

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100225\
 Data File : BF143860.D
 Acq On : 02 Oct 2025 17:41
 Operator : RC/JU
 Sample : Q3256-04MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: Oct 02 18:05:47 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	118556	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	457490	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	245435	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	401076	20.000	ng	0.00
76) Chrysene-d12	14.057	240	331563	20.000	ng	0.00
86) Perylene-d12	15.533	264	477862	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	904107	123.899	ng	0.02
7) Phenol-d6	6.510	99	1031450	122.335	ng	0.00
23) Nitrobenzene-d5	7.445	82	733349	98.121	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	322300	88.689	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1424560	90.575	ng	0.00
79) Terphenyl-d14	12.998	244	1912479	117.308	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.834	88	144191	41.284	ng	# 80
3) Pyridine	3.540	79	363942	38.603	ng	90
4) n-Nitrosodimethylamine	3.481	42	207898	43.978	ng	87
6) Aniline	6.551	93	333090	27.220	ng	98
8) 2-Chlorophenol	6.669	128	371284	49.701	ng	100
9) Benzaldehyde	6.440	77	131934	17.869	ng	96
10) Phenol	6.528	94	439461	44.842	ng	99
11) bis(2-Chloroethyl)ether	6.622	93	376320	48.986	ng	96
12) 1,3-Dichlorobenzene	6.828	146	402943	46.457	ng	99
13) 1,4-Dichlorobenzene	6.904	146	406244	46.933	ng	99
14) 1,2-Dichlorobenzene	7.057	146	392664	47.898	ng	100
15) Benzyl Alcohol	7.028	79	339861	55.786	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	759690	41.704	ng	95
17) 2-Methylphenol	7.134	107	295407	51.078	ng	99
18) Hexachloroethane	7.398	117	140404	46.124	ng	97
19) n-Nitroso-di-n-propyla...	7.298	70	269089	49.631	ng	90
20) 3+4-Methylphenols	7.287	107	342050	48.565	ng	# 82
22) Acetophenone	7.293	105	516809	51.433	ng	98
24) Nitrobenzene	7.469	77	404178	48.789	ng	97
25) Isophorone	7.704	82	742074	50.952	ng	99
26) 2-Nitrophenol	7.781	139	195364	56.908	ng	96
27) 2,4-Dimethylphenol	7.816	122	350985	53.917	ng	99
28) bis(2-Chloroethoxy)met...	7.916	93	456356	48.229	ng	99
29) 2,4-Dichlorophenol	8.022	162	329624	51.461	ng	100
30) 1,2,4-Trichlorobenzene	8.110	180	336279	50.589	ng	98
31) Naphthalene	8.192	128	1039157	47.449	ng	100
32) Benzoic acid	7.928	122	250034	79.609	ng	96
33) 4-Chloroaniline	8.234	127	111687	14.512	ng	97
34) Hexachlorobutadiene	8.304	225	238688	48.168	ng	99
35) Caprolactam	8.604	113	91120m	55.656	ng	
36) 4-Chloro-3-methylphenol	8.716	107	325274	54.146	ng	100
37) 2-Methylnaphthalene	8.881	142	645647	46.233	ng	99
38) 1-Methylnaphthalene	8.981	142	659154	49.313	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	382914	51.698	ng	99
41) Hexachlorocyclopentadiene	9.034	237	504845	107.546	ng	98
43) 2,4,6-Trichlorophenol	9.157	196	245202	52.869	ng	99

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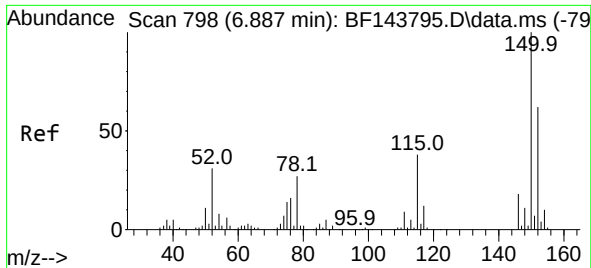
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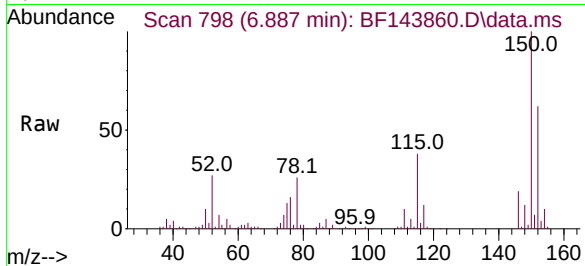
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	260533	53.706	ng	98
46) 1,1'-Biphenyl	9.345	154	934558	52.603	ng	99
47) 2-Chloronaphthalene	9.369	162	675714	47.249	ng	99
48) 2-Nitroaniline	9.463	65	260204	60.200	ng	99
49) Acenaphthylene	9.786	152	1093588	55.547	ng	100
50) Dimethylphthalate	9.645	163	788466	52.708	ng	100
51) 2,6-Dinitrotoluene	9.704	165	167941	68.330	ng	96
52) Acenaphthene	9.957	154	670238	51.733	ng	99
53) 3-Nitroaniline	9.875	138	113384	38.059	ng	96
54) 2,4-Dinitrophenol	9.981	184	135572	106.677	ng	# 20
55) Dibenzofuran	10.133	168	913928	49.886	ng	99
56) 4-Nitrophenol	10.034	139	242557	101.035	ng	92
57) 2,4-Dinitrotoluene	10.110	165	224347	60.676	ng	96
58) Fluorene	10.475	166	688703	50.567	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	256455	61.710	ng	98
60) Diethylphthalate	10.345	149	745041	53.205	ng	99
61) 4-Chlorophenyl-phenylether	10.469	204	355750	51.263	ng	96
62) 4-Nitroaniline	10.492	138	164871	58.857	ng	99
63) Azobenzene	10.628	77	749592	50.792	ng	96
65) 4,6-Dinitro-2-methylph...	10.516	198	101572	63.360	ng	86
66) n-Nitrosodiphenylamine	10.586	169	665735	50.472	ng	100
67) 4-Bromophenyl-phenylether	10.957	248	348582	50.999	ng	99
68) Hexachlorobenzene	11.022	284	443908	47.127	ng	96
69) Atrazine	11.110	200	210420	55.089	ng	98
70) Pentachlorophenol	11.216	266	493064	105.160	ng	99
71) Phenanthrene	11.439	178	1003605	48.740	ng	100
72) Anthracene	11.492	178	1033434	50.034	ng	99
73) Carbazole	11.645	167	891669	49.376	ng	100
74) Di-n-butylphthalate	11.975	149	1053633	50.731	ng	99
75) Fluoranthene	12.627	202	1004895	48.522	ng	99
77) Benzidine	12.751	184	147859	18.301	ng	99
78) Pyrene	12.857	202	1010383	61.983	ng	99
80) Butylbenzylphthalate	13.474	149	362561	64.287	ng	96
81) Benzo(a)anthracene	14.045	228	927740	52.084	ng	100
82) 3,3'-Dichlorobenzidine	14.010	252	293500	38.035	ng	99
83) Chrysene	14.080	228	890746	55.265	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	442251	53.499	ng	98
85) Di-n-octyl phthalate	14.651	149	766040	51.086	ng	95
87) Indeno(1,2,3-cd)pyrene	17.039	276	1955449	53.933	ng	99
88) Benzo(b)fluoranthene	15.104	252	1292227	53.101	ng	100
89) Benzo(k)fluoranthene	15.133	252	1271681	52.014	ng	100
90) Benzo(a)pyrene	15.474	252	1286039	56.221	ng	99
91) Dibenzo(a,h)anthracene	17.057	278	1574046	53.078	ng	100
92) Benzo(g,h,i)perylene	17.492	276	1595990	55.830	ng	100

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 798
Delta R.T. -0.000 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

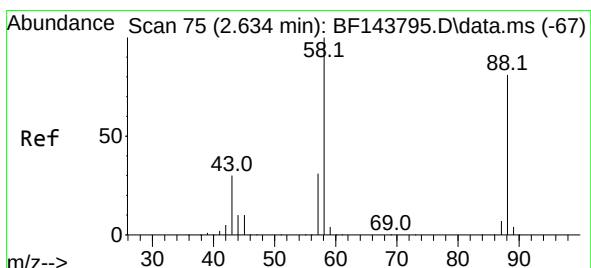
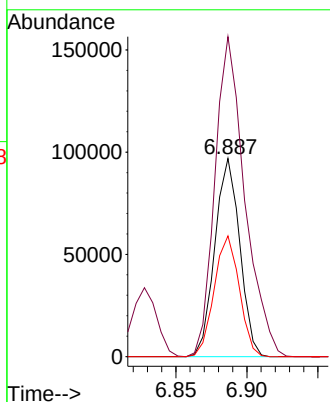
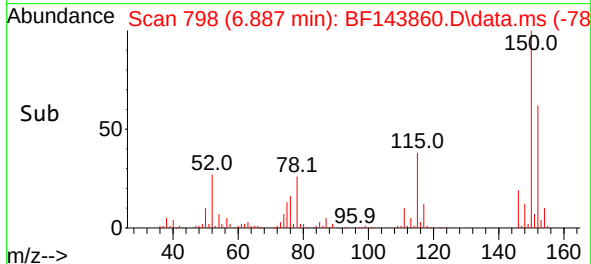
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMSD



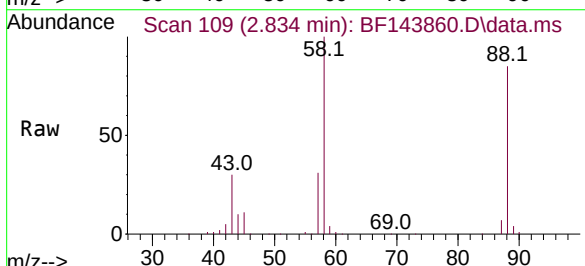
Tgt Ion:152 Resp: 118556
Ion Ratio Lower Upper
152 100
150 161.5 129.6 194.4
115 61.0 49.0 73.4

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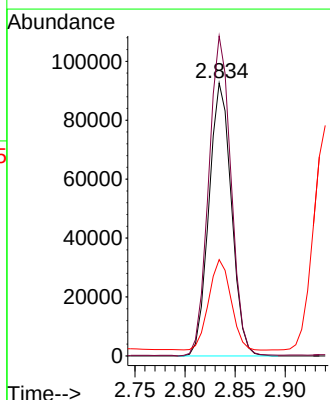
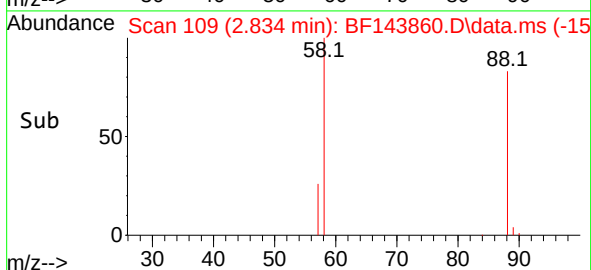
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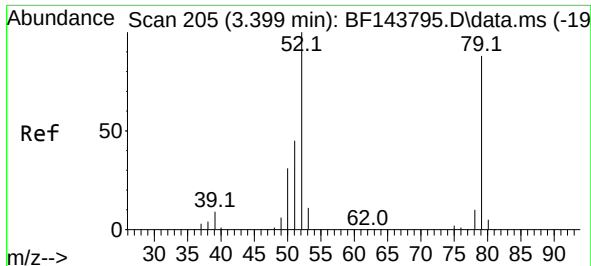


#2
1,4-Dioxane
Concen: 41.284 ng
RT: 2.834 min Scan# 109
Delta R.T. 0.200 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41



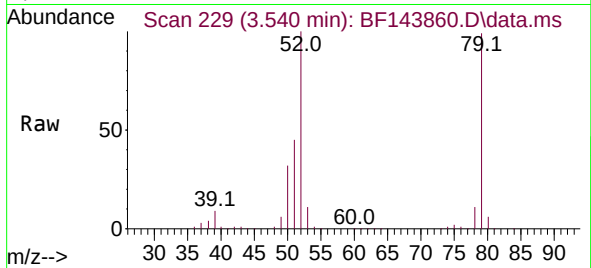
Tgt Ion: 88 Resp: 144191
Ion Ratio Lower Upper
88 100
58 116.8 99.4 149.2
43 0.0 30.6 45.8#





#3
Pyridine
Concen: 38.603 ng
RT: 3.540 min Scan# 219
Delta R.T. 0.141 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

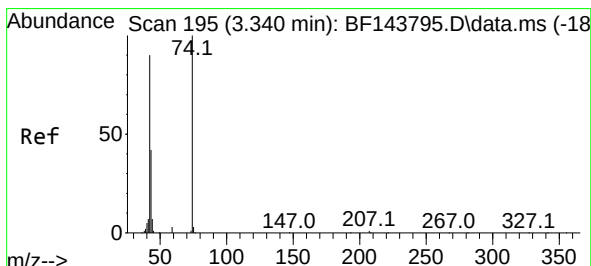
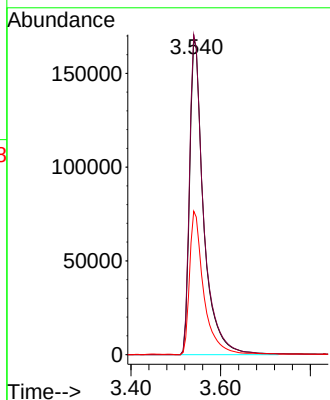
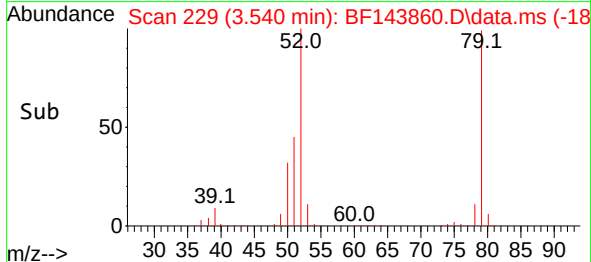
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMSD



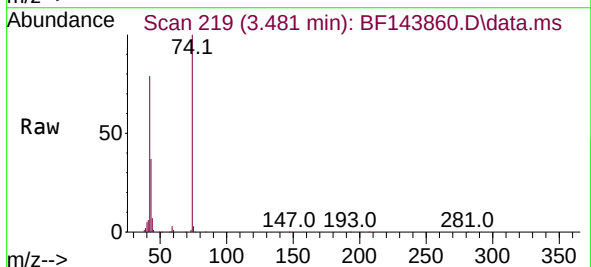
Tgt Ion: 79 Resp: 363942
Ion Ratio Lower Upper
79 100
52 101.4 90.5 135.7
51 45.5 40.6 61.0

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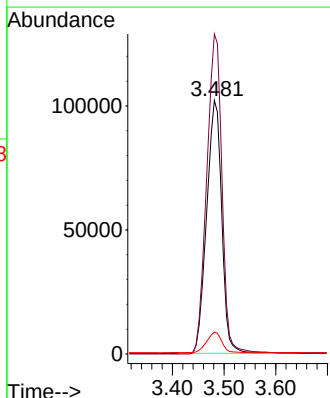
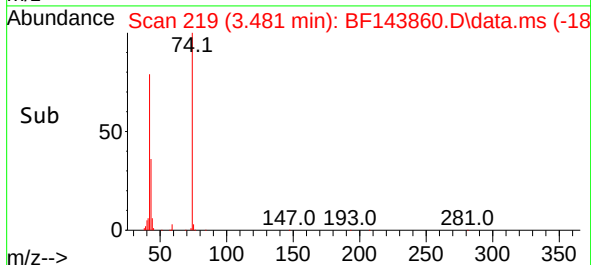
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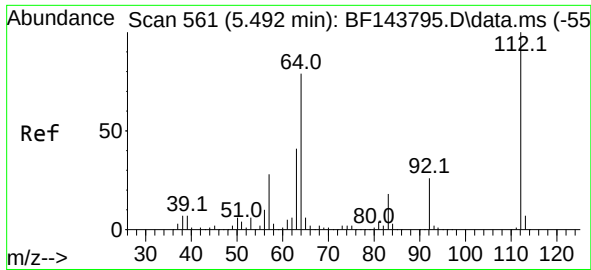


#4
n-Nitrosodimethylamine
Concen: 43.978 ng
RT: 3.481 min Scan# 219
Delta R.T. 0.124 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41



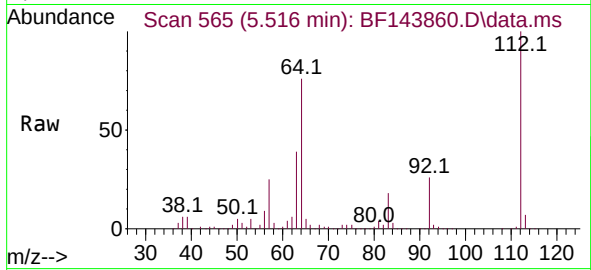
Tgt Ion: 42 Resp: 207898
Ion Ratio Lower Upper
42 100
74 126.2 89.1 133.7
44 8.5 6.4 9.6





#5
2-Fluorophenol
Concen: 123.899 ng
RT: 5.516 min Scan# 50
Delta R.T. 0.018 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

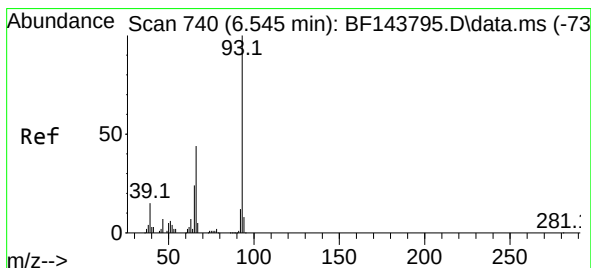
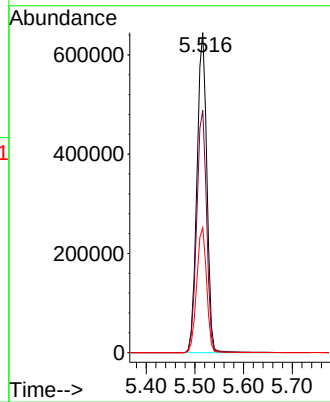
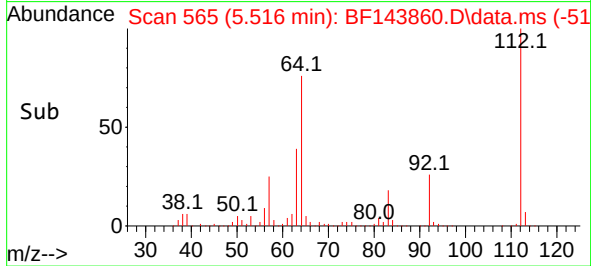
Instrument :
BNA_F
ClientSampleId :
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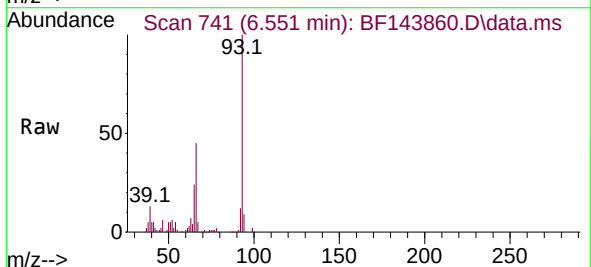
Tgt Ion: 112 Resp: 90410
Ion Ratio Lower Upper
112 100
64 75.8 63.0 94.4
63 39.0 32.6 49.0

Manual Integrations
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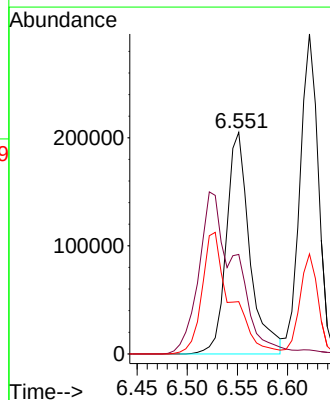
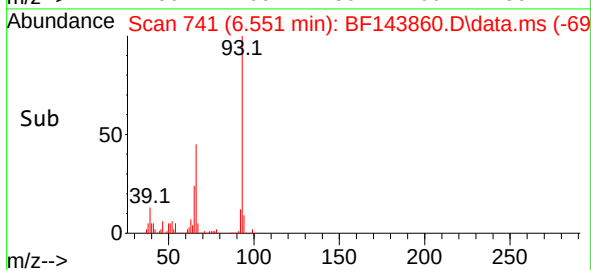
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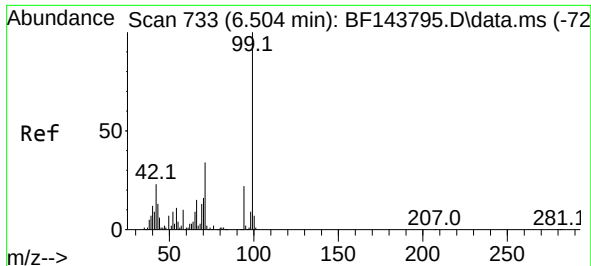


#6
Aniline
Concen: 27.220 ng
RT: 6.551 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41



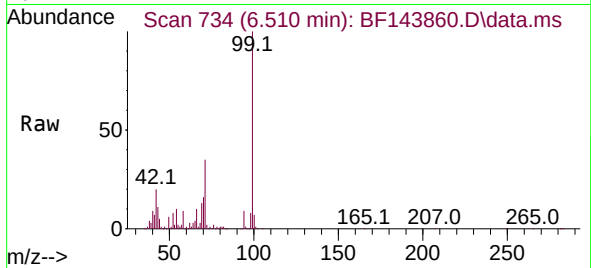
Tgt Ion: 93 Resp: 333090
Ion Ratio Lower Upper
93 100
66 44.9 37.1 55.7
65 23.6 19.4 29.0





#7
Phenol-d6
Concen: 122.335 ng
RT: 6.510 min Scan# 734
Delta R.T. 0.000 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

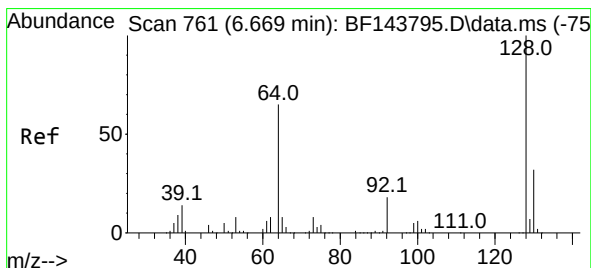
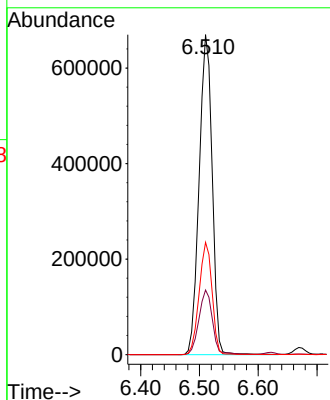
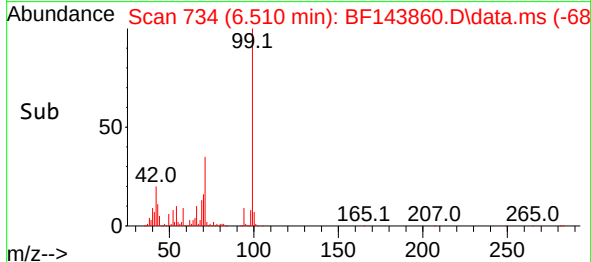
Instrument :
BNA_F
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Tgt Ion: 99 Resp: 1031450
Ion Ratio Lower Upper
99 100
42 20.2 18.6 28.0
71 35.1 27.0 40.4

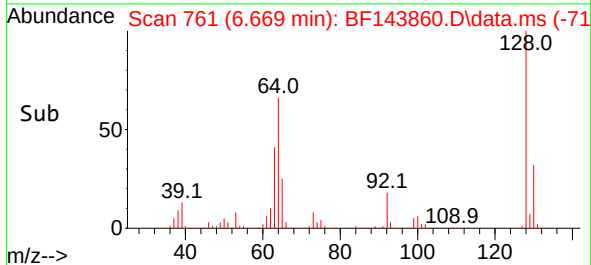
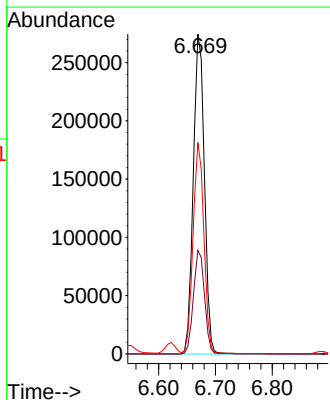
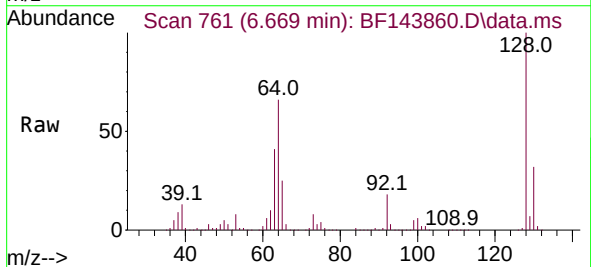
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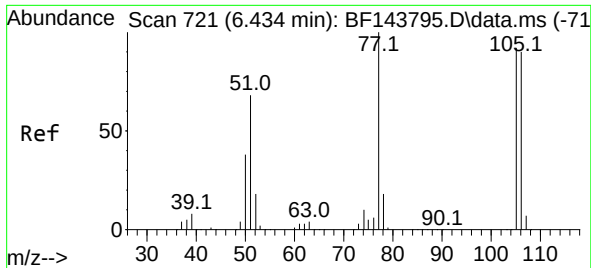
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#8
2-Chlorophenol
Concen: 49.701 ng
RT: 6.669 min Scan# 761
Delta R.T. 0.000 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

Tgt Ion:128 Resp: 371284
Ion Ratio Lower Upper
128 100
130 32.4 12.2 52.2
64 66.1 46.5 86.5





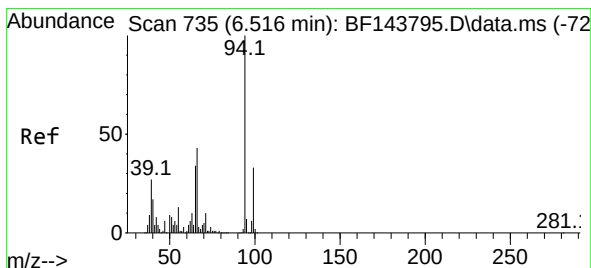
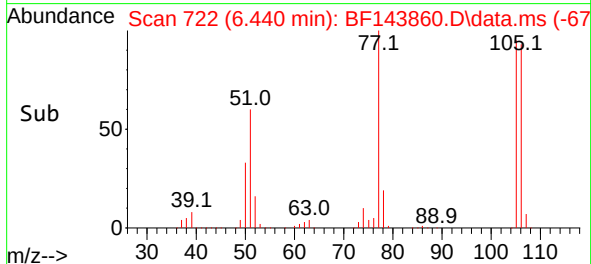
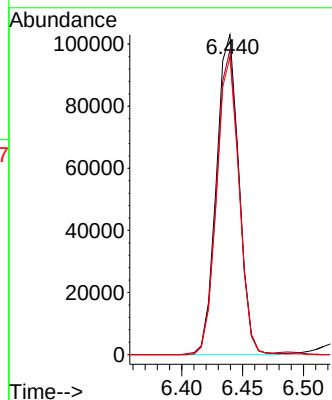
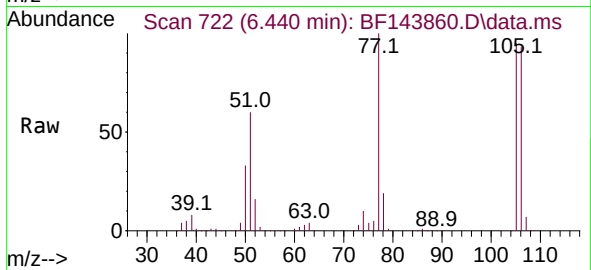
#9
Benzaldehyde
Concen: 17.869 ng
RT: 6.440 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

