

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100225\
 Data File : BF143859.D
 Acq On : 02 Oct 2025 17:12
 Operator : RC/JU
 Sample : Q3256-04MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-1-WCMS

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/03/2025
 Supervised By :Jagrut Upadhyay 10/03/2025

Quant Time: Oct 02 17:35:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 24 05:00:00 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	125315	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	480352	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	260593	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	441445	20.000	ng	0.00
76) Chrysene-d12	14.057	240	370263	20.000	ng	0.00
86) Perylene-d12	15.533	264	501142	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	896241	116.197	ng	0.02
7) Phenol-d6	6.510	99	1035440	116.185	ng	0.00
23) Nitrobenzene-d5	7.445	82	723520	92.199	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	340979	88.371	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1439484	86.200	ng	0.00
79) Terphenyl-d14	12.998	244	2095563	115.103	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.834	88	141639	38.366	ng	# 81
3) Pyridine	3.540	79	364194	36.546	ng	91
4) n-Nitrosodimethylamine	3.481	42	205843	41.194	ng	86
6) Aniline	6.551	93	327985	25.357	ng	98
8) 2-Chlorophenol	6.669	128	368500	46.668	ng	100
9) Benzaldehyde	6.440	77	129978	16.655	ng	95
10) Phenol	6.528	94	437771	42.260	ng	99
11) bis(2-Chloroethyl)ether	6.622	93	376630	46.382	ng	96
12) 1,3-Dichlorobenzene	6.828	146	397450	43.352	ng	99
13) 1,4-Dichlorobenzene	6.904	146	405012	44.267	ng	99
14) 1,2-Dichlorobenzene	7.057	146	386368	44.588	ng	100
15) Benzyl Alcohol	7.028	79	338184	52.517	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	766058	39.785	ng	95
17) 2-Methylphenol	7.134	107	294450	48.166	ng	99
18) Hexachloroethane	7.398	117	138900	43.169	ng	96
19) n-Nitroso-di-n-propyla...	7.298	70	268573	46.864	ng	91
20) 3+4-Methylphenols	7.287	107	342829	46.050	ng	# 81
22) Acetophenone	7.292	105	518354	49.132	ng	98
24) Nitrobenzene	7.469	77	401360	46.143	ng	96
25) Isophorone	7.704	82	746777	48.834	ng	99
26) 2-Nitrophenol	7.781	139	196538	54.639	ng	94
27) 2,4-Dimethylphenol	7.816	122	354185	51.819	ng	99
28) bis(2-Chloroethoxy)met...	7.916	93	459917	46.292	ng	99
29) 2,4-Dichlorophenol	8.022	162	331183	49.244	ng	99
30) 1,2,4-Trichlorobenzene	8.110	180	334067	47.864	ng	99
31) Naphthalene	8.192	128	1033523	44.945	ng	99
32) Benzoic acid	7.934	122	267715	81.182	ng	94
33) 4-Chloroaniline	8.234	127	162003	20.048	ng	98
34) Hexachlorobutadiene	8.304	225	240255	46.176	ng	99
35) Caprolactam	8.604	113	95898m	55.787	ng	
36) 4-Chloro-3-methylphenol	8.716	107	328737	52.118	ng	100
37) 2-Methylnaphthalene	8.881	142	643595	43.893	ng	99
38) 1-Methylnaphthalene	8.981	142	661351	47.123	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	384283	48.865	ng	99
41) Hexachlorocyclopentadiene	9.034	237	516102	103.549	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	248165	50.396	ng	99

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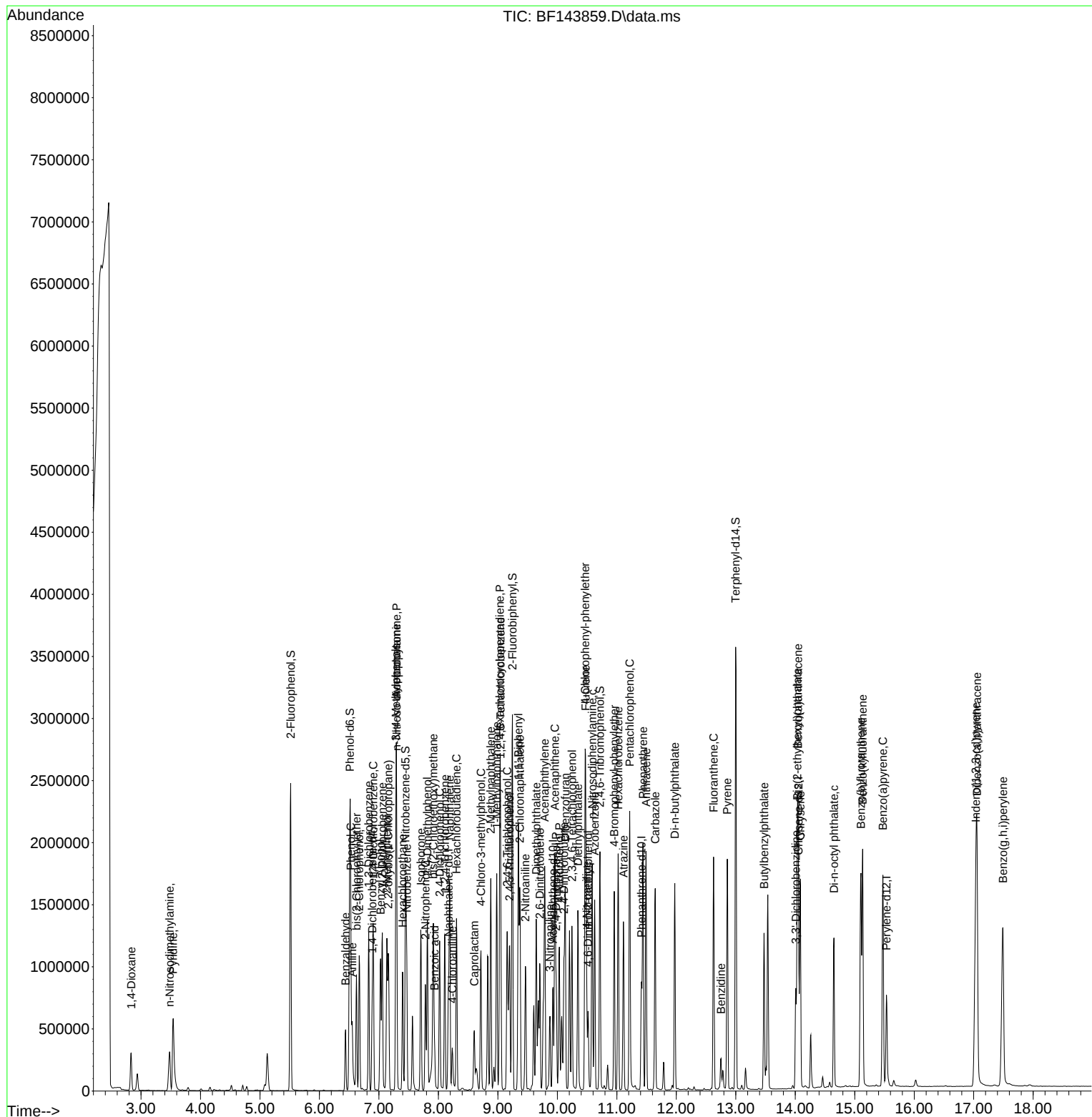
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	265937	51.631	ng	99
46) 1,1'-Biphenyl	9.345	154	931224	49.366	ng	99
47) 2-Chloronaphthalene	9.369	162	678660	44.695	ng	99
48) 2-Nitroaniline	9.463	65	271335	59.124	ng	99
49) Acenaphthylene	9.786	152	1109695	53.087	ng	100
50) Dimethylphthalate	9.645	163	816952	51.435	ng	100
51) 2,6-Dinitrotoluene	9.704	165	173296	66.407	ng	97
52) Acenaphthene	9.957	154	700996	50.960	ng	99
53) 3-Nitroaniline	9.875	138	123178	38.941	ng	95
54) 2,4-Dinitrophenol	9.980	184	152632	110.454	ng	# 21
55) Dibenzofuran	10.133	168	930532	47.838	ng	99
56) 4-Nitrophenol	10.033	139	260913	102.360	ng	92
57) 2,4-Dinitrotoluene	10.110	165	237886	60.599	ng	95
58) Fluorene	10.475	166	712192	49.250	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	271876	61.615	ng	97
60) Diethylphthalate	10.345	149	787212	52.946	ng	99
61) 4-Chlorophenyl-phenylether	10.469	204	371754	50.453	ng	95
62) 4-Nitroaniline	10.492	138	180984	60.851	ng	98
63) Azobenzene	10.628	77	773820	49.384	ng	96
65) 4,6-Dinitro-2-methylph...	10.516	198	111824	63.372	ng	86
66) n-Nitrosodiphenylamine	10.586	169	688946	47.455	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	368163	48.939	ng	98
68) Hexachlorobenzene	11.022	284	469814	45.316	ng	96
69) Atrazine	11.110	200	226045	53.768	ng	98
70) Pentachlorophenol	11.216	266	532055	103.099	ng	99
71) Phenanthrene	11.439	178	1073690	47.375	ng	100
72) Anthracene	11.492	178	1090822	47.983	ng	100
73) Carbazole	11.645	167	947714	47.680	ng	100
74) Di-n-butylphthalate	11.974	149	1160200	50.754	ng	100
75) Fluoranthene	12.627	202	1096843	48.119	ng	99
77) Benzidine	12.751	184	167158	18.527	ng	99
78) Pyrene	12.857	202	1107932	60.863	ng	99
80) Butylbenzylphthalate	13.474	149	396351	62.933	ng	97
81) Benzo(a)anthracene	14.045	228	999752	50.261	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	315976	36.668	ng	100
83) Chrysene	14.086	228	944634	52.483	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	480257	52.024	ng	98
85) Di-n-octyl phthalate	14.651	149	787946	47.055	ng	95
87) Indeno(1,2,3-cd)pyrene	17.033	276	1919120	50.472	ng	99
88) Benzo(b)fluoranthene	15.104	252	1310154	51.337	ng	100
89) Benzo(k)fluoranthene	15.133	252	1267601	49.439	ng	100
90) Benzo(a)pyrene	15.474	252	1274983	53.149	ng	100
91) Dibenzo(a,h)anthracene	17.057	278	1548721	49.798	ng	100
92) Benzo(g,h,i)perylene	17.492	276	1579743	52.694	ng	99

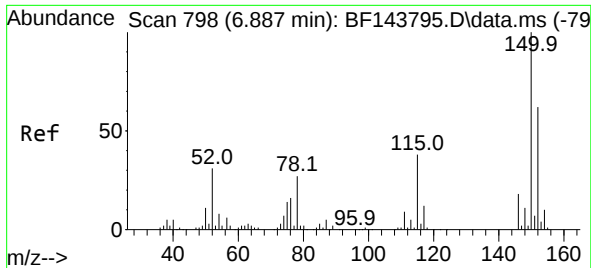
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations APPROVED

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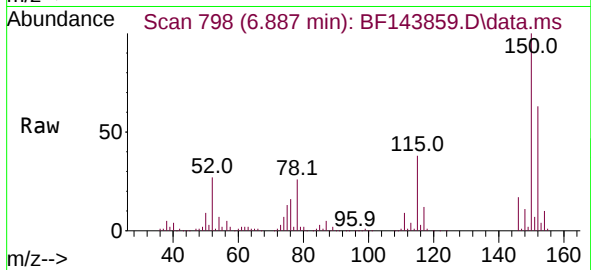
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QLast Update : Wed Sep 24 05:00:00 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 798
Delta R.T. -0.000 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

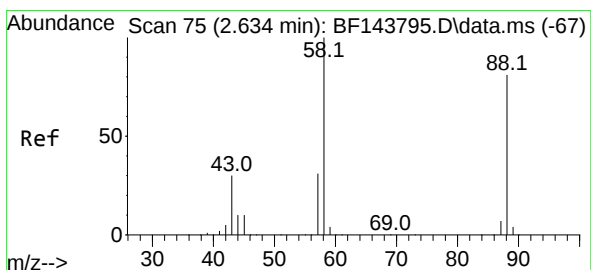
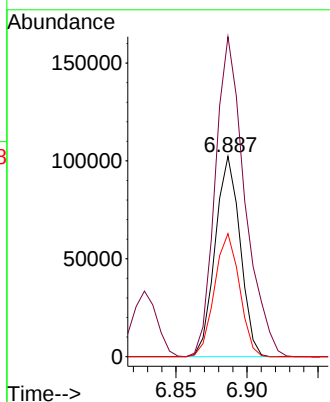
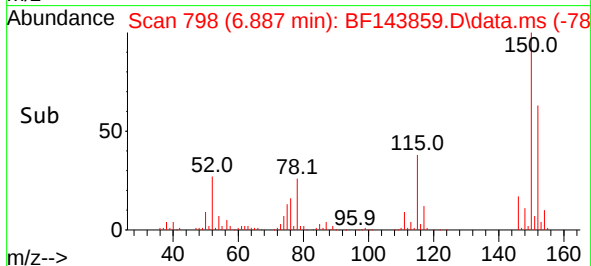
Instrument :
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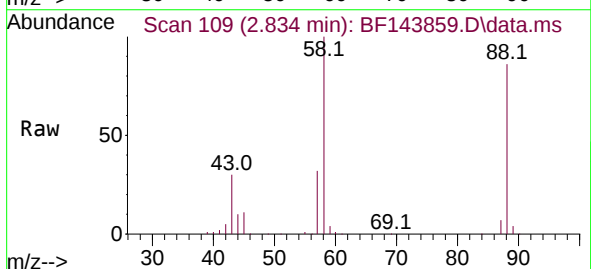
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Ion Ratio Lower Upper
152 100
150 159.8 129.6 194.4
115 61.4 49.0 73.4

Manual Integrations
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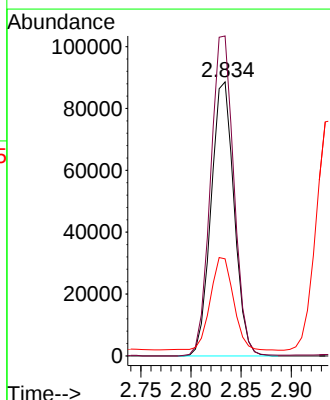
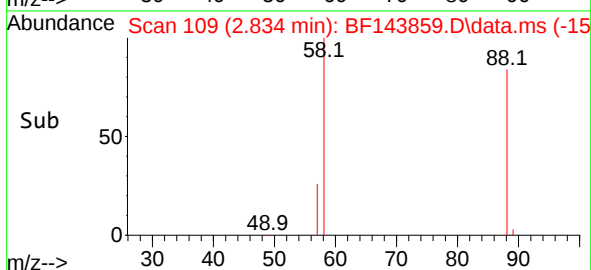
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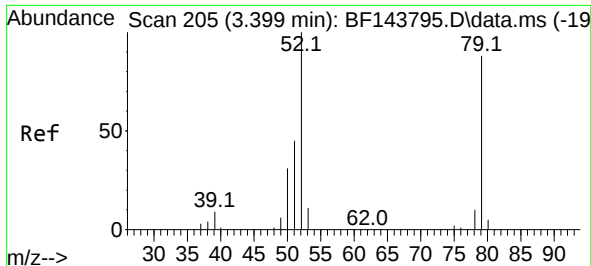


#2
1,4-Dioxane
Concen: 38.366 ng
RT: 2.834 min Scan# 109
Delta R.T. 0.200 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12



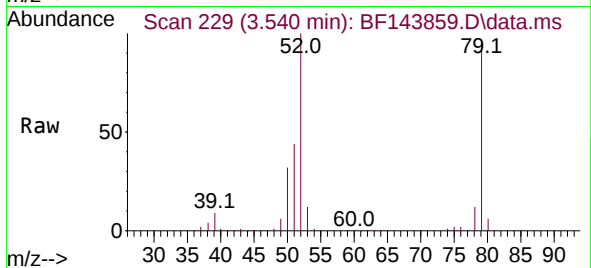
Tgt Ion: 88 Resp: 141639
Ion Ratio Lower Upper
88 100
58 118.3 99.4 149.2
43 0.0 30.6 45.8#





#3
Pyridine
Concen: 36.546 ng
RT: 3.540 min Scan# 219
Delta R.T. 0.141 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

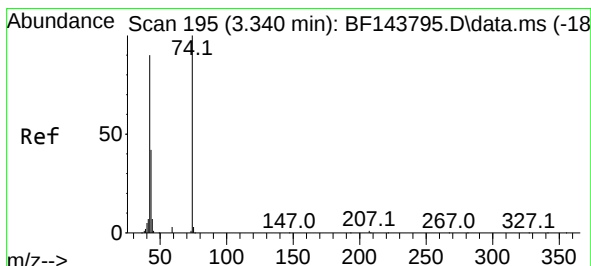
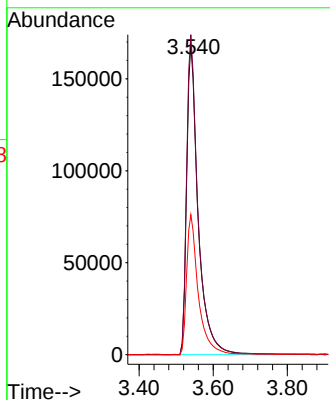
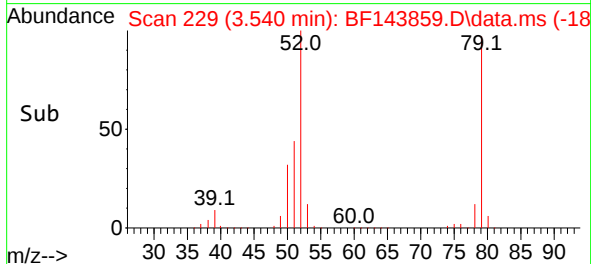
Instrument :
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ClientSampleId :
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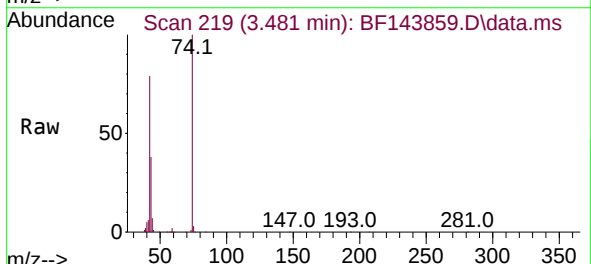
Tgt Ion: 79 Resp: 364194
Ion Ratio Lower Upper
79 100
52 103.0 90.5 135.7
51 45.0 40.6 61.0

Manual Integrations
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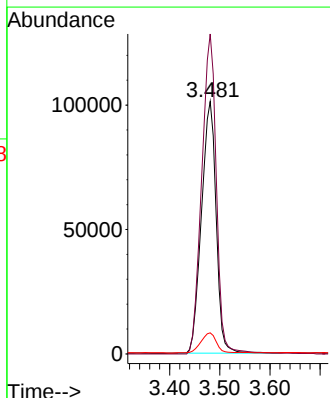
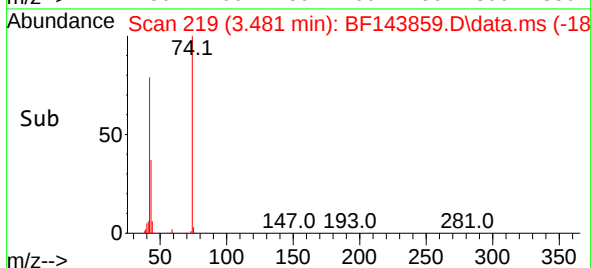
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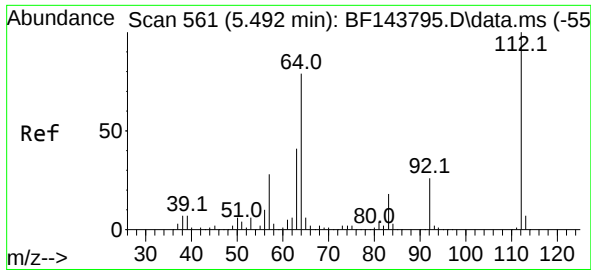


#4
n-Nitrosodimethylamine
Concen: 41.194 ng
RT: 3.481 min Scan# 219
Delta R.T. 0.124 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12



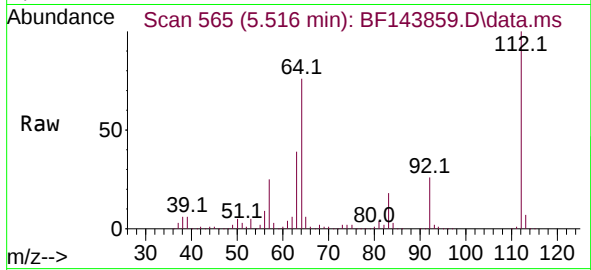
Tgt Ion: 42 Resp: 205843
Ion Ratio Lower Upper
42 100
74 126.8 89.1 133.7
44 8.4 6.4 9.6





#5
2-Fluorophenol
Concen: 116.197 ng
RT: 5.516 min Scan# 50
Delta R.T. 0.018 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

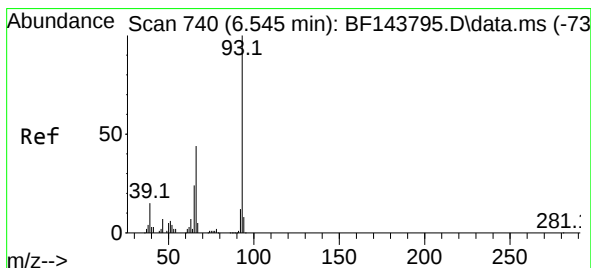
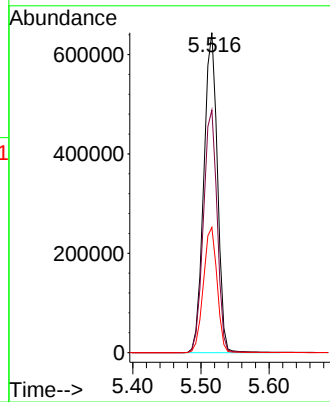
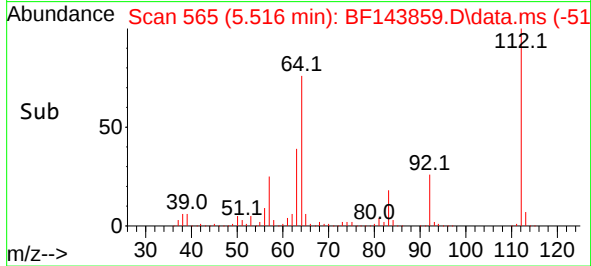
Instrument :
BNA_F
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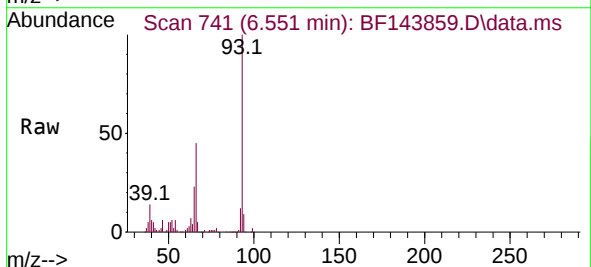
Tgt Ion:112 Resp: 89624
Ion Ratio Lower Upper
112 100
64 75.8 63.0 94.4
63 39.1 32.6 49.0

Manual Integrations
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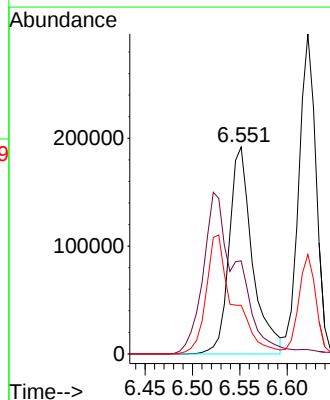
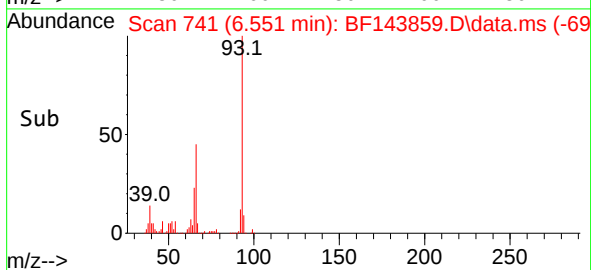
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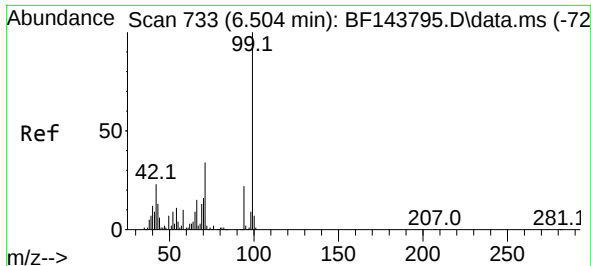


#6
Aniline
Concen: 25.357 ng
RT: 6.551 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12



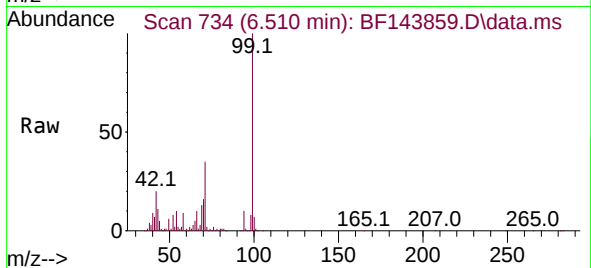
Tgt Ion: 93 Resp: 327985
Ion Ratio Lower Upper
93 100
66 45.0 37.1 55.7
65 23.4 19.4 29.0





#7
Phenol-d6
Concen: 116.185 ng
RT: 6.510 min Scan# 733
Delta R.T. 0.000 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

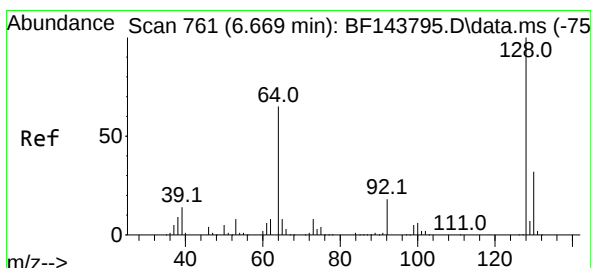
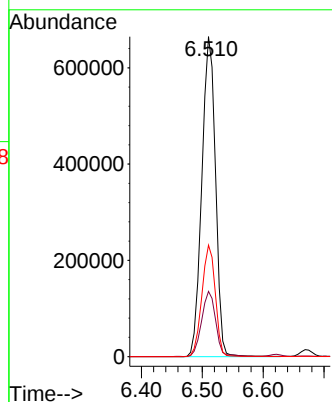
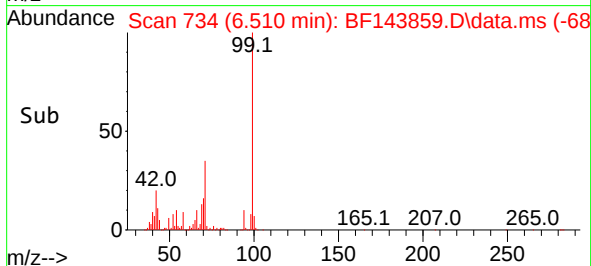
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Tgt Ion: 99 Resp: 1035440
Ion Ratio Lower Upper
99 100
42 20.4 18.6 28.0
71 34.8 27.0 40.4

