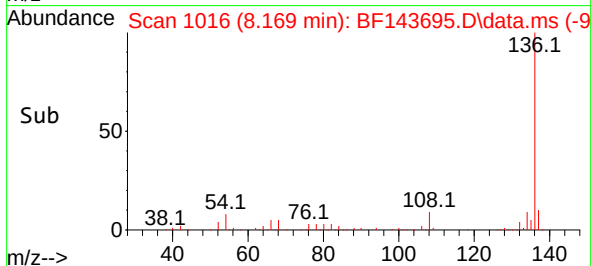
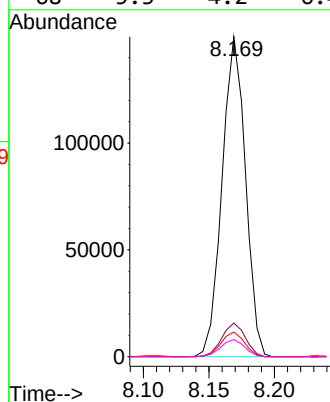
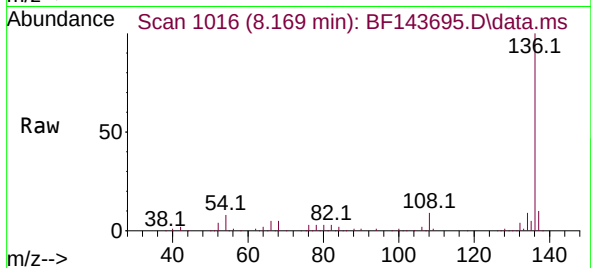
Tgt Ion:136	Resp: 185966
Ion Ratio	Lower Upper
136 100	
137 10.5	8.7 13.1
54 7.7	6.2 9.2
68 5.3	4.2 6.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/11/2025

Supervised By :Jagrut Upadhyay 09/11/2025



#22

Acetophenone

Concen: 8.692 ng

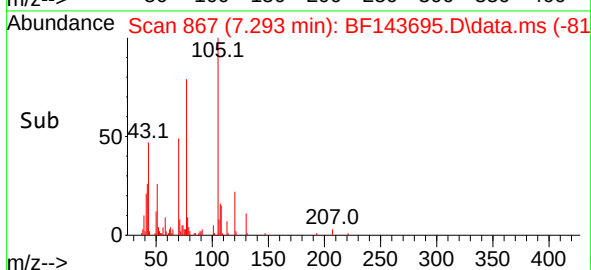
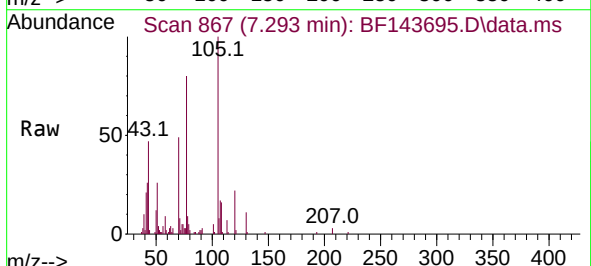
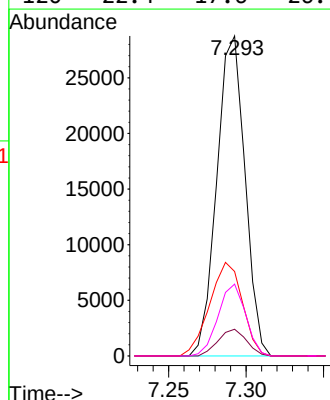
RT: 7.293 min Scan# 867

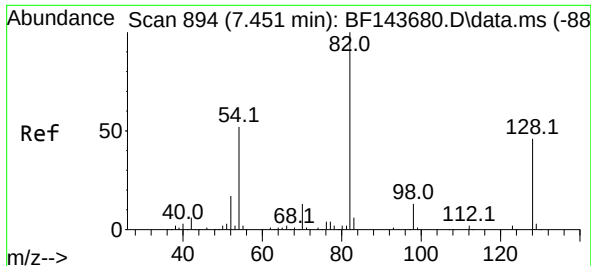
Delta R.T. -0.006 min

Lab File: BF143695.D

Acq: 10 Sep 2025 10:49

Tgt Ion:105	Resp: 36505
Ion Ratio	Lower Upper
105 100	
71 8.3	5.9 8.9
51 26.4	22.4 33.6
120 22.4	17.6 26.4





#23

Nitrobenzene-d5

Concen: 97.971 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.000 min

Lab File: BF143695.D

Acq: 10 Sep 2025 10:49

Instrument :

BNA_F

ClientSampleId :

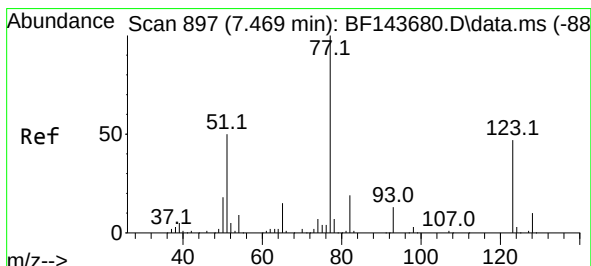
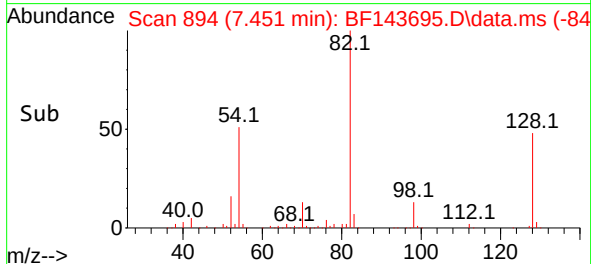
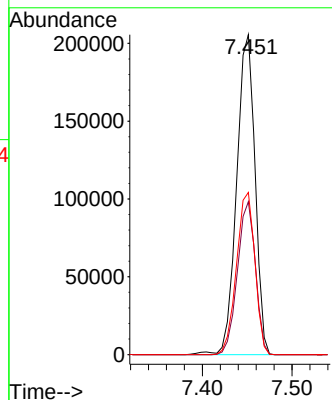
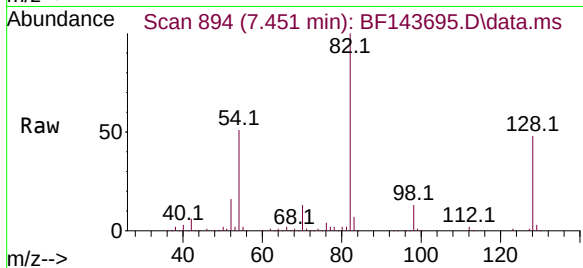
MDL-SOIL-03-QT3-2025

Tgt Ion: 82 Resp: 292911
 Ion Ratio Lower Upper
 82 100
 128 47.8 37.0 55.4
 54 50.7 41.8 62.8

Manual Integrations

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Reviewed By :Rahul Chavli 09/11/2025
 Supervised By :Jagrut Upadhyay 09/11/2025



#24

Nitrobenzene

Concen: 8.544 ng

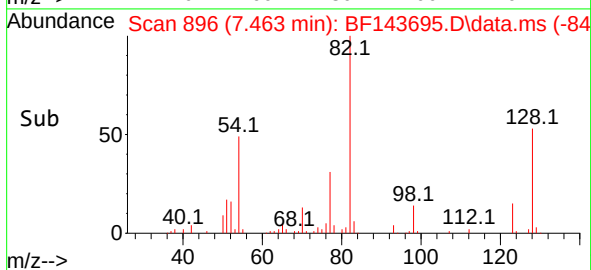
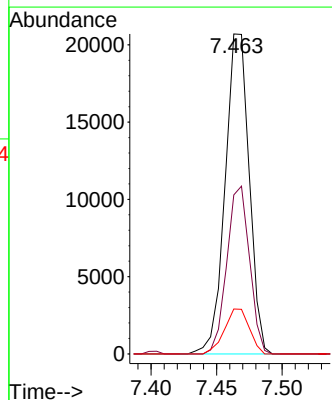
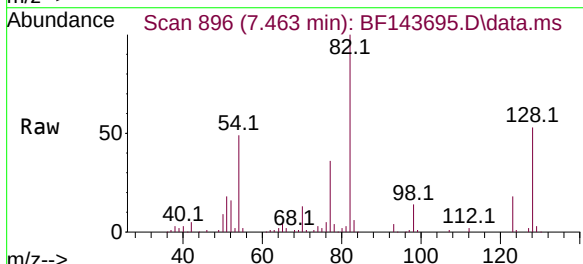
RT: 7.463 min Scan# 896

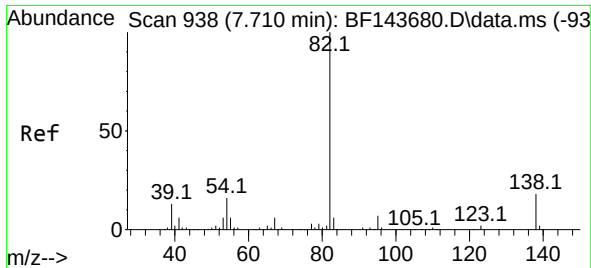
Delta R.T. -0.006 min

Lab File: BF143695.D

Acq: 10 Sep 2025 10:49

Tgt Ion: 77 Resp: 26487
 Ion Ratio Lower Upper
 77 100
 123 49.7 37.4 56.0
 65 14.0 11.6 17.4





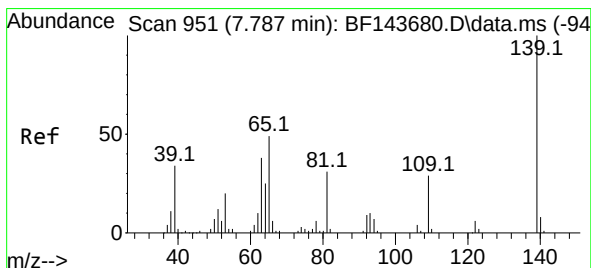
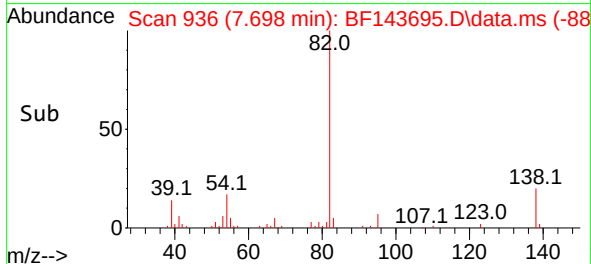
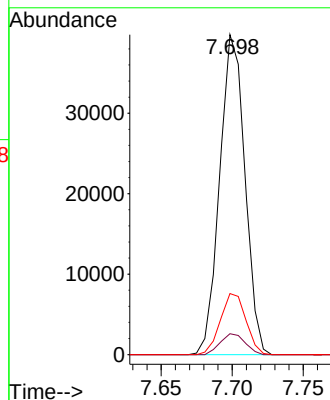
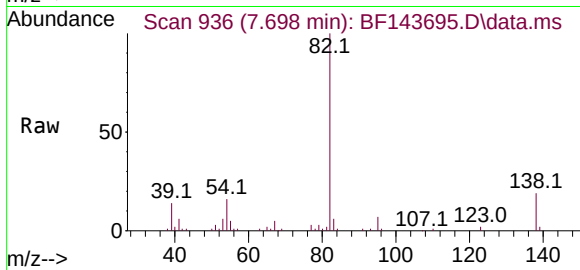
#25
Isophorone
Concen: 8.588 ng
RT: 7.698 min Scan# 936
Delta R.T. -0.012 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

Instrument : BNA_F
Client SampleId : MDL-SOIL-03-QT3-2025

Tgt Ion: 82 Resp: 49235
Ion Ratio Lower Upper
82 100
95 6.5 5.7 8.5
138 19.1 14.8 22.2

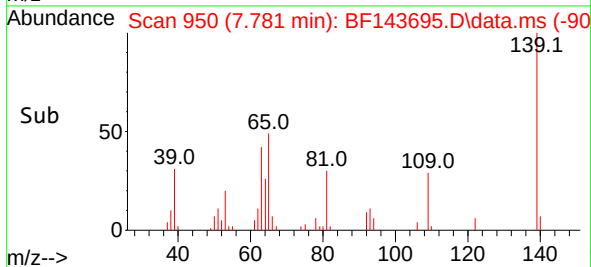
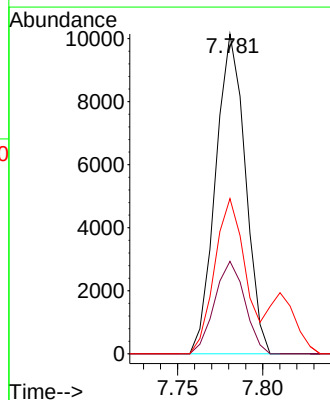
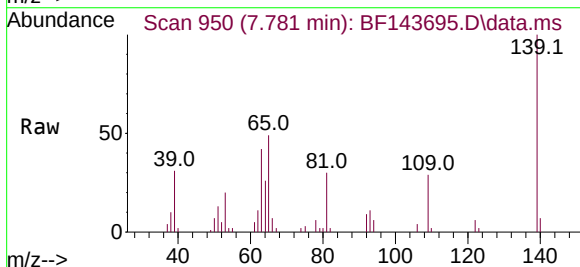
Manual Integrations
APPROVED

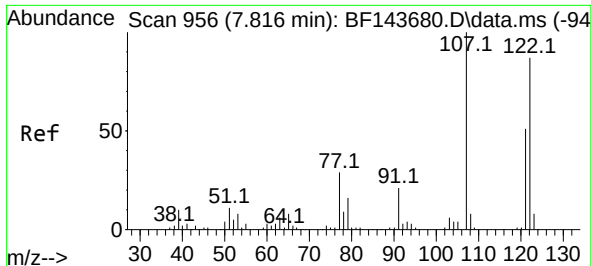
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#26
2-Nitrophenol
Concen: 8.049 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.006 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

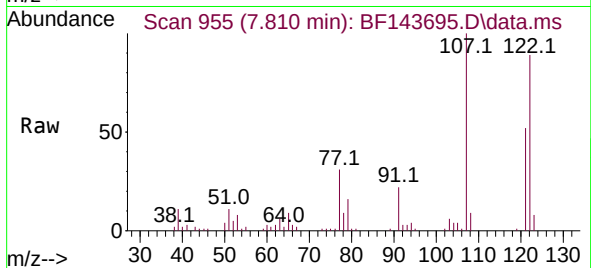
Tgt Ion:139 Resp: 12269
Ion Ratio Lower Upper
139 100
109 28.9 22.8 34.2
65 48.5 39.2 58.8





#27
2,4-Dimethylphenol
Concen: 9.129 ng
RT: 7.810 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

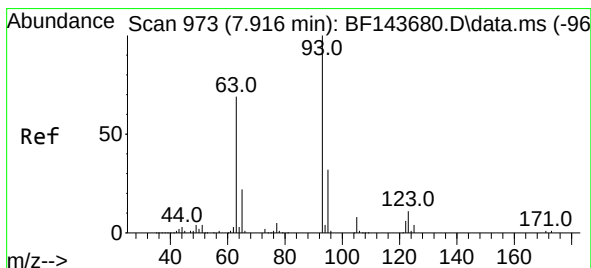
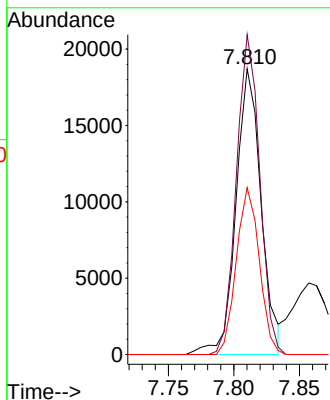
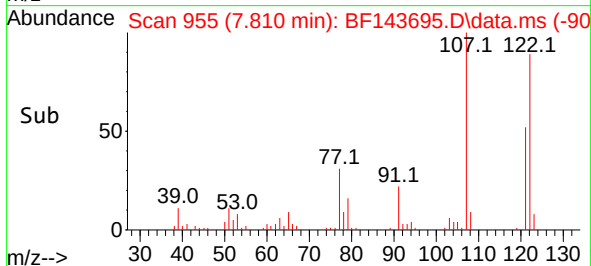
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025



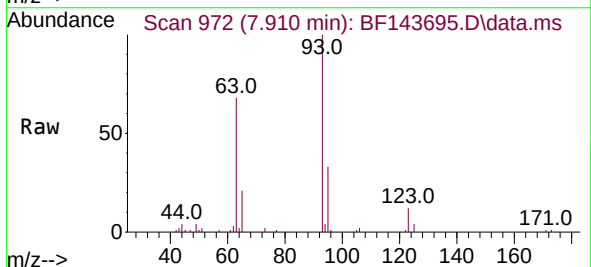
Tgt Ion:122 Resp: 24980
Ion Ratio Lower Upper
122 100
107 112.0 92.1 138.1
121 58.4 46.9 70.3

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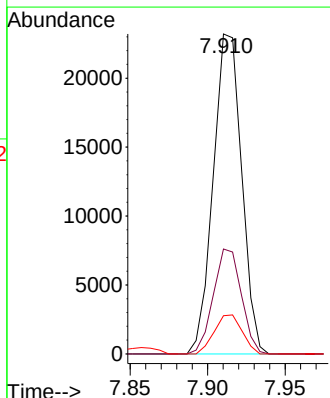
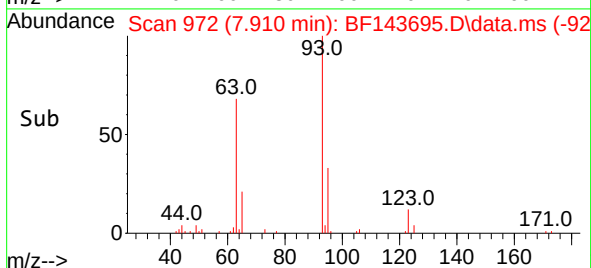
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025

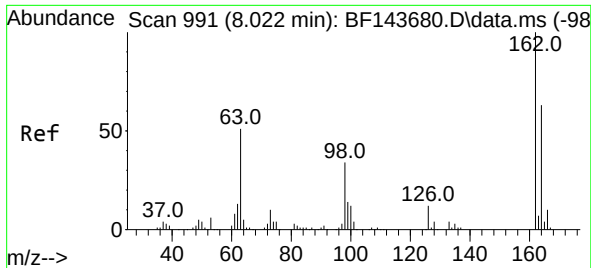


#28
bis(2-Chloroethoxy)methane
Concen: 8.407 ng
RT: 7.910 min Scan# 972
Delta R.T. -0.006 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49



Tgt Ion: 93 Resp: 29620
Ion Ratio Lower Upper
93 100
95 32.8 26.0 39.0
123 11.9 9.6 14.4





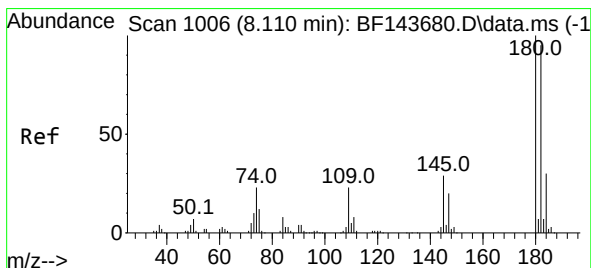
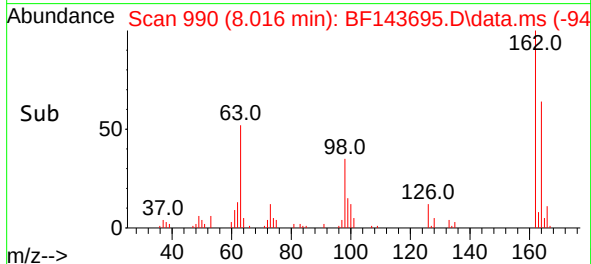
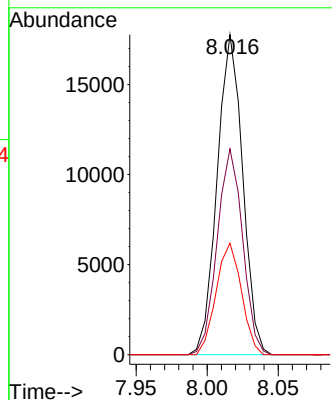
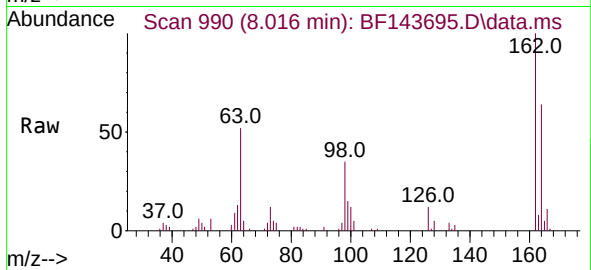
#29
2,4-Dichlorophenol
Concen: 8.099 ng
RT: 8.016 min Scan# 991
Delta R.T. -0.006 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

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

Tgt Ion:162 Resp: 22292
Ion Ratio Lower Upper
162 100
164 64.3 43.0 83.0
98 34.8 13.8 53.8