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

Tgt Ion: 77 Resp: 131934
Ion Ratio Lower Upper
77 100
105 95.2 71.8 111.8
106 93.0 69.8 109.8

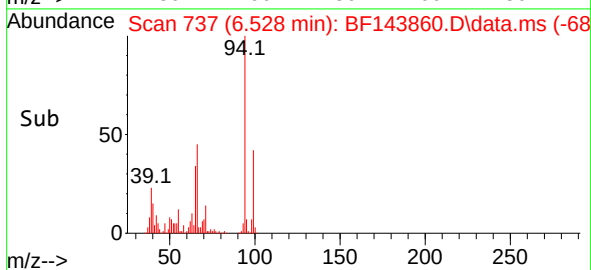
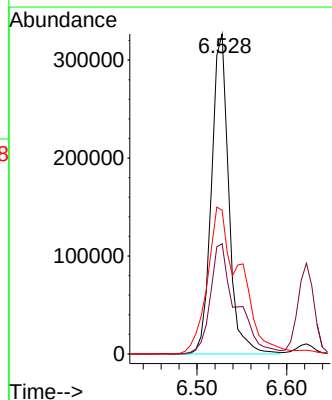
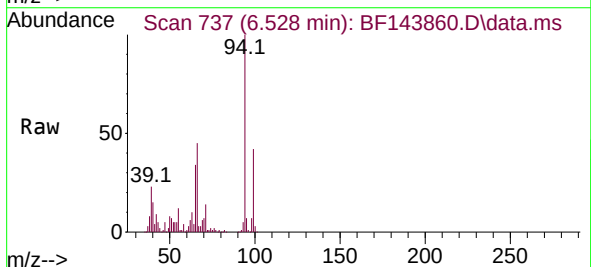
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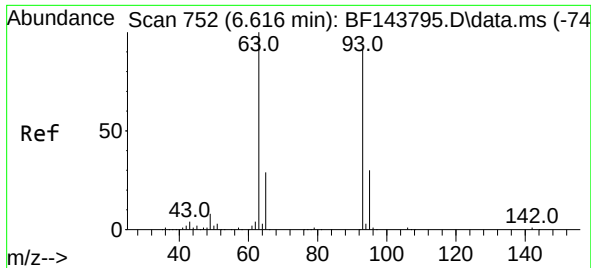
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#10
Phenol
Concen: 44.842 ng
RT: 6.528 min Scan# 737
Delta R.T. 0.000 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

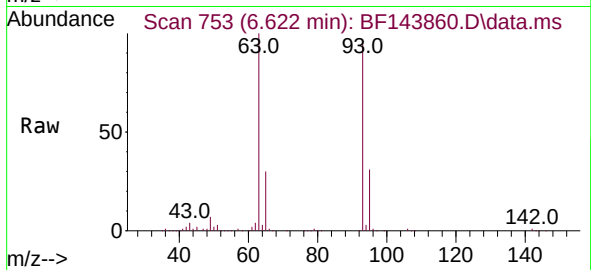
Tgt Ion: 94 Resp: 439461
Ion Ratio Lower Upper
94 100
65 34.4 14.2 54.2
66 44.9 24.1 64.1





#11
bis(2-Chloroethyl)ether
Concen: 48.986 ng
RT: 6.622 min Scan# 752
Delta R.T. 0.000 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

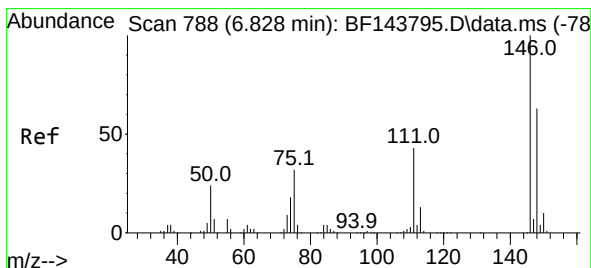
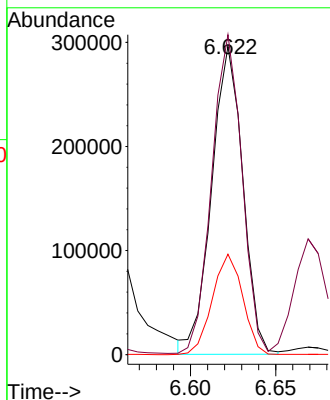
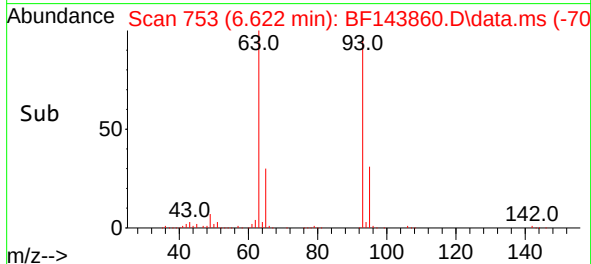
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCM5D



Tgt Ion: 93 Resp: 376320
Ion Ratio Lower Upper
93 100
63 103.8 89.2 129.2
95 32.6 12.9 52.9

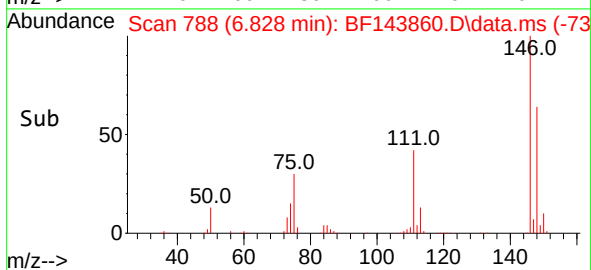
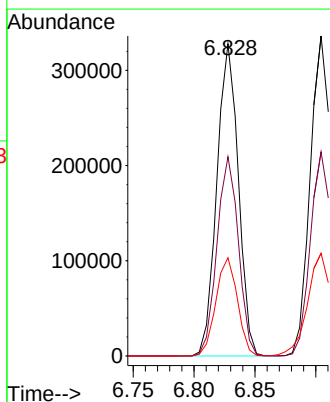
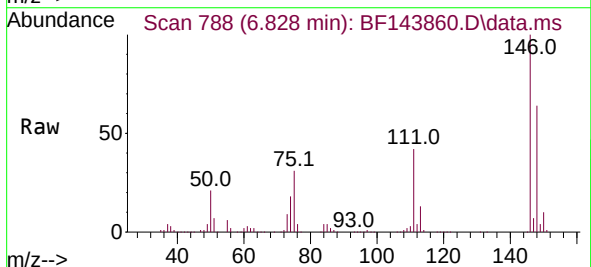
Manual Integrations
APPROVED

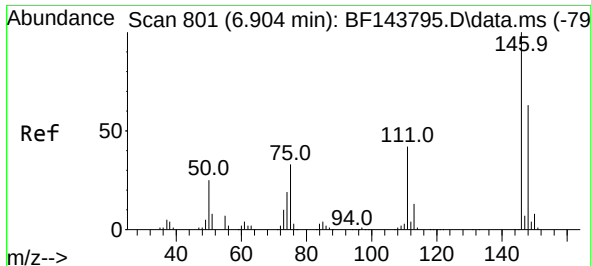
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#12
1,3-Dichlorobenzene
Concen: 46.457 ng
RT: 6.828 min Scan# 788
Delta R.T. 0.000 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

Tgt Ion:146 Resp: 402943
Ion Ratio Lower Upper
146 100
148 63.8 50.4 75.6
75 31.4 25.6 38.4





#13

1,4-Dichlorobenzene

Concen: 46.933 ng

RT: 6.904 min Scan# 801

Delta R.T. 0.000 min

Lab File: BF143860.D

Acq: 02 Oct 2025 17:41

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1-WCMSD

Tgt Ion:146 Resp: 406244

Ion Ratio Lower Upper

146 100

148 63.8 50.7 76.1

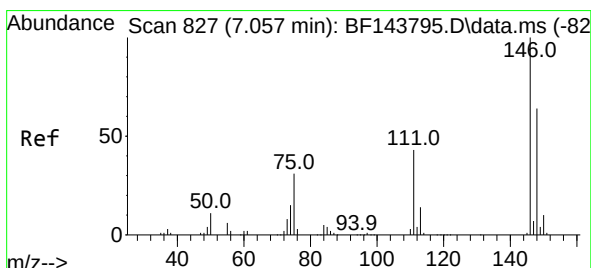
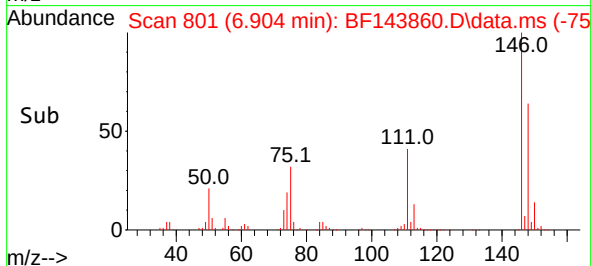
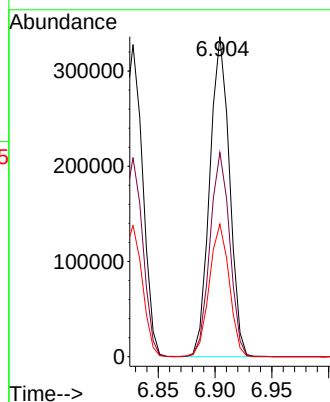
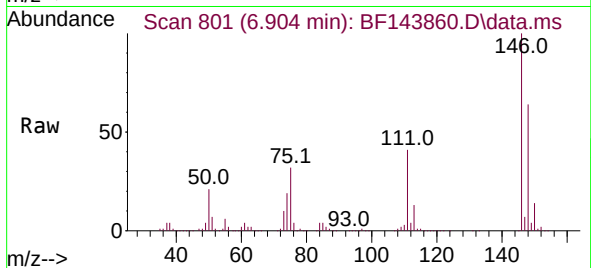
111 41.4 33.4 50.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#14

1,2-Dichlorobenzene

Concen: 47.898 ng

RT: 7.057 min Scan# 827

Delta R.T. 0.000 min

Lab File: BF143860.D

Acq: 02 Oct 2025 17:41

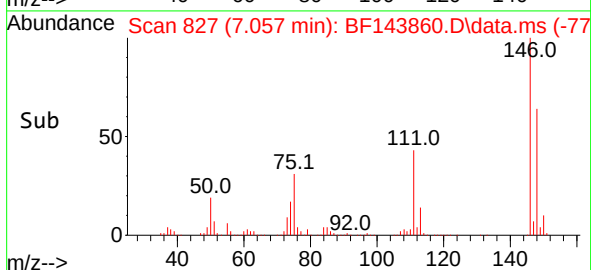
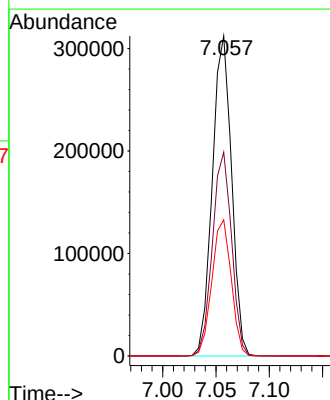
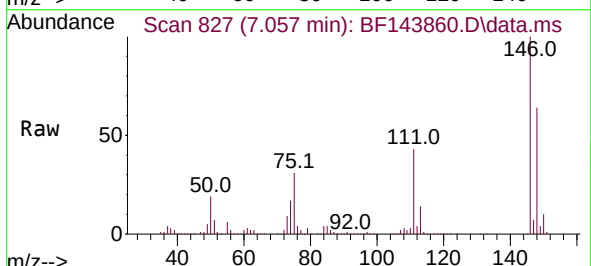
Tgt Ion:146 Resp: 392664

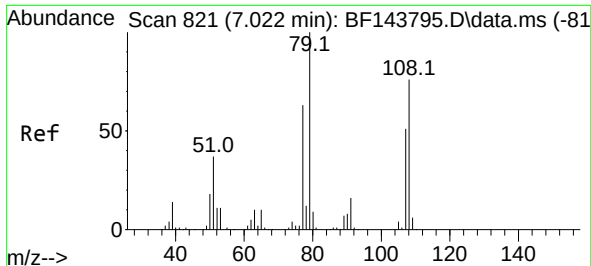
Ion Ratio Lower Upper

146 100

148 63.7 51.1 76.7

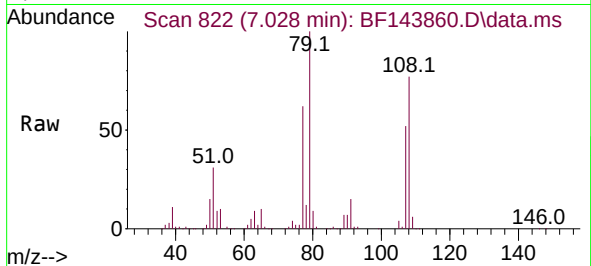
111 42.5 34.3 51.5





#15
Benzyl Alcohol
Concen: 55.786 ng
RT: 7.028 min Scan# 821
Delta R.T. -0.000 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

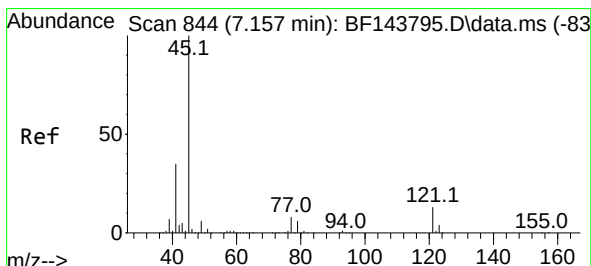
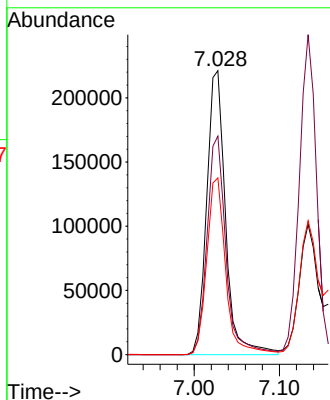
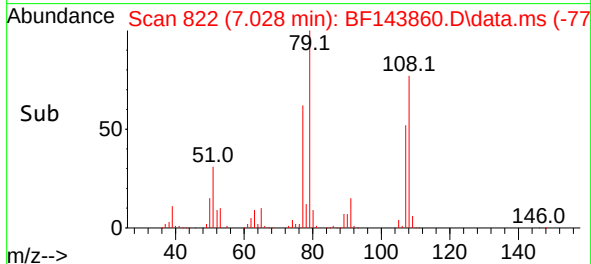
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMSD



Tgt Ion: 79 Resp: 339861
Ion Ratio Lower Upper
79 100
108 77.0 60.5 90.7
77 62.3 50.3 75.5

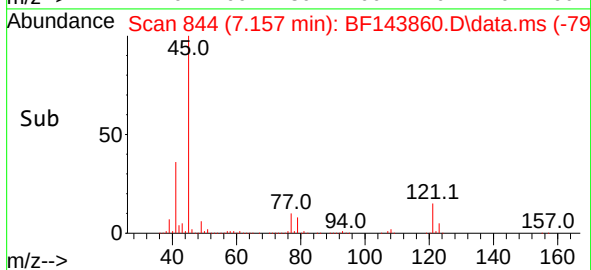
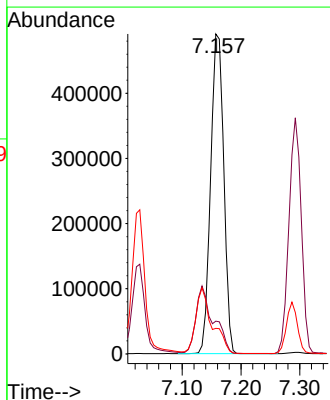
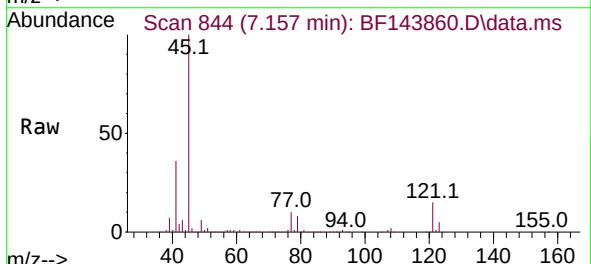
Manual Integrations
APPROVED

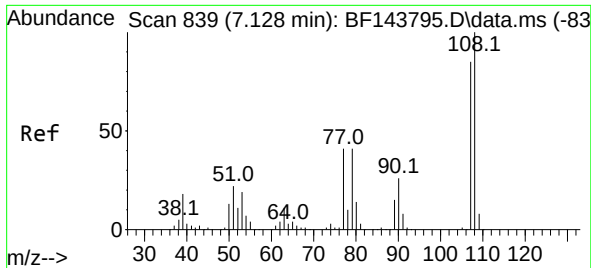
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.704 ng
RT: 7.157 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

Tgt Ion: 45 Resp: 759690
Ion Ratio Lower Upper
45 100
77 10.2 0.0 28.5
79 8.0 0.0 26.3





#17
2-Methylphenol
Concen: 51.078 ng
RT: 7.134 min Scan# 840
Delta R.T. -0.000 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

Instrument :

BNA_F

ClientSampleId :

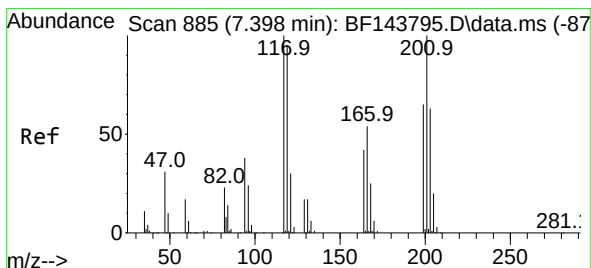
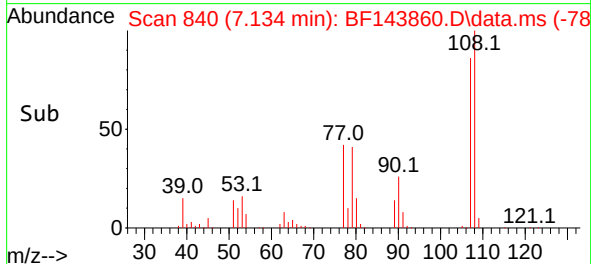
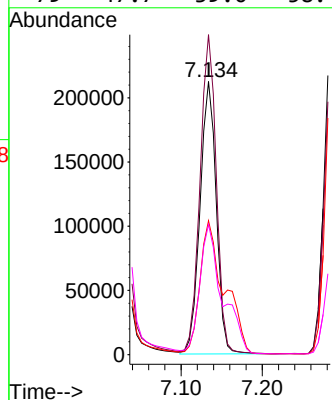
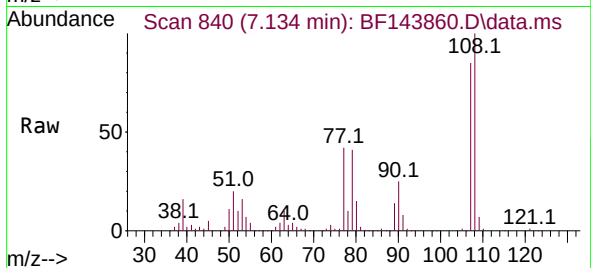
SOIL-PILE-1-WCMUSD

Tgt Ion:107 Resp: 295407
Ion Ratio Lower Upper
107 100
108 117.2 94.2 141.4
77 49.0 38.6 58.0
79 47.7 39.0 58.4

Manual Integrations

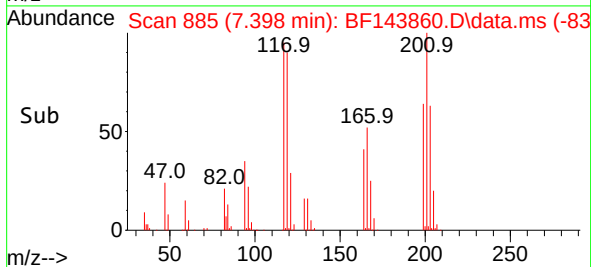
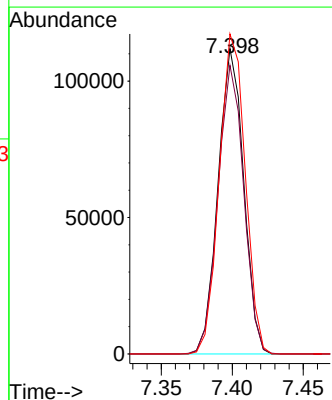
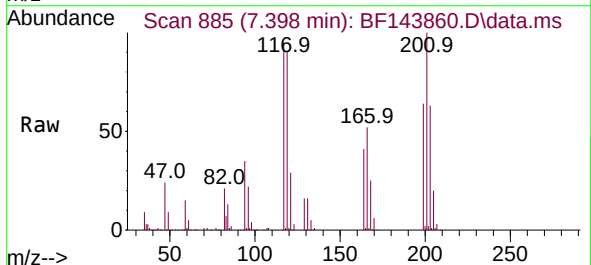
APPROVED

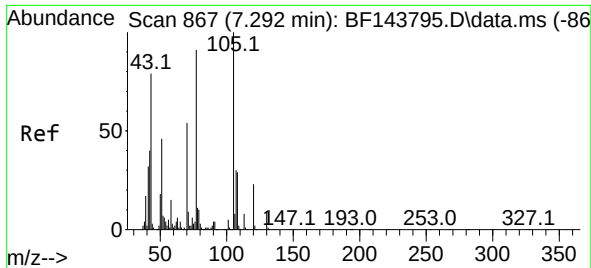
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#18
Hexachloroethane
Concen: 46.124 ng
RT: 7.398 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

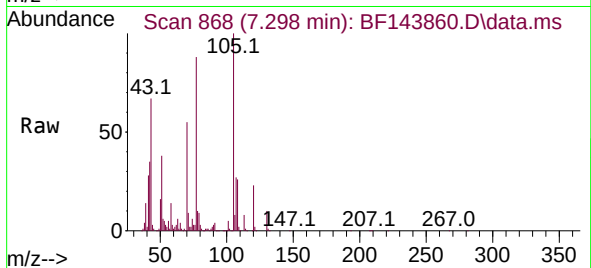
Tgt Ion:117 Resp: 140404
Ion Ratio Lower Upper
117 100
119 94.5 76.2 114.2
201 104.8 79.7 119.5





#19
n-Nitroso-di-n-propylamine
Concen: 49.631 ng
RT: 7.298 min Scan# 867
Delta R.T. -0.006 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

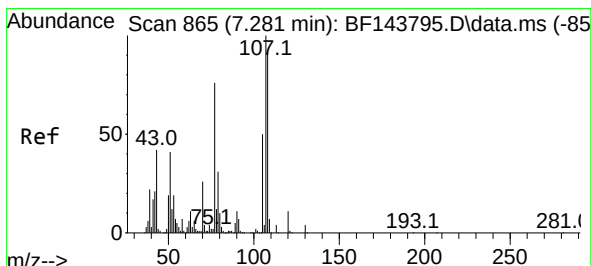
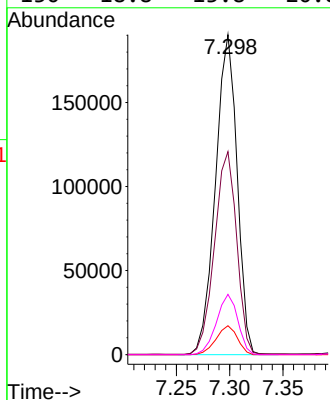
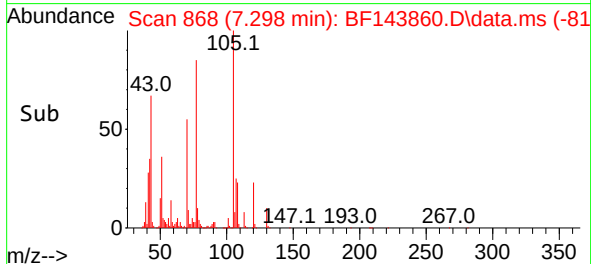
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMSD



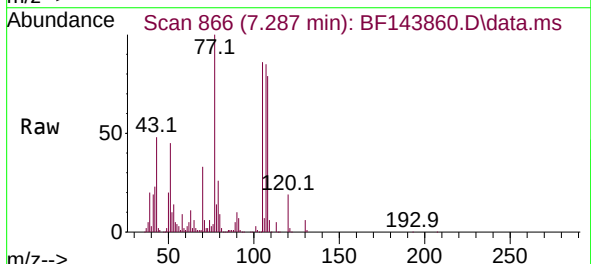
Tgt Ion: 70 Resp: 269089
Ion Ratio Lower Upper
70 100
42 63.4 59.4 89.0
101 9.0 7.1 10.7
130 18.8 13.8 20.8

Manual Integrations
APPROVED

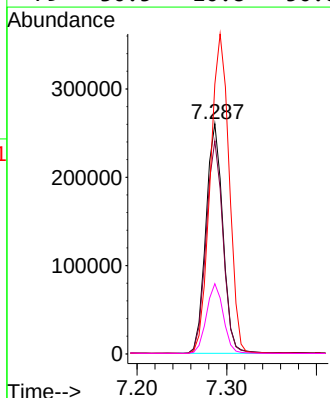
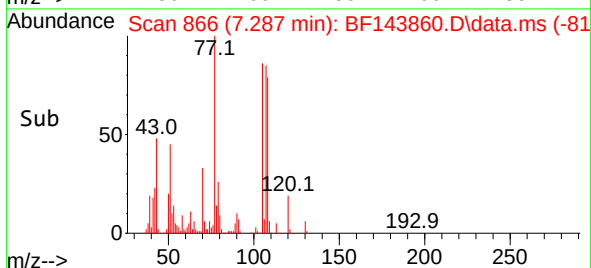
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

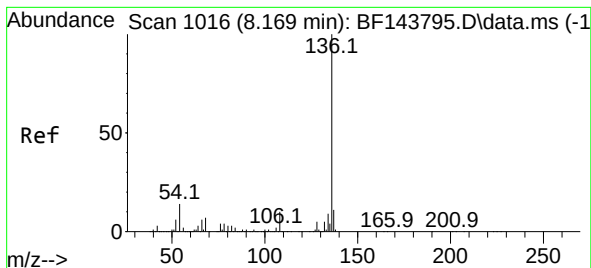


#20
3+4-Methylphenols
Concen: 48.565 ng
RT: 7.287 min Scan# 866
Delta R.T. 0.000 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41



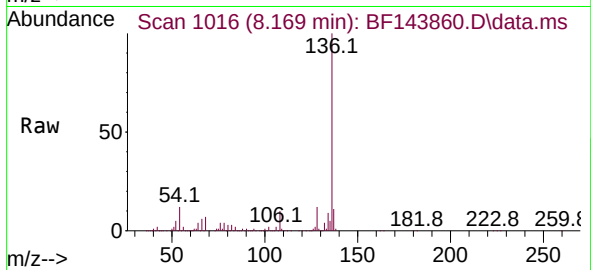
Tgt Ion:107 Resp: 342050
Ion Ratio Lower Upper
107 100
108 92.6 72.5 112.5
77 117.2 56.2 96.2#
79 30.5 10.8 50.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.000 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