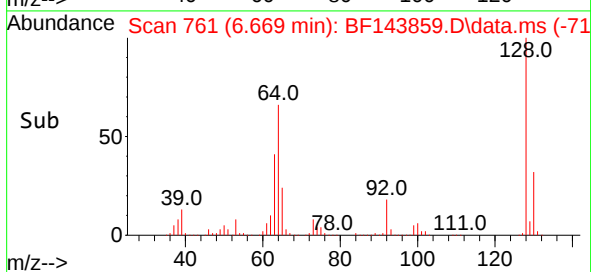
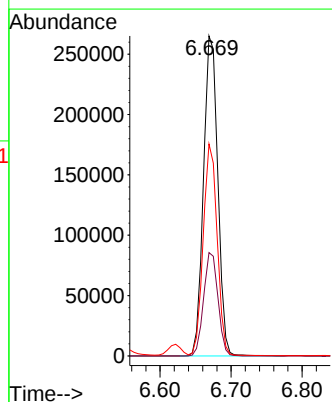
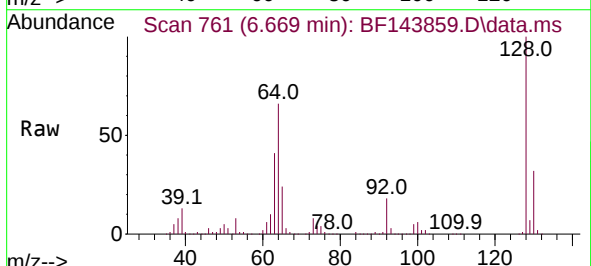
Manual Integrations
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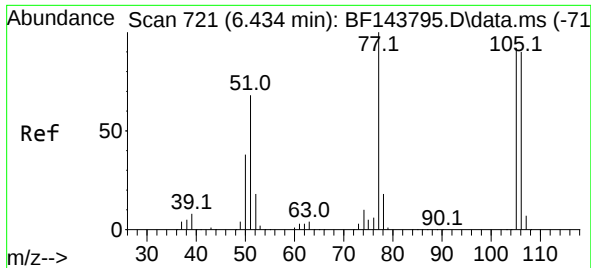
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#8
2-Chlorophenol
Concen: 46.668 ng
RT: 6.669 min Scan# 761
Delta R.T. 0.000 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

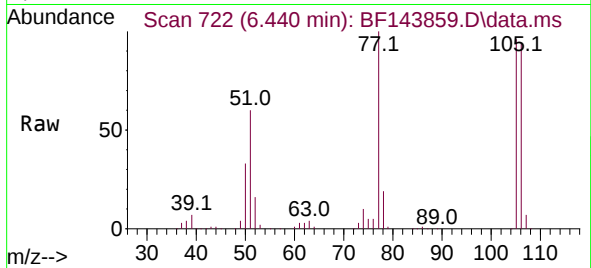
Tgt Ion:128 Resp: 368500
Ion Ratio Lower Upper
128 100
130 32.3 12.2 52.2
64 66.2 46.5 86.5





#9
Benzaldehyde
Concen: 16.655 ng
RT: 6.440 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF143859.D
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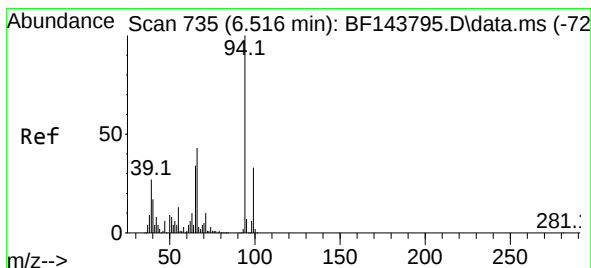
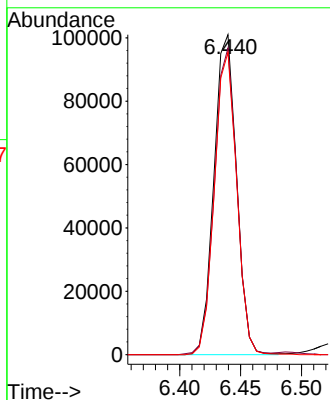
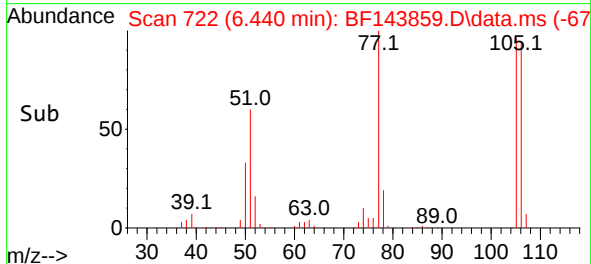
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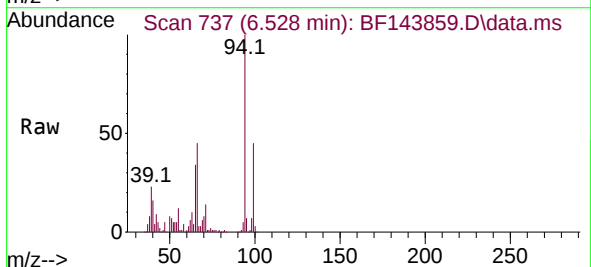
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Ion Ratio Lower Upper
77 100
105 95.8 71.8 111.8
106 94.4 69.8 109.8

Manual Integrations
APPROVED

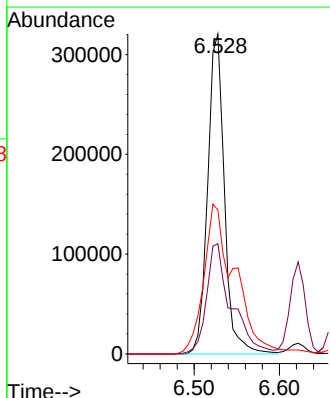
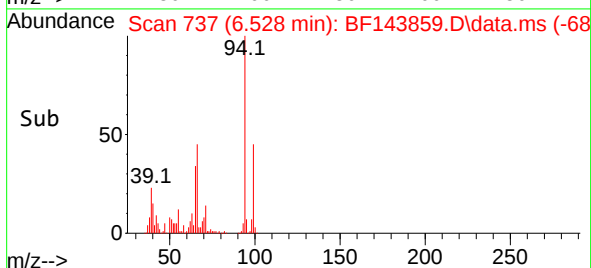
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

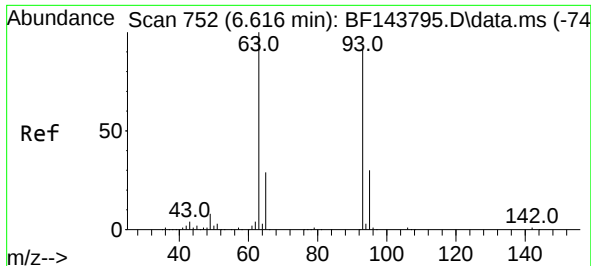


#10
Phenol
Concen: 42.260 ng
RT: 6.528 min Scan# 737
Delta R.T. 0.000 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12



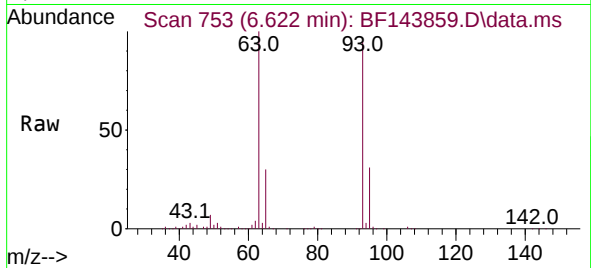
Tgt Ion: 94 Resp: 437771
Ion Ratio Lower Upper
94 100
65 34.4 14.2 54.2
66 45.0 24.1 64.1





#11
bis(2-Chloroethyl)ether
Concen: 46.382 ng
RT: 6.622 min Scan# 752
Delta R.T. 0.000 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

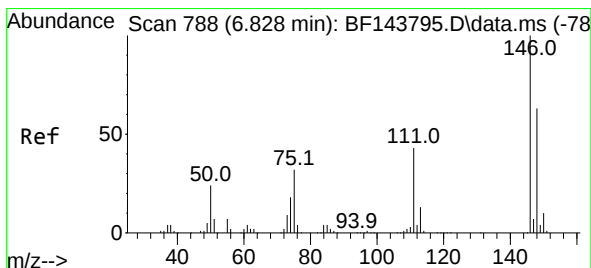
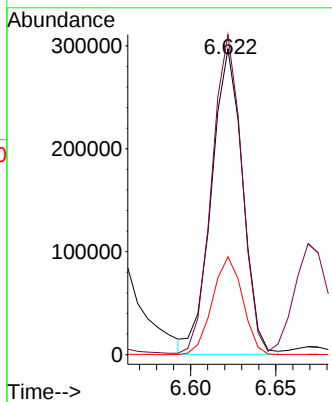
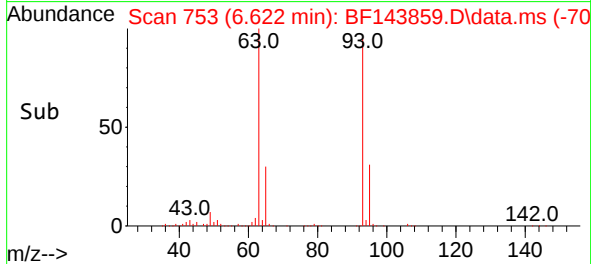
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMS



Tgt Ion: 93 Resp: 376630
Ion Ratio Lower Upper
93 100
63 104.8 89.2 129.2
95 32.1 12.9 52.9

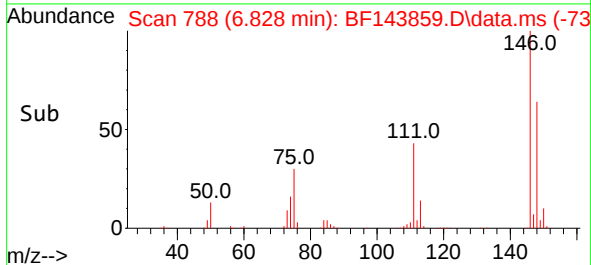
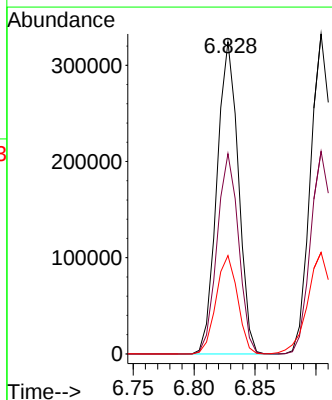
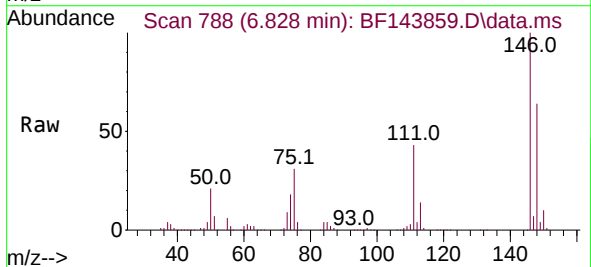
Manual Integrations
APPROVED

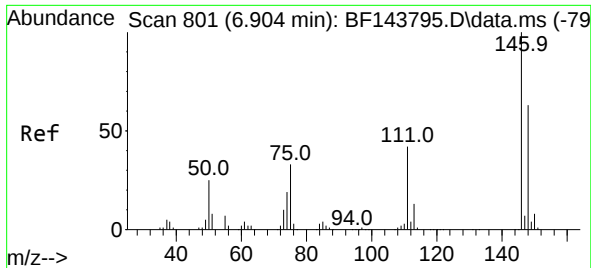
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#12
1,3-Dichlorobenzene
Concen: 43.352 ng
RT: 6.828 min Scan# 788
Delta R.T. 0.000 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

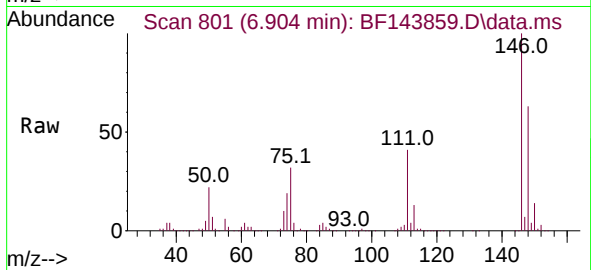
Tgt Ion:146 Resp: 397450
Ion Ratio Lower Upper
146 100
148 64.1 50.4 75.6
75 31.5 25.6 38.4





#13
1,4-Dichlorobenzene
Concen: 44.267 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

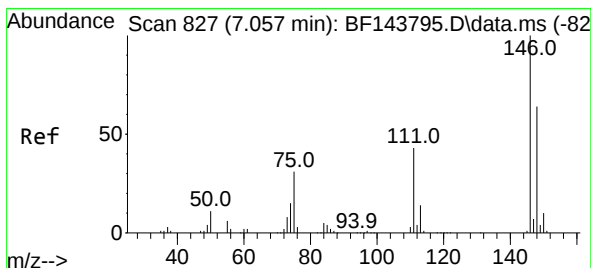
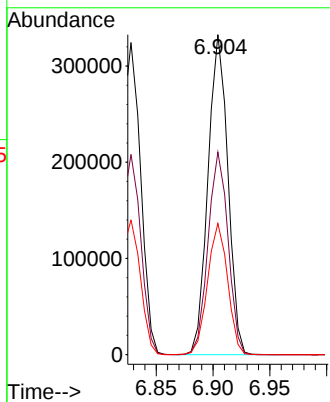
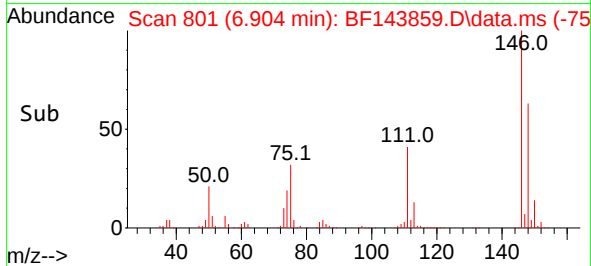
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMS



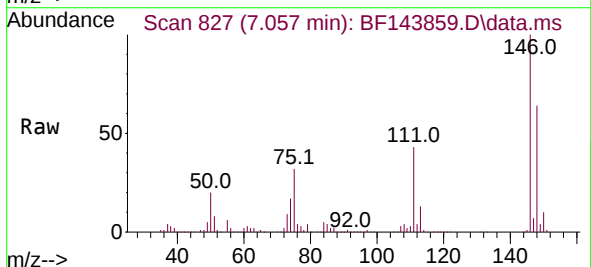
Tgt Ion:146 Resp: 405012
Ion Ratio Lower Upper
146 100
148 63.3 50.7 76.1
111 41.0 33.4 50.2

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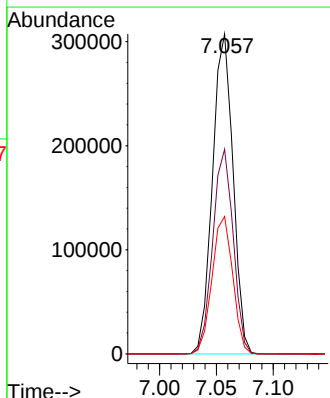
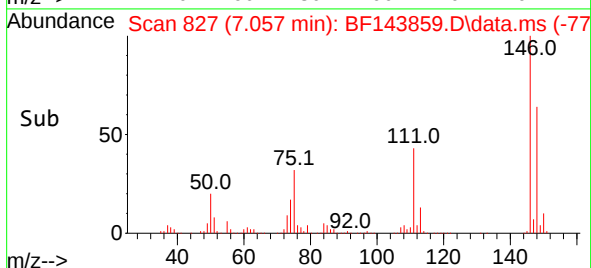
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

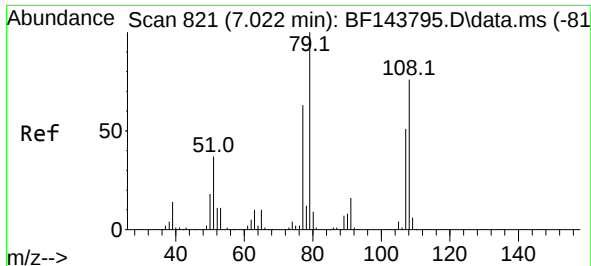


#14
1,2-Dichlorobenzene
Concen: 44.588 ng
RT: 7.057 min Scan# 827
Delta R.T. 0.000 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12



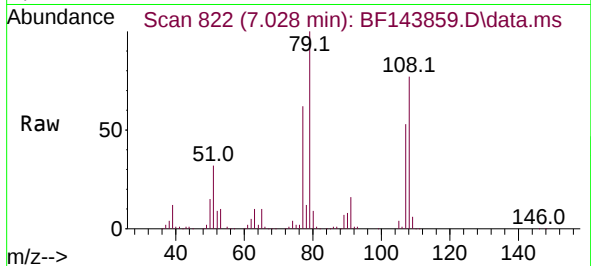
Tgt Ion:146 Resp: 386368
Ion Ratio Lower Upper
146 100
148 63.9 51.1 76.7
111 42.9 34.3 51.5





#15
Benzyl Alcohol
Concen: 52.517 ng
RT: 7.028 min Scan# 821
Delta R.T. -0.000 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

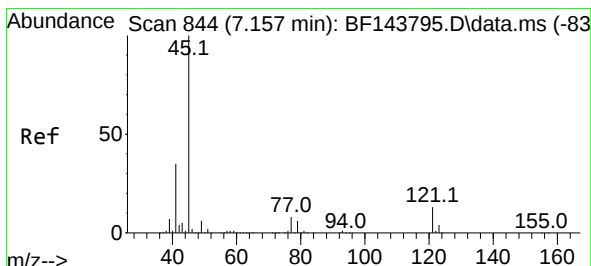
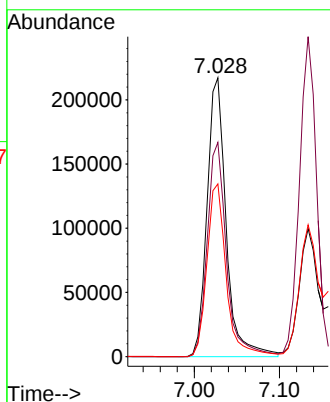
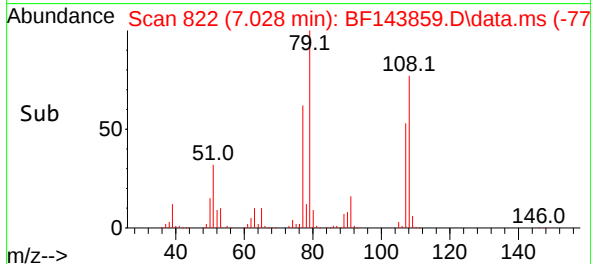
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMS



Tgt Ion: 79 Resp: 338184
Ion Ratio Lower Upper
79 100
108 76.8 60.5 90.7
77 62.0 50.3 75.5

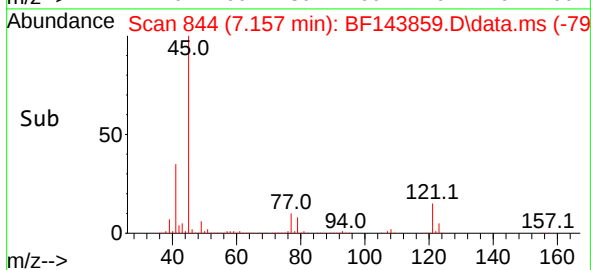
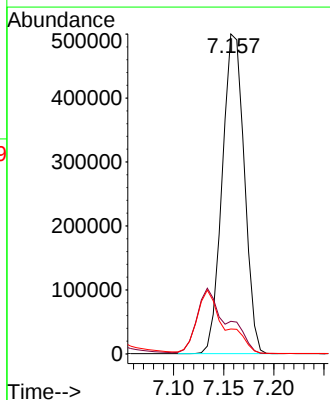
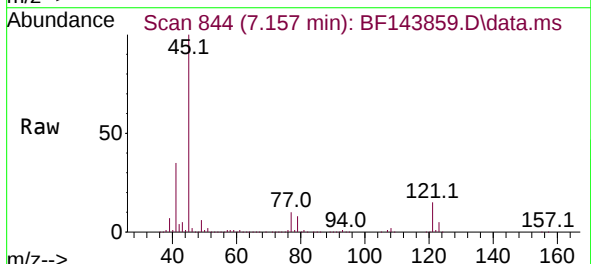
Manual Integrations
APPROVED

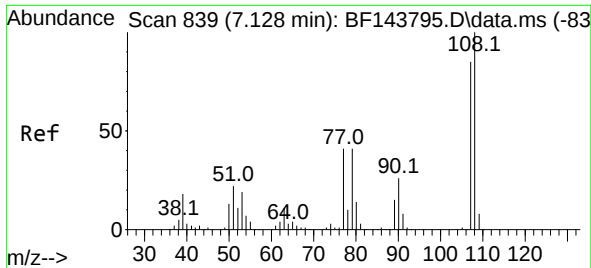
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.785 ng
RT: 7.157 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

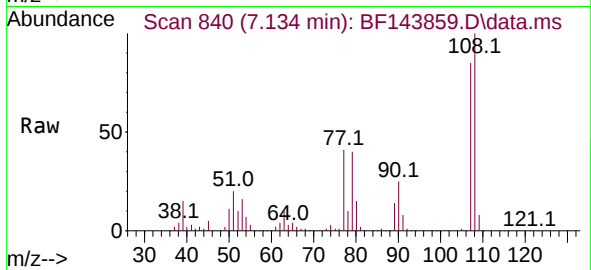
Tgt Ion: 45 Resp: 766058
Ion Ratio Lower Upper
45 100
77 10.2 0.0 28.5
79 7.8 0.0 26.3





#17
2-Methylphenol
Concen: 48.166 ng
RT: 7.134 min Scan# 840
Delta R.T. -0.000 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

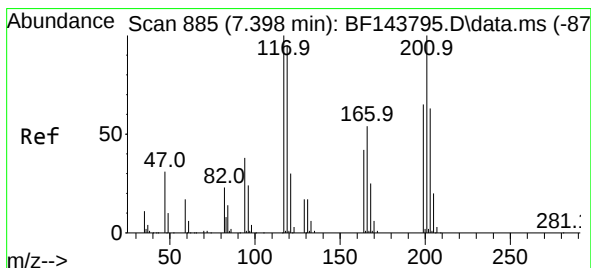
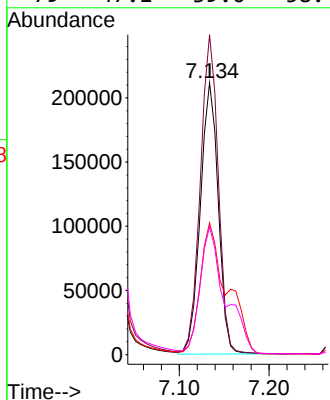
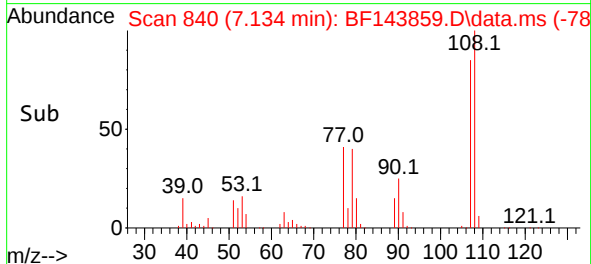
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMS



Tgt Ion:107 Resp: 294450
Ion Ratio Lower Upper
107 100
108 117.7 94.2 141.4
77 48.5 38.6 58.0
79 47.1 39.0 58.4

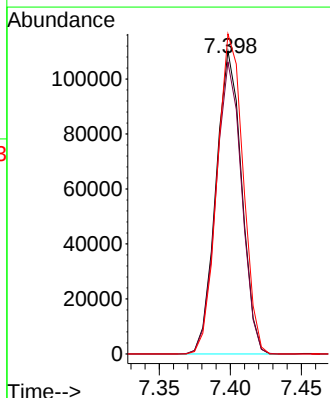
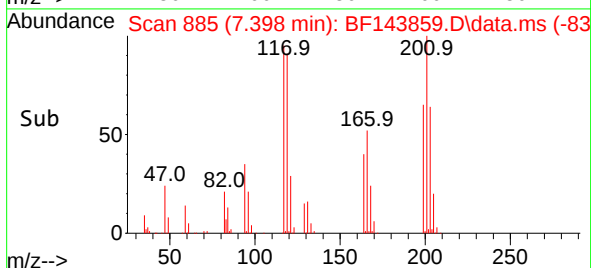
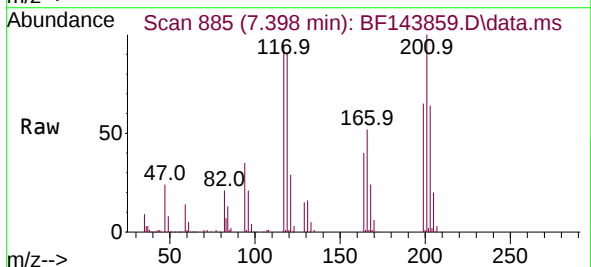
Manual Integrations
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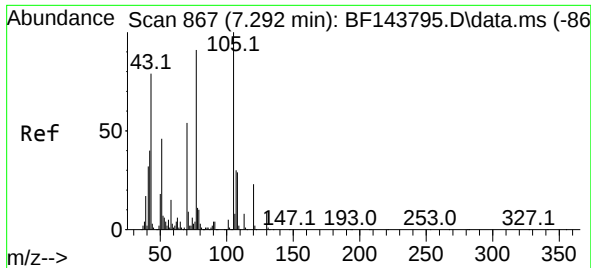
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#18
Hexachloroethane
Concen: 43.169 ng
RT: 7.398 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

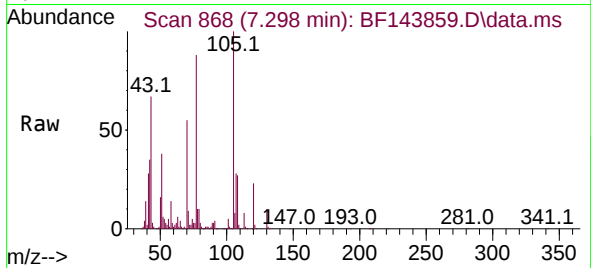
Tgt Ion:117 Resp: 138900
Ion Ratio Lower Upper
117 100
119 96.3 76.2 114.2
201 105.6 79.7 119.5





#19
n-Nitroso-di-n-propylamine
Concen: 46.864 ng
RT: 7.298 min Scan# 868
Delta R.T. -0.006 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

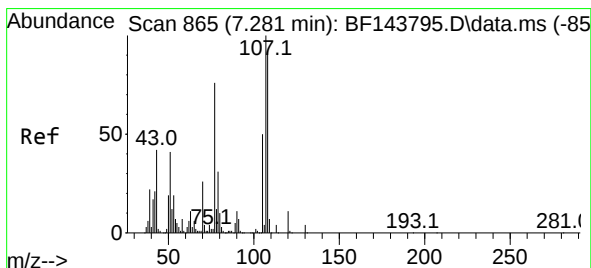
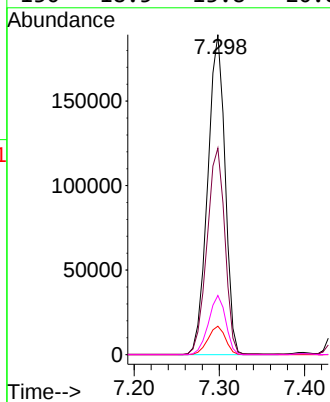
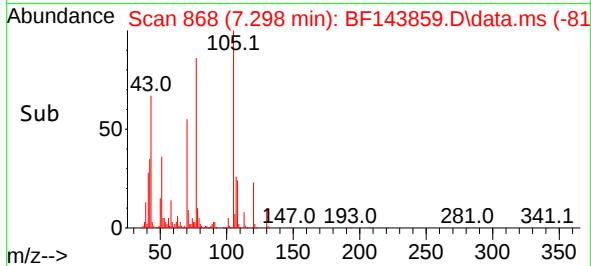
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMS



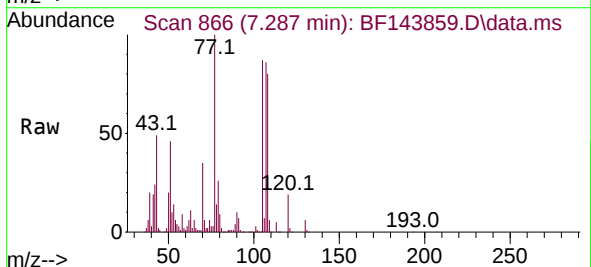
Tgt Ion: 70 Resp: 268573
Ion Ratio Lower Upper
70 100
42 64.5 59.4 89.0
101 8.9 7.1 10.7
130 18.5 13.8 20.8