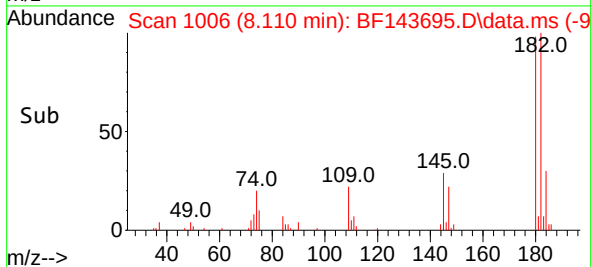
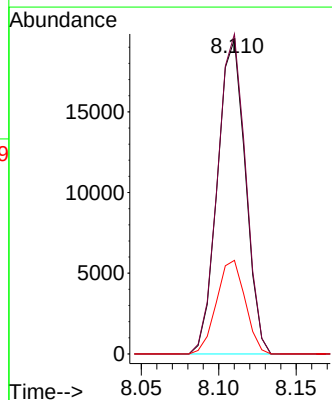
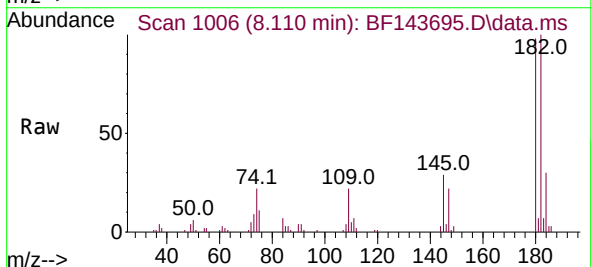
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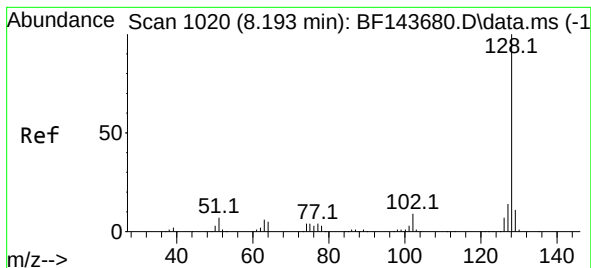
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#30
1,2,4-Trichlorobenzene
Concen: 8.585 ng
RT: 8.110 min Scan# 1006
Delta R.T. -0.000 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

Tgt Ion:180 Resp: 24480
Ion Ratio Lower Upper
180 100
182 101.7 76.2 114.4
145 29.7 23.2 34.8





#31

Naphthalene

Concen: 8.307 ng

RT: 8.192 min Scan# 10

Delta R.T. -0.000 min

Lab File: BF143695.D

Acq: 10 Sep 2025 10:49

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2025

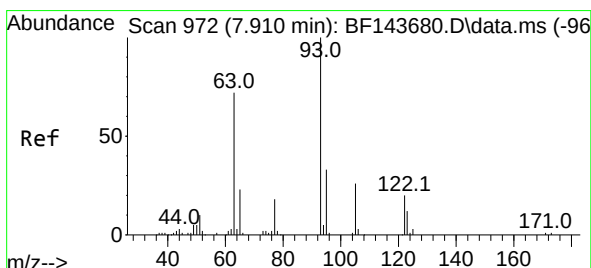
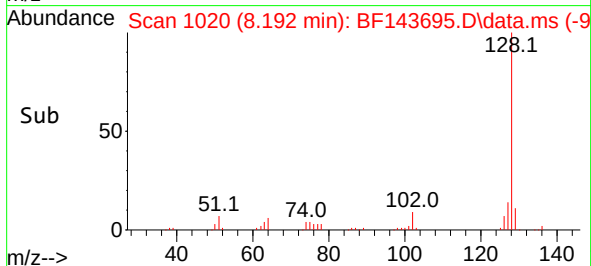
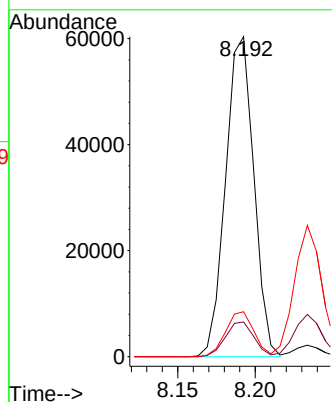
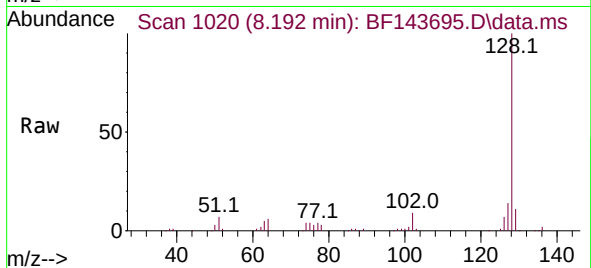
Tgt Ion:128 Resp: 76476
 Ion Ratio Lower Upper
 128 100
 129 10.8 8.8 13.2
 127 14.0 10.9 16.3

Manual Integrations

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Reviewed By :Rahul Chavli 09/11/2025

Supervised By :Jagrut Upadhyay 09/11/2025



#32

Benzoic acid

Concen: 5.709 ng

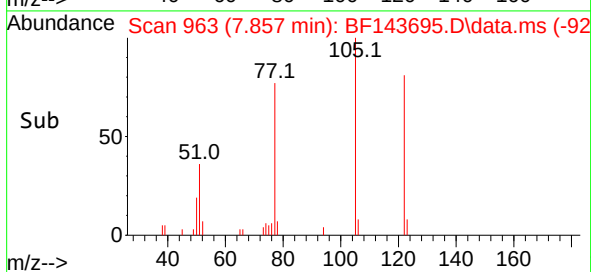
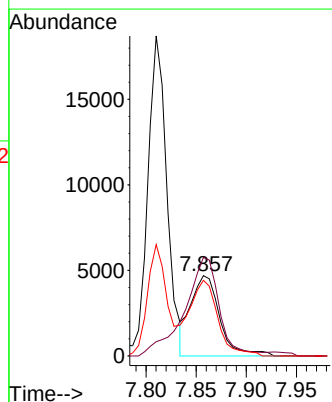
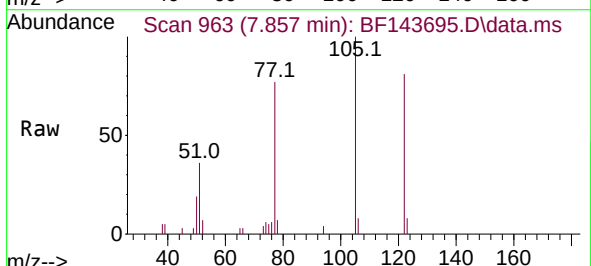
RT: 7.857 min Scan# 963

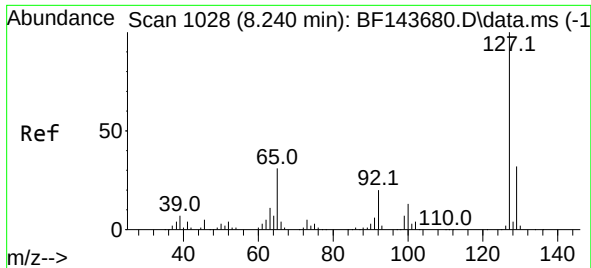
Delta R.T. -0.053 min

Lab File: BF143695.D

Acq: 10 Sep 2025 10:49

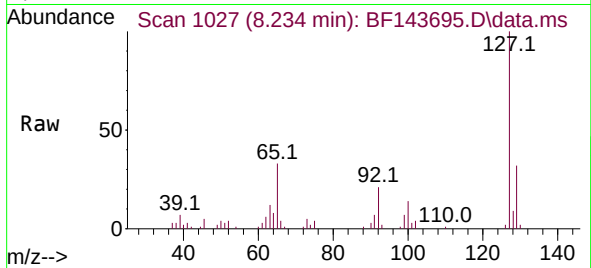
Tgt Ion:122 Resp: 9531
 Ion Ratio Lower Upper
 122 100
 105 122.7 105.2 145.2
 77 94.3 72.0 112.0





#33
4-Chloroaniline
Concen: 9.387 ng
RT: 8.234 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

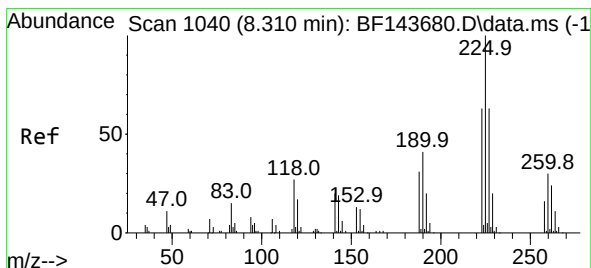
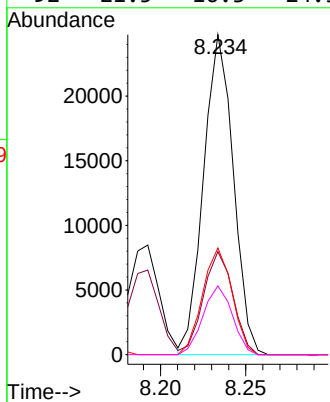
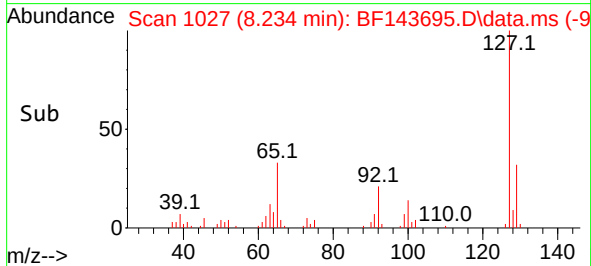
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:127 Resp: 30083
Ion Ratio Lower Upper
127 100
129 32.2 26.0 39.0
65 33.3 24.6 36.8
92 21.5 16.3 24.5

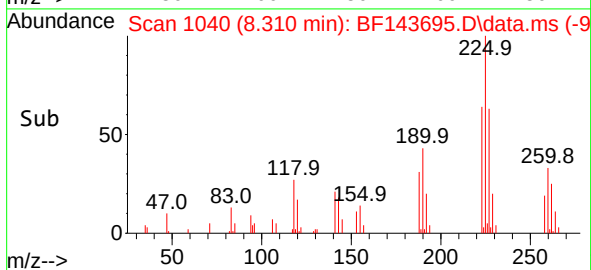
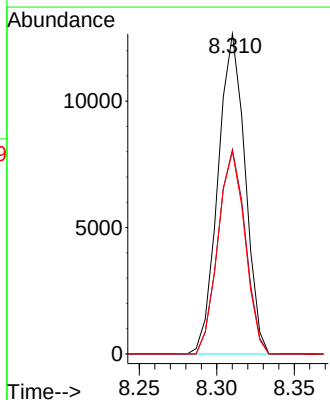
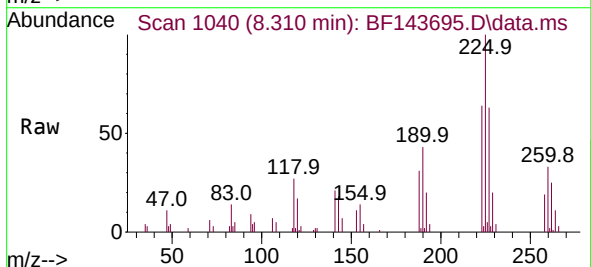
Manual Integrations
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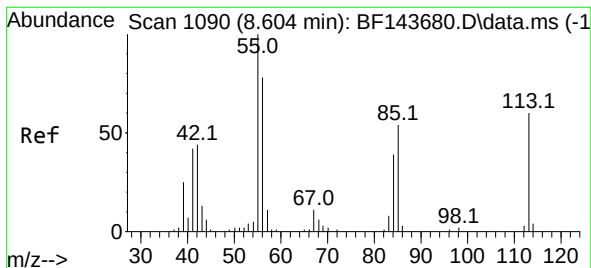
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#34
Hexachlorobutadiene
Concen: 8.306 ng
RT: 8.310 min Scan# 1040
Delta R.T. -0.000 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

Tgt Ion:225 Resp: 15448
Ion Ratio Lower Upper
225 100
223 63.9 50.6 76.0
227 63.2 50.8 76.2





#35

Caprolactam

Concen: 8.519 ng

RT: 8.563 min Scan# 1090

Delta R.T. -0.041 min

Lab File: BF143695.D

Acq: 10 Sep 2025 10:49

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2025

Tgt Ion:113 Resp: 624

Ion Ratio Lower Upper

113 100

55 152.5 148.9 188.9

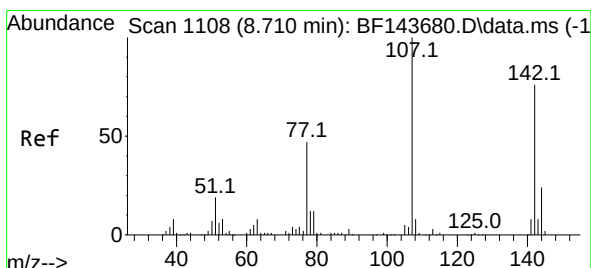
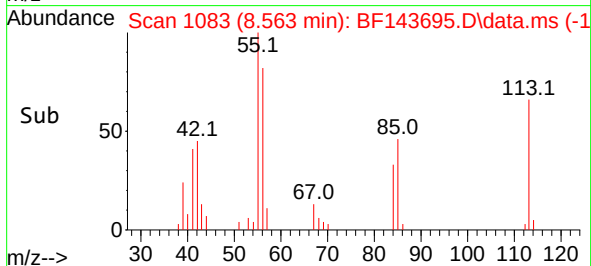
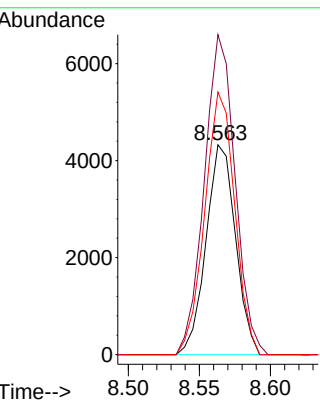
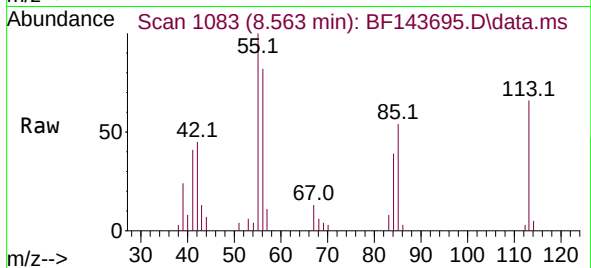
56 125.1 112.8 152.8

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Reviewed By :Rahul Chavli 09/11/2025

Supervised By :Jagrut Upadhyay 09/11/2025



#36

4-Chloro-3-methylphenol

Concen: 8.439 ng

RT: 8.704 min Scan# 1107

Delta R.T. -0.006 min

Lab File: BF143695.D

Acq: 10 Sep 2025 10:49

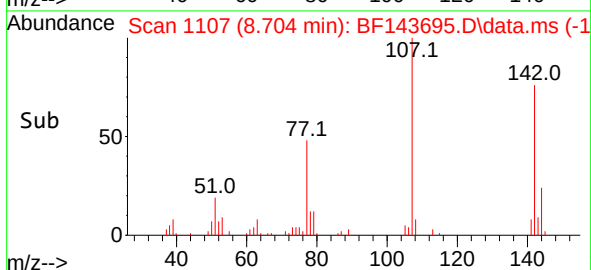
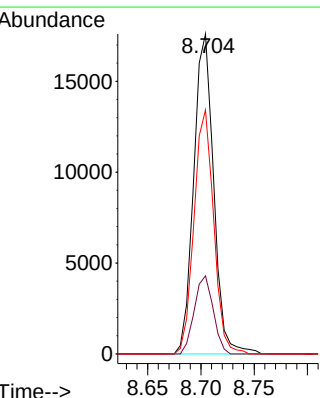
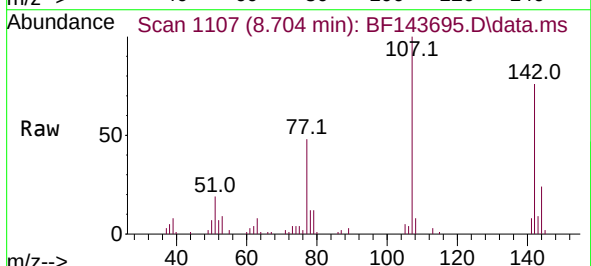
Tgt Ion:107 Resp: 22903

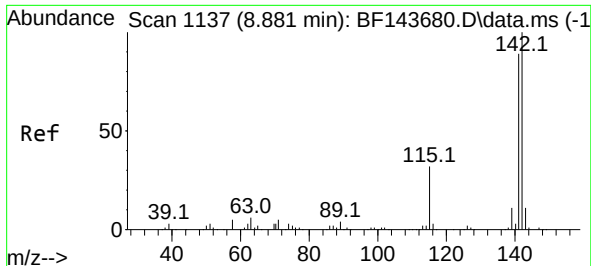
Ion Ratio Lower Upper

107 100

144 24.4 19.4 29.2

142 76.2 60.6 91.0





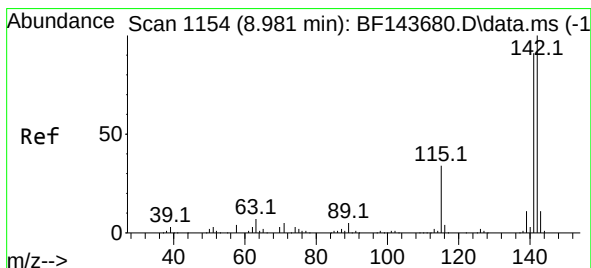
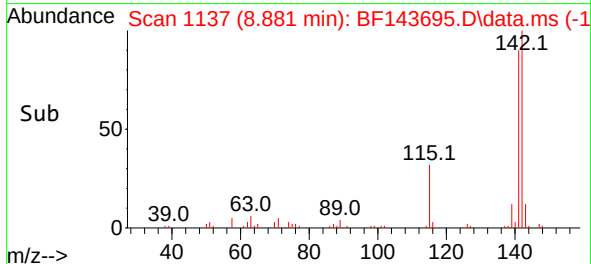
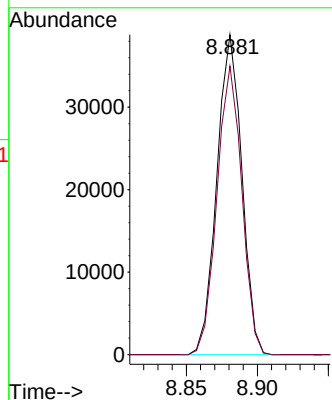
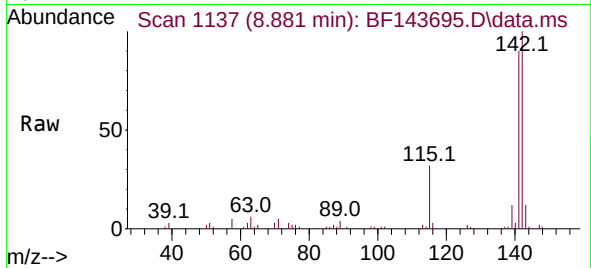
#37
2-Methylnaphthalene
Concen: 7.543 ng
RT: 8.881 min Scan# 1137
Delta R.T. -0.000 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

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

Tgt Ion:142 Resp: 4753
Ion Ratio Lower Upper
142 100
141 90.1 71.1 106.7

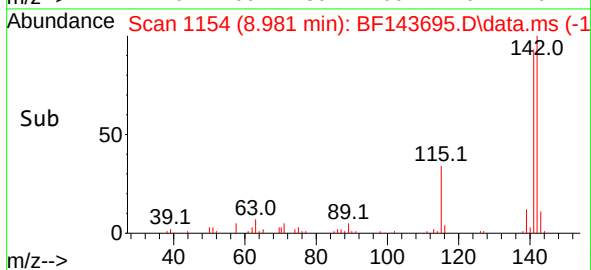
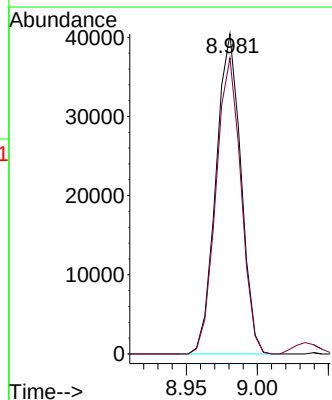
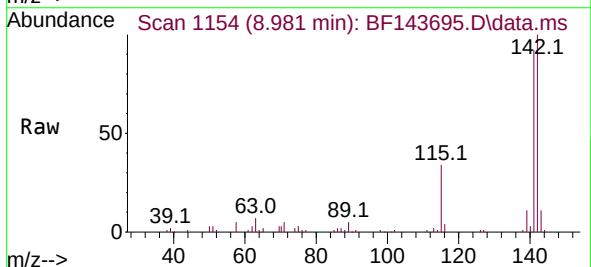
Manual Integrations
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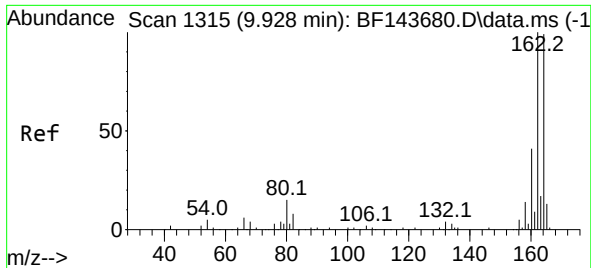
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#38
1-Methylnaphthalene
Concen: 8.164 ng
RT: 8.981 min Scan# 1154
Delta R.T. -0.000 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