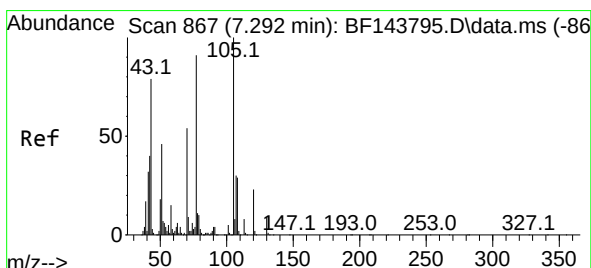
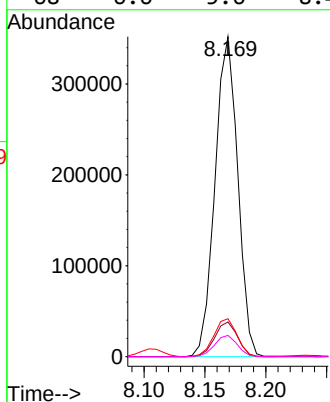
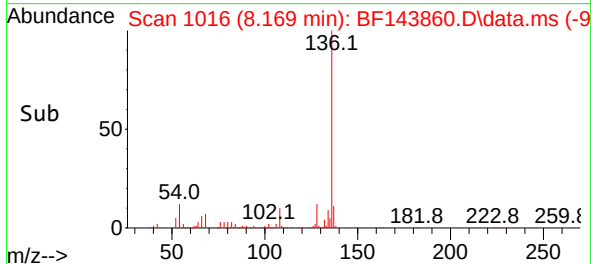
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMSD



Tgt Ion:136 Resp: 457490
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 11.8 11.2 16.8
68 6.6 5.6 8.4

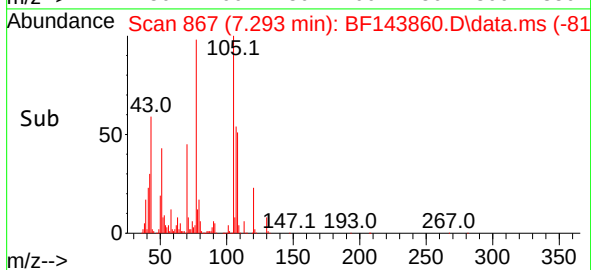
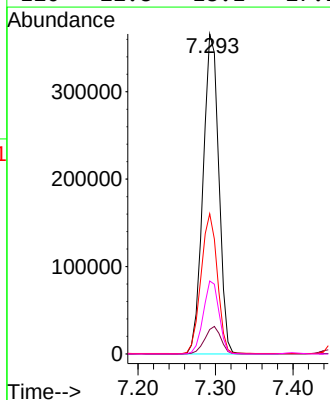
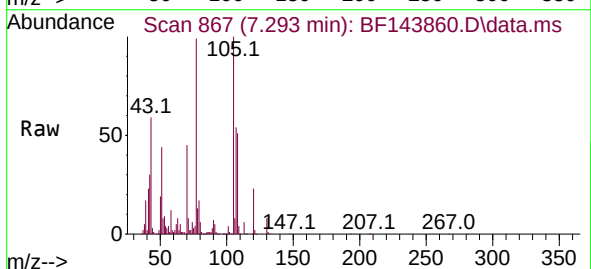
Manual Integrations
APPROVED

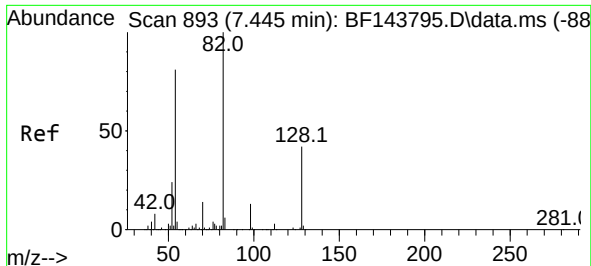
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#22
Acetophenone
Concen: 51.433 ng
RT: 7.293 min Scan# 867
Delta R.T. -0.006 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

Tgt Ion:105 Resp: 516809
Ion Ratio Lower Upper
105 100
71 7.6 7.0 10.4
51 43.8 36.6 55.0
120 22.8 18.1 27.1





#23

Nitrobenzene-d5

Concen: 98.121 ng

RT: 7.445 min Scan# 893

Delta R.T. -0.006 min

Lab File: BF143860.D

Acq: 02 Oct 2025 17:41

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1-WCMUSD

Tgt Ion: 82 Resp: 733349

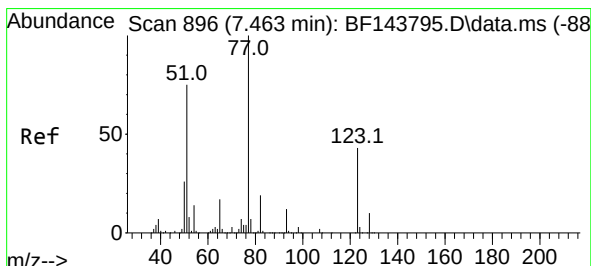
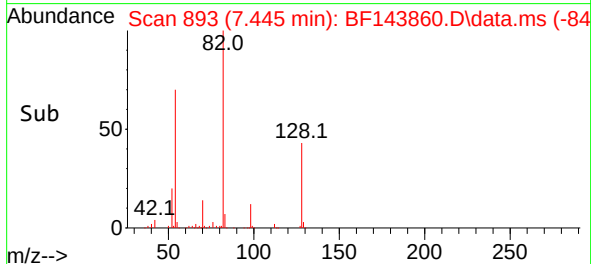
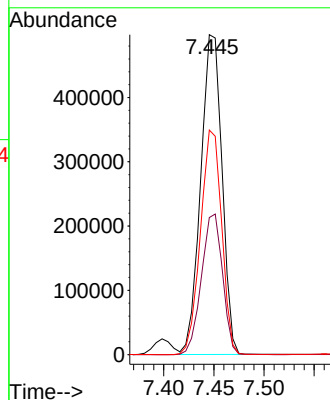
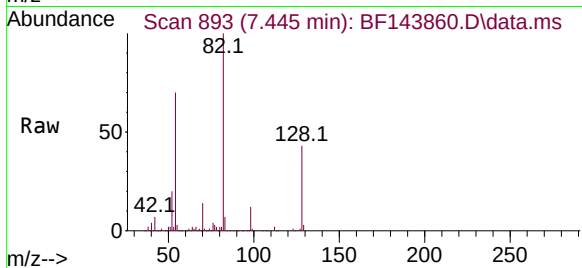
Ion	Ratio	Lower	Upper
82	100		
128	42.8	33.3	49.9
54	70.2	64.2	96.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#24

Nitrobenzene

Concen: 48.789 ng

RT: 7.469 min Scan# 897

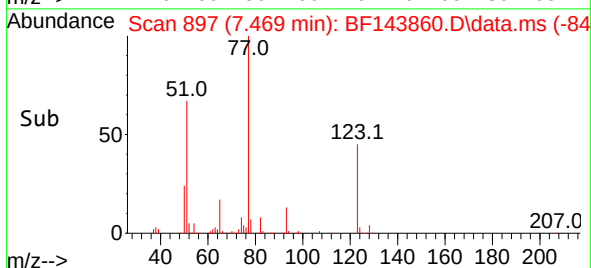
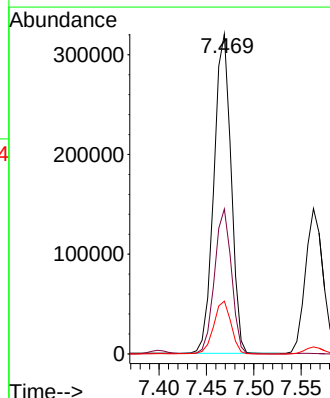
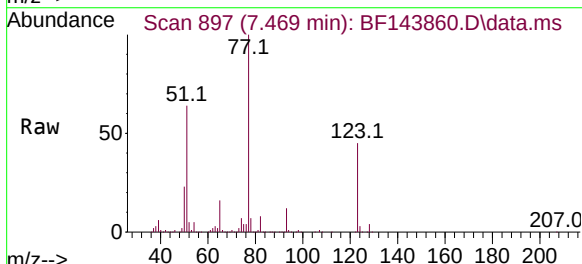
Delta R.T. -0.006 min

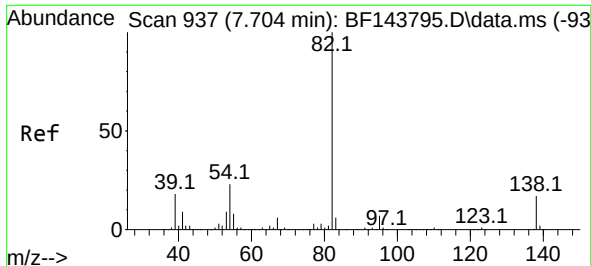
Lab File: BF143860.D

Acq: 02 Oct 2025 17:41

Tgt Ion: 77 Resp: 404178

Ion	Ratio	Lower	Upper
77	100		
123	45.3	34.0	51.0
65	16.5	13.5	20.3





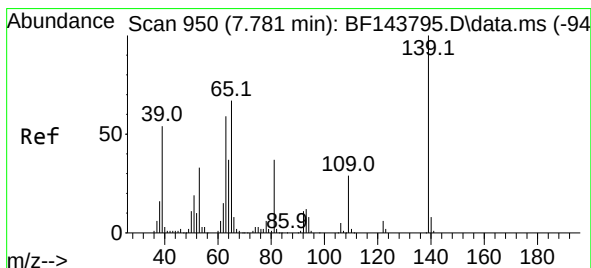
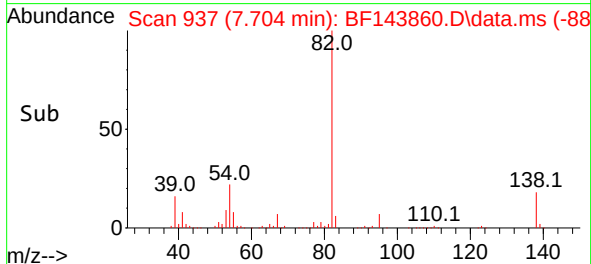
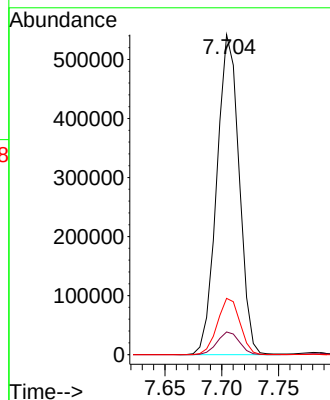
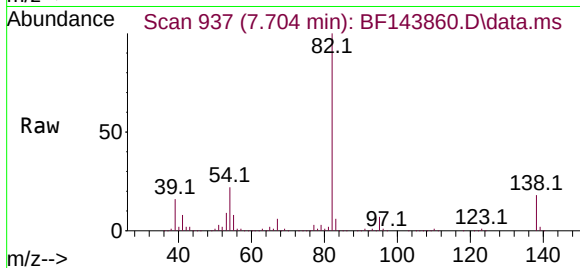
#25
Isophorone
Concen: 50.952 ng
RT: 7.704 min Scan# 937
Delta R.T. -0.006 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

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

Tgt Ion: 82 Resp: 742074
Ion Ratio Lower Upper
82 100
95 7.1 5.4 8.2
138 17.6 13.7 20.5

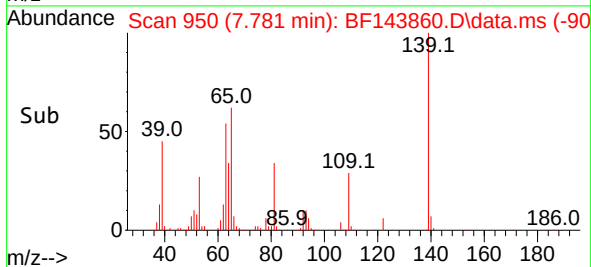
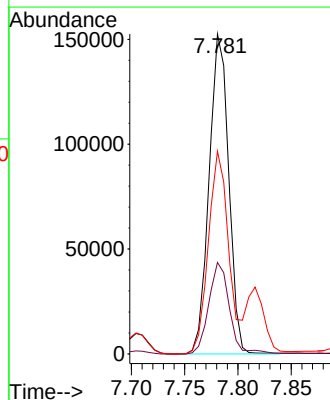
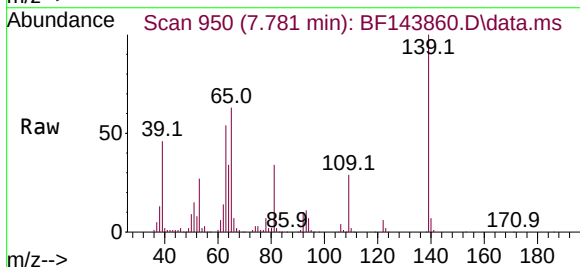
Manual Integrations
APPROVED

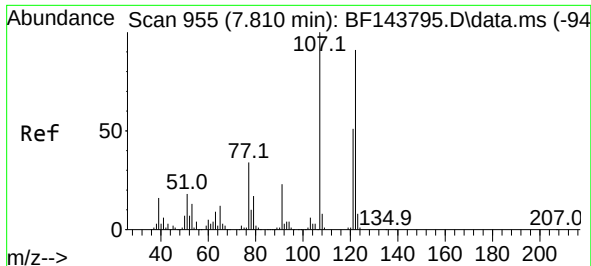
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#26
2-Nitrophenol
Concen: 56.908 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.005 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

Tgt Ion:139 Resp: 195364
Ion Ratio Lower Upper
139 100
109 28.6 23.3 34.9
65 63.3 53.8 80.6





#27

2,4-Dimethylphenol

Concen: 53.917 ng

RT: 7.816 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF143860.D

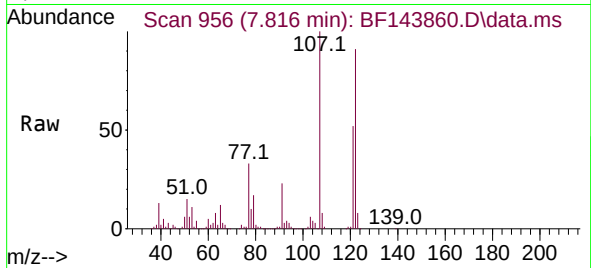
Acq: 02 Oct 2025 17:41

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1-WCMSD



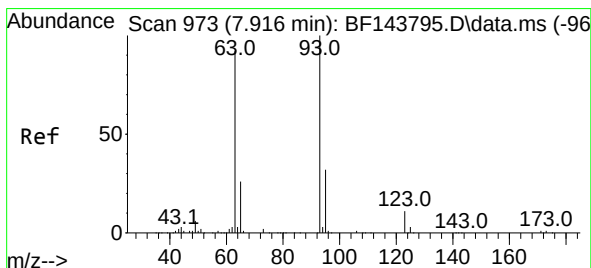
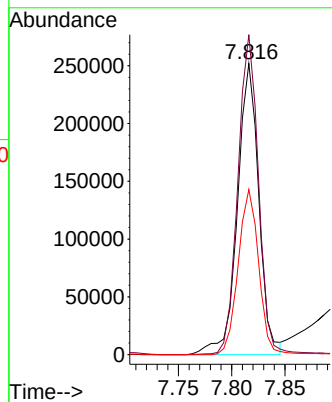
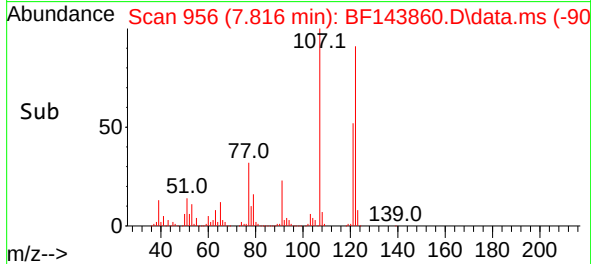
Tgt Ion:	122	Resp:	350985
Ion Ratio	Lower	Upper	
122	100		
107	109.9	87.5	131.3
121	56.7	44.2	66.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#28

bis(2-Chloroethoxy)methane

Concen: 48.229 ng

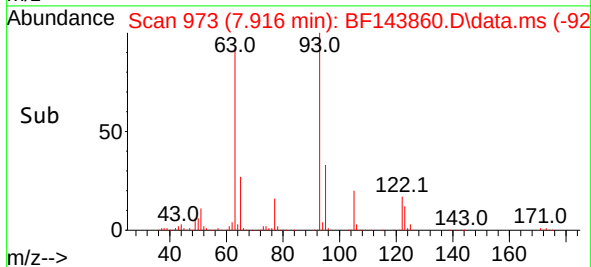
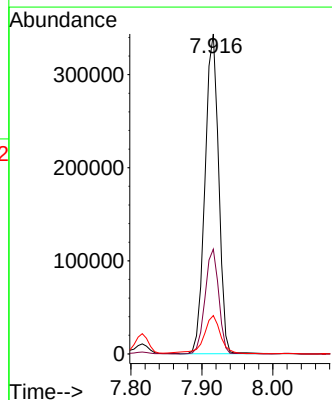
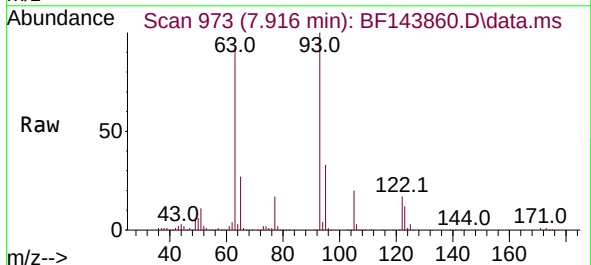
RT: 7.916 min Scan# 973

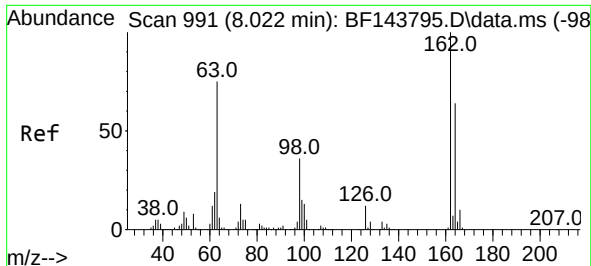
Delta R.T. 0.000 min

Lab File: BF143860.D

Acq: 02 Oct 2025 17:41

Tgt Ion:	93	Resp:	456356
Ion Ratio	Lower	Upper	
93	100		
95	32.7	25.8	38.8
123	12.0	8.8	13.2





#29

2,4-Dichlorophenol

Concen: 51.461 ng

RT: 8.022 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF143860.D

Acq: 02 Oct 2025 17:41

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1-WCMSD

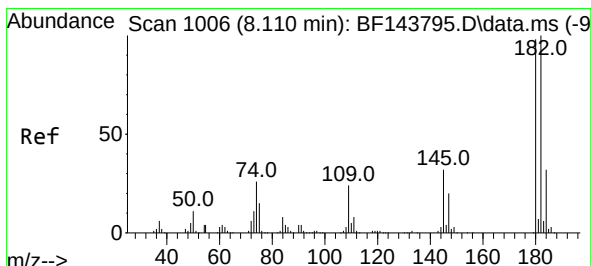
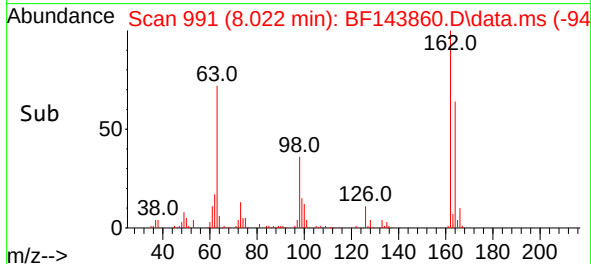
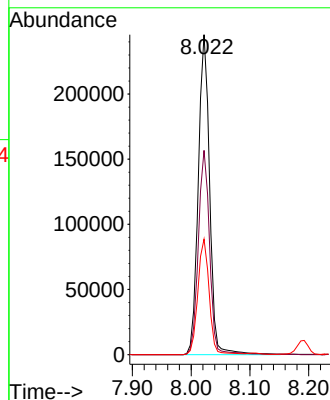
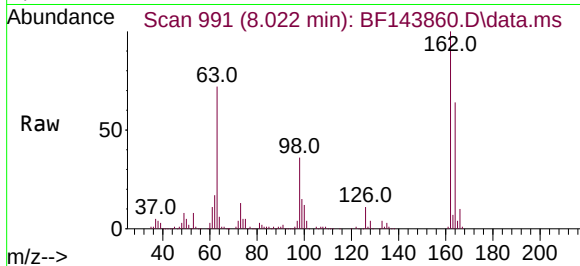
Tgt Ion:162	Resp: 329624
Ion Ratio	Lower Upper
162 100	
164 63.8	44.1 84.1
98 36.1	15.8 55.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#30

1,2,4-Trichlorobenzene

Concen: 50.589 ng

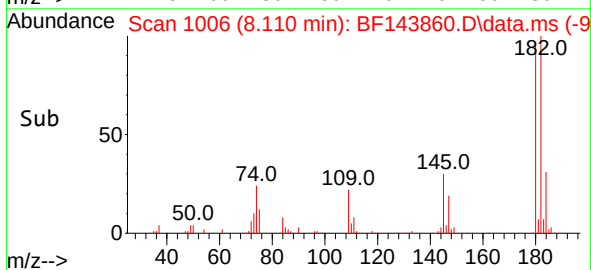
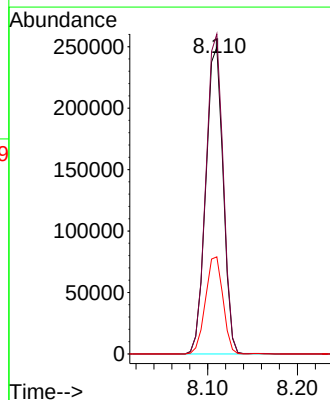
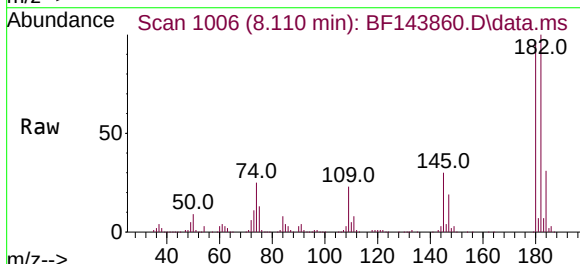
RT: 8.110 min Scan# 1006

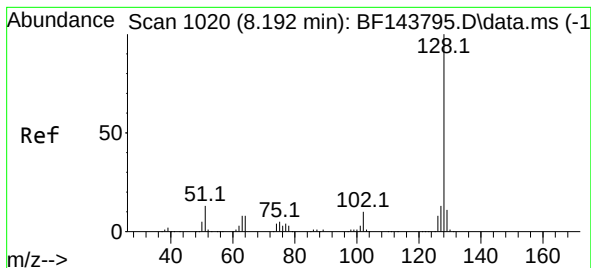
Delta R.T. 0.000 min

Lab File: BF143860.D

Acq: 02 Oct 2025 17:41

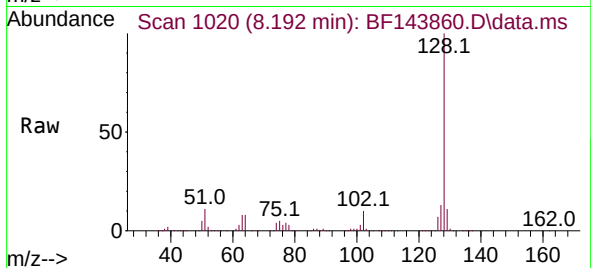
Tgt Ion:180	Resp: 336279
Ion Ratio	Lower Upper
180 100	
182 104.3	82.0 123.0
145 31.6	25.9 38.9





#31
Naphthalene
Concen: 47.449 ng
RT: 8.192 min Scan# 1020
Delta R.T. 0.000 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

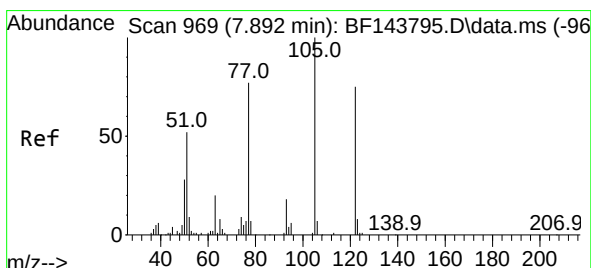
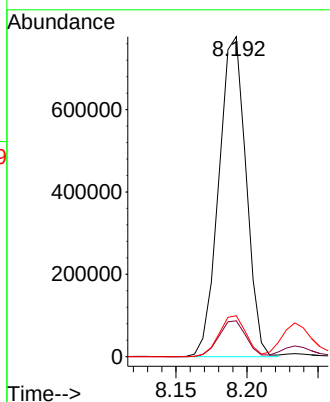
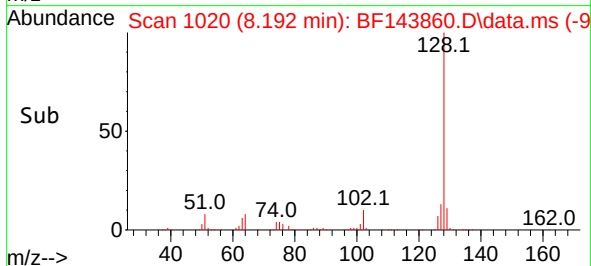
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMSD



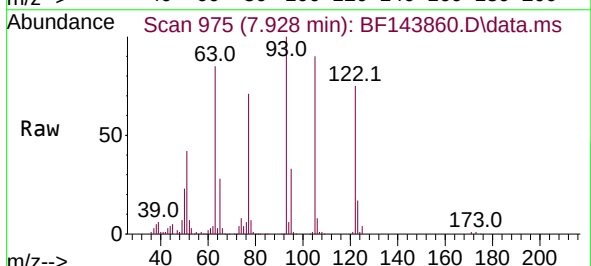
Tgt Ion:128 Resp: 103915
Ion Ratio Lower Upper
128 100
129 11.2 8.8 13.2
127 12.8 10.2 15.4

Manual Integrations
APPROVED

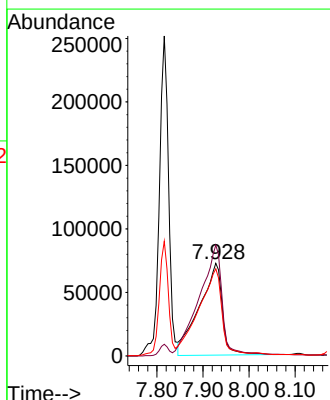
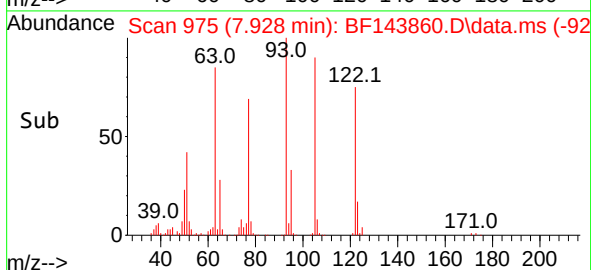
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

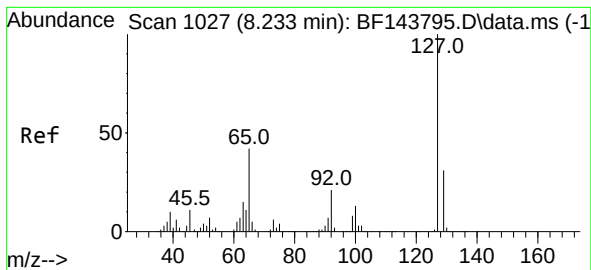


#32
Benzoic acid
Concen: 79.609 ng
RT: 7.928 min Scan# 975
Delta R.T. 0.006 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41



Tgt Ion:122 Resp: 250034
Ion Ratio Lower Upper
122 100
105 119.8 103.7 143.7
77 94.2 78.8 118.8