Manual Integrations
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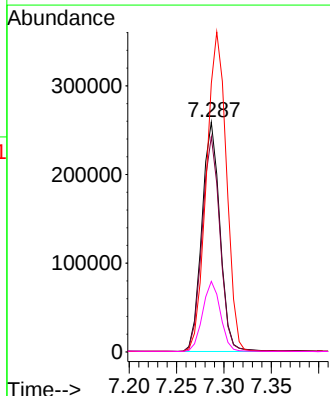
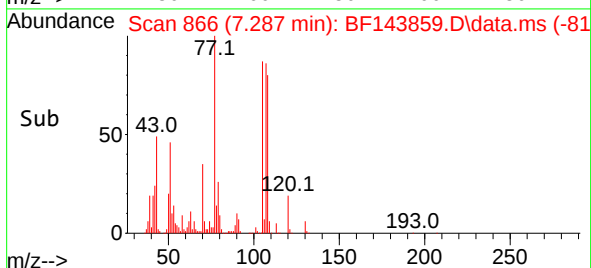
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

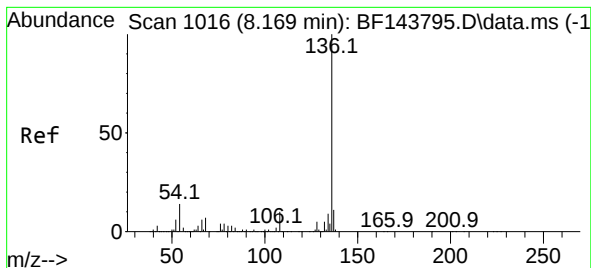


#20
3+4-Methylphenols
Concen: 46.050 ng
RT: 7.287 min Scan# 866
Delta R.T. 0.000 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12



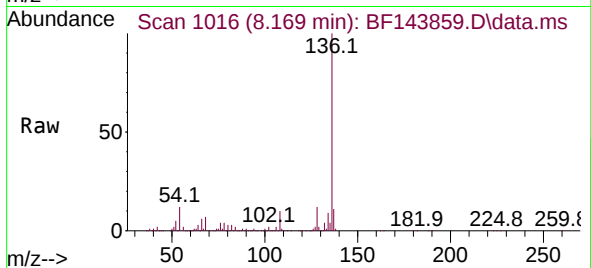
Tgt Ion:107 Resp: 342829
Ion Ratio Lower Upper
107 100
108 93.7 72.5 112.5
77 116.8 56.2 96.2#
79 30.7 10.8 50.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.000 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

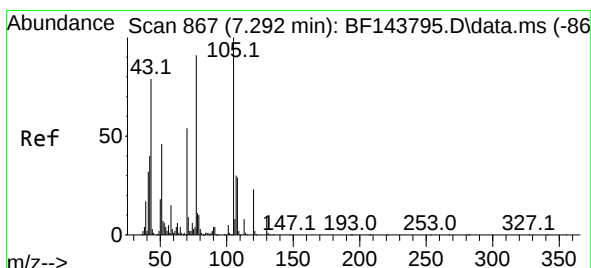
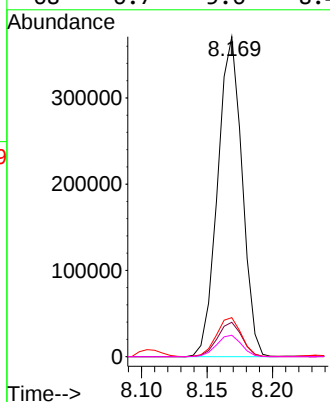
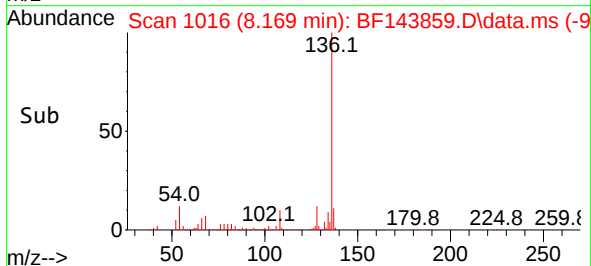
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMS



Tgt Ion:136 Resp: 480352
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.4
54 12.2 11.2 16.8
68 6.7 5.6 8.4

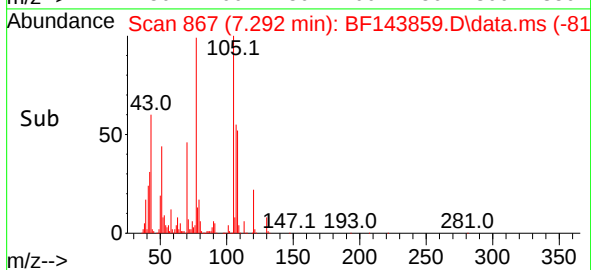
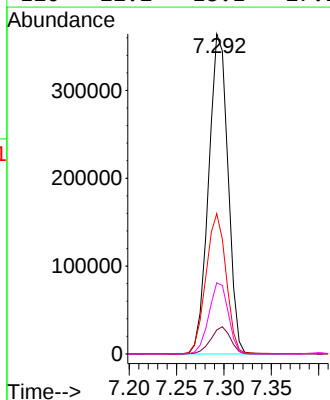
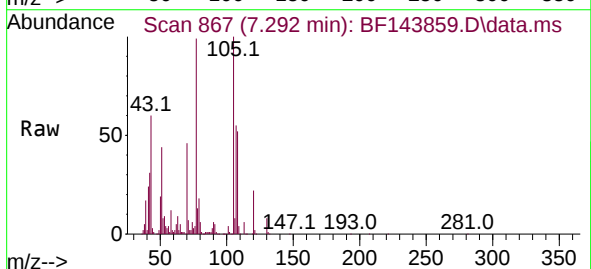
Manual Integrations
APPROVED

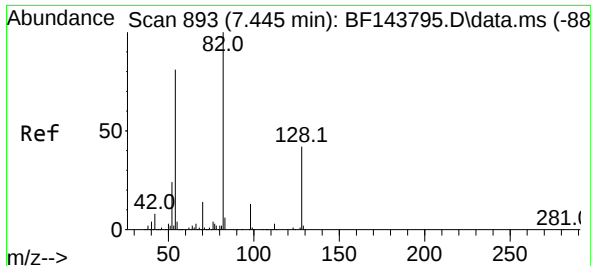
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#22
Acetophenone
Concen: 49.132 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.006 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

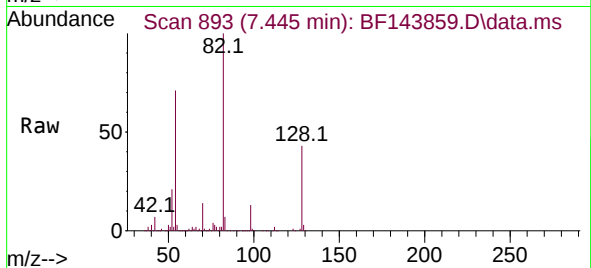
Tgt Ion:105 Resp: 518354
Ion Ratio Lower Upper
105 100
71 7.5 7.0 10.4
51 43.8 36.6 55.0
120 22.2 18.1 27.1





#23
Nitrobenzene-d5
Concen: 92.199 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.006 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

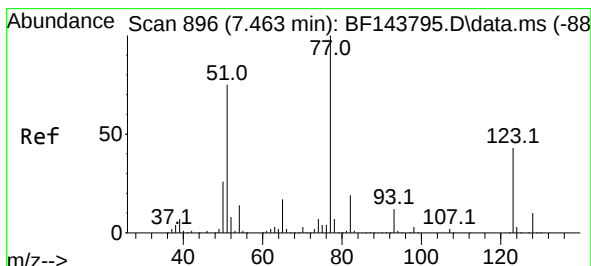
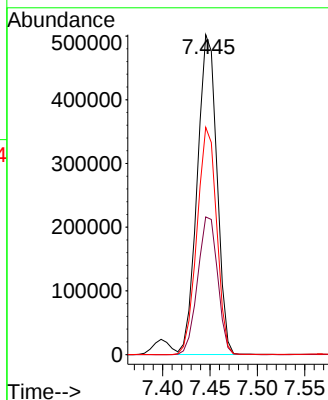
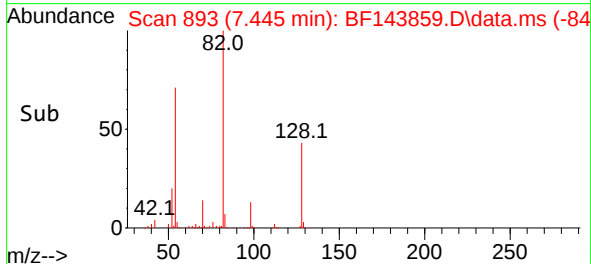
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMS



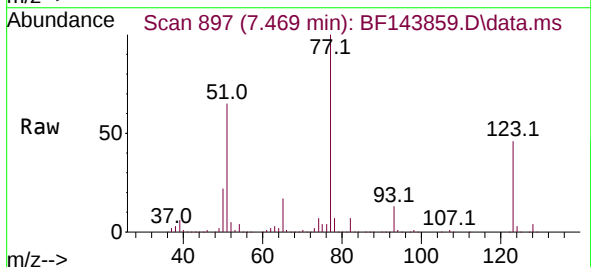
Tgt Ion: 82 Resp: 723520
Ion Ratio Lower Upper
82 100
128 43.0 33.3 49.9
54 71.0 64.2 96.4

Manual Integrations
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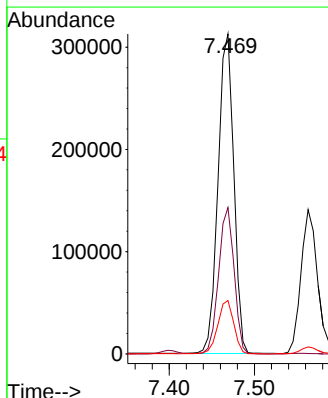
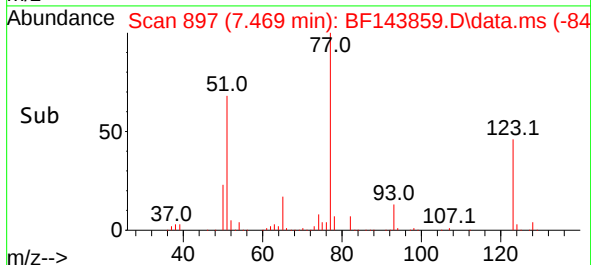
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

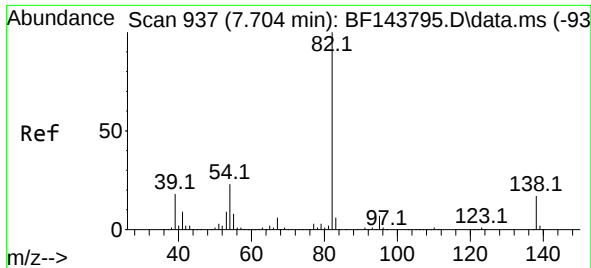


#24
Nitrobenzene
Concen: 46.143 ng
RT: 7.469 min Scan# 897
Delta R.T. -0.006 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12



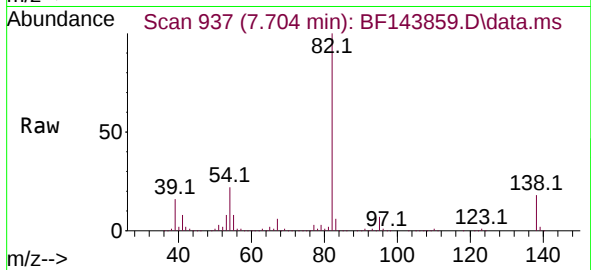
Tgt Ion: 77 Resp: 401360
Ion Ratio Lower Upper
77 100
123 45.7 34.0 51.0
65 16.7 13.5 20.3





#25
Isophorone
Concen: 48.834 ng
RT: 7.704 min Scan# 937
Delta R.T. -0.006 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

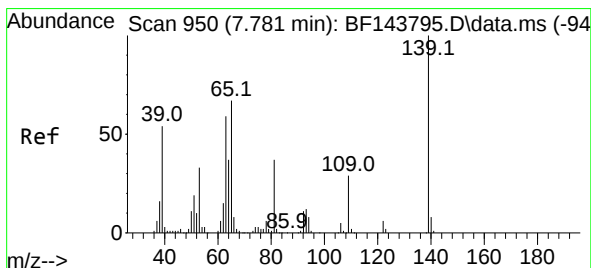
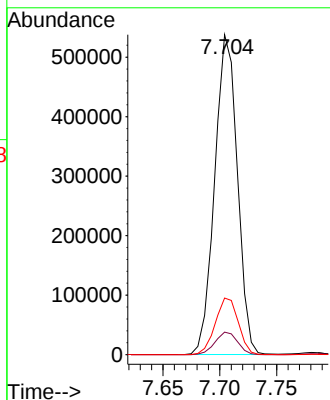
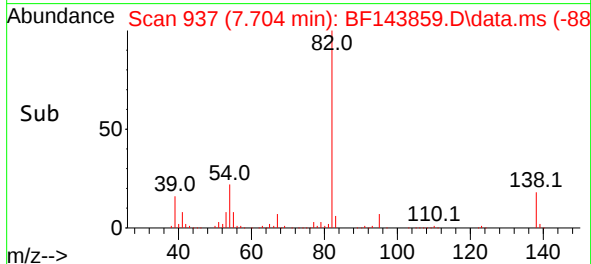
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMS



Tgt Ion: 82 Resp: 746772
Ion Ratio Lower Upper
82 100
95 7.0 5.4 8.2
138 17.7 13.7 20.5

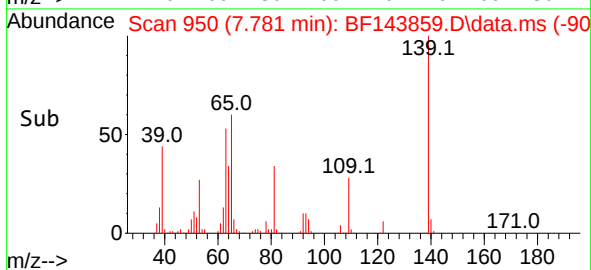
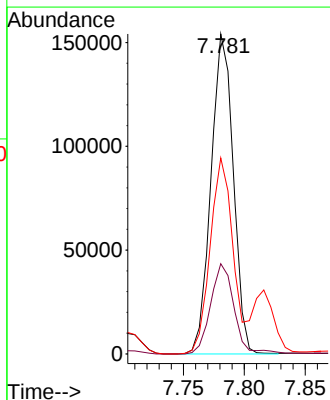
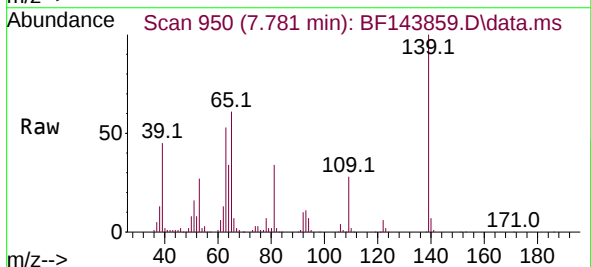
Manual Integrations
APPROVED

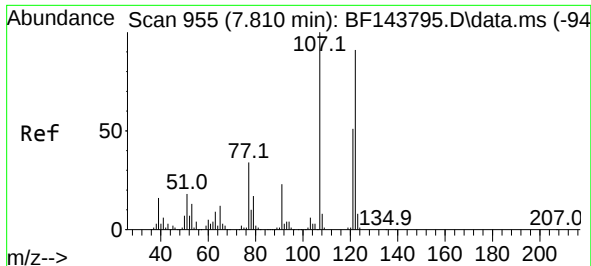
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#26
2-Nitrophenol
Concen: 54.639 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.005 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

Tgt Ion:139 Resp: 196538
Ion Ratio Lower Upper
139 100
109 28.2 23.3 34.9
65 61.2 53.8 80.6





#27

2,4-Dimethylphenol

Concen: 51.819 ng

RT: 7.816 min Scan# 955

Delta R.T. -0.000 min

Lab File: BF143859.D

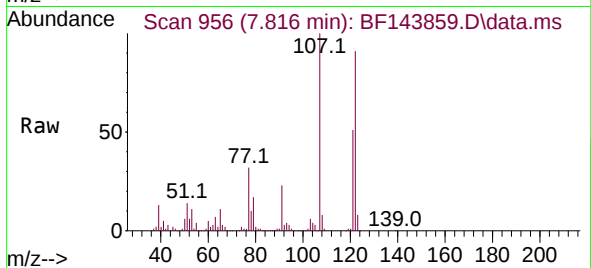
Acq: 02 Oct 2025 17:12

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1-WCMS



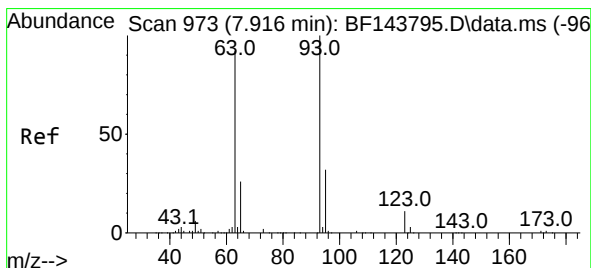
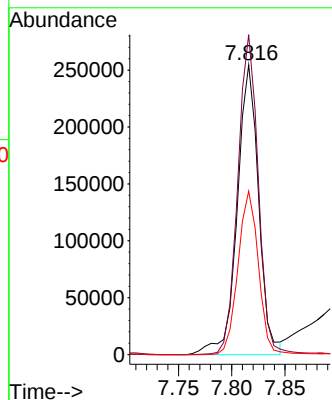
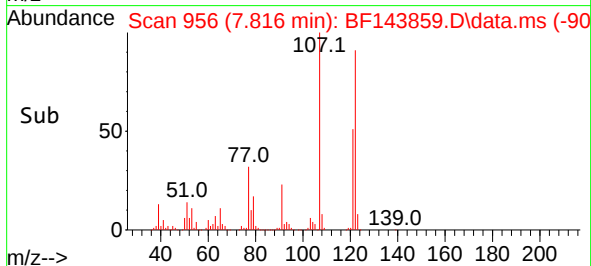
Tgt Ion:	122	Resp:	354185
Ion Ratio	Lower	Upper	
122	100		
107	110.5	87.5	131.3
121	56.4	44.2	66.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#28

bis(2-Chloroethoxy)methane

Concen: 46.292 ng

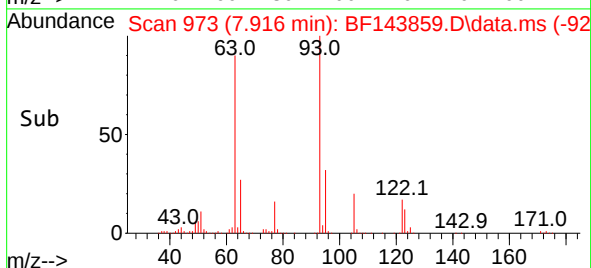
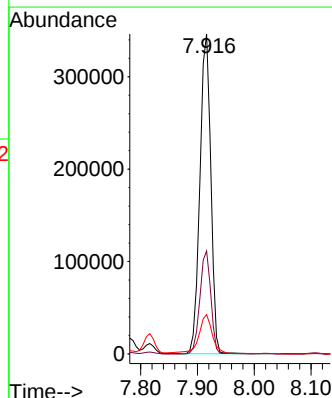
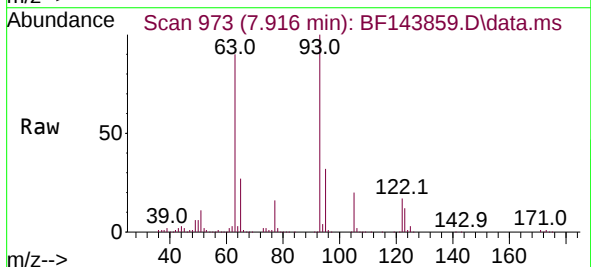
RT: 7.916 min Scan# 973

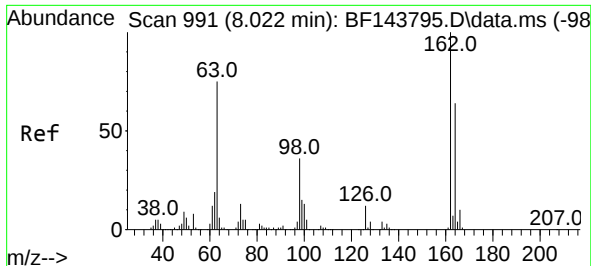
Delta R.T. 0.000 min

Lab File: BF143859.D

Acq: 02 Oct 2025 17:12

Tgt Ion:	93	Resp:	459917
Ion Ratio	Lower	Upper	
93	100		
95	32.2	25.8	38.8
123	12.3	8.8	13.2





#29

2,4-Dichlorophenol

Concen: 49.244 ng

RT: 8.022 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF143859.D

Acq: 02 Oct 2025 17:12

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1-WCMS

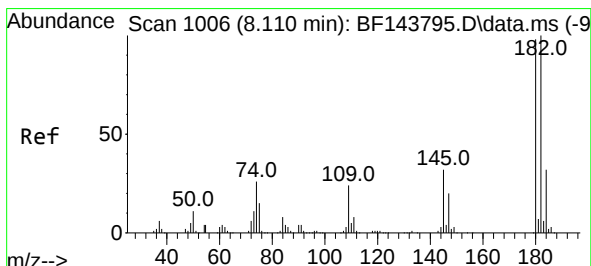
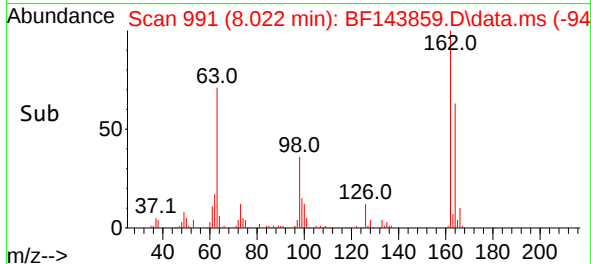
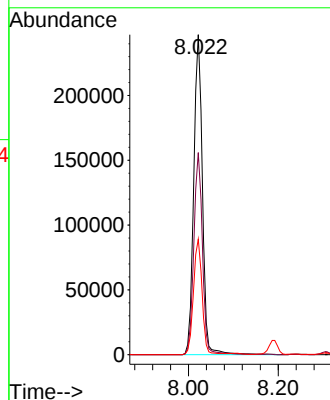
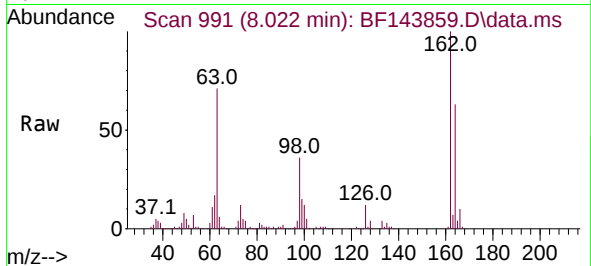
Tgt Ion:162 Resp: 331183
 Ion Ratio Lower Upper
 162 100
 164 63.1 44.1 84.1
 98 36.1 15.8 55.8

Manual Integrations

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Supervised By :Jagrut Upadhyay 10/03/2025



#30

1,2,4-Trichlorobenzene

Concen: 47.864 ng

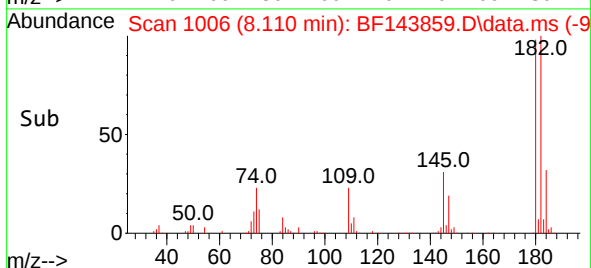
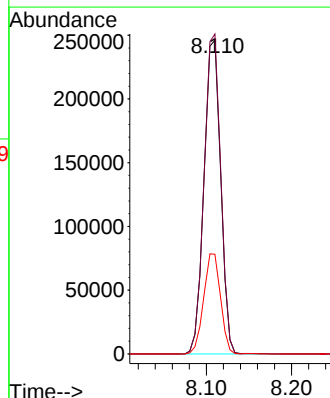
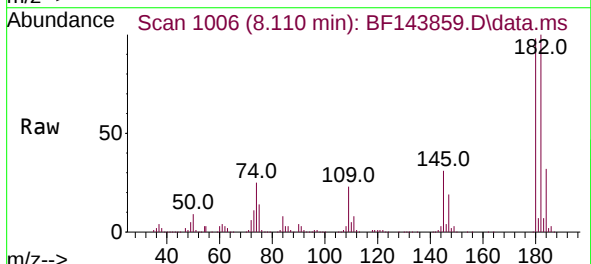
RT: 8.110 min Scan# 1006

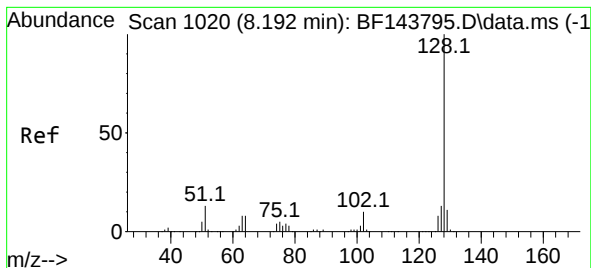
Delta R.T. 0.000 min

Lab File: BF143859.D

Acq: 02 Oct 2025 17:12

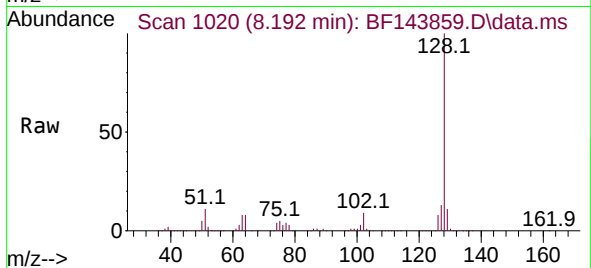
Tgt Ion:180 Resp: 334067
 Ion Ratio Lower Upper
 180 100
 182 102.0 82.0 123.0
 145 31.8 25.9 38.9





#31
Naphthalene
Concen: 44.945 ng
RT: 8.192 min Scan# 1020
Delta R.T. 0.000 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

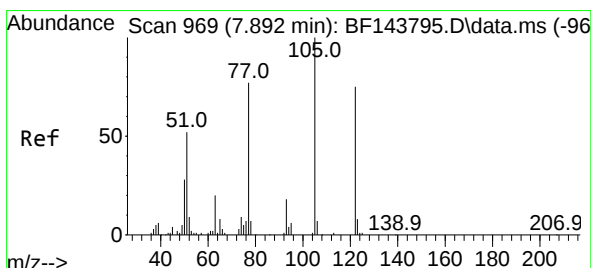
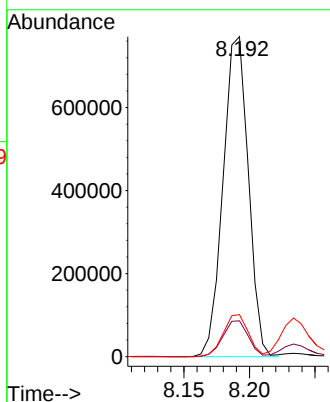
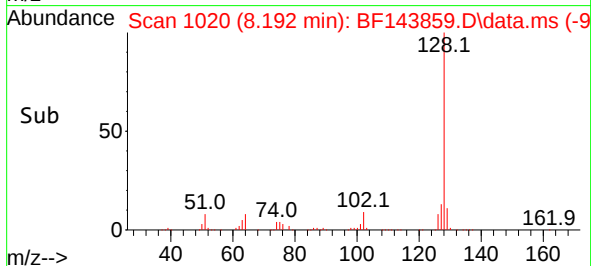
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMS



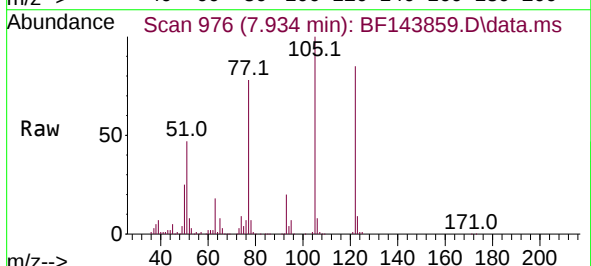
Tgt Ion:128 Resp: 103352
Ion Ratio Lower Upper
128 100
129 11.2 8.8 13.2
127 13.1 10.2 15.4