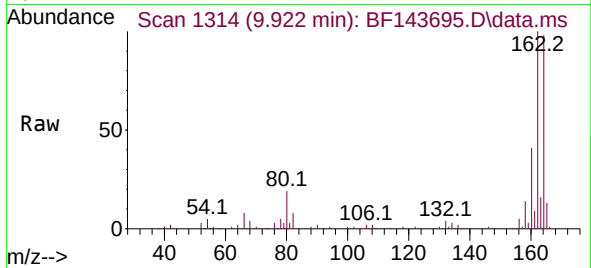
Tgt Ion:142 Resp: 49374
Ion Ratio Lower Upper
142 100
141 92.5 72.9 109.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

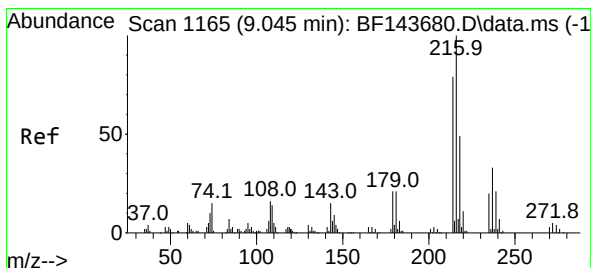
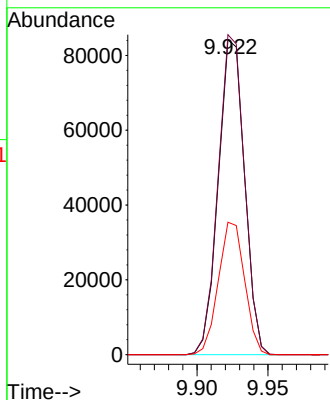
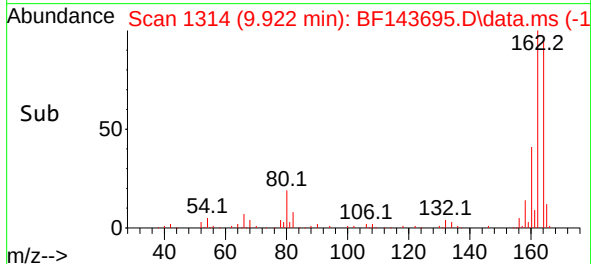
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:164 Resp: 108417
Ion Ratio Lower Upper
164 100
162 101.6 80.6 121.0
160 42.1 33.0 49.4

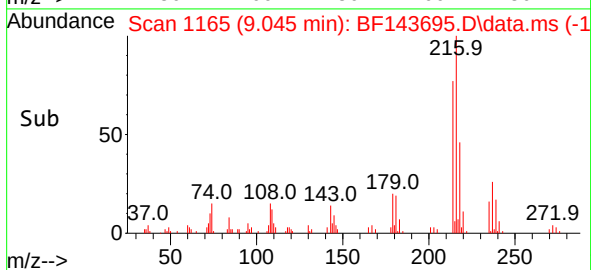
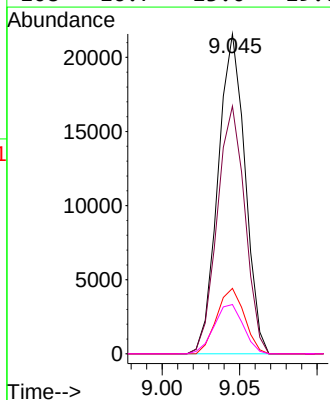
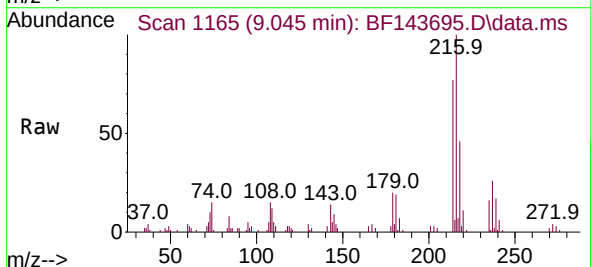
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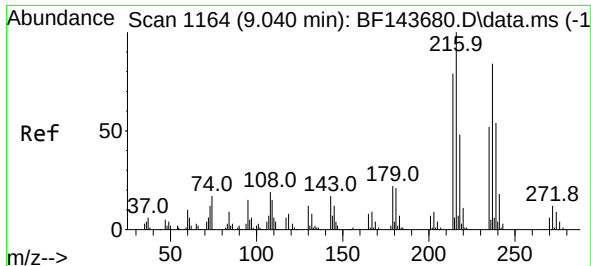
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.446 ng
RT: 9.045 min Scan# 1165
Delta R.T. -0.000 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

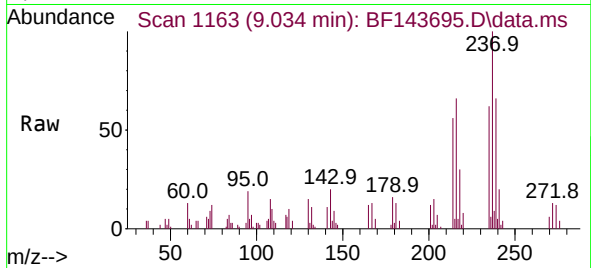
Tgt Ion:216 Resp: 26214
Ion Ratio Lower Upper
216 100
214 79.1 63.2 94.8
179 20.9 16.8 25.2
108 16.7 13.0 19.6





#41
Hexachlorocyclopentadiene
Concen: 9.790 ng
RT: 9.034 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

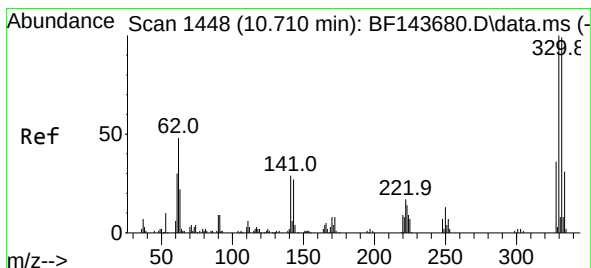
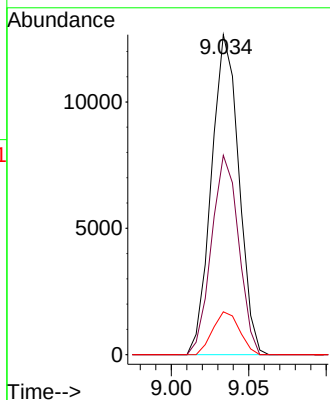
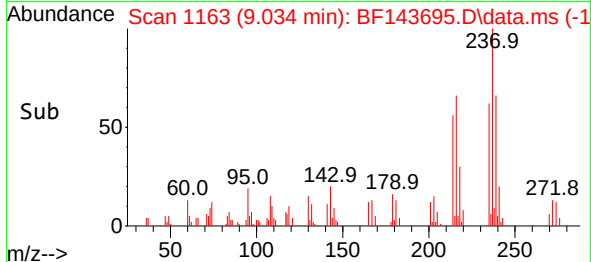
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025



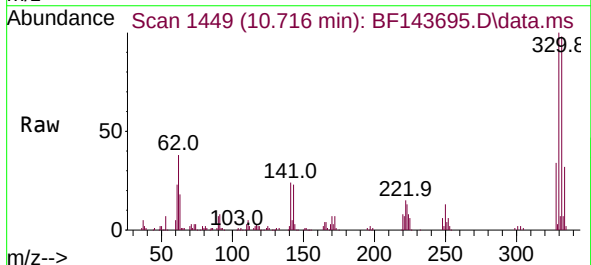
Tgt Ion:237 Resp: 15600
Ion Ratio Lower Upper
237 100
235 62.3 41.6 81.6
272 13.4 0.0 33.9

Manual Integrations
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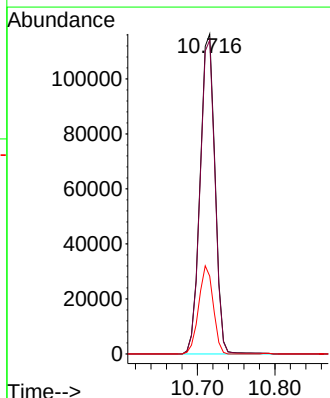
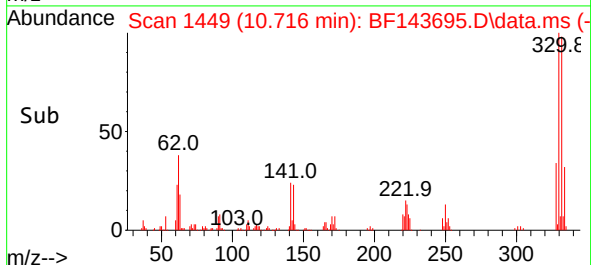
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025

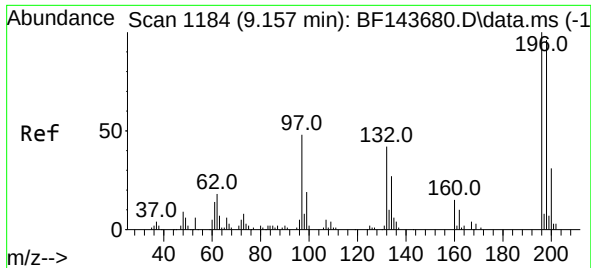


#42
2,4,6-Tribromophenol
Concen: 141.745 ng
RT: 10.716 min Scan# 1449
Delta R.T. 0.006 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49



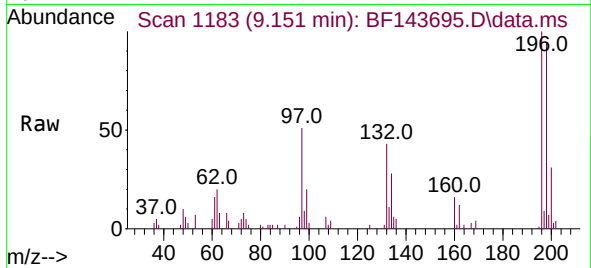
Tgt Ion:330 Resp: 154871
Ion Ratio Lower Upper
330 100
332 97.8 79.2 118.8
141 26.7 22.2 33.4





#43
2,4,6-Trichlorophenol
Concen: 7.978 ng
RT: 9.151 min Scan# 1183
Delta R.T. -0.006 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

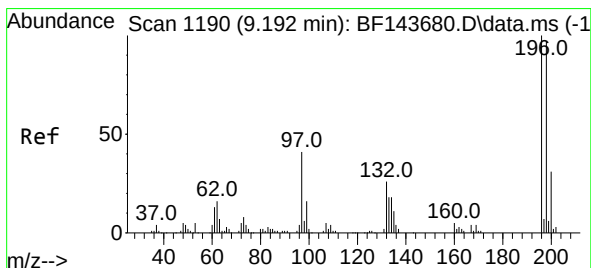
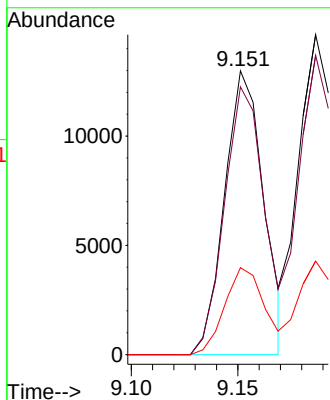
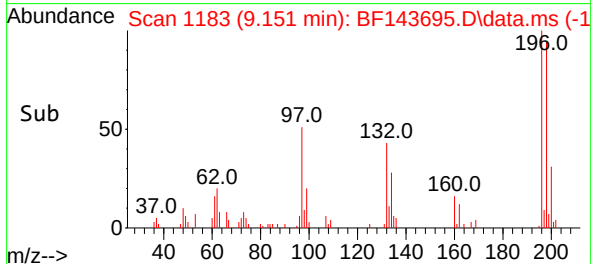
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025



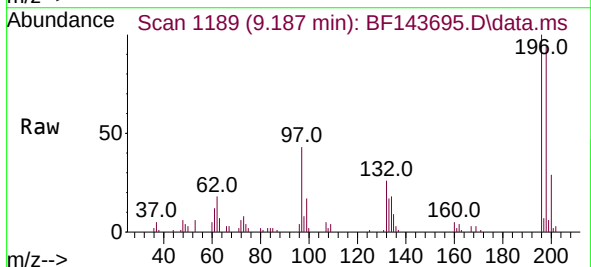
Tgt Ion:196 Resp: 1653
Ion Ratio Lower Upper
196 100
198 94.4 76.5 114.7
200 30.6 24.5 36.7

Manual Integrations
APPROVED

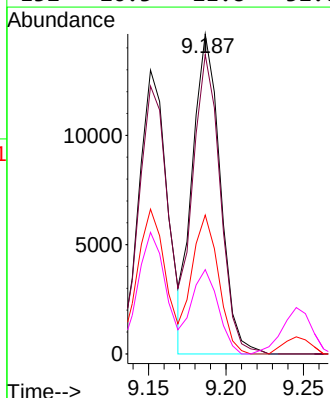
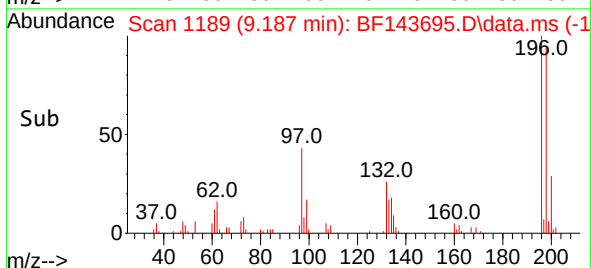
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025

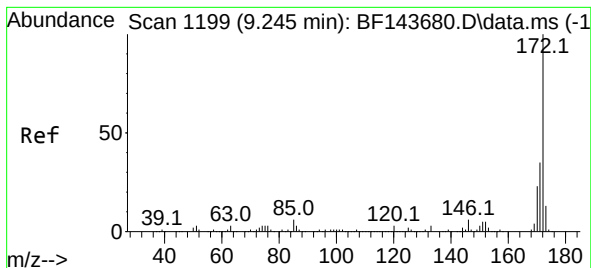


#44
2,4,5-Trichlorophenol
Concen: 8.641 ng
RT: 9.187 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49



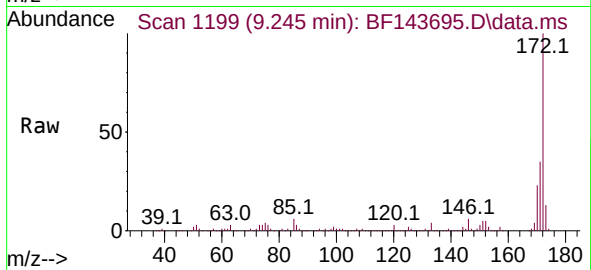
Tgt Ion:196 Resp: 18207
Ion Ratio Lower Upper
196 100
198 93.5 77.0 115.6
97 43.4 34.2 51.4
132 26.3 21.8 32.6





#45
2-Fluorobiphenyl
Concen: 93.114 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.000 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

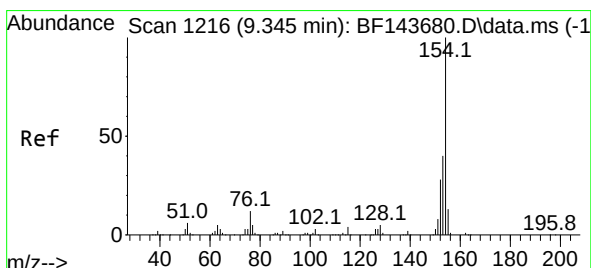
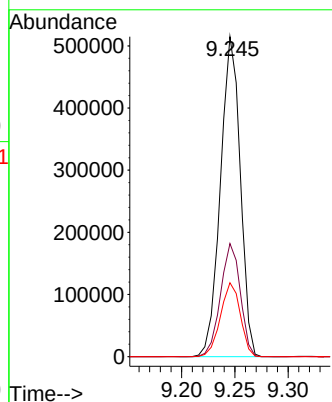
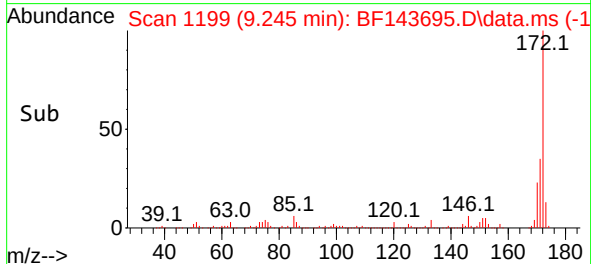
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT3-2025



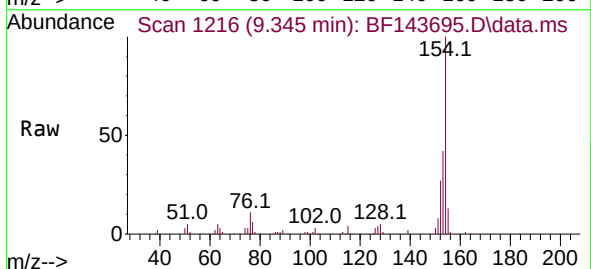
Tgt Ion:172 Resp: 668279
Ion Ratio Lower Upper
172 100
171 35.3 27.9 41.9
170 23.1 18.6 27.8

Manual Integrations
APPROVED

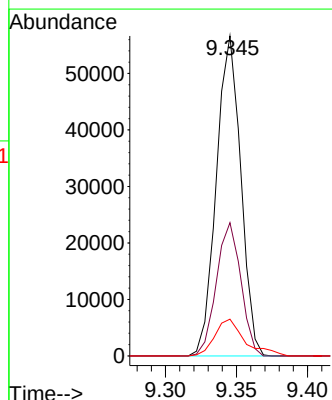
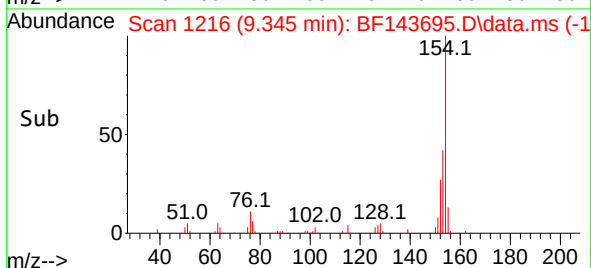
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025

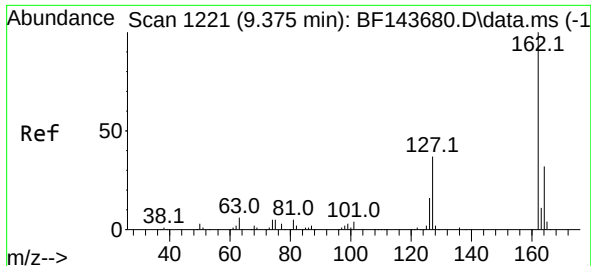


#46
1,1'-Biphenyl
Concen: 8.694 ng
RT: 9.345 min Scan# 1216
Delta R.T. -0.000 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49



Tgt Ion:154 Resp: 67860
Ion Ratio Lower Upper
154 100
153 41.6 20.2 60.2
76 11.5 0.0 31.6





#47

2-Chloronaphthalene

Concen: 8.455 ng

RT: 9.369 min Scan# 1220

Delta R.T. -0.006 min

Lab File: BF143695.D

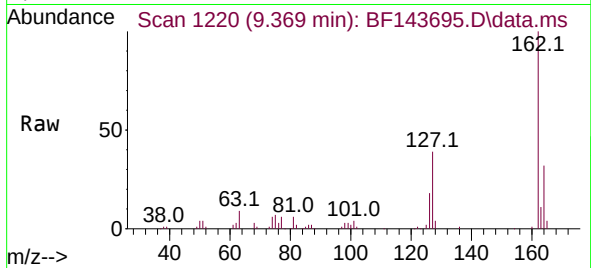
Acq: 10 Sep 2025 10:49

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2025



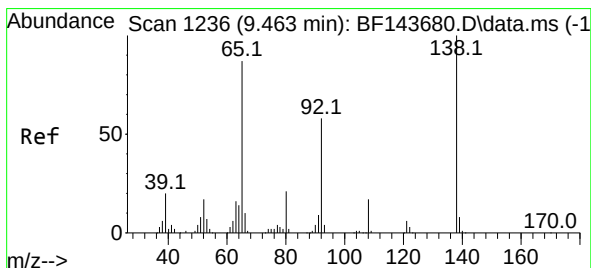
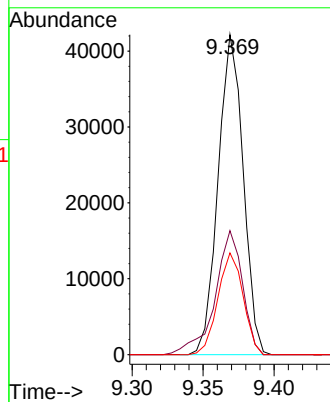
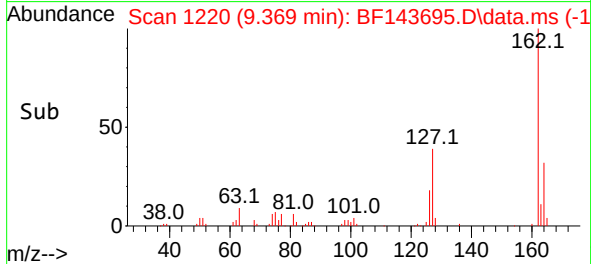
Tgt Ion:	162	Resp:	51735
Ion Ratio	Lower	Upper	
162	100		
127	38.7	30.6	45.8
164	31.8	25.8	38.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/11/2025