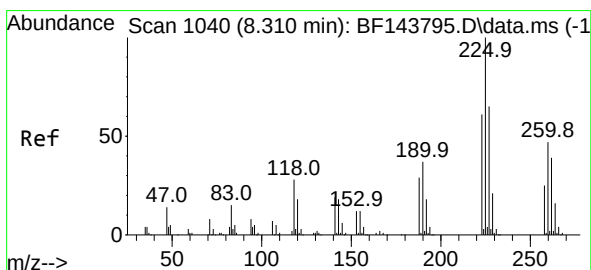
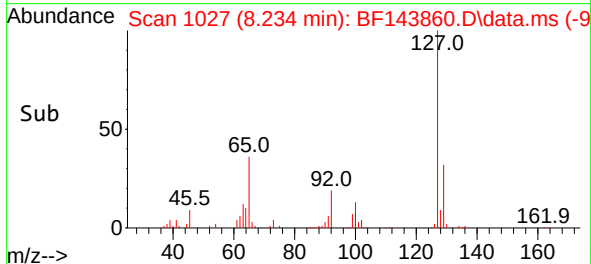
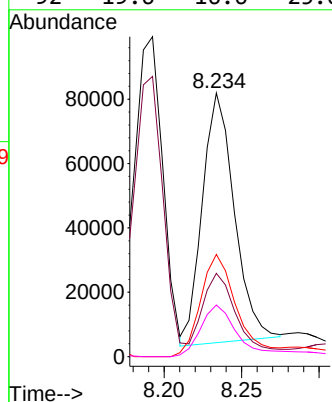
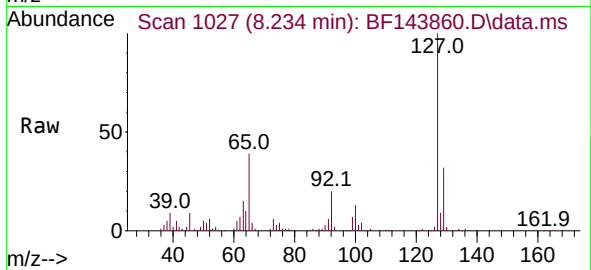
#33
4-Chloroaniline
Concen: 14.512 ng
RT: 8.234 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

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

Tgt Ion:	127	Resp:	11168
Ion Ratio	Lower	Upper	
127	100		
129	31.6	25.4	38.2
65	38.8	33.4	50.2
92	19.6	16.6	25.0

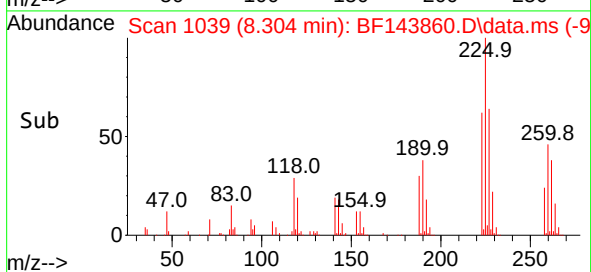
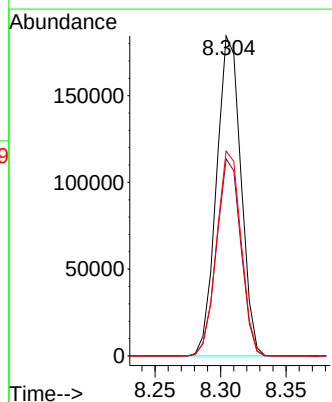
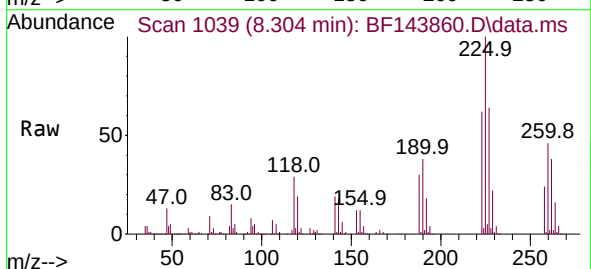
Manual Integrations
APPROVED

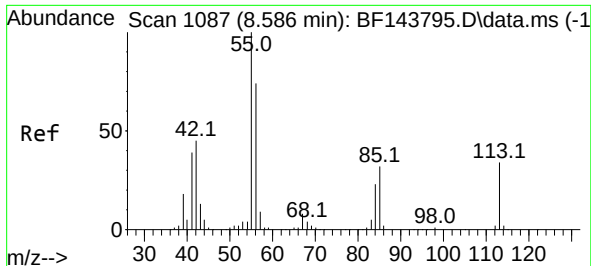
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#34
Hexachlorobutadiene
Concen: 48.168 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

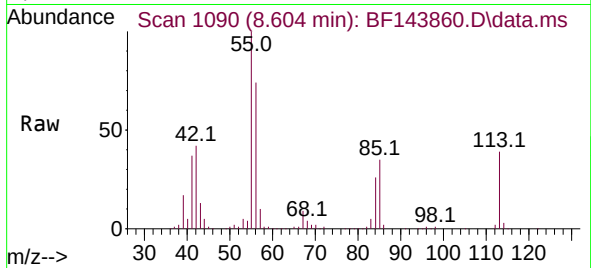
Tgt Ion:	225	Resp:	238688
Ion Ratio	Lower	Upper	
225	100		
223	61.6	48.6	72.8
227	64.0	51.9	77.9





#35
Caprolactam
Concen: 55.656 ng m
RT: 8.604 min Scan# 1087
Delta R.T. -0.006 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

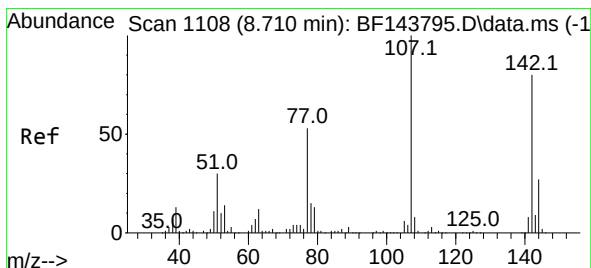
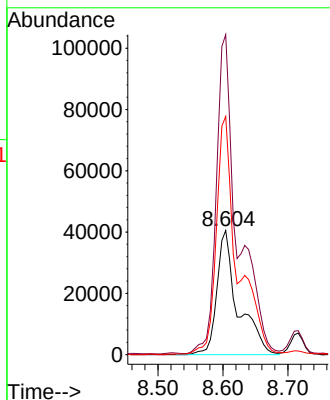
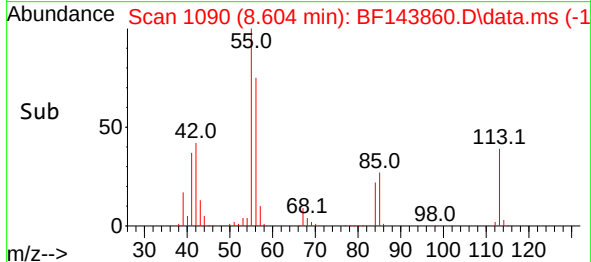
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMSD



Tgt Ion:113 Resp: 91120
Ion Ratio Lower Upper
113 100
55 257.9 271.7 311.7
56 192.0 194.5 234.5

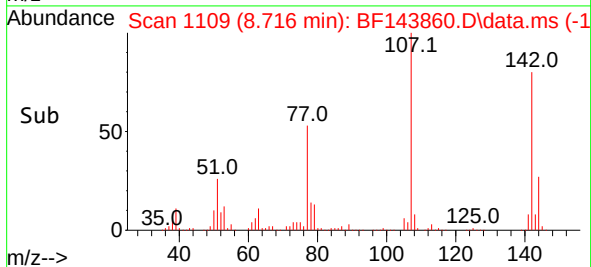
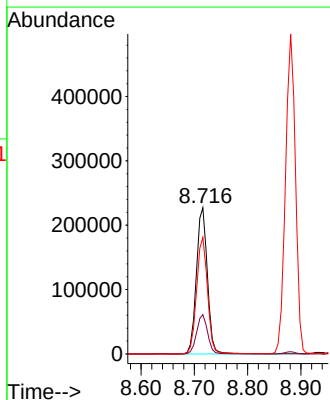
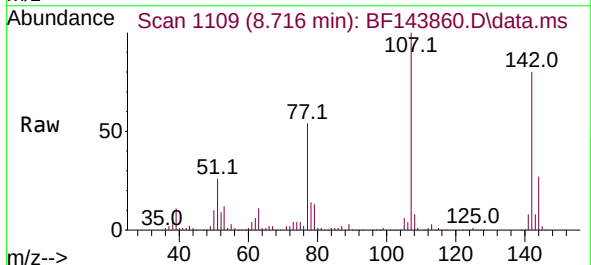
Manual Integrations
APPROVED

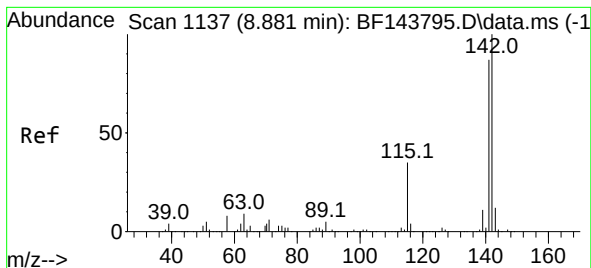
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#36
4-Chloro-3-methylphenol
Concen: 54.146 ng
RT: 8.716 min Scan# 1109
Delta R.T. 0.006 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

Tgt Ion:107 Resp: 325274
Ion Ratio Lower Upper
107 100
144 26.9 21.8 32.8
142 79.7 63.6 95.4





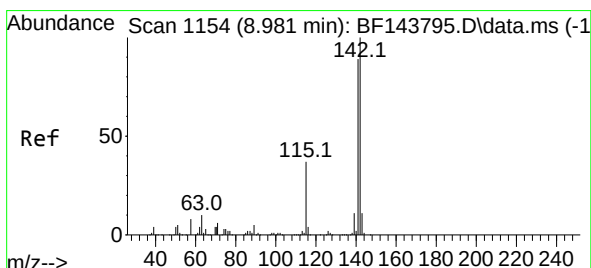
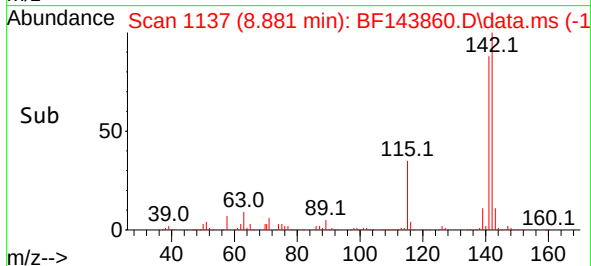
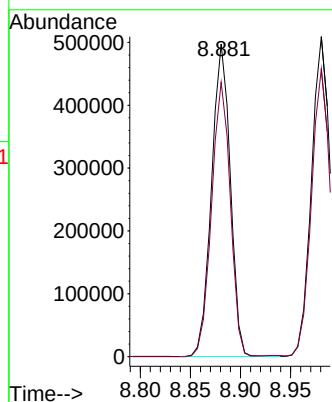
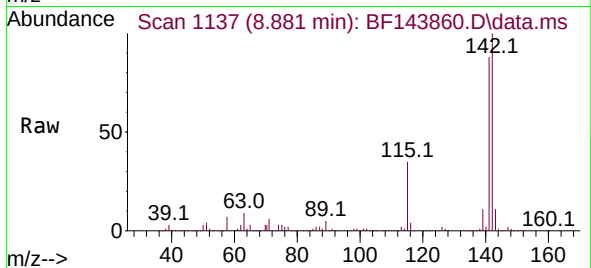
#37
2-Methylnaphthalene
Concen: 46.233 ng
RT: 8.881 min Scan# 1137
Delta R.T. 0.000 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

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

Tgt Ion:142 Resp: 64564
Ion Ratio Lower Upper
142 100
141 87.8 69.4 104.0

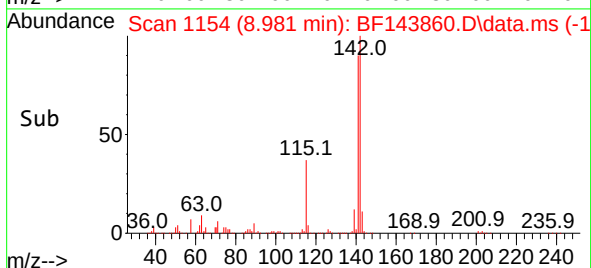
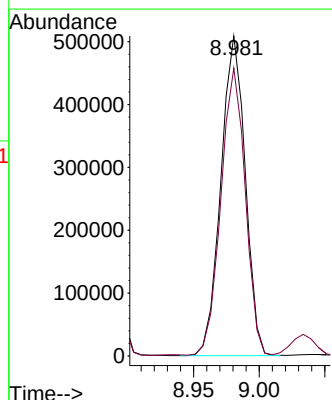
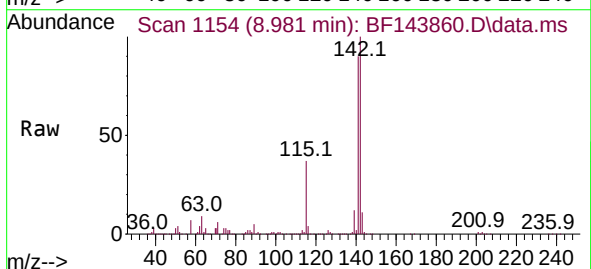
Manual Integrations
APPROVED

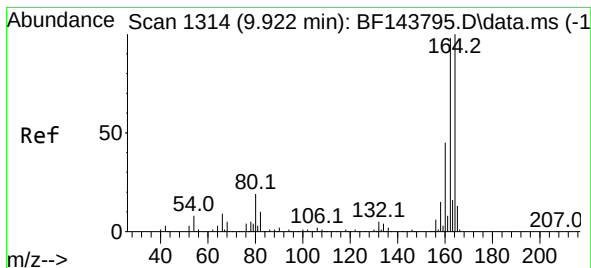
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#38
1-Methylnaphthalene
Concen: 49.313 ng
RT: 8.981 min Scan# 1154
Delta R.T. 0.000 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

Tgt Ion:142 Resp: 659154
Ion Ratio Lower Upper
142 100
141 89.9 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: BF143860.D

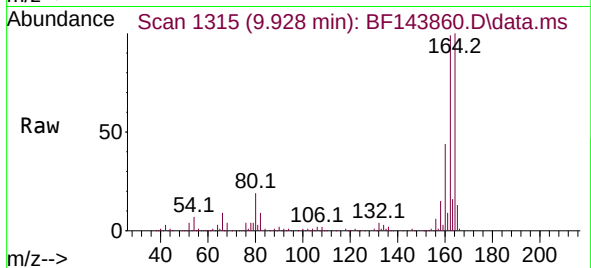
Acq: 02 Oct 2025 17:41

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1-WCMSD



Tgt Ion:164 Resp: 245435

Ion Ratio Lower Upper

164 100

162 99.4 78.8 118.2

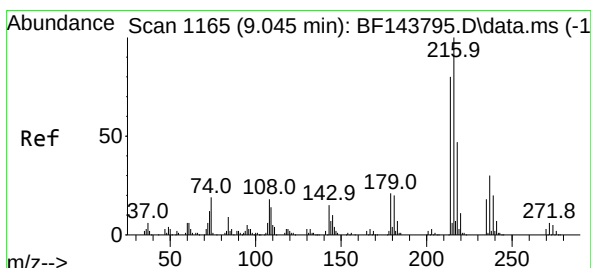
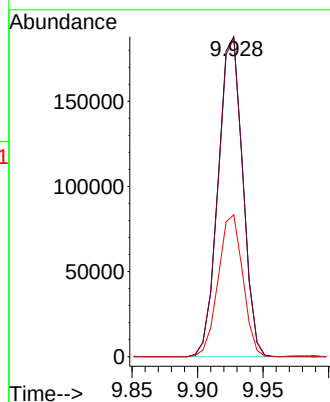
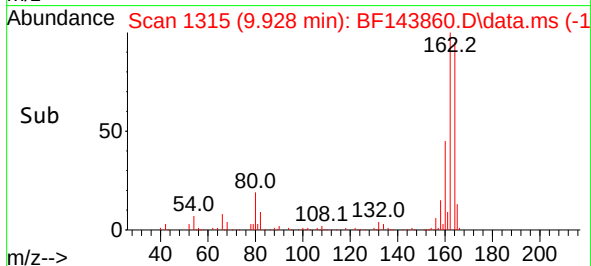
160 44.3 35.8 53.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 51.698 ng

RT: 9.045 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF143860.D

Acq: 02 Oct 2025 17:41

Tgt Ion:216 Resp: 382914

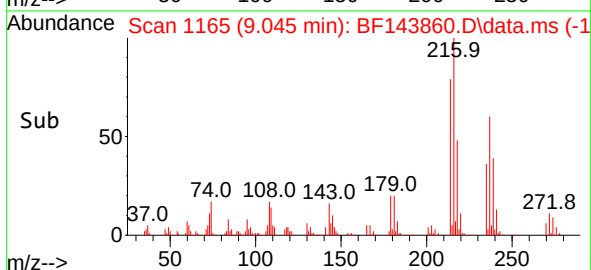
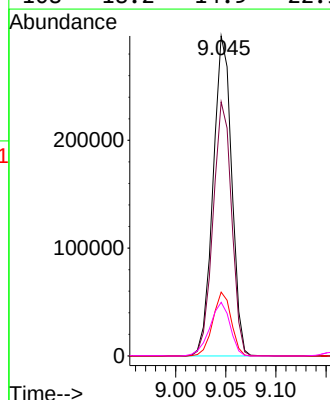
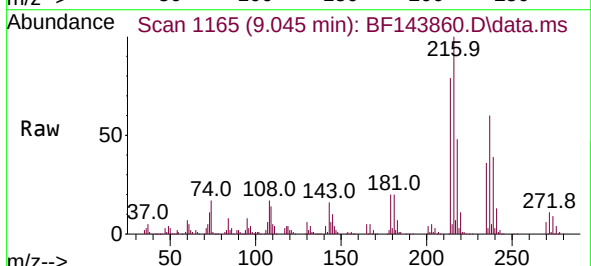
Ion Ratio Lower Upper

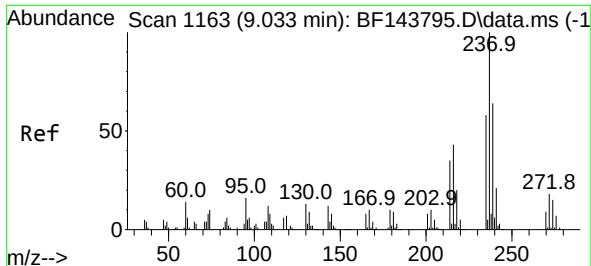
216 100

214 79.1 63.7 95.5

179 19.6 16.5 24.7

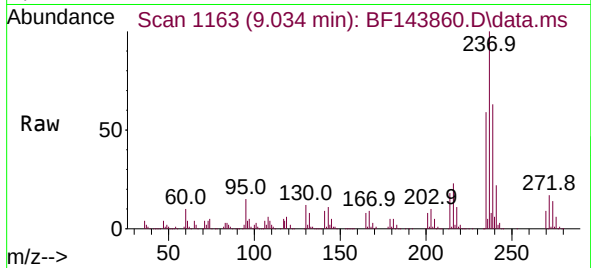
108 18.2 14.9 22.3





#41
Hexachlorocyclopentadiene
Concen: 107.546 ng
RT: 9.034 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

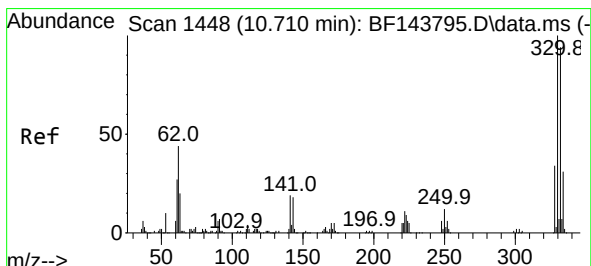
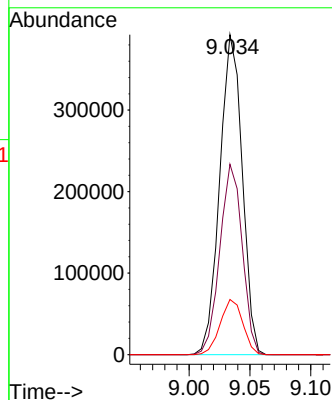
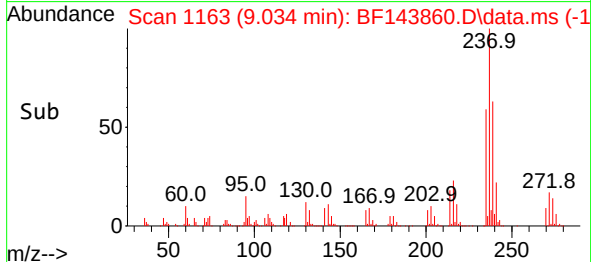
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMSD



Tgt Ion:237 Resp: 504845
Ion Ratio Lower Upper
237 100
235 59.5 38.1 78.1
272 17.2 0.0 37.9

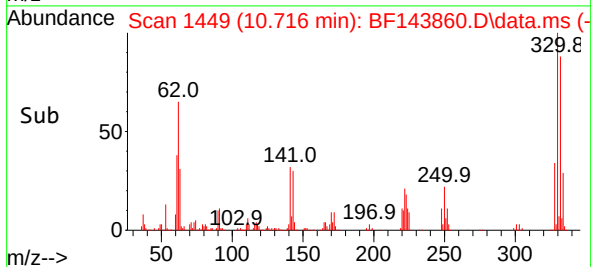
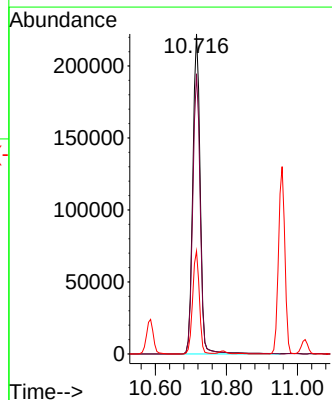
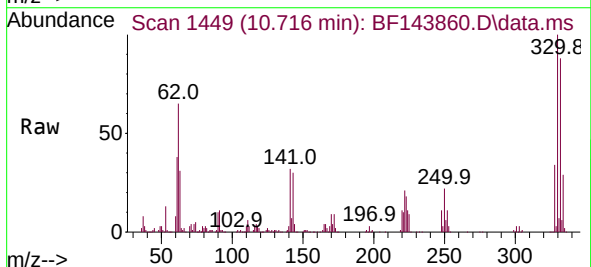
Manual Integrations
APPROVED

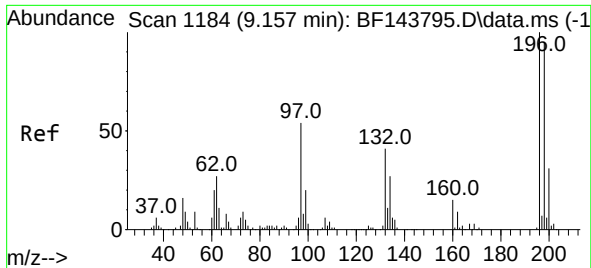
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#42
2,4,6-Tribromophenol
Concen: 88.689 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

Tgt Ion:330 Resp: 322300
Ion Ratio Lower Upper
330 100
332 88.0 74.7 112.1
141 29.2 14.3 21.5#





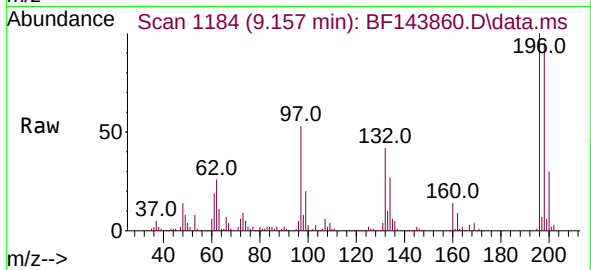
#43
2,4,6-Trichlorophenol
Concen: 52.869 ng
RT: 9.157 min Scan# 1184
Delta R.T. 0.000 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1-WCMSD

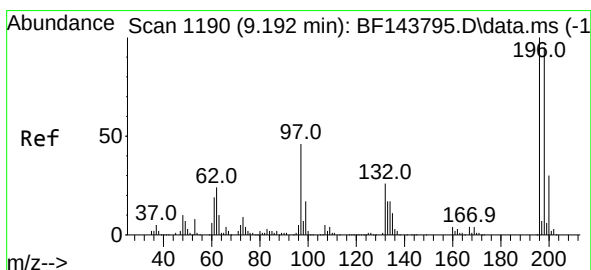
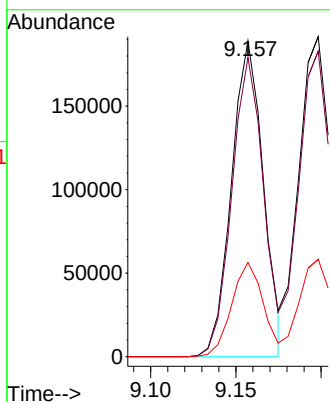
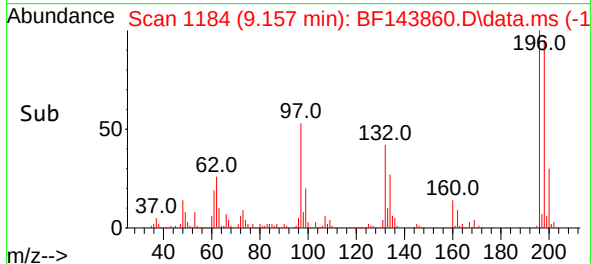


Tgt Ion:196 Resp: 245202
Ion Ratio Lower Upper
196 100
198 94.7 76.2 114.2
200 29.8 24.7 37.1

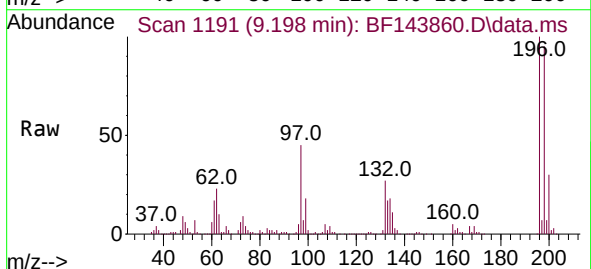
Manual Integrations

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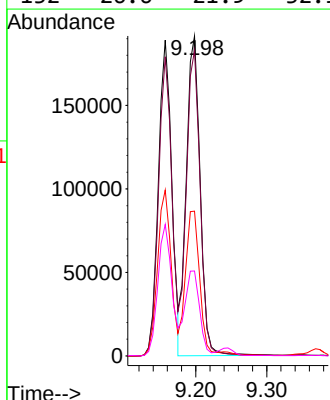
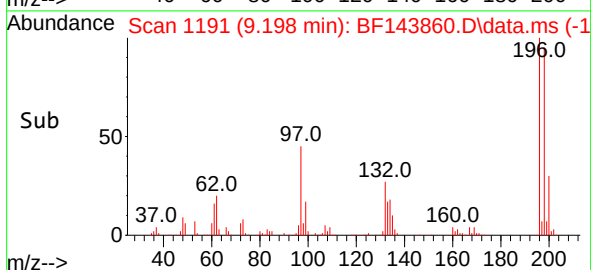
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

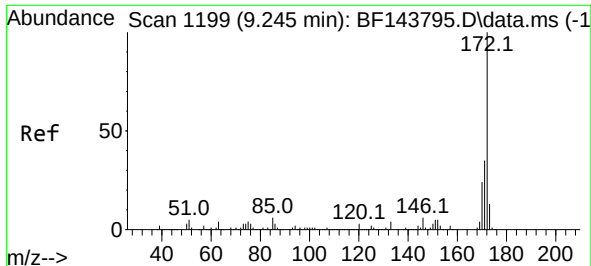


#44
2,4,5-Trichlorophenol
Concen: 53.706 ng
RT: 9.198 min Scan# 1191
Delta R.T. 0.006 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41



Tgt Ion:196 Resp: 260533
Ion Ratio Lower Upper
196 100
198 95.5 75.9 113.9
97 45.2 38.3 57.5
132 26.6 21.9 32.9





