

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100924\
 Data File : BF139734.D
 Acq On : 09 Oct 2024 20:52
 Operator : RC/JU
 Sample : P4359-01MSD
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EXCAVATION-SOILMSD

Quant Time: Oct 10 01:12:54 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 02 04:58:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	84080	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	311222	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	157297	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	238294	20.000	ng	0.00
76) Chrysene-d12	14.039	240	168675	20.000	ng	0.00
86) Perylene-d12	15.510	264	143520	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	569119	117.320	ng	0.01
7) Phenol-d6	6.510	99	753802	115.550	ng	0.00
23) Nitrobenzene-d5	7.434	82	478874	77.904	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	146605	96.549	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	845732	82.542	ng	0.00
79) Terphenyl-d14	12.974	244	677106	65.867	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.687	88	92560	44.133	ng	99
3) Pyridine	3.440	79	240413	47.133	ng	98
4) n-Nitrosodimethylamine	3.399	42	155233	46.494	ng	96
6) Aniline	6.534	93	156613	27.054	ng	# 74
8) 2-Chlorophenol	6.657	128	257428	49.531	ng	98
9) Benzaldehyde	6.416	77	77622	22.462	ng	98
10) Phenol	6.522	94	330397	48.166	ng	97
11) bis(2-Chloroethyl)ether	6.604	93	252446	45.200	ng	100
12) 1,3-Dichlorobenzene	6.810	146	268519	45.926	ng	99
13) 1,4-Dichlorobenzene	6.887	146	271410	45.834	ng	99
14) 1,2-Dichlorobenzene	7.039	146	258757	46.624	ng	98
15) Benzyl Alcohol	7.016	79	238887	47.927	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.139	45	456518	47.215	ng	82
17) 2-Methylphenol	7.128	107	205867	47.447	ng	98
18) Hexachloroethane	7.381	117	87623	39.671	ng	98
19) n-Nitroso-di-n-propyla...	7.281	70	192287	45.847	ng	99
20) 3+4-Methylphenols	7.281	107	261634	48.008	ng	98
22) Acetophenone	7.275	105	353550	47.858	ng	# 95
24) Nitrobenzene	7.451	77	289984	45.558	ng	99
25) Isophorone	7.692	82	516292	47.289	ng	100
26) 2-Nitrophenol	7.769	139	132870	48.557	ng	99
27) 2,4-Dimethylphenol	7.804	122	197996	59.106	ng	99
28) bis(2-Chloroethoxy)met...	7.898	93	308018	47.246	ng	100
29) 2,4-Dichlorophenol	8.010	162	210310	48.133	ng	99
30) 1,2,4-Trichlorobenzene	8.092	180	222098	44.947	ng	99
31) Naphthalene	8.175	128	746696	46.925	ng	100
32) Benzoic acid	7.928	122	121252	36.402	ng	98
33) 4-Chloroaniline	8.222	127	47486	8.816	ng	99
34) Hexachlorobutadiene	8.286	225	141914	44.380	ng	99
35) Caprolactam	8.598	113	68614	47.877	ng	93
36) 4-Chloro-3-methylphenol	8.710	107	224086	45.305	ng	98
37) 2-Methylnaphthalene	8.863	142	477906	46.114	ng	100
38) 1-Methylnaphthalene	8.963	142	437664	43.204	ng	99
40) 1,2,4,5-Tetrachloroben...	9.028	216	222635	50.970	ng	99
41) Hexachlorocyclopentadiene	9.010	237	33810	25.244	ng	98
43) 2,4,6-Trichlorophenol	9.145	196	145974	49.574	ng	98

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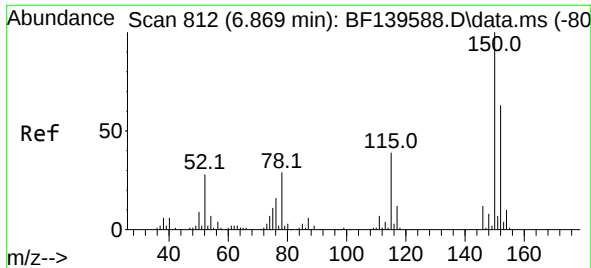
Quant Time: Oct 10 01:12:54 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	150009	47.240	ng	99
46) 1,1'-Biphenyl	9.328	154	580619	49.629	ng	100
47) 2-Chloronaphthalene	9.351	162	426703	48.651	ng	99
48) 2-Nitroaniline	9.451	65	157076	49.891	ng	98
49) Acenaphthylene	9.769	152	686862	51.496	ng	100
50) Dimethylphthalate	9.628	163	526171	51.100	ng	100
51) 2,6-Dinitrotoluene	9.692	165	106191	45.654	ng	96
52) Acenaphthene	9.939	154	424620	46.373	ng	100
53) 3-Nitroaniline	9.863	138	70150	29.512	ng	98
54) 2,4-Dinitrophenol	9.975	184	28835	23.048	ng	95
55) Dibenzofuran	10.110	168	609529	47.543	ng	100
56) 4-Nitrophenol	10.033	139	148401	81.870	ng	95
57) 2,4-Dinitrotoluene	10.098	165	131418	43.224	ng	98
58) Fluorene	10.457	166	459174	44.967	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	116415	45.391	ng	96
60) Diethylphthalate	10.328	149	513193	48.253	ng	100
61) 4-Chlorophenyl-phenyle...	10.445	204	229332	44.891	ng	98
62) 4-Nitroaniline	10.475	138	86924	35.751	ng	98
63) Azobenzene	10.604	77	586984	54.881	ng	97
65) 4,6-Dinitro-2-methylph...	10.504	198	23768	17.660	ng	99
66) n-Nitrosodiphenylamine	10.563	169	402655	57.325	ng	99
67) 4-Bromophenyl-phenylether	10.933	248	126403	51.736	ng	96
68) Hexachlorobenzene	11.004	284	130706	48.211	ng	98
69) Atrazine	11.092	200	122393	64.945	ng	99
70) Pentachlorophenol	11.198	266	135775	84.106	ng	97
71) Phenanthrene	11.416	178	578341	51.473	ng	100
72) Anthracene	11.469	178	577165	51.924	ng	99
73) Carbazole	11.627	167	520601	48.764	ng	100
74) Di-n-butylphthalate	11.951	149	689545	53.114	ng	99
75) Fluoranthene	12.604	202	636871	51.853	ng	100
77) Benzidine	12.733	184	295219	99.226	ng	99
78) Pyrene	12.839	202	656705	43.530	ng	99
80) Butylbenzylphthalate	13.451	149	254357	47.137	ng	98
81) Benzo(a)anthracene	14.027	228	599924	54.097	ng	99
82) 3,3'-Dichlorobenzidine	13.986	252	164394	48.437	ng	98
83) Chrysene	14.063	228	545377	53.791	ng	99
84) Bis(2-ethylhexyl)phtha...	14.010	149	357242	53.017	ng	99
85) Di-n-octyl phthalate	14.621	149	611968	61.820	ng	100
87) Indeno(1,2,3-cd)pyrene	16.992	276	340283	40.283	ng	99
88) Benzo(b)fluoranthene	15.080	252	483735	52.128	ng	100
89) Benzo(k)fluoranthene	15.110	252	389548	49.487	ng	99
90) Benzo(a)pyrene	15.451	252	405259	55.385	ng	100
91) Dibenzo(a,h)anthracene	17.004	278	270572	38.619	ng	99
92) Benzo(g,h,i)perylene	17.439	276	252728	35.967	ng	99

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

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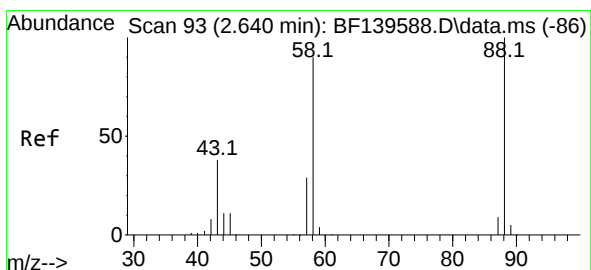
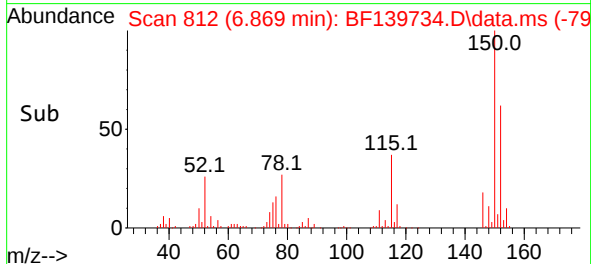
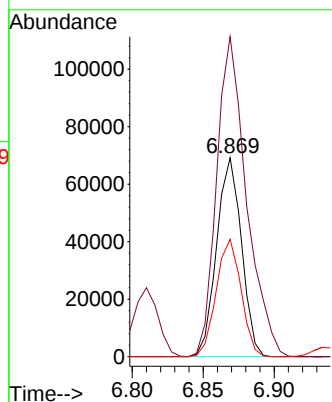
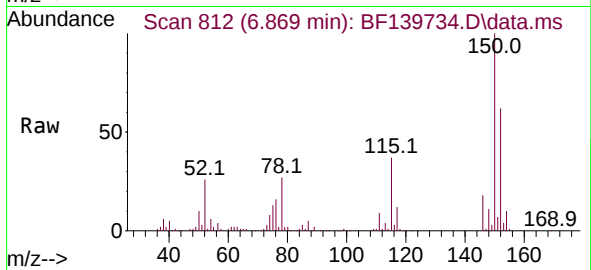




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.869 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: BF139734.D
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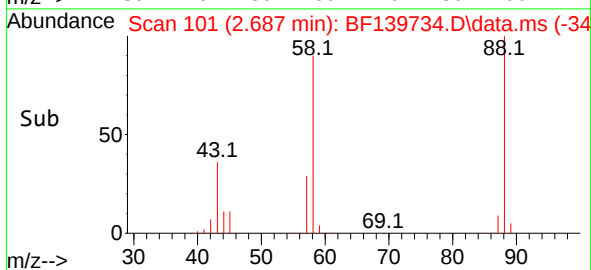
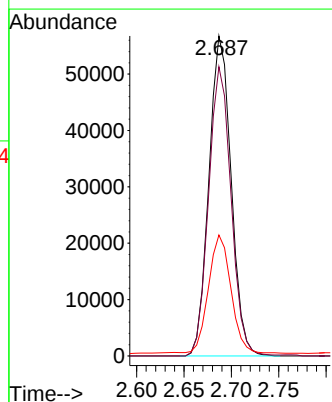
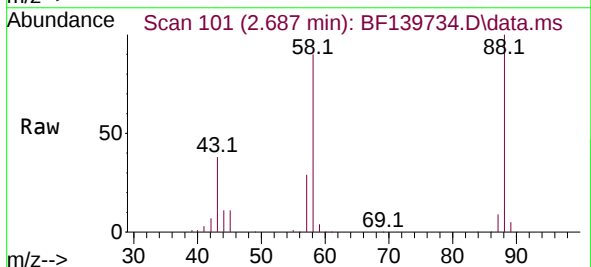
Instrument :
 BNA_F
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 EXCAVATION-SOILMSD

Tgt Ion:152 Resp: 84080
 Ion Ratio Lower Upper
 152 100
 150 160.8 127.2 190.8
 115 59.0 49.0 73.4



#2
 1,4-Dioxane
 Concen: 44.133 ng
 RT: 2.687 min Scan# 101
 Delta R.T. 0.047 min
 Lab File: BF139734.D
 Acq: 09 Oct 2024 20:52

Tgt Ion: 88 Resp: 92560
 Ion Ratio Lower Upper
 88 100
 58 91.4 72.0 108.0
 43 38.4 30.8 46.2

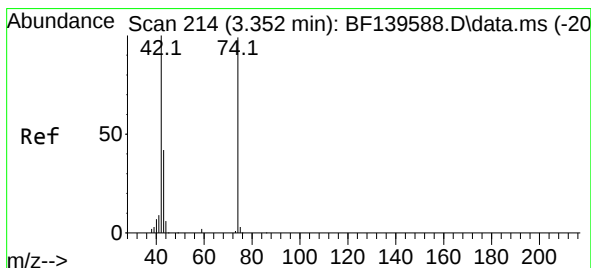
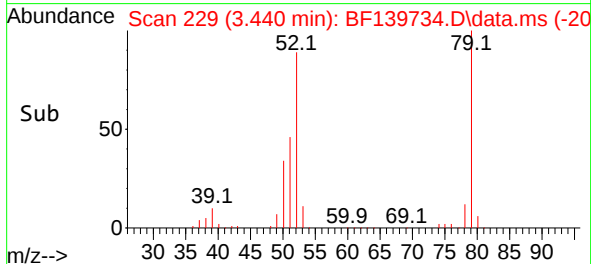
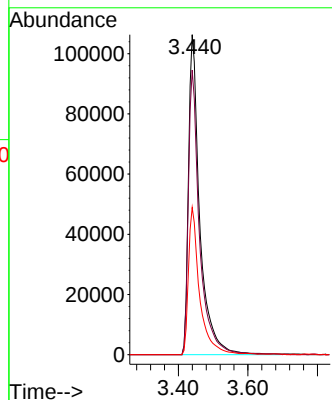
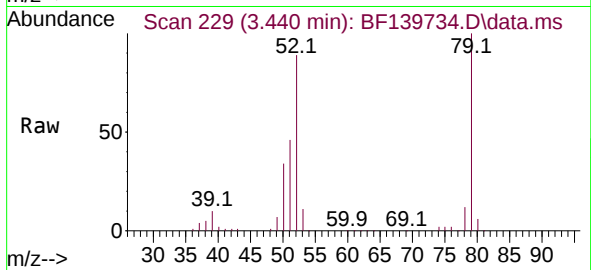




#3
Pyridine
Concen: 47.133 ng
RT: 3.440 min Scan# 21
Delta R.T. 0.047 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

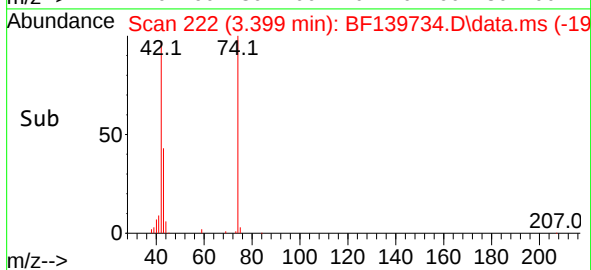
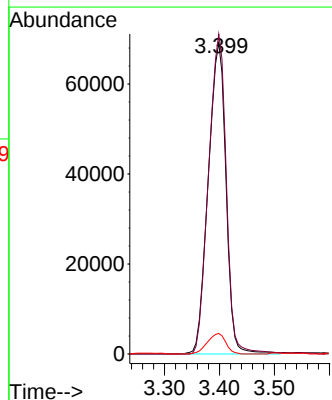
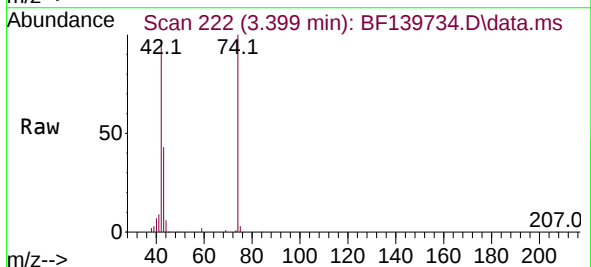
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILMSD

Tgt Ion: 79 Resp: 240413
Ion Ratio Lower Upper
79 100
52 89.0 72.6 109.0
51 46.0 37.5 56.3



#4
n-Nitrosodimethylamine
Concen: 46.494 ng
RT: 3.399 min Scan# 222
Delta R.T. 0.047 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

Tgt Ion: 42 Resp: 155233
Ion Ratio Lower Upper
42 100
74 102.8 79.0 118.6
44 6.6 5.2 7.8

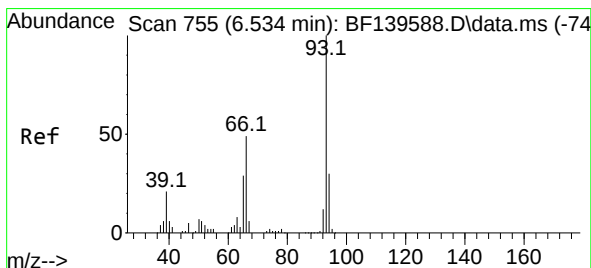
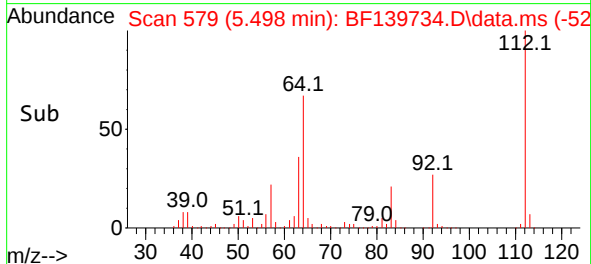
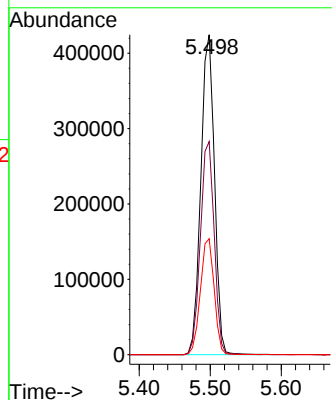
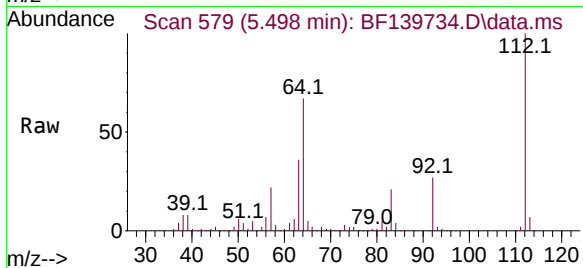




#5
2-Fluorophenol
Concen: 117.320 ng
RT: 5.498 min Scan# 511
Delta R.T. 0.011 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

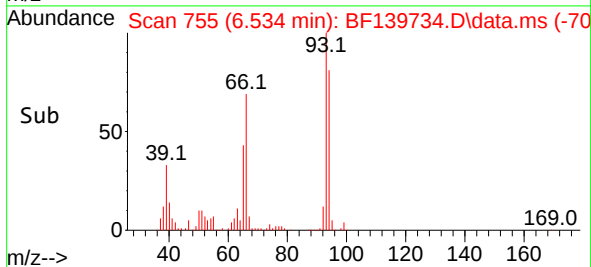
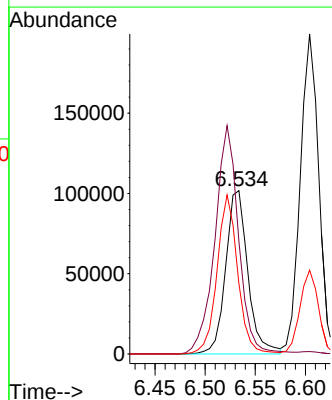
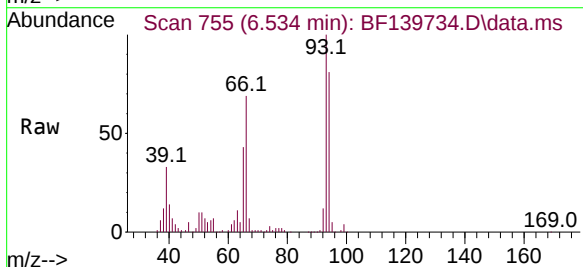
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILMSD

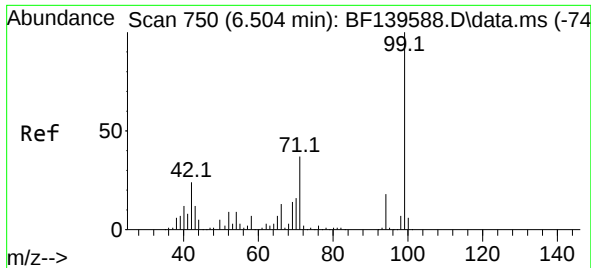
Tgt Ion:112 Resp: 569119
Ion Ratio Lower Upper
112 100
64 66.6 54.2 81.4
63 36.3 29.4 44.2



#6
Aniline
Concen: 27.054 ng
RT: 6.534 min Scan# 755
Delta R.T. -0.000 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

Tgt Ion: 93 Resp: 156613
Ion Ratio Lower Upper
93 100
66 68.9 40.9 61.3#
65 43.0 23.3 34.9#





#7

Phenol-d6

Concen: 115.550 ng

RT: 6.510 min Scan# 751

Delta R.T. 0.006 min

Lab File: BF139734.D

Acq: 09 Oct 2024 20:52

Instrument :

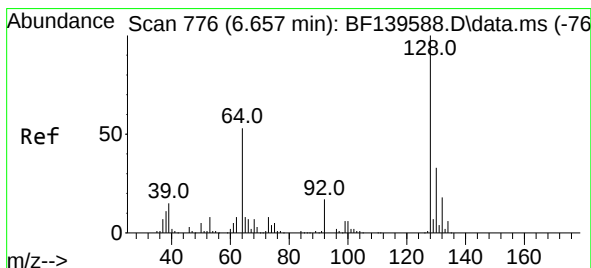
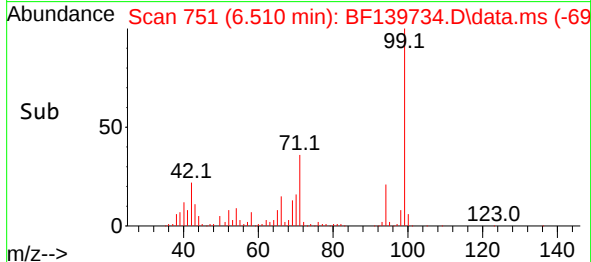
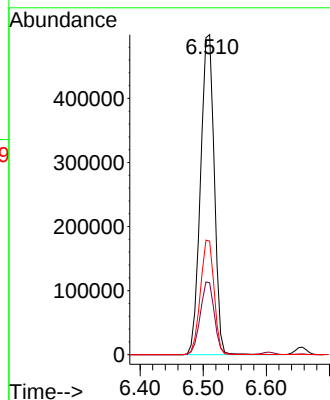
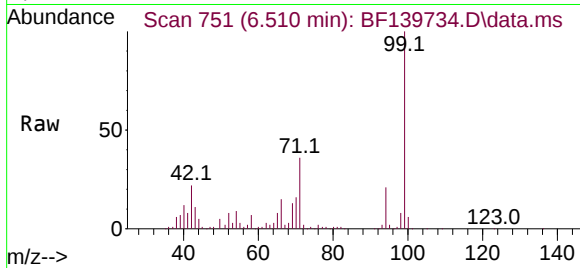
BNA_F

ClientSampleId :

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Tgt Ion: 99 Resp: 753802

Ion	Ratio	Lower	Upper
99	100		
42	22.5	19.1	28.7
71	35.5	29.7	44.5



#8

2-Chlorophenol

Concen: 49.531 ng

RT: 6.657 min Scan# 776

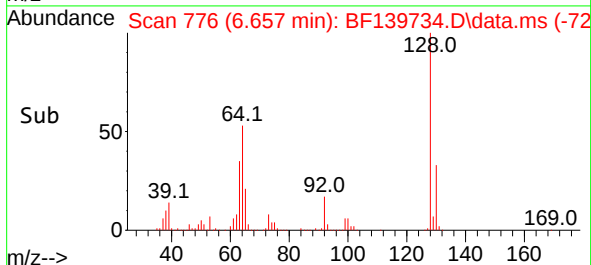
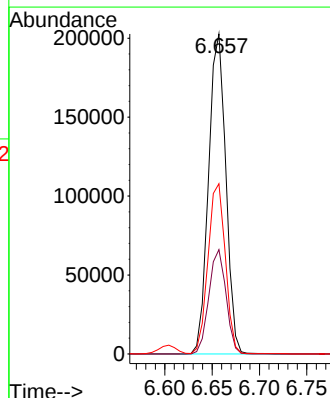
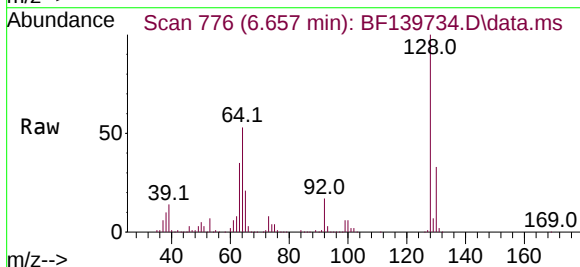
Delta R.T. -0.000 min

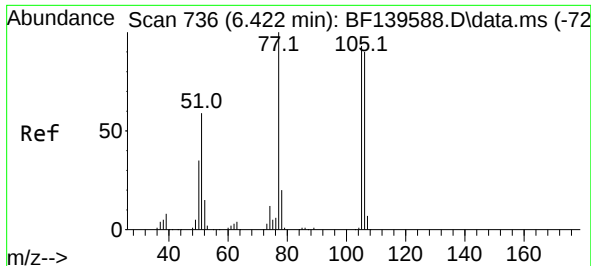
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Tgt Ion:128 Resp: 257428

Ion	Ratio	Lower	Upper
128	100		
130	32.6	13.2	53.2
64	53.2	35.1	75.1





#9

Benzaldehyde

Concen: 22.462 ng

RT: 6.416 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF139734.D

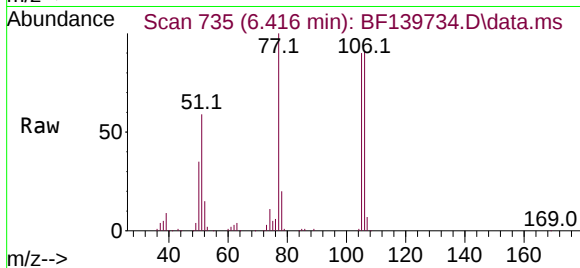
Acq: 09 Oct 2024 20:52

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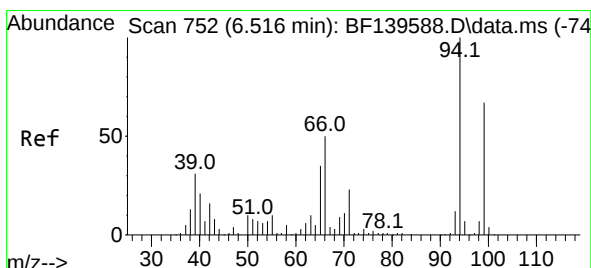
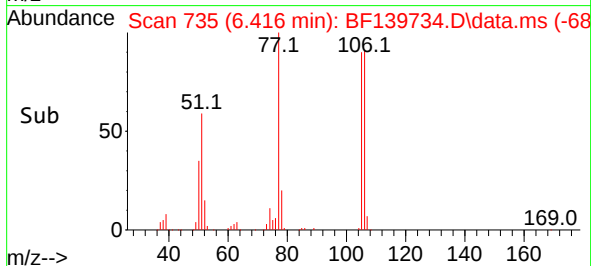
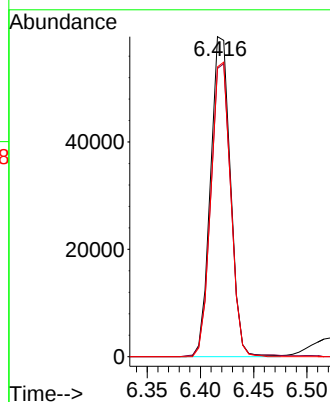
Tgt Ion: 77 Resp: 77622