Supervised By :Jagrut Upadhyay 09/11/2025



#48

2-Nitroaniline

Concen: 7.914 ng

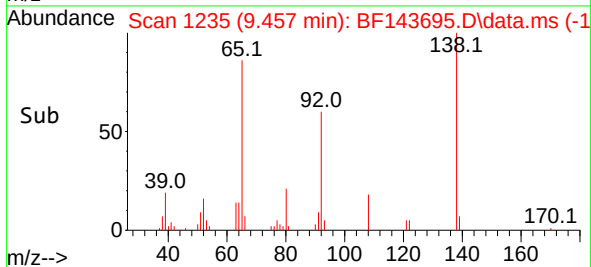
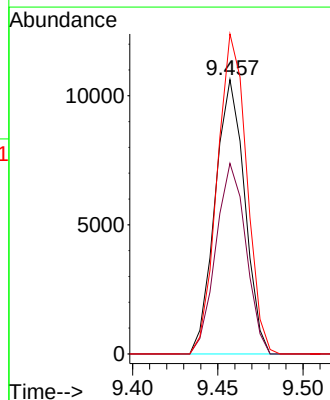
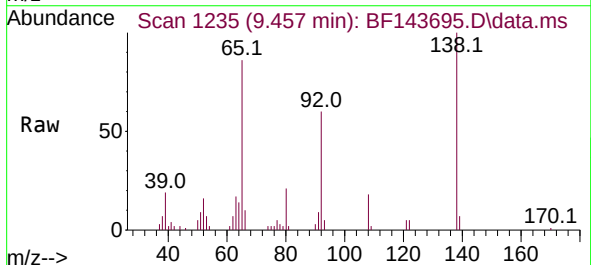
RT: 9.457 min Scan# 1235

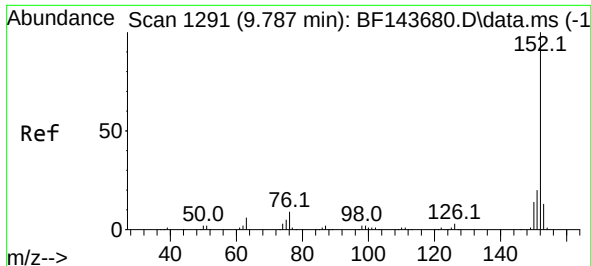
Delta R.T. -0.006 min

Lab File: BF143695.D

Acq: 10 Sep 2025 10:49

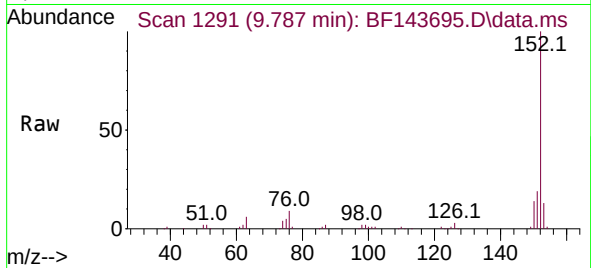
Tgt Ion:	65	Resp:	12815
Ion Ratio	Lower	Upper	
65	100		
92	69.4	53.3	79.9
138	116.7	92.1	138.1





#49
Acenaphthylene
Concen: 9.414 ng
RT: 9.787 min Scan# 1291
Delta R.T. -0.000 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

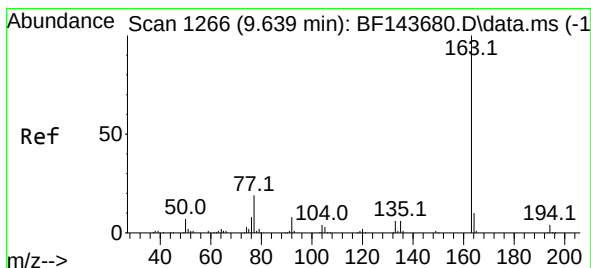
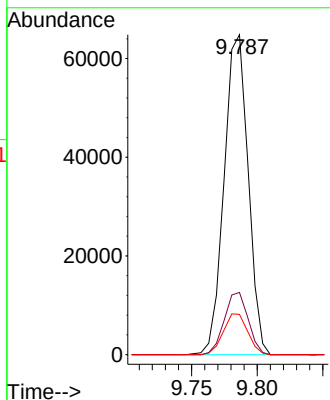
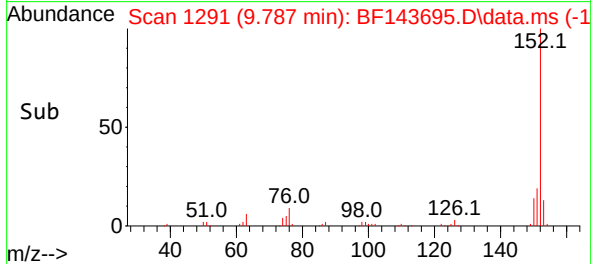
Instrument : BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:152 Resp: 82512
Ion Ratio Lower Upper
152 100
151 19.4 15.9 23.9
153 12.6 10.4 15.6

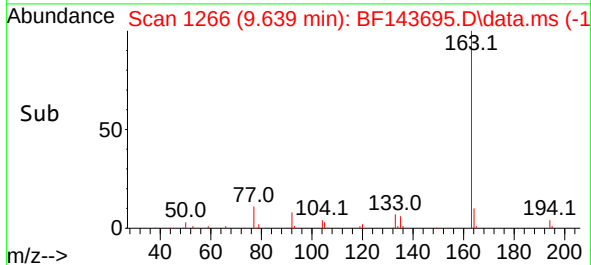
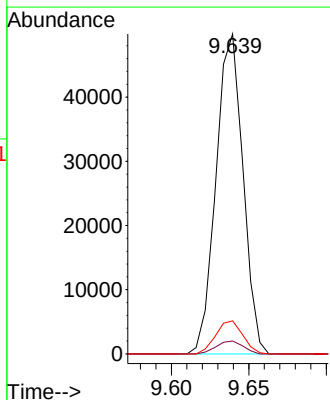
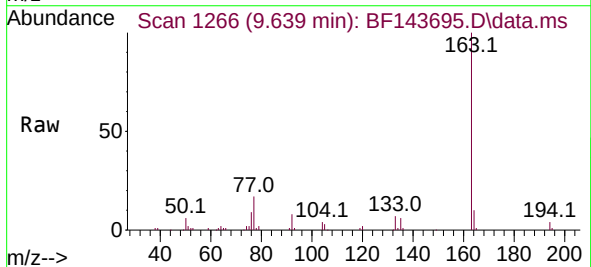
Manual Integrations
APPROVED

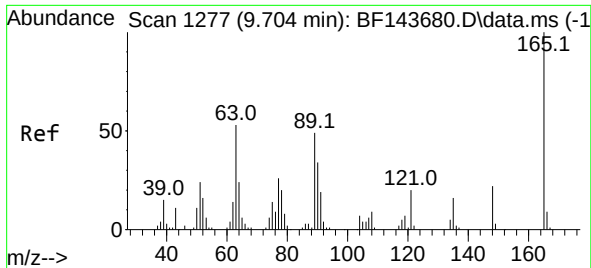
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#50
Dimethylphthalate
Concen: 8.590 ng
RT: 9.639 min Scan# 1266
Delta R.T. -0.000 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

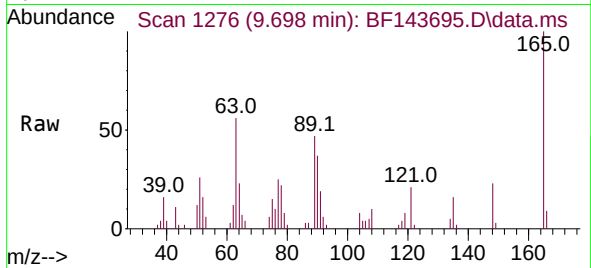
Tgt Ion:163 Resp: 60594
Ion Ratio Lower Upper
163 100
194 4.0 3.4 5.0
164 10.3 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 8.823 ng
RT: 9.698 min Scan# 1276
Delta R.T. -0.006 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

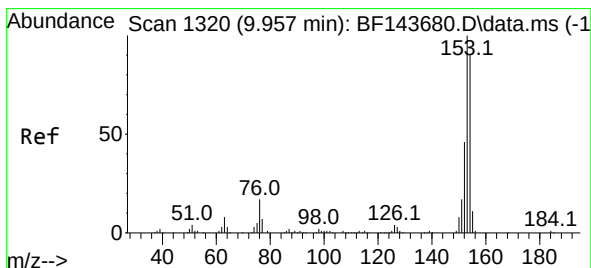
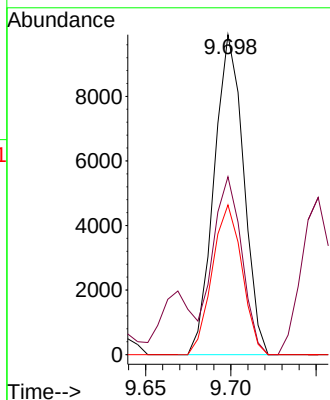
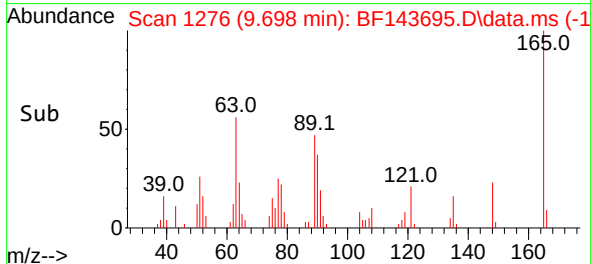
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:165 Resp: 1189
Ion Ratio Lower Upper
165 100
63 55.6 42.2 63.4
89 46.8 39.3 58.9

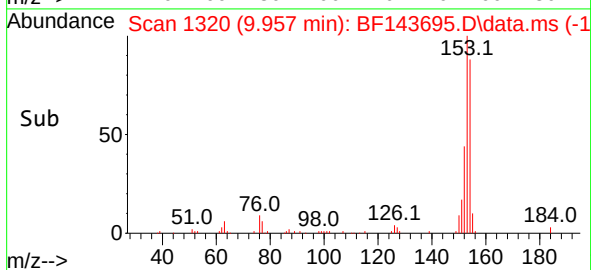
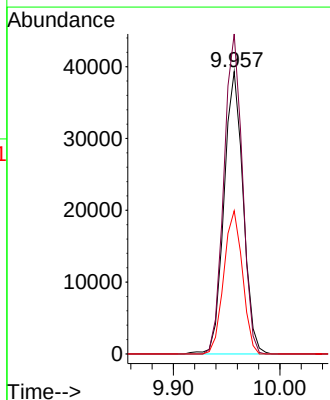
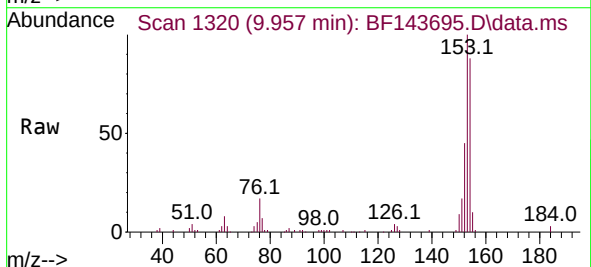
Manual Integrations
APPROVED

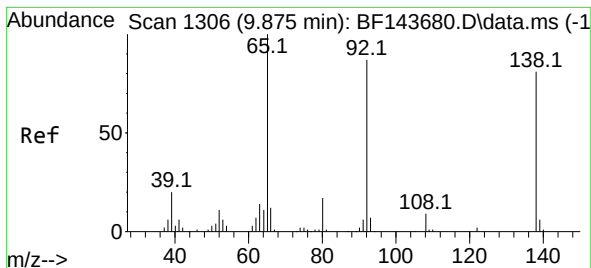
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#52
Acenaphthene
Concen: 8.138 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.000 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

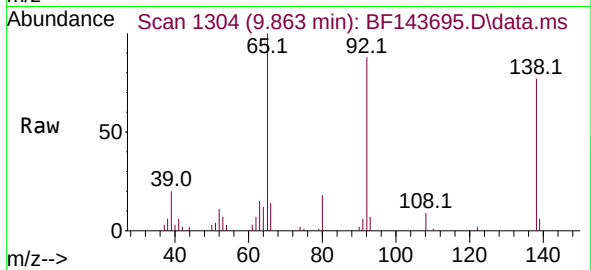
Tgt Ion:154 Resp: 49150
Ion Ratio Lower Upper
154 100
153 113.3 89.4 134.0
152 50.7 41.2 61.8





#53
3-Nitroaniline
Concen: 8.998 ng
RT: 9.863 min Scan# 1306
Delta R.T. -0.012 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

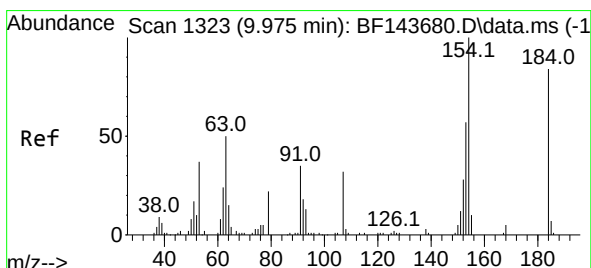
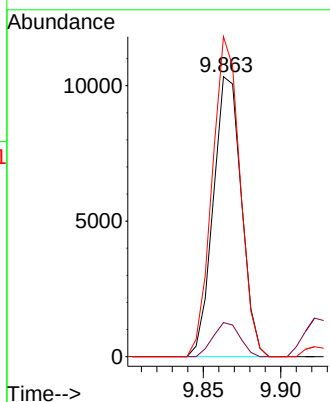
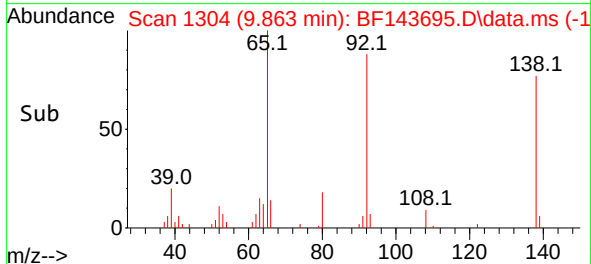
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT3-2025



Tgt Ion:138 Resp: 13060
Ion Ratio Lower Upper
138 100
108 12.2 8.6 12.8
92 114.3 85.5 128.3

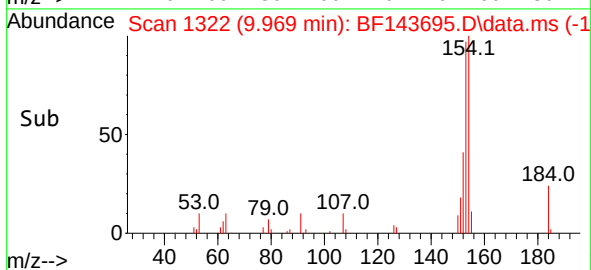
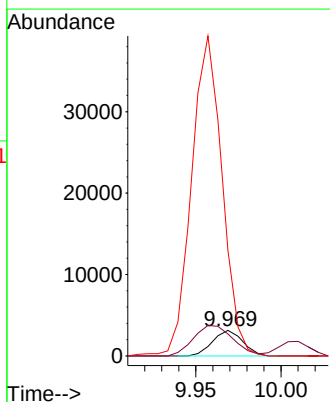
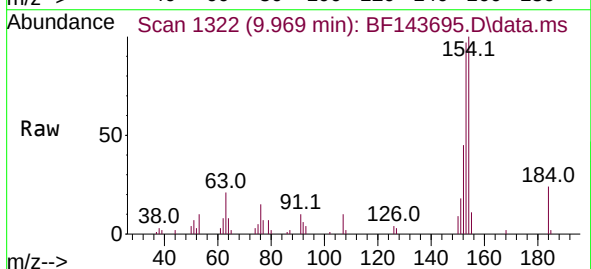
Manual Integrations
APPROVED

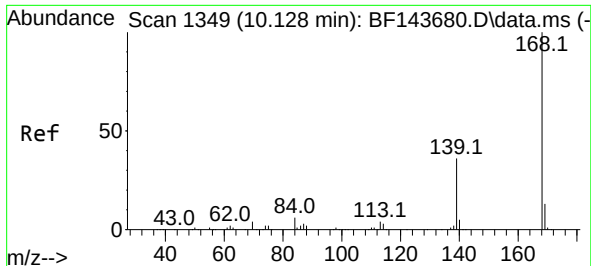
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#54
2,4-Dinitrophenol
Concen: 10.504 ng
RT: 9.969 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

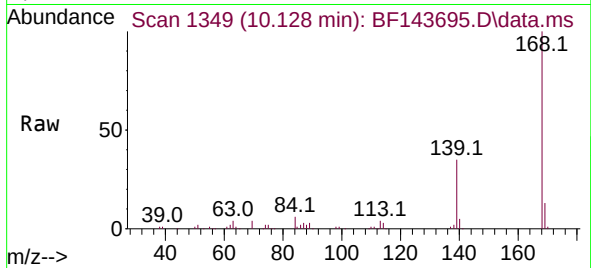
Tgt Ion:184 Resp: 3830
Ion Ratio Lower Upper
184 100
63 85.7 52.7 79.1#
154 412.0 136.6 204.8#





#55
Dibenzofuran
Concen: 8.627 ng
RT: 10.128 min Scan# 1349
Delta R.T. -0.000 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

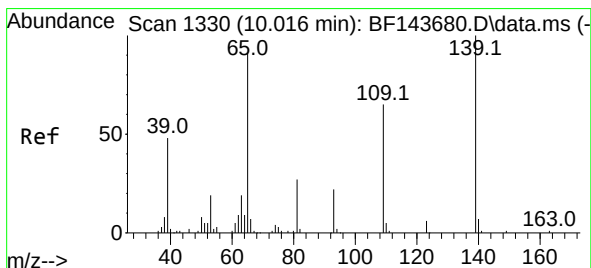
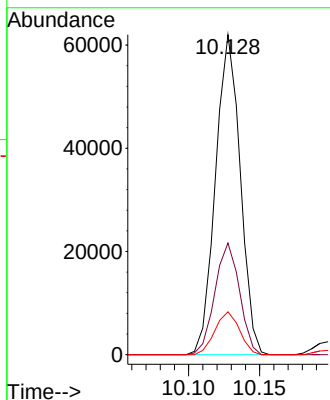
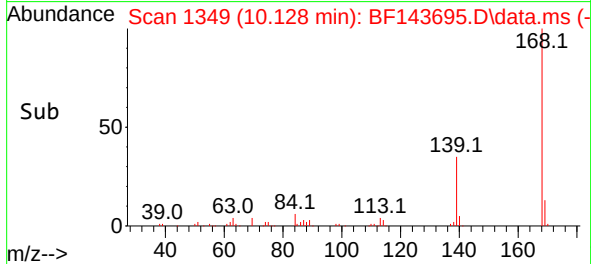
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT3-2025



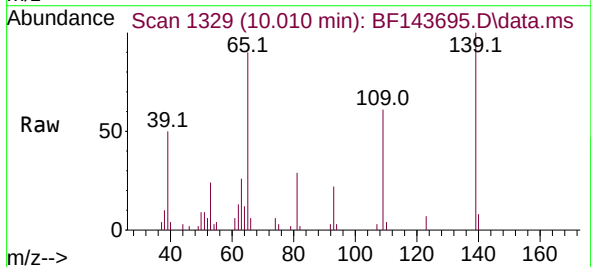
Tgt Ion:168 Resp: 74930
Ion Ratio Lower Upper
168 100
139 34.9 29.0 43.4
169 13.4 10.8 16.2

Manual Integrations
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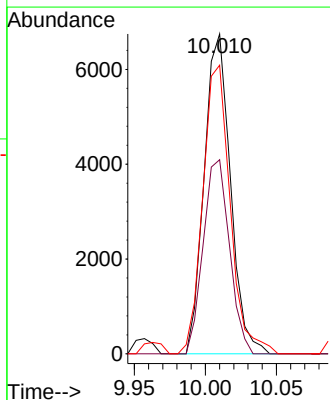
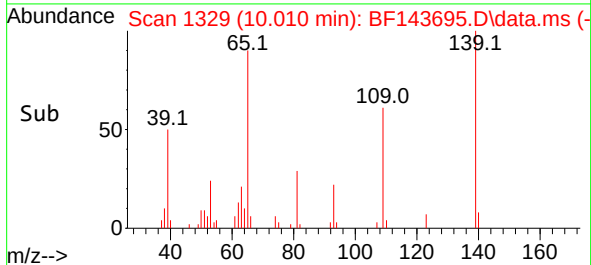
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025