#45

2-Fluorobiphenyl

Concen: 90.575 ng

RT: 9.245 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF143860.D

Acq: 02 Oct 2025 17:41

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1-WCMSD

Tgt Ion:172 Resp: 1424560

Ion Ratio Lower Upper

172 100

171 34.9 27.9 41.9

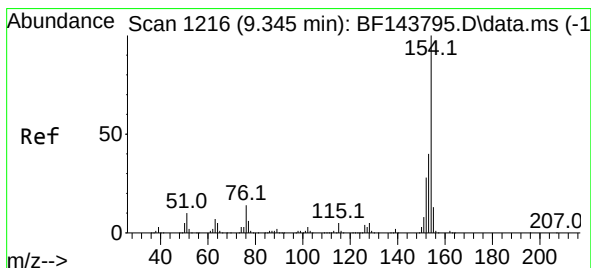
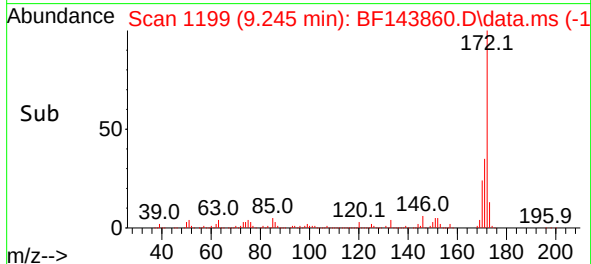
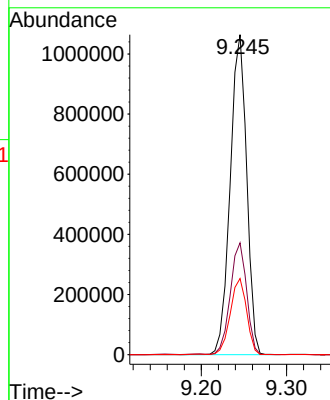
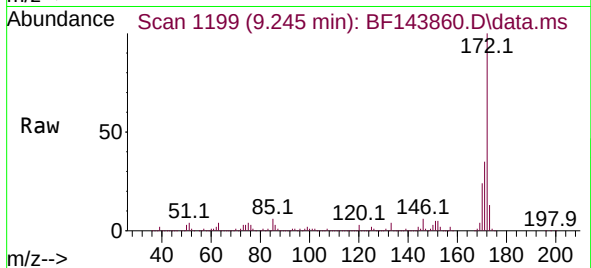
170 23.8 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#46

1,1'-Biphenyl

Concen: 52.603 ng

RT: 9.345 min Scan# 1216

Delta R.T. 0.000 min

Lab File: BF143860.D

Acq: 02 Oct 2025 17:41

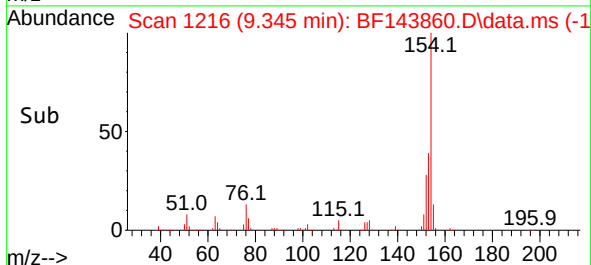
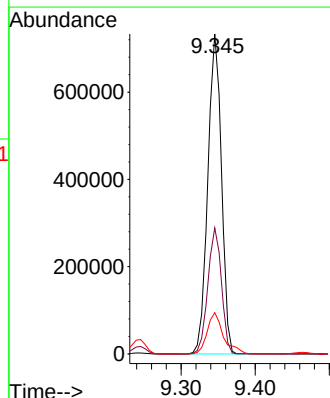
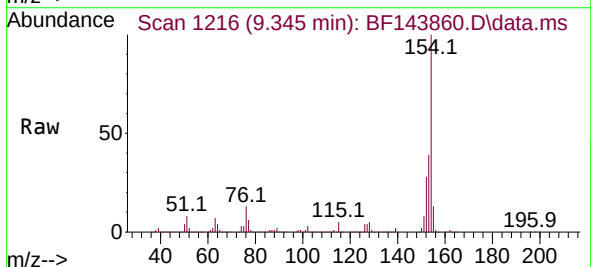
Tgt Ion:154 Resp: 934558

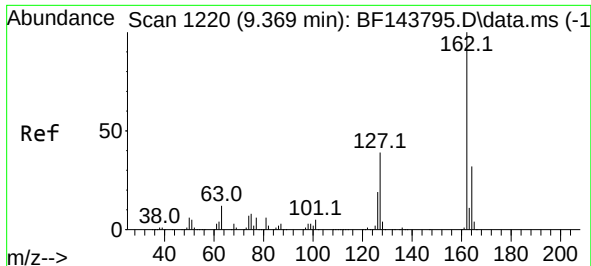
Ion Ratio Lower Upper

154 100

153 39.4 19.7 59.7

76 12.9 0.0 33.8





#47

2-Chloronaphthalene

Concen: 47.249 ng

RT: 9.369 min Scan# 1220

Delta R.T. -0.006 min

Lab File: BF143860.D

Acq: 02 Oct 2025 17:41

Instrument :

BNA_F

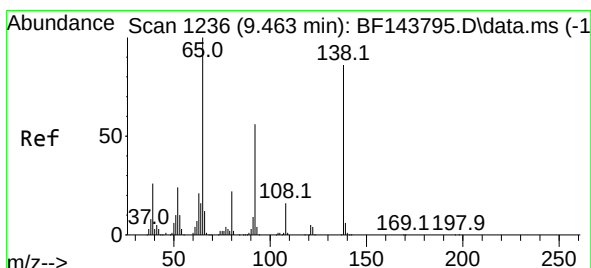
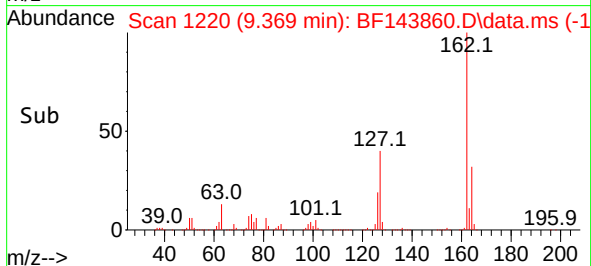
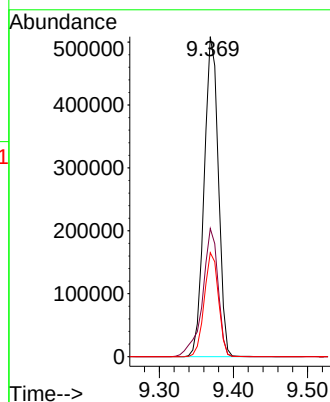
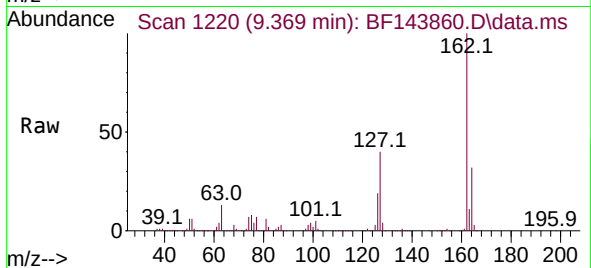
ClientSampleId :

SOIL-PILE-1-WCMSD

Tgt Ion:162 Resp: 675714
 Ion Ratio Lower Upper
 162 100
 127 40.0 31.5 47.3
 164 32.5 25.9 38.9

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



#48

2-Nitroaniline

Concen: 60.200 ng

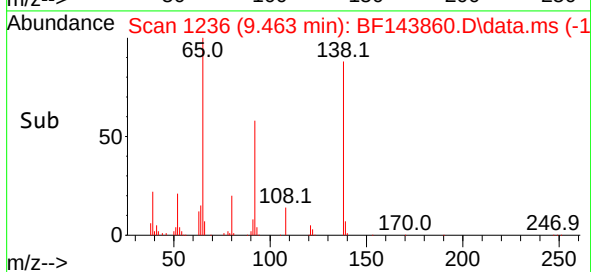
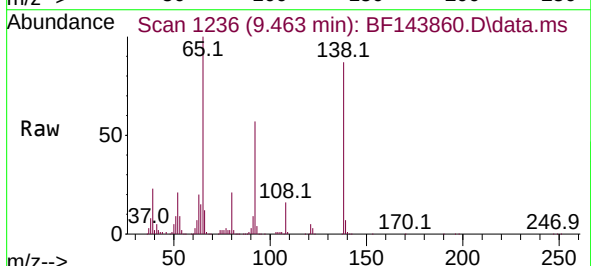
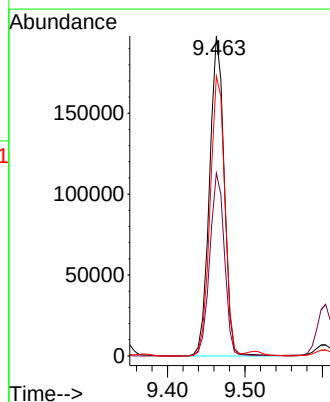
RT: 9.463 min Scan# 1236

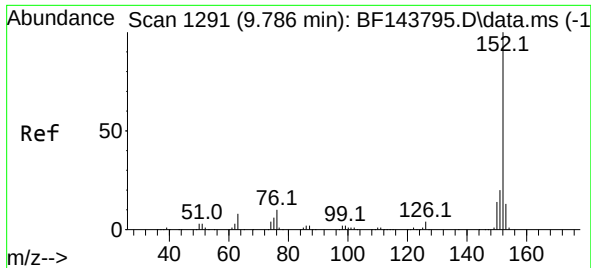
Delta R.T. 0.000 min

Lab File: BF143860.D

Acq: 02 Oct 2025 17:41

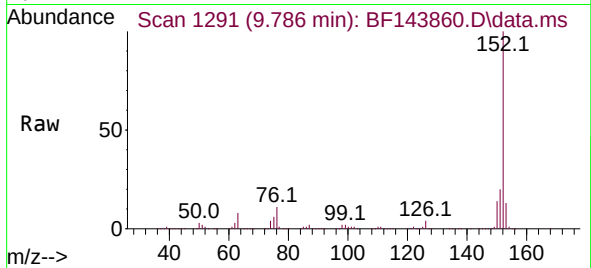
Tgt Ion: 65 Resp: 260204
 Ion Ratio Lower Upper
 65 100
 92 57.1 44.9 67.3
 138 87.4 69.0 103.4





#49
Acenaphthylene
Concen: 55.547 ng
RT: 9.786 min Scan# 1291
Delta R.T. 0.000 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

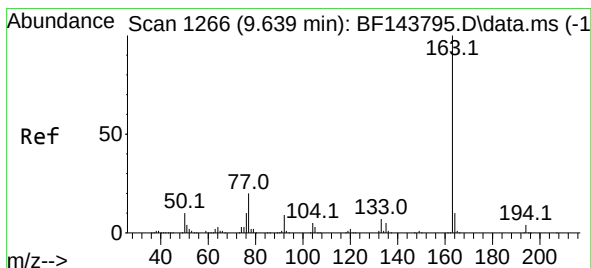
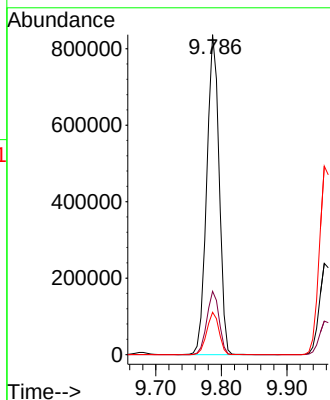
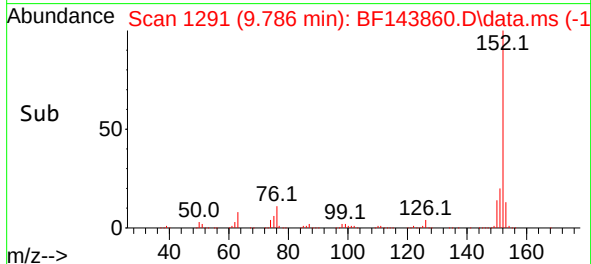
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMSD



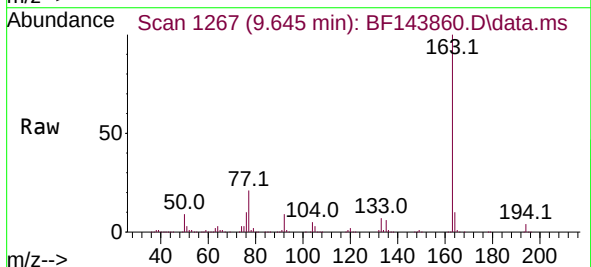
Tgt Ion:152 Resp: 1093588
Ion Ratio Lower Upper
152 100
151 19.8 15.7 23.5
153 13.2 10.6 15.8

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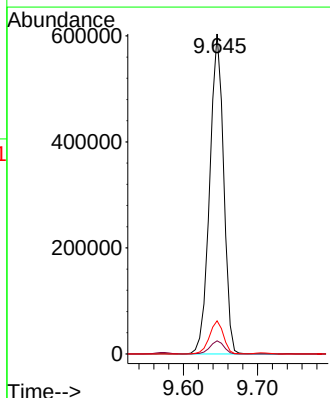
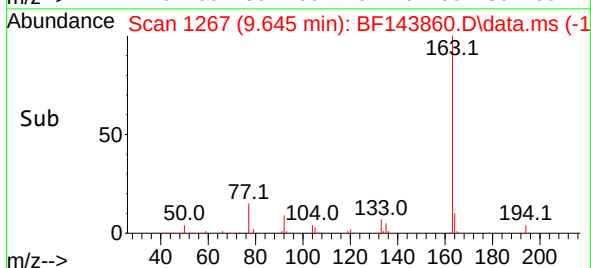
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

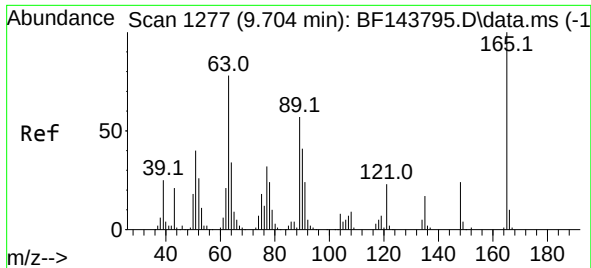


#50
Dimethylphthalate
Concen: 52.708 ng
RT: 9.645 min Scan# 1267
Delta R.T. 0.006 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41



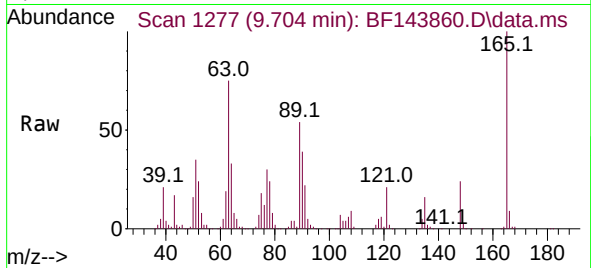
Tgt Ion:163 Resp: 788466
Ion Ratio Lower Upper
163 100
194 4.1 3.0 4.6
164 10.3 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 68.330 ng
RT: 9.704 min Scan# 1277
Delta R.T. 0.000 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

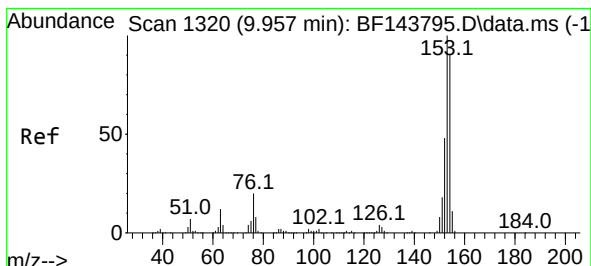
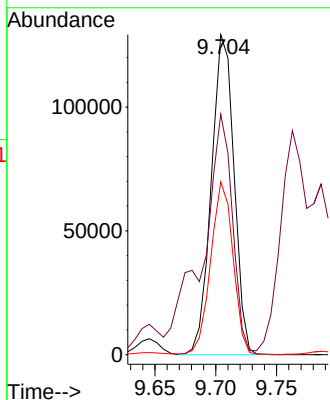
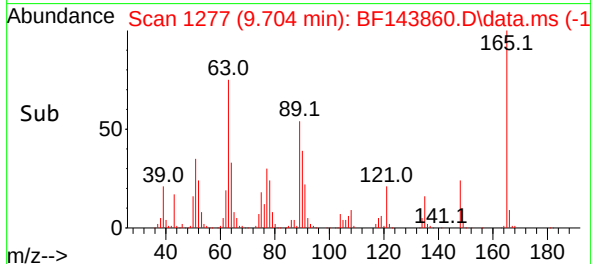
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMSD



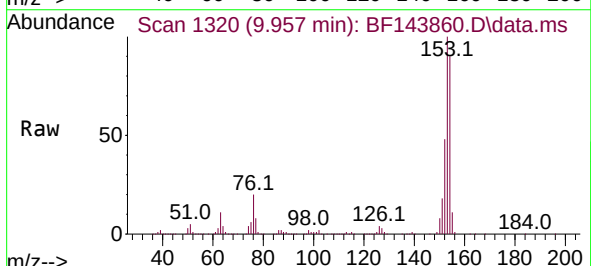
Tgt Ion:165 Resp: 16794
Ion Ratio Lower Upper
165 100
63 75.2 62.6 94.0
89 54.0 45.2 67.8

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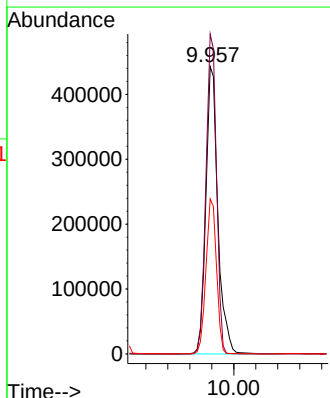
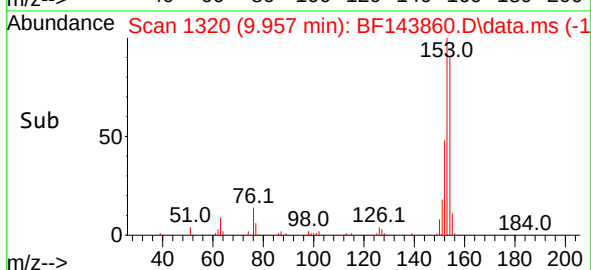
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

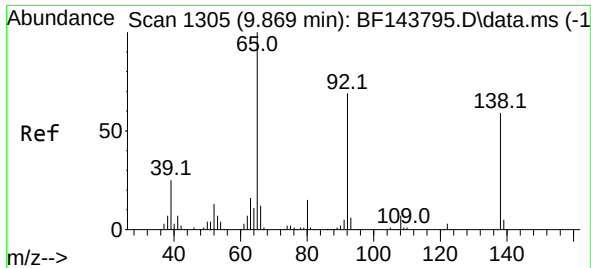


#52
Acenaphthene
Concen: 51.733 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41



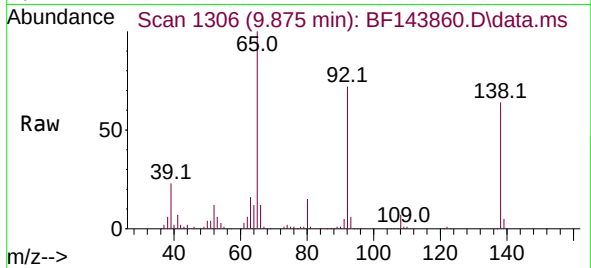
Tgt Ion:154 Resp: 670238
Ion Ratio Lower Upper
154 100
153 111.4 88.7 133.1
152 53.9 42.7 64.1





#53
3-Nitroaniline
Concen: 38.059 ng
RT: 9.875 min Scan# 1305
Delta R.T. 0.000 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

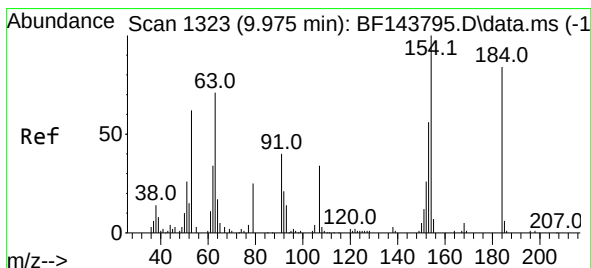
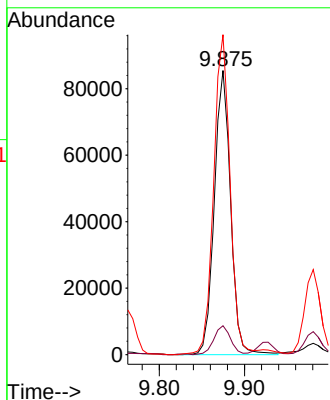
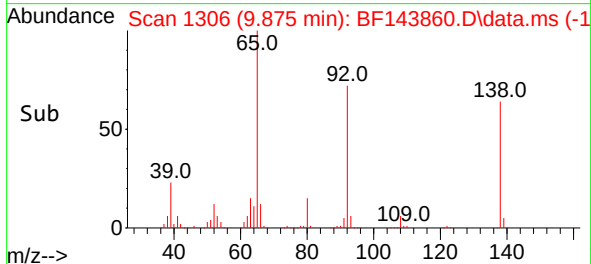
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMSD



Tgt Ion:138 Resp: 113384
Ion Ratio Lower Upper
138 100
108 10.2 9.9 14.9
92 112.7 93.5 140.3

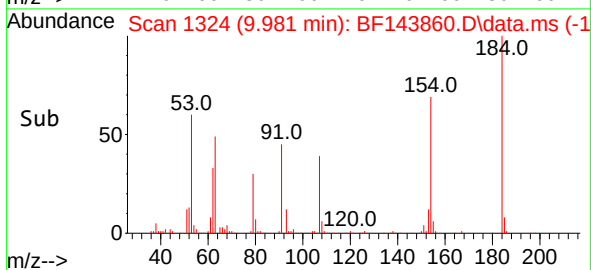
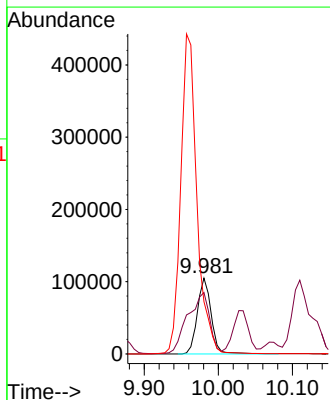
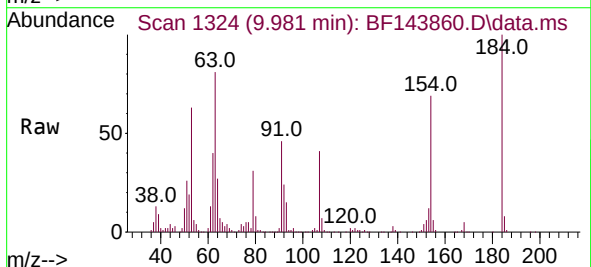
Manual Integrations
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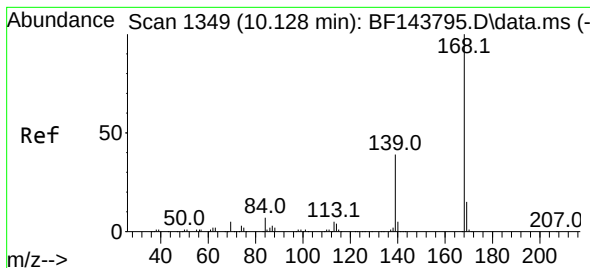
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#54
2,4-Dinitrophenol
Concen: 106.677 ng
RT: 9.981 min Scan# 1324
Delta R.T. 0.006 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

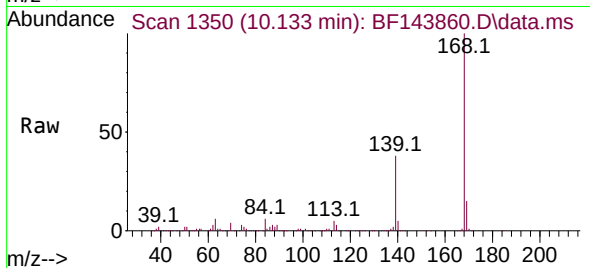
Tgt Ion:184 Resp: 135572
Ion Ratio Lower Upper
184 100
63 81.0 84.6 127.0#
154 69.0 199.3 298.9#





#55
Dibenzenofuran
Concen: 49.886 ng
RT: 10.133 min Scan# 1350
Delta R.T. 0.000 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

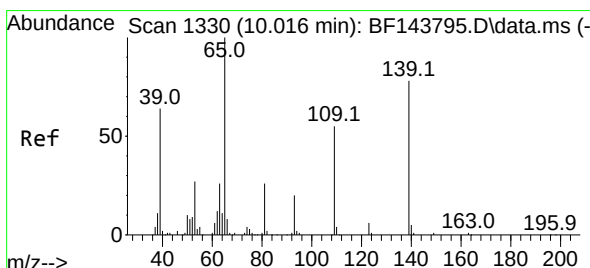
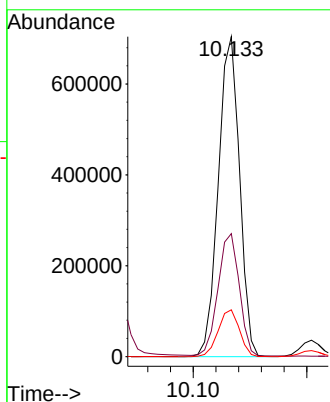
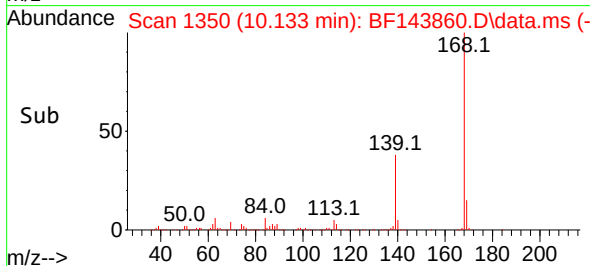
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMSD



Tgt Ion:168 Resp: 913928
Ion Ratio Lower Upper
168 100
139 38.4 31.0 46.6
169 14.6 11.9 17.9

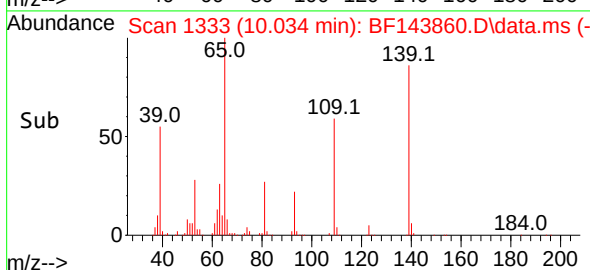
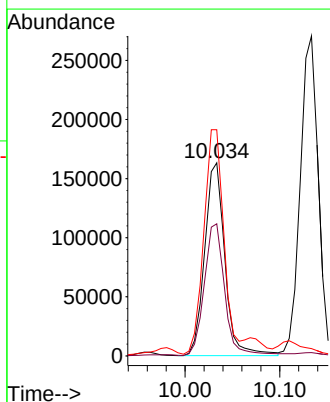
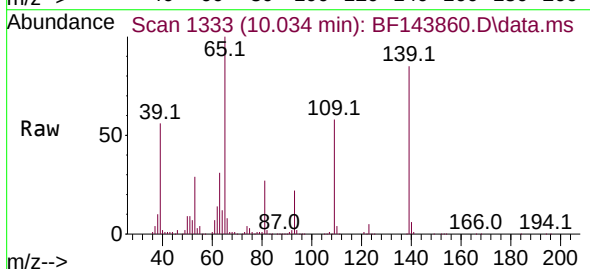
Manual Integrations
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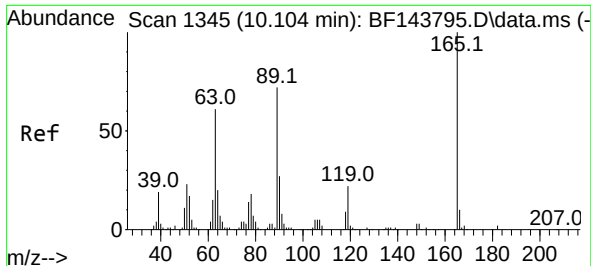
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#56
4-Nitrophenol
Concen: 101.035 ng
RT: 10.034 min Scan# 1333
Delta R.T. 0.012 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