Ion Ratio Lower Upper

77 100

105 90.1 72.7 112.7

106 90.5 70.1 110.1



#10

Phenol

Concen: 48.166 ng

RT: 6.522 min Scan# 753

Delta R.T. 0.006 min

Lab File: BF139734.D

Acq: 09 Oct 2024 20:52

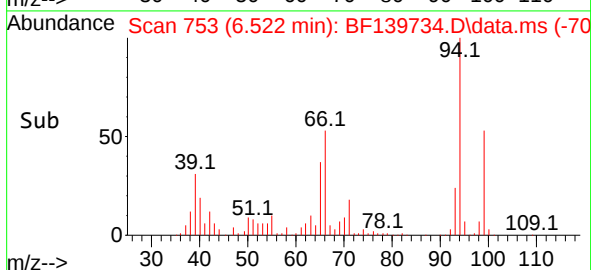
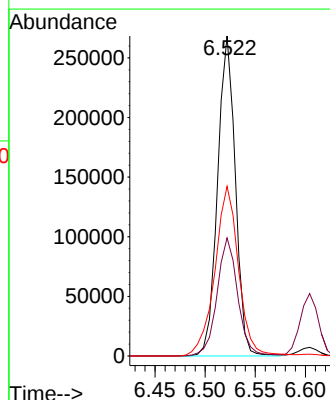
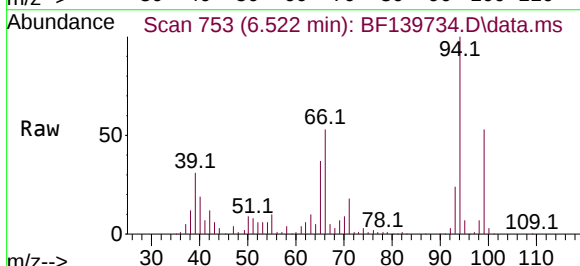
Tgt Ion: 94 Resp: 330397

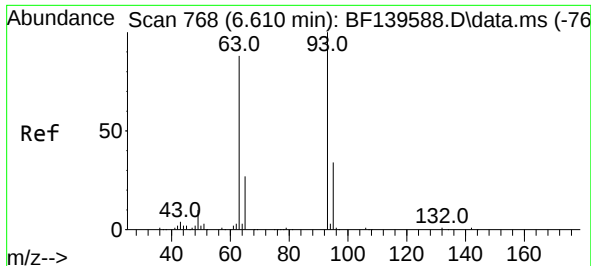
Ion Ratio Lower Upper

94 100

65 36.9 15.3 55.3

66 53.0 30.5 70.5





#11

bis(2-Chloroethyl)ether

Concen: 45.200 ng

RT: 6.604 min Scan# 768

Delta R.T. -0.006 min

Lab File: BF139734.D

Acq: 09 Oct 2024 20:52

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOILMSD

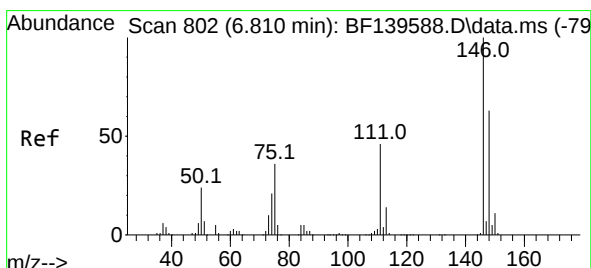
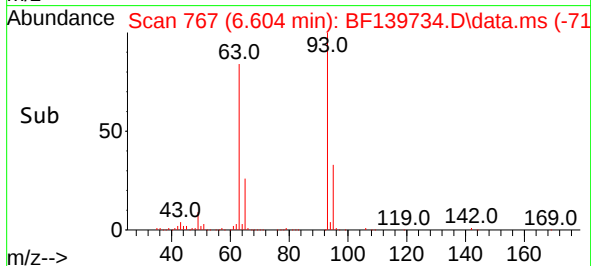
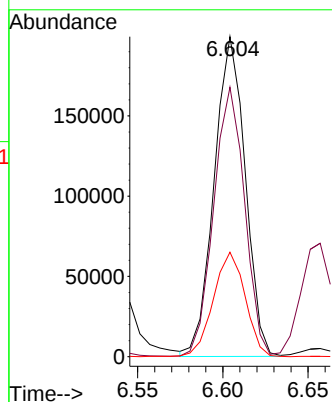
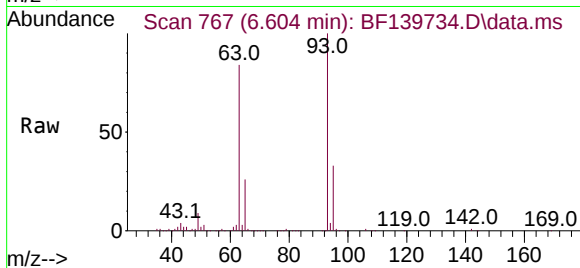
Tgt Ion: 93 Resp: 252446

Ion Ratio Lower Upper

93 100

63 84.2 64.1 104.1

95 32.7 12.3 52.3



#12

1,3-Dichlorobenzene

Concen: 45.926 ng

RT: 6.810 min Scan# 802

Delta R.T. -0.000 min

Lab File: BF139734.D

Acq: 09 Oct 2024 20:52

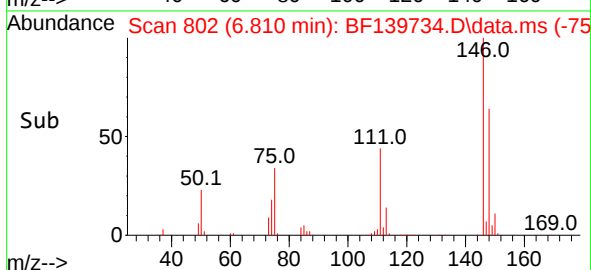
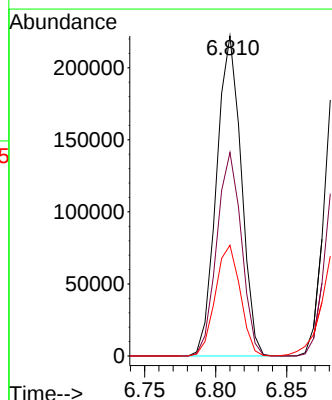
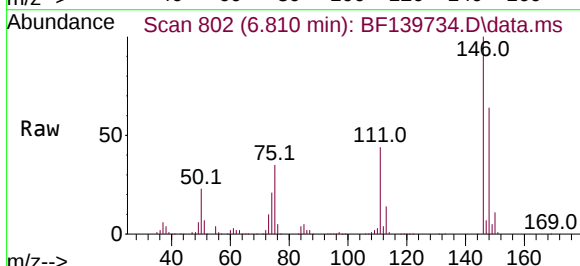
Tgt Ion: 146 Resp: 268519

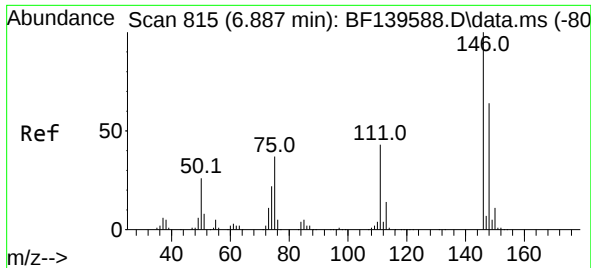
Ion Ratio Lower Upper

146 100

148 63.6 50.2 75.4

75 34.6 28.5 42.7

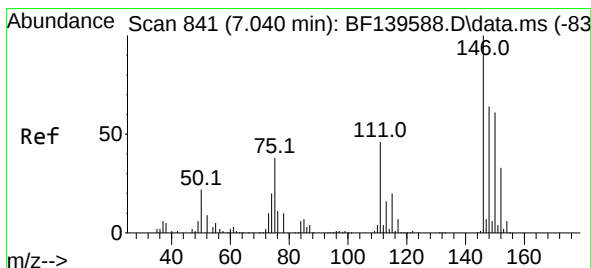
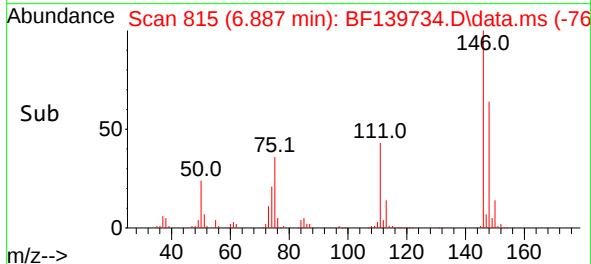
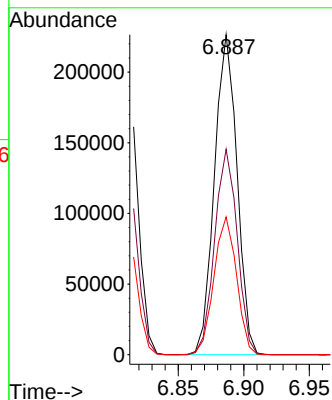
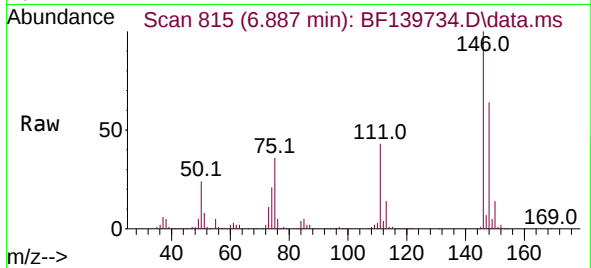




#13
1,4-Dichlorobenzene
Concen: 45.834 ng
RT: 6.887 min Scan# 815
Delta R.T. -0.000 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

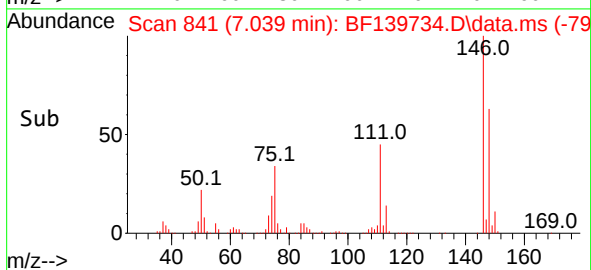
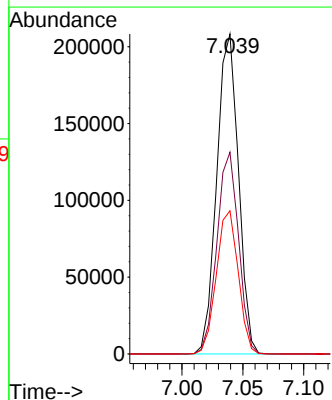
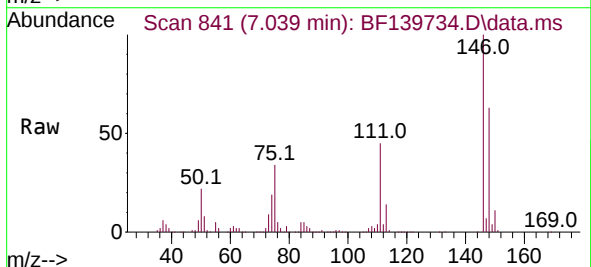
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILMSD

Tgt Ion:146 Resp: 271410
Ion Ratio Lower Upper
146 100
148 64.2 51.0 76.6
111 43.1 34.9 52.3



#14
1,2-Dichlorobenzene
Concen: 46.624 ng
RT: 7.039 min Scan# 841
Delta R.T. -0.000 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

Tgt Ion:146 Resp: 258757
Ion Ratio Lower Upper
146 100
148 63.0 51.2 76.8
111 44.7 37.0 55.6

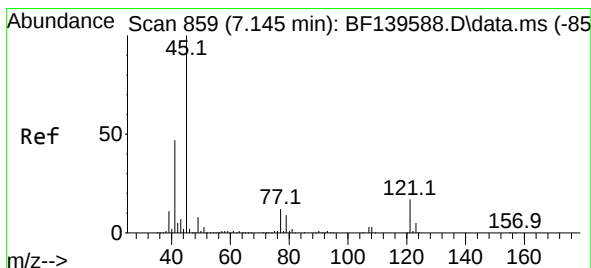
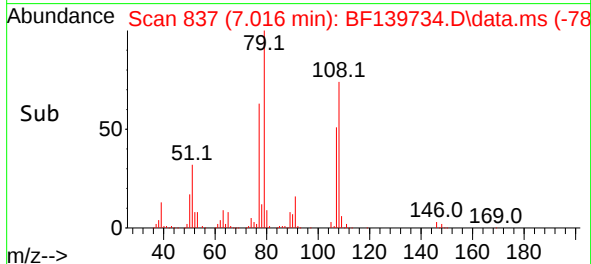
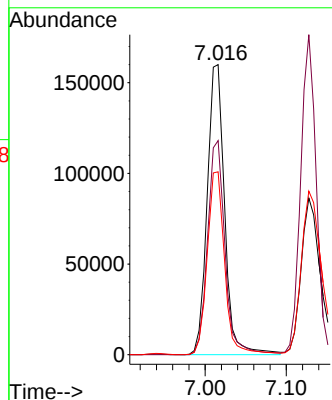
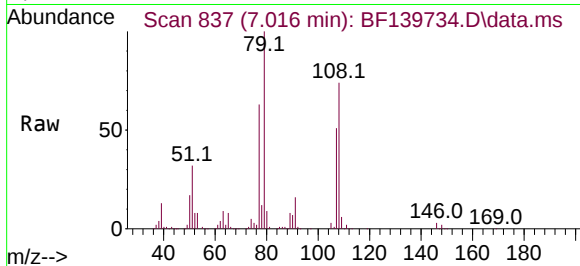




#15
Benzyl Alcohol
Concen: 47.927 ng
RT: 7.016 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

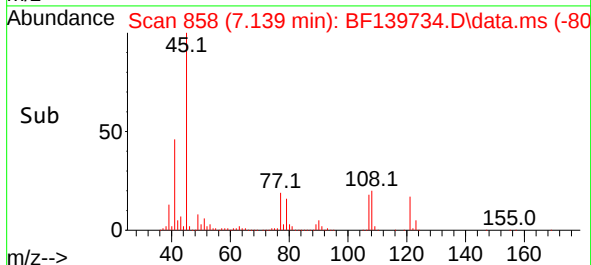
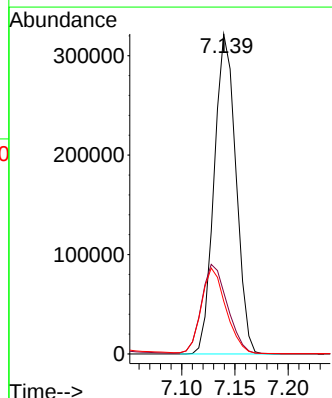
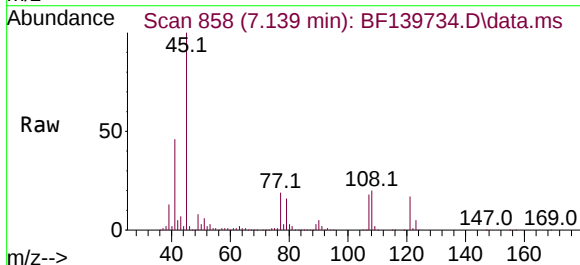
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILMSD

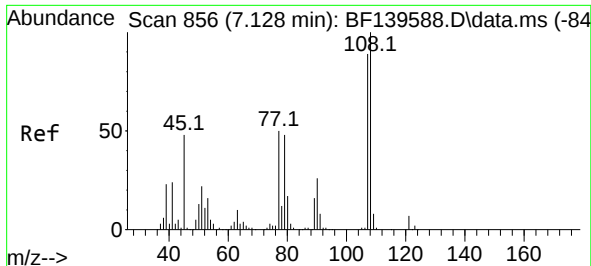
Tgt Ion: 79 Resp: 238887
Ion Ratio Lower Upper
79 100
108 73.8 55.1 82.7
77 63.0 50.8 76.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.215 ng
RT: 7.139 min Scan# 858
Delta R.T. -0.006 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

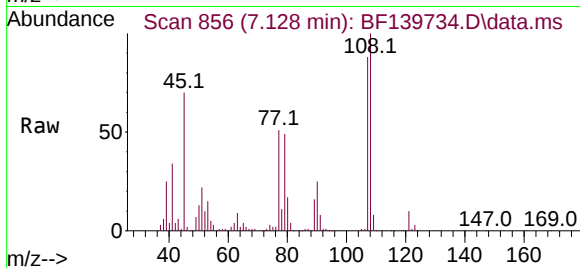
Tgt Ion: 45 Resp: 456518
Ion Ratio Lower Upper
45 100
77 19.2 0.0 32.5
79 16.5 0.0 29.7



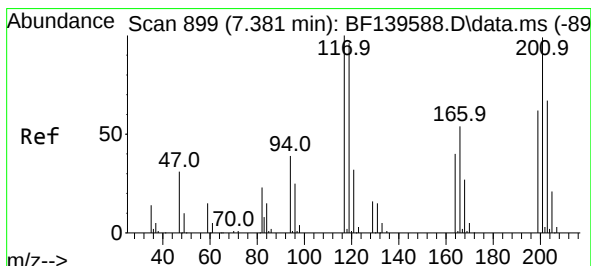
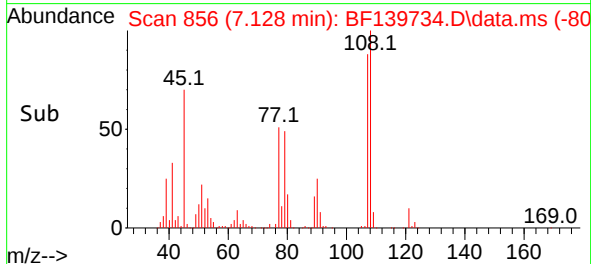
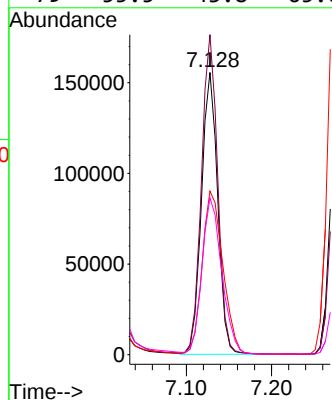


#17
2-Methylphenol
Concen: 47.447 ng
RT: 7.128 min Scan# 856
Delta R.T. -0.000 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILMSD

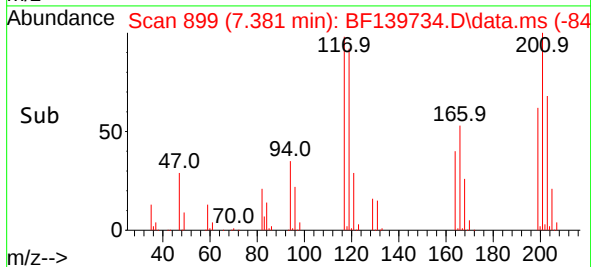
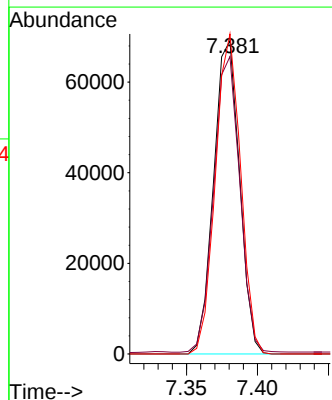
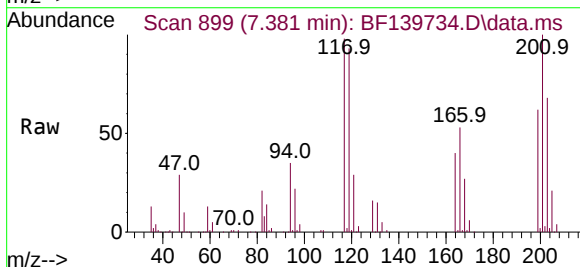


Tgt Ion:	107	Resp:	205867
Ion	Ratio	Lower	Upper
107	100		
108	113.4	89.8	134.6
77	57.9	44.6	67.0
79	55.5	43.8	65.6



#18
Hexachloroethane
Concen: 39.671 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.000 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

Tgt Ion:	117	Resp:	87623
Ion	Ratio	Lower	Upper
117	100		
119	95.0	77.0	115.6
201	102.2	79.2	118.8



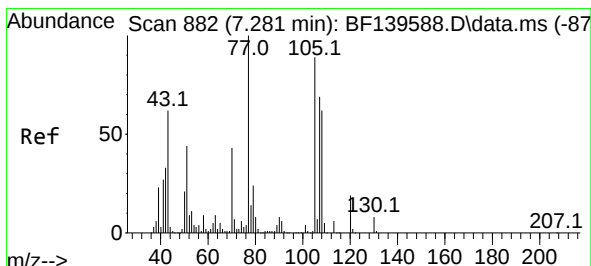
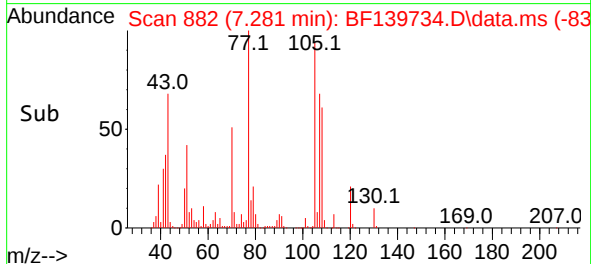
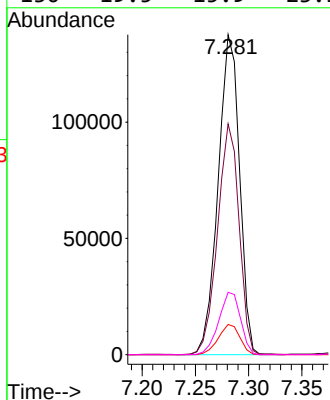
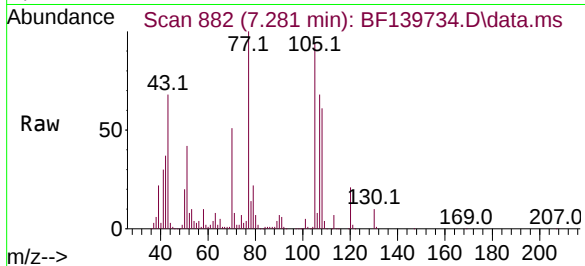


#19
n-Nitroso-di-n-propylamine
Concen: 45.847 ng
RT: 7.281 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILMSD

Tgt Ion: 70 Resp: 192287

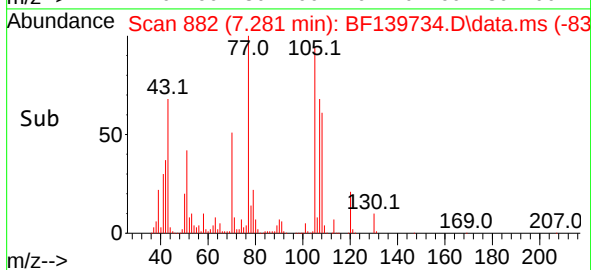
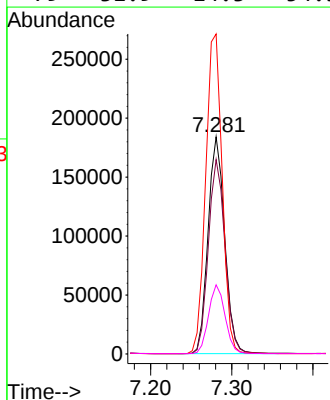
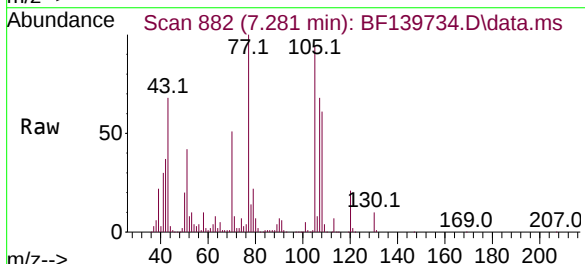
Ion	Ratio	Lower	Upper
70	100		
42	72.2	58.0	87.0
101	9.4	7.8	11.8
130	19.5	15.9	23.9



#20
3+4-Methylphenols
Concen: 48.008 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.000 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

Tgt Ion: 107 Resp: 261634

Ion	Ratio	Lower	Upper
107	100		
108	89.5	70.2	110.2
77	147.4	125.3	165.3
79	31.9	14.3	54.3

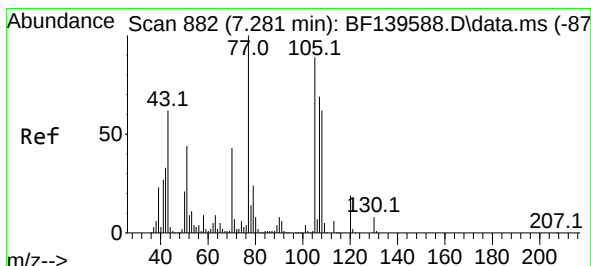
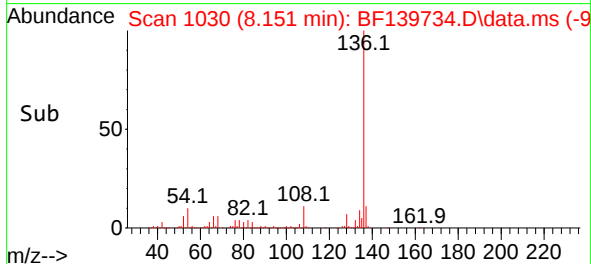
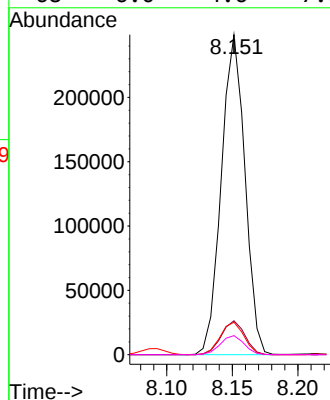
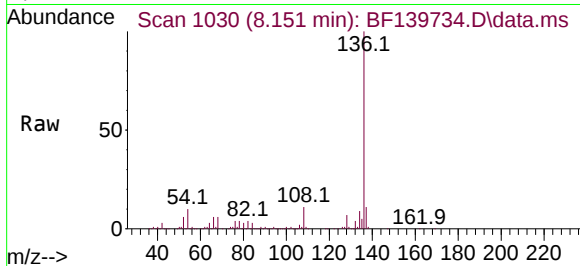