Manual Integrations
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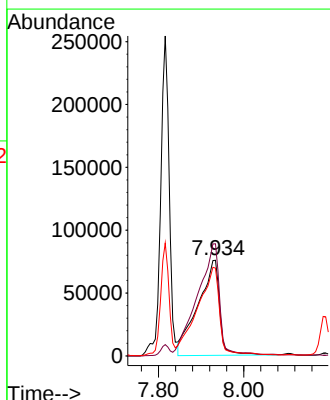
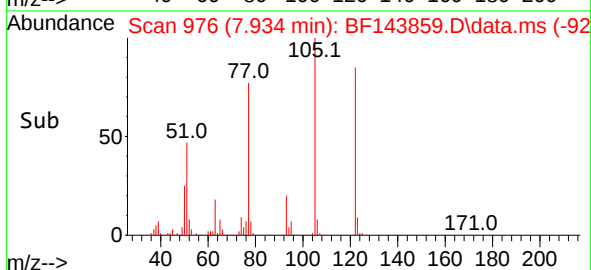
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

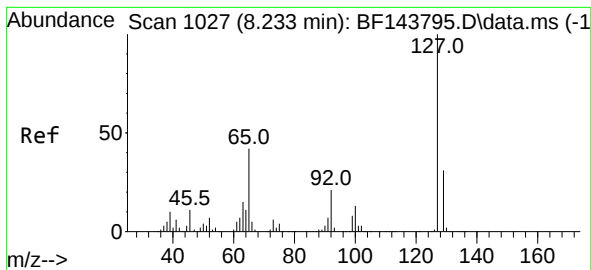


#32
Benzoic acid
Concen: 81.182 ng
RT: 7.934 min Scan# 976
Delta R.T. 0.012 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12



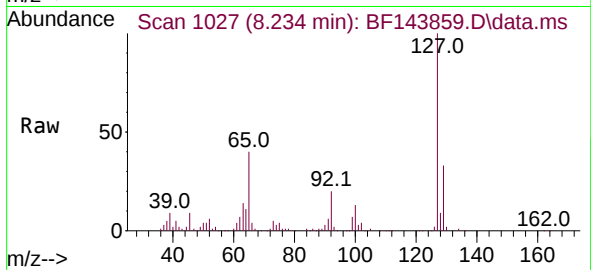
Tgt Ion:122 Resp: 267715
Ion Ratio Lower Upper
122 100
105 117.2 103.7 143.7
77 91.7 78.8 118.8





#33
4-Chloroaniline
Concen: 20.048 ng
RT: 8.234 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

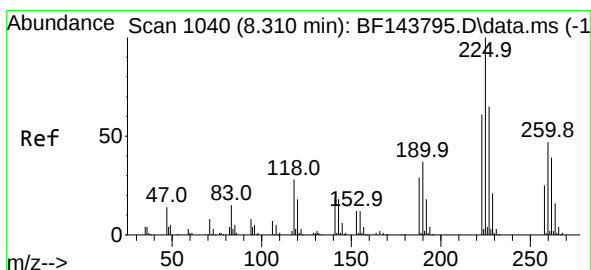
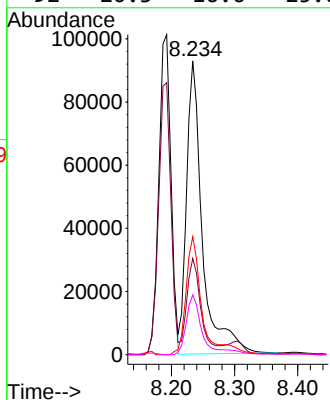
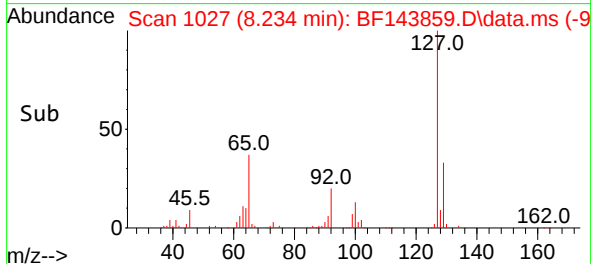
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMS



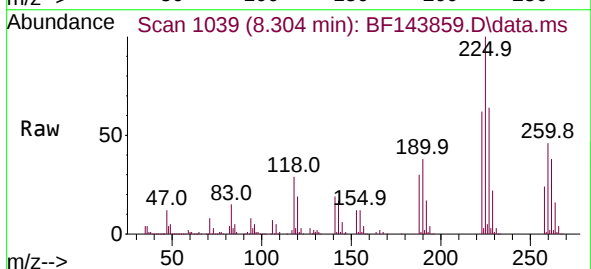
Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.7	25.4	38.2
65	40.1	33.4	50.2
92	20.3	16.6	25.0

Manual Integrations
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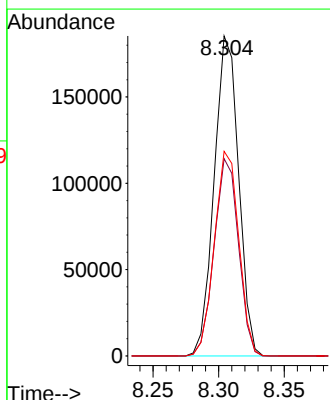
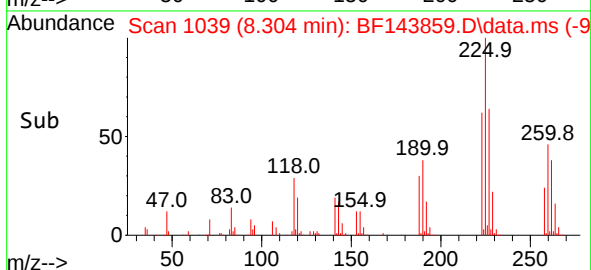
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

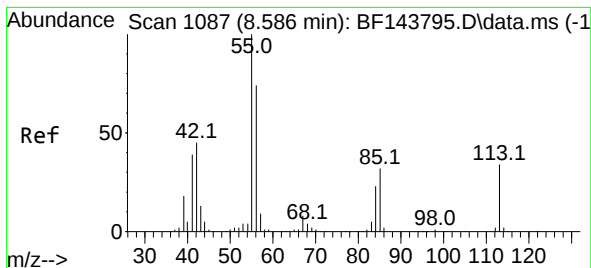


#34
Hexachlorobutadiene
Concen: 46.176 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12



Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	48.6	72.8
227	63.9	51.9	77.9





#35

Caprolactam

Concen: 55.787 ng m

RT: 8.604 min Scan# 1087

Delta R.T. -0.006 min

Lab File: BF143859.D

Acq: 02 Oct 2025 17:12

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1-WCMS

Tgt Ion:113 Resp: 95898

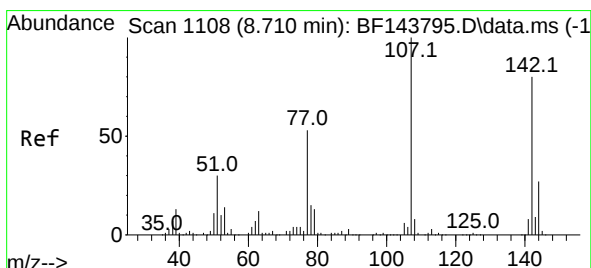
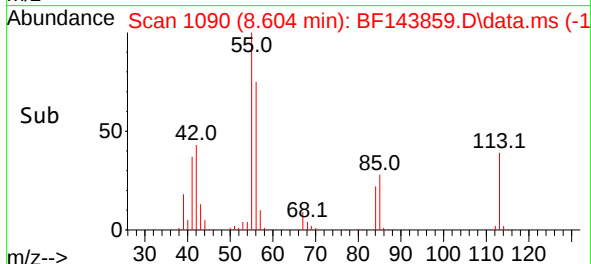
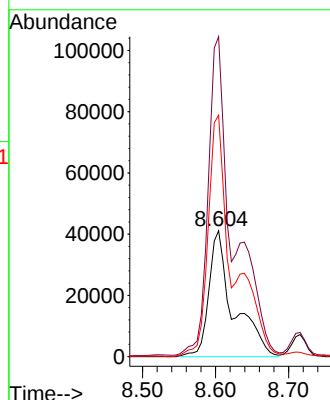
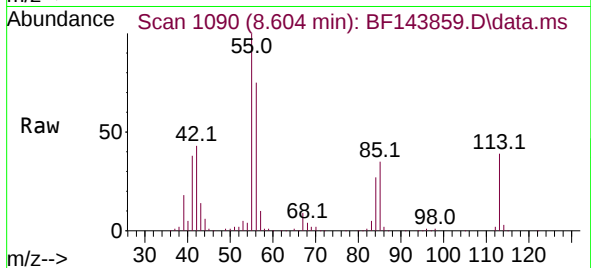
Ion	Ratio	Lower	Upper
113	100		
55	254.4	271.7	311.7
56	191.8	194.5	234.5

Manual Integrations

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Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#36

4-Chloro-3-methylphenol

Concen: 52.118 ng

RT: 8.716 min Scan# 1109

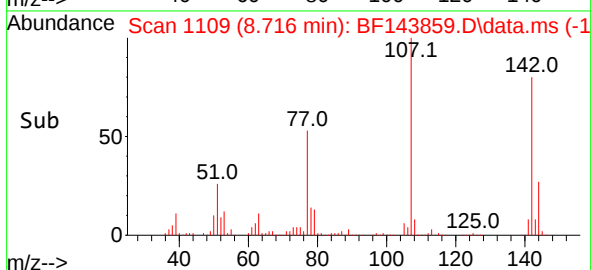
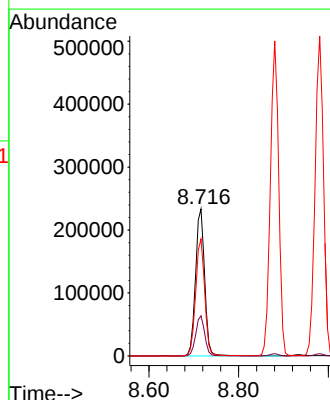
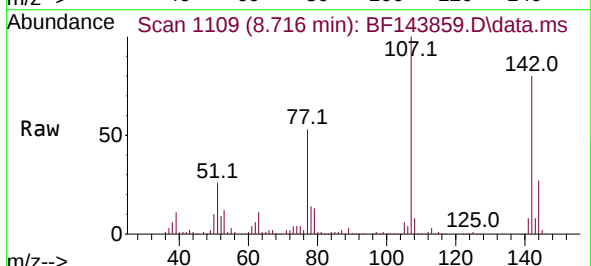
Delta R.T. 0.006 min

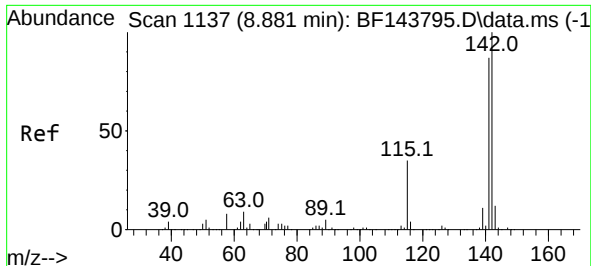
Lab File: BF143859.D

Acq: 02 Oct 2025 17:12

Tgt Ion:107 Resp: 328737

Ion	Ratio	Lower	Upper
107	100		
144	27.3	21.8	32.8
142	79.6	63.6	95.4





#37

2-Methylnaphthalene

Concen: 43.893 ng

RT: 8.881 min Scan# 1137

Delta R.T. 0.000 min

Lab File: BF143859.D

Acq: 02 Oct 2025 17:12

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1-WCMS

Tgt Ion:142 Resp: 643595

Ion Ratio Lower Upper

142 100

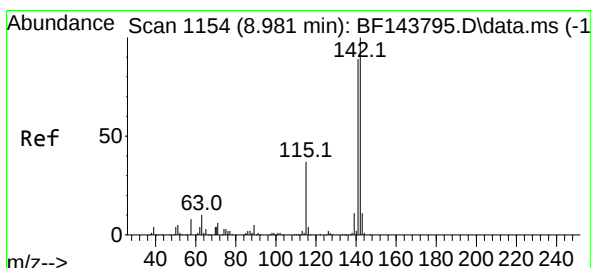
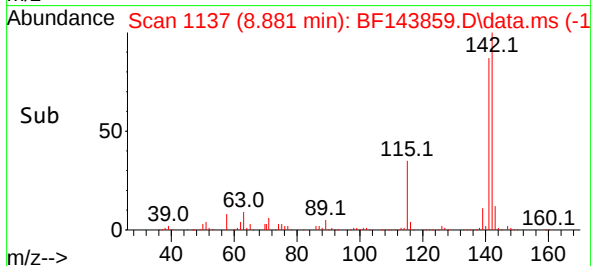
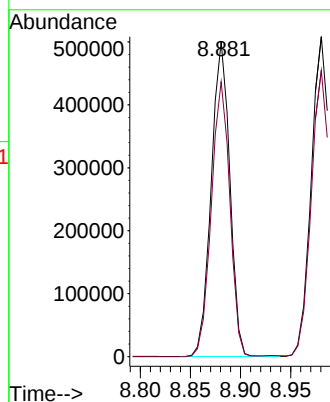
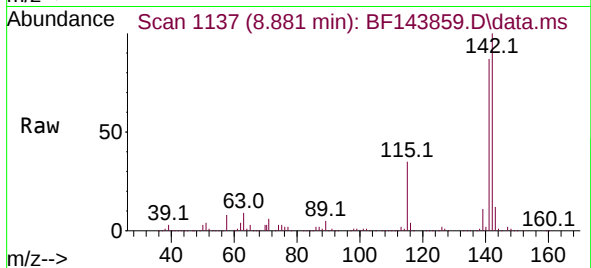
141 87.3 69.4 104.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#38

1-Methylnaphthalene

Concen: 47.123 ng

RT: 8.981 min Scan# 1154

Delta R.T. 0.000 min

Lab File: BF143859.D

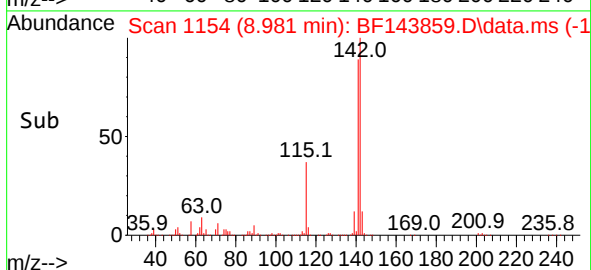
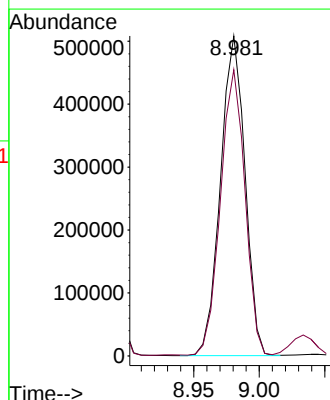
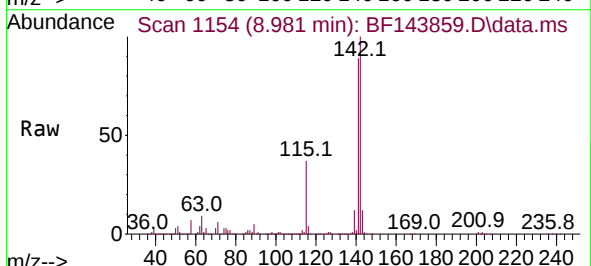
Acq: 02 Oct 2025 17:12

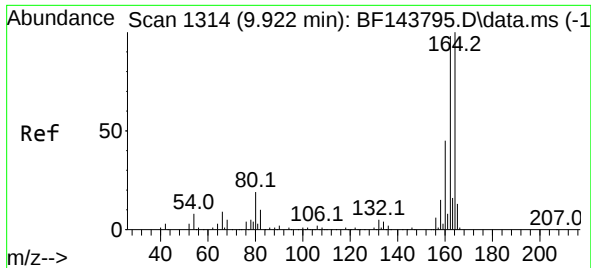
Tgt Ion:142 Resp: 661351

Ion Ratio Lower Upper

142 100

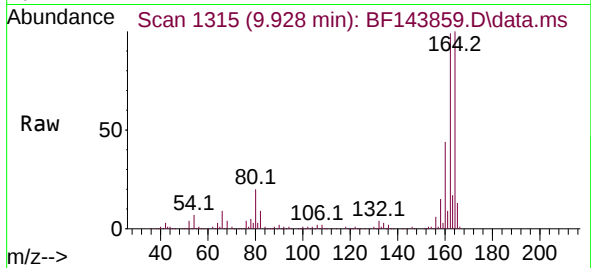
141 89.4 71.1 106.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1314
Delta R.T. -0.000 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

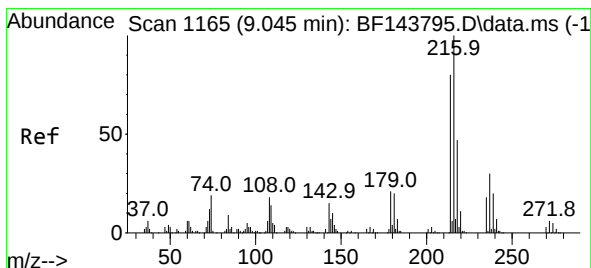
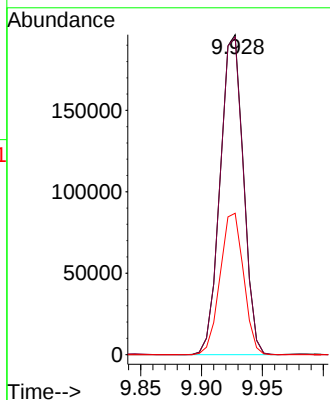
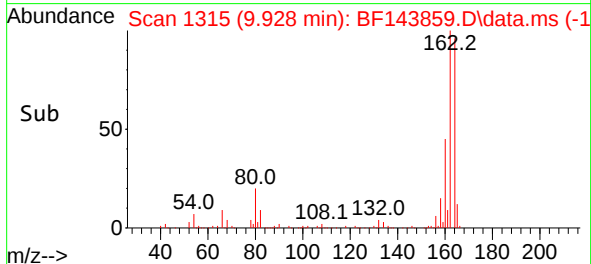
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMS



Tgt Ion:164 Resp: 260593
Ion Ratio Lower Upper
164 100
162 99.3 78.8 118.2
160 44.2 35.8 53.6

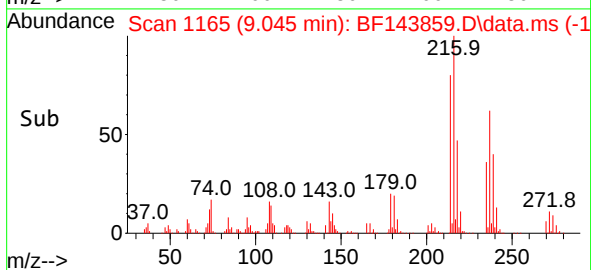
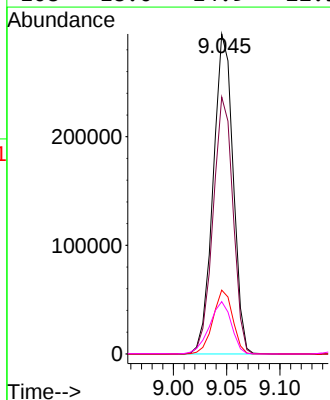
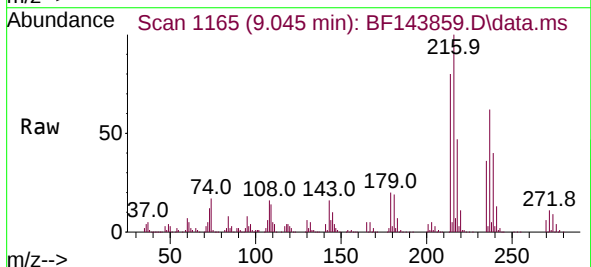
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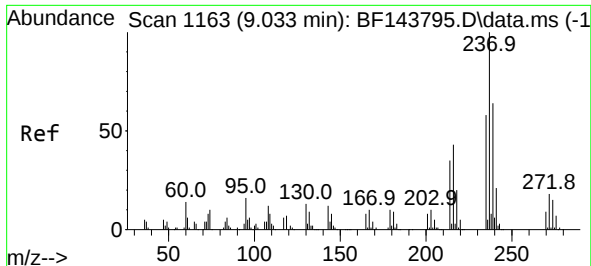
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.865 ng
RT: 9.045 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

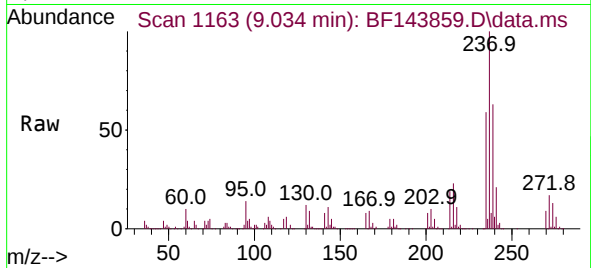
Tgt Ion:216 Resp: 384283
Ion Ratio Lower Upper
216 100
214 80.1 63.7 95.5
179 19.7 16.5 24.7
108 18.0 14.9 22.3





#41
Hexachlorocyclopentadiene
Concen: 103.549 ng
RT: 9.034 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

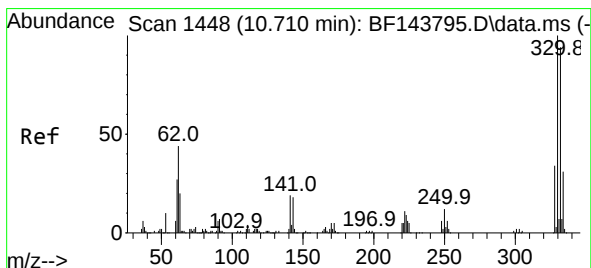
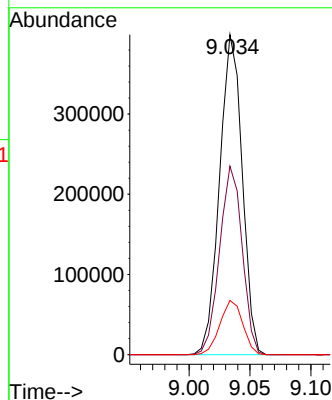
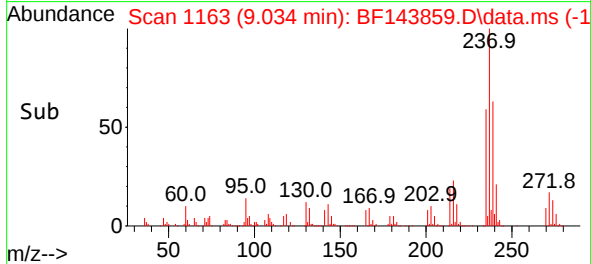
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMS



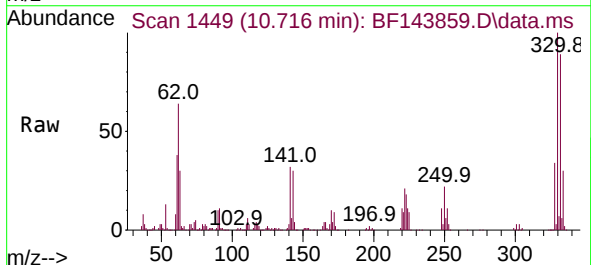
Tgt Ion:237 Resp: 516102
Ion Ratio Lower Upper
237 100
235 58.9 38.1 78.1
272 16.9 0.0 37.9

Manual Integrations
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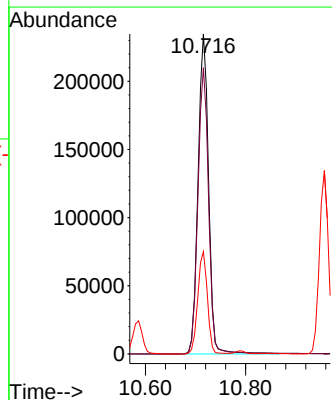
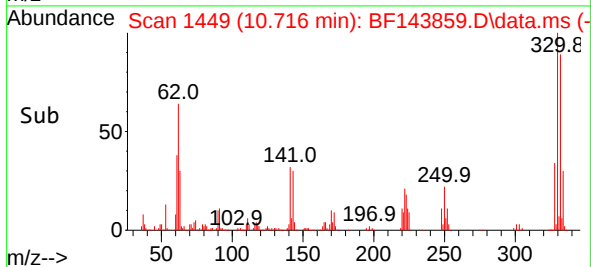
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

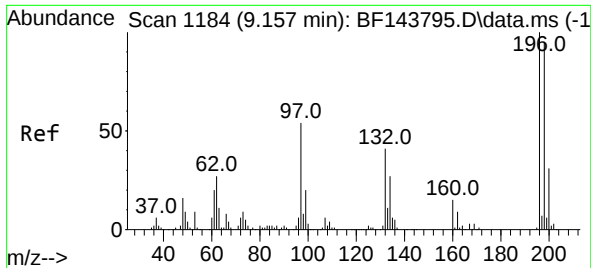


#42
2,4,6-Tribromophenol
Concen: 88.371 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12



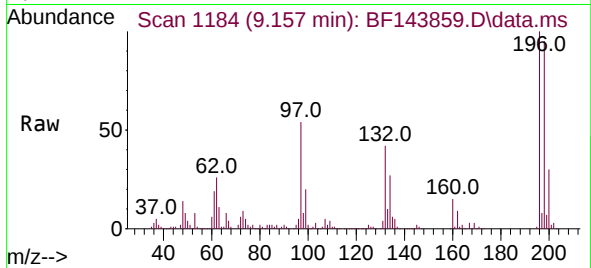
Tgt Ion:330 Resp: 340979
Ion Ratio Lower Upper
330 100
332 90.4 74.7 112.1
141 29.2 14.3 21.5





#43
2,4,6-Trichlorophenol
Concen: 50.396 ng
RT: 9.157 min Scan# 1184
Delta R.T. 0.000 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

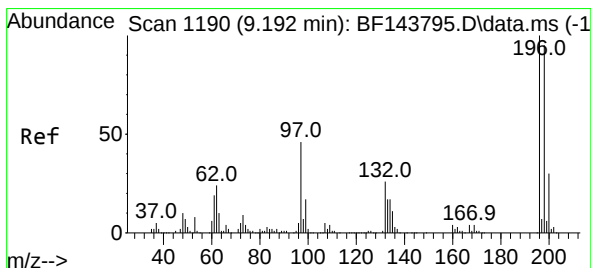
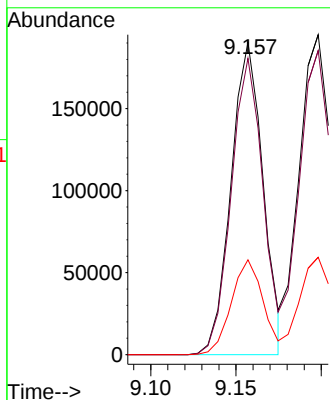
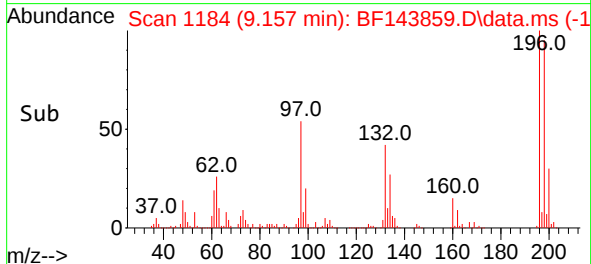
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMS



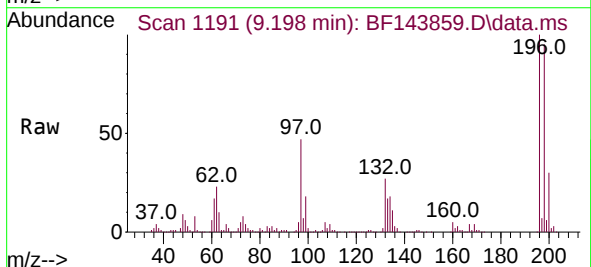
Tgt Ion:196 Resp: 248165
Ion Ratio Lower Upper
196 100
198 94.8 76.2 114.2
200 30.4 24.7 37.1