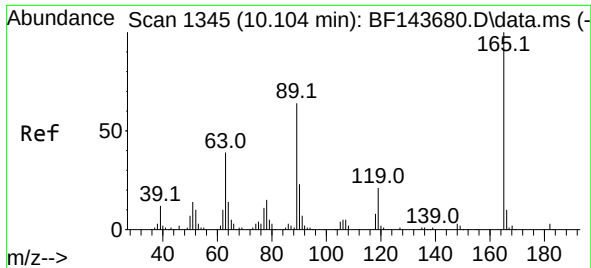


#56
4-Nitrophenol
Concen: 7.507 ng
RT: 10.010 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49



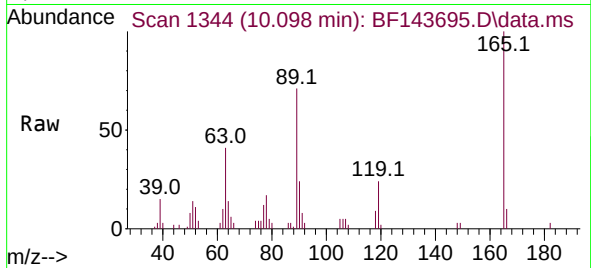
Tgt Ion:139 Resp: 8668
Ion Ratio Lower Upper
139 100
109 60.7 45.2 85.2
65 90.2 72.1 112.1





#57
2,4-Dinitrotoluene
Concen: 8.311 ng
RT: 10.098 min Scan# 1345
Delta R.T. -0.006 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

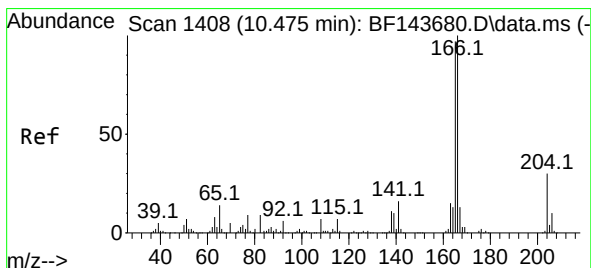
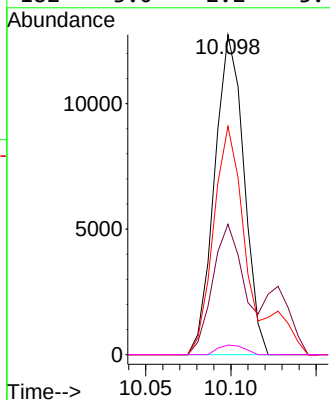
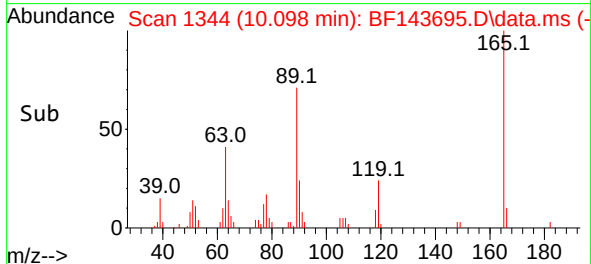
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025



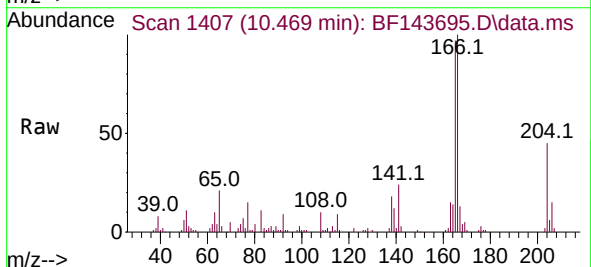
Tgt Ion:165 Resp: 1525
Ion Ratio Lower Upper
165 100
63 40.7 31.5 47.3
89 71.3 51.3 76.9
182 3.0 2.2 3.4

Manual Integrations
APPROVED

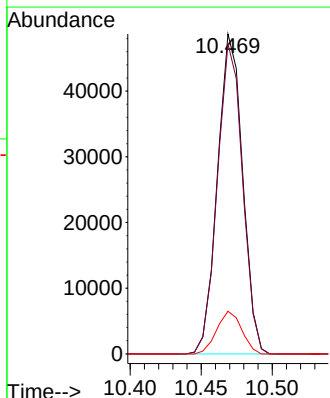
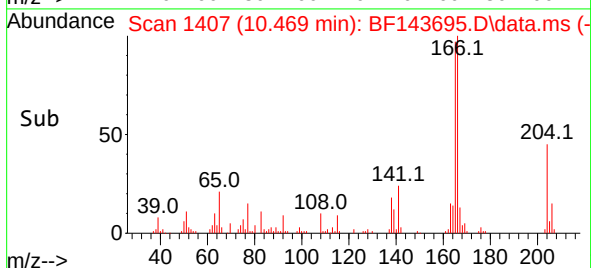
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025

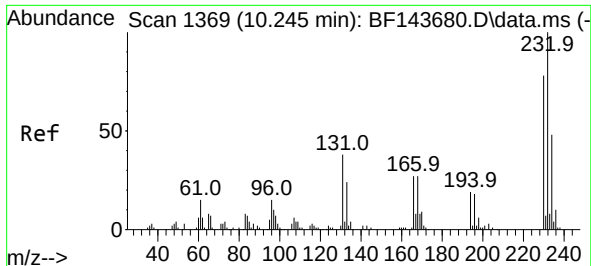


#58
Fluorene
Concen: 8.840 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49



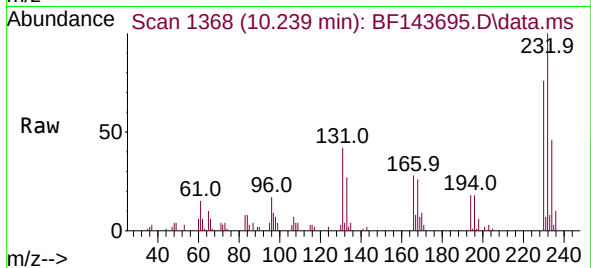
Tgt Ion:166 Resp: 60102
Ion Ratio Lower Upper
166 100
165 96.9 77.5 116.3
167 13.3 10.2 15.2





#59
2,3,4,6-Tetrachlorophenol
Concen: 8.899 ng
RT: 10.239 min Scan# 1368
Delta R.T. -0.006 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

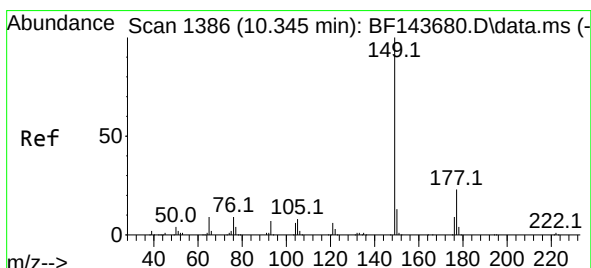
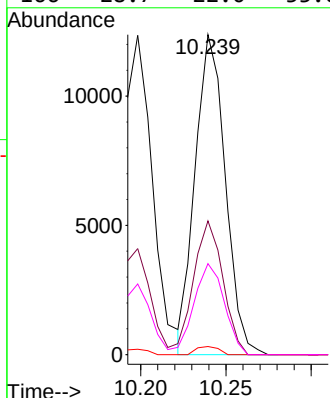
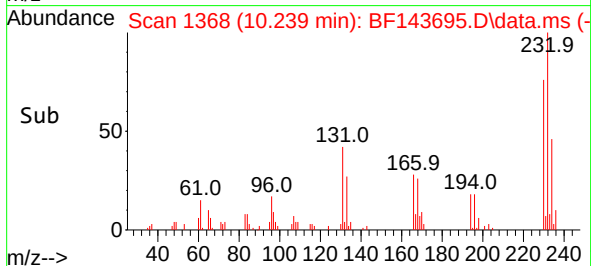
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:232 Resp: 15204
Ion Ratio Lower Upper
232 100
131 40.9 31.9 47.9
130 1.9 1.4 2.0
166 28.7 22.0 33.0

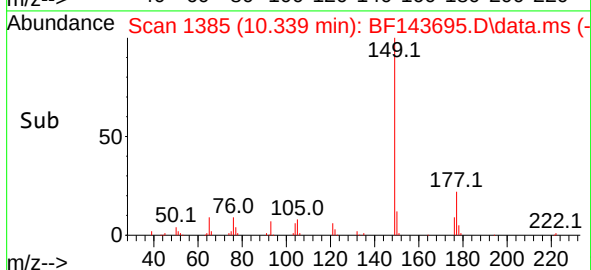
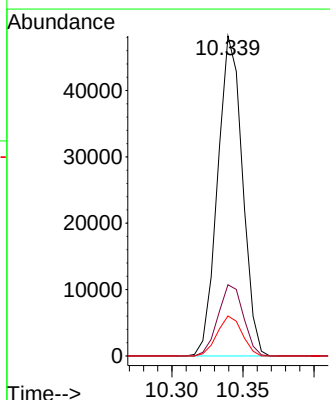
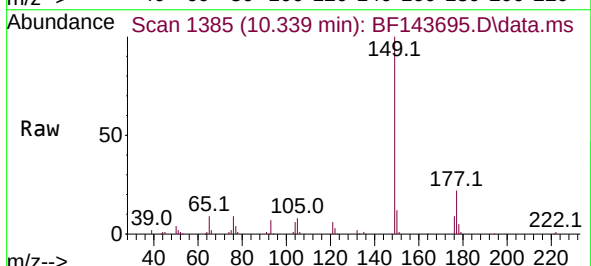
Manual Integrations
APPROVED

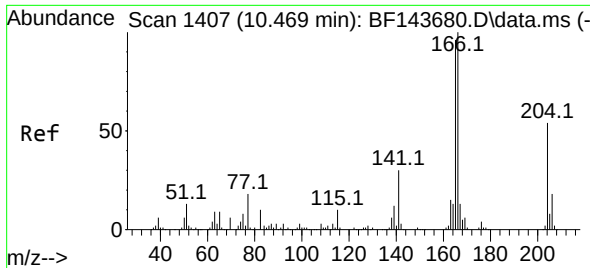
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#60
Diethylphthalate
Concen: 8.849 ng
RT: 10.339 min Scan# 1385
Delta R.T. -0.006 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

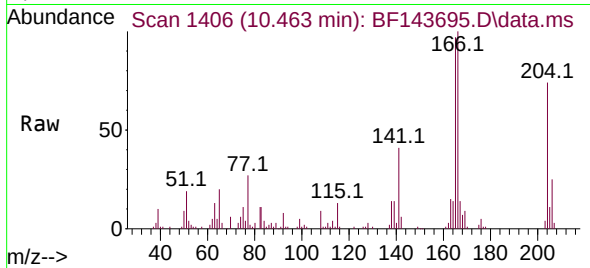
Tgt Ion:149 Resp: 58604
Ion Ratio Lower Upper
149 100
177 22.2 18.2 27.2
150 12.5 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 8.649 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.006 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

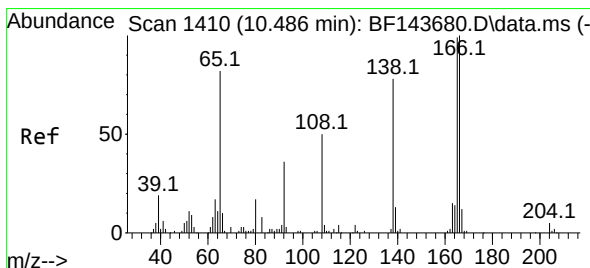
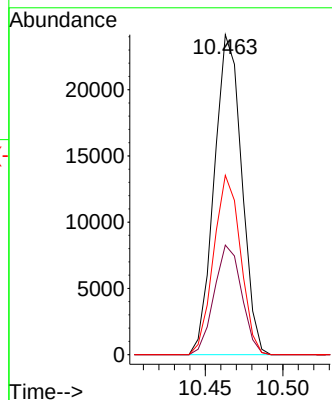
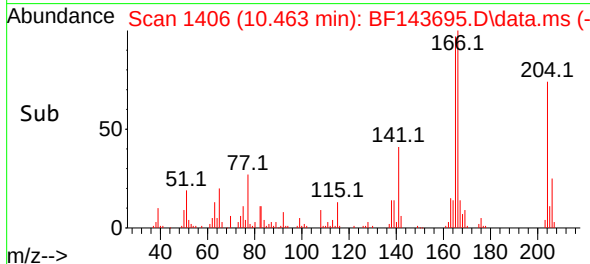
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025



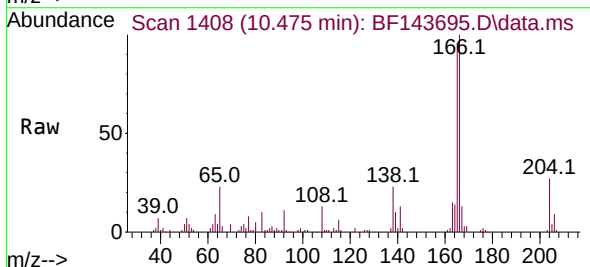
Tgt Ion:204 Resp: 29822
Ion Ratio Lower Upper
204 100
206 34.2 26.0 39.0
141 56.0 44.8 67.2

Manual Integrations
APPROVED

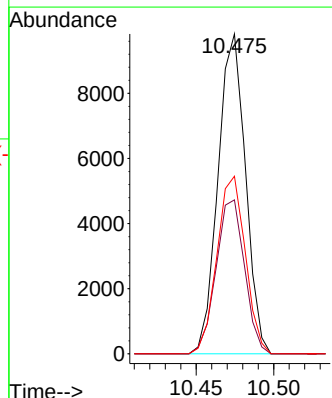
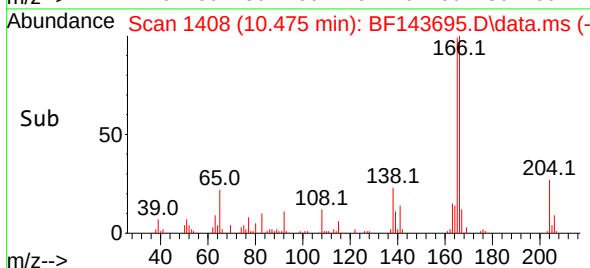
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025

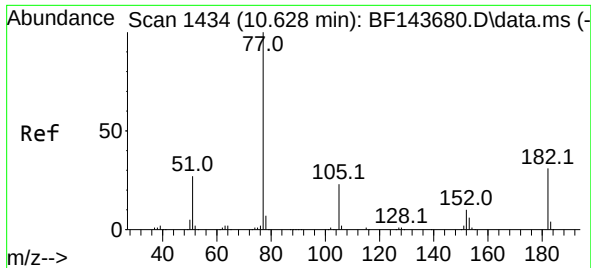


#62
4-Nitroaniline
Concen: 8.812 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.012 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49



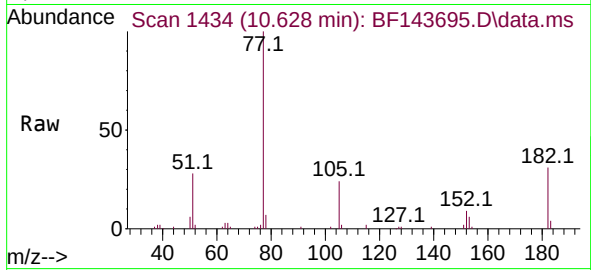
Tgt Ion:138 Resp: 12114
Ion Ratio Lower Upper
138 100
92 48.1 26.4 66.4
108 55.5 44.3 84.3





#63
Azobenzene
Concen: 8.775 ng
RT: 10.628 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

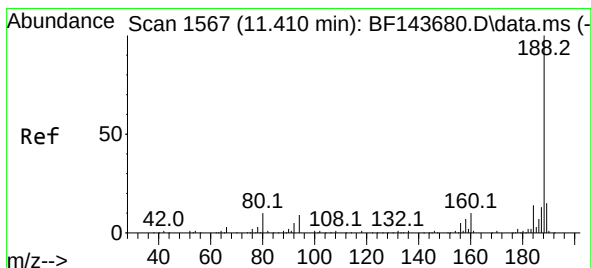
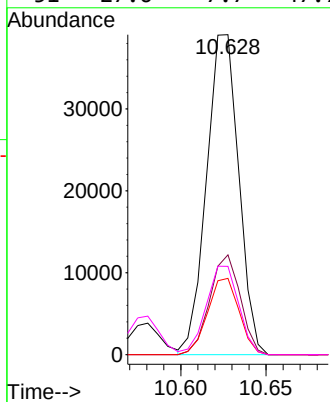
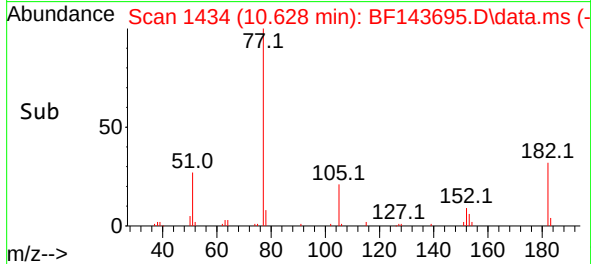
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025



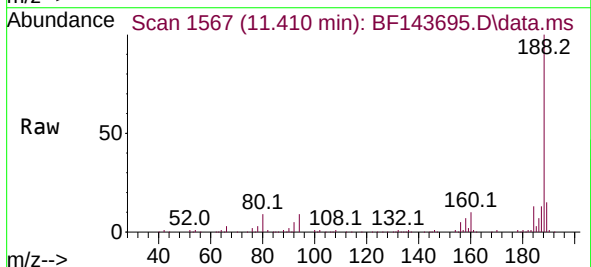
Tgt Ion: 77 Resp: 51374
Ion Ratio Lower Upper
77 100
182 31.2 10.8 50.8
105 23.9 3.2 43.2
51 27.6 7.7 47.7

Manual Integrations
APPROVED

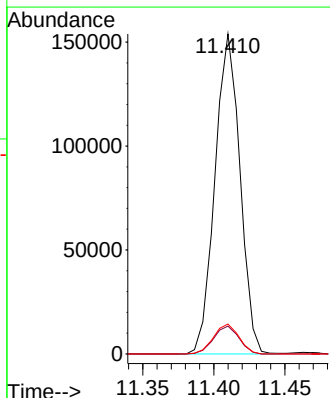
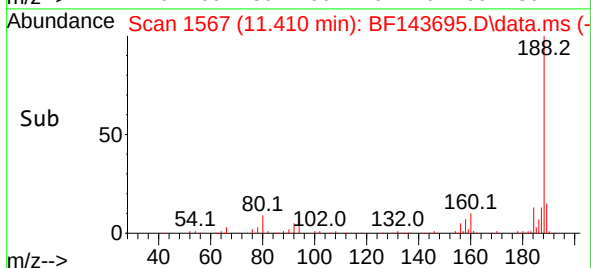
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025

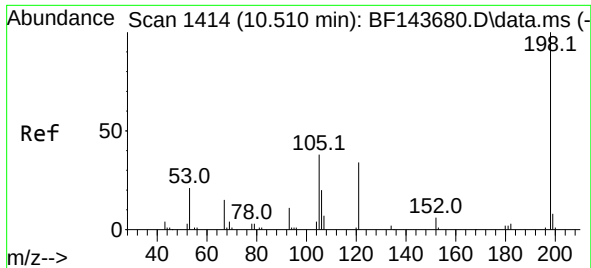


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.000 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49



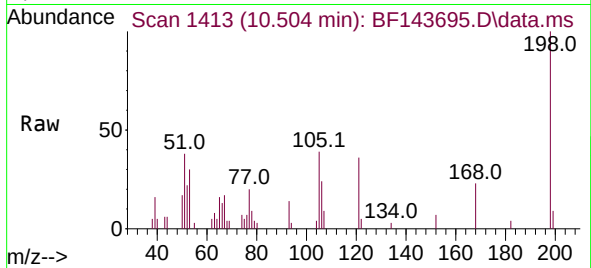
Tgt Ion:188 Resp: 188935
Ion Ratio Lower Upper
188 100
94 8.7 7.4 11.0
80 9.3 7.7 11.5





#65
4,6-Dinitro-2-methylphenol
Concen: 6.283 ng
RT: 10.504 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

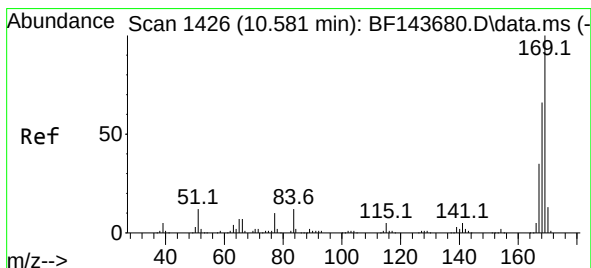
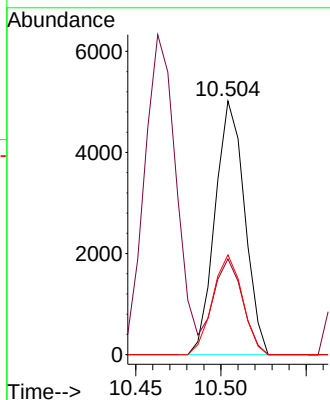
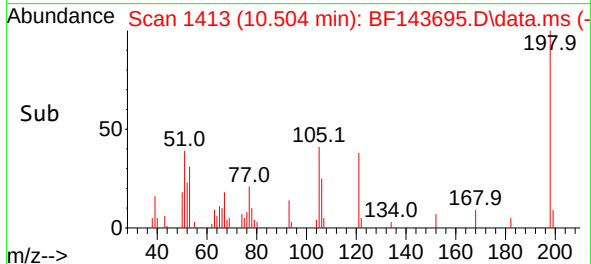
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025