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

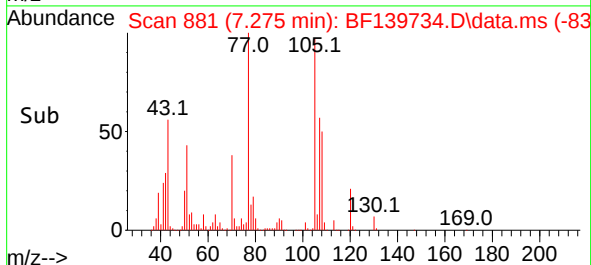
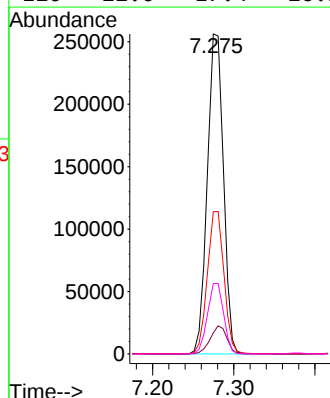
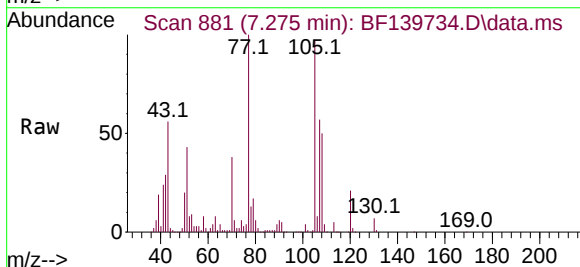
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILMSD

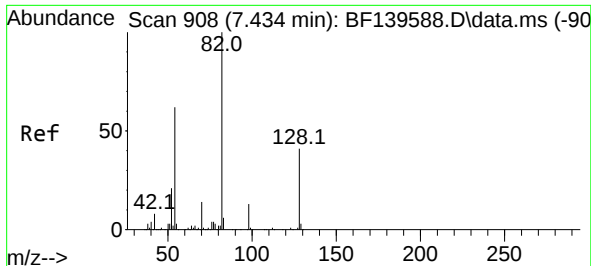
Tgt Ion:	136	Resp:	311222
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	10.1	8.3	12.5
68	6.0	4.6	7.0



#22
Acetophenone
Concen: 47.858 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.006 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

Tgt Ion:	105	Resp:	353550
Ion	Ratio	Lower	Upper
105	100		
71	6.6	6.6	10.0#
51	44.4	39.4	59.0
120	22.0	17.4	26.2

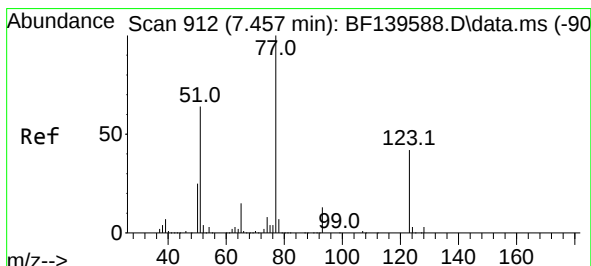
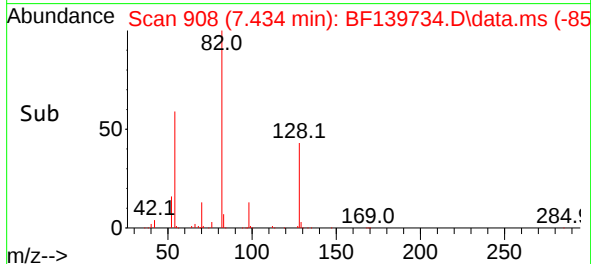
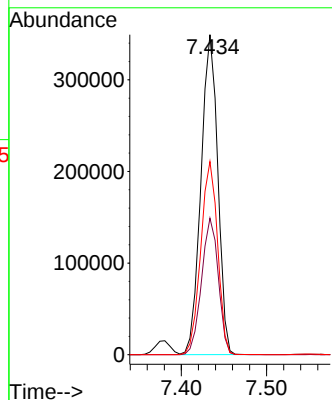
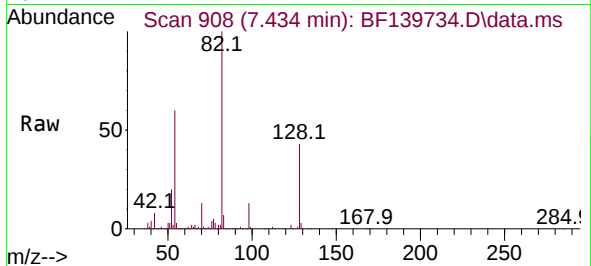




#23
Nitrobenzene-d5
Concen: 77.904 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.000 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

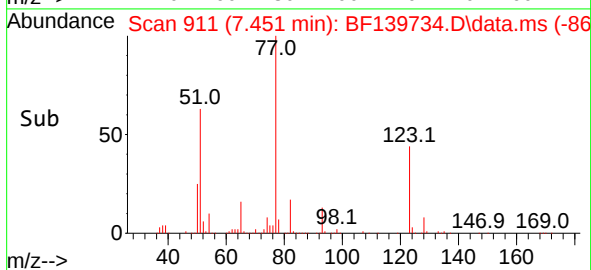
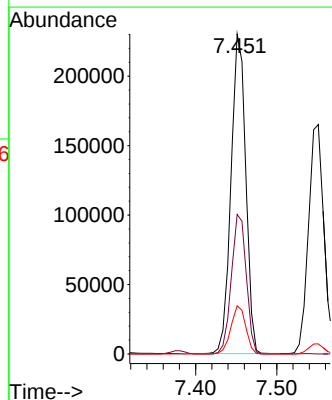
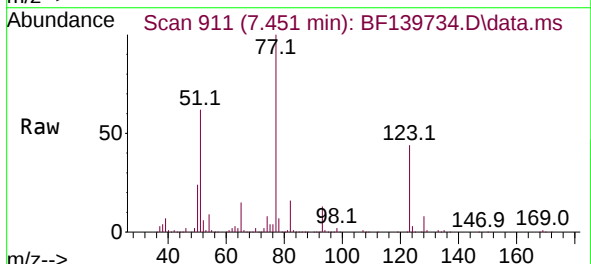
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILMSD

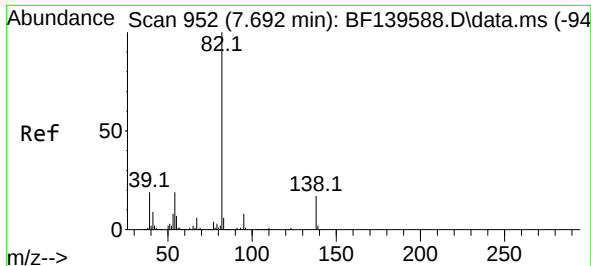
Tgt Ion: 82 Resp: 478874
Ion Ratio Lower Upper
82 100
128 42.6 32.4 48.6
54 60.3 49.1 73.7



#24
Nitrobenzene
Concen: 45.558 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

Tgt Ion: 77 Resp: 289984
Ion Ratio Lower Upper
77 100
123 43.6 34.2 51.4
65 15.1 12.1 18.1

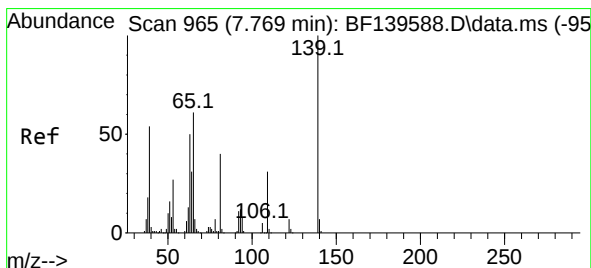
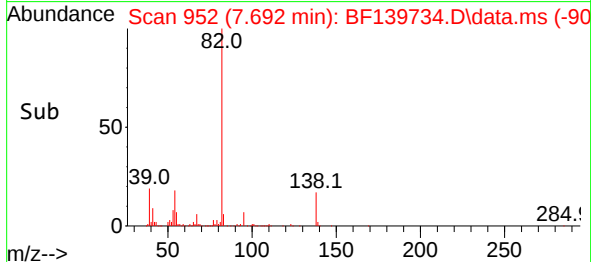
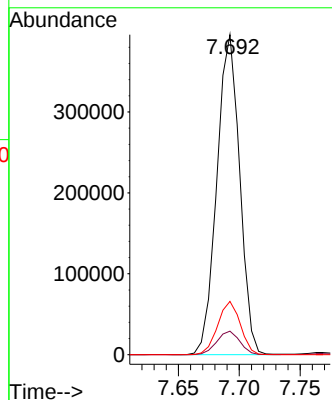
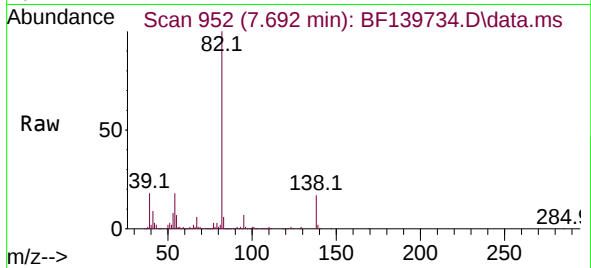




#25
Isophorone
Concen: 47.289 ng
RT: 7.692 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

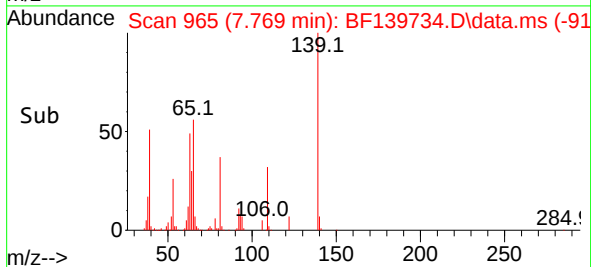
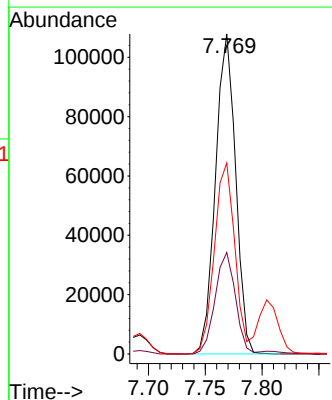
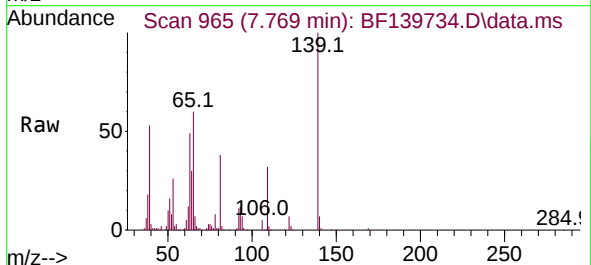
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILMSD

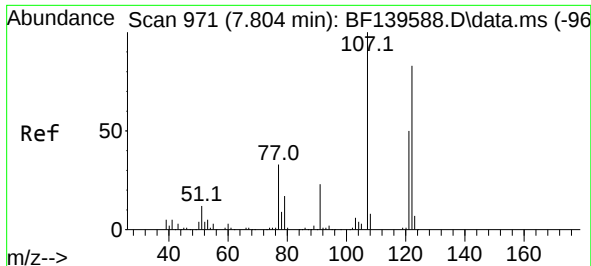
Tgt Ion: 82 Resp: 516292
Ion Ratio Lower Upper
82 100
95 7.4 6.1 9.1
138 16.7 13.4 20.2



#26
2-Nitrophenol
Concen: 48.557 ng
RT: 7.769 min Scan# 965
Delta R.T. -0.000 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

Tgt Ion:139 Resp: 132870
Ion Ratio Lower Upper
139 100
109 31.7 24.9 37.3
65 59.7 48.6 72.8





#27

2,4-Dimethylphenol

Concen: 59.106 ng

RT: 7.804 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF139734.D

Acq: 09 Oct 2024 20:52

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOILMSD

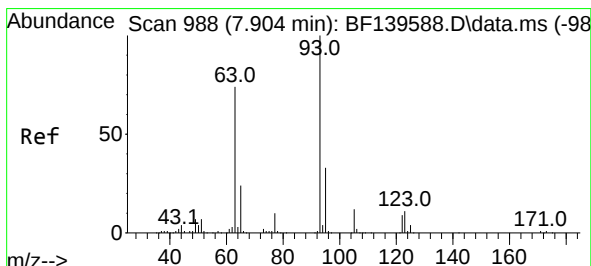
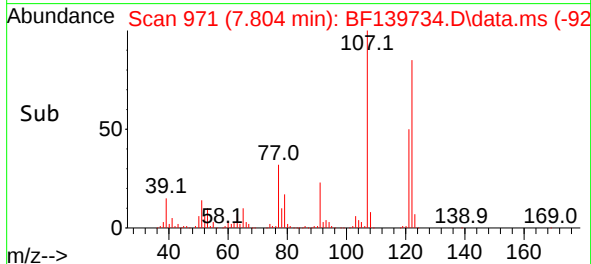
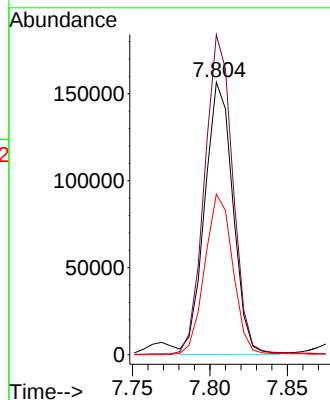
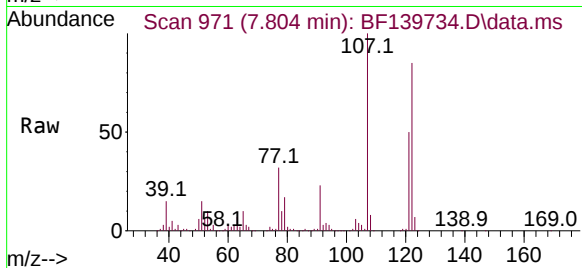
Tgt Ion:122 Resp: 197996

Ion Ratio Lower Upper

122 100

107 117.4 95.4 143.0

121 58.9 47.4 71.2



#28

bis(2-Chloroethoxy)methane

Concen: 47.246 ng

RT: 7.898 min Scan# 987

Delta R.T. -0.006 min

Lab File: BF139734.D

Acq: 09 Oct 2024 20:52

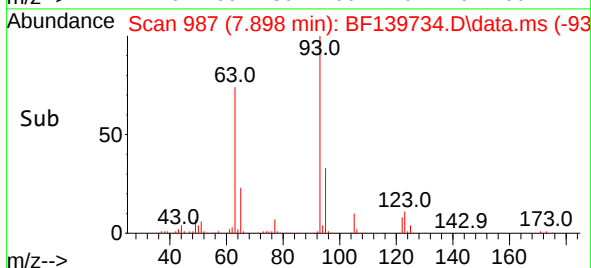
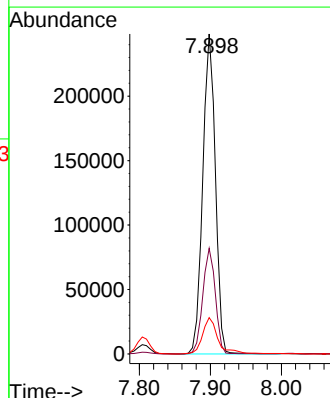
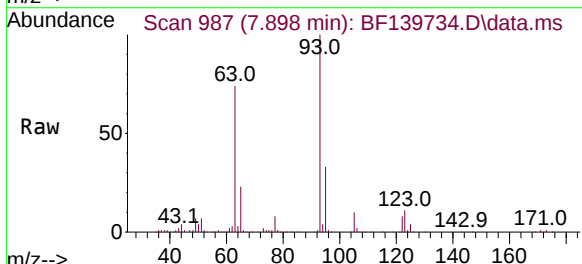
Tgt Ion: 93 Resp: 308018

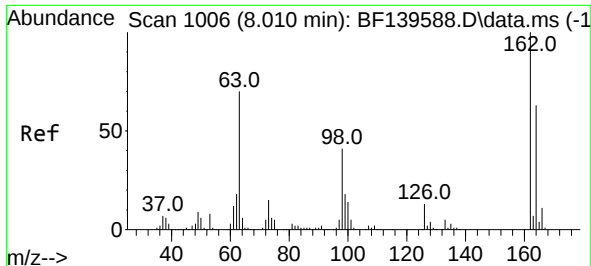
Ion Ratio Lower Upper

93 100

95 33.0 26.5 39.7

123 11.3 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 48.133 ng

RT: 8.010 min Scan# 1006

Delta R.T. -0.000 min

Lab File: BF139734.D

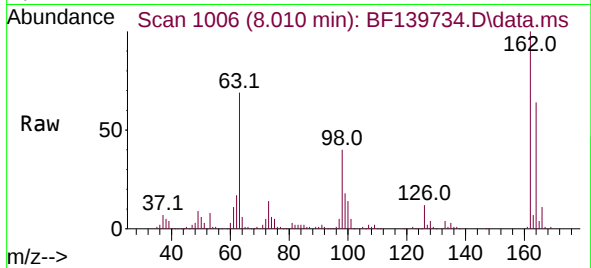
Acq: 09 Oct 2024 20:52

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOILMSD



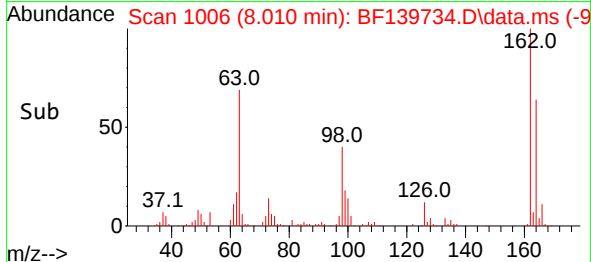
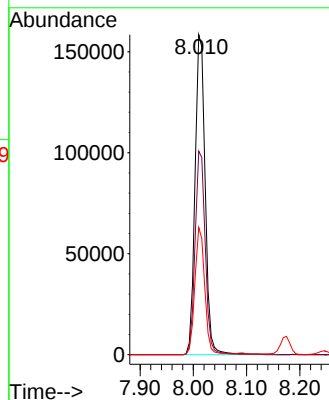
Tgt Ion:162 Resp: 210310

Ion Ratio Lower Upper

162 100

164 63.6 43.1 83.1

98 39.7 20.8 60.8



#30

1,2,4-Trichlorobenzene

Concen: 44.947 ng

RT: 8.092 min Scan# 1020

Delta R.T. -0.000 min

Lab File: BF139734.D

Acq: 09 Oct 2024 20:52

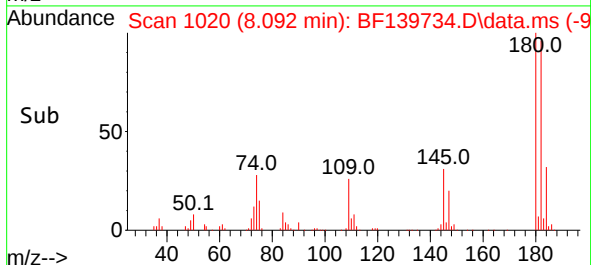
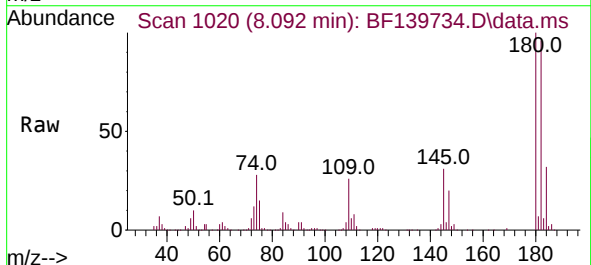
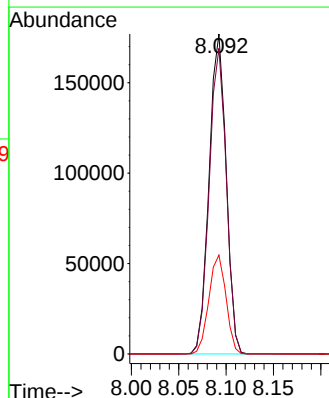
Tgt Ion:180 Resp: 222098

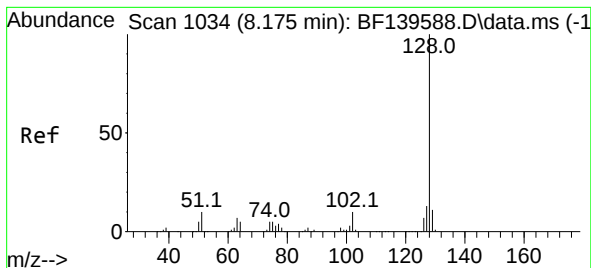
Ion Ratio Lower Upper

180 100

182 95.5 76.0 114.0

145 30.9 25.0 37.6





#31

Naphthalene

Concen: 46.925 ng

RT: 8.175 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139734.D

Acq: 09 Oct 2024 20:52

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOILMSD

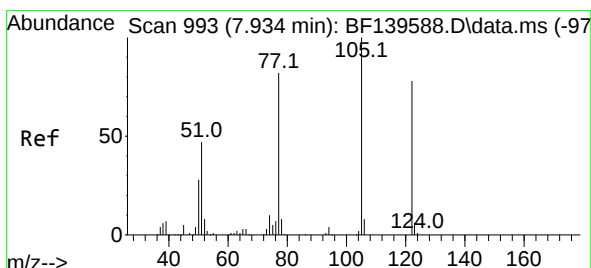
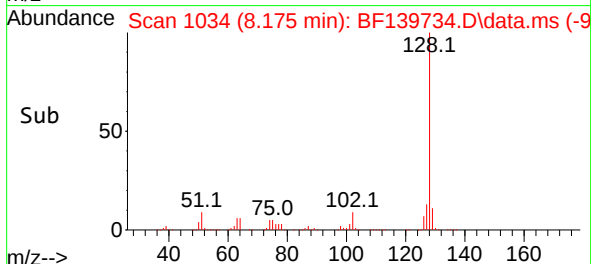
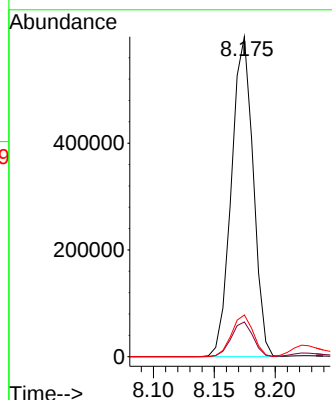
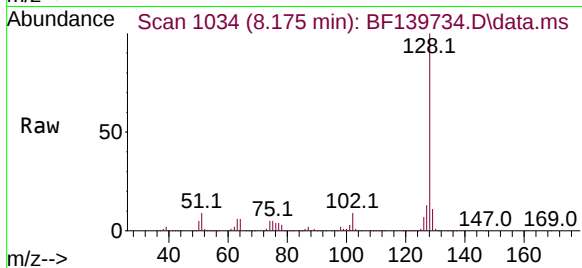
Tgt Ion:128 Resp: 746696

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

127 13.0 10.5 15.7



#32

Benzoic acid

Concen: 36.402 ng

RT: 7.928 min Scan# 992

Delta R.T. -0.006 min

Lab File: BF139734.D

Acq: 09 Oct 2024 20:52

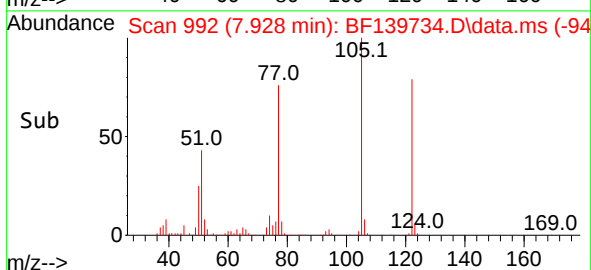
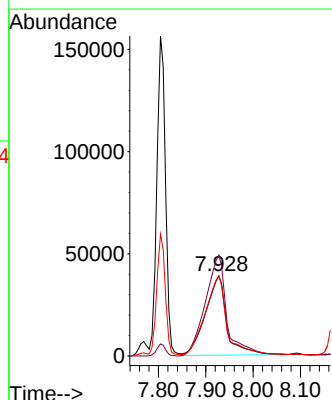
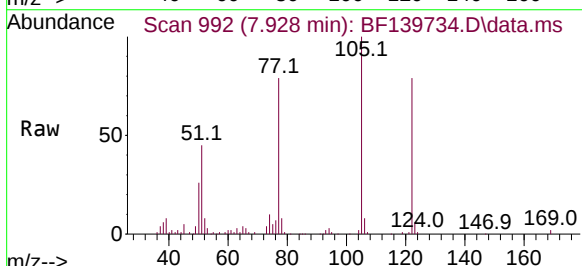
Tgt Ion:122 Resp: 121252