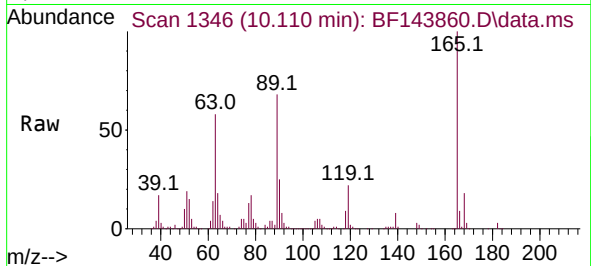
Tgt Ion:139 Resp: 242557
Ion Ratio Lower Upper
139 100
109 68.4 50.2 90.2
65 117.1 109.2 149.2





#57
2,4-Dinitrotoluene
Concen: 60.676 ng
RT: 10.110 min Scan# 1345
Delta R.T. -0.000 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

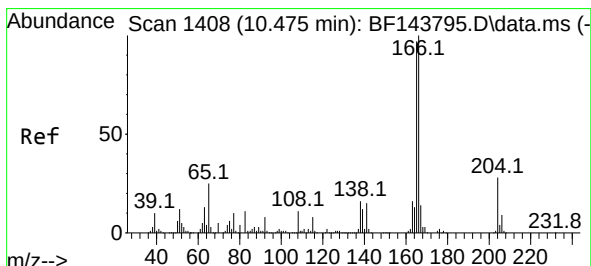
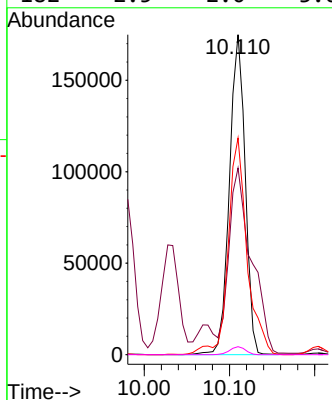
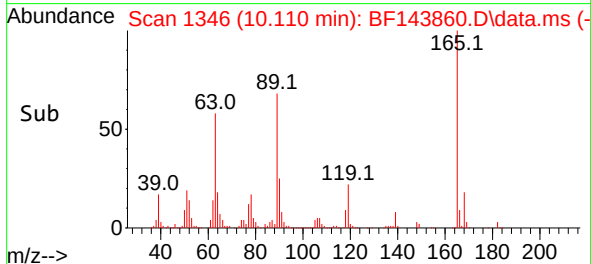
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMSD



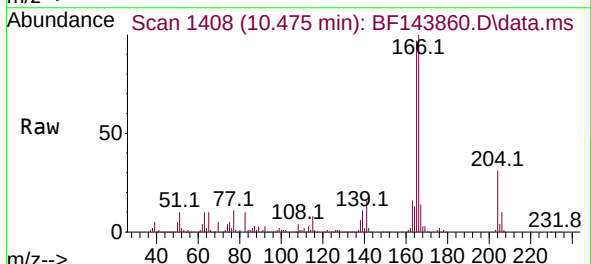
Tgt Ion:165 Resp: 22434
Ion Ratio Lower Upper
165 100
63 58.3 48.9 73.3
89 67.7 57.5 86.3
182 2.5 2.0 3.0

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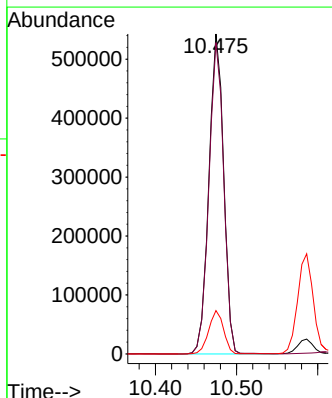
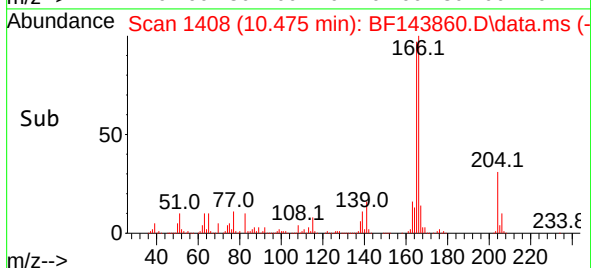
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

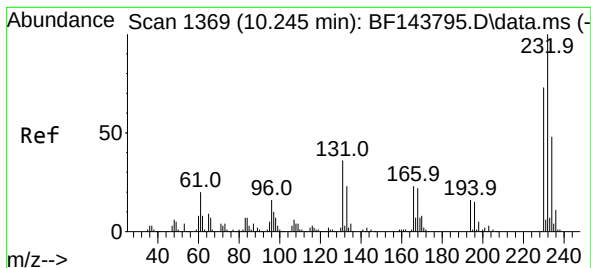


#58
Fluorene
Concen: 50.567 ng
RT: 10.475 min Scan# 1408
Delta R.T. 0.000 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41



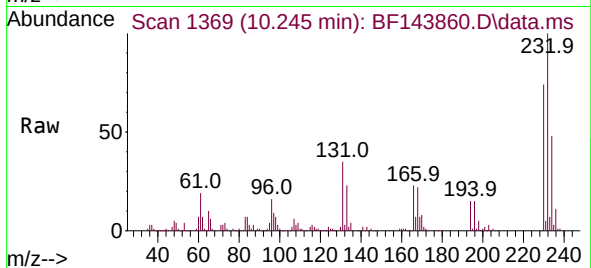
Tgt Ion:166 Resp: 688703
Ion Ratio Lower Upper
166 100
165 97.3 78.0 117.0
167 13.5 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 61.710 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

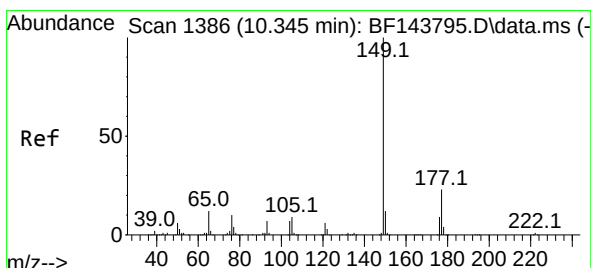
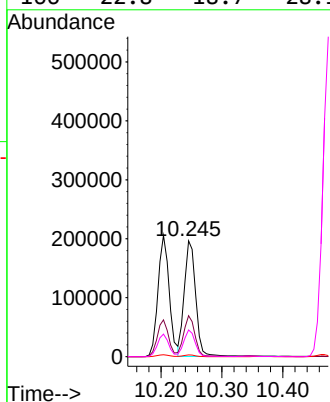
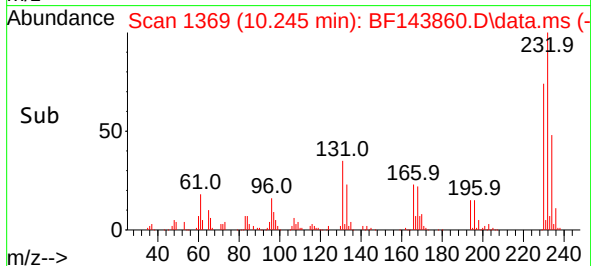
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMSD



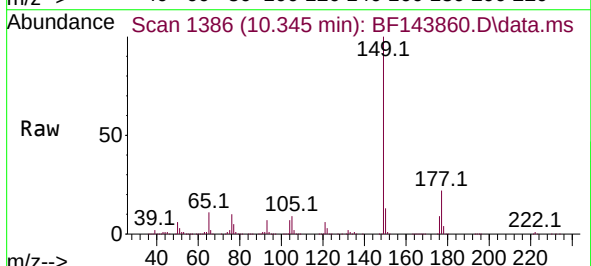
Tgt Ion:232 Resp: 256455
Ion Ratio Lower Upper
232 100
131 35.3 29.4 44.2
130 1.5 1.3 1.9
166 22.8 18.7 28.1

Manual Integrations
APPROVED

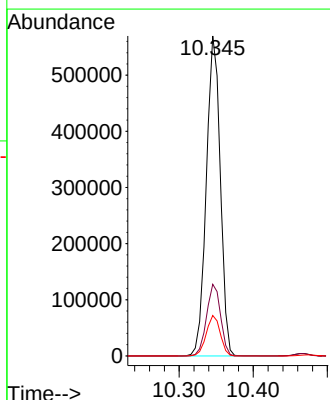
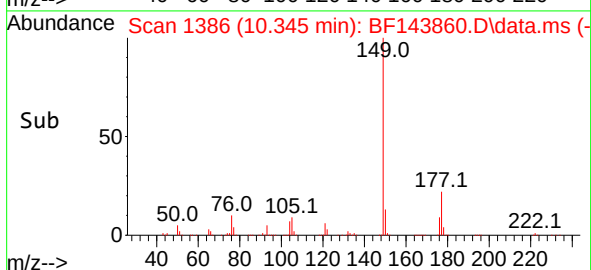
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

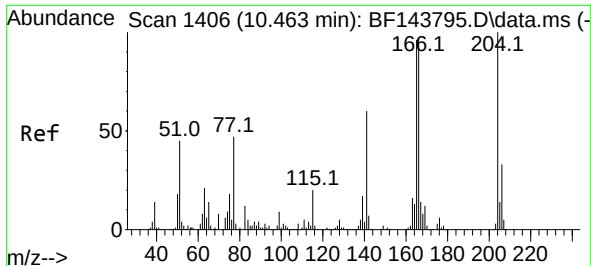


#60
Diethylphthalate
Concen: 53.205 ng
RT: 10.345 min Scan# 1386
Delta R.T. 0.000 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41



Tgt Ion:149 Resp: 745041
Ion Ratio Lower Upper
149 100
177 22.4 18.1 27.1
150 12.6 9.7 14.5





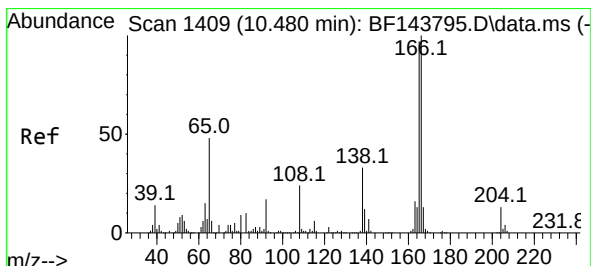
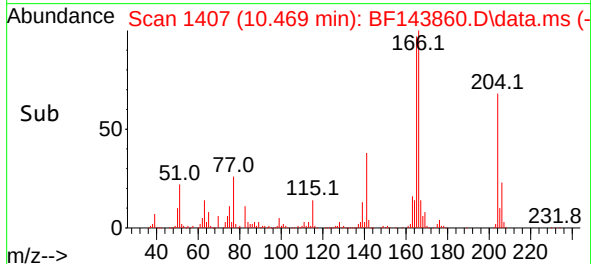
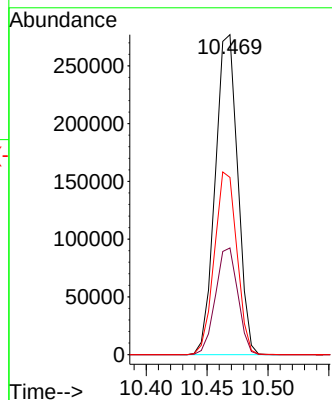
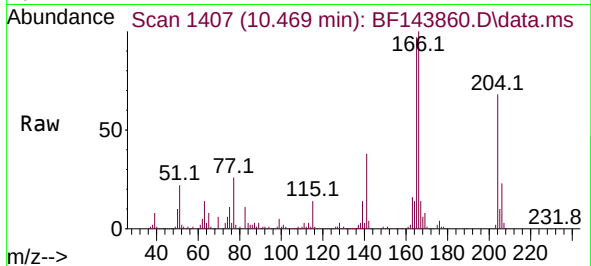
#61
4-Chlorophenyl-phenylether
Concen: 51.263 ng
RT: 10.469 min Scan# 1406
Delta R.T. 0.000 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

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

Tgt Ion:204 Resp: 355750
Ion Ratio Lower Upper
204 100
206 33.3 26.7 40.1
141 55.4 48.2 72.2

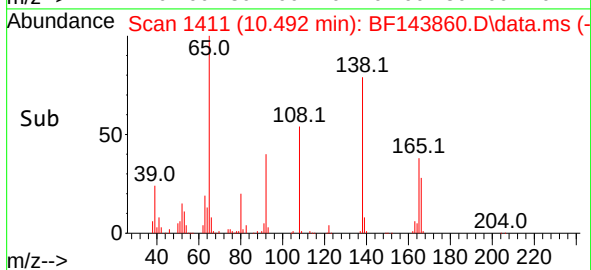
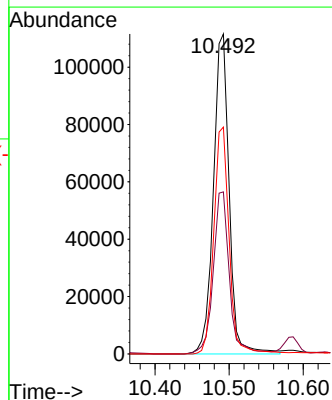
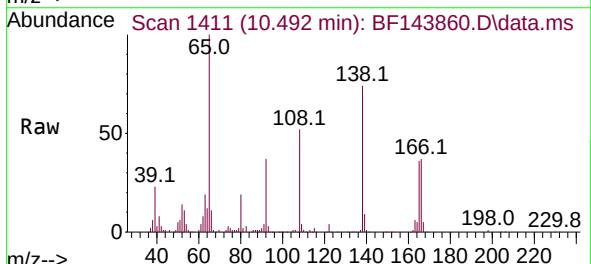
Manual Integrations
APPROVED

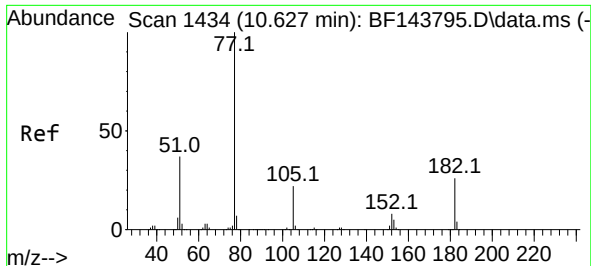
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#62
4-Nitroaniline
Concen: 58.857 ng
RT: 10.492 min Scan# 1411
Delta R.T. 0.000 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

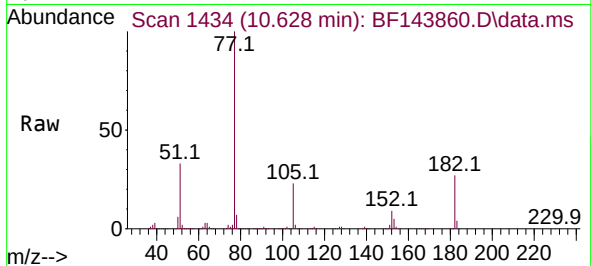
Tgt Ion:138 Resp: 164871
Ion Ratio Lower Upper
138 100
92 50.6 31.5 71.5
108 70.9 51.9 91.9





#63
Azobenzene
Concen: 50.792 ng
RT: 10.628 min Scan# 1434
Delta R.T. 0.000 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

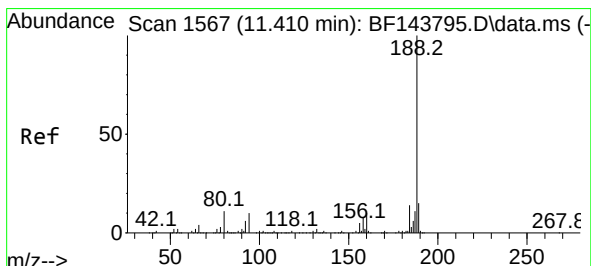
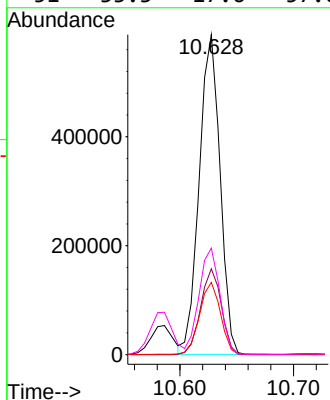
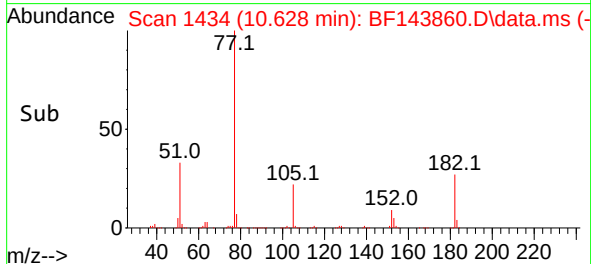
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMSD



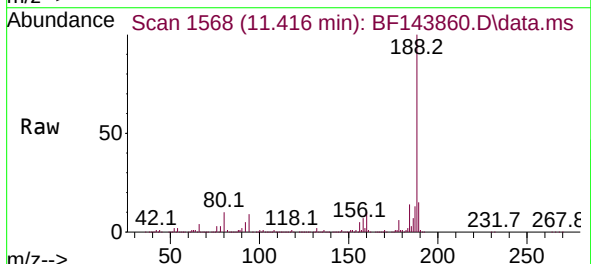
Tgt Ion: 77 Resp: 749592
Ion Ratio Lower Upper
77 100
182 26.8 5.9 45.9
105 22.6 2.3 42.3
51 33.3 17.6 57.6

Manual Integrations
APPROVED

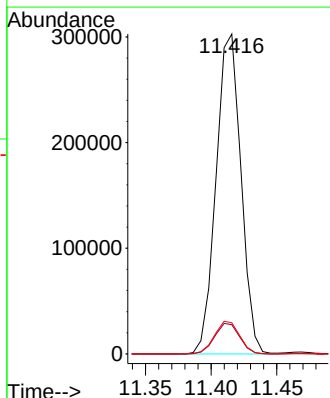
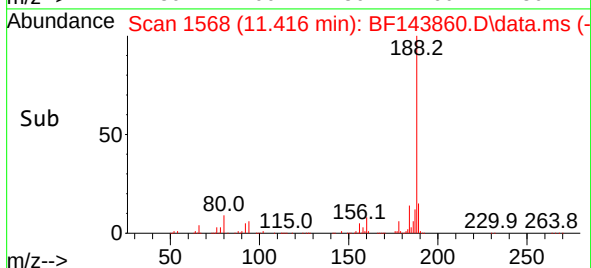
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

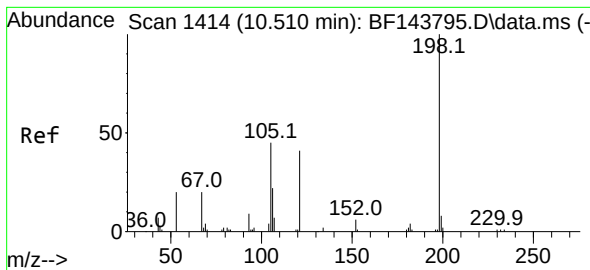


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.000 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41



Tgt Ion:188 Resp: 401076
Ion Ratio Lower Upper
188 100
94 9.1 8.2 12.2
80 9.7 8.6 12.8





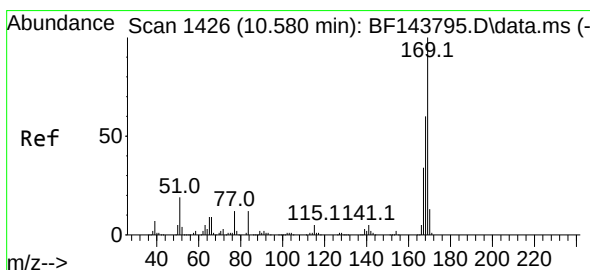
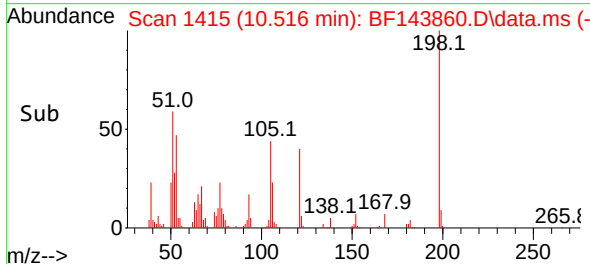
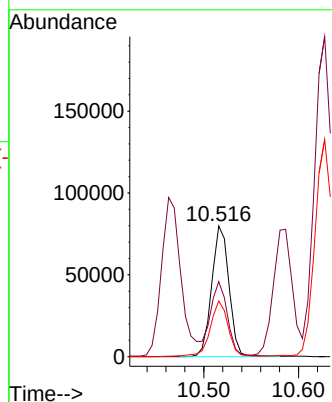
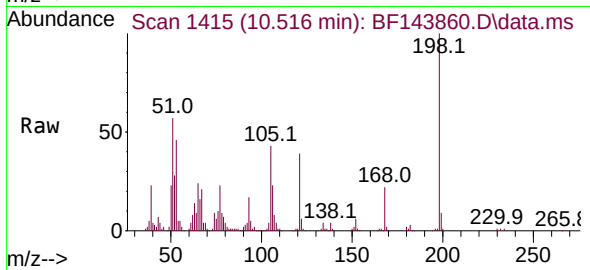
#65
4,6-Dinitro-2-methylphenol
Concen: 63.360 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.000 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

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

Tgt Ion:198 Resp: 101572
Ion Ratio Lower Upper
198 100
51 57.4 52.0 92.0
105 42.5 27.5 67.5

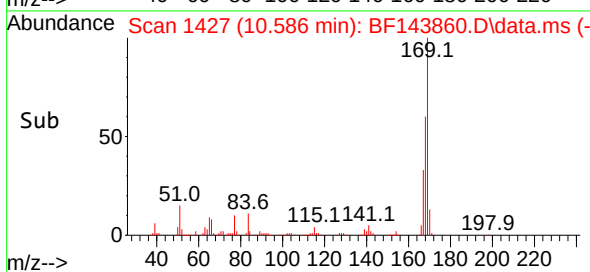
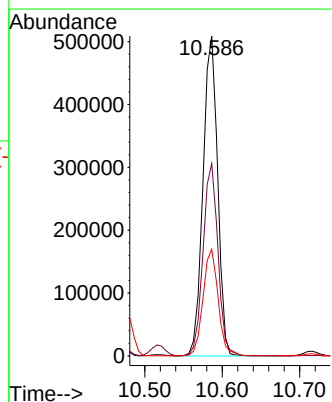
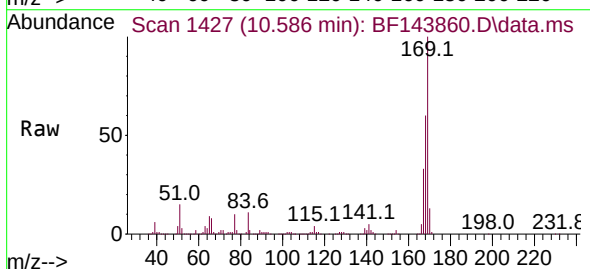
Manual Integrations
APPROVED

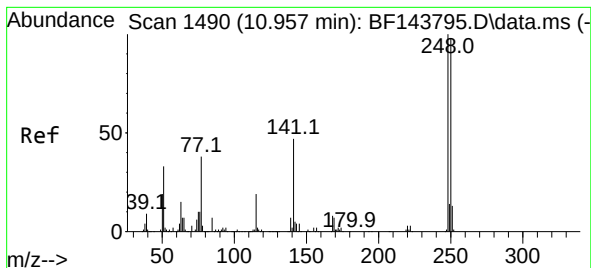
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#66
n-Nitrosodiphenylamine
Concen: 50.472 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

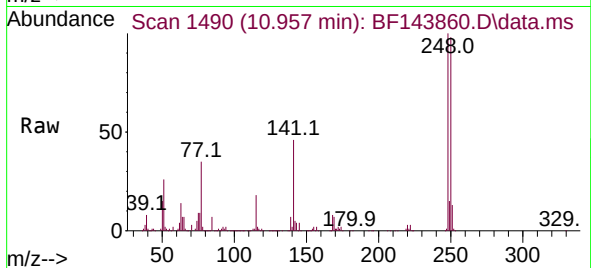
Tgt Ion:169 Resp: 665735
Ion Ratio Lower Upper
169 100
168 60.1 47.9 71.9
167 33.4 27.0 40.6





#67
4-Bromophenyl-phenylether
Concen: 50.999 ng
RT: 10.957 min Scan# 1490
Delta R.T. 0.000 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

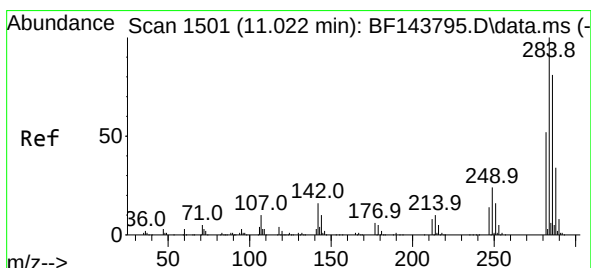
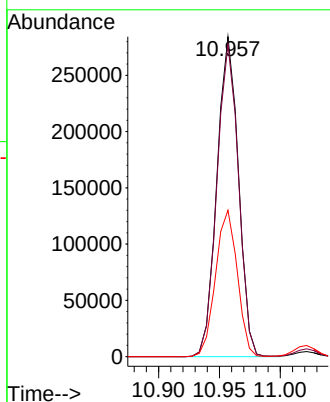
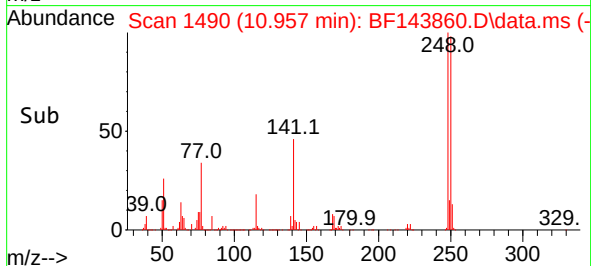
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMSD



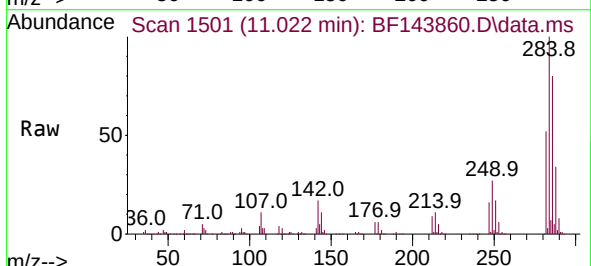
Tgt Ion:248 Resp: 348582
Ion Ratio Lower Upper
248 100
250 97.5 78.7 118.1
141 45.7 37.9 56.9

Manual Integrations
APPROVED

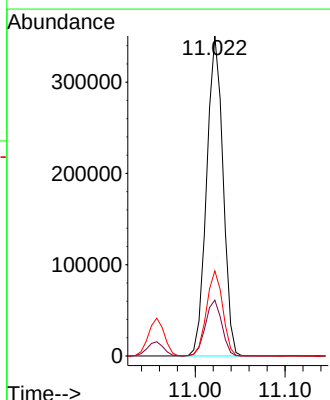
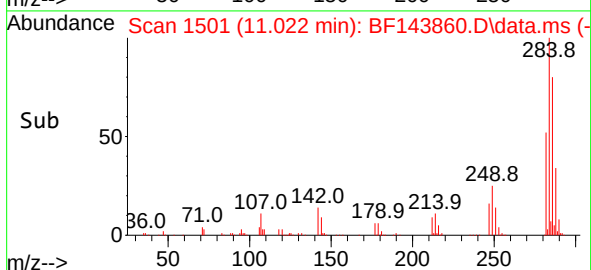
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