Manual Integrations
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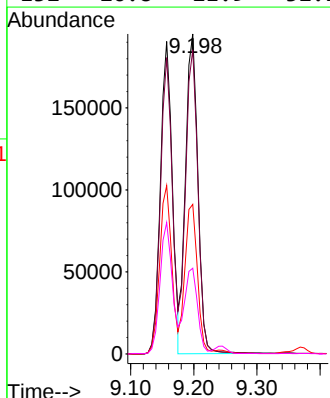
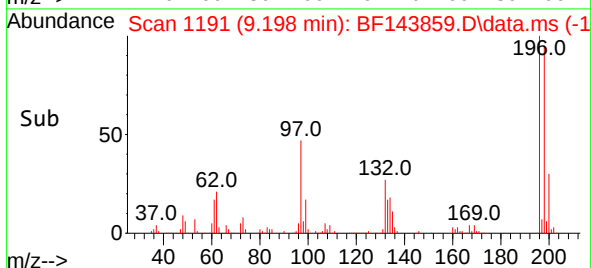
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

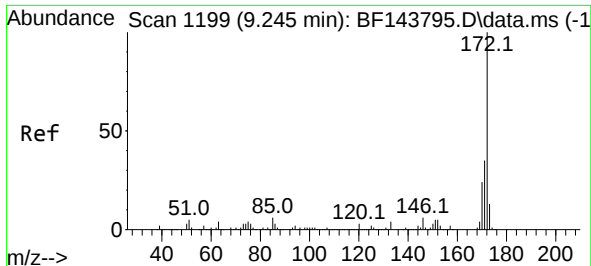


#44
2,4,5-Trichlorophenol
Concen: 51.631 ng
RT: 9.198 min Scan# 1191
Delta R.T. 0.006 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12



Tgt Ion:196 Resp: 265937
Ion Ratio Lower Upper
196 100
198 95.0 75.9 113.9
97 46.7 38.3 57.5
132 26.8 21.9 32.9





#45

2-Fluorobiphenyl

Concen: 86.200 ng

RT: 9.245 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF143859.D

Acq: 02 Oct 2025 17:12

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1-WCMS

Tgt Ion:172 Resp: 1439484

Ion Ratio Lower Upper

172 100

171 34.8 27.9 41.9

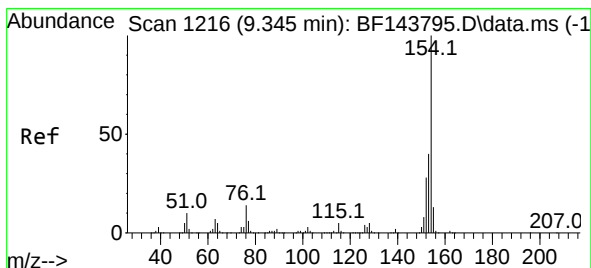
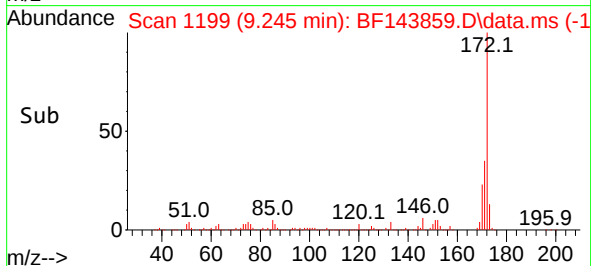
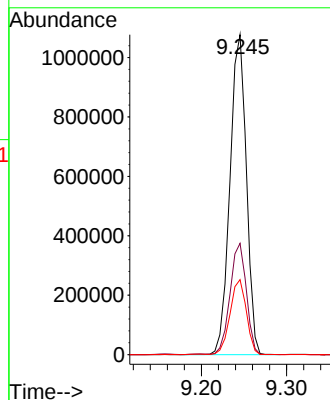
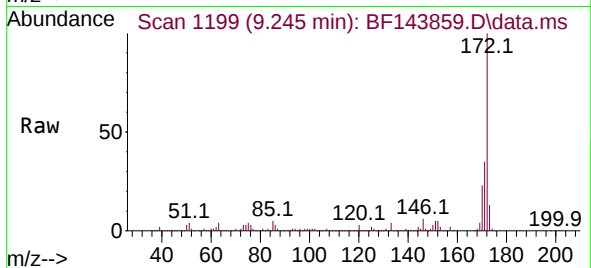
170 23.4 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#46

1,1'-Biphenyl

Concen: 49.366 ng

RT: 9.345 min Scan# 1216

Delta R.T. 0.000 min

Lab File: BF143859.D

Acq: 02 Oct 2025 17:12

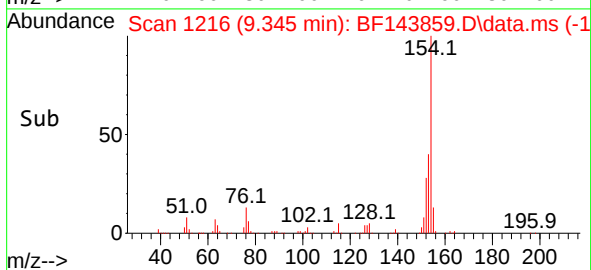
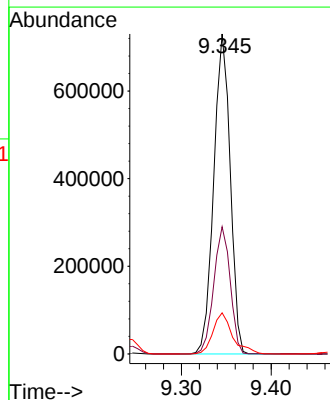
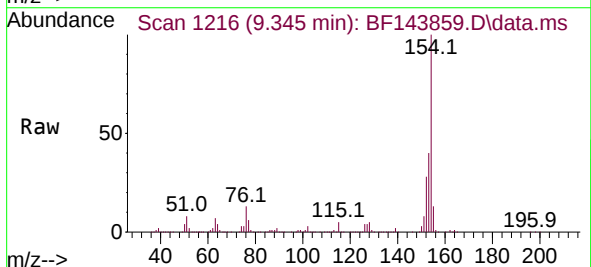
Tgt Ion:154 Resp: 931224

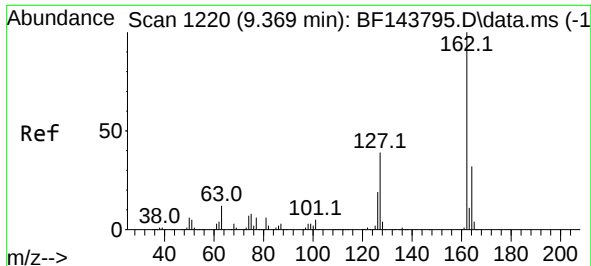
Ion Ratio Lower Upper

154 100

153 39.7 19.7 59.7

76 12.8 0.0 33.8





#47

2-Chloronaphthalene

Concen: 44.695 ng

RT: 9.369 min Scan# 1220

Delta R.T. -0.006 min

Lab File: BF143859.D

Acq: 02 Oct 2025 17:12

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1-WCMS

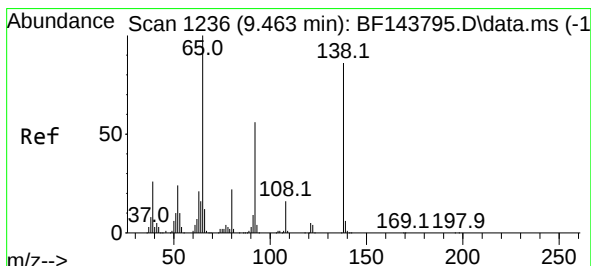
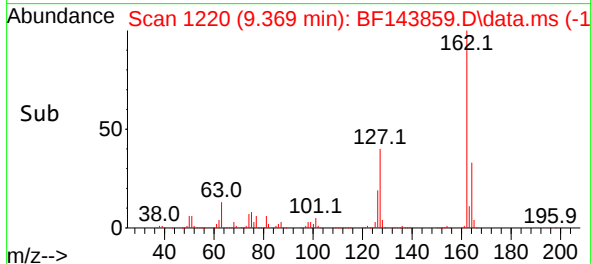
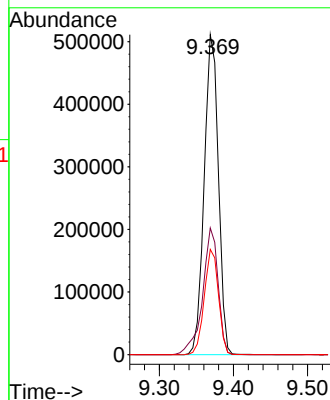
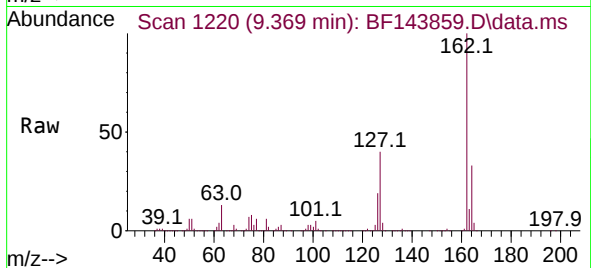
Tgt Ion:162 Resp: 678660
 Ion Ratio Lower Upper
 162 100
 127 39.6 31.5 47.3
 164 32.9 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#48

2-Nitroaniline

Concen: 59.124 ng

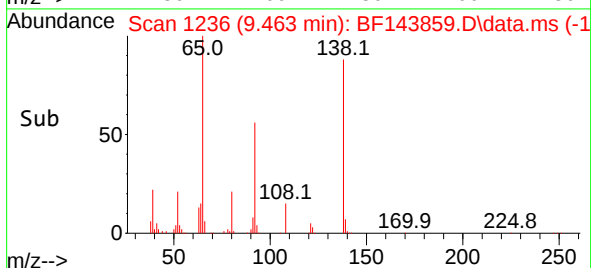
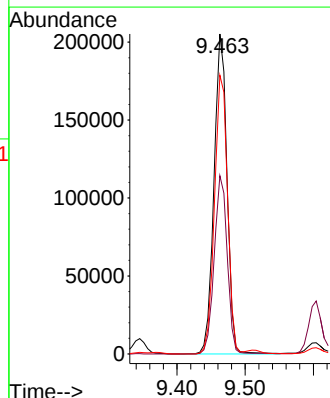
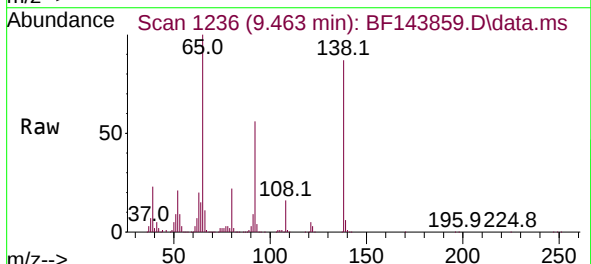
RT: 9.463 min Scan# 1236

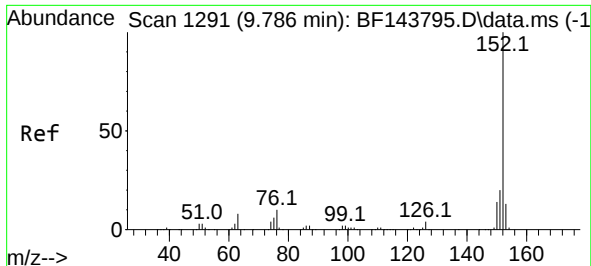
Delta R.T. 0.000 min

Lab File: BF143859.D

Acq: 02 Oct 2025 17:12

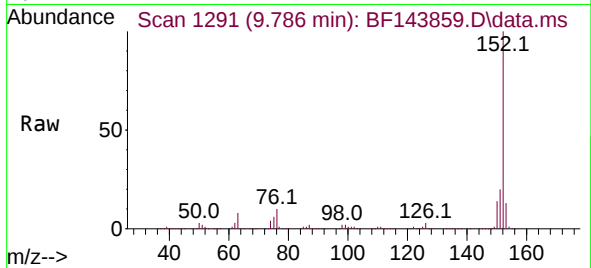
Tgt Ion: 65 Resp: 271335
 Ion Ratio Lower Upper
 65 100
 92 55.7 44.9 67.3
 138 87.1 69.0 103.4





#49
Acenaphthylene
Concen: 53.087 ng
RT: 9.786 min Scan# 1291
Delta R.T. 0.000 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

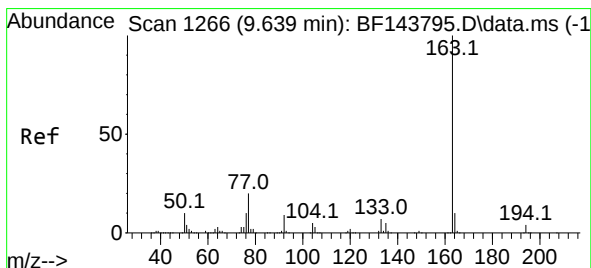
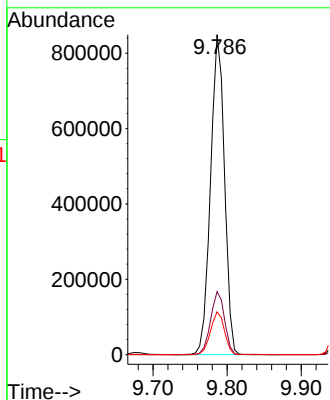
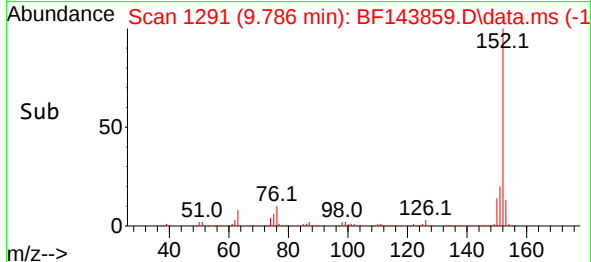
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMS



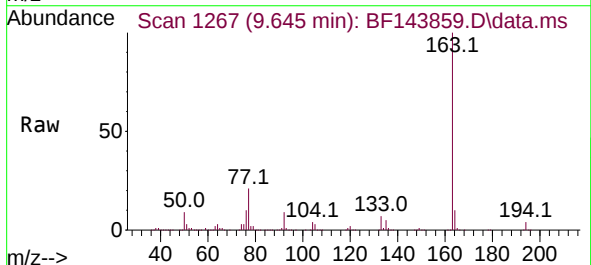
Tgt Ion:152 Resp: 1109695
Ion Ratio Lower Upper
152 100
151 19.7 15.7 23.5
153 13.4 10.6 15.8

Manual Integrations
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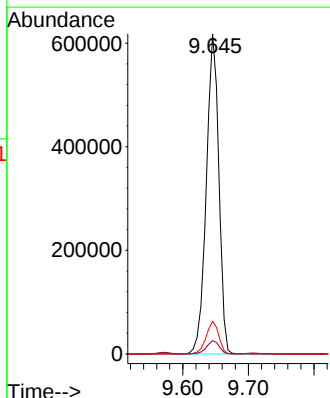
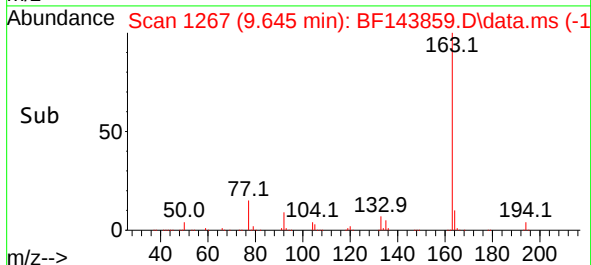
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

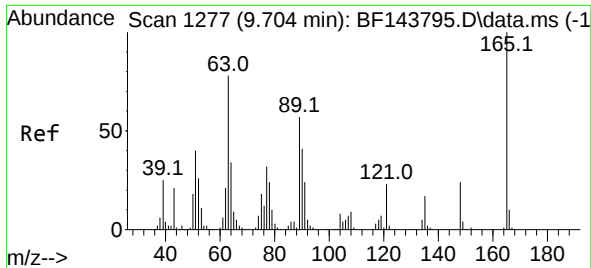


#50
Dimethylphthalate
Concen: 51.435 ng
RT: 9.645 min Scan# 1267
Delta R.T. 0.006 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12



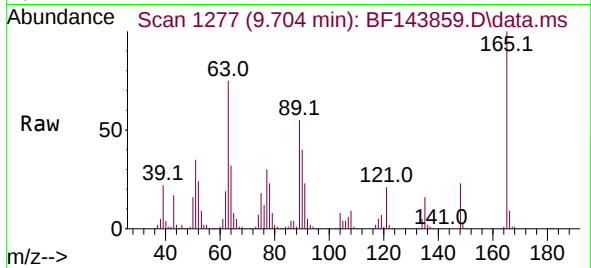
Tgt Ion:163 Resp: 816952
Ion Ratio Lower Upper
163 100
194 4.1 3.0 4.6
164 10.2 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 66.407 ng
RT: 9.704 min Scan# 1277
Delta R.T. 0.000 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

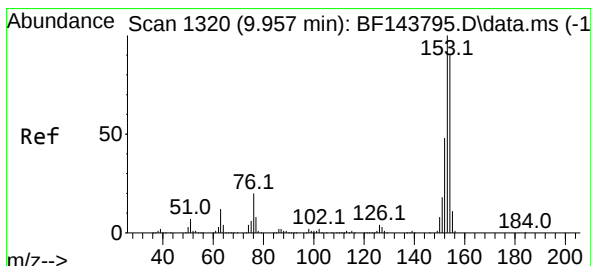
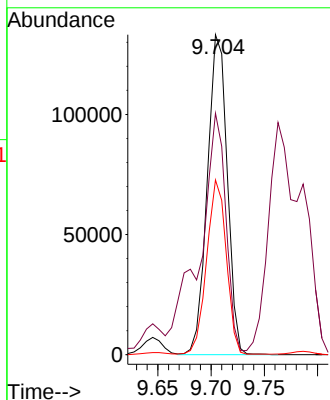
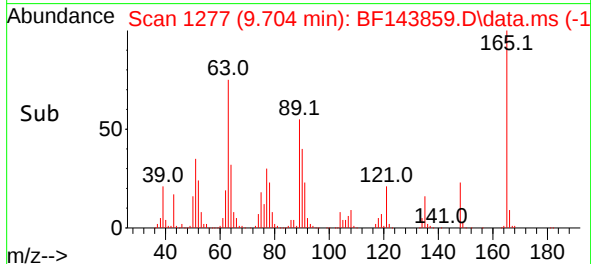
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMS



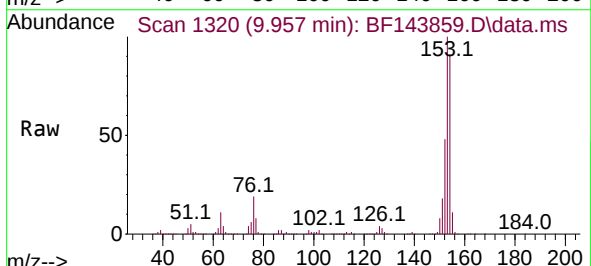
Tgt Ion:165 Resp: 173296
Ion Ratio Lower Upper
165 100
63 75.4 62.6 94.0
89 54.6 45.2 67.8

Manual Integrations
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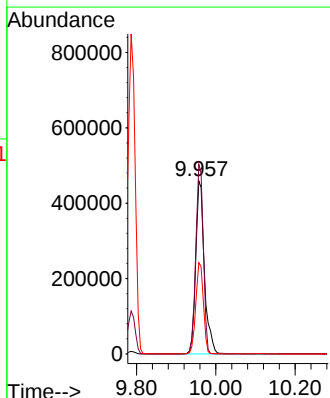
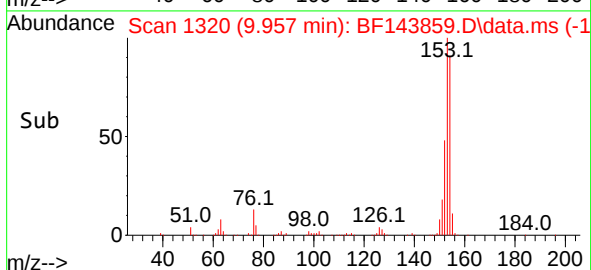
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

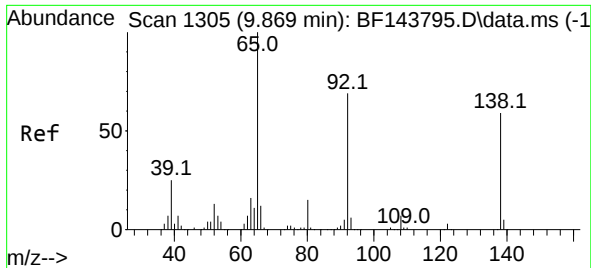


#52
Acenaphthene
Concen: 50.960 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12



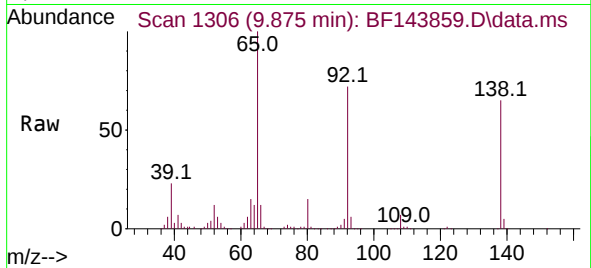
Tgt Ion:154 Resp: 700996
Ion Ratio Lower Upper
154 100
153 109.6 88.7 133.1
152 52.8 42.7 64.1





#53
3-Nitroaniline
Concen: 38.941 ng
RT: 9.875 min Scan# 1305
Delta R.T. 0.000 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

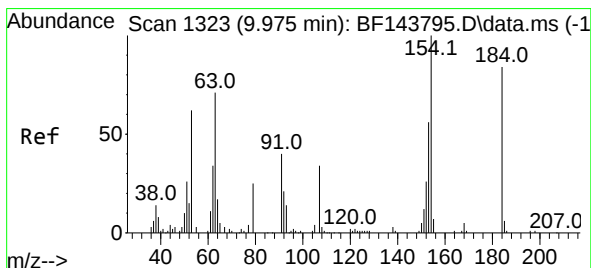
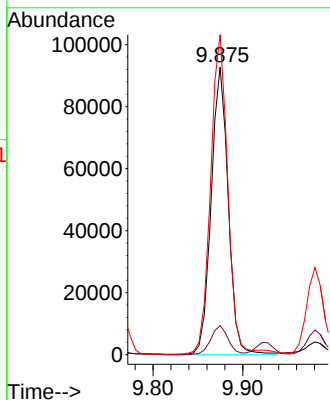
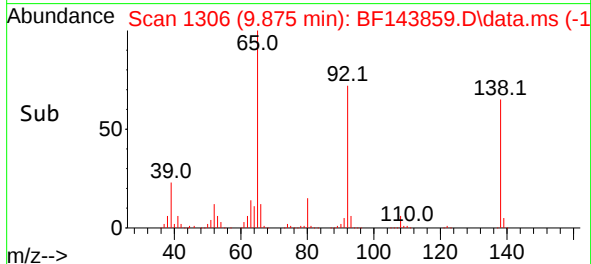
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMS



Tgt Ion:138 Resp: 123178
Ion Ratio Lower Upper
138 100
108 10.1 9.9 14.9
92 111.3 93.5 140.3

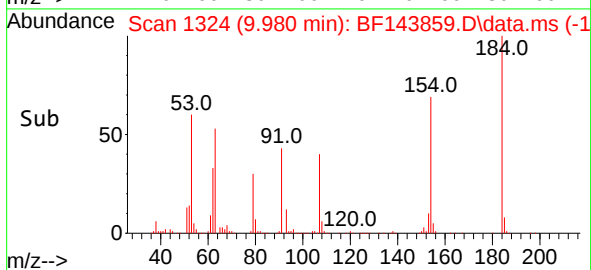
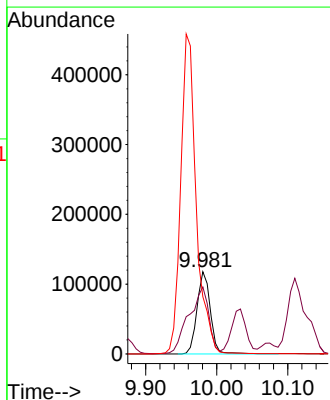
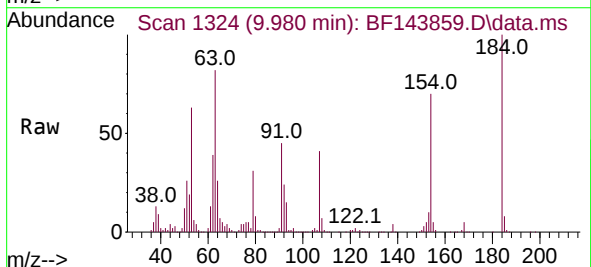
Manual Integrations
APPROVED

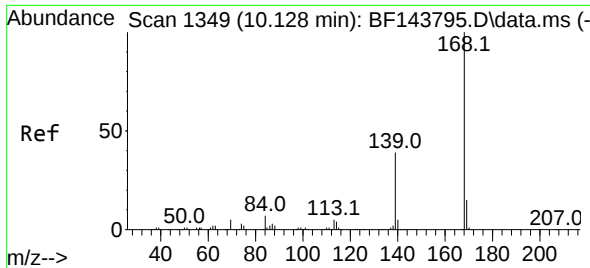
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#54
2,4-Dinitrophenol
Concen: 110.454 ng
RT: 9.980 min Scan# 1324
Delta R.T. 0.005 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

Tgt Ion:184 Resp: 152632
Ion Ratio Lower Upper
184 100
63 81.5 84.6 127.0#
154 69.7 199.3 298.9#





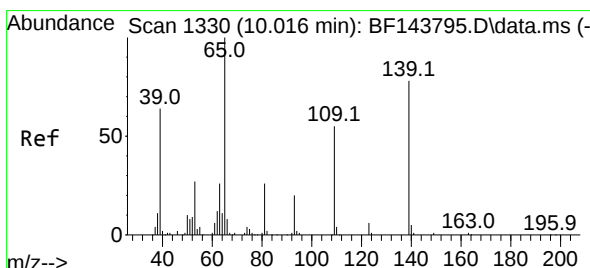
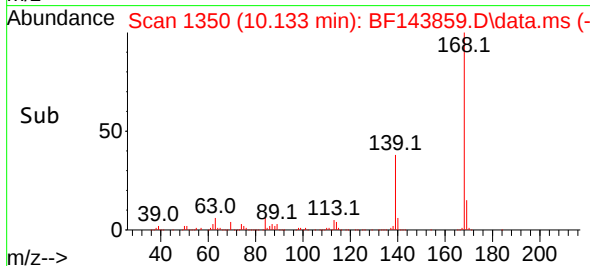
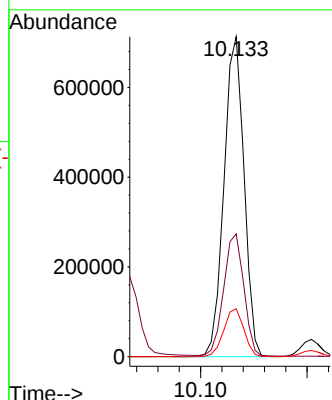
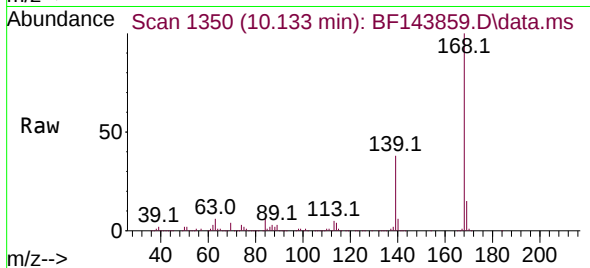
#55
Dibenzenofuran
Concen: 47.838 ng
RT: 10.133 min Scan# 1349
Delta R.T. 0.000 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMS

Tgt Ion:168 Resp: 930532
Ion Ratio Lower Upper
168 100
139 38.4 31.0 46.6
169 15.0 11.9 17.9