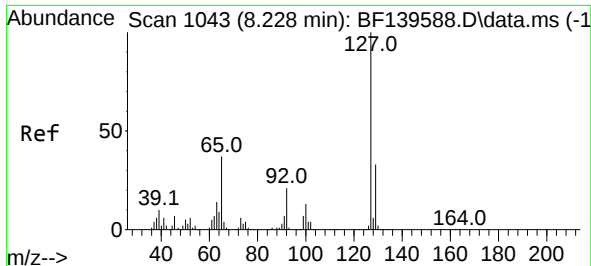
Ion Ratio Lower Upper

122 100

105 126.4 104.9 144.9

77 100.1 82.7 122.7

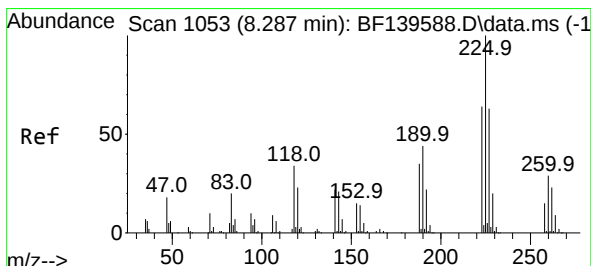
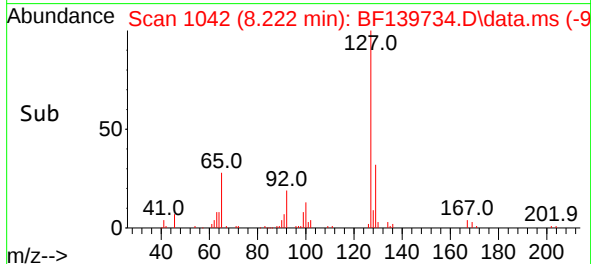
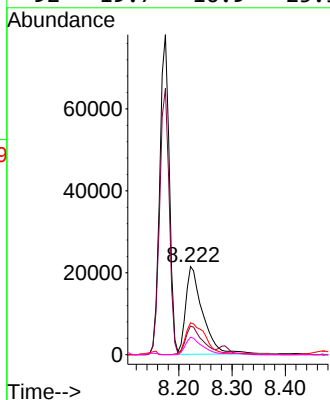
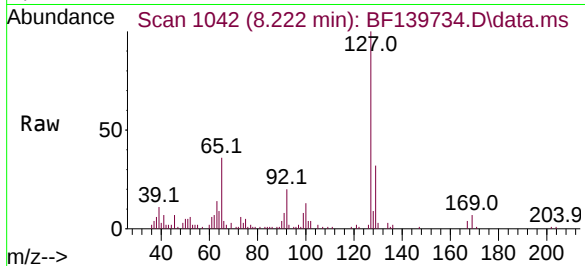




#33
4-Chloroaniline
Concen: 8.816 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

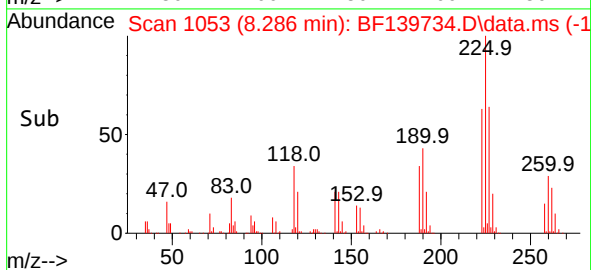
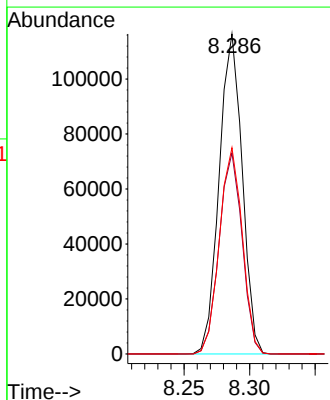
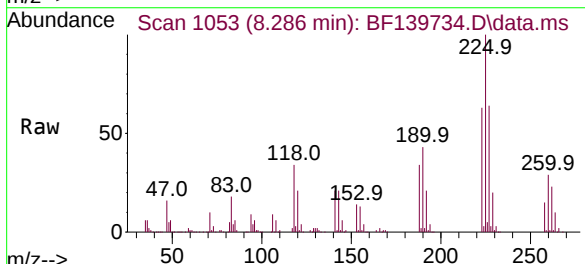
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILMSD

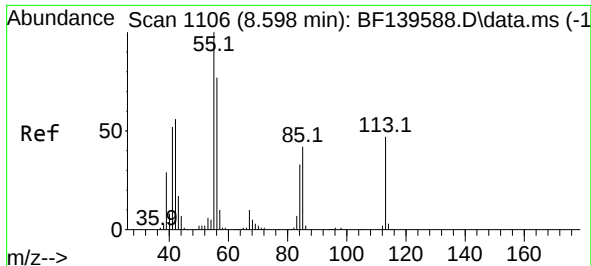
Tgt Ion:	127	Resp:	47486
Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.2	39.4
65	36.1	29.3	43.9
92	19.7	16.9	25.3



#34
Hexachlorobutadiene
Concen: 44.380 ng
RT: 8.286 min Scan# 1053
Delta R.T. -0.000 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

Tgt Ion:	225	Resp:	141914
Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.9	76.3
227	64.4	50.7	76.1

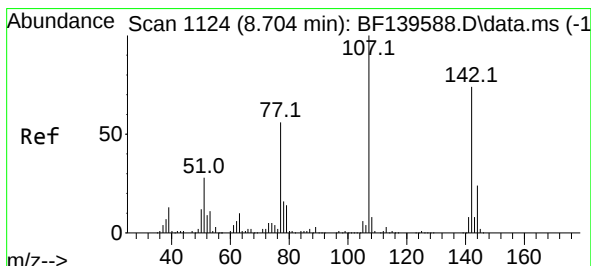
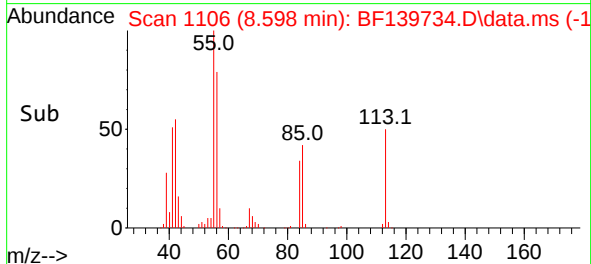
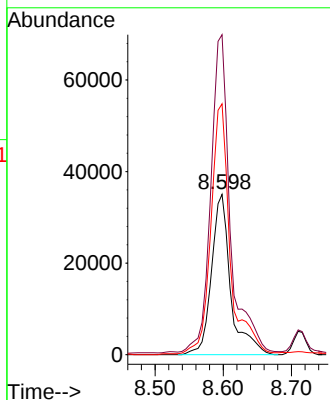
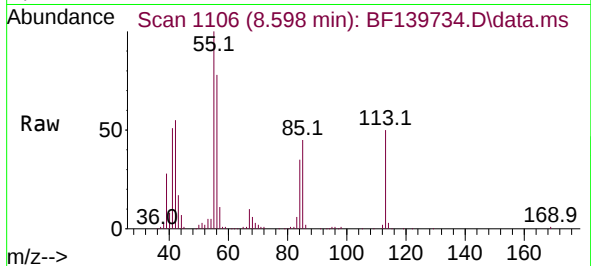




#35
Caprolactam
Concen: 47.877 ng
RT: 8.598 min Scan# 1106
Delta R.T. -0.000 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

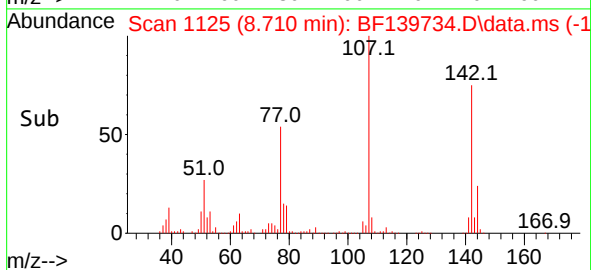
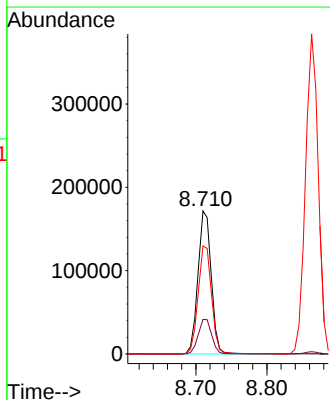
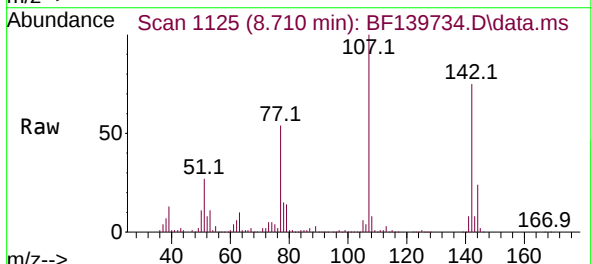
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILMSD

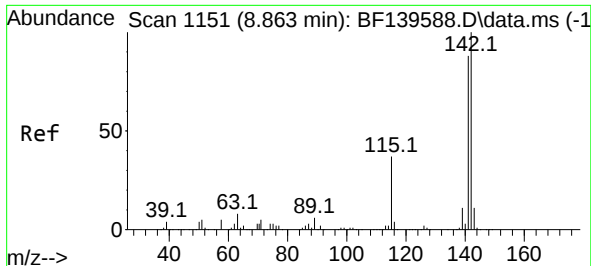
Tgt Ion:113 Resp: 68614
Ion Ratio Lower Upper
113 100
55 199.6 193.4 233.4
56 156.5 143.8 183.8



#36
4-Chloro-3-methylphenol
Concen: 45.305 ng
RT: 8.710 min Scan# 1125
Delta R.T. 0.006 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

Tgt Ion:107 Resp: 224086
Ion Ratio Lower Upper
107 100
144 24.2 19.0 28.6
142 75.5 59.2 88.8





#37

2-Methylnaphthalene

Concen: 46.114 ng

RT: 8.863 min Scan# 1151

Delta R.T. -0.000 min

Lab File: BF139734.D

Acq: 09 Oct 2024 20:52

Instrument :

BNA_F

ClientSampleId :

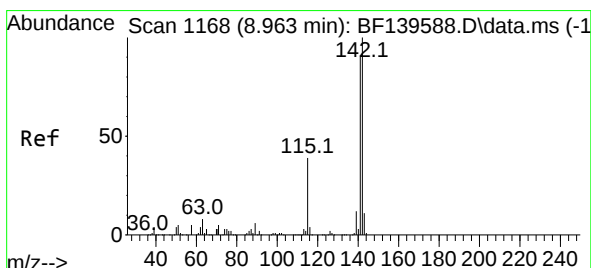
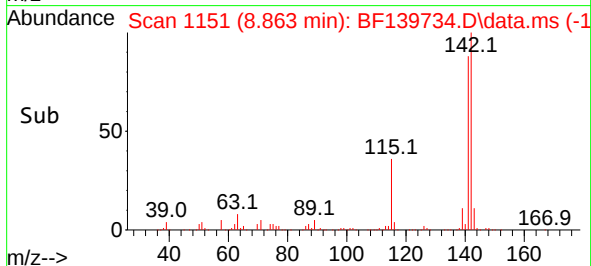
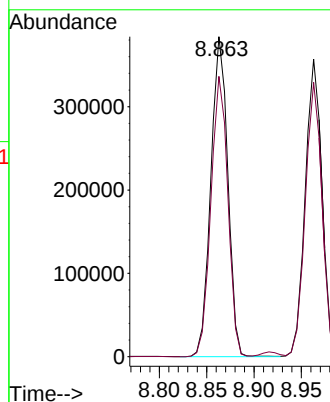
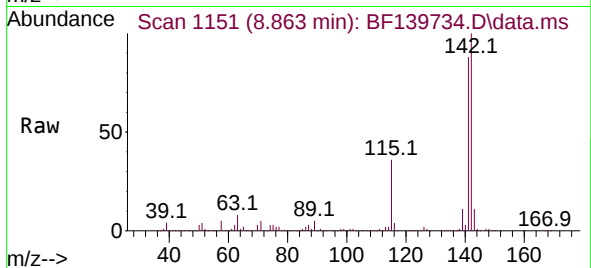
EXCAVATION-SOILMSD

Tgt Ion:142 Resp: 477906

Ion Ratio Lower Upper

142 100

141 87.6 70.4 105.6



#38

1-Methylnaphthalene

Concen: 43.204 ng

RT: 8.963 min Scan# 1168

Delta R.T. -0.000 min

Lab File: BF139734.D

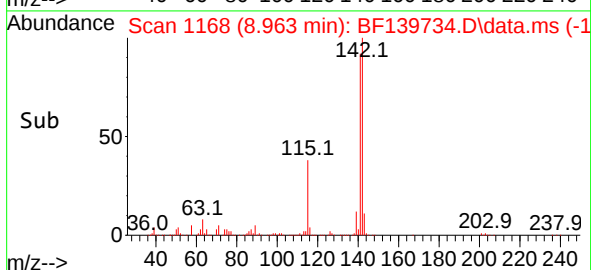
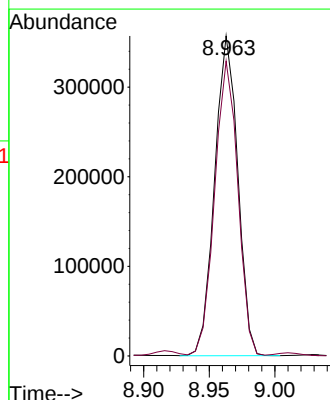
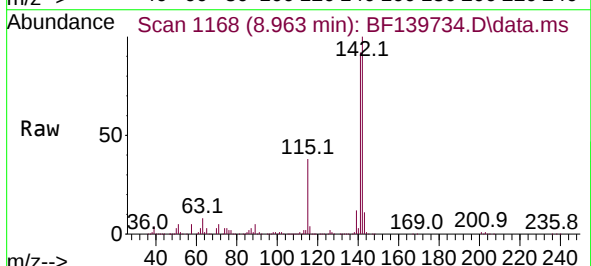
Acq: 09 Oct 2024 20:52

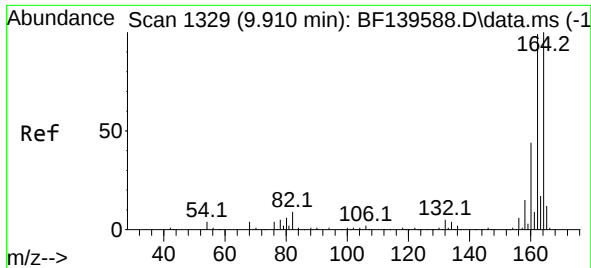
Tgt Ion:142 Resp: 437664

Ion Ratio Lower Upper

142 100

141 92.2 73.0 109.4

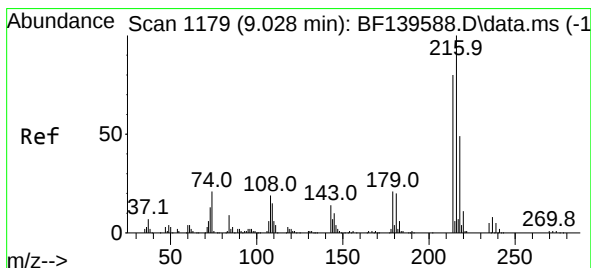
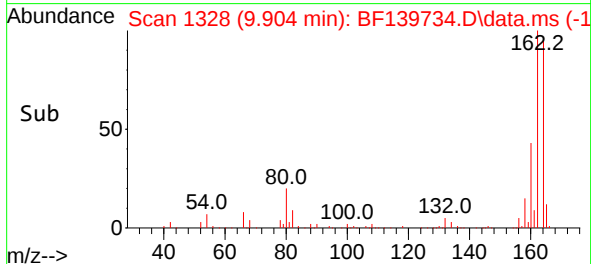
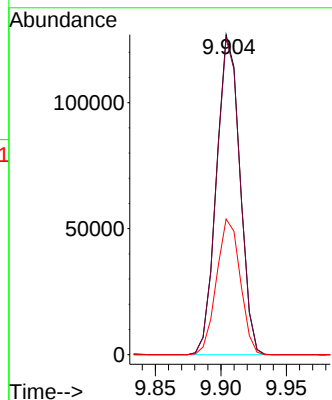
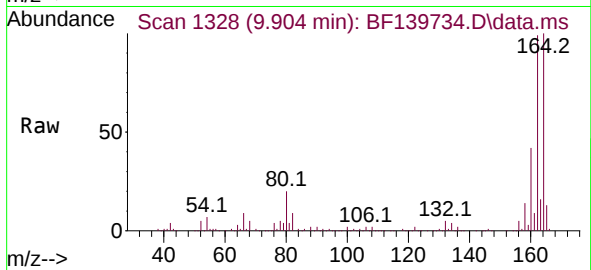




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1179
Delta R.T. -0.006 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

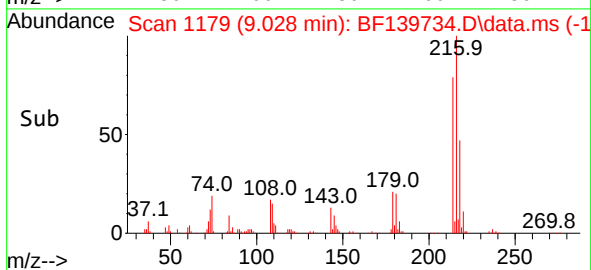
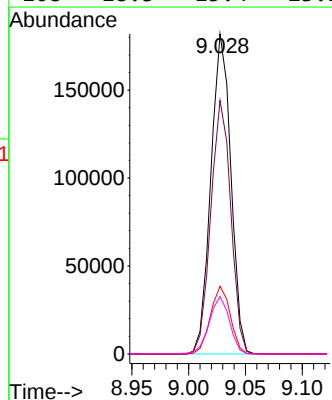
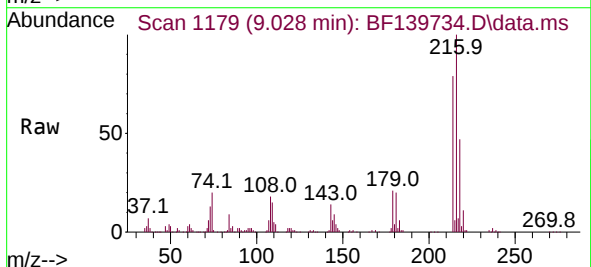
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILMSD

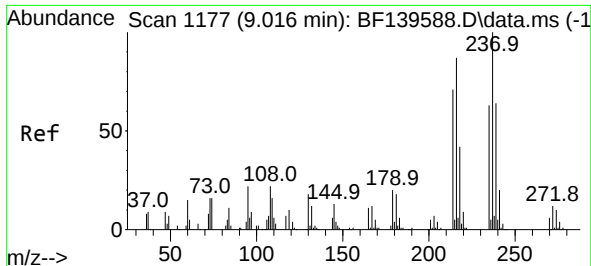
Tgt Ion:164 Resp: 157297
Ion Ratio Lower Upper
164 100
162 98.9 79.4 119.0
160 42.4 35.1 52.7



#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.970 ng
RT: 9.028 min Scan# 1179
Delta R.T. -0.000 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

Tgt Ion:216 Resp: 222635
Ion Ratio Lower Upper
216 100
214 79.1 63.7 95.5
179 21.0 16.9 25.3
108 18.3 15.4 23.2

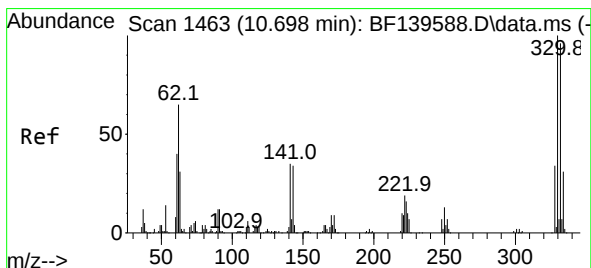
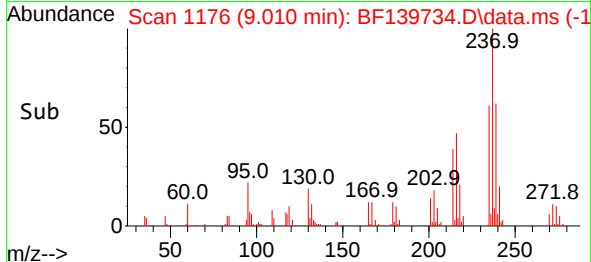
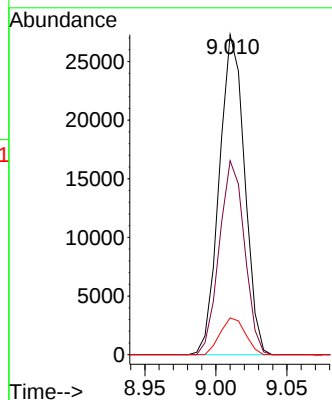
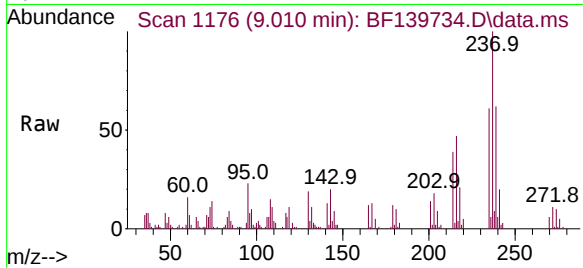




#41
Hexachlorocyclopentadiene
Concen: 25.244 ng
RT: 9.010 min Scan# 1177
Delta R.T. -0.006 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

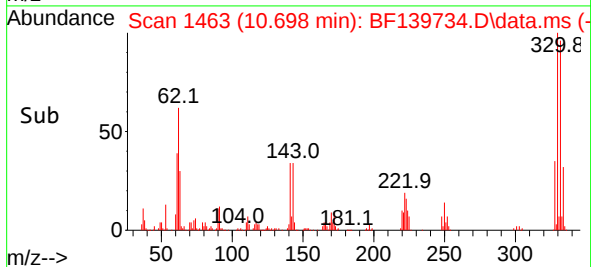
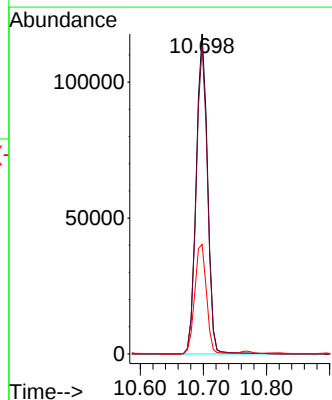
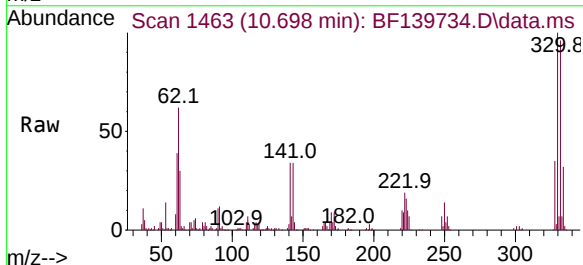
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILMSD

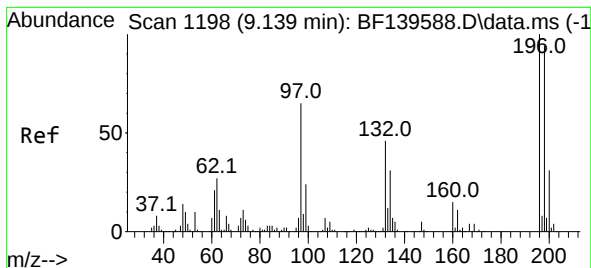
Tgt Ion:237 Resp: 33810
Ion Ratio Lower Upper
237 100
235 60.6 42.5 82.5
272 11.5 0.0 32.1



#42
2,4,6-Tribromophenol
Concen: 96.549 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

Tgt Ion:330 Resp: 146605
Ion Ratio Lower Upper
330 100
332 96.1 76.5 114.7
141 35.7 29.3 43.9





#43

2,4,6-Trichlorophenol

Concen: 49.574 ng

RT: 9.145 min Scan# 1198

Delta R.T. 0.006 min

Lab File: BF139734.D

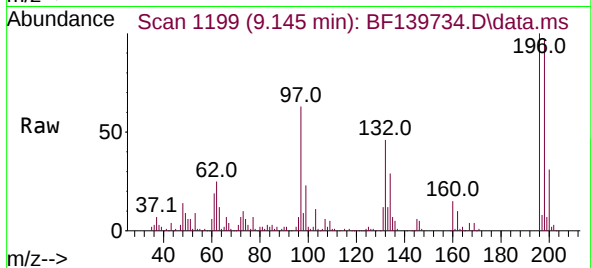
Acq: 09 Oct 2024 20:52

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOILMSD



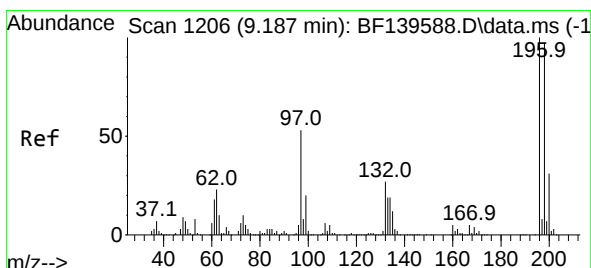
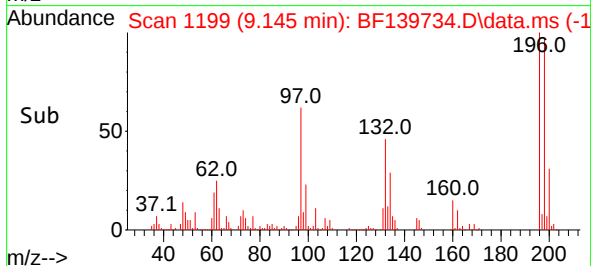
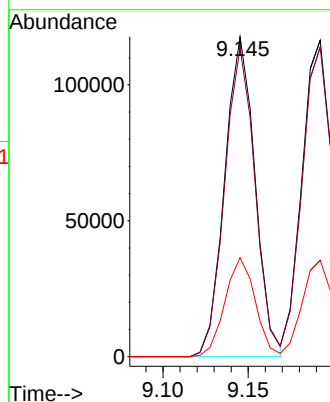
Tgt Ion:196 Resp: 145974

Ion Ratio Lower Upper

196 100

198 96.5 75.2 112.8

200 31.0 24.6 37.0



#44

2,4,5-Trichlorophenol

Concen: 47.240 ng

RT: 9.192 min Scan# 1207

Delta R.T. 0.006 min

Lab File: BF139734.D

Acq: 09 Oct 2024 20:52

Tgt Ion:196 Resp: 150009

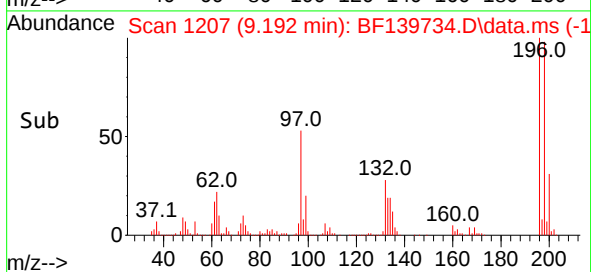
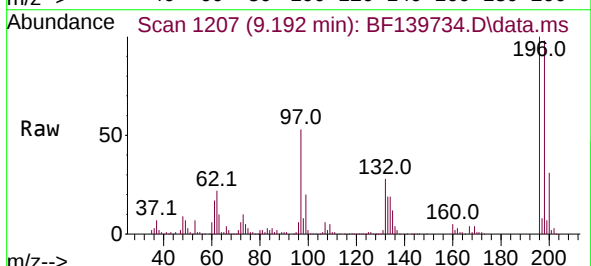
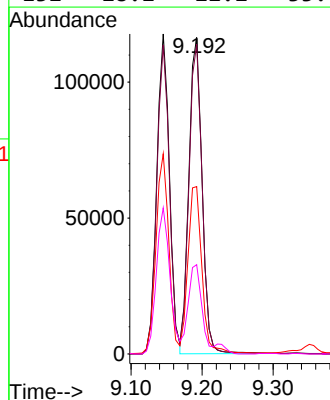
Ion Ratio Lower Upper