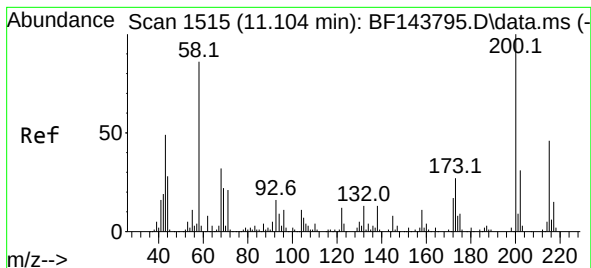


#68
Hexachlorobenzene
Concen: 47.127 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41



Tgt Ion:284 Resp: 443908
Ion Ratio Lower Upper
284 100
142 17.4 13.1 19.7
249 26.6 19.5 29.3





#69

Atrazine

Concen: 55.089 ng

RT: 11.110 min Scan# 1515

Delta R.T. 0.000 min

Lab File: BF143860.D

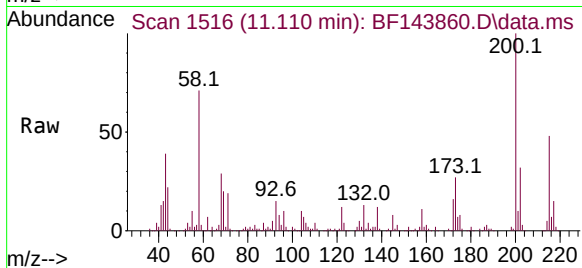
Acq: 02 Oct 2025 17:41

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1-WCMSD



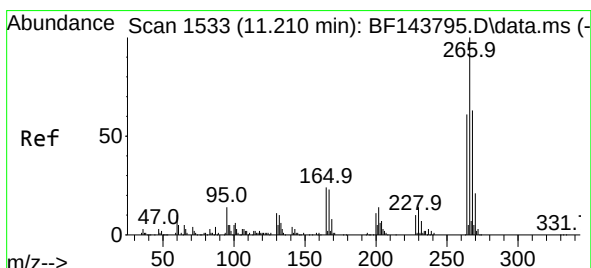
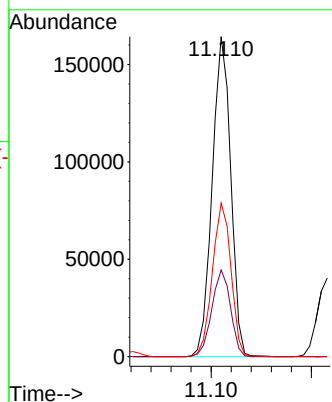
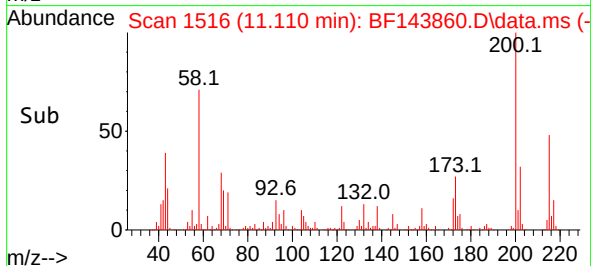
Tgt Ion:200 Resp: 210420
 Ion Ratio Lower Upper
 200 100
 173 27.1 7.2 47.2
 215 48.0 26.0 66.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#70

Pentachlorophenol

Concen: 105.160 ng

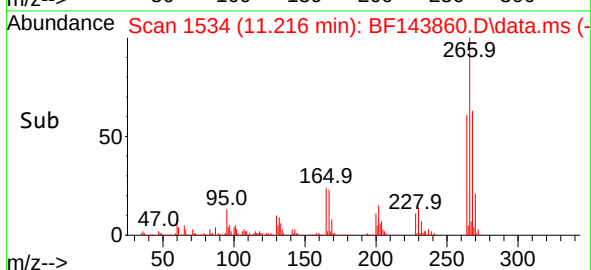
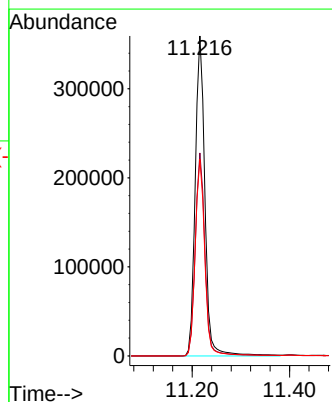
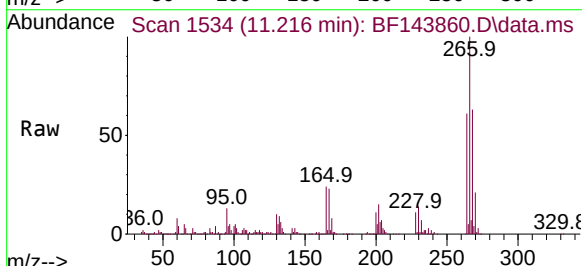
RT: 11.216 min Scan# 1534

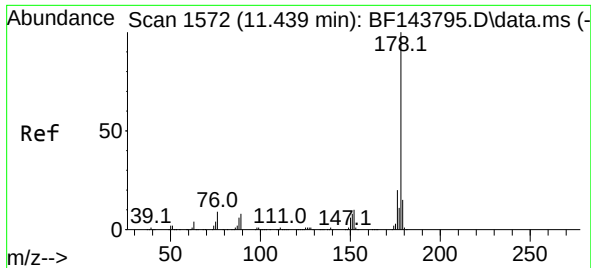
Delta R.T. 0.000 min

Lab File: BF143860.D

Acq: 02 Oct 2025 17:41

Tgt Ion:266 Resp: 493064
 Ion Ratio Lower Upper
 266 100
 268 63.5 50.5 75.7
 264 61.5 48.8 73.2





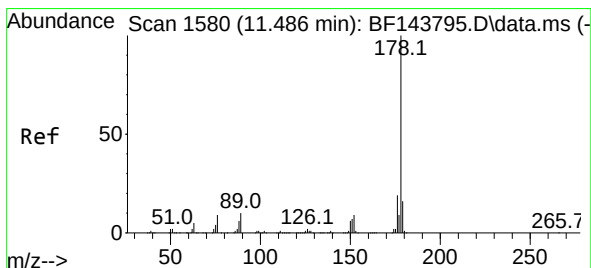
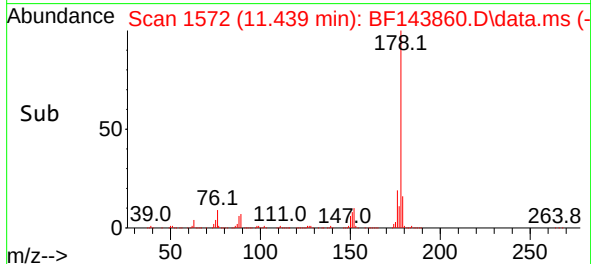
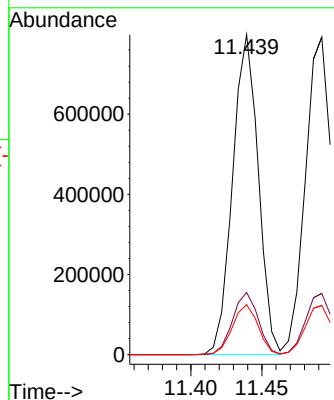
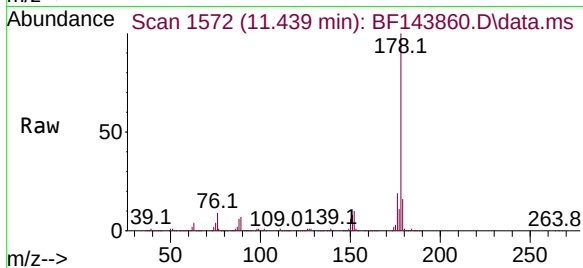
#71
Phenanthrene
Concen: 48.740 ng
RT: 11.439 min Scan# 1572
Delta R.T. 0.000 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCM5D

Tgt Ion:178 Resp: 1003605
Ion Ratio Lower Upper
178 100
176 19.4 15.6 23.4
179 15.6 12.2 18.4

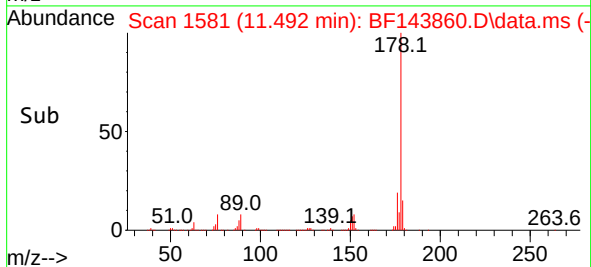
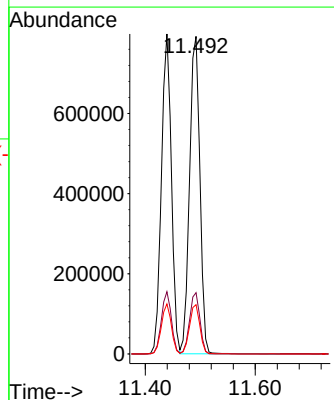
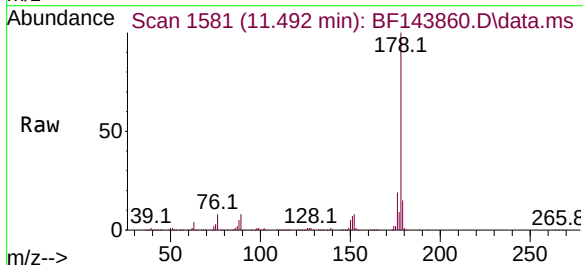
Manual Integrations
APPROVED

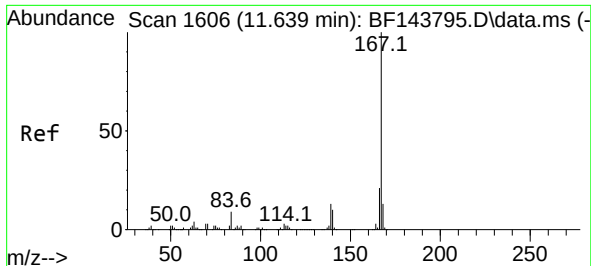
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#72
Anthracene
Concen: 50.034 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

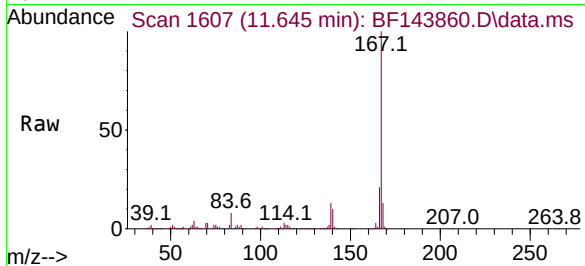
Tgt Ion:178 Resp: 1033434
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.5 12.8 19.2





#73
 Carbazole
 Concen: 49.376 ng
 RT: 11.645 min Scan# 1607
 Delta R.T. 0.000 min
 Lab File: BF143860.D
 Acq: 02 Oct 2025 17:41

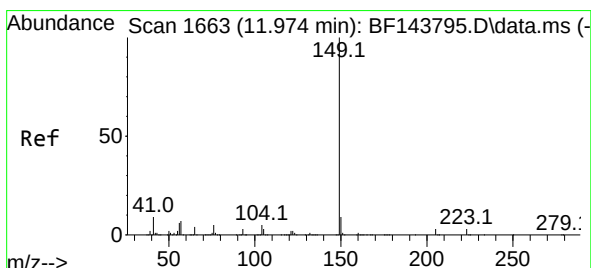
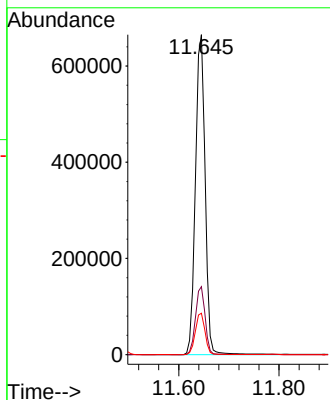
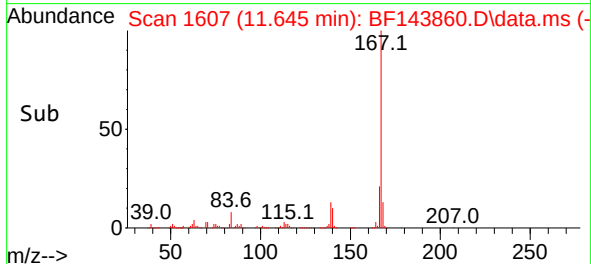
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-1-WCMSD



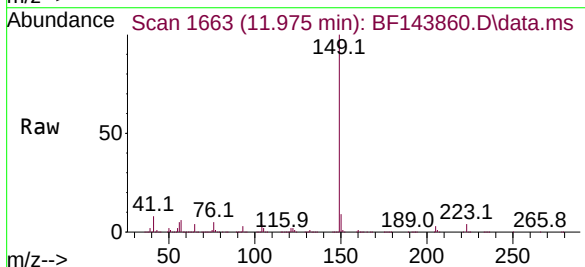
Tgt Ion:167 Resp: 891669
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.0 25.4
 139 12.9 10.6 15.8

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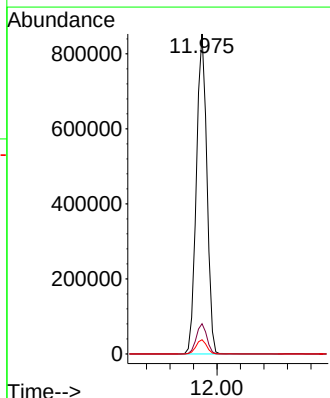
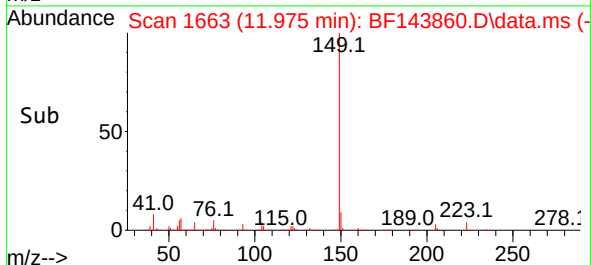
Reviewed By :Rahul Chavli 10/03/2025
 Supervised By :Jagrut Upadhyay 10/03/2025

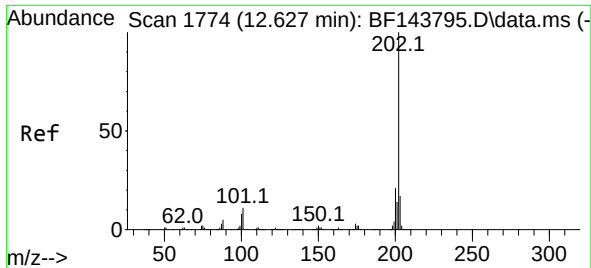


#74
 Di-n-butylphthalate
 Concen: 50.731 ng
 RT: 11.975 min Scan# 1663
 Delta R.T. 0.000 min
 Lab File: BF143860.D
 Acq: 02 Oct 2025 17:41



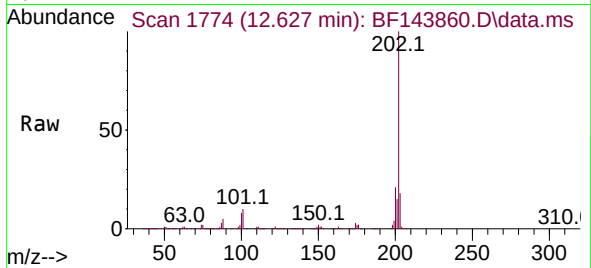
Tgt Ion:149 Resp: 1053633
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.3 10.9
 104 4.4 3.6 5.4





#75
Fluoranthene
Concen: 48.522 ng
RT: 12.627 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

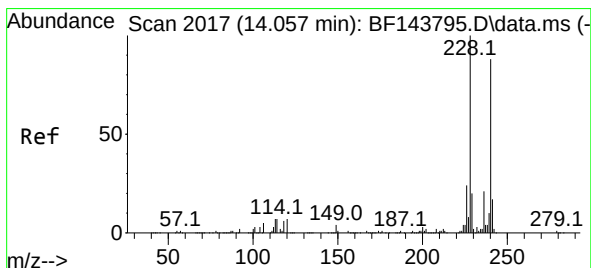
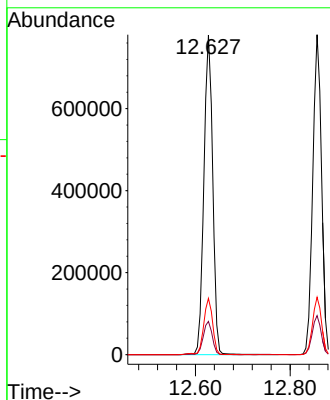
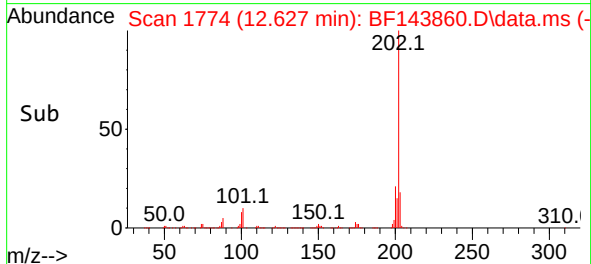
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMSD



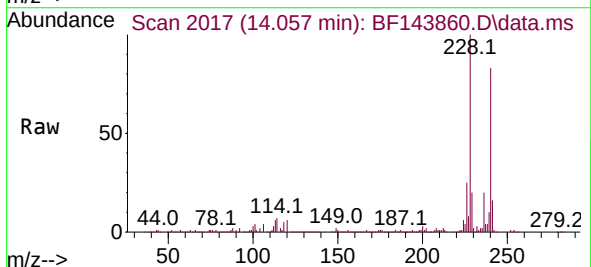
Tgt Ion:202 Resp: 1004895
Ion Ratio Lower Upper
202 100
101 10.4 0.0 31.1
203 17.6 0.0 37.4

Manual Integrations
APPROVED

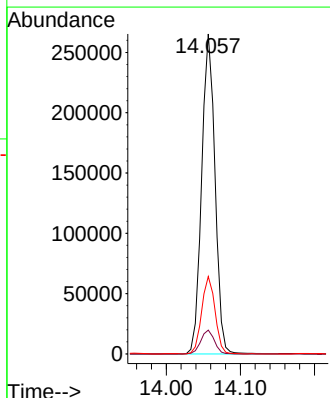
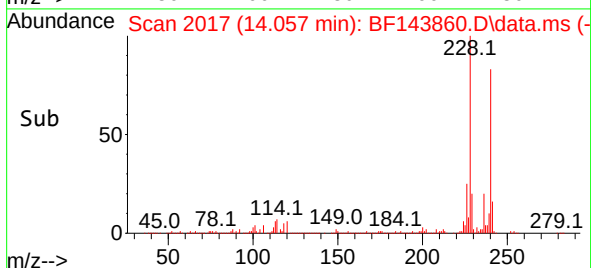
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

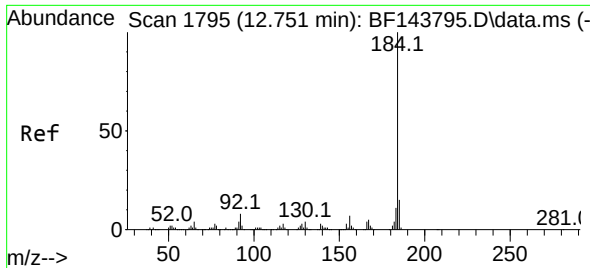


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 1717
Delta R.T. -0.006 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41



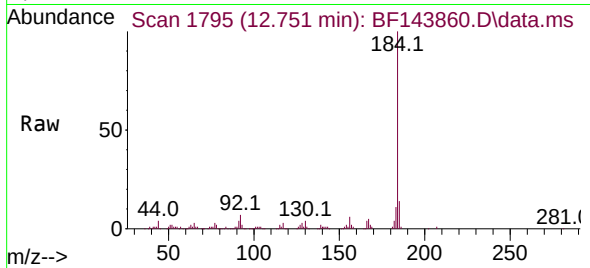
Tgt Ion:240 Resp: 331563
Ion Ratio Lower Upper
240 100
120 7.4 6.2 9.4
236 24.2 19.4 29.2





#77
Benzidine
Concen: 18.301 ng
RT: 12.751 min Scan# 1795
Delta R.T. 0.000 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

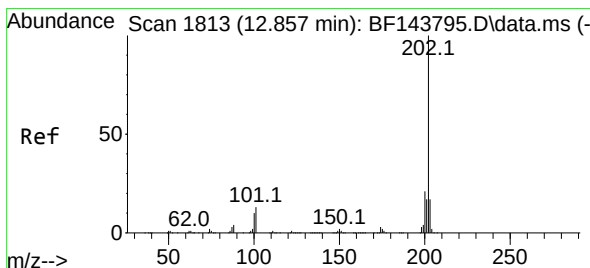
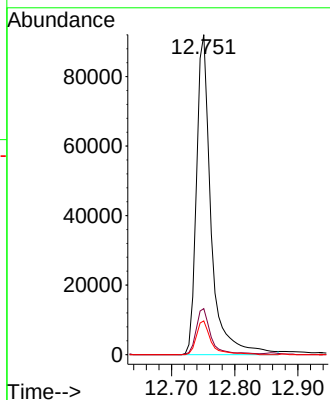
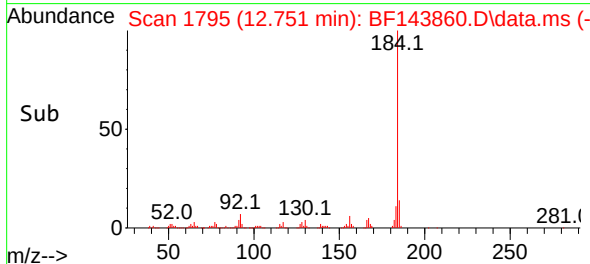
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMSD



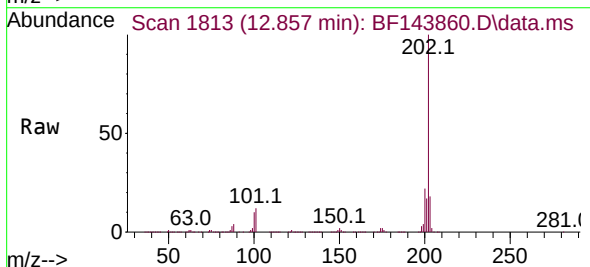
Tgt Ion:184 Resp: 147859
Ion Ratio Lower Upper
184 100
185 14.4 11.6 17.4
183 10.5 8.6 13.0

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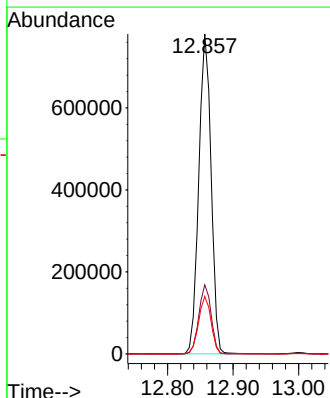
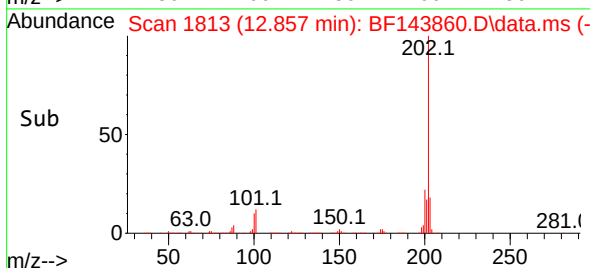
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

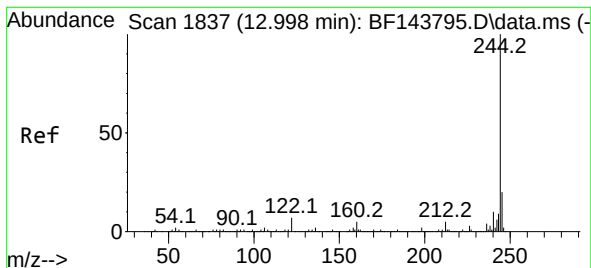


#78
Pyrene
Concen: 61.983 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41



Tgt Ion:202 Resp: 1010383
Ion Ratio Lower Upper
202 100
200 21.6 17.0 25.4
203 17.9 13.9 20.9





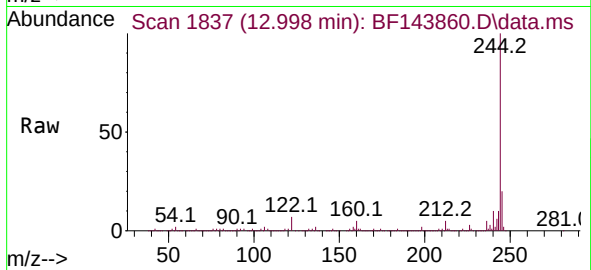
#79
 Terphenyl-d14
 Concen: 117.308 ng
 RT: 12.998 min Scan# 1837
 Delta R.T. -0.006 min
 Lab File: BF143860.D
 Acq: 02 Oct 2025 17:41

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1-WCMSD



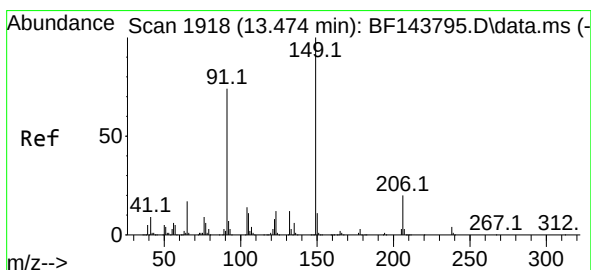
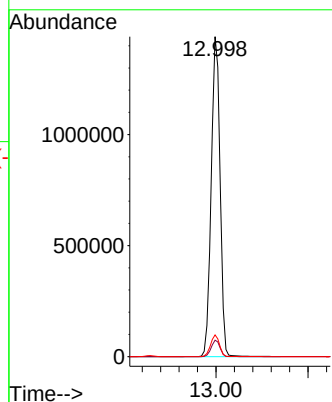
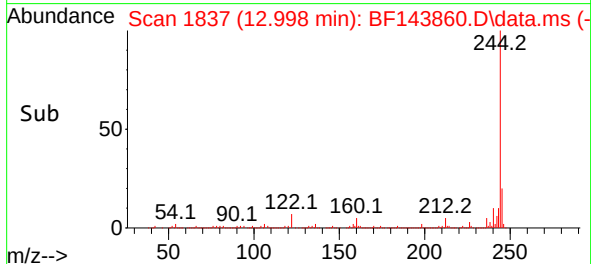
Tgt Ion:244 Resp: 1912479
 Ion Ratio Lower Upper
 244 100
 212 5.1 3.9 5.9
 122 6.8 5.6 8.4

Manual Integrations

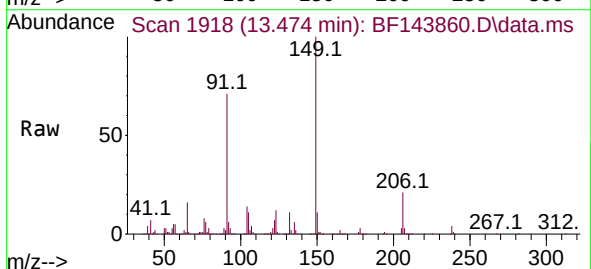
APPROVED

Reviewed By :Rahul Chavli 10/03/2025

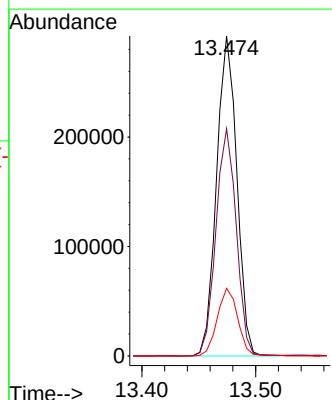
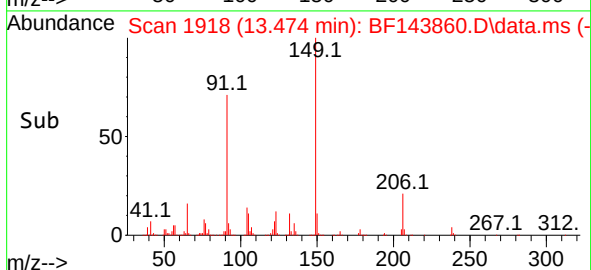
Supervised By :Jagrut Upadhyay 10/03/2025

