

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100924\
 Data File : BF139733.D
 Acq On : 09 Oct 2024 20:23
 Operator : RC/JU
 Sample : P4359-01MS
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EXCAVATION-SOILMS

Quant Time: Oct 10 01:12:28 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	84821	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	310158	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	157085	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	237797	20.000	ng	0.00
76) Chrysene-d12	14.033	240	173226	20.000	ng	0.00
86) Perylene-d12	15.509	264	149626	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	562278	114.897	ng	0.01
7) Phenol-d6	6.504	99	743025	112.903	ng	0.00
23) Nitrobenzene-d5	7.434	82	479601	78.290	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	139244	91.825	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	840375	82.129	ng	0.00
79) Terphenyl-d14	12.974	244	659926	62.509	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.687	88	94334	44.586	ng	99
3) Pyridine	3.440	79	233868	45.449	ng	99
4) n-Nitrosodimethylamine	3.398	42	156169	46.366	ng	96
6) Aniline	6.534	93	150920	25.843	ng	# 76
8) 2-Chlorophenol	6.657	128	255524	48.735	ng	97
9) Benzaldehyde	6.416	77	77644	22.272	ng	99
10) Phenol	6.522	94	327594	47.340	ng	98
11) bis(2-Chloroethyl)ether	6.604	93	251726	44.677	ng	99
12) 1,3-Dichlorobenzene	6.810	146	269000	45.606	ng	98
13) 1,4-Dichlorobenzene	6.886	146	270711	45.316	ng	99
14) 1,2-Dichlorobenzene	7.039	146	257326	45.961	ng	99
15) Benzyl Alcohol	7.010	79	235641	46.862	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.139	45	450503	46.186	ng	83
17) 2-Methylphenol	7.128	107	200908	45.900	ng	97
18) Hexachloroethane	7.381	117	86990	39.040	ng	98
19) n-Nitroso-di-n-propyla...	7.281	70	191033	45.150	ng	98
20) 3+4-Methylphenols	7.281	107	257750	46.882	ng	97
22) Acetophenone	7.275	105	345163	46.883	ng	96
24) Nitrobenzene	7.451	77	287300	45.291	ng	99
25) Isophorone	7.692	82	504375	46.356	ng	100
26) 2-Nitrophenol	7.769	139	129972	47.661	ng	98
27) 2,4-Dimethylphenol	7.804	122	194203	58.173	ng	98
28) bis(2-Chloroethoxy)met...	7.898	93	301508	46.406	ng	100
29) 2,4-Dichlorophenol	8.010	162	205406	47.172	ng	100
30) 1,2,4-Trichlorobenzene	8.092	180	219583	44.590	ng	99
31) Naphthalene	8.175	128	734016	46.287	ng	99
32) Benzoic acid	7.928	122	118538	35.709	ng	98
33) 4-Chloroaniline	8.228	127	42827	7.978	ng	98
34) Hexachlorobutadiene	8.286	225	142640	44.760	ng	99
35) Caprolactam	8.592	113	66168	46.329	ng	98
36) 4-Chloro-3-methylphenol	8.710	107	218444	44.316	ng	100
37) 2-Methylnaphthalene	8.863	142	468510	45.362	ng	100
38) 1-Methylnaphthalene	8.963	142	433293	42.919	ng	99
40) 1,2,4,5-Tetrachloroben...	9.028	216	216904	49.725	ng	99
41) Hexachlorocyclopentadiene	9.010	237	32699	24.448	ng	99
43) 2,4,6-Trichlorophenol	9.145	196	143455	48.785	ng	99