196 100

198 97.8 77.5 116.3

97 52.9 43.1 64.7

132 28.2 22.2 33.4





#45

2-Fluorobiphenyl

Concen: 82.542 ng

RT: 9.228 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139734.D

Acq: 09 Oct 2024 20:52

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOILMSD

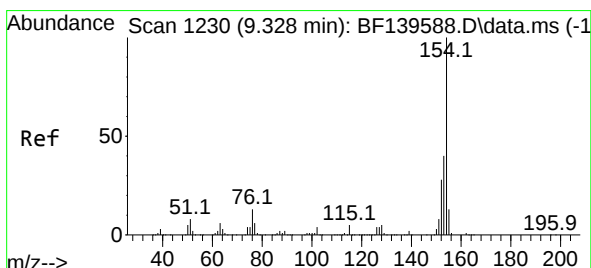
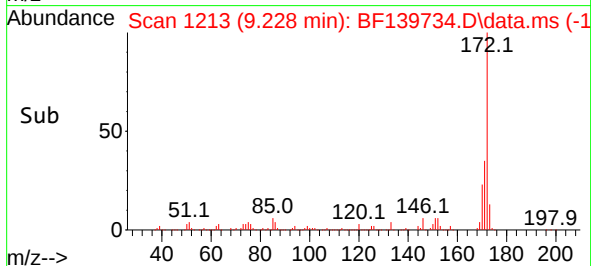
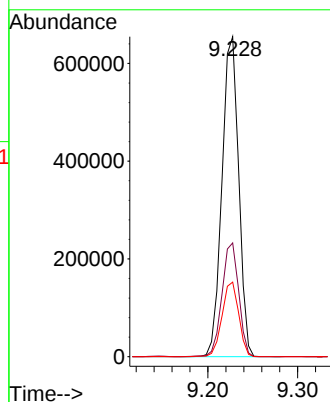
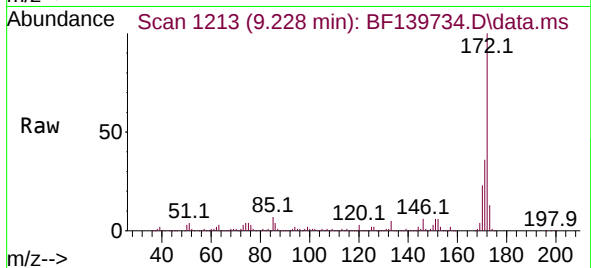
Tgt Ion:172 Resp: 845732

Ion Ratio Lower Upper

172 100

171 35.5 28.2 42.4

170 23.3 18.8 28.2



#46

1,1'-Biphenyl

Concen: 49.629 ng

RT: 9.328 min Scan# 1230

Delta R.T. -0.000 min

Lab File: BF139734.D

Acq: 09 Oct 2024 20:52

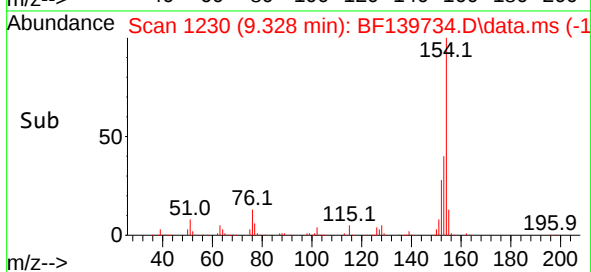
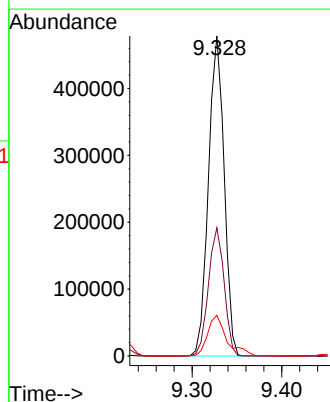
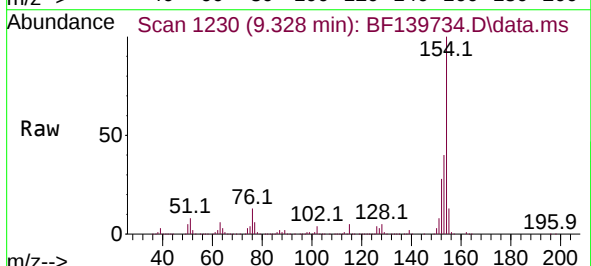
Tgt Ion:154 Resp: 580619

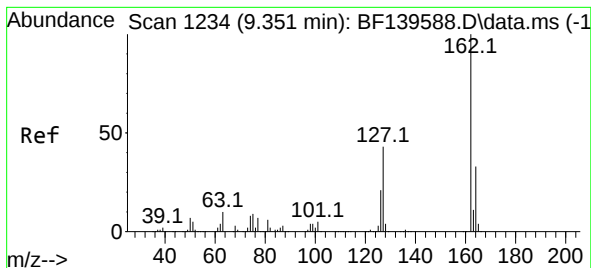
Ion Ratio Lower Upper

154 100

153 40.0 20.1 60.1

76 12.7 0.0 32.6





#47

2-Chloronaphthalene

Concen: 48.651 ng

RT: 9.351 min Scan# 1234

Delta R.T. -0.000 min

Lab File: BF139734.D

Acq: 09 Oct 2024 20:52

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOILMSD

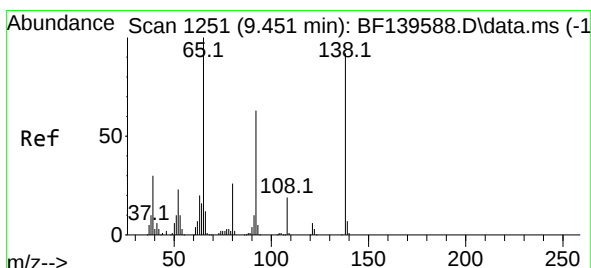
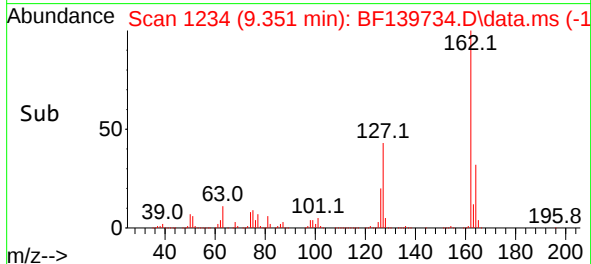
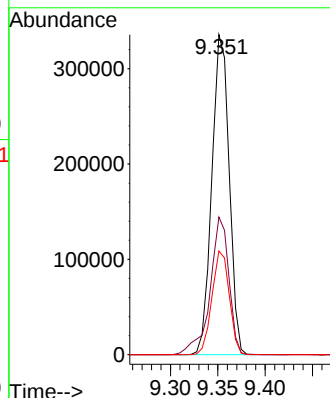
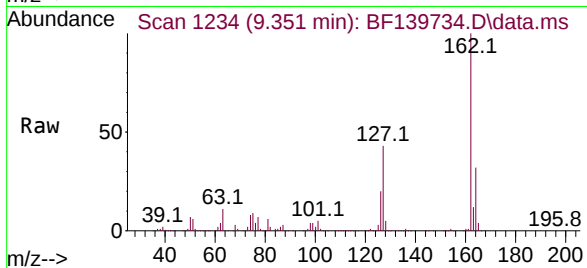
Tgt Ion:162 Resp: 426703

Ion Ratio Lower Upper

162 100

127 43.0 35.0 52.4

164 32.4 26.1 39.1



#48

2-Nitroaniline

Concen: 49.891 ng

RT: 9.451 min Scan# 1251

Delta R.T. -0.000 min

Lab File: BF139734.D

Acq: 09 Oct 2024 20:52

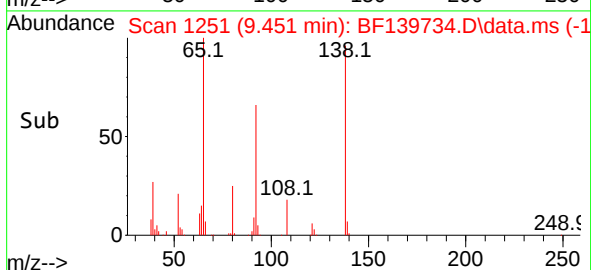
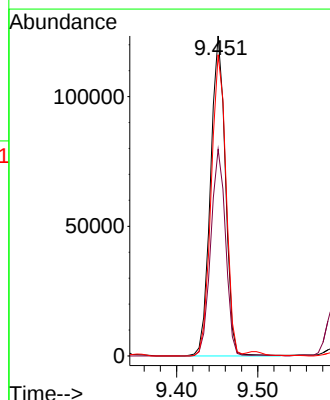
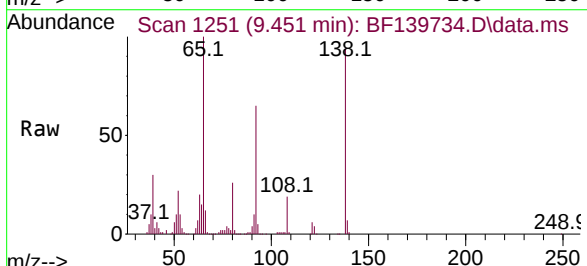
Tgt Ion: 65 Resp: 157076

Ion Ratio Lower Upper

65 100

92 64.6 50.0 75.0

138 94.2 73.8 110.8





#49

Acenaphthylene

Concen: 51.496 ng

RT: 9.769 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF139734.D

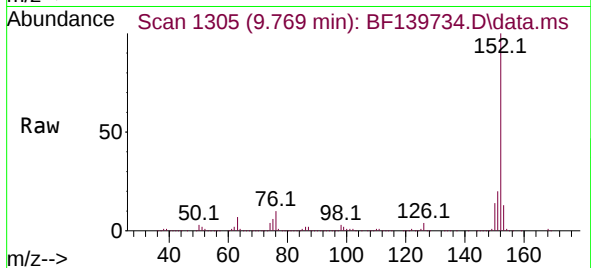
Acq: 09 Oct 2024 20:52

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOILMSD



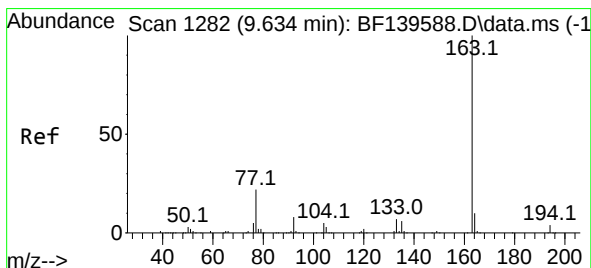
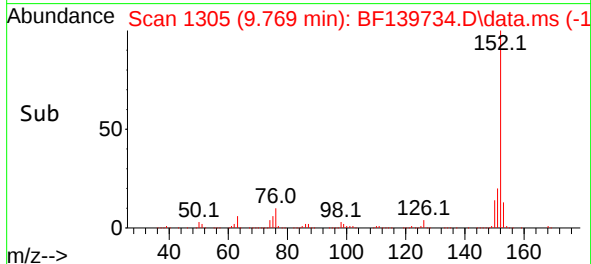
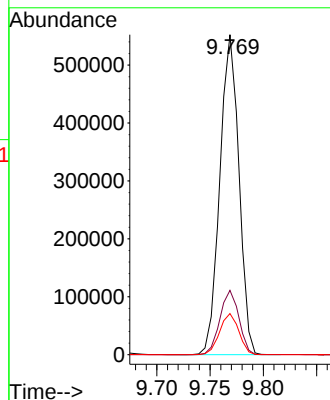
Tgt Ion:152 Resp: 686862

Ion Ratio Lower Upper

152 100

151 20.1 16.0 24.0

153 12.9 10.5 15.7



#50

Dimethylphthalate

Concen: 51.100 ng

RT: 9.628 min Scan# 1281

Delta R.T. -0.006 min

Lab File: BF139734.D

Acq: 09 Oct 2024 20:52

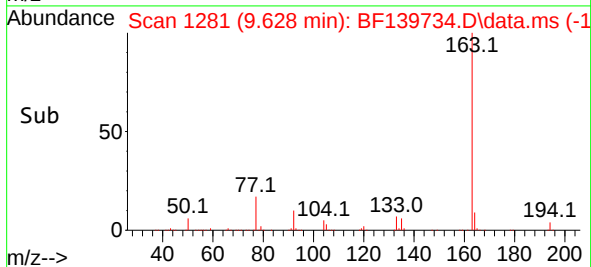
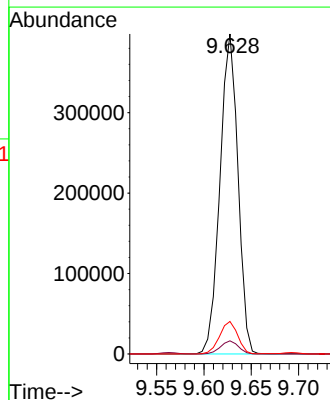
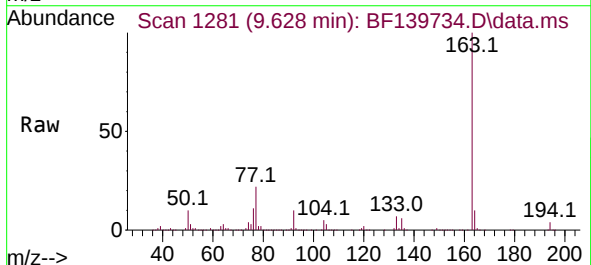
Tgt Ion:163 Resp: 526171

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.0

164 10.1 8.1 12.1

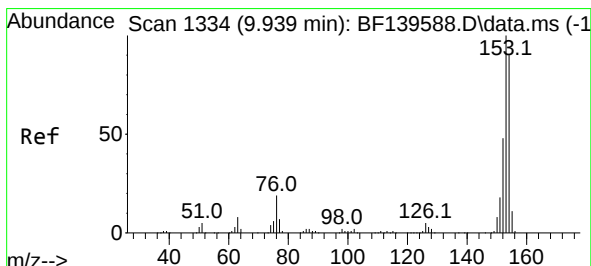
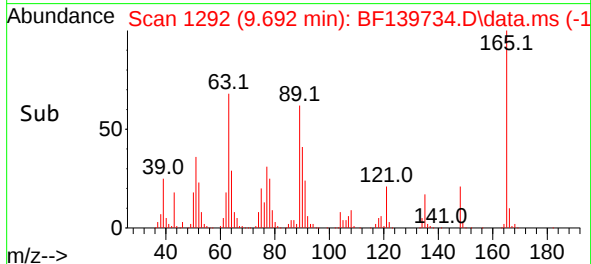
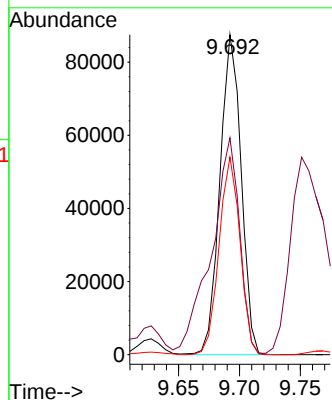
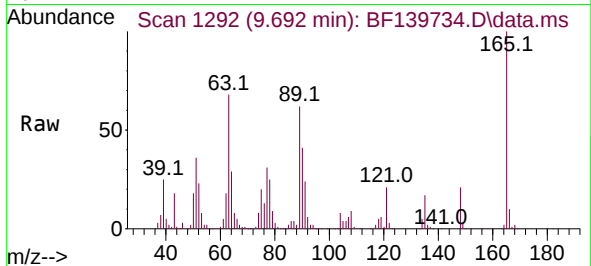




#51
2,6-Dinitrotoluene
Concen: 45.654 ng
RT: 9.692 min Scan# 1292
Delta R.T. 0.000 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

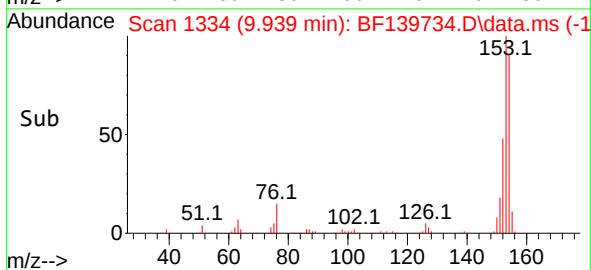
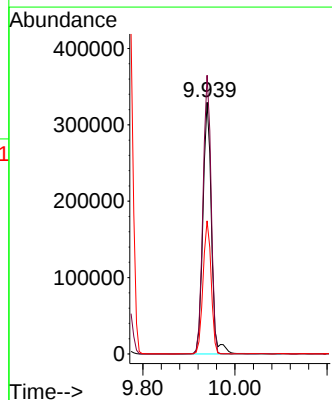
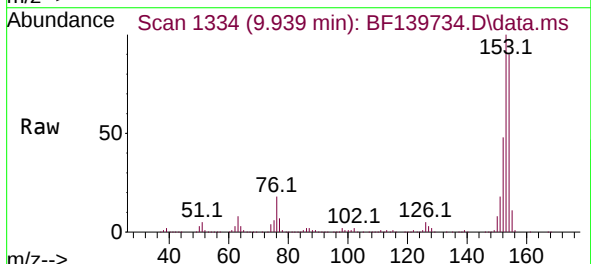
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILMSD

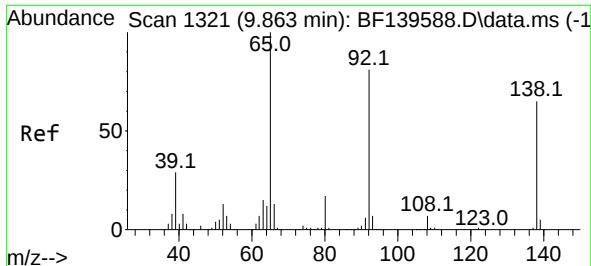
Tgt Ion:165 Resp: 106191
Ion Ratio Lower Upper
165 100
63 67.8 56.7 85.1
89 61.7 51.6 77.4



#52
Acenaphthene
Concen: 46.373 ng
RT: 9.939 min Scan# 1334
Delta R.T. -0.000 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

Tgt Ion:154 Resp: 424620
Ion Ratio Lower Upper
154 100
153 110.8 88.8 133.2
152 52.9 42.5 63.7

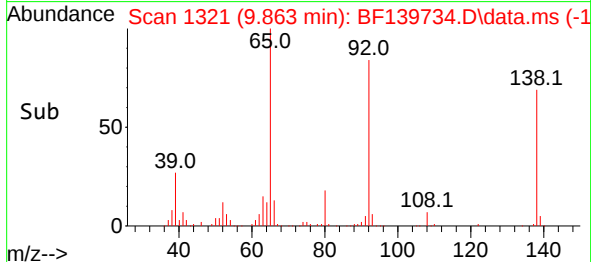
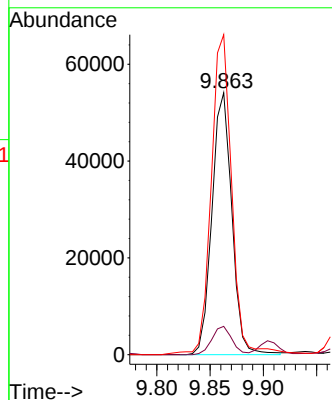
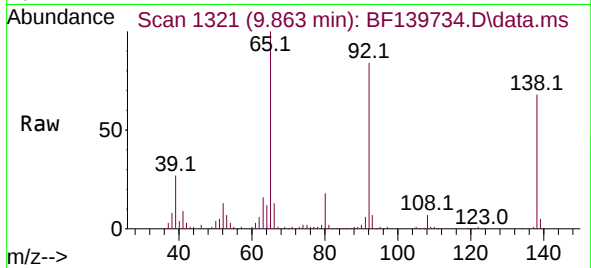




#53
3-Nitroaniline
Concen: 29.512 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

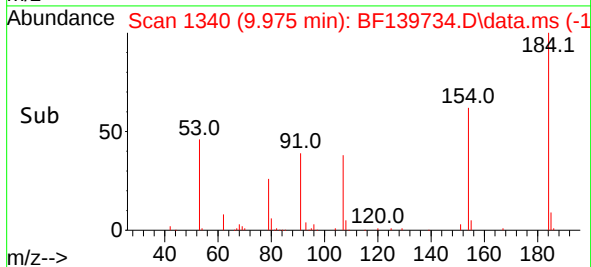
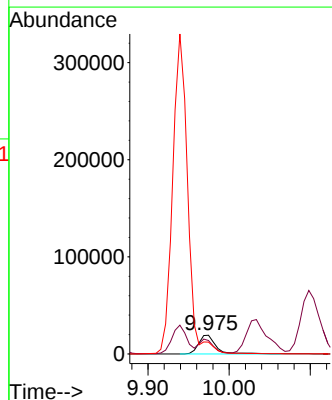
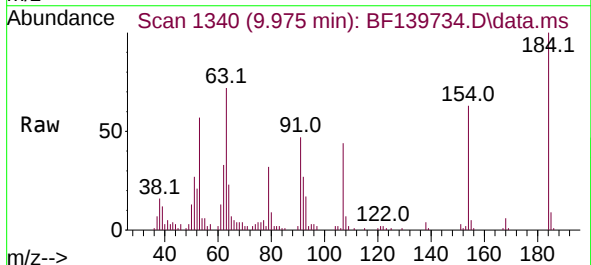
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILMSD

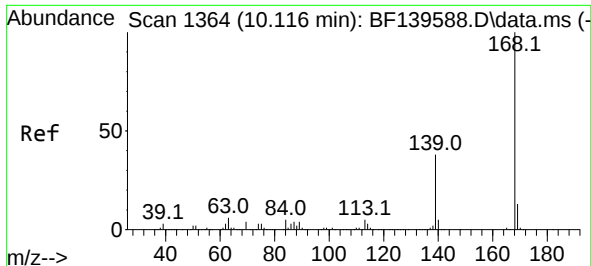
Tgt Ion:138 Resp: 70150
Ion Ratio Lower Upper
138 100
108 10.8 8.8 13.2
92 122.2 100.0 150.0



#54
2,4-Dinitrophenol
Concen: 23.048 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.006 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

Tgt Ion:184 Resp: 28835
Ion Ratio Lower Upper
184 100
63 72.2 61.7 92.5
154 63.4 53.0 79.4

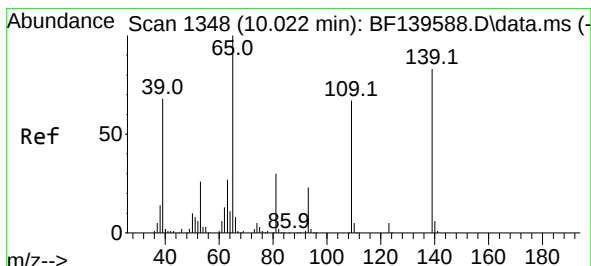
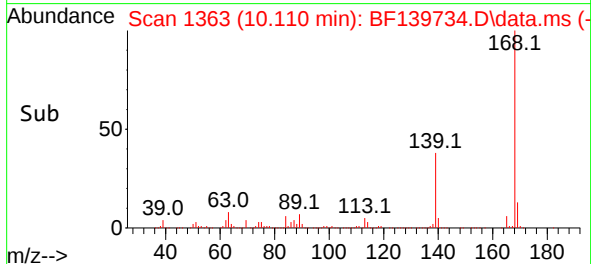
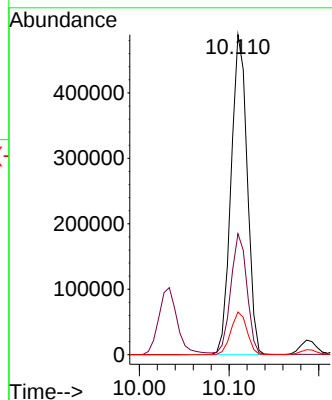
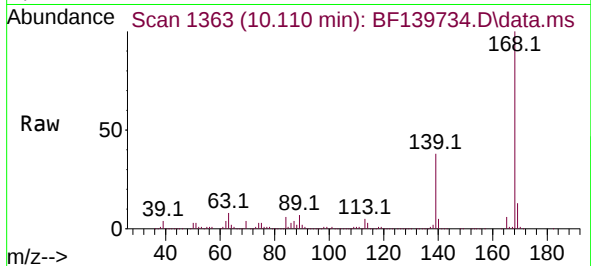




#55
Dibenzofuran
Concen: 47.543 ng
RT: 10.110 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

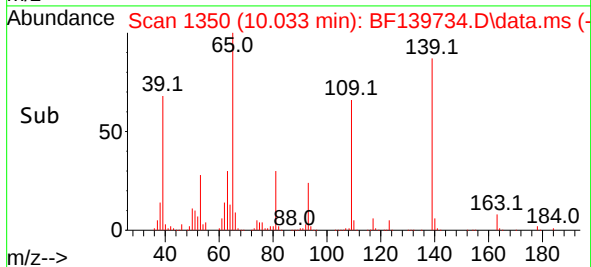
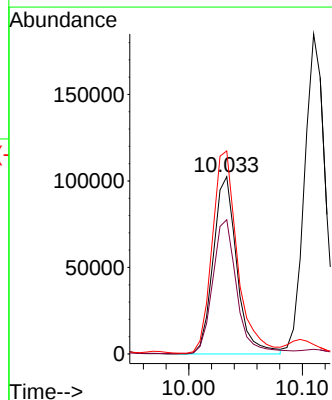
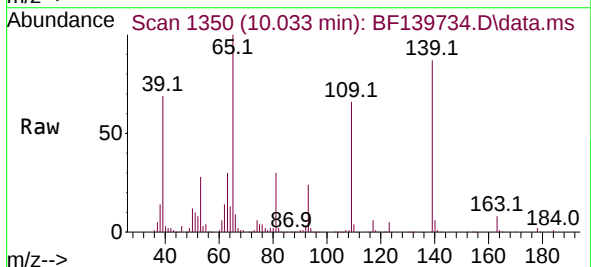
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILMSD

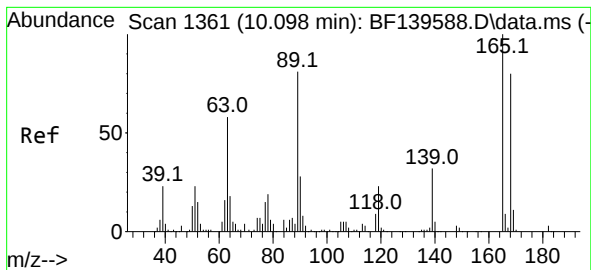
Tgt Ion:168 Resp: 609529
Ion Ratio Lower Upper
168 100
139 37.8 30.4 45.6
169 13.4 10.7 16.1