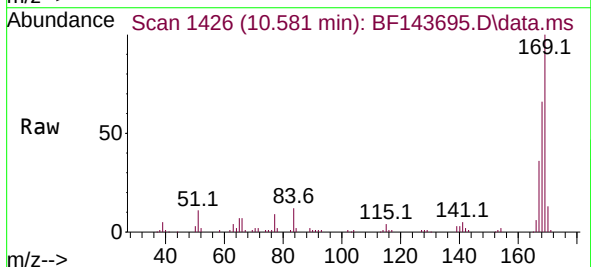
Tgt Ion:198 Resp: 6044
Ion Ratio Lower Upper
198 100
51 37.7 21.2 61.2
105 39.3 19.0 59.0

Manual Integrations
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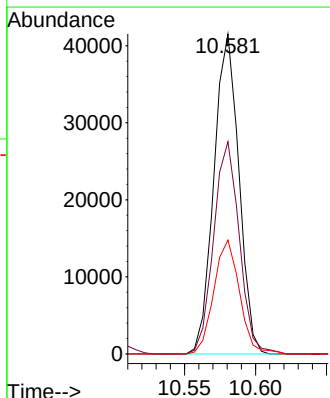
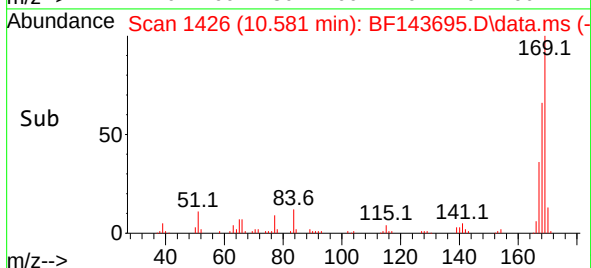
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025

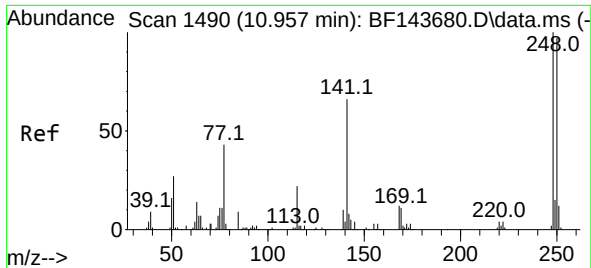


#66
n-Nitrosodiphenylamine
Concen: 8.205 ng
RT: 10.581 min Scan# 1426
Delta R.T. -0.000 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49



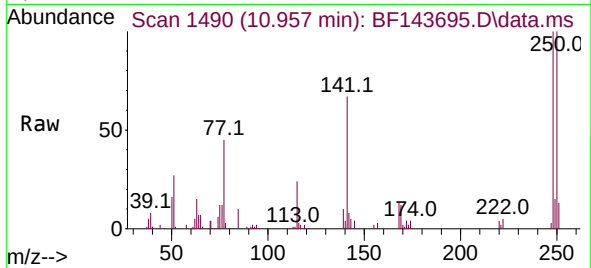
Tgt Ion:169 Resp: 50786
Ion Ratio Lower Upper
169 100
168 66.3 53.0 79.6
167 35.6 28.1 42.1





#67
4-Bromophenyl-phenylether
Concen: 7.837 ng
RT: 10.957 min Scan# 1490
Delta R.T. -0.000 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

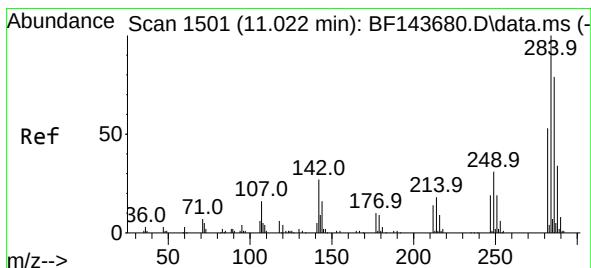
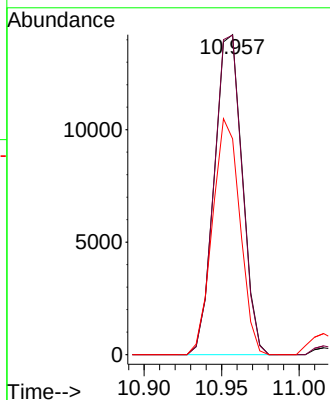
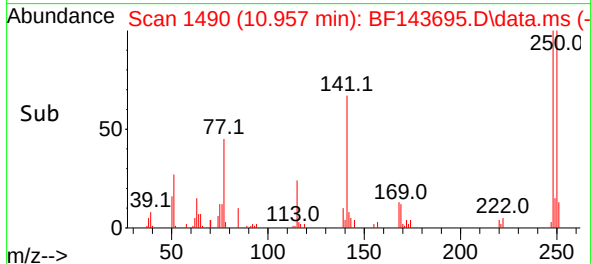
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025



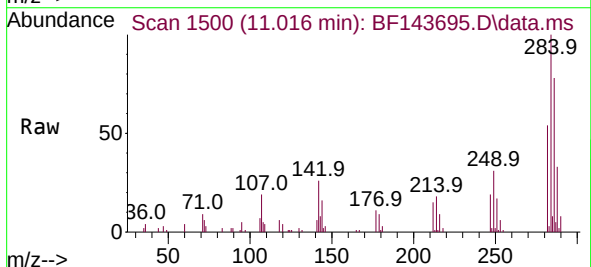
Tgt Ion:248 Resp: 17856
Ion Ratio Lower Upper
248 100
250 99.8 77.5 116.3
141 67.4 52.6 79.0

Manual Integrations
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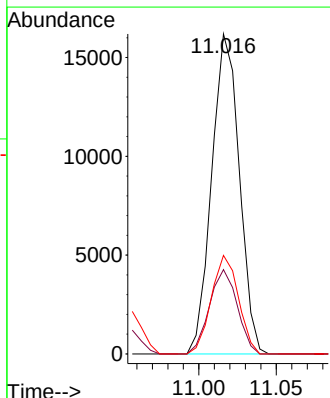
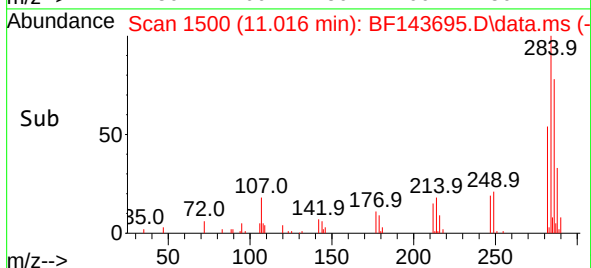
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025

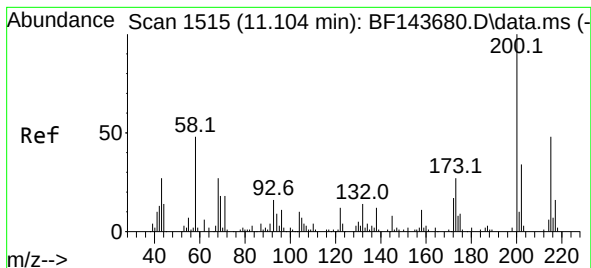


#68
Hexachlorobenzene
Concen: 8.331 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49



Tgt Ion:284 Resp: 20042
Ion Ratio Lower Upper
284 100
142 26.3 21.3 31.9
249 30.8 25.0 37.4





#69

Atrazine

Concen: 8.022 ng

RT: 11.098 min Scan# 1514

Delta R.T. -0.006 min

Lab File: BF143695.D

Acq: 10 Sep 2025 10:49

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2025

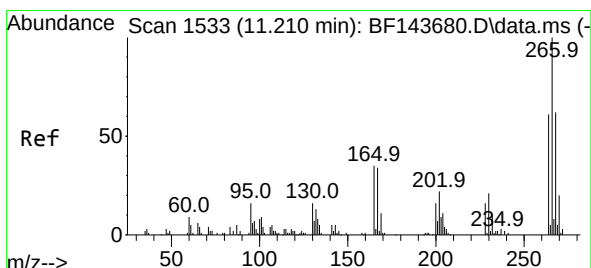
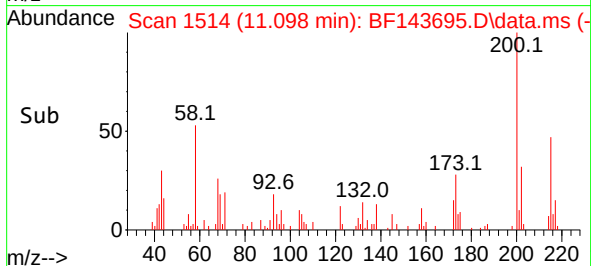
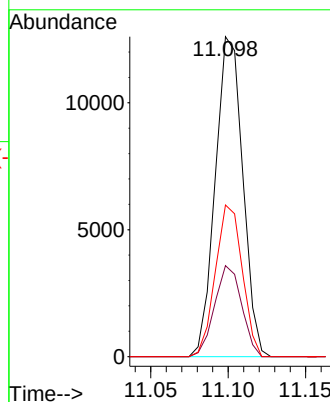
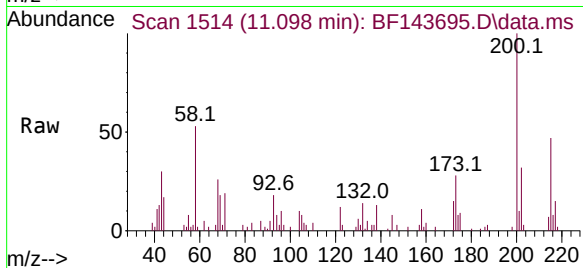
Tgt Ion:200 Resp: 15568
 Ion Ratio Lower Upper
 200 100
 173 28.4 7.3 47.3
 215 47.4 28.5 68.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/11/2025

Supervised By :Jagrut Upadhyay 09/11/2025



#70

Pentachlorophenol

Concen: 6.565 ng

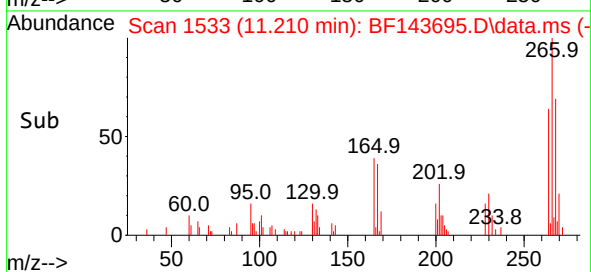
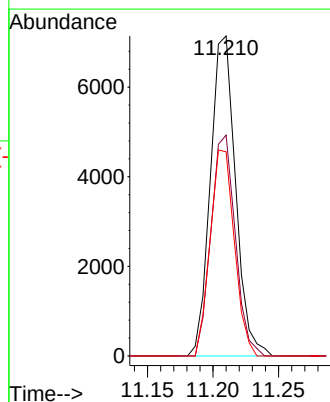
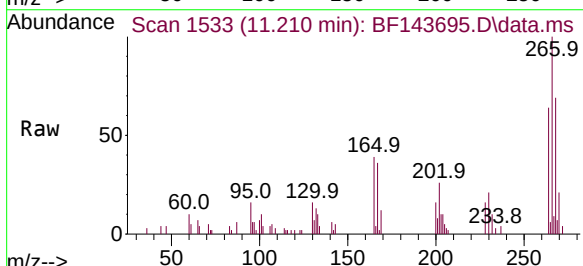
RT: 11.210 min Scan# 1533

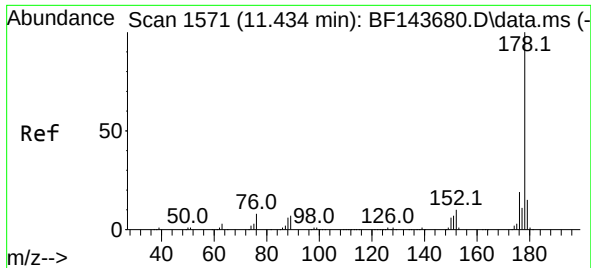
Delta R.T. -0.000 min

Lab File: BF143695.D

Acq: 10 Sep 2025 10:49

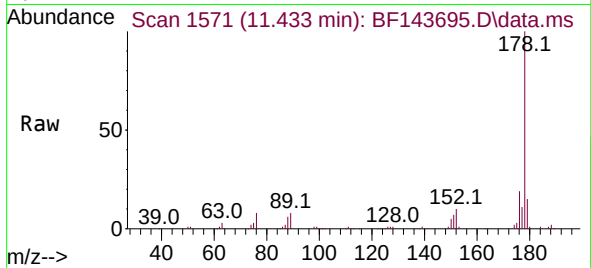
Tgt Ion:266 Resp: 9547
 Ion Ratio Lower Upper
 266 100
 268 69.0 49.2 73.8
 264 63.8 48.6 73.0





#71
Phenanthrene
Concen: 8.287 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

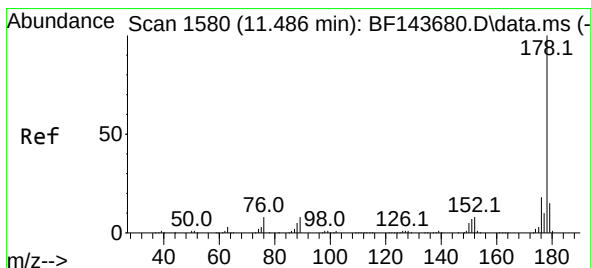
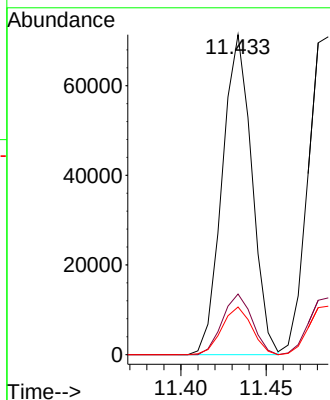
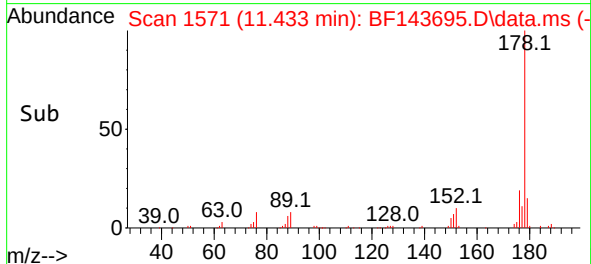
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:178 Resp: 86262
Ion Ratio Lower Upper
178 100
176 18.9 14.8 22.2
179 14.9 12.2 18.2

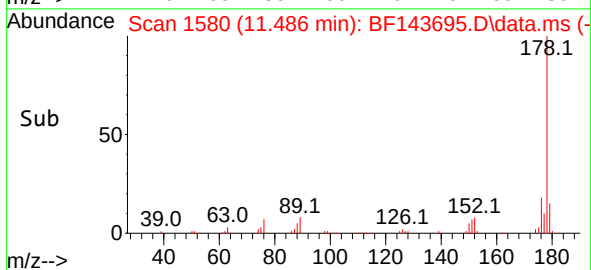
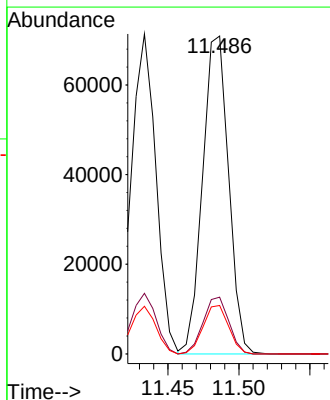
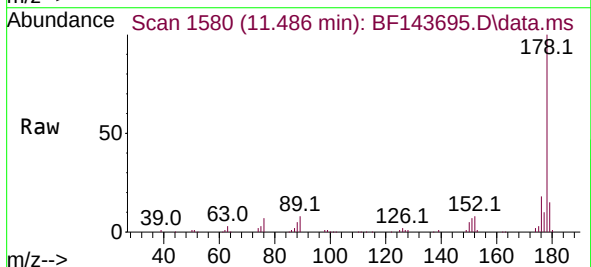
Manual Integrations
APPROVED

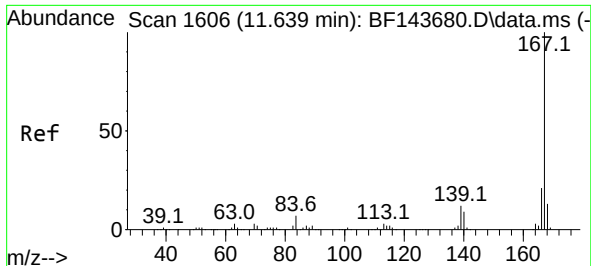
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#72
Anthracene
Concen: 8.626 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

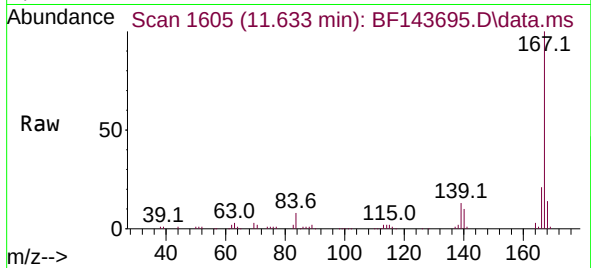
Tgt Ion:178 Resp: 90288
Ion Ratio Lower Upper
178 100
176 17.8 14.5 21.7
179 15.2 12.2 18.2





#73
 Carbazole
 Concen: 8.540 ng
 RT: 11.633 min Scan# 1605
 Delta R.T. -0.006 min
 Lab File: BF143695.D
 Acq: 10 Sep 2025 10:49

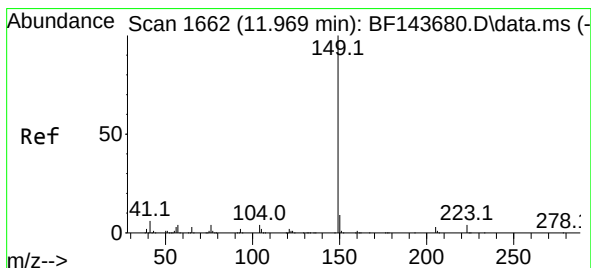
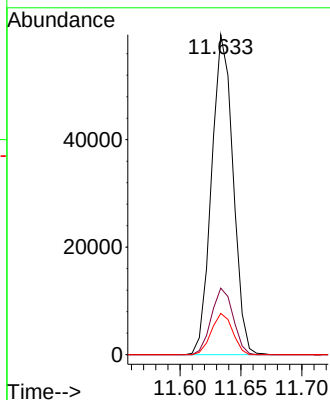
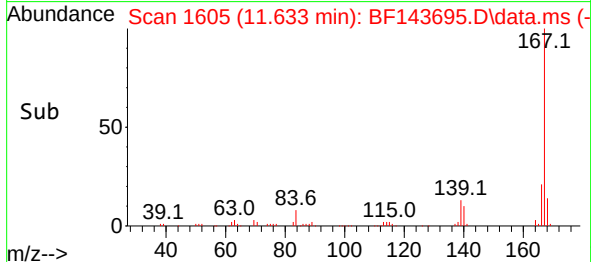
Instrument : BNA_F
 ClientSampleId : MDL-SOIL-03-QT3-2025



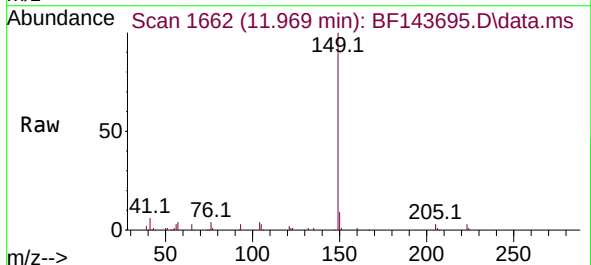
Tgt Ion:167 Resp: 73209
 Ion Ratio Lower Upper
 167 100
 166 20.8 17.0 25.4
 139 12.9 9.7 14.5

Manual Integrations
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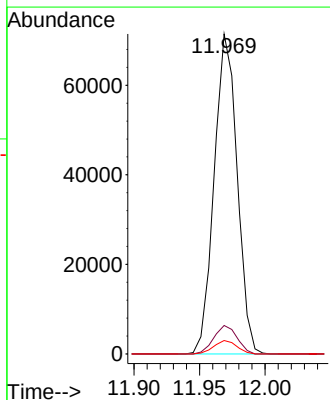
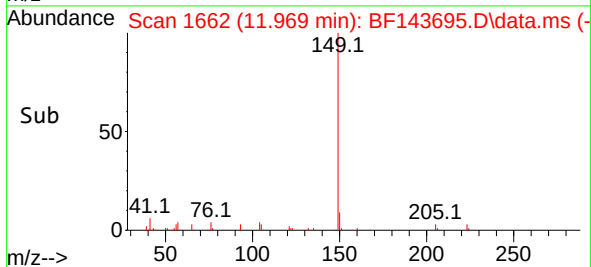
Reviewed By :Rahul Chavli 09/11/2025
 Supervised By :Jagrut Upadhyay 09/11/2025