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 QLast Update : Wed Oct 02 04:58:47 2024
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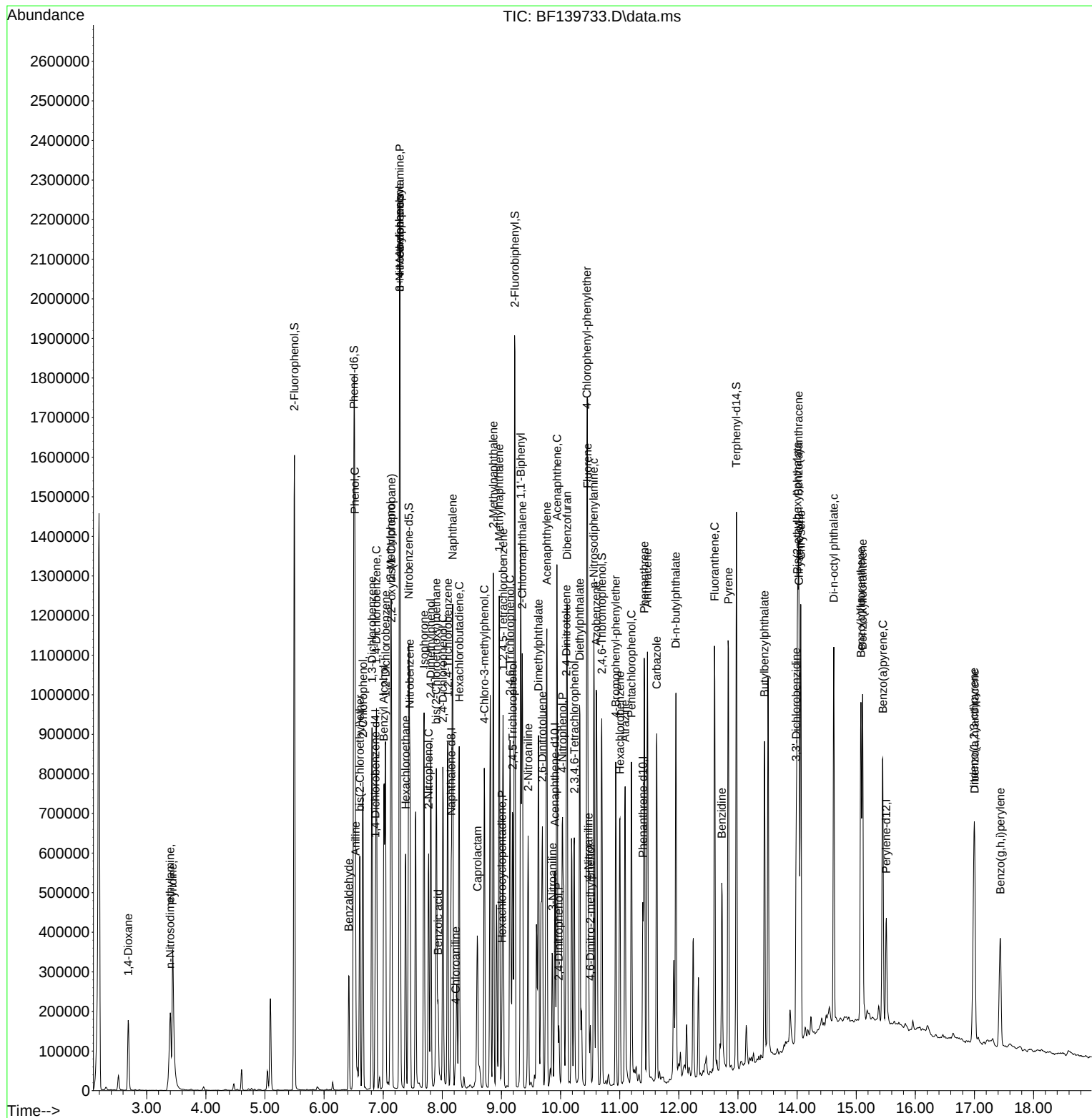
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	146104	46.073	ng	99
46) 1,1'-Biphenyl	9.328	154	568329	48.644	ng	100
47) 2-Chloronaphthalene	9.351	162	413641	47.226	ng	100
48) 2-Nitroaniline	9.451	65	151539	48.197	ng	98
49) Acenaphthylene	9.769	152	668406	50.180	ng	100
50) Dimethylphthalate	9.627	163	505860	49.194	ng	100
51) 2,6-Dinitrotoluene	9.692	165	102201	43.998	ng	95
52) Acenaphthene	9.939	154	409183	44.747	ng	99
53) 3-Nitroaniline	9.863	138	68273	28.761	ng	93
54) 2,4-Dinitrophenol	9.969	184	27448	21.969	ng	97
55) Dibenzofuran	10.110	168	583109	45.544	ng	100
56) 4-Nitrophenol	10.033	139	142509	78.725	ng	95
57) 2,4-Dinitrotoluene	10.098	165	125330	41.278	ng	97
58) Fluorene	10.457	166	440599	43.206	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	111173	43.405	ng	96
60) Diethylphthalate	10.322	149	491486	46.274	ng	99
61) 4-Chlorophenyl-phenyle...	10.445	204	222995	43.710	ng	97
62) 4-Nitroaniline	10.475	138	84159	34.661	ng	97
63) Azobenzene	10.604	77	564496	52.849	ng	97
65) 4,6-Dinitro-2-methylph...	10.504	198	23561	17.543	ng	97
66) n-Nitrosodiphenylamine	10.563	169	386247	55.104	ng	100
67) 4-Bromophenyl-phenylether	10.933	248	123907	50.820	ng	97
68) Hexachlorobenzene	11.004	284	127712	47.205	ng	97
69) Atrazine	11.092	200	114951	61.123	ng	99
70) Pentachlorophenol	11.198	266	129637	80.471	ng	99
71) Phenanthrene	11.416	178	565296	50.417	ng	100
72) Anthracene	11.469	178	557456	50.256	ng	100
73) Carbazole	11.627	167	500773	47.005	ng	100
74) Di-n-butylphthalate	11.951	149	657679	50.766	ng	99
75) Fluoranthene	12.604	202	618580	50.469	ng	100
77) Benzidine	12.727	184	274629	89.880	ng	99
78) Pyrene	12.839	202	650874	42.010	ng	99
80) Butylbenzylphthalate	13.451	149	250384	45.181	ng	97
81) Benzo(a)anthracene	14.027	228	599087	52.602	ng	100
82) 3,3'-Dichlorobenzidine	13.986	252	160544	46.060	ng	98
83) Chrysene	14.063	228	527209	50.633	ng	99
84) Bis(2-ethylhexyl)phtha...	14.004	149	350066	50.588	ng	100
85) Di-n-octyl phthalate	14.621	149	602418	59.257	ng	99
87) Indeno(1,2,3-cd)pyrene	16.992	276	343045	38.953	ng	99
88) Benzo(b)fluoranthene	15.080	252	506928	52.398	ng	99
89) Benzo(k)fluoranthene	15.110	252	466947	56.899	ng	99
90) Benzo(a)pyrene	15.451	252	421115	55.204	ng	100
91) Dibenzo(a,h)anthracene	17.003	278	282212	38.636	ng	100
92) Benzo(g,h,i)perylene	17.439	276	251981	34.398	ng	98