#56
4-Nitrophenol
Concen: 81.870 ng
RT: 10.033 min Scan# 1350
Delta R.T. 0.012 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

Tgt Ion:139 Resp: 148401
Ion Ratio Lower Upper
139 100
109 75.7 60.3 100.3
65 114.6 100.8 140.8

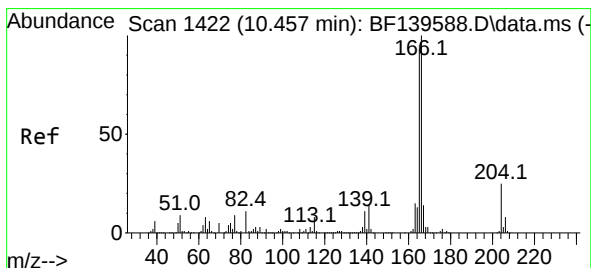
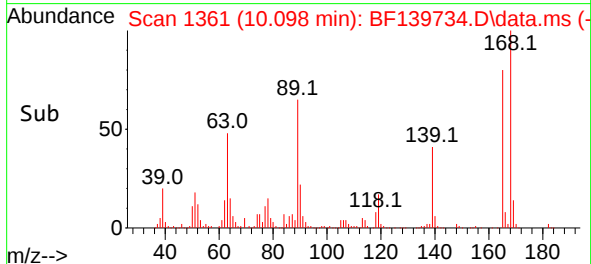
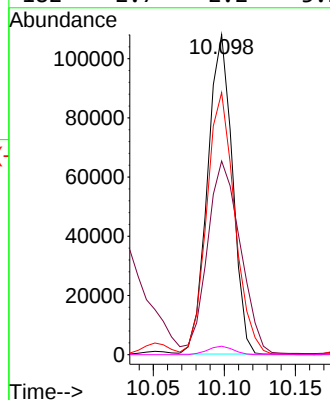
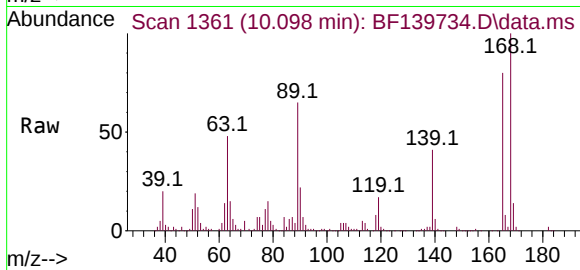




#57
2,4-Dinitrotoluene
Concen: 43.224 ng
RT: 10.098 min Scan# 1361
Delta R.T. -0.000 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

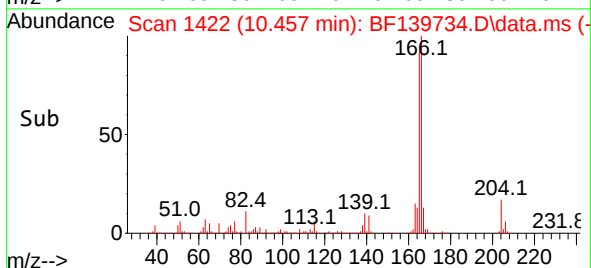
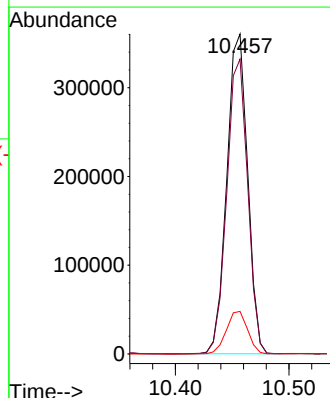
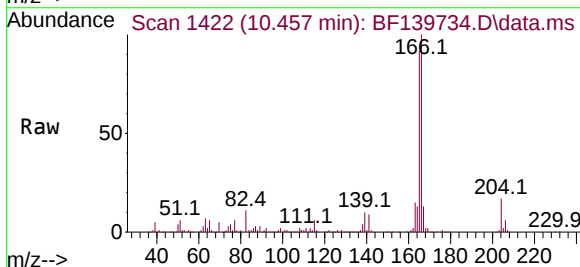
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILMSD

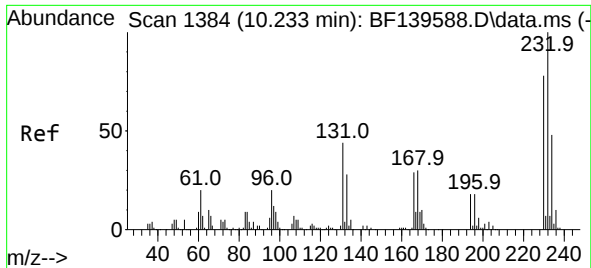
Tgt Ion:165 Resp: 131418
Ion Ratio Lower Upper
165 100
63 60.5 46.9 70.3
89 81.9 64.4 96.6
182 2.7 2.2 3.2



#58
Fluorene
Concen: 44.967 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

Tgt Ion:166 Resp: 459174
Ion Ratio Lower Upper
166 100
165 92.2 74.4 111.6
167 13.3 10.9 16.3

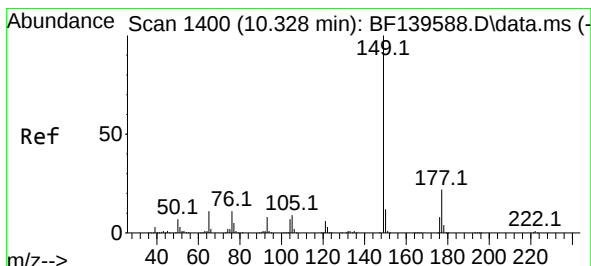
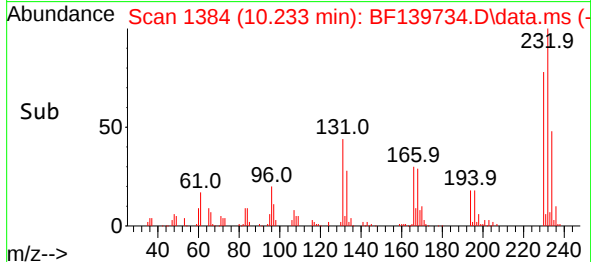
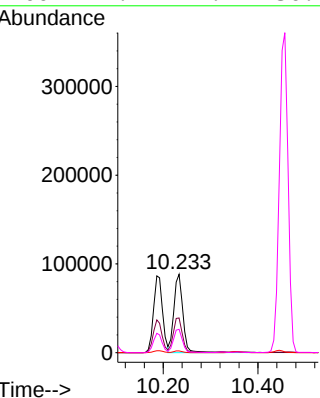
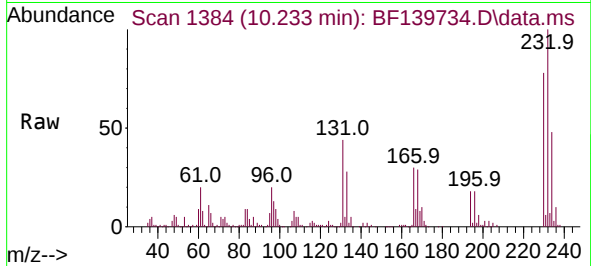




#59
2,3,4,6-Tetrachlorophenol
Concen: 45.391 ng
RT: 10.233 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

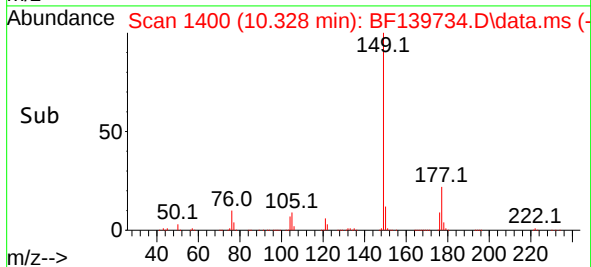
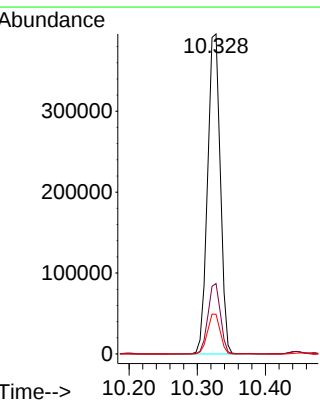
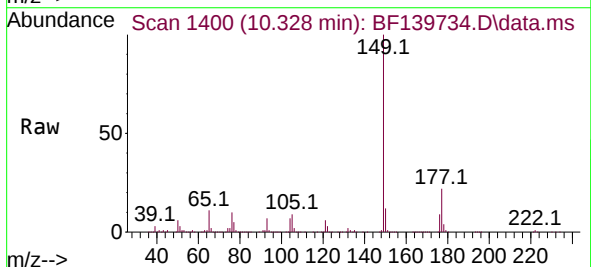
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILMSD

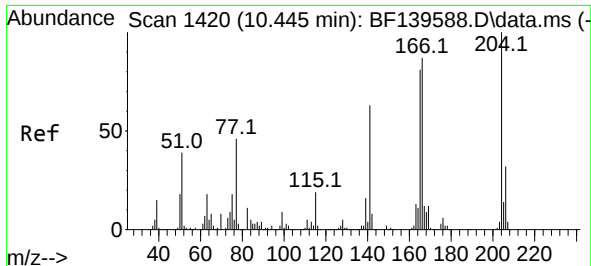
Tgt Ion:232 Resp: 116415
Ion Ratio Lower Upper
232 100
131 44.1 37.8 56.6
130 2.3 1.9 2.9
166 29.2 24.4 36.6



#60
Diethylphthalate
Concen: 48.253 ng
RT: 10.328 min Scan# 1400
Delta R.T. -0.000 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

Tgt Ion:149 Resp: 513193
Ion Ratio Lower Upper
149 100
177 22.0 17.4 26.0
150 12.4 10.0 15.0

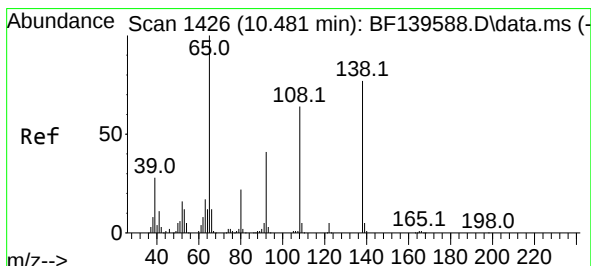
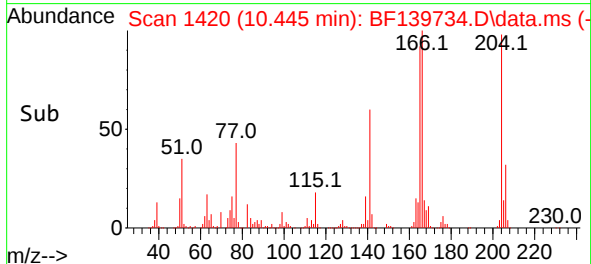
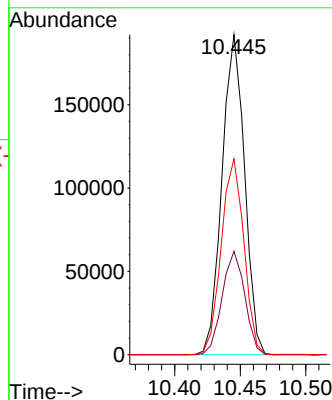
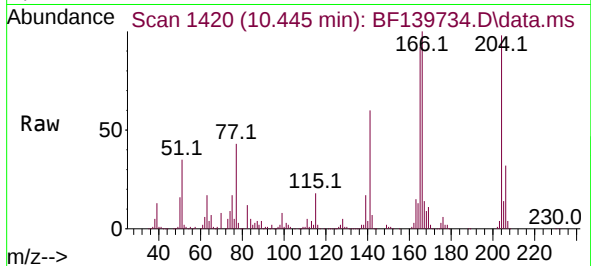




#61
4-Chlorophenyl-phenylether
Concen: 44.891 ng
RT: 10.445 min Scan# 1420
Delta R.T. -0.000 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

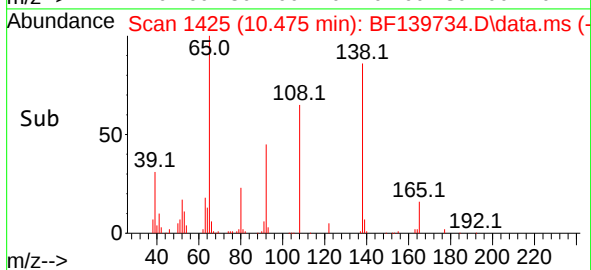
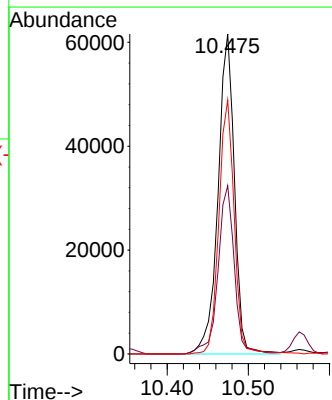
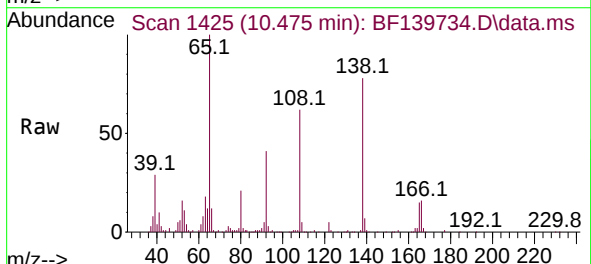
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILMSD

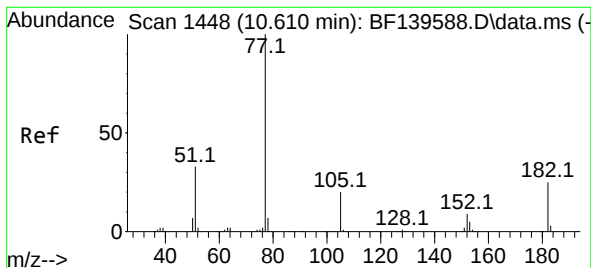
Tgt Ion:204 Resp: 229332
Ion Ratio Lower Upper
204 100
206 32.3 25.9 38.9
141 61.2 50.5 75.7



#62
4-Nitroaniline
Concen: 35.751 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

Tgt Ion:138 Resp: 86924
Ion Ratio Lower Upper
138 100
92 52.6 33.3 73.3
108 79.3 62.1 102.1





#63

Azobenzene

Concen: 54.881 ng

RT: 10.604 min Scan# 1447

Delta R.T. -0.006 min

Lab File: BF139734.D

Acq: 09 Oct 2024 20:52

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOILMSD

Tgt Ion: 77 Resp: 586984

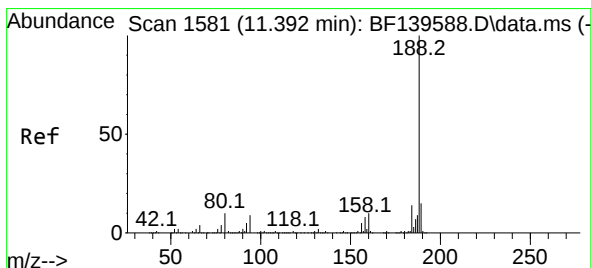
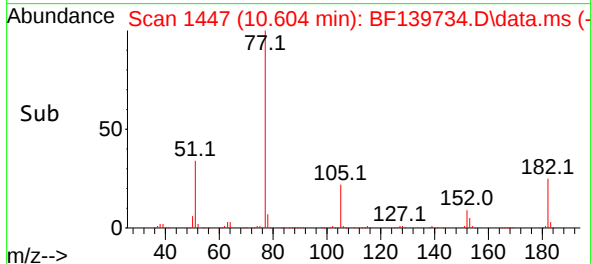
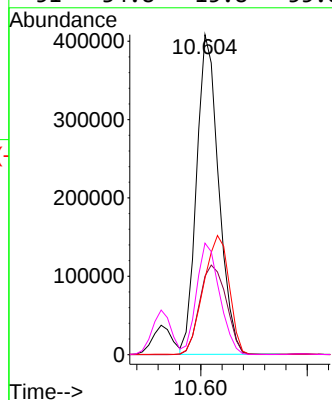
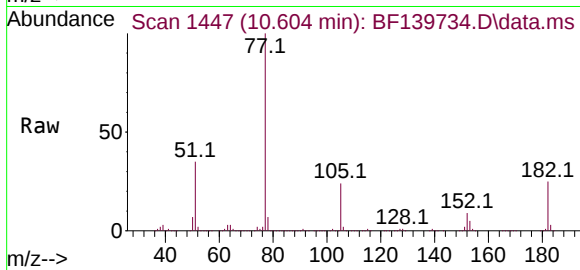
Ion Ratio Lower Upper

77 100

182 24.5 4.2 44.2

105 23.9 0.0 39.6

51 34.8 15.8 55.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1581

Delta R.T. -0.000 min

Lab File: BF139734.D

Acq: 09 Oct 2024 20:52

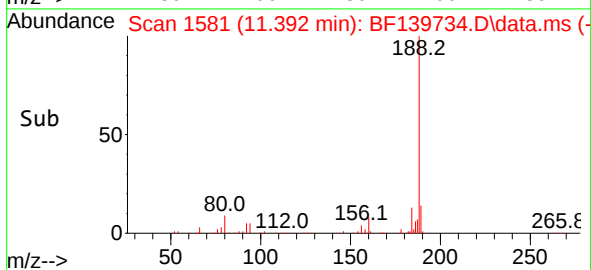
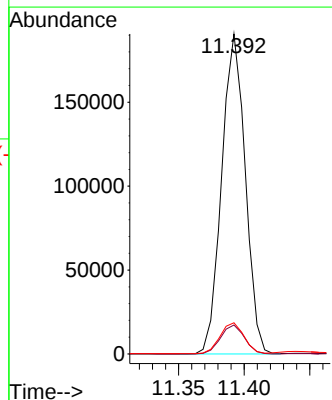
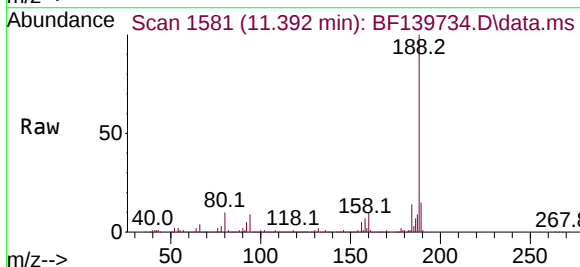
Tgt Ion:188 Resp: 238294

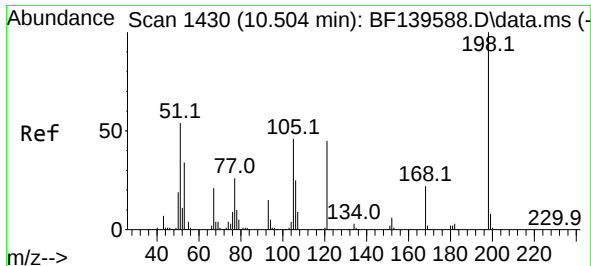
Ion Ratio Lower Upper

188 100

94 9.1 7.4 11.2

80 9.8 8.2 12.2

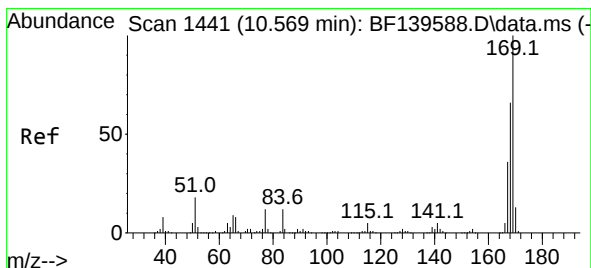
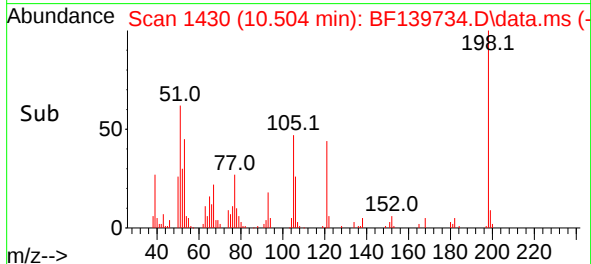
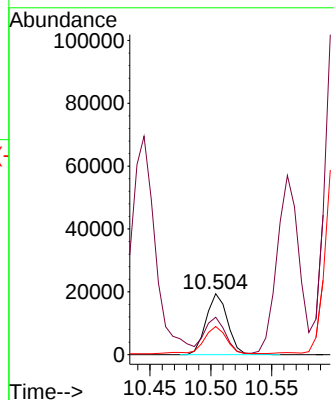
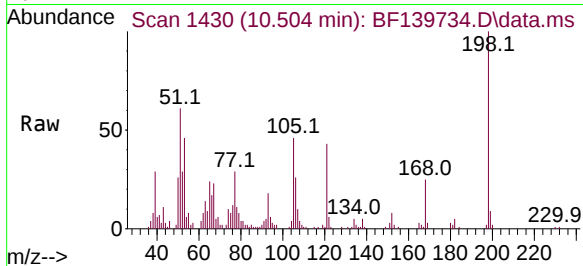




#65
4,6-Dinitro-2-methylphenol
Concen: 17.660 ng
RT: 10.504 min Scan# 1430
Delta R.T. -0.000 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

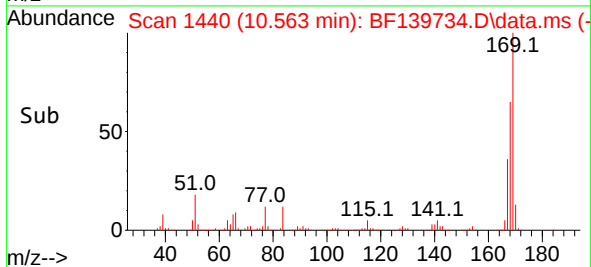
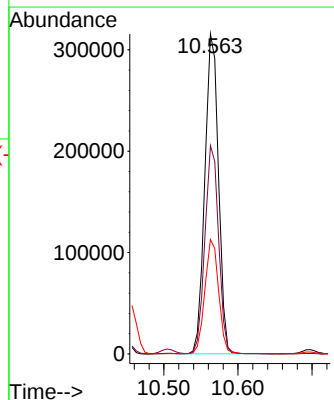
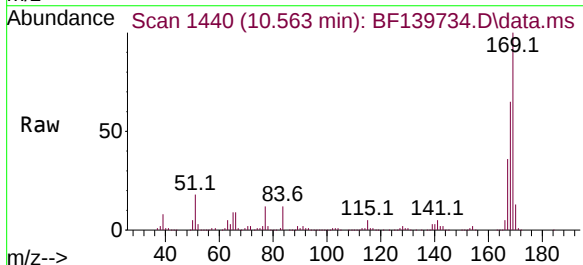
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILMSD

Tgt Ion:198 Resp: 23768
Ion Ratio Lower Upper
198 100
51 61.4 43.0 83.0
105 46.1 26.6 66.6



#66
n-Nitrosodiphenylamine
Concen: 57.325 ng
RT: 10.563 min Scan# 1440
Delta R.T. -0.006 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

Tgt Ion:169 Resp: 402655
Ion Ratio Lower Upper
169 100
168 65.1 53.2 79.8
167 35.8 28.6 43.0

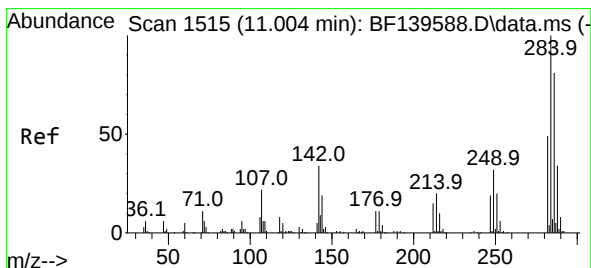
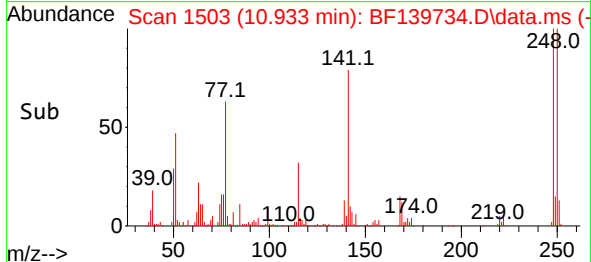
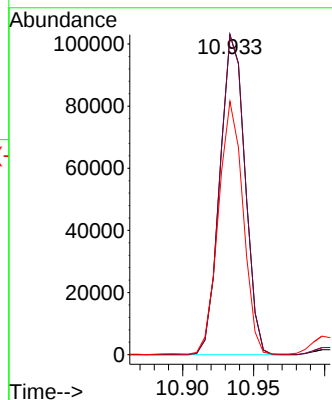
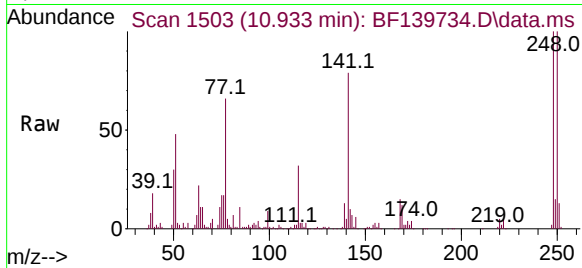




#67
4-Bromophenyl-phenylether
Concen: 51.736 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

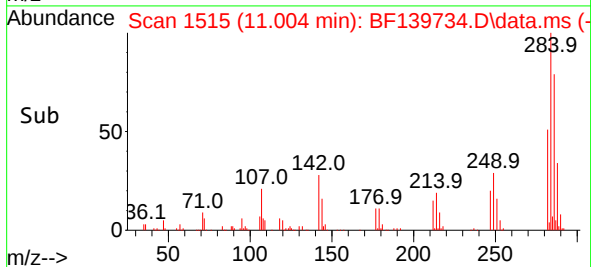
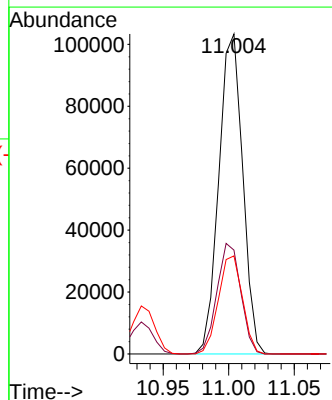
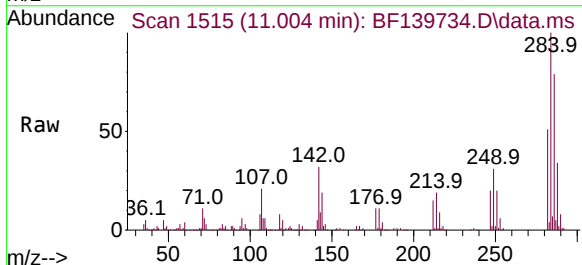
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILMSD