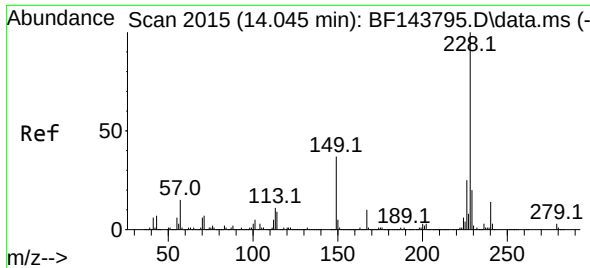


#80
 Butylbenzylphthalate
 Concen: 64.287 ng
 RT: 13.474 min Scan# 1918
 Delta R.T. -0.006 min
 Lab File: BF143860.D
 Acq: 02 Oct 2025 17:41



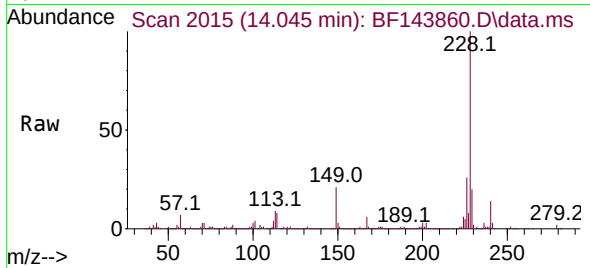
Tgt Ion:149 Resp: 362561
 Ion Ratio Lower Upper
 149 100
 91 71.0 59.5 89.3
 206 21.1 16.1 24.1





#81
Benzo(a)anthracene
Concen: 52.084 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

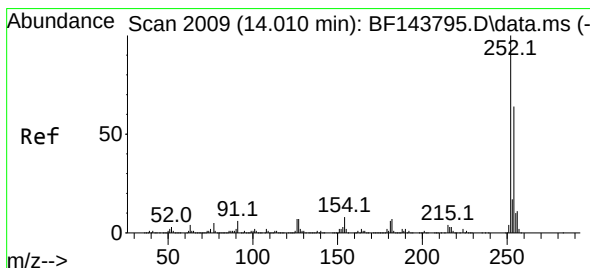
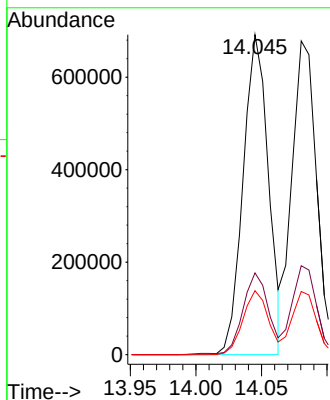
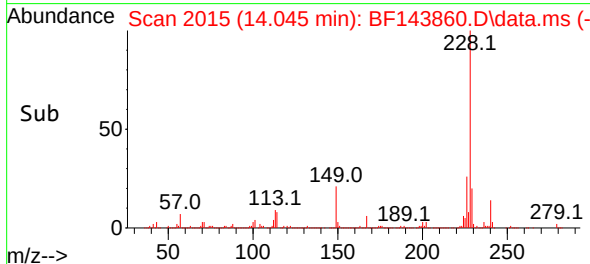
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMSD



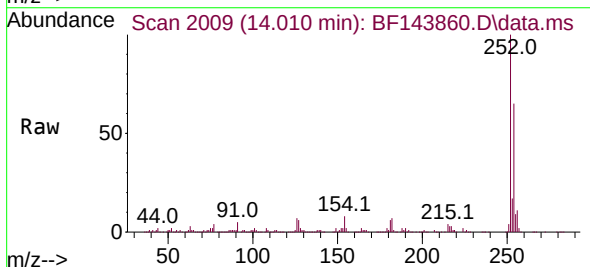
Tgt Ion:228 Resp: 927740
Ion Ratio Lower Upper
228 100
226 25.5 20.2 30.2
229 20.0 16.1 24.1

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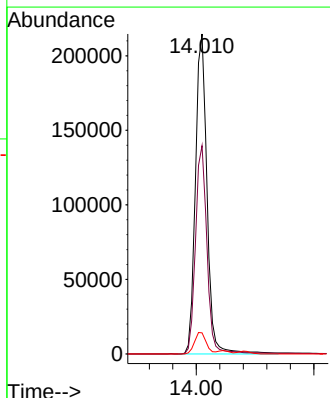
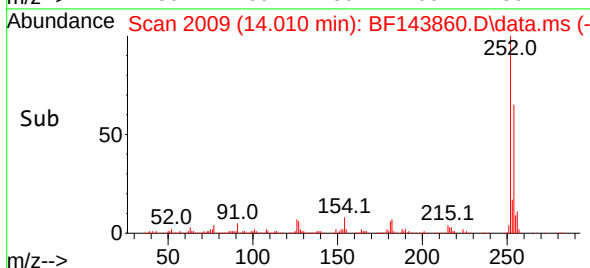
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

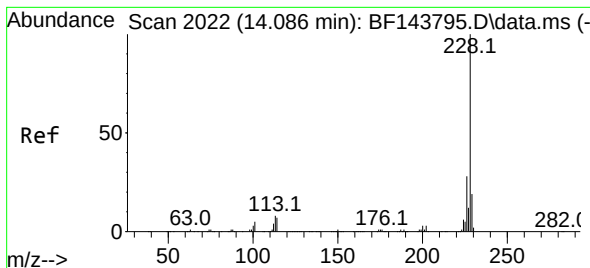


#82
3,3'-Dichlorobenzidine
Concen: 38.035 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41



Tgt Ion:252 Resp: 293500
Ion Ratio Lower Upper
252 100
254 65.1 51.5 77.3
126 6.6 5.4 8.2





#83

Chrysene

Concen: 55.265 ng

RT: 14.080 min Scan# 2013

Delta R.T. -0.006 min

Lab File: BF143860.D

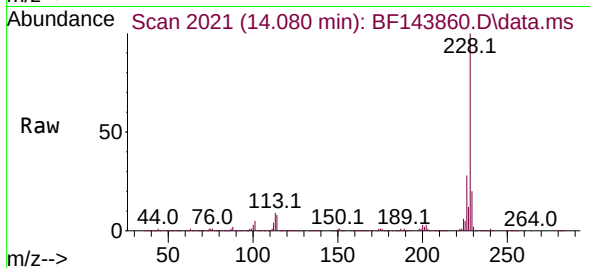
Acq: 02 Oct 2025 17:41

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1-WCMUSD



Tgt Ion:228 Resp: 890746

Ion Ratio Lower Upper

228 100

226 28.4 22.6 33.8

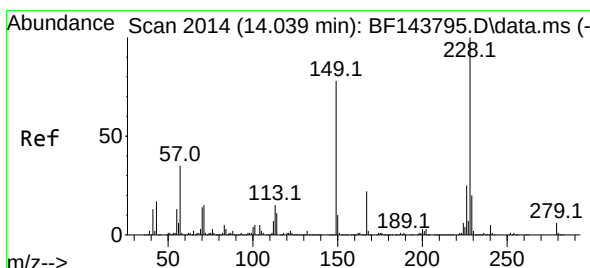
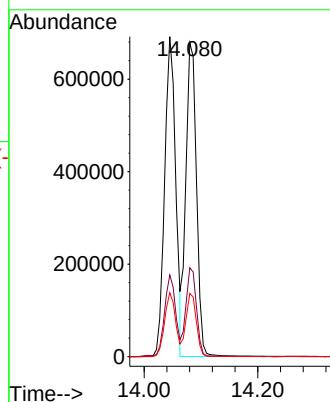
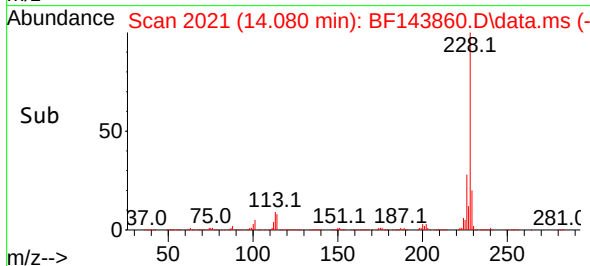
229 20.2 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 53.499 ng

RT: 14.033 min Scan# 2013

Delta R.T. -0.006 min

Lab File: BF143860.D

Acq: 02 Oct 2025 17:41

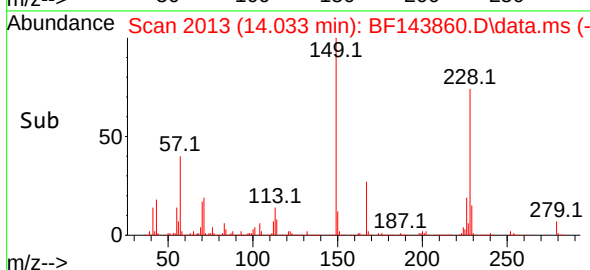
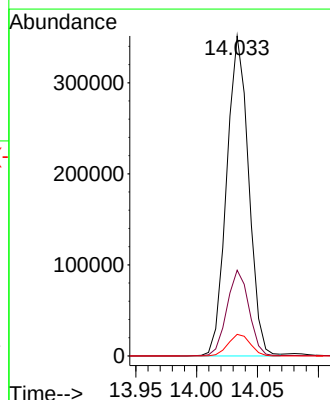
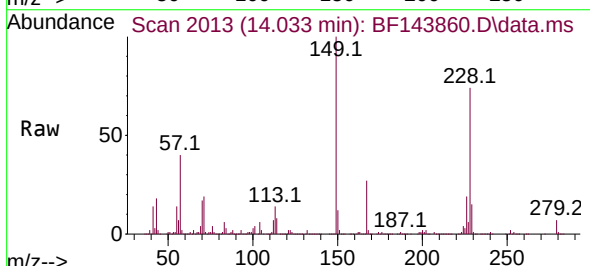
Tgt Ion:149 Resp: 442251

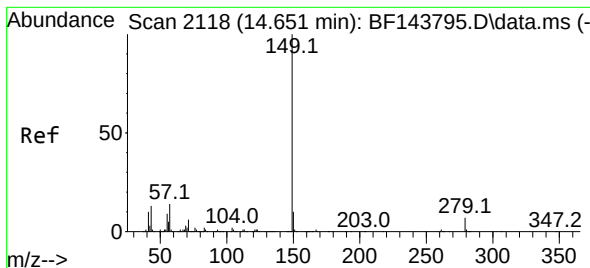
Ion Ratio Lower Upper

149 100

167 26.8 22.2 33.2

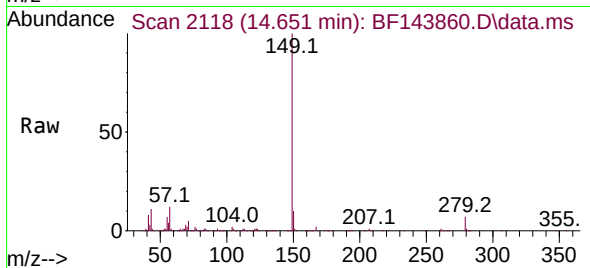
279 6.7 6.0 9.0





#85
Di-n-octyl phthalate
Concen: 51.086 ng
RT: 14.651 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

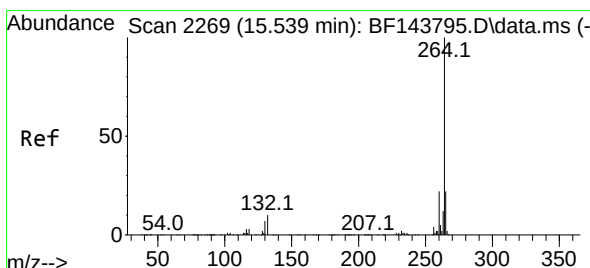
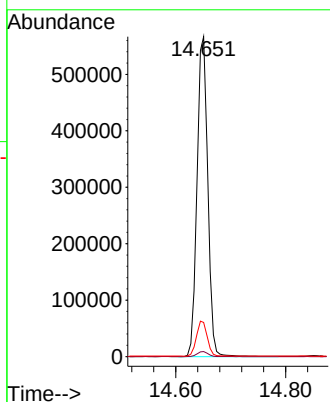
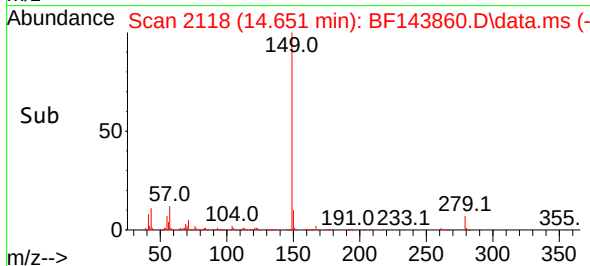
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMSD



Tgt Ion:149 Resp: 766040
Ion Ratio Lower Upper
149 100
167 1.6 1.1 1.7
43 11.0 10.7 16.1

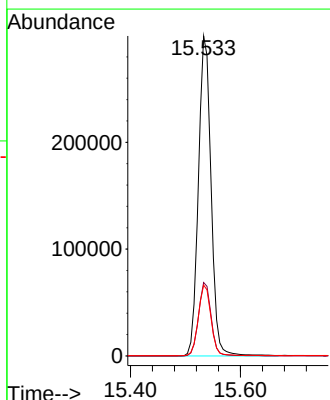
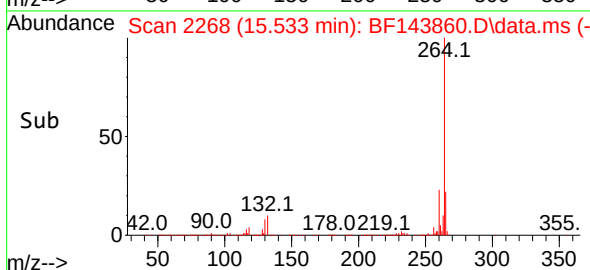
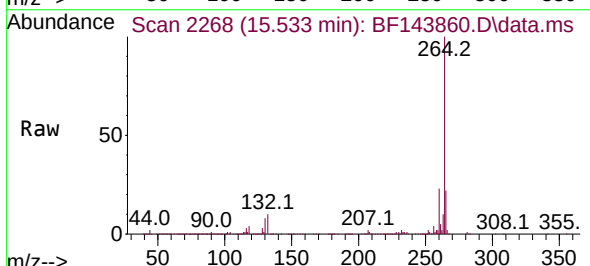
Manual Integrations
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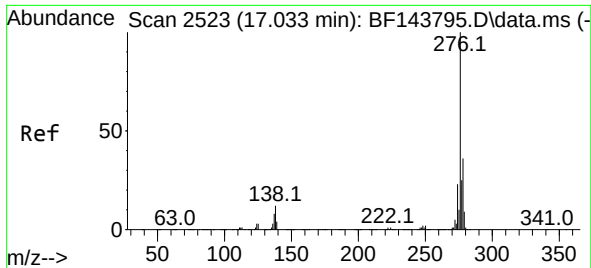
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

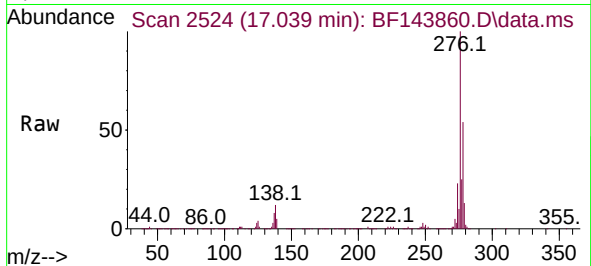
Tgt Ion:264 Resp: 477862
Ion Ratio Lower Upper
264 100
260 22.9 17.9 26.9
265 22.1 17.7 26.5





#87
Indeno(1,2,3-cd)pyrene
Concen: 53.933 ng
RT: 17.039 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

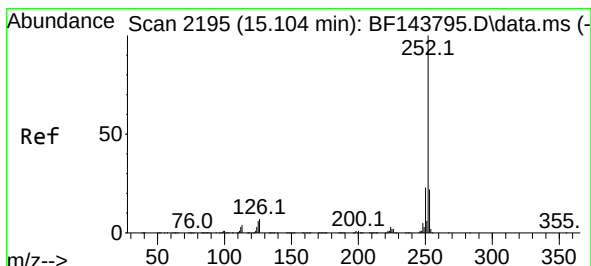
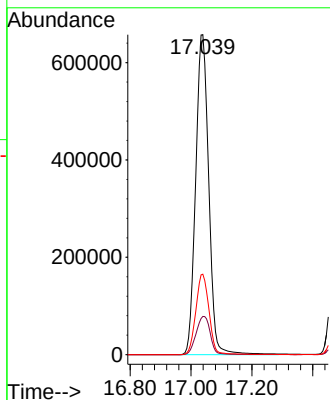
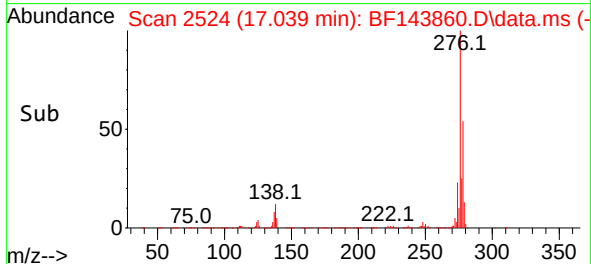
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMSD



Tgt Ion: 276 Resp: 1955449
Ion Ratio Lower Upper
276 100
138 12.9 10.6 15.8
277 25.3 20.7 31.1

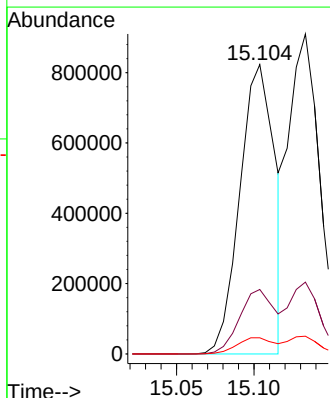
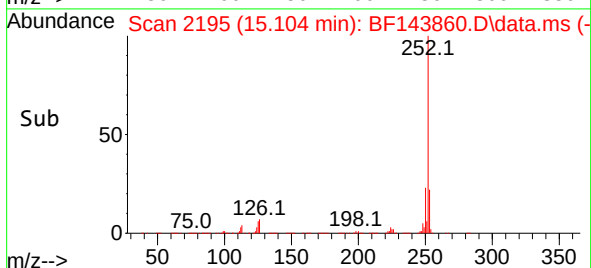
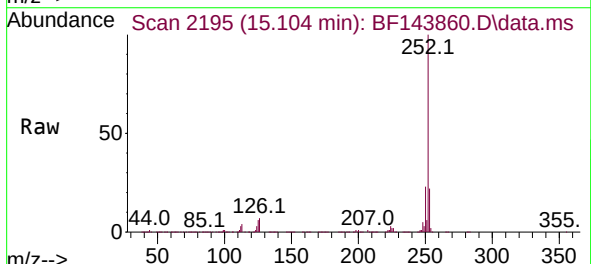
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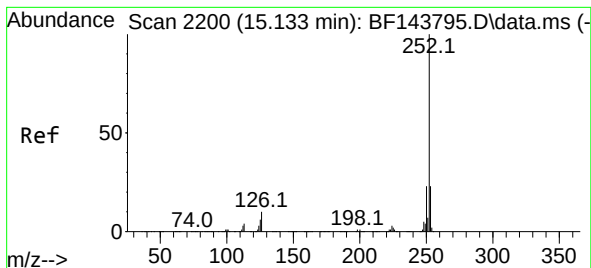
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#88
Benzo(b)fluoranthene
Concen: 53.101 ng
RT: 15.104 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

Tgt Ion: 252 Resp: 1292227
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 5.6 4.4 6.6





#89

Benzo(k)fluoranthene

Concen: 52.014 ng

RT: 15.133 min Scan# 2200

Delta R.T. -0.006 min

Lab File: BF143860.D

Acq: 02 Oct 2025 17:41

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1-WCMUSD

Tgt Ion:252 Resp: 127168

Ion Ratio Lower Upper

252 100

253 22.4 17.9 26.9

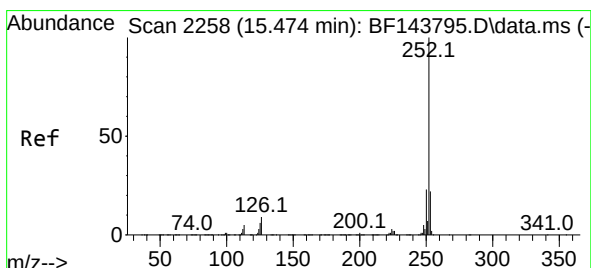
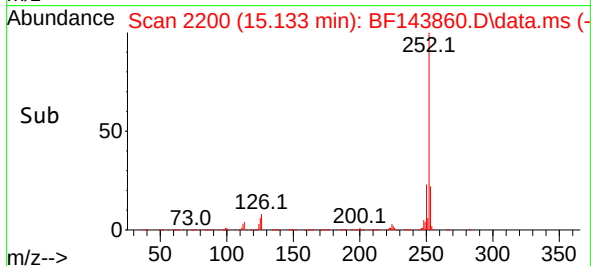
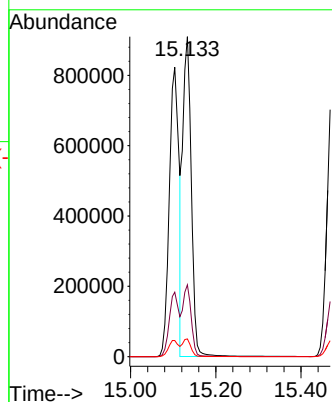
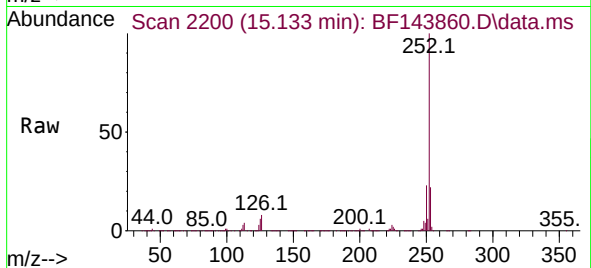
125 5.6 4.6 6.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#90

Benzo(a)pyrene

Concen: 56.221 ng

RT: 15.474 min Scan# 2258

Delta R.T. -0.006 min

Lab File: BF143860.D

Acq: 02 Oct 2025 17:41

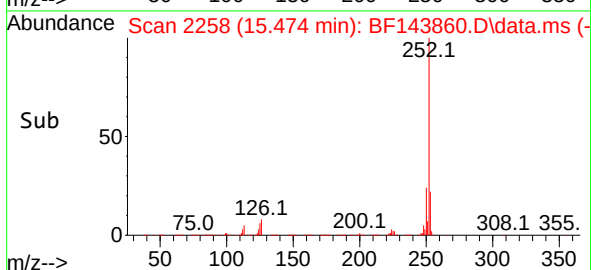
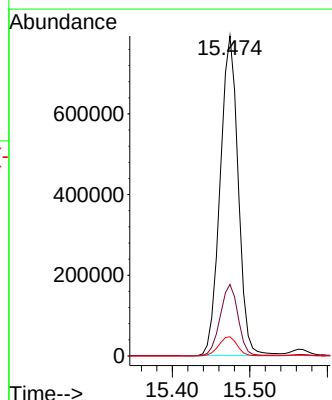
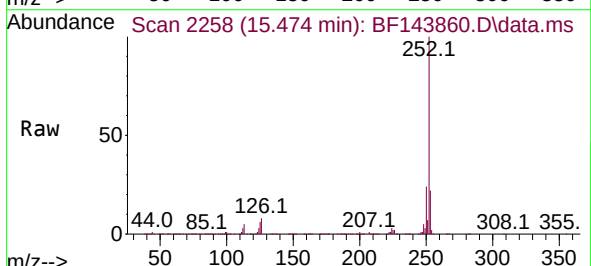
Tgt Ion:252 Resp: 1286039

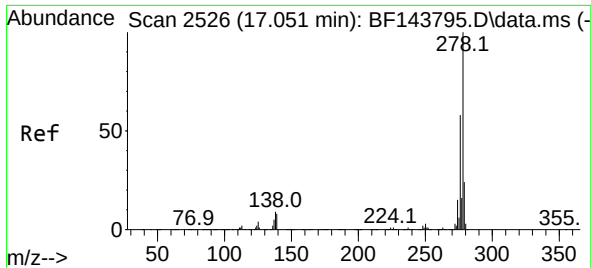
Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

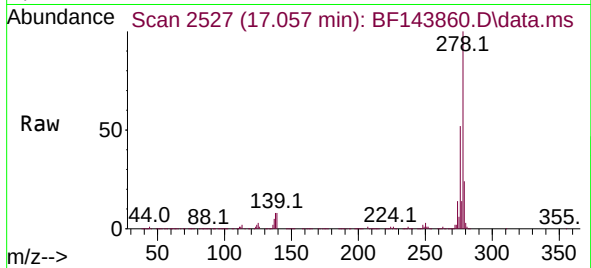
125 6.0 5.0 7.4





#91
Dibenzo(a,h)anthracene
Concen: 53.078 ng
RT: 17.057 min Scan# 2526
Delta R.T. -0.012 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41

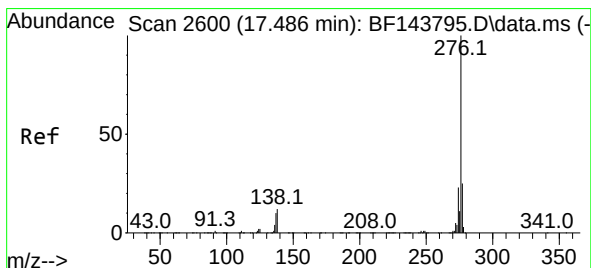
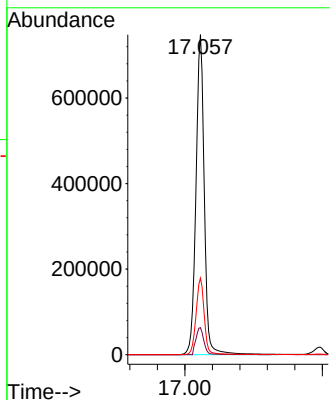
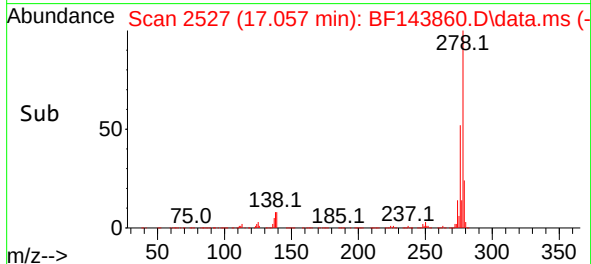
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMSD



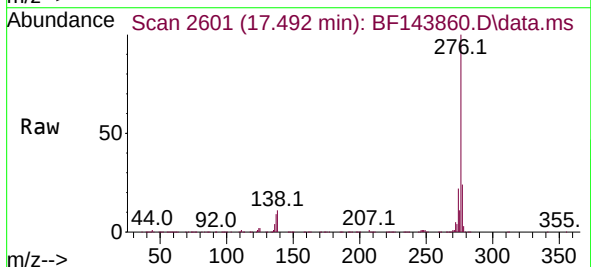
Tgt Ion:278 Resp: 1574046
Ion Ratio Lower Upper
278 100
139 8.4 6.7 10.1
279 23.9 19.3 28.9

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



#92
Benzo(g,h,i)perylene
Concen: 55.830 ng
RT: 17.492 min Scan# 2601
Delta R.T. -0.012 min
Lab File: BF143860.D
Acq: 02 Oct 2025 17:41



Tgt Ion:276 Resp: 1595990
Ion Ratio Lower Upper
276 100
277 24.3 19.6 29.4
138 11.3 9.2 13.8