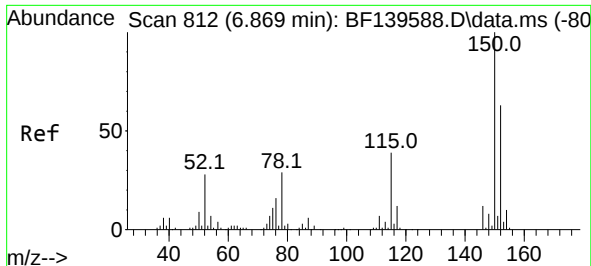
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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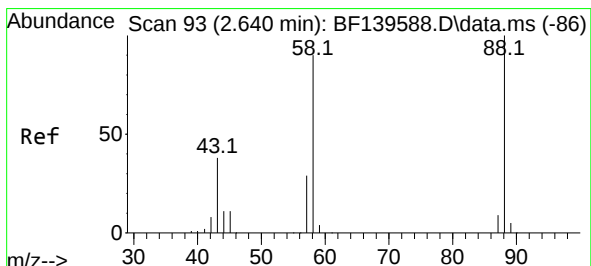
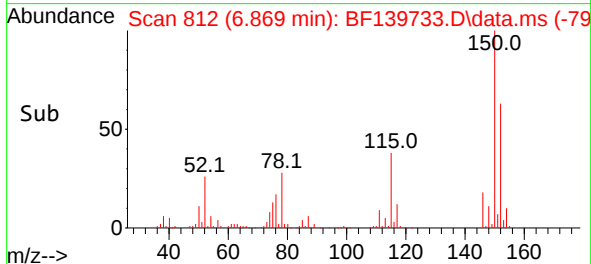
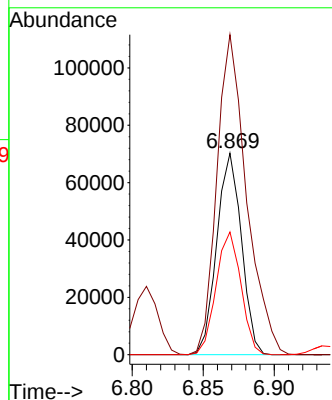
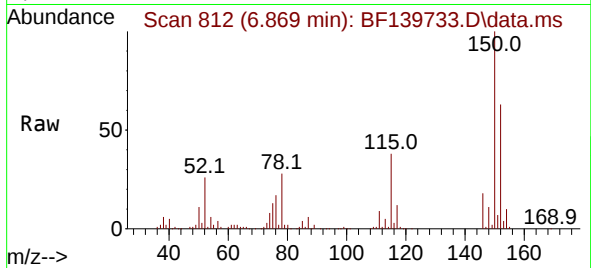