Tgt Ion:248 Resp: 126403
Ion Ratio Lower Upper
248 100
250 100.0 77.1 115.7
141 79.2 60.4 90.6



#68
Hexachlorobenzene
Concen: 48.211 ng
RT: 11.004 min Scan# 1515
Delta R.T. -0.000 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

Tgt Ion:284 Resp: 130706
Ion Ratio Lower Upper
284 100
142 32.5 26.9 40.3
249 30.6 25.4 38.0





#69

Atrazine

Concen: 64.945 ng

RT: 11.092 min Scan# 1530

Delta R.T. 0.000 min

Lab File: BF139734.D

Acq: 09 Oct 2024 20:52

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOILMSD

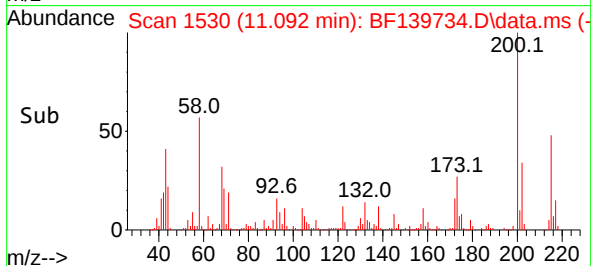
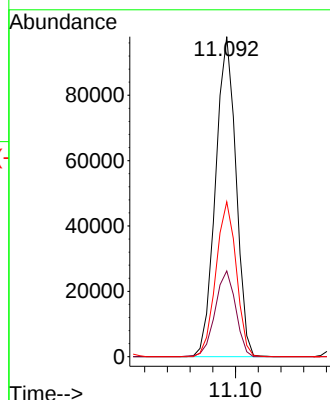
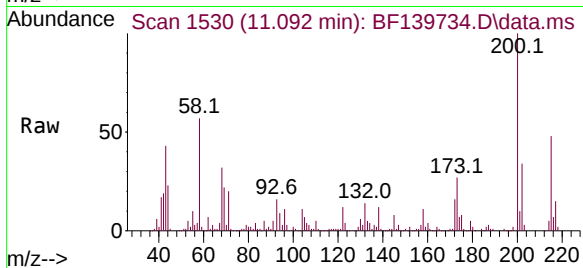
Tgt Ion:200 Resp: 122393

Ion Ratio Lower Upper

200 100

173 26.8 6.7 46.7

215 48.4 27.5 67.5



#70

Pentachlorophenol

Concen: 84.106 ng

RT: 11.198 min Scan# 1548

Delta R.T. -0.000 min

Lab File: BF139734.D

Acq: 09 Oct 2024 20:52

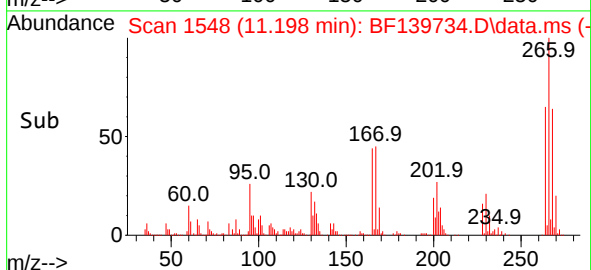
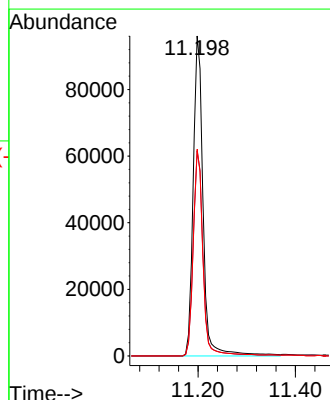
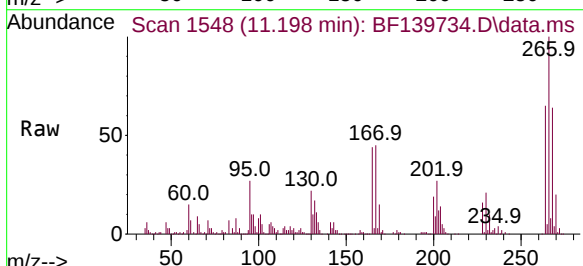
Tgt Ion:266 Resp: 135775

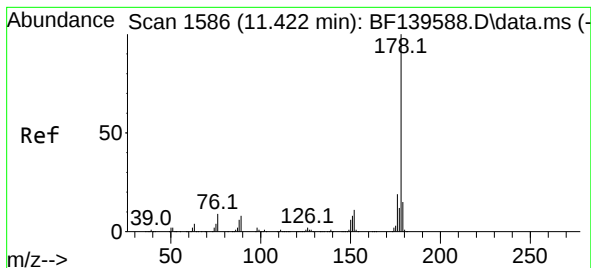
Ion Ratio Lower Upper

266 100

268 64.1 50.0 75.0

264 64.6 49.3 73.9





#71

Phenanthrene

Concen: 51.473 ng

RT: 11.416 min Scan# 1585

Delta R.T. -0.006 min

Lab File: BF139734.D

Acq: 09 Oct 2024 20:52

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOILMSD

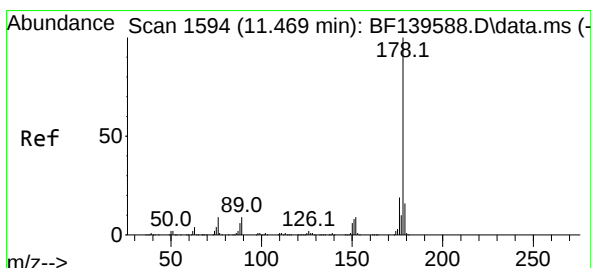
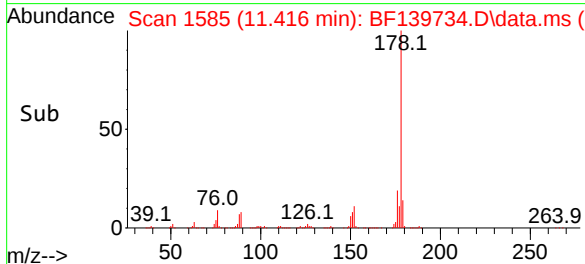
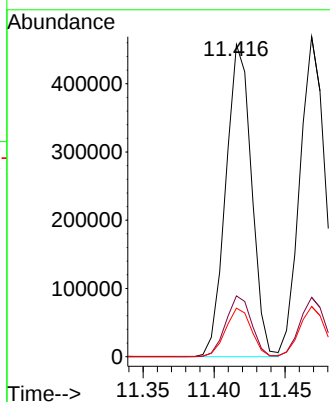
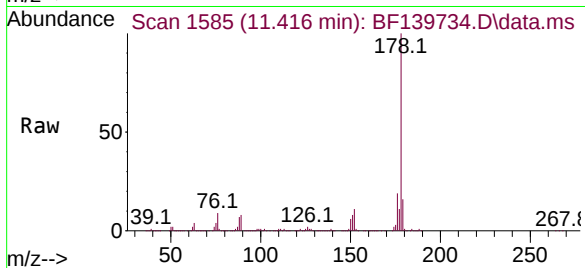
Tgt Ion:178 Resp: 578341

Ion Ratio Lower Upper

178 100

176 19.5 15.5 23.3

179 15.5 12.3 18.5



#72

Anthracene

Concen: 51.924 ng

RT: 11.469 min Scan# 1594

Delta R.T. -0.000 min

Lab File: BF139734.D

Acq: 09 Oct 2024 20:52

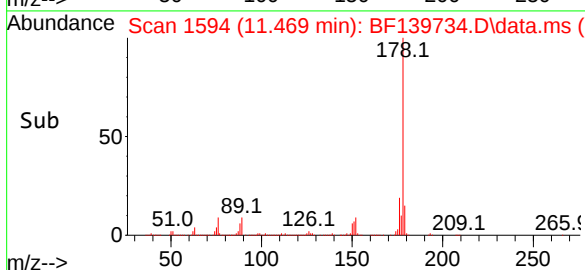
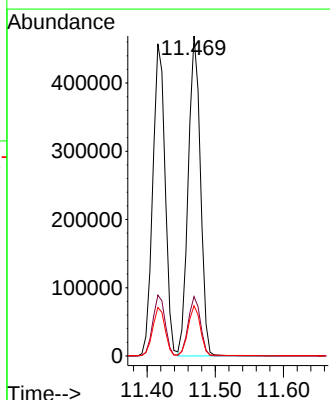
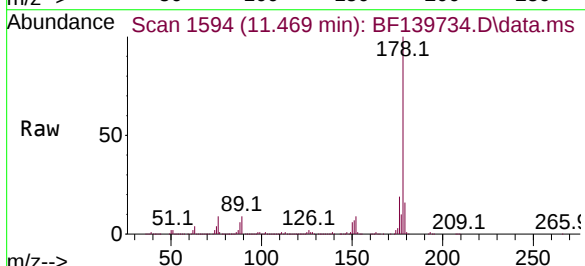
Tgt Ion:178 Resp: 577165

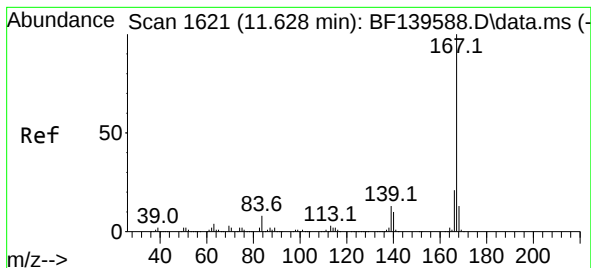
Ion Ratio Lower Upper

178 100

176 18.5 15.1 22.7

179 15.7 12.5 18.7





#73

Carbazole

Concen: 48.764 ng

RT: 11.627 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139734.D

Acq: 09 Oct 2024 20:52

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOILMSD

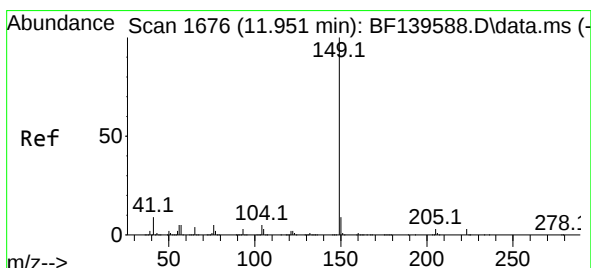
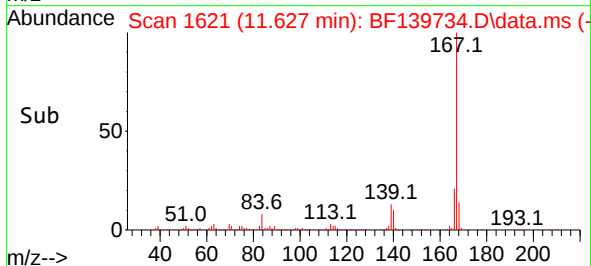
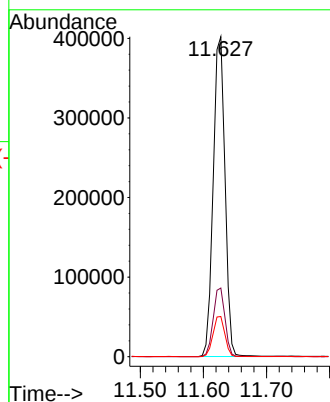
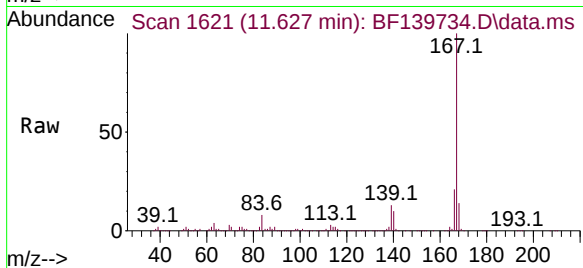
Tgt Ion:167 Resp: 520601

Ion Ratio Lower Upper

167 100

166 21.5 17.2 25.8

139 12.6 10.3 15.5



#74

Di-n-butylphthalate

Concen: 53.114 ng

RT: 11.951 min Scan# 1676

Delta R.T. -0.000 min

Lab File: BF139734.D

Acq: 09 Oct 2024 20:52

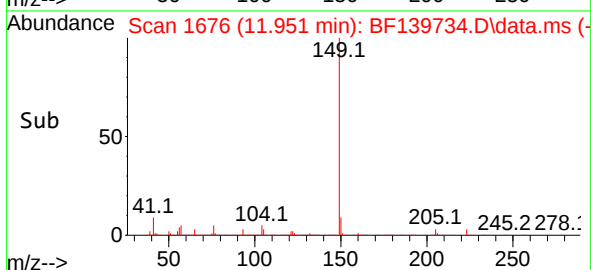
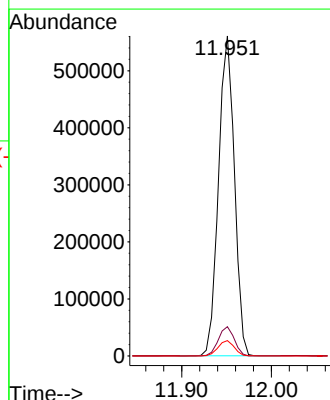
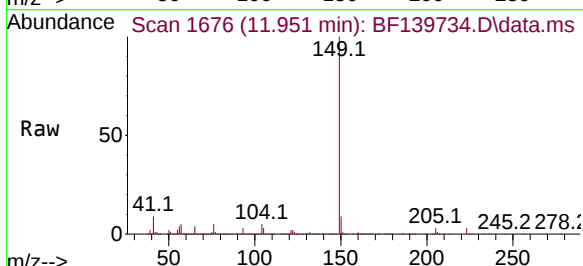
Tgt Ion:149 Resp: 689545

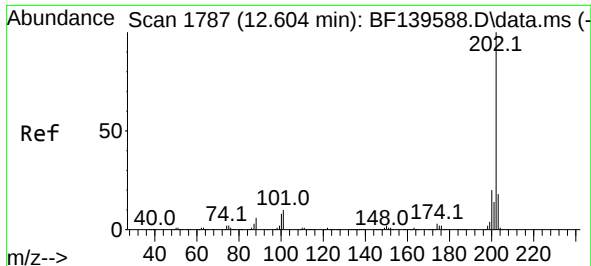
Ion Ratio Lower Upper

149 100

150 9.1 7.5 11.3

104 4.8 4.1 6.1

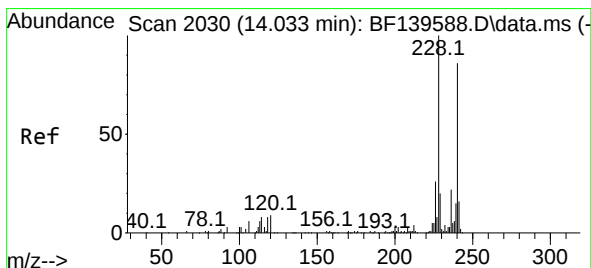
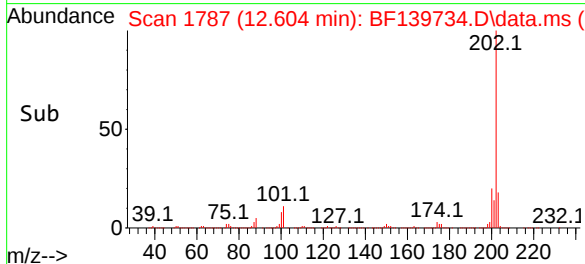
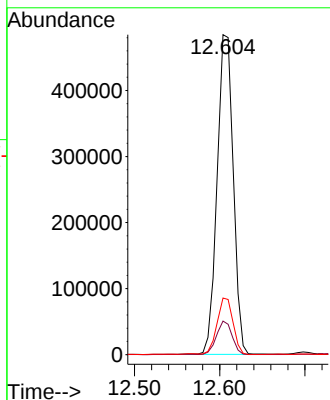
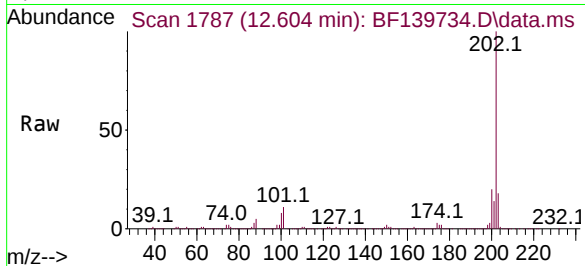




#75
Fluoranthene
Concen: 51.853 ng
RT: 12.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

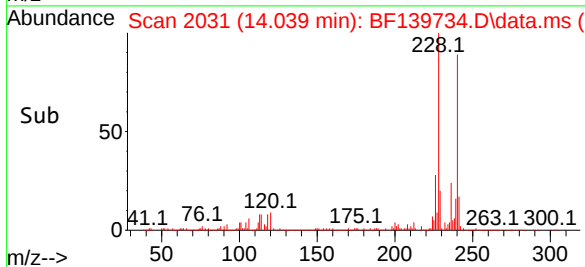
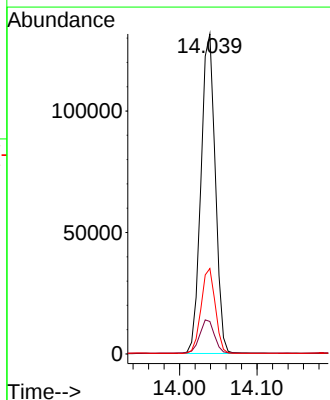
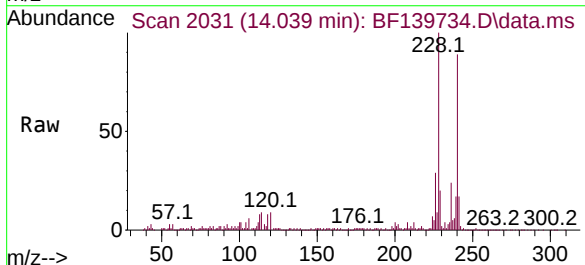
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILMSD

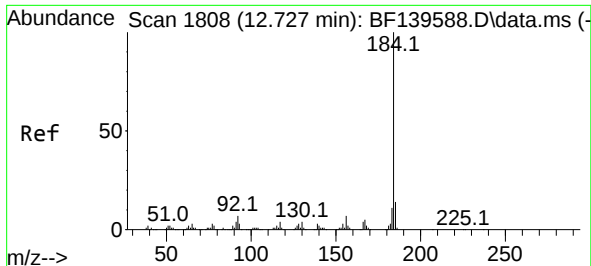
Tgt Ion:202 Resp: 636871
Ion Ratio Lower Upper
202 100
101 10.5 0.0 30.2
203 17.7 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

Tgt Ion:240 Resp: 168675
Ion Ratio Lower Upper
240 100
120 10.2 8.4 12.6
236 26.7 20.3 30.5

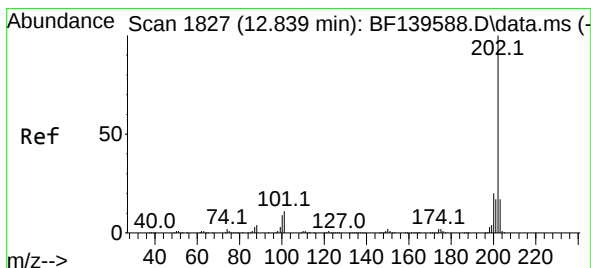
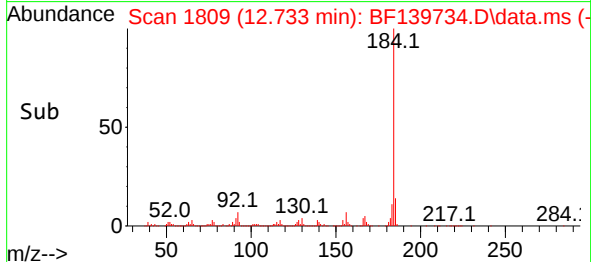
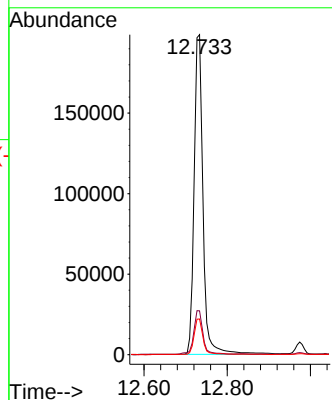
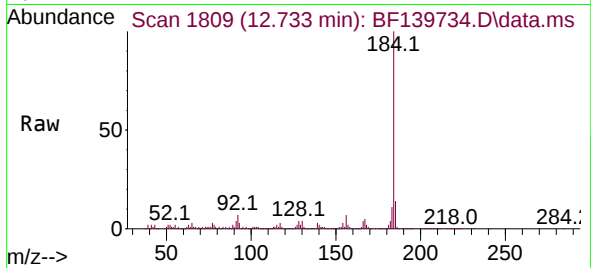




#77
Benzidine
Concen: 99.226 ng
RT: 12.733 min Scan# 1809
Delta R.T. 0.006 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

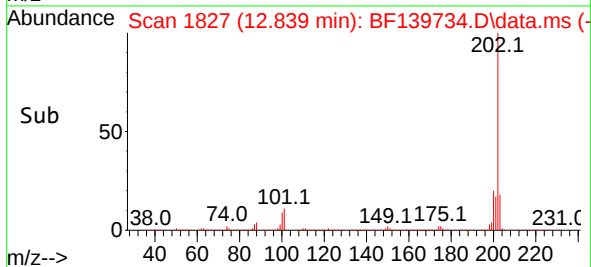
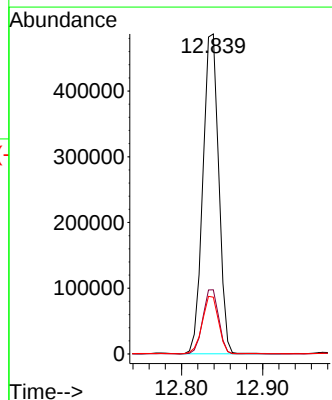
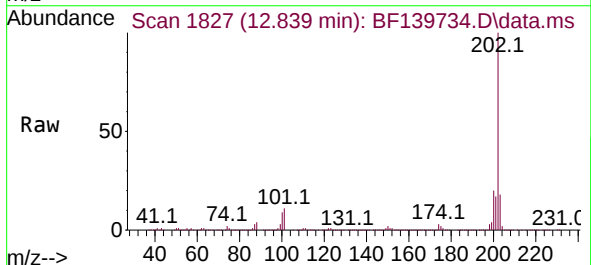
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILMSD

Tgt Ion:184 Resp: 295219
Ion Ratio Lower Upper
184 100
185 13.7 11.4 17.0
183 11.2 8.8 13.2



#78
Pyrene
Concen: 43.530 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.000 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

Tgt Ion:202 Resp: 656705
Ion Ratio Lower Upper
202 100
200 20.0 15.8 23.6
203 17.7 13.8 20.8





#79

Terphenyl-d14

Concen: 65.867 ng

RT: 12.974 min Scan# 1850

Delta R.T. -0.006 min

Lab File: BF139734.D

Acq: 09 Oct 2024 20:52

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOILMSD

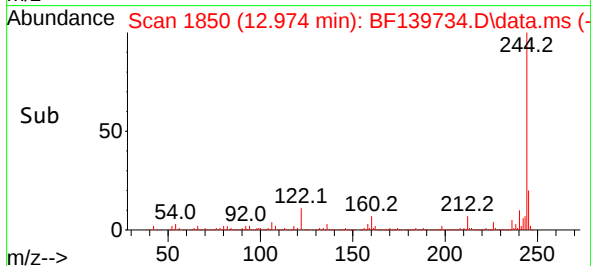
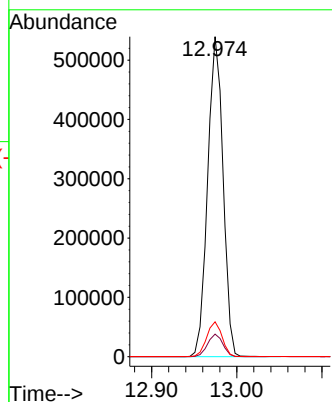
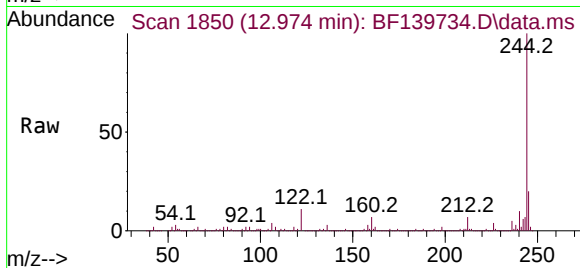
Tgt Ion:244 Resp: 677106

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

122 10.9 8.6 12.8



#80

Butylbenzylphthalate

Concen: 47.137 ng

RT: 13.451 min Scan# 1931

Delta R.T. -0.000 min

Lab File: BF139734.D

Acq: 09 Oct 2024 20:52

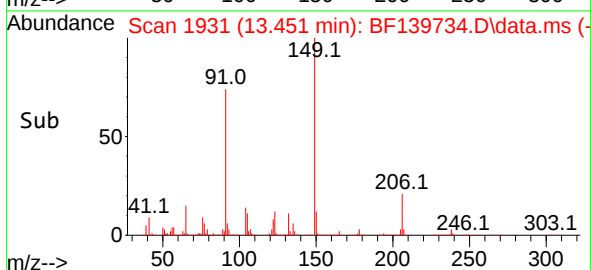
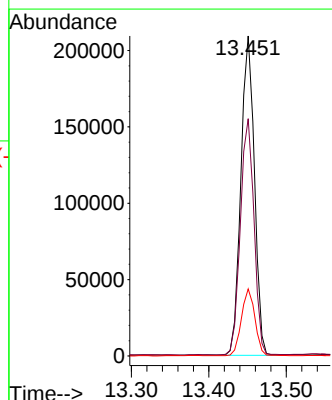
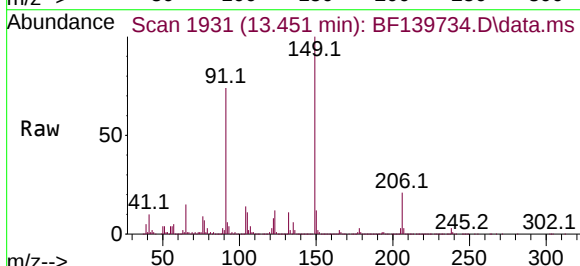
Tgt Ion:149 Resp: 254357