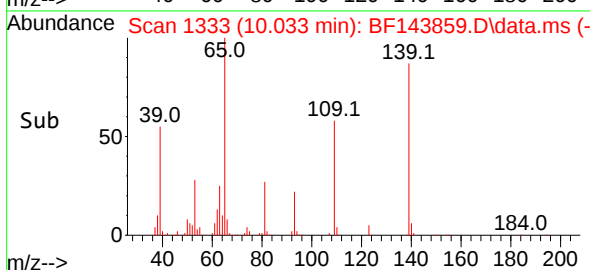
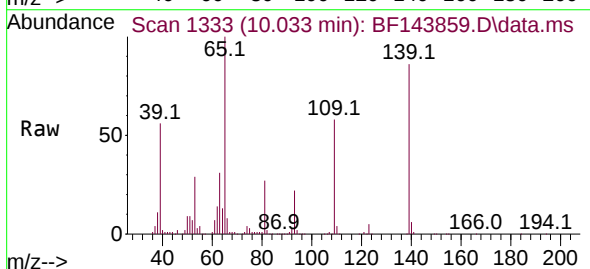
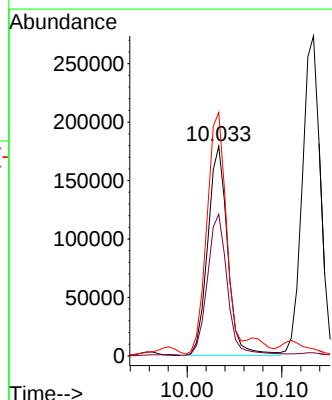
Manual Integrations
APPROVED

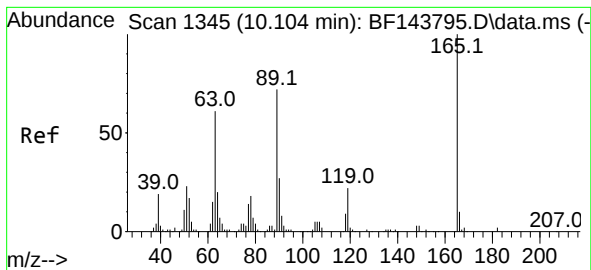
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#56
4-Nitrophenol
Concen: 102.360 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.012 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

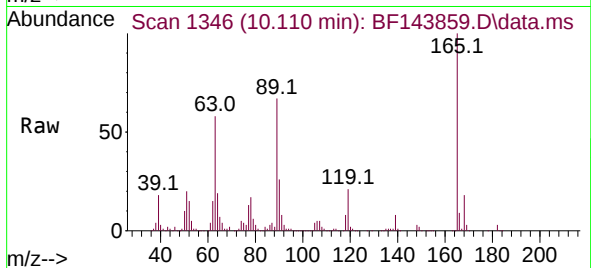
Tgt Ion:139 Resp: 260913
Ion Ratio Lower Upper
139 100
109 67.5 50.2 90.2
65 116.2 109.2 149.2





#57
2,4-Dinitrotoluene
Concen: 60.599 ng
RT: 10.110 min Scan# 1345
Delta R.T. -0.000 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

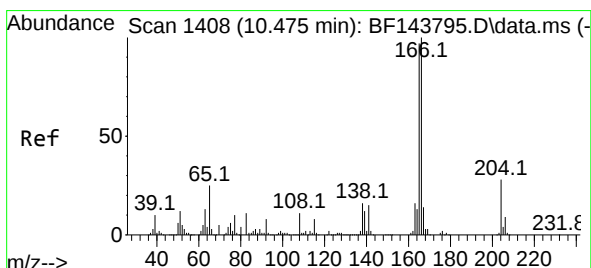
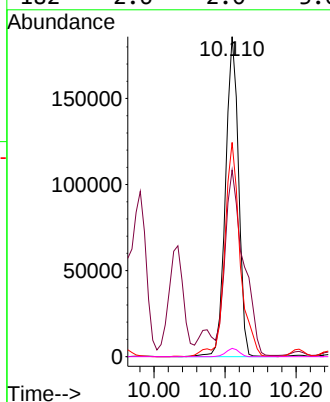
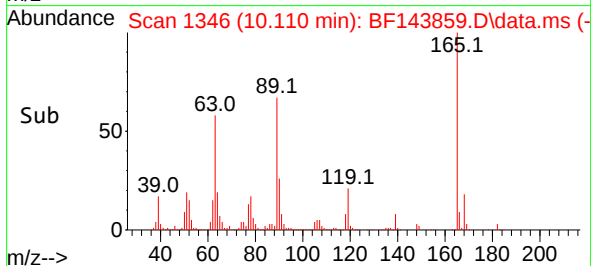
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMS



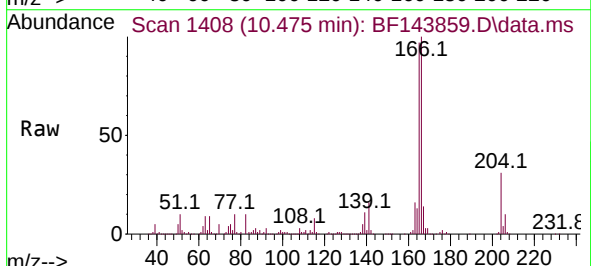
Tgt Ion:165 Resp: 237886
Ion Ratio Lower Upper
165 100
63 58.3 48.9 73.3
89 66.9 57.5 86.3
182 2.6 2.0 3.0

Manual Integrations
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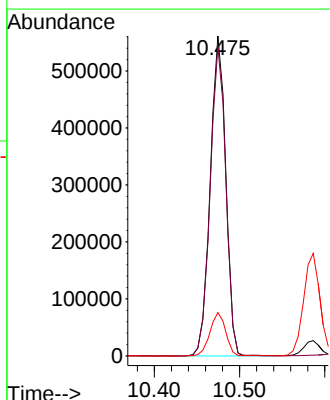
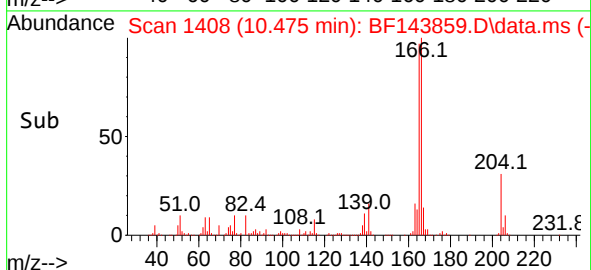
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

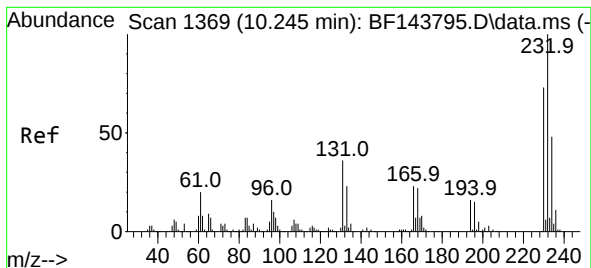


#58
Fluorene
Concen: 49.250 ng
RT: 10.475 min Scan# 1408
Delta R.T. 0.000 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12



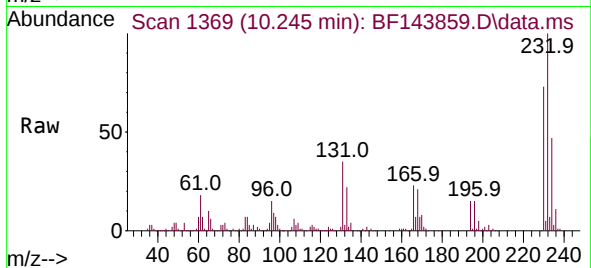
Tgt Ion:166 Resp: 712192
Ion Ratio Lower Upper
166 100
165 96.5 78.0 117.0
167 13.5 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 61.615 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

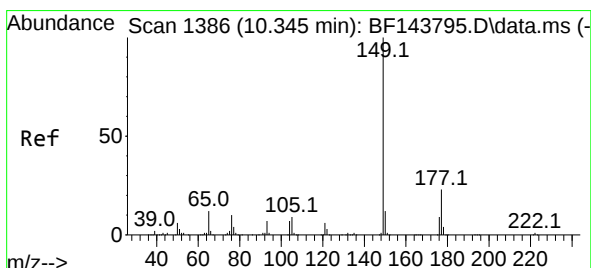
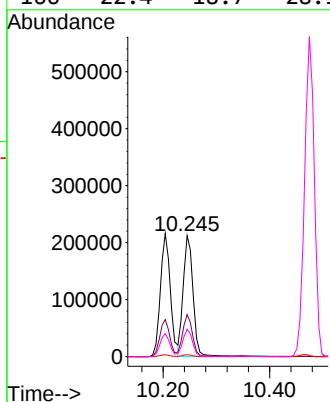
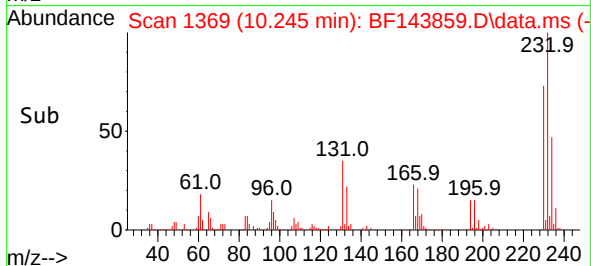
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMS



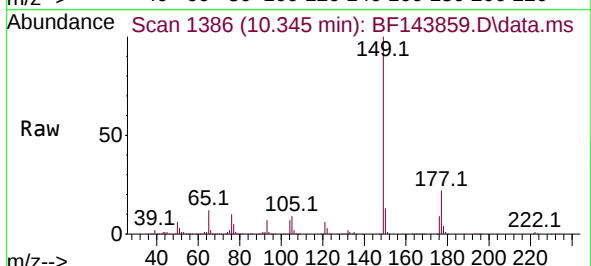
Tgt Ion:232 Resp: 271876
Ion Ratio Lower Upper
232 100
131 35.0 29.4 44.2
130 1.6 1.3 1.9
166 22.4 18.7 28.1

Manual Integrations
APPROVED

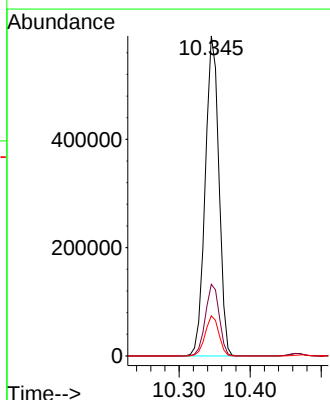
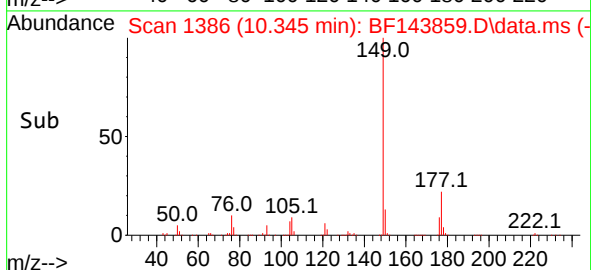
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

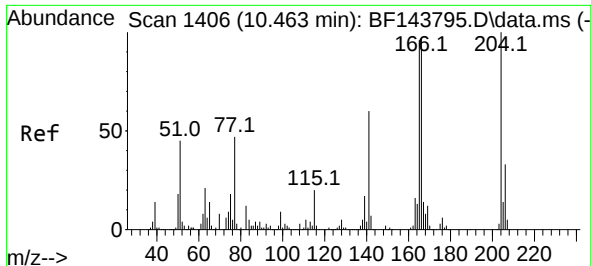


#60
Diethylphthalate
Concen: 52.946 ng
RT: 10.345 min Scan# 1386
Delta R.T. 0.000 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12



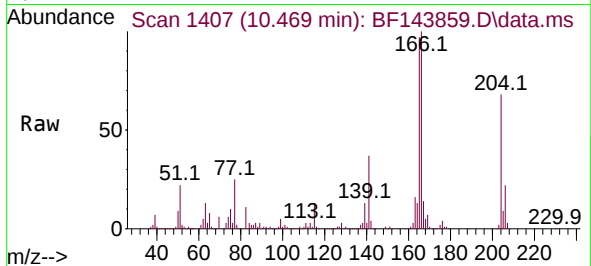
Tgt Ion:149 Resp: 787212
Ion Ratio Lower Upper
149 100
177 22.4 18.1 27.1
150 12.5 9.7 14.5





#61
4-Chlorophenyl-phenylether
Concen: 50.453 ng
RT: 10.469 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

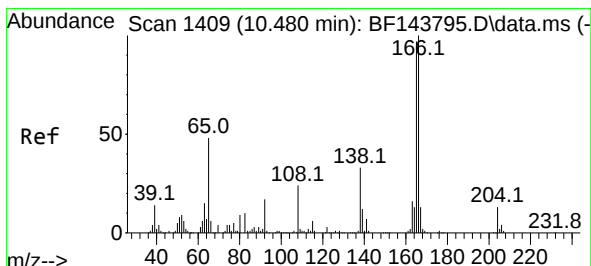
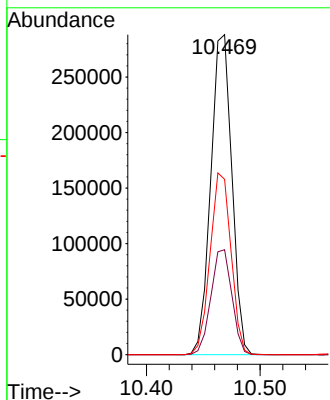
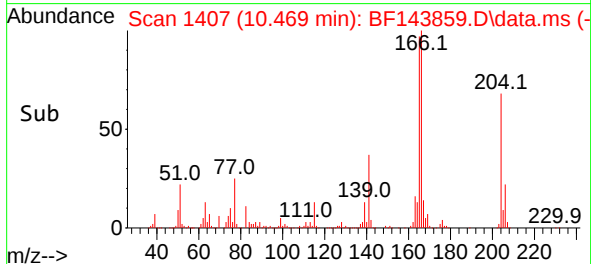
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMS



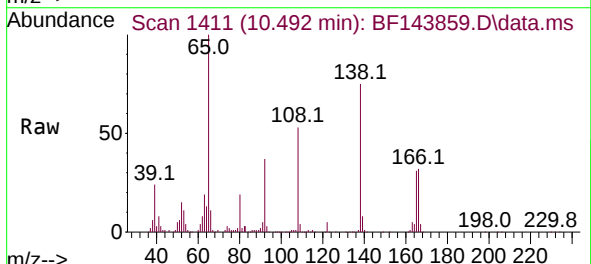
Tgt Ion:204 Resp: 371754
Ion Ratio Lower Upper
204 100
206 32.8 26.7 40.1
141 54.8 48.2 72.2

Manual Integrations
APPROVED

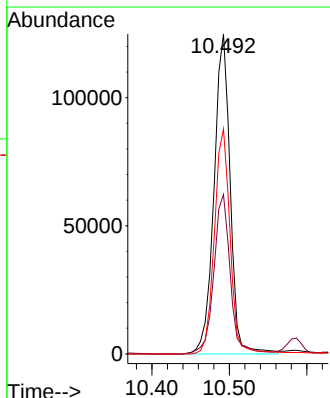
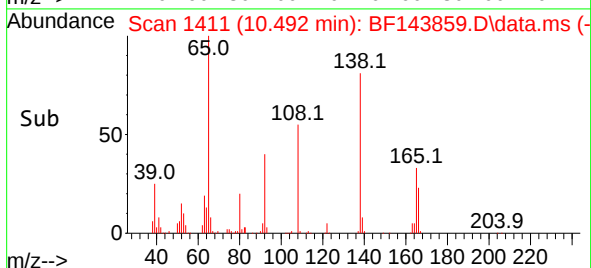
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

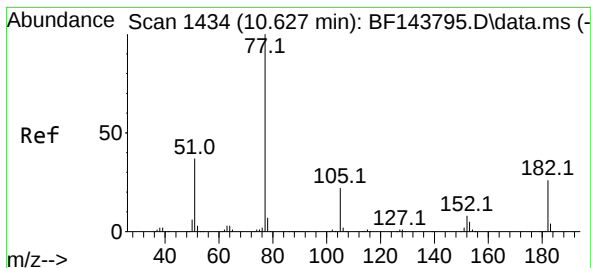


#62
4-Nitroaniline
Concen: 60.851 ng
RT: 10.492 min Scan# 1411
Delta R.T. 0.000 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12



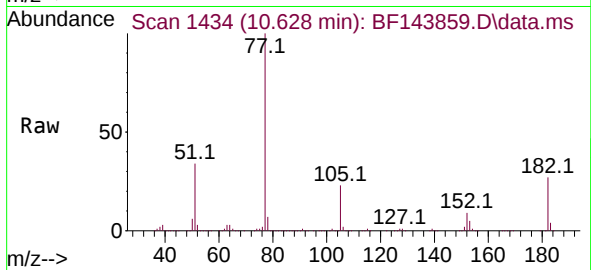
Tgt Ion:138 Resp: 180984
Ion Ratio Lower Upper
138 100
92 49.8 31.5 71.5
108 70.3 51.9 91.9





#63
Azobenzene
Concen: 49.384 ng
RT: 10.628 min Scan# 1434
Delta R.T. 0.000 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

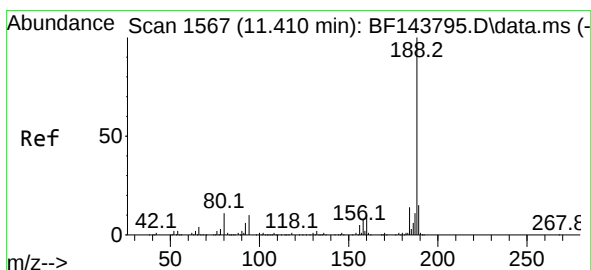
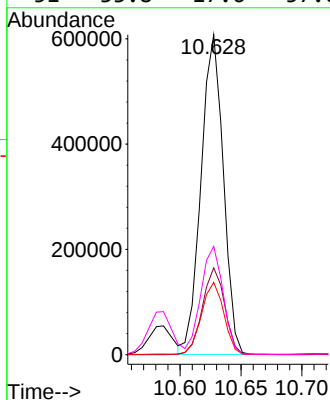
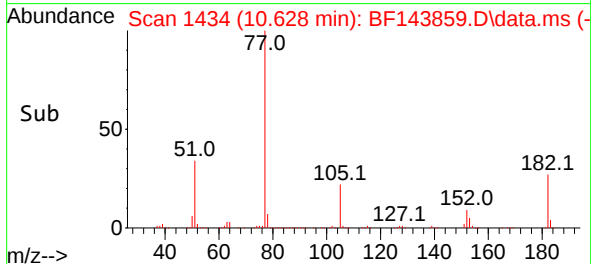
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMS



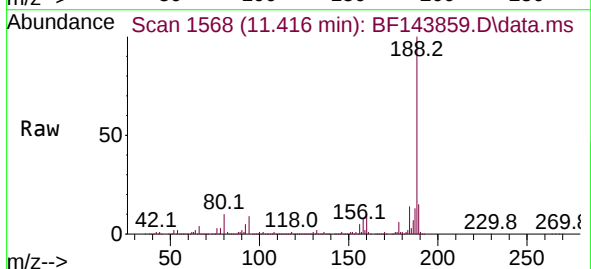
Tgt Ion: 77 Resp: 773820
Ion Ratio Lower Upper
77 100
182 27.1 5.9 45.9
105 22.6 2.3 42.3
51 33.8 17.6 57.6

Manual Integrations
APPROVED

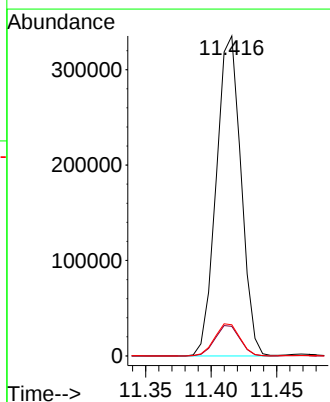
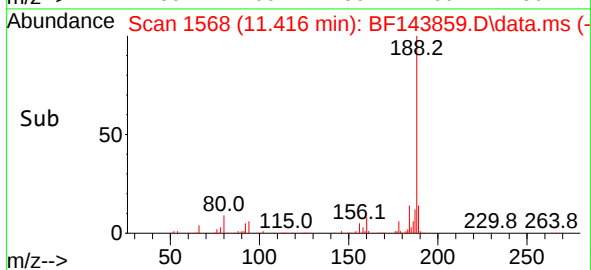
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

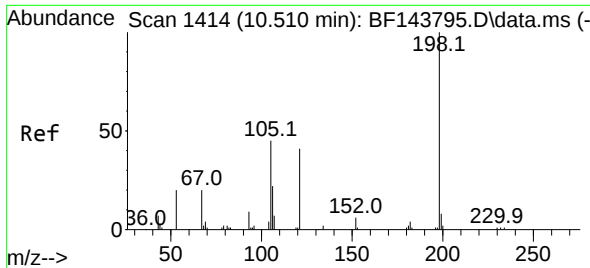


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.000 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12



Tgt Ion:188 Resp: 441445
Ion Ratio Lower Upper
188 100
94 9.2 8.2 12.2
80 9.7 8.6 12.8





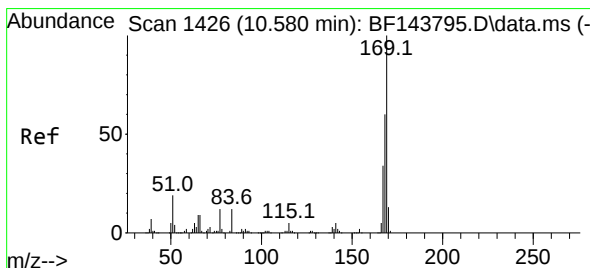
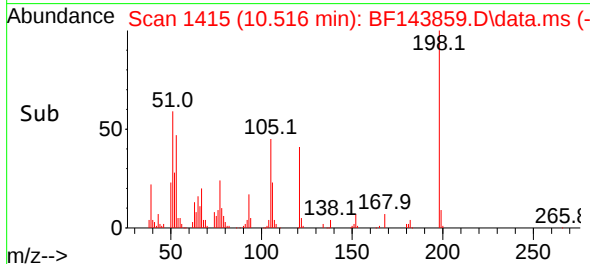
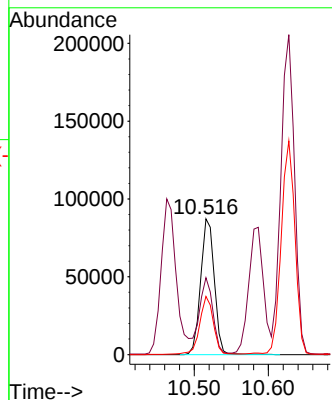
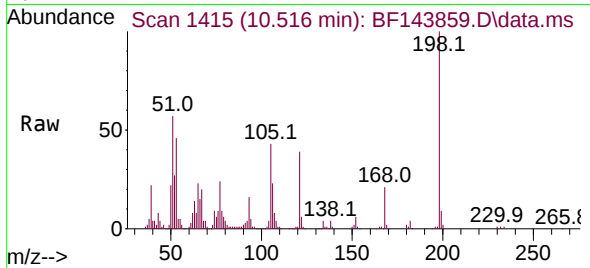
#65
4,6-Dinitro-2-methylphenol
Concen: 63.372 ng
RT: 10.516 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMS

Tgt Ion:198 Resp: 111824
Ion Ratio Lower Upper
198 100
51 56.6 52.0 92.0
105 42.8 27.5 67.5

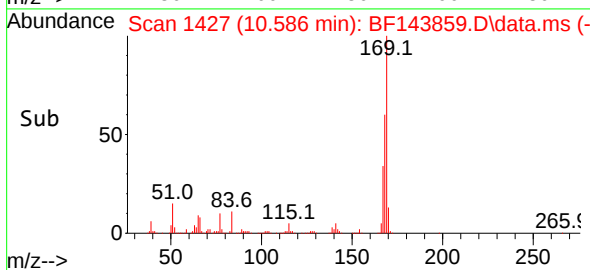
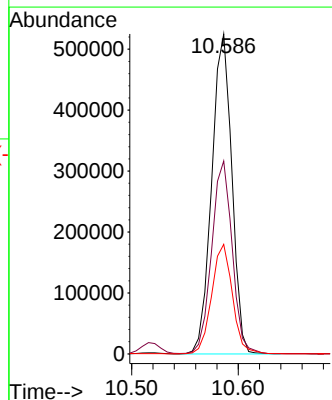
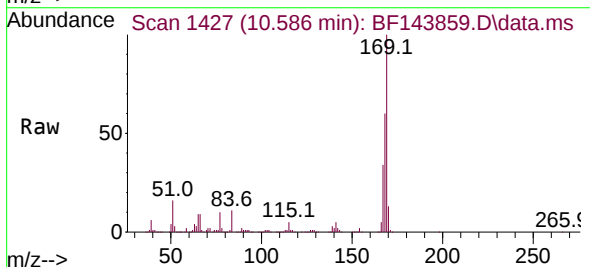
Manual Integrations
APPROVED

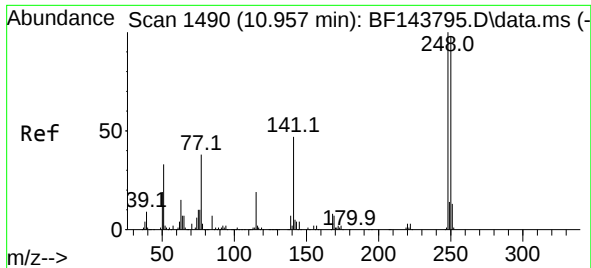
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#66
n-Nitrosodiphenylamine
Concen: 47.455 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

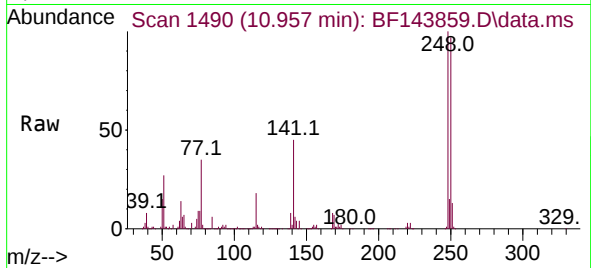
Tgt Ion:169 Resp: 688946
Ion Ratio Lower Upper
169 100
168 60.3 47.9 71.9
167 34.2 27.0 40.6





#67
4-Bromophenyl-phenylether
Concen: 48.939 ng
RT: 10.957 min Scan# 1490
Delta R.T. 0.000 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

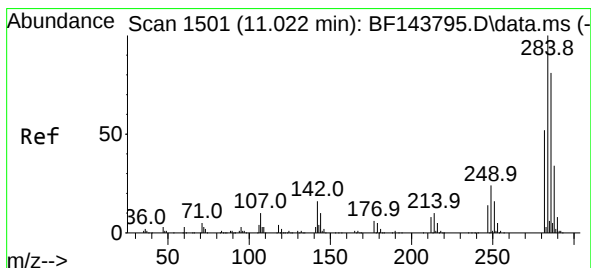
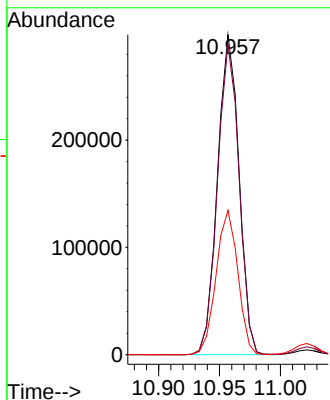
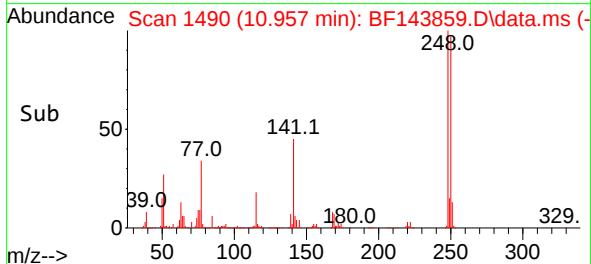
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMS



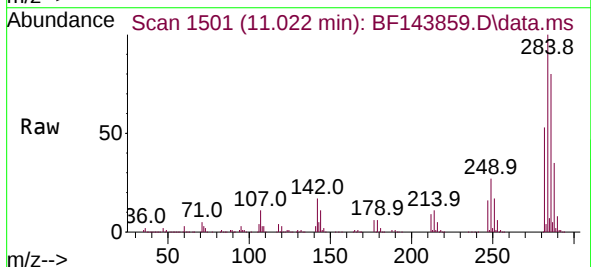
Tgt Ion:248 Resp: 368163
Ion Ratio Lower Upper
248 100
250 96.9 78.7 118.1
141 45.1 37.9 56.9