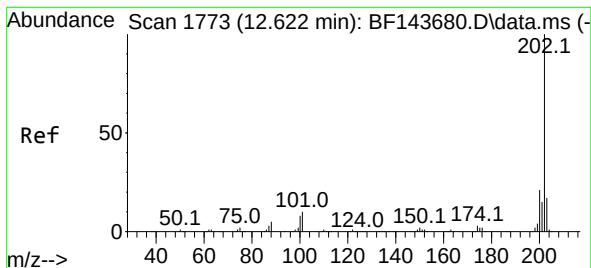


#74
 Di-n-butylphthalate
 Concen: 8.465 ng
 RT: 11.969 min Scan# 1662
 Delta R.T. -0.000 min
 Lab File: BF143695.D
 Acq: 10 Sep 2025 10:49



Tgt Ion:149 Resp: 87363
 Ion Ratio Lower Upper
 149 100
 150 8.9 7.3 10.9
 104 4.2 3.3 4.9





#75

Fluoranthene

Concen: 8.435 ng

RT: 12.622 min Scan# 1773

Delta R.T. -0.000 min

Lab File: BF143695.D

Acq: 10 Sep 2025 10:49

Instrument :

BNA_F

ClientSampleId :

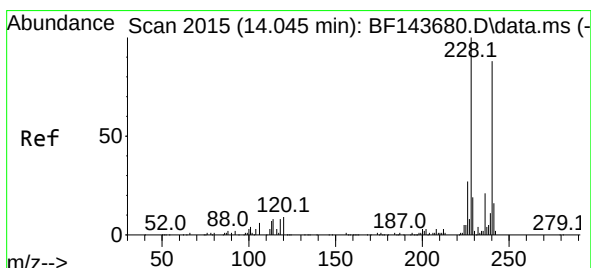
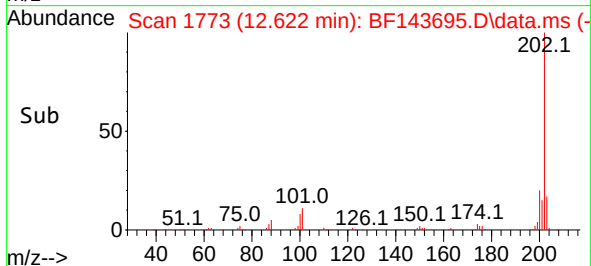
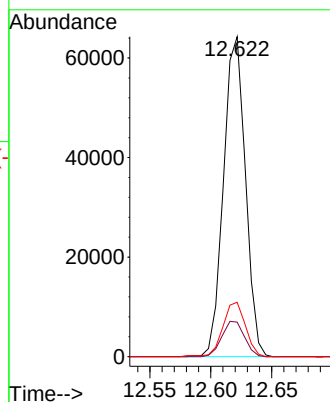
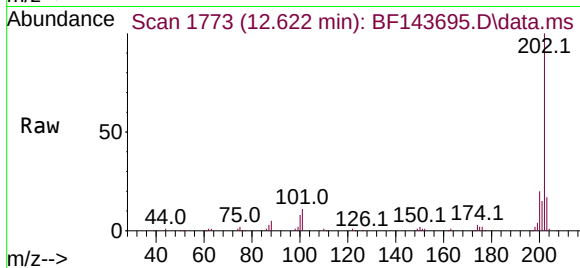
MDL-SOIL-03-QT3-2025

Tgt Ion:	202	Resp:	80614
Ion Ratio	Lower	Upper	
202	100		
101	10.8	0.0	30.5
203	17.0	0.0	37.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#76

Chrysene-d12

Concen: 20.000 ng

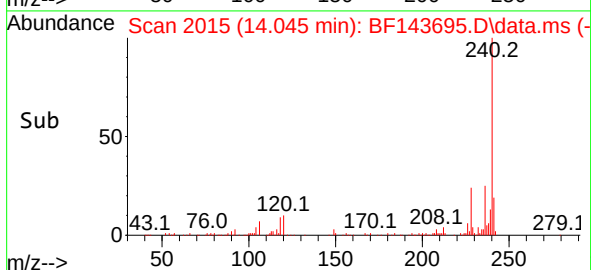
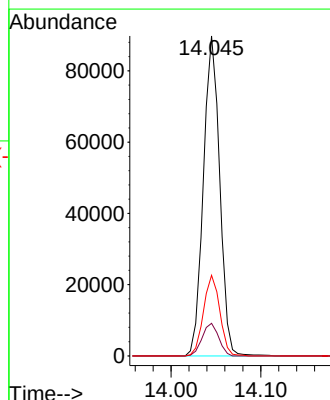
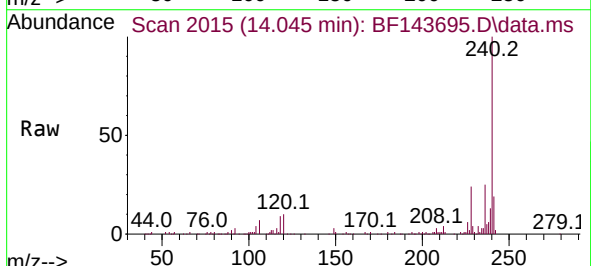
RT: 14.045 min Scan# 1515

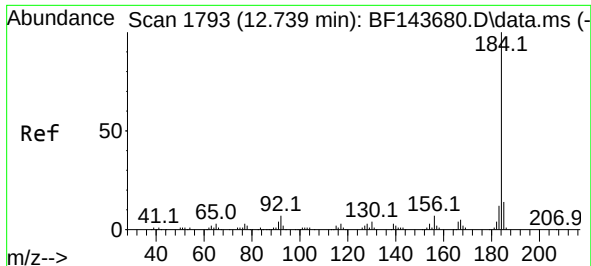
Delta R.T. -0.000 min

Lab File: BF143695.D

Acq: 10 Sep 2025 10:49

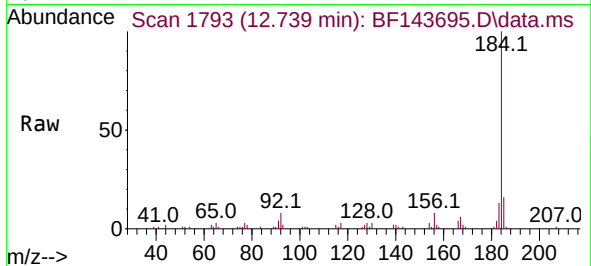
Tgt Ion:	240	Resp:	113275
Ion Ratio	Lower	Upper	
240	100		
120	10.2	8.4	12.6
236	25.2	18.6	28.0





#77
Benzidine
Concen: 8.314 ng
RT: 12.739 min Scan# 1793
Delta R.T. -0.000 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

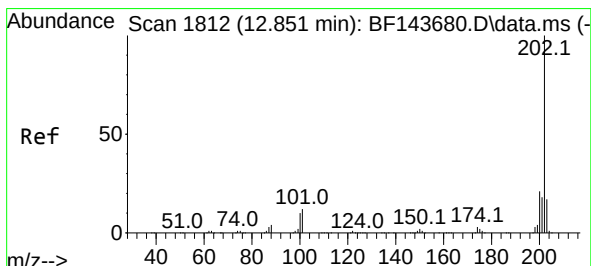
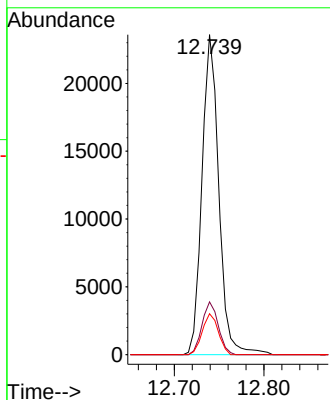
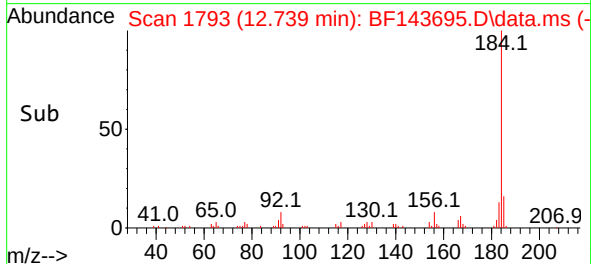
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT3-2025



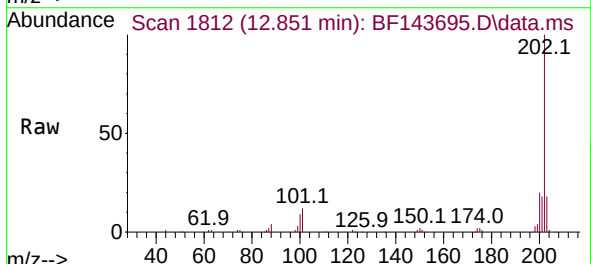
Tgt Ion:184 Resp: 30711
Ion Ratio Lower Upper
184 100
185 16.5 11.5 17.3
183 12.8 9.4 14.2

Manual Integrations
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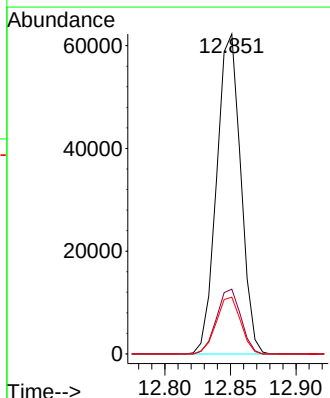
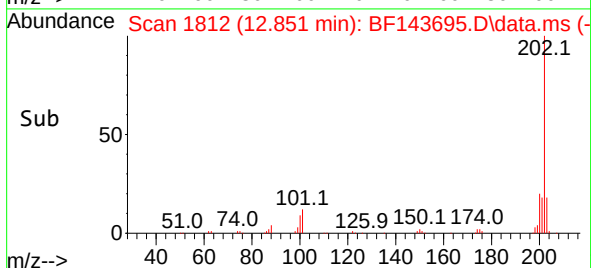
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025

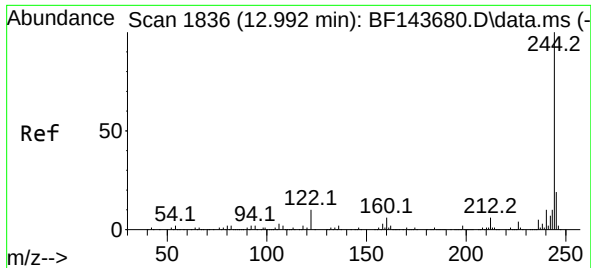


#78
Pyrene
Concen: 8.805 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.000 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49



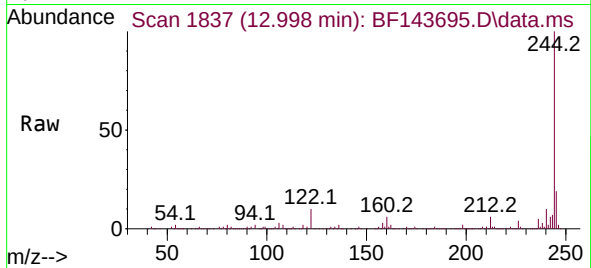
Tgt Ion:202 Resp: 79743
Ion Ratio Lower Upper
202 100
200 20.2 16.6 24.8
203 17.7 13.5 20.3





#79
 Terphenyl-d14
 Concen: 103.936 ng
 RT: 12.998 min Scan# 1837
 Delta R.T. 0.006 min
 Lab File: BF143695.D
 Acq: 10 Sep 2025 10:49

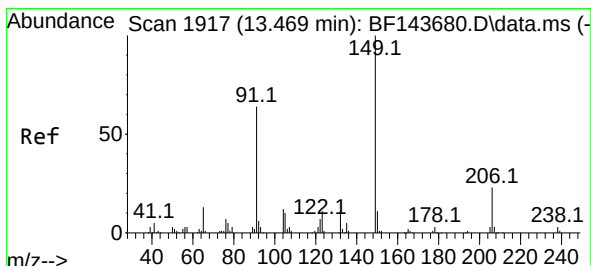
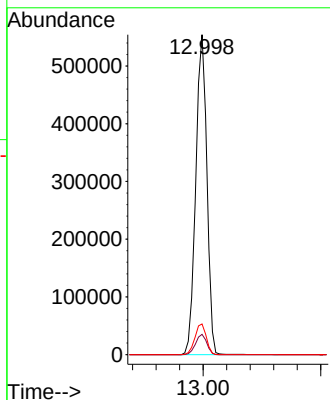
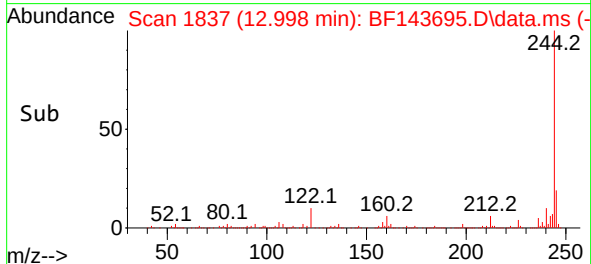
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2025



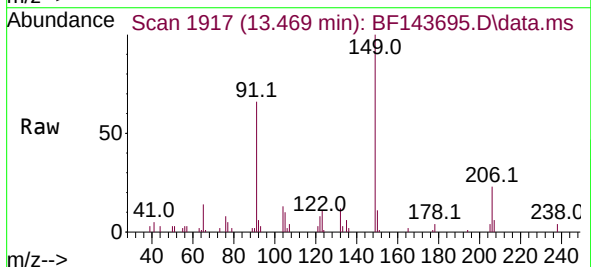
Tgt Ion:244 Resp: 726514
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.0 7.6
 122 9.6 7.9 11.9

Manual Integrations
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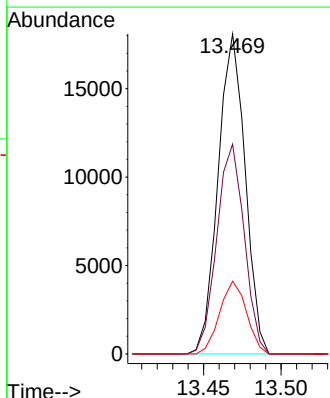
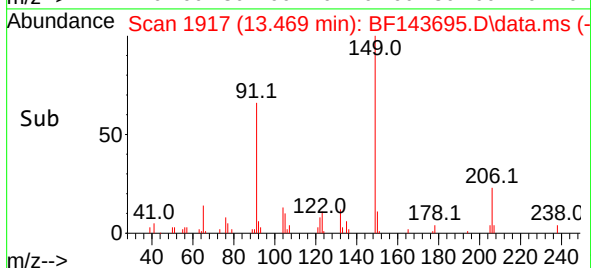
Reviewed By :Rahul Chavli 09/11/2025
 Supervised By :Jagrut Upadhyay 09/11/2025

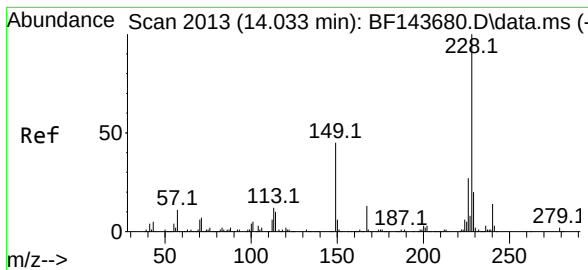


#80
 Butylbenzylphthalate
 Concen: 7.742 ng
 RT: 13.469 min Scan# 1917
 Delta R.T. -0.000 min
 Lab File: BF143695.D
 Acq: 10 Sep 2025 10:49



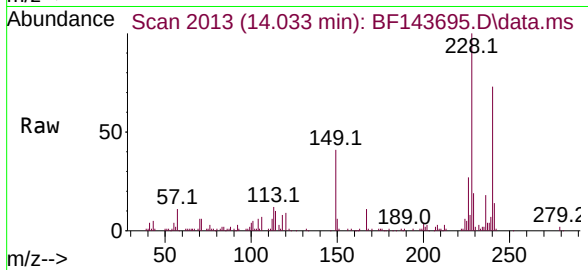
Tgt Ion:149 Resp: 21968
 Ion Ratio Lower Upper
 149 100
 91 65.5 50.9 76.3
 206 22.7 18.2 27.2





#81
Benzo(a)anthracene
Concen: 8.149 ng
RT: 14.033 min Scan# 2013
Delta R.T. -0.000 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

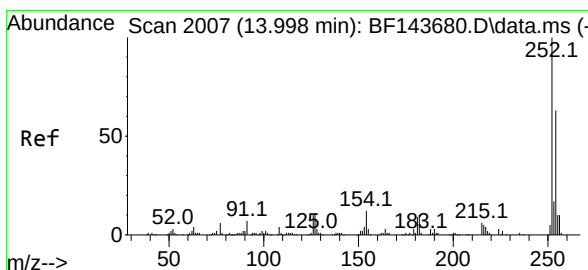
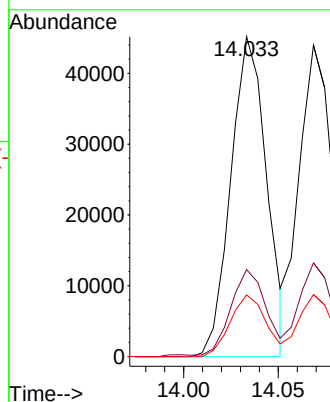
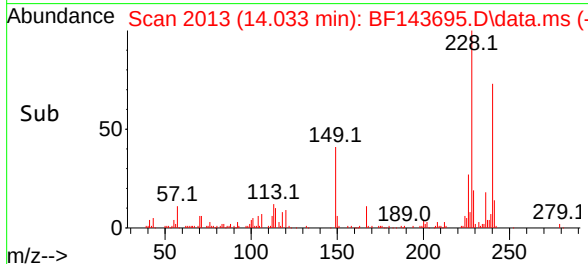
Instrument : BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025



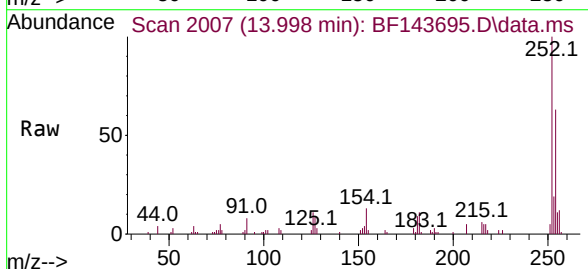
Tgt Ion:228 Resp: 59383
Ion Ratio Lower Upper
228 100
226 27.2 21.6 32.4
229 19.3 15.7 23.5

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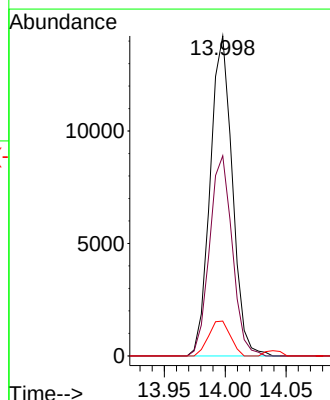
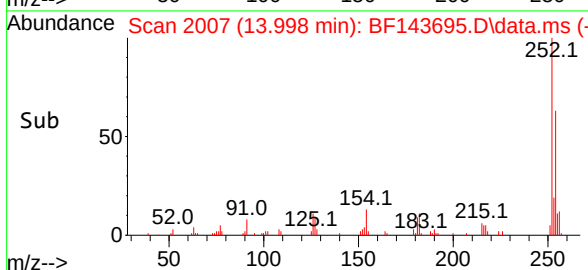
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025

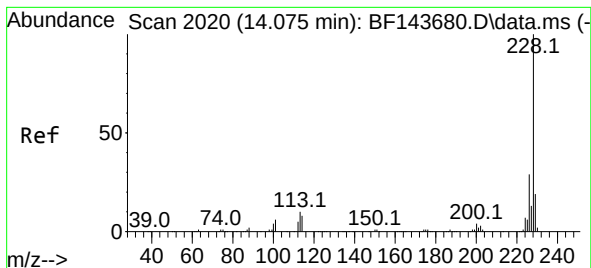


#82
3,3'-Dichlorobenzidine
Concen: 8.031 ng
RT: 13.998 min Scan# 2007
Delta R.T. -0.000 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49



Tgt Ion:252 Resp: 18005
Ion Ratio Lower Upper
252 100
254 62.5 50.5 75.7
126 10.9 8.2 12.4