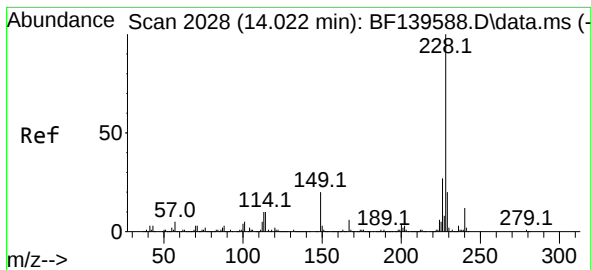
Ion Ratio Lower Upper

149 100

91 74.2 61.0 91.4

206 21.0 16.6 24.8





#81

Benzo(a)anthracene

Concen: 54.097 ng

RT: 14.027 min Scan# 2028

Delta R.T. 0.006 min

Lab File: BF139734.D

Acq: 09 Oct 2024 20:52

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOILMSD

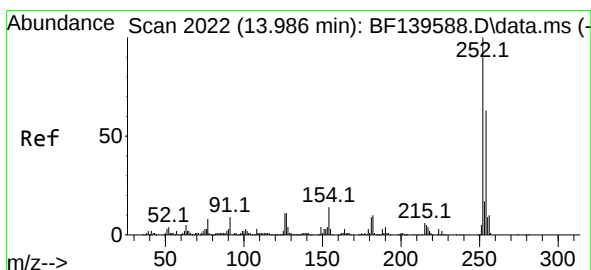
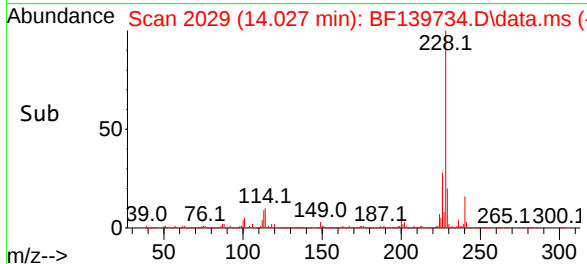
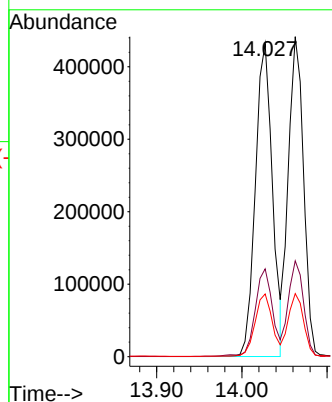
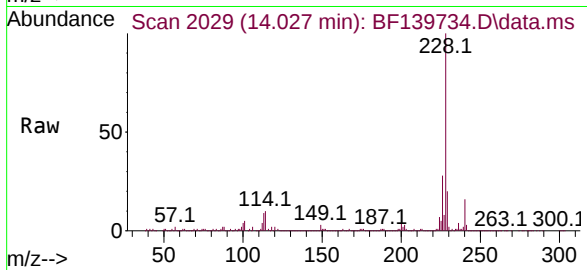
Tgt Ion:228 Resp: 599924

Ion Ratio Lower Upper

228 100

226 28.1 21.8 32.8

229 20.1 15.8 23.8



#82

3,3'-Dichlorobenzidine

Concen: 48.437 ng

RT: 13.986 min Scan# 2022

Delta R.T. -0.000 min

Lab File: BF139734.D

Acq: 09 Oct 2024 20:52

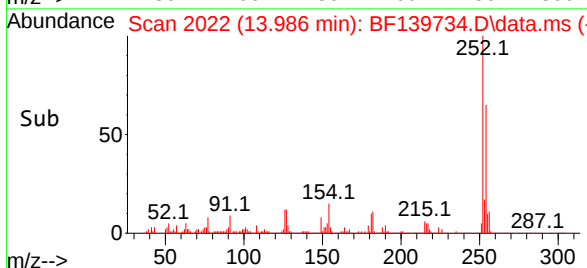
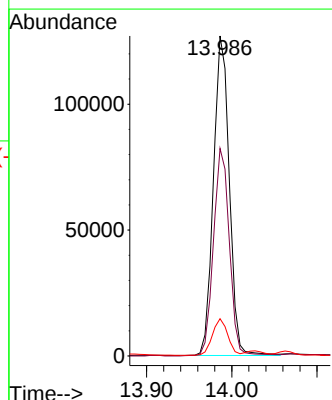
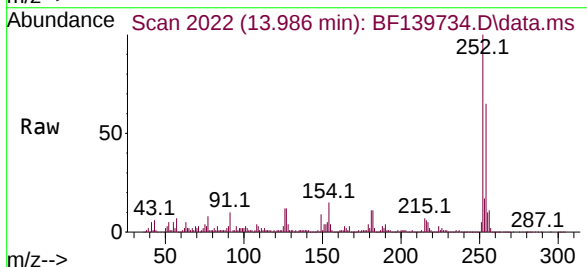
Tgt Ion:252 Resp: 164394

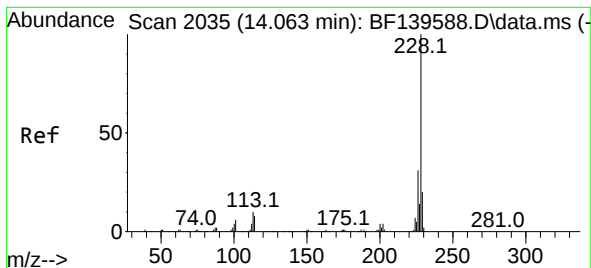
Ion Ratio Lower Upper

252 100

254 64.9 50.5 75.7

126 11.6 8.8 13.2





#83

Chrysene

Concen: 53.791 ng

RT: 14.063 min Scan# 2035

Delta R.T. -0.000 min

Lab File: BF139734.D

Acq: 09 Oct 2024 20:52

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOILMSD

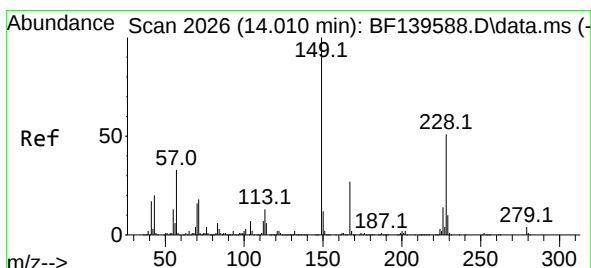
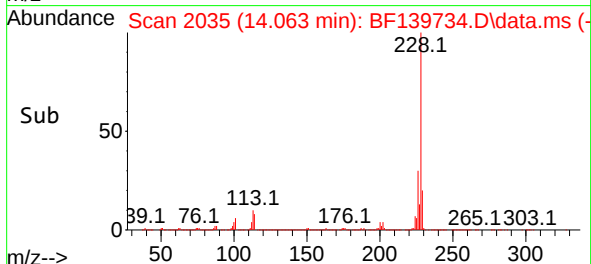
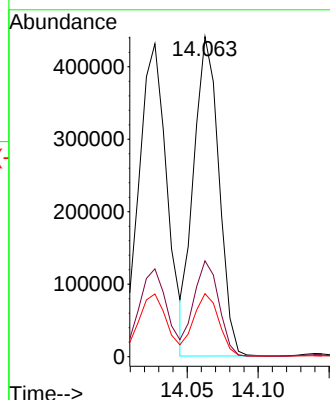
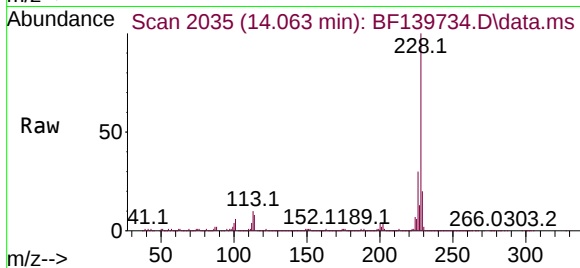
Tgt Ion:228 Resp: 545377

Ion Ratio Lower Upper

228 100

226 29.9 24.3 36.5

229 19.7 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 53.017 ng

RT: 14.010 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF139734.D

Acq: 09 Oct 2024 20:52

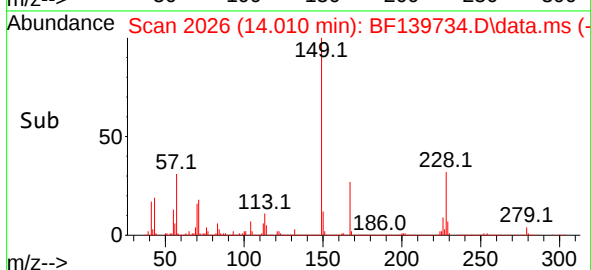
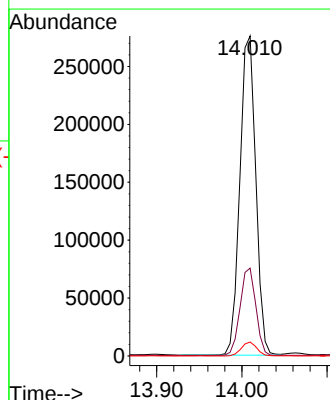
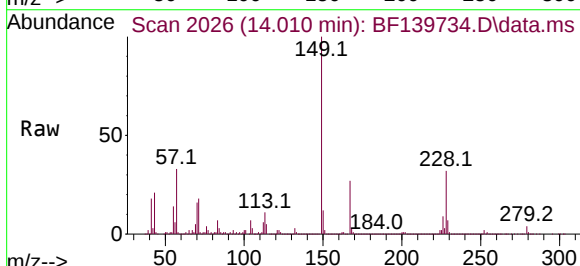
Tgt Ion:149 Resp: 357242

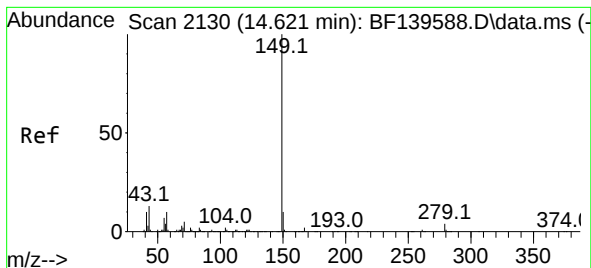
Ion Ratio Lower Upper

149 100

167 27.5 21.7 32.5

279 4.4 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 61.820 ng

RT: 14.621 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139734.D

Acq: 09 Oct 2024 20:52

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOILMSD

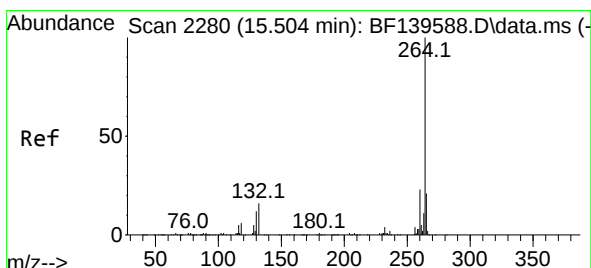
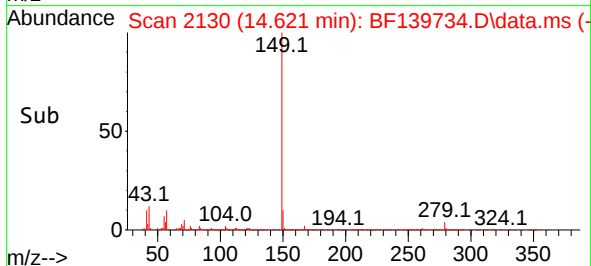
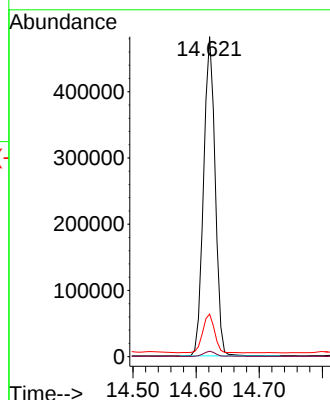
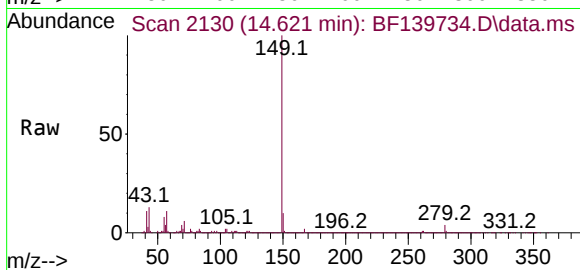
Tgt Ion:149 Resp: 611968

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 12.5 10.2 15.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.510 min Scan# 2281

Delta R.T. 0.006 min

Lab File: BF139734.D

Acq: 09 Oct 2024 20:52

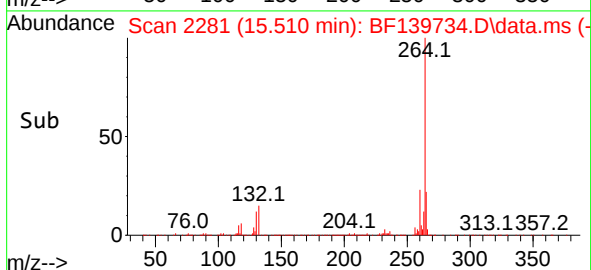
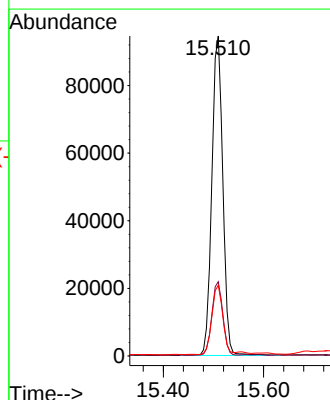
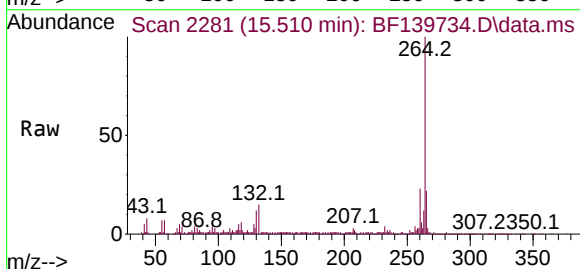
Tgt Ion:264 Resp: 143520

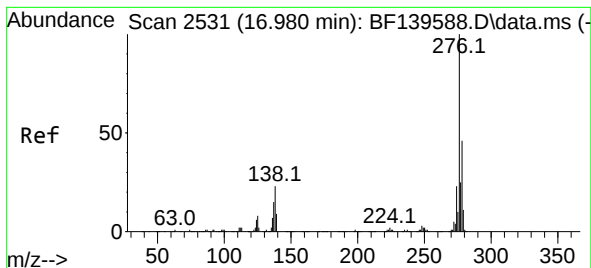
Ion Ratio Lower Upper

264 100

260 23.2 18.7 28.1

265 22.0 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 40.283 ng

RT: 16.992 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139734.D

Acq: 09 Oct 2024 20:52

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOILMSD

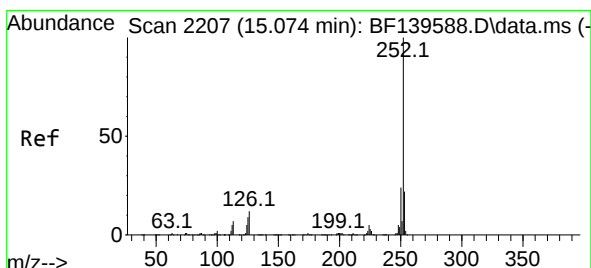
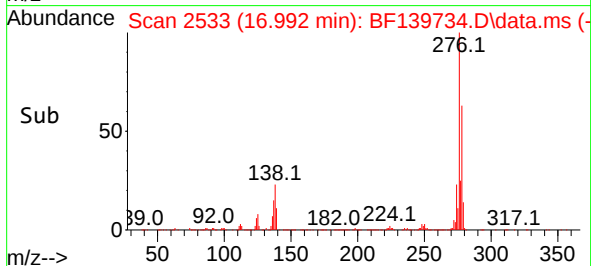
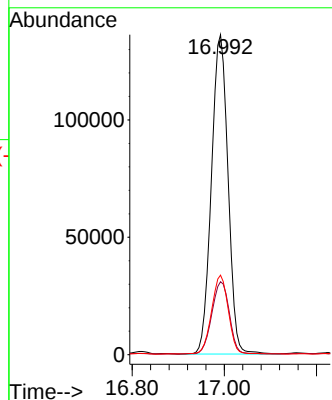
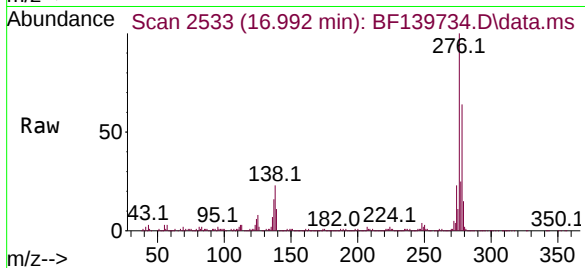
Tgt Ion:276 Resp: 340283

Ion Ratio Lower Upper

276 100

138 23.9 19.4 29.0

277 24.7 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 52.128 ng

RT: 15.080 min Scan# 2208

Delta R.T. 0.006 min

Lab File: BF139734.D

Acq: 09 Oct 2024 20:52

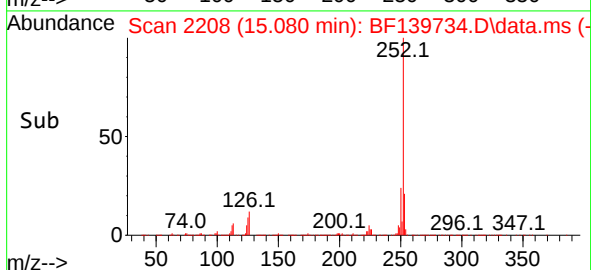
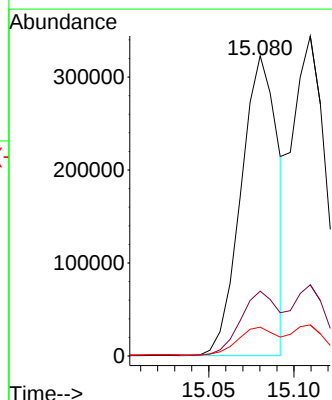
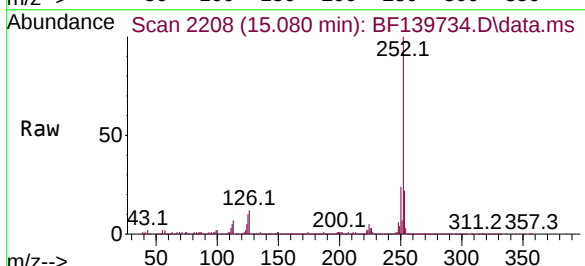
Tgt Ion:252 Resp: 483735

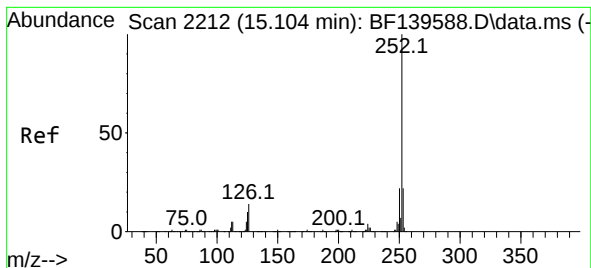
Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.0

125 9.6 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 49.487 ng

RT: 15.110 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139734.D

Acq: 09 Oct 2024 20:52

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOILMSD

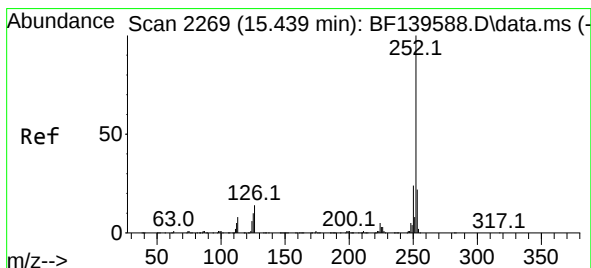
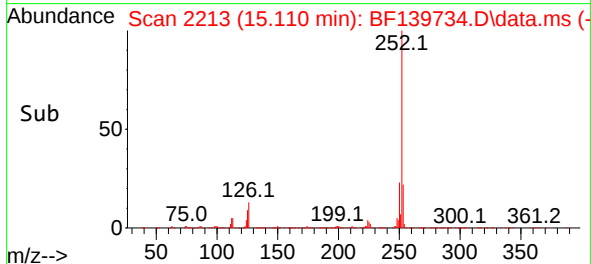
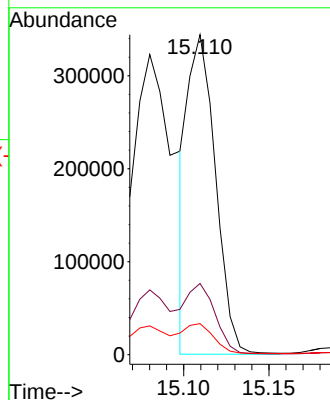
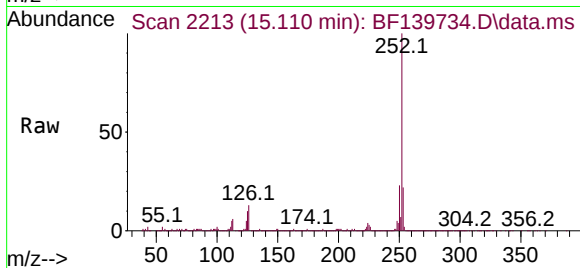
Tgt Ion:252 Resp: 389548

Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 9.7 7.6 11.4



#90

Benzo(a)pyrene

Concen: 55.385 ng

RT: 15.451 min Scan# 2271

Delta R.T. 0.012 min

Lab File: BF139734.D

Acq: 09 Oct 2024 20:52

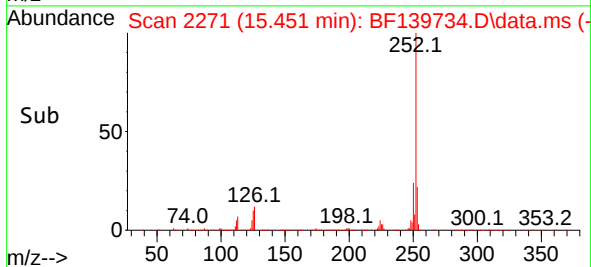
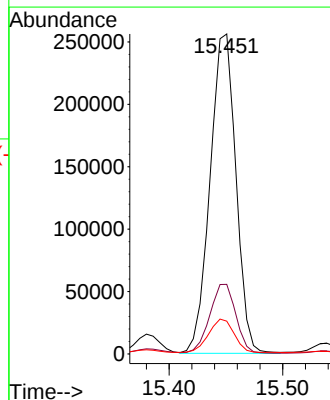
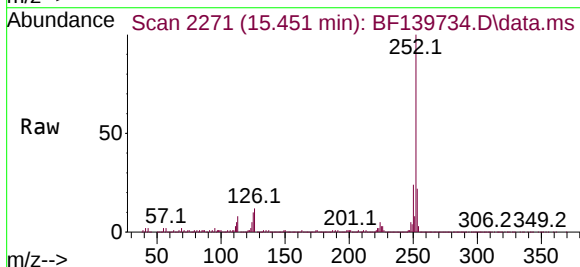
Tgt Ion:252 Resp: 405259

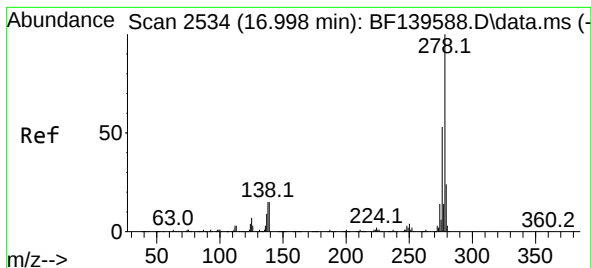
Ion Ratio Lower Upper

252 100

253 21.7 17.3 25.9

125 10.2 8.3 12.5

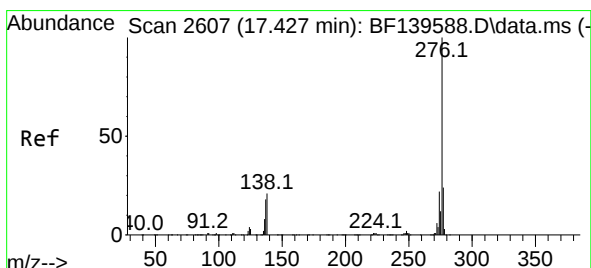
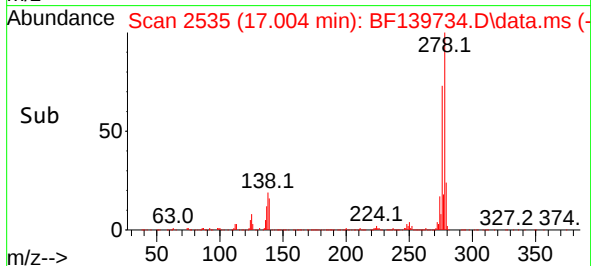
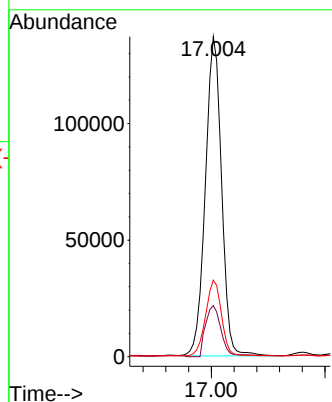
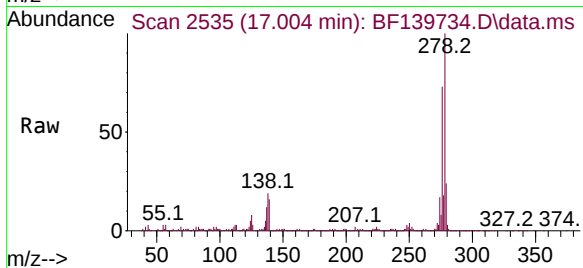




#91
Dibenzo(a,h)anthracene
Concen: 38.619 ng
RT: 17.004 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILMSD

Tgt Ion:278 Resp: 270572
Ion Ratio Lower Upper
278 100
139 16.0 12.2 18.4
279 23.9 19.2 28.8



#92
Benzo(g,h,i)perylene
Concen: 35.967 ng
RT: 17.439 min Scan# 2609
Delta R.T. 0.012 min
Lab File: BF139734.D
Acq: 09 Oct 2024 20:52

Tgt Ion:276 Resp: 252728
Ion Ratio Lower Upper
276 100
277 23.3 19.0 28.6
138 21.2 17.0 25.6