Manual Integrations
APPROVED

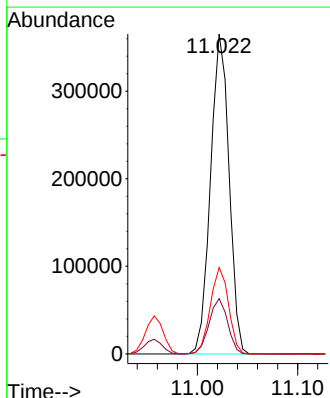
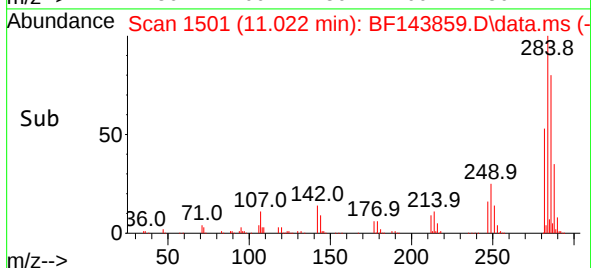
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

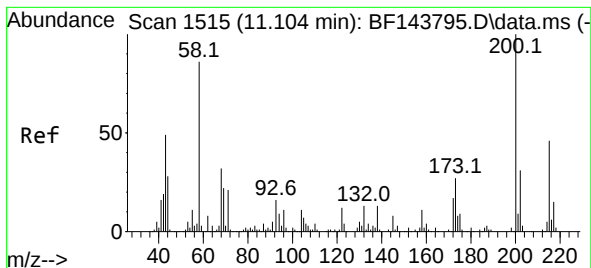


#68
Hexachlorobenzene
Concen: 45.316 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12



Tgt Ion:284 Resp: 469814
Ion Ratio Lower Upper
284 100
142 17.3 13.1 19.7
249 27.0 19.5 29.3





#69

Atrazine

Concen: 53.768 ng

RT: 11.110 min Scan# 1516

Delta R.T. 0.000 min

Lab File: BF143859.D

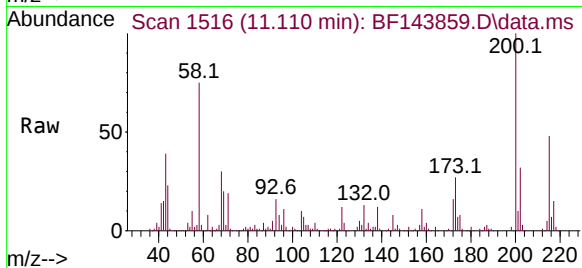
Acq: 02 Oct 2025 17:12

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1-WCMS



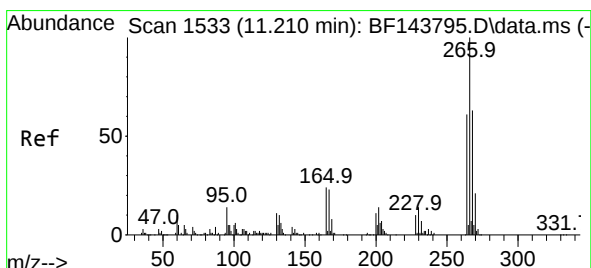
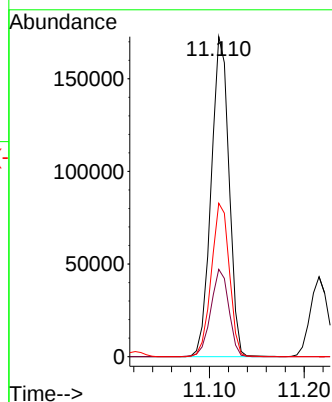
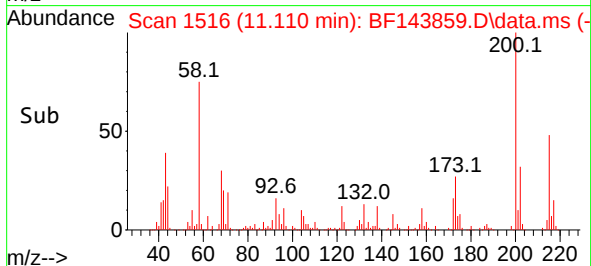
Tgt Ion:200	Resp: 226045
Ion Ratio	Lower Upper
200 100	
173 27.3	7.2 47.2
215 47.9	26.0 66.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#70

Pentachlorophenol

Concen: 103.099 ng

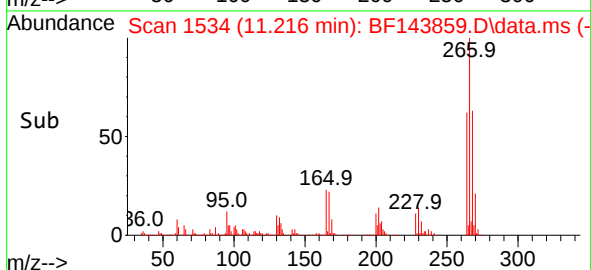
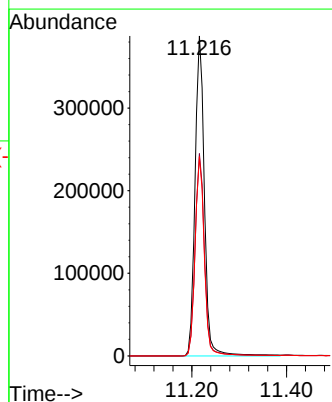
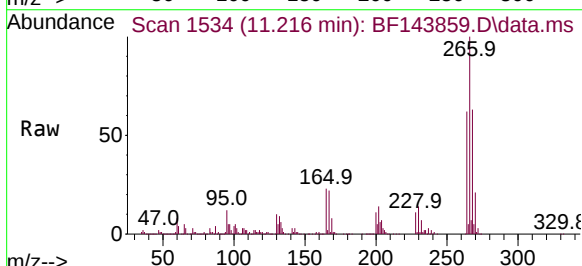
RT: 11.216 min Scan# 1534

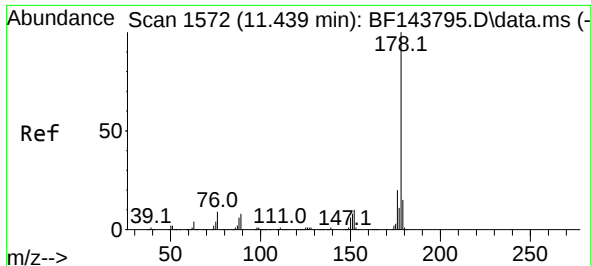
Delta R.T. 0.000 min

Lab File: BF143859.D

Acq: 02 Oct 2025 17:12

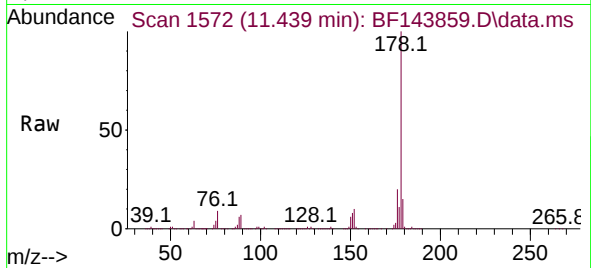
Tgt Ion:266	Resp: 532055
Ion Ratio	Lower Upper
266 100	
268 63.2	50.5 75.7
264 62.3	48.8 73.2





#71
Phenanthrene
Concen: 47.375 ng
RT: 11.439 min Scan# 1572
Delta R.T. 0.000 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

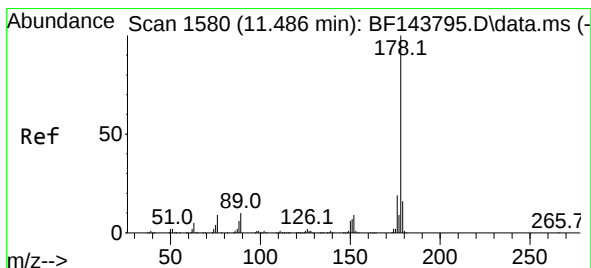
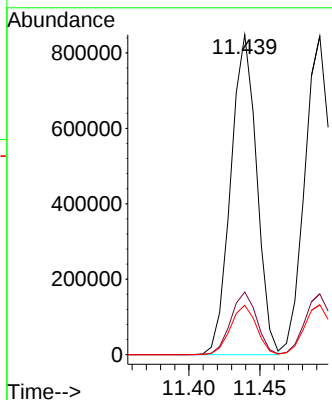
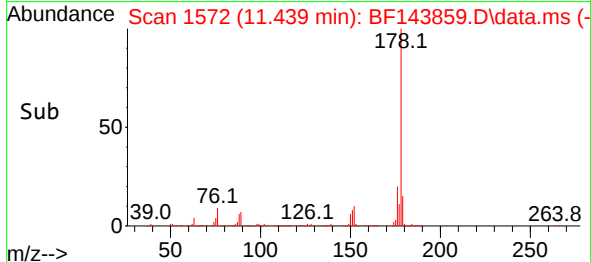
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMS



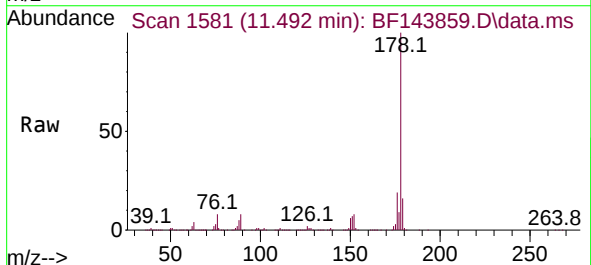
Tgt Ion:178 Resp: 1073690
Ion Ratio Lower Upper
178 100
176 19.6 15.6 23.4
179 15.4 12.2 18.4

Manual Integrations
APPROVED

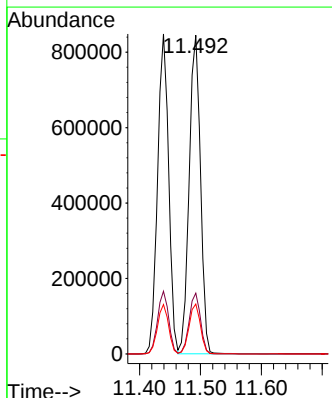
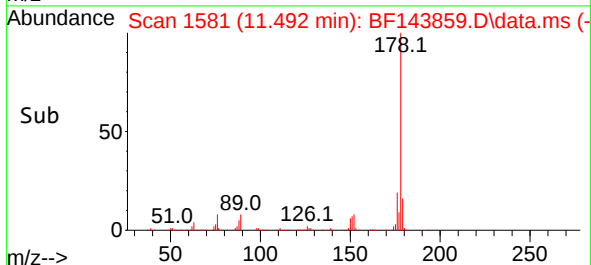
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

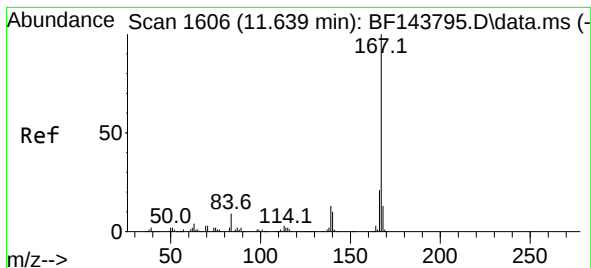


#72
Anthracene
Concen: 47.983 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12



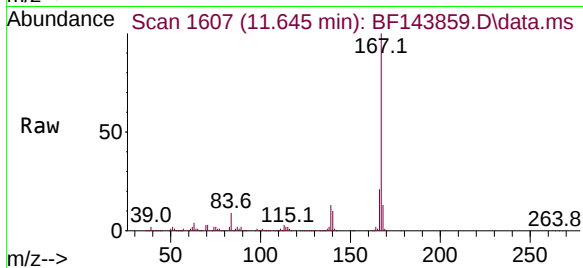
Tgt Ion:178 Resp: 1090822
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.7 12.8 19.2





#73
 Carbazole
 Concen: 47.680 ng
 RT: 11.645 min Scan# 1607
 Delta R.T. 0.000 min
 Lab File: BF143859.D
 Acq: 02 Oct 2025 17:12

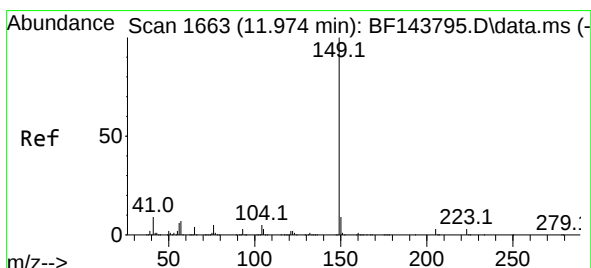
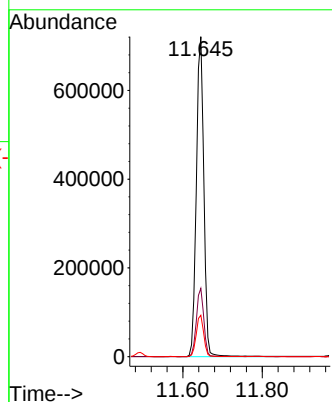
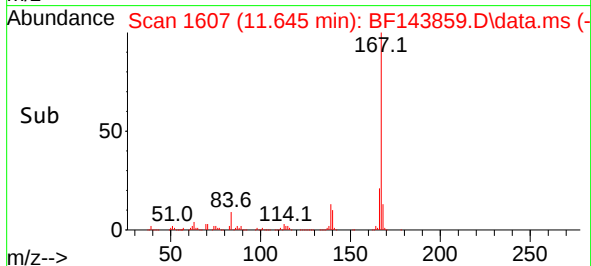
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-1-WCMS



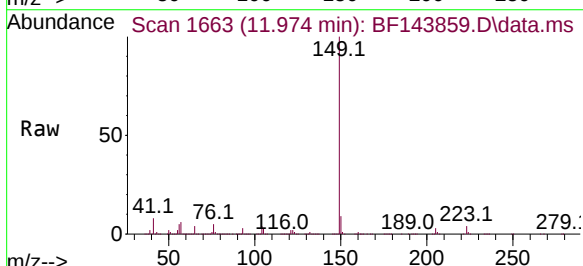
Tgt Ion:167 Resp: 947714
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.0 25.4
 139 12.9 10.6 15.8

Manual Integrations
 APPROVED

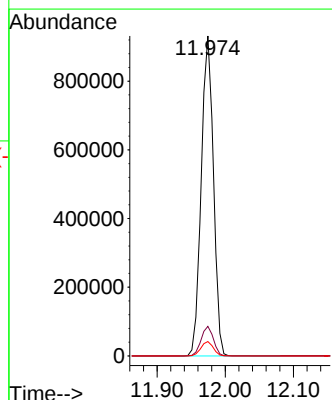
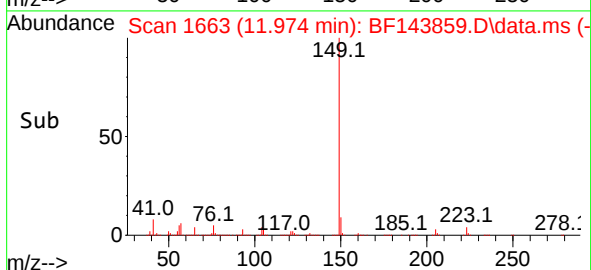
Reviewed By :Rahul Chavli 10/03/2025
 Supervised By :Jagrut Upadhyay 10/03/2025

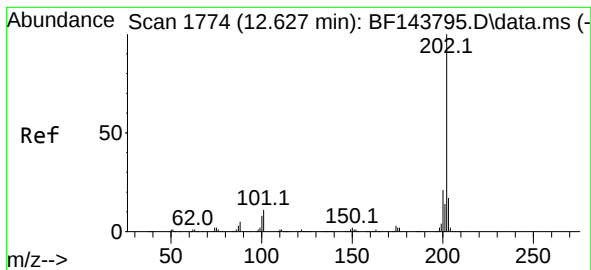


#74
 Di-n-butylphthalate
 Concen: 50.754 ng
 RT: 11.974 min Scan# 1663
 Delta R.T. 0.000 min
 Lab File: BF143859.D
 Acq: 02 Oct 2025 17:12



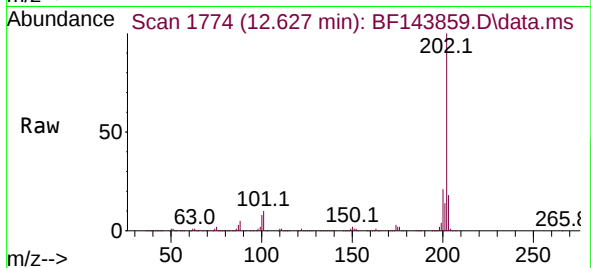
Tgt Ion:149 Resp: 1160200
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.3 10.9
 104 4.5 3.6 5.4





#75
Fluoranthene
Concen: 48.119 ng
RT: 12.627 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

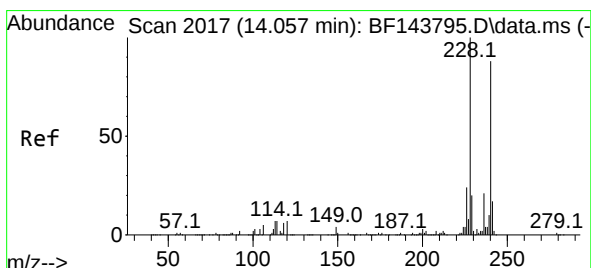
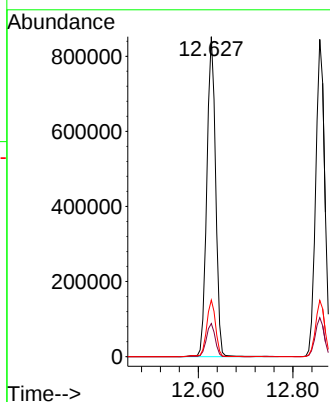
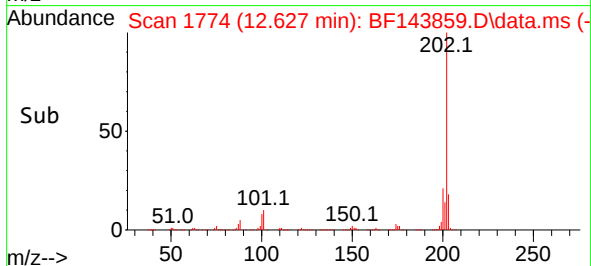
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMS



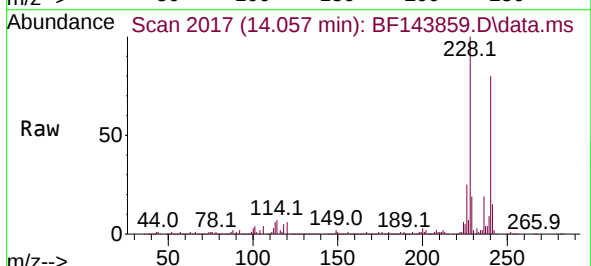
Tgt Ion:202 Resp: 109684
Ion Ratio Lower Upper
202 100
101 10.3 0.0 31.1
203 17.7 0.0 37.4

Manual Integrations
APPROVED

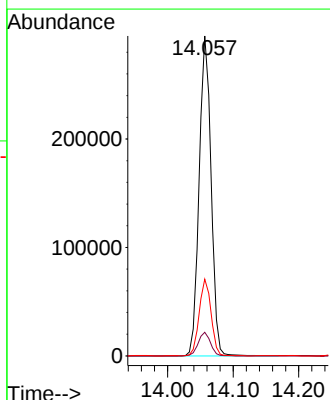
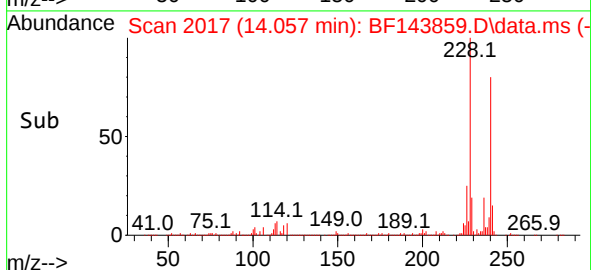
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

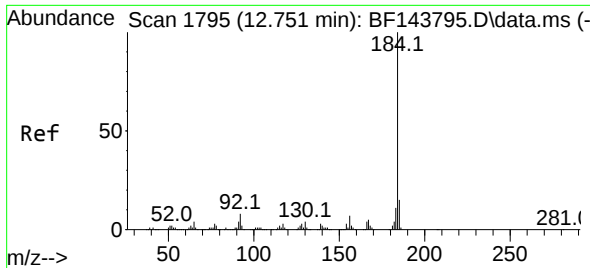


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12



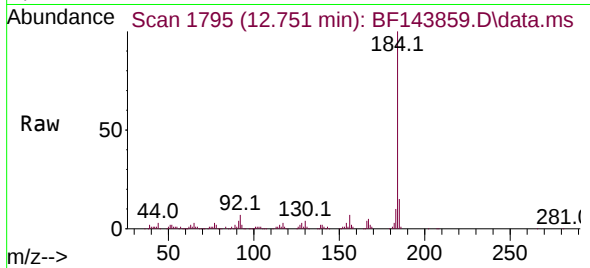
Tgt Ion:240 Resp: 370263
Ion Ratio Lower Upper
240 100
120 7.4 6.2 9.4
236 24.0 19.4 29.2





#77
Benzidine
Concen: 18.527 ng
RT: 12.751 min Scan# 1795
Delta R.T. 0.000 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

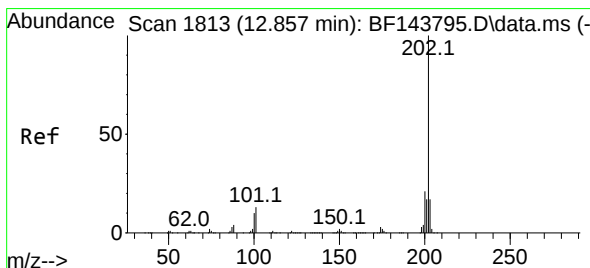
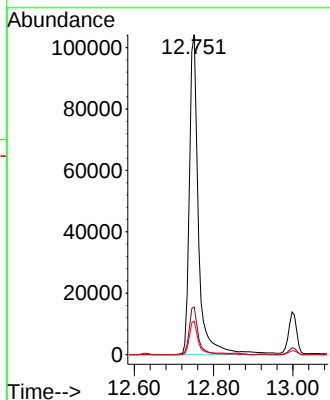
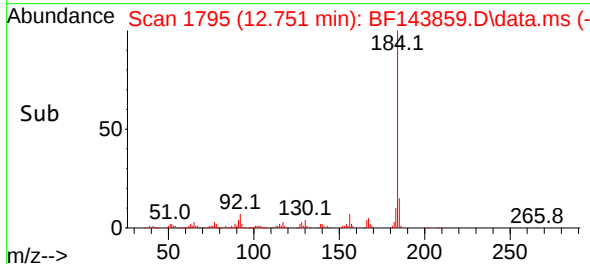
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMS



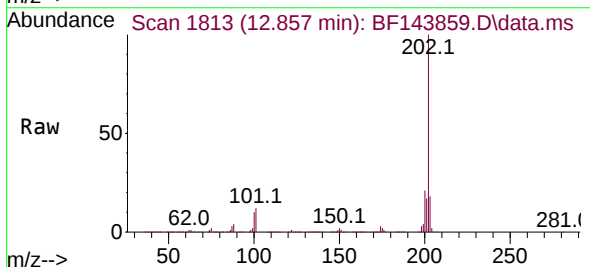
Tgt Ion:184 Resp: 167158
Ion Ratio Lower Upper
184 100
185 14.9 11.6 17.4
183 10.4 8.6 13.0

Manual Integrations
APPROVED

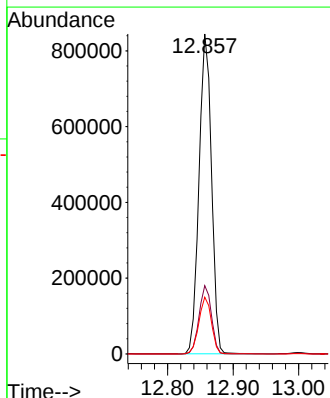
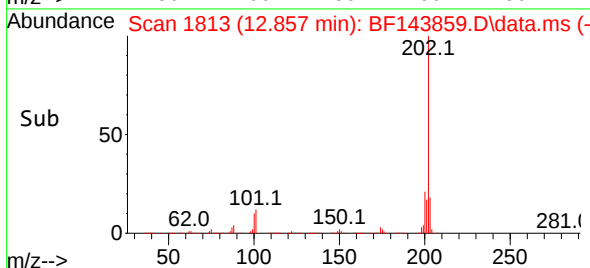
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

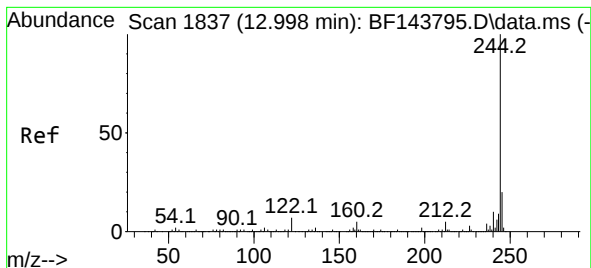


#78
Pyrene
Concen: 60.863 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12



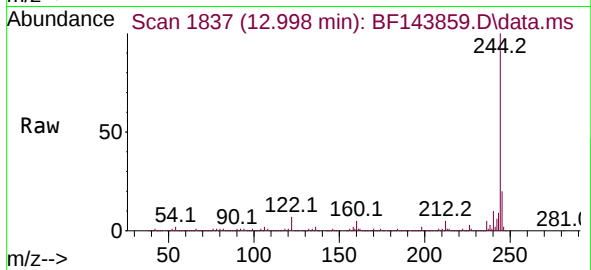
Tgt Ion:202 Resp: 1107932
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.4
203 17.7 13.9 20.9





#79
Terphenyl-d14
Concen: 115.103 ng
RT: 12.998 min Scan# 1837
Delta R.T. -0.006 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

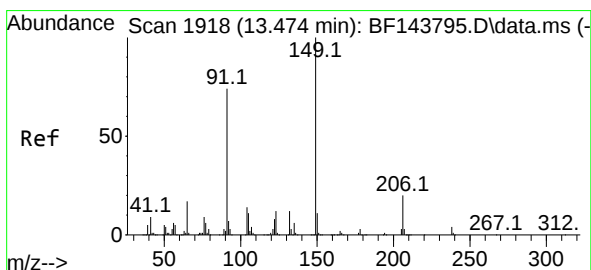
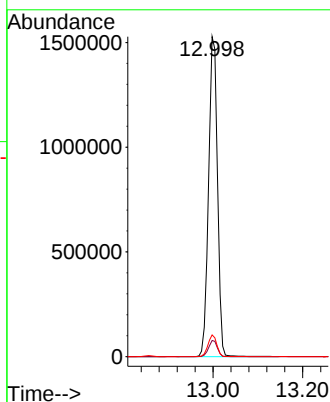
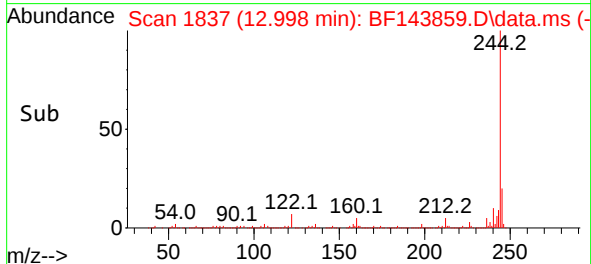
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMS



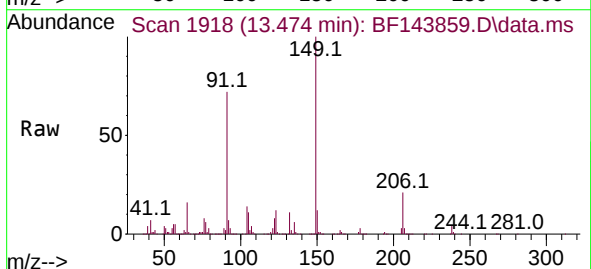
Tgt Ion:244 Resp: 2095563
Ion Ratio Lower Upper
244 100
212 5.1 3.9 5.9
122 6.8 5.6 8.4