#83

Chrysene

Concen: 8.202 ng

RT: 14.069 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF143695.D

Acq: 10 Sep 2025 10:49

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2025

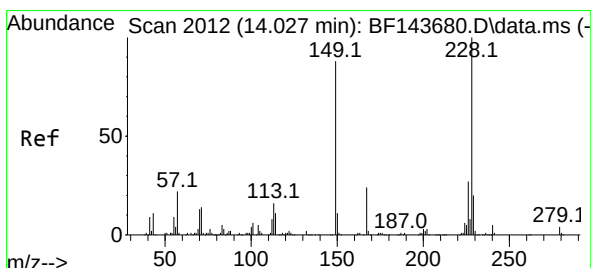
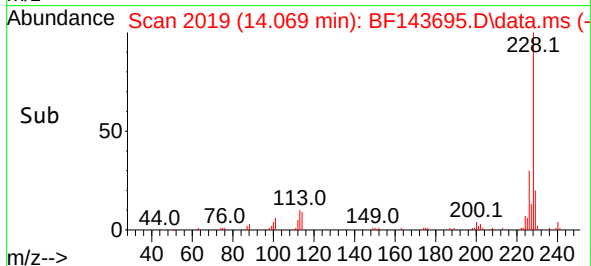
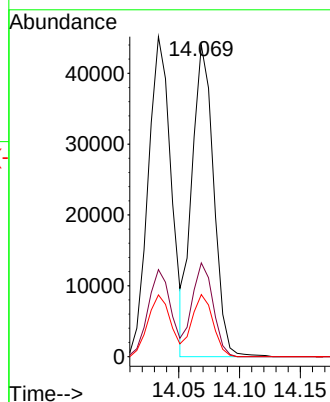
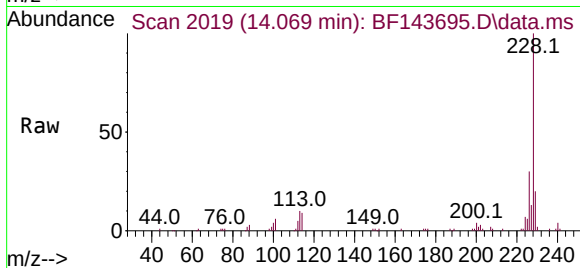
Tgt Ion:228	Resp: 54745
Ion Ratio	Lower Upper
228 100	
226 30.1	22.7 34.1
229 19.9	15.1 22.7

Manual Integrations

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Reviewed By :Rahul Chavli 09/11/2025

Supervised By :Jagrut Upadhyay 09/11/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.705 ng

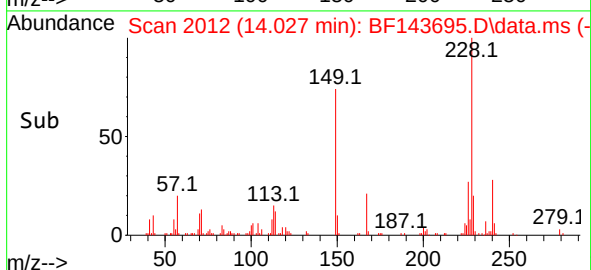
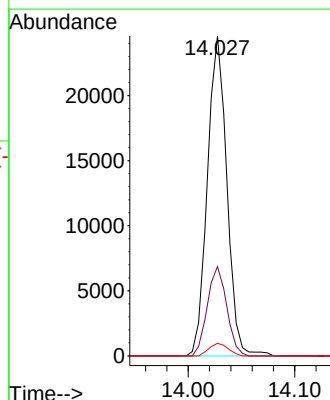
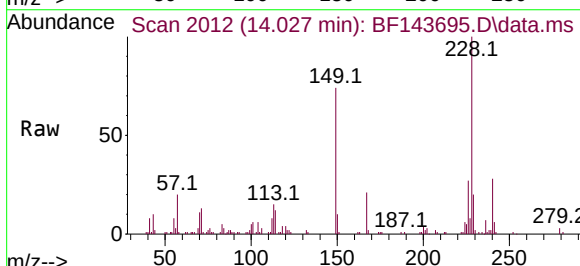
RT: 14.027 min Scan# 2012

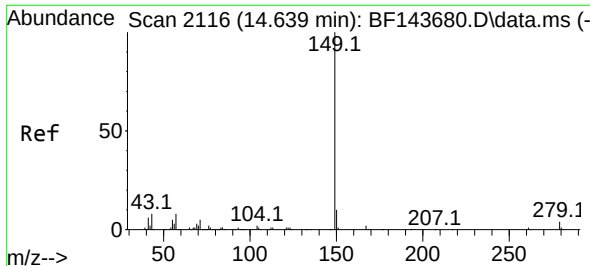
Delta R.T. -0.000 min

Lab File: BF143695.D

Acq: 10 Sep 2025 10:49

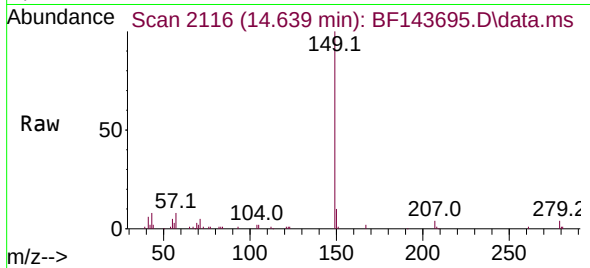
Tgt Ion:149	Resp: 31195
Ion Ratio	Lower Upper
149 100	
167 27.9	22.2 33.2
279 3.9	3.5 5.3





#85
Di-n-octyl phthalate
Concen: 6.574 ng
RT: 14.639 min Scan# 2116
Delta R.T. -0.000 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

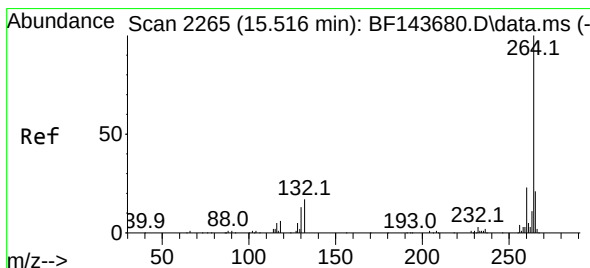
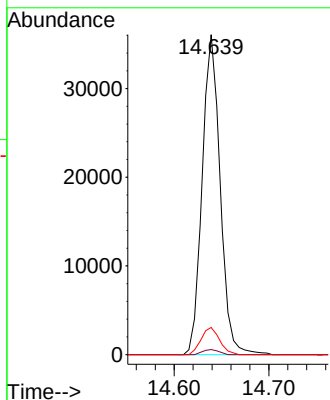
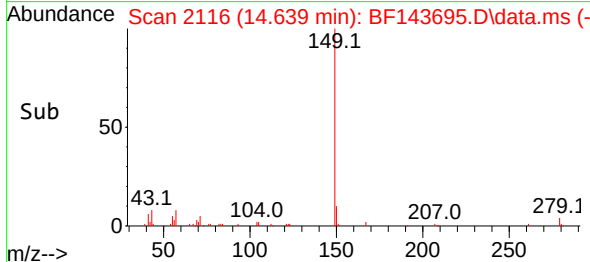
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT3-2025



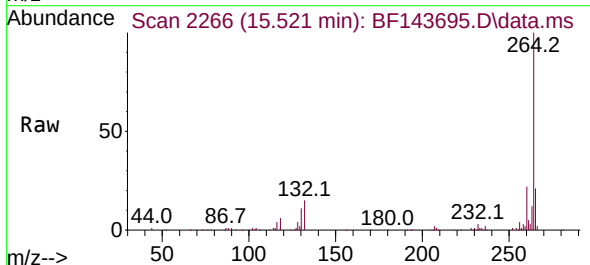
Tgt Ion:149 Resp: 47696
Ion Ratio Lower Upper
149 100
167 1.4 1.2 1.8
43 8.7 6.2 9.2

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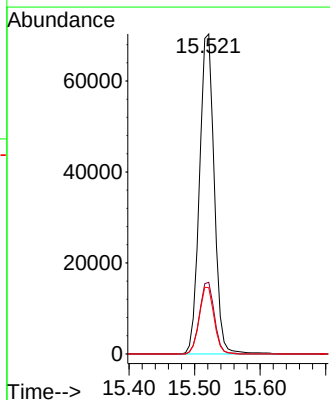
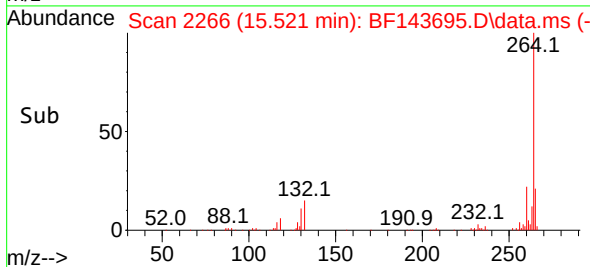
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025

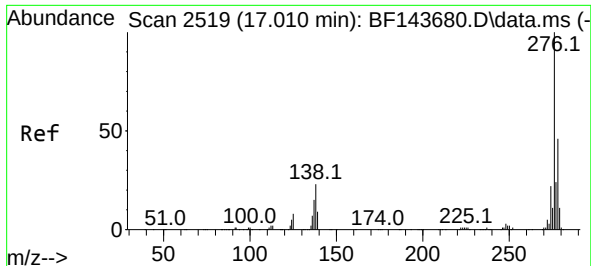


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2266
Delta R.T. 0.006 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49



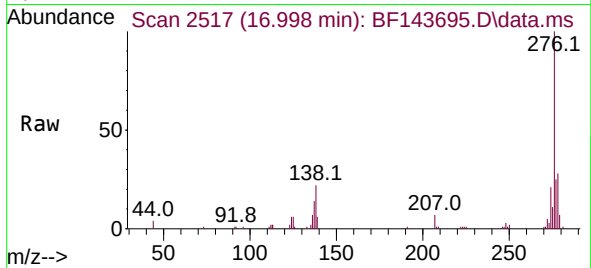
Tgt Ion:264 Resp: 109238
Ion Ratio Lower Upper
264 100
260 22.4 18.4 27.6
265 20.7 17.1 25.7





#87
Indeno(1,2,3-cd)pyrene
Concen: 7.385 ng
RT: 16.998 min Scan# 2519
Delta R.T. -0.012 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

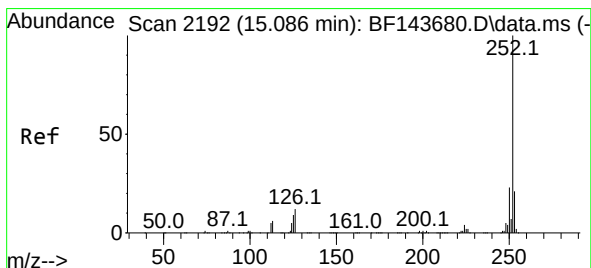
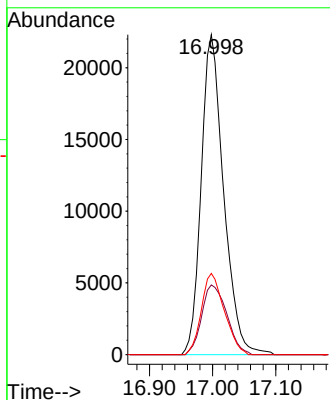
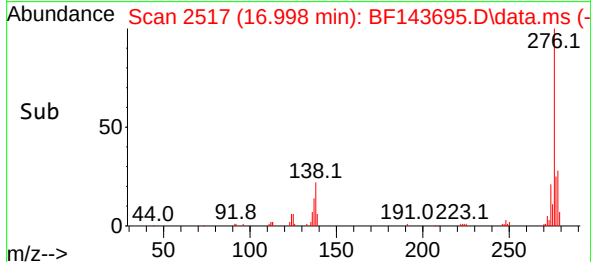
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:276 Resp: 55052
Ion Ratio Lower Upper
276 100
138 24.4 19.7 29.5
277 25.9 20.2 30.2

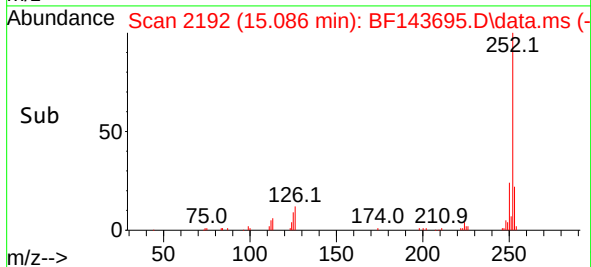
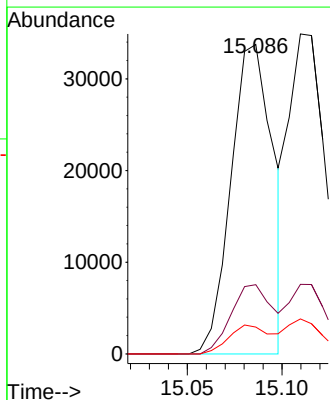
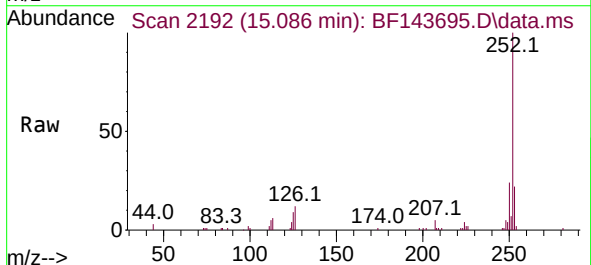
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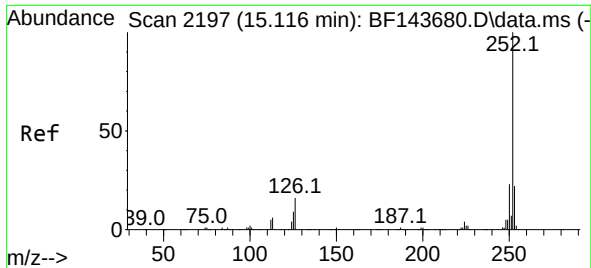
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#88
Benzo(b)fluoranthene
Concen: 8.002 ng
RT: 15.086 min Scan# 2192
Delta R.T. -0.000 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

Tgt Ion:252 Resp: 52032
Ion Ratio Lower Upper
252 100
253 22.3 17.0 25.4
125 8.7 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 8.188 ng m

RT: 15.110 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF143695.D

Acq: 10 Sep 2025 10:49

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2025

Tgt Ion:252 Resp: 48056

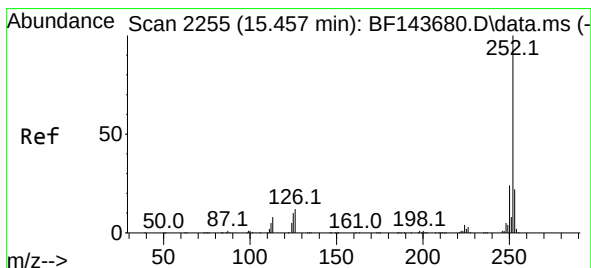
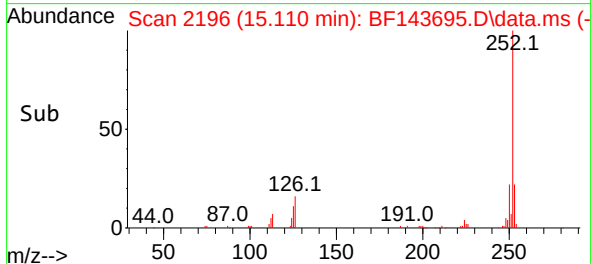
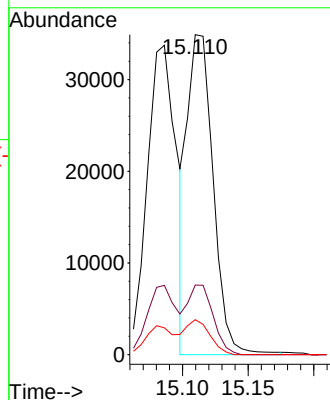
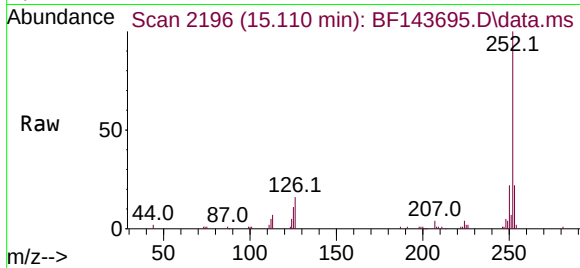
Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.3	25.9
125	10.9	7.3	10.9

Manual Integrations

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Reviewed By :Rahul Chavli 09/11/2025

Supervised By :Jagrut Upadhyay 09/11/2025



#90

Benzo(a)pyrene

Concen: 8.402 ng

RT: 15.457 min Scan# 2255

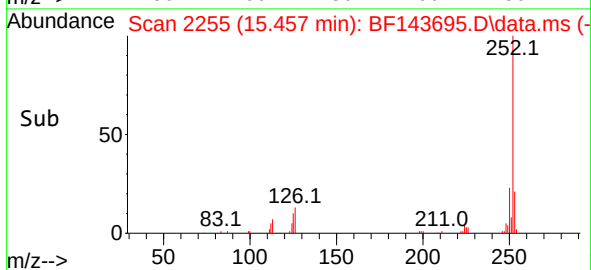
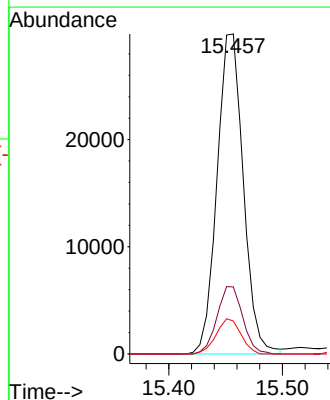
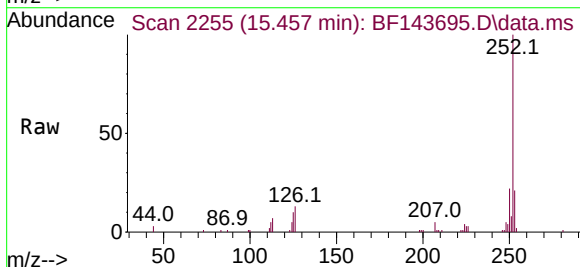
Delta R.T. -0.000 min

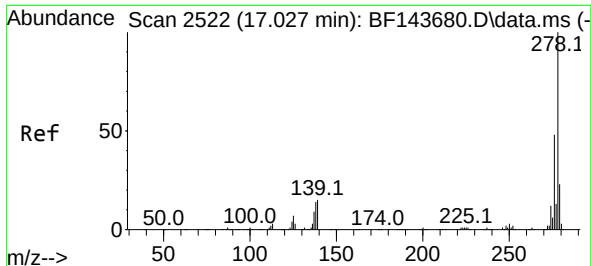
Lab File: BF143695.D

Acq: 10 Sep 2025 10:49

Tgt Ion:252 Resp: 48001

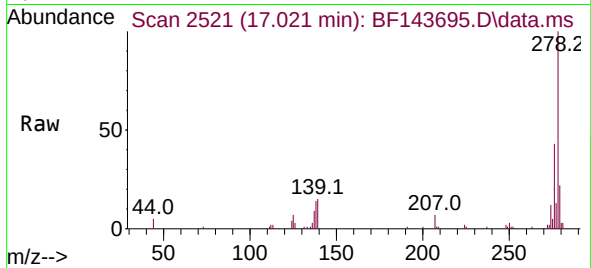
Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.4	26.0
125	10.3	8.2	12.4





#91
Dibenzo(a,h)anthracene
Concen: 7.405 ng
RT: 17.021 min Scan# 2521
Delta R.T. -0.006 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

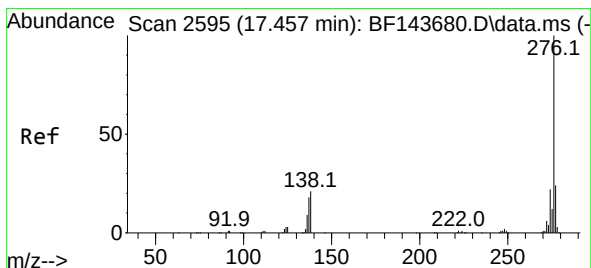
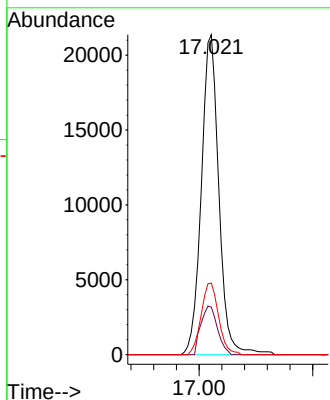
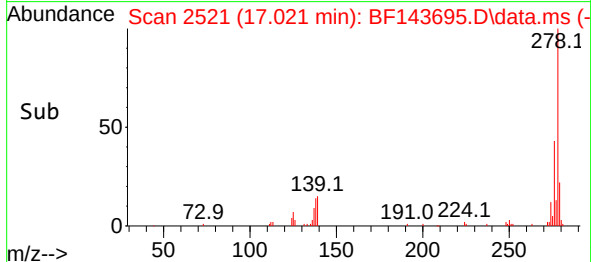
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:278 Resp: 45805
Ion Ratio Lower Upper
278 100
139 14.8 12.2 18.4
279 22.3 18.7 28.1

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#92
Benzo(g,h,i)perylene
Concen: 7.578 ng
RT: 17.445 min Scan# 2593
Delta R.T. -0.012 min
Lab File: BF143695.D
Acq: 10 Sep 2025 10:49

Tgt Ion:276 Resp: 43841
Ion Ratio Lower Upper
276 100
277 23.5 19.2 28.8
138 23.8 17.0 25.4