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF139733.D
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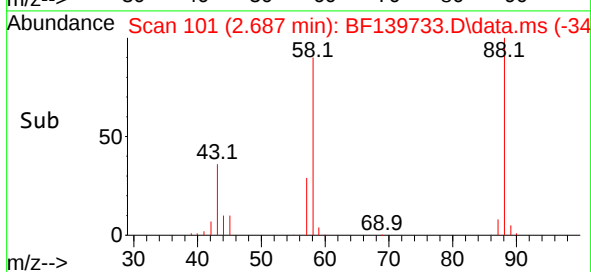
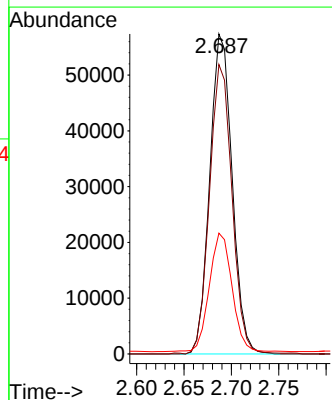
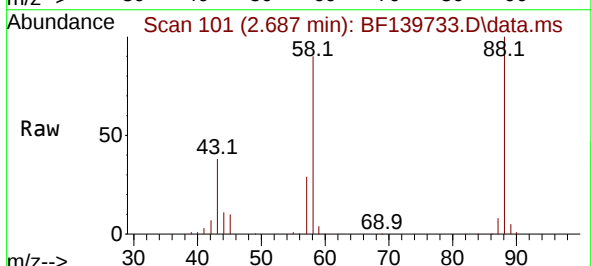
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BNA_F
ClientSampleId :
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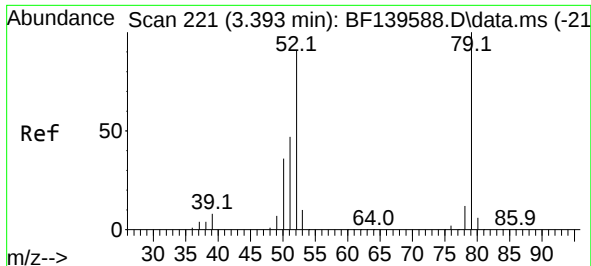
Tgt Ion:152 Resp: 84821
Ion Ratio Lower Upper
152 100
150 158.9 127.2 190.8
115 60.9 49.0 73.4



#2
1,4-Dioxane
Concen: 44.586 ng
RT: 2.687 min Scan# 101
Delta R.T. 0.047 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

Tgt Ion: 88 Resp: 94334
Ion Ratio Lower Upper
88 100
58 91.2 72.0 108.0
43 37.5 30.8 46.2

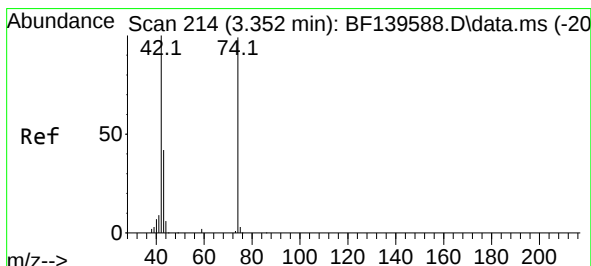
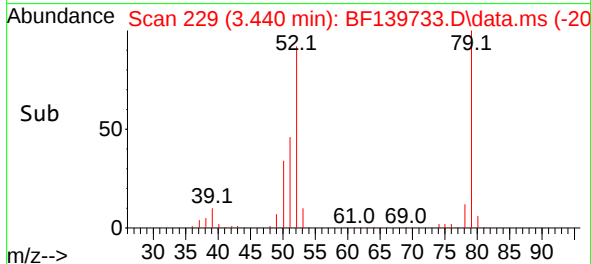
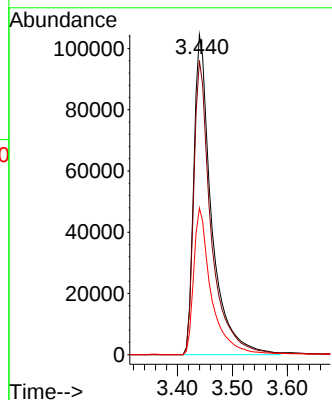
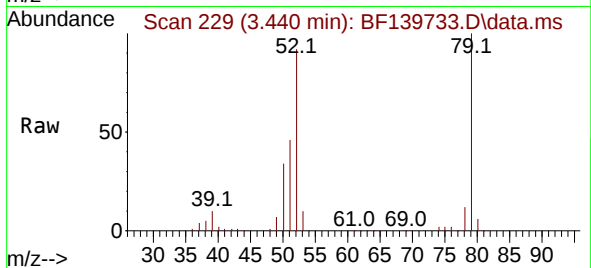