Manual Integrations
APPROVED

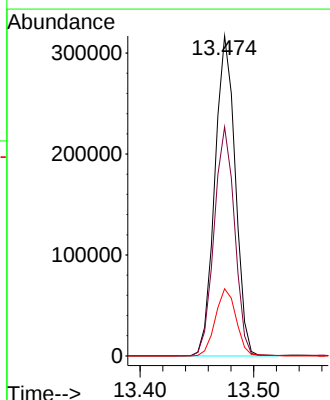
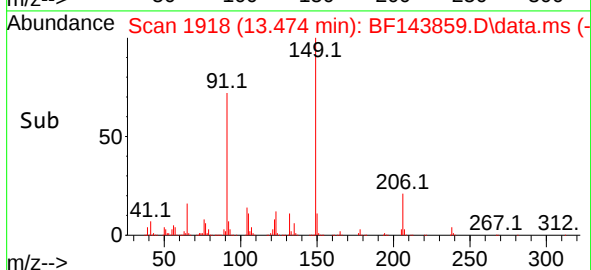
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

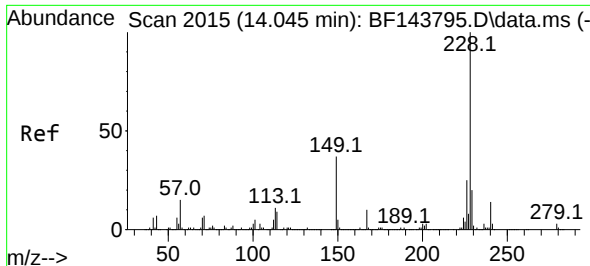


#80
Butylbenzylphthalate
Concen: 62.933 ng
RT: 13.474 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12



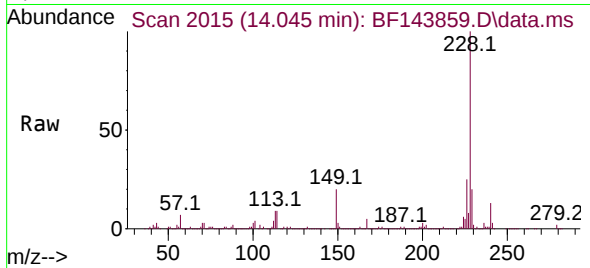
Tgt Ion:149 Resp: 396351
Ion Ratio Lower Upper
149 100
91 71.5 59.5 89.3
206 21.0 16.1 24.1





#81
Benzo(a)anthracene
Concen: 50.261 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

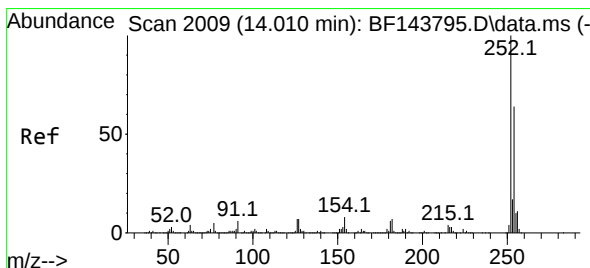
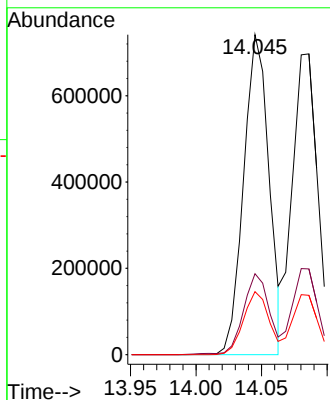
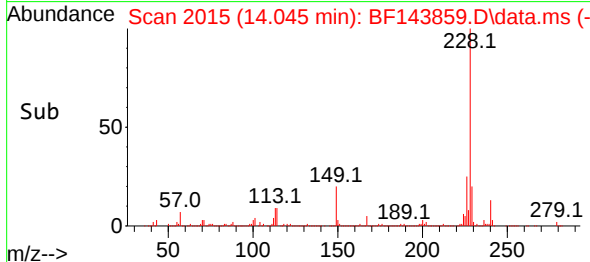
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMS



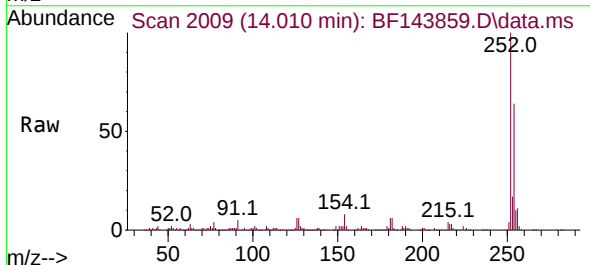
Tgt Ion:228 Resp: 999752
Ion Ratio Lower Upper
228 100
226 25.3 20.2 30.2
229 19.7 16.1 24.1

Manual Integrations
APPROVED

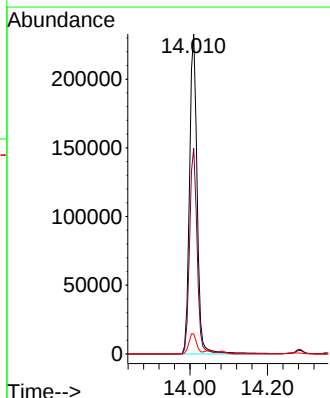
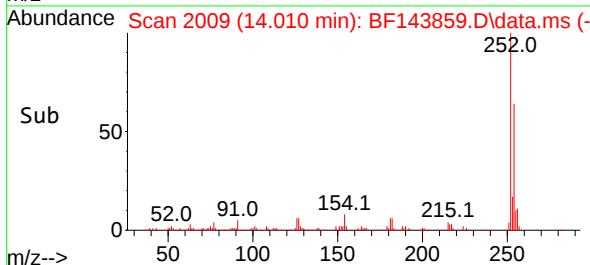
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

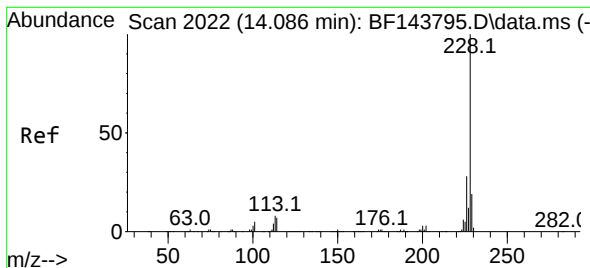


#82
3,3'-Dichlorobenzidine
Concen: 36.668 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12



Tgt Ion:252 Resp: 315976
Ion Ratio Lower Upper
252 100
254 64.3 51.5 77.3
126 6.3 5.4 8.2





#83

Chrysene

Concen: 52.483 ng

RT: 14.086 min Scan# 2013

Delta R.T. 0.000 min

Lab File: BF143859.D

Acq: 02 Oct 2025 17:12

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1-WCMS

Tgt Ion:228 Resp: 944634

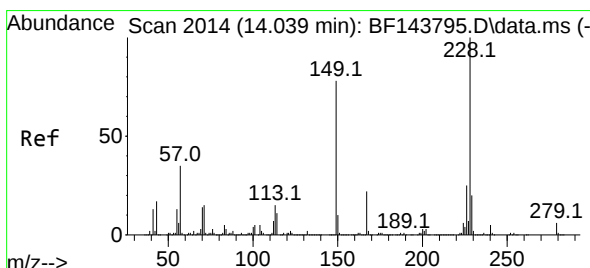
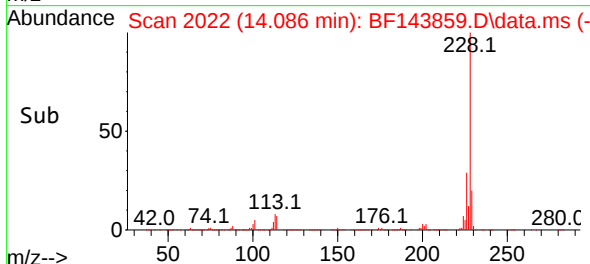
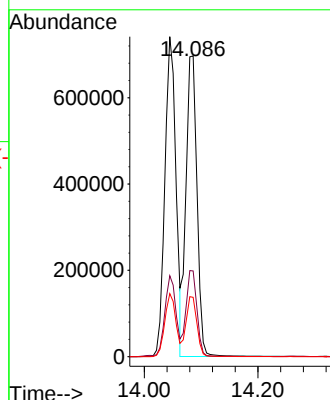
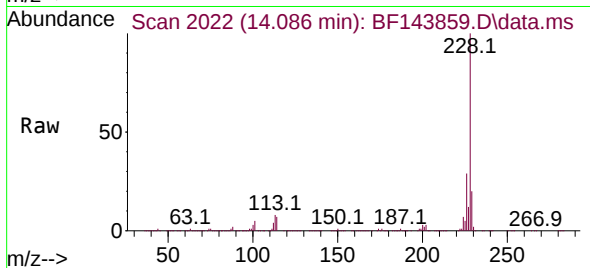
Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	33.8
229	19.7	15.6	23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 52.024 ng

RT: 14.033 min Scan# 2013

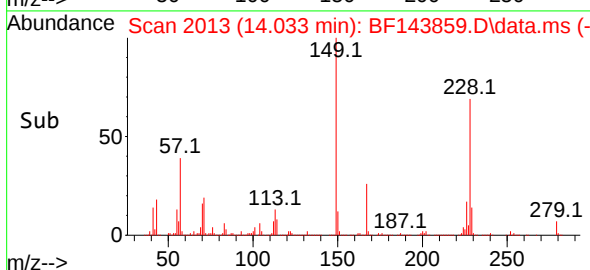
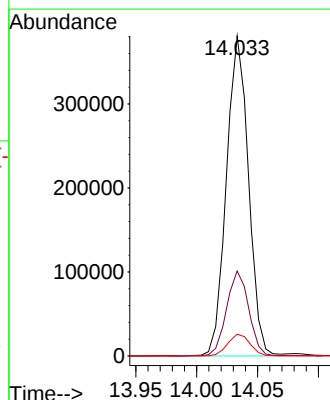
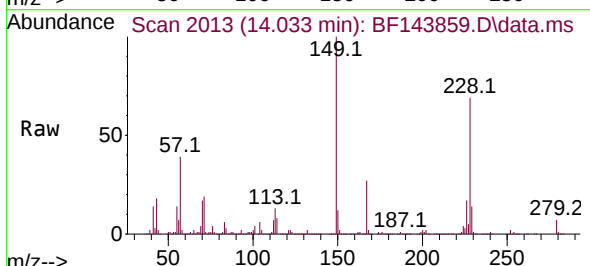
Delta R.T. -0.006 min

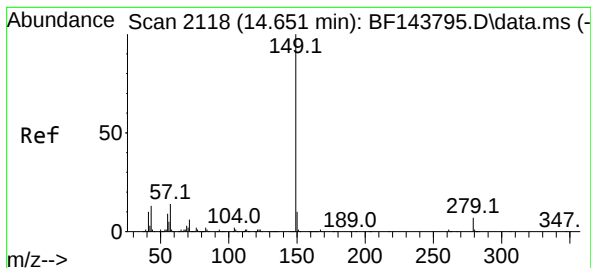
Lab File: BF143859.D

Acq: 02 Oct 2025 17:12

Tgt Ion:149 Resp: 480257

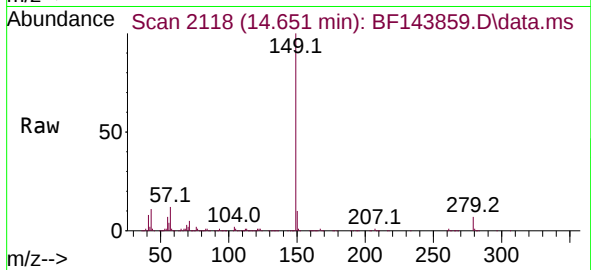
Ion	Ratio	Lower	Upper
149	100		
167	26.5	22.2	33.2
279	6.8	6.0	9.0





#85
Di-n-octyl phthalate
Concen: 47.055 ng
RT: 14.651 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

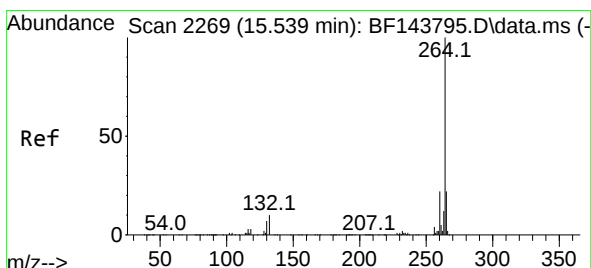
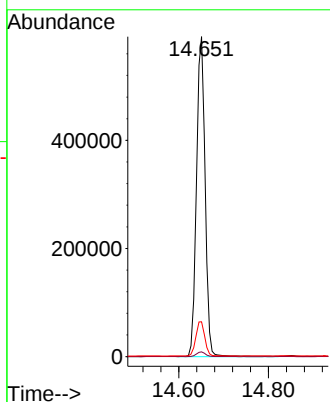
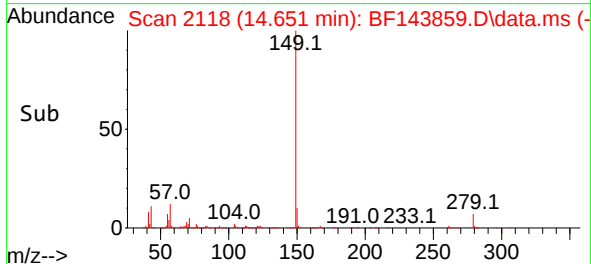
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMS



Tgt Ion:149 Resp: 787946
Ion Ratio Lower Upper
149 100
167 1.6 1.1 1.7
43 11.1 10.7 16.1

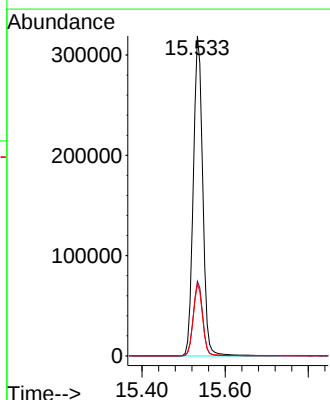
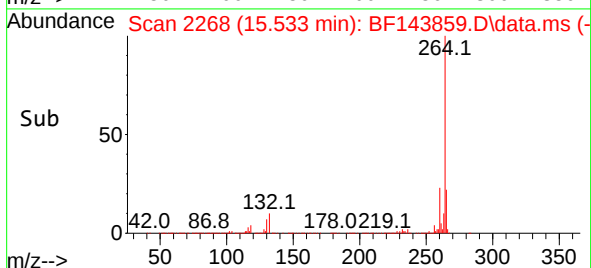
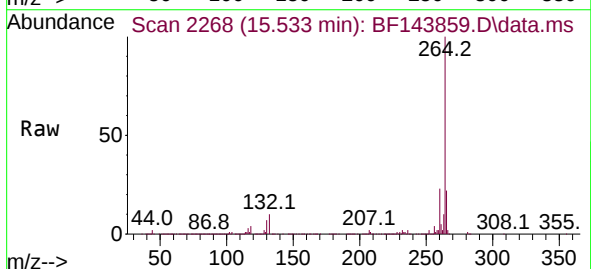
Manual Integrations
APPROVED

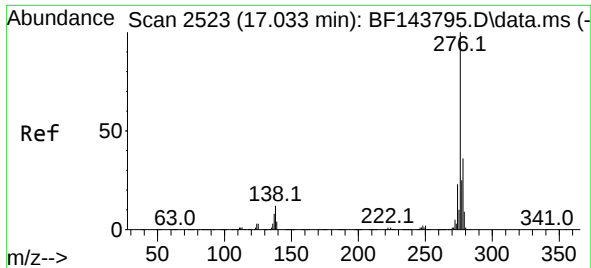
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

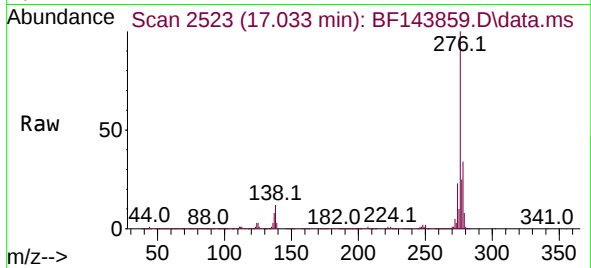
Tgt Ion:264 Resp: 501142
Ion Ratio Lower Upper
264 100
260 23.3 17.9 26.9
265 22.3 17.7 26.5





#87
Indeno(1,2,3-cd)pyrene
Concen: 50.472 ng
RT: 17.033 min Scan# 2523
Delta R.T. -0.012 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

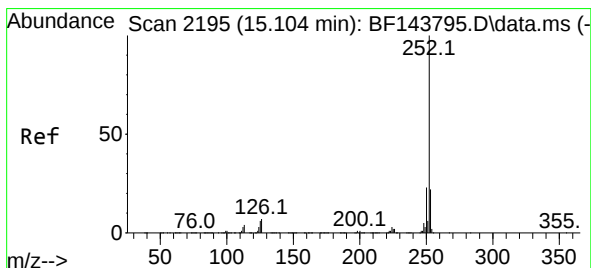
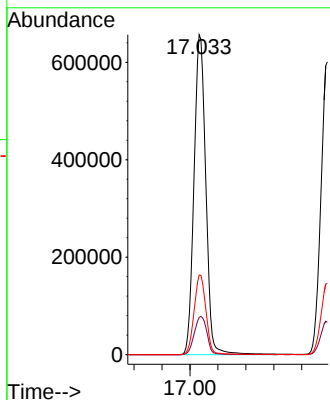
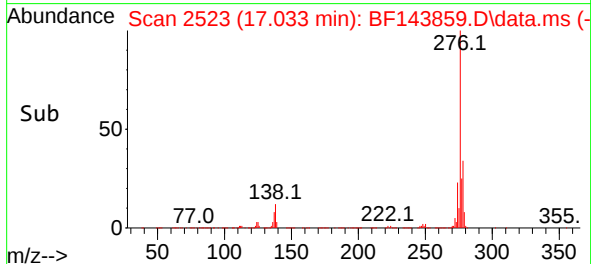
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMS



Tgt Ion: 276 Resp: 1919120
Ion Ratio Lower Upper
276 100
138 12.8 10.6 15.8
277 25.2 20.7 31.1

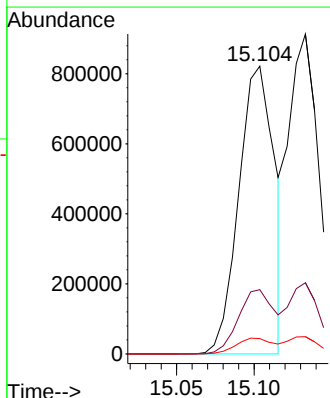
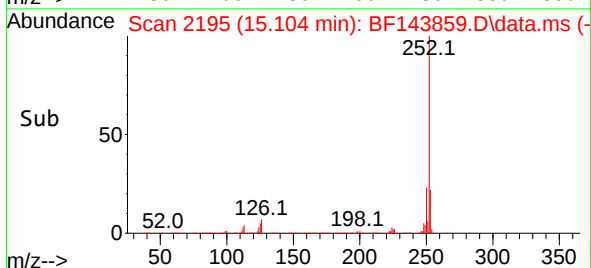
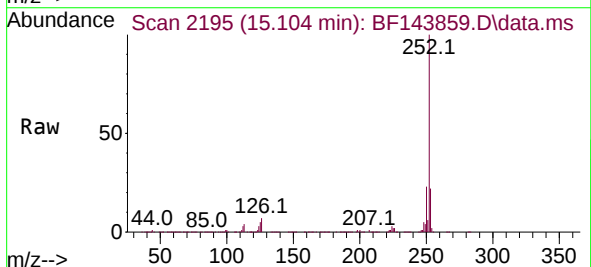
Manual Integrations
APPROVED

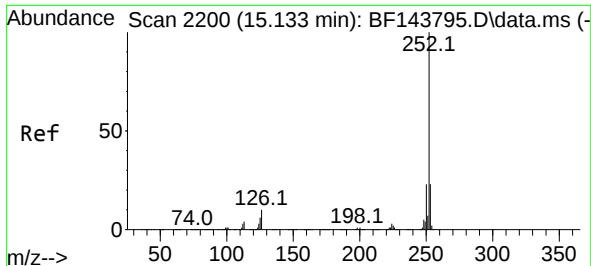
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#88
Benzo(b)fluoranthene
Concen: 51.337 ng
RT: 15.104 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

Tgt Ion: 252 Resp: 1310154
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 5.3 4.4 6.6





#89

Benzo(k)fluoranthene

Concen: 49.439 ng

RT: 15.133 min Scan# 2200

Delta R.T. -0.006 min

Lab File: BF143859.D

Acq: 02 Oct 2025 17:12

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1-WCMS

Tgt Ion:252 Resp: 126760

Ion Ratio Lower Upper

252 100

253 22.3 17.9 26.9

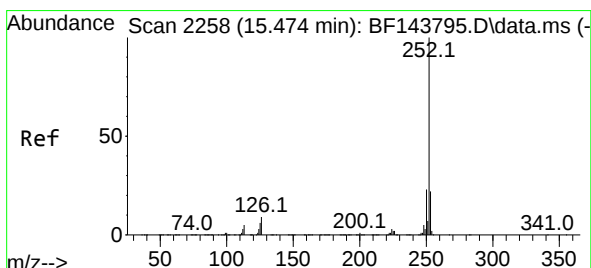
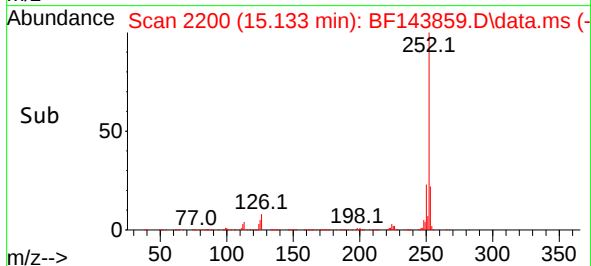
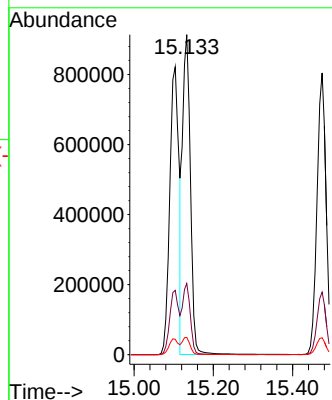
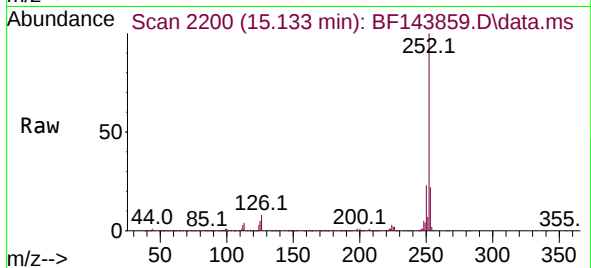
125 5.4 4.6 6.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#90

Benzo(a)pyrene

Concen: 53.149 ng

RT: 15.474 min Scan# 2258

Delta R.T. -0.006 min

Lab File: BF143859.D

Acq: 02 Oct 2025 17:12

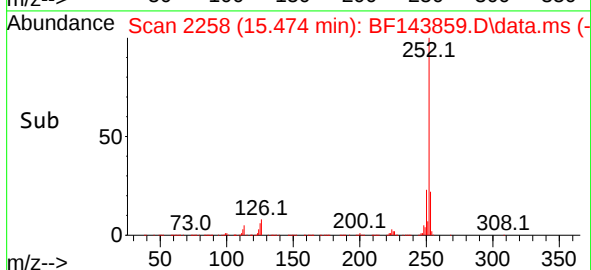
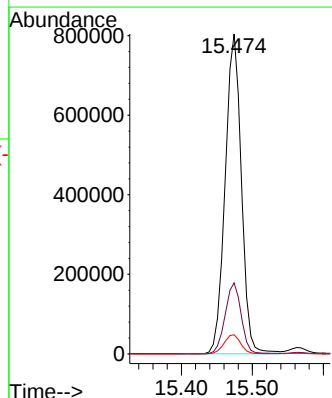
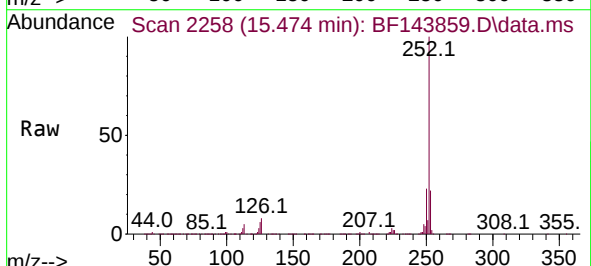
Tgt Ion:252 Resp: 1274983

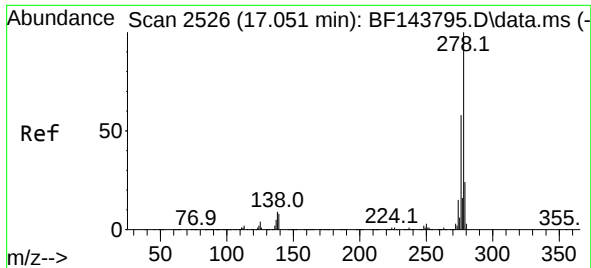
Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

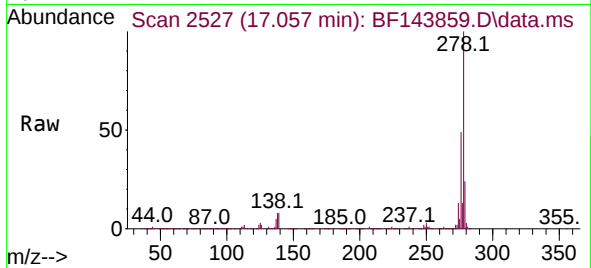
125 6.0 5.0 7.4





#91
Dibenzo(a,h)anthracene
Concen: 49.798 ng
RT: 17.057 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

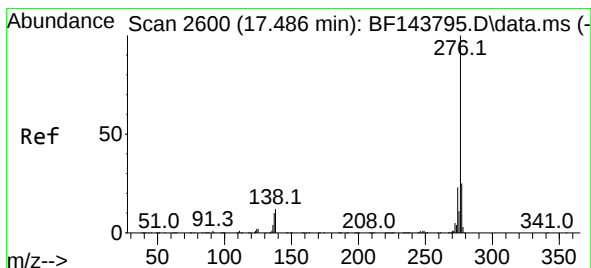
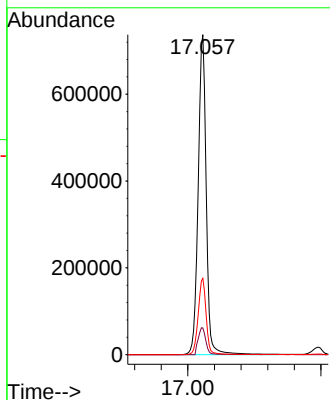
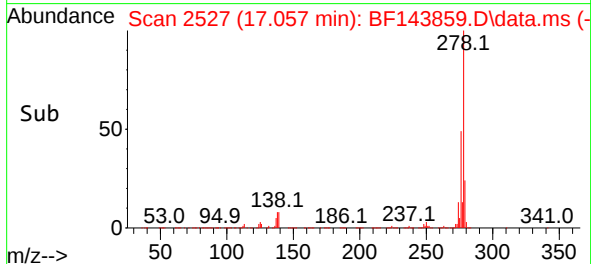
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMS



Tgt Ion:278 Resp: 1548721
Ion Ratio Lower Upper
278 100
139 8.3 6.7 10.1
279 23.8 19.3 28.9

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#92
Benzo(g,h,i)perylene
Concen: 52.694 ng
RT: 17.492 min Scan# 2601
Delta R.T. -0.012 min
Lab File: BF143859.D
Acq: 02 Oct 2025 17:12

Tgt Ion:276 Resp: 1579743
Ion Ratio Lower Upper
276 100
277 24.3 19.6 29.4
138 11.0 9.2 13.8