#3
Pyridine
Concen: 45.449 ng
RT: 3.440 min Scan# 21
Delta R.T. 0.047 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

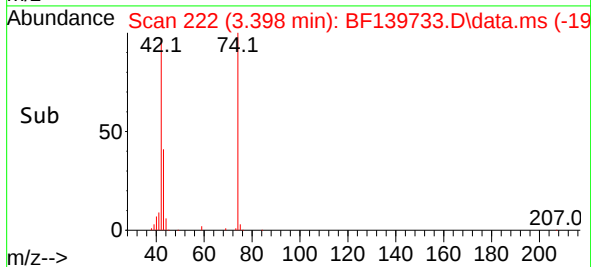
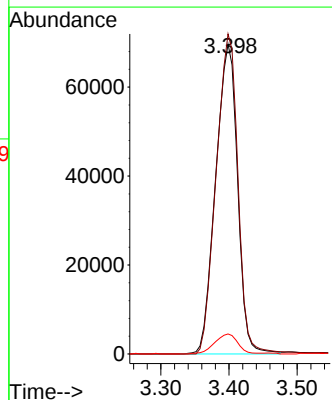
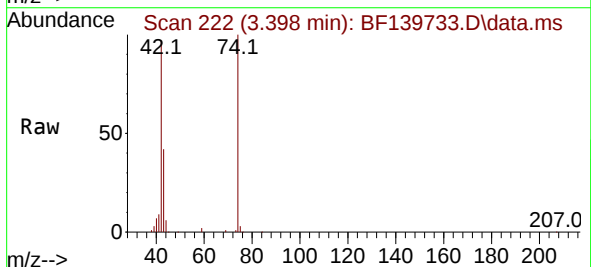
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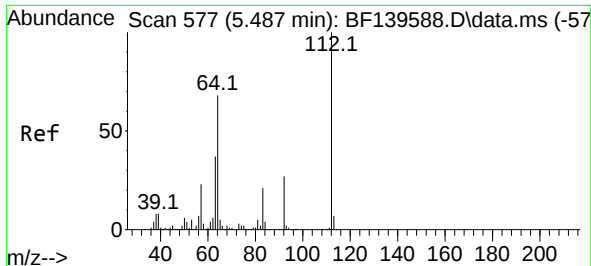
Tgt Ion: 79 Resp: 233868
Ion Ratio Lower Upper
79 100
52 91.9 72.6 109.0
51 45.8 37.5 56.3



#4
n-Nitrosodimethylamine
Concen: 46.366 ng
RT: 3.398 min Scan# 222
Delta R.T. 0.047 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

Tgt Ion: 42 Resp: 156169
Ion Ratio Lower Upper
42 100
74 103.3 79.0 118.6
44 6.4 5.2 7.8

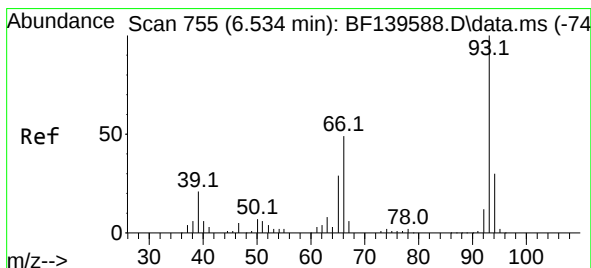
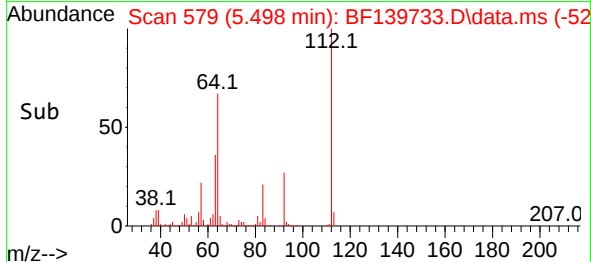
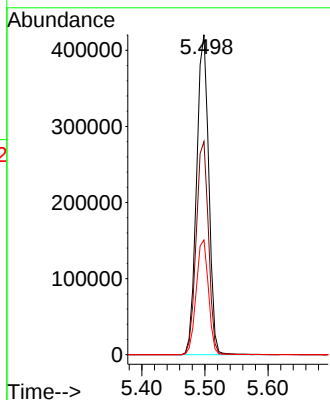
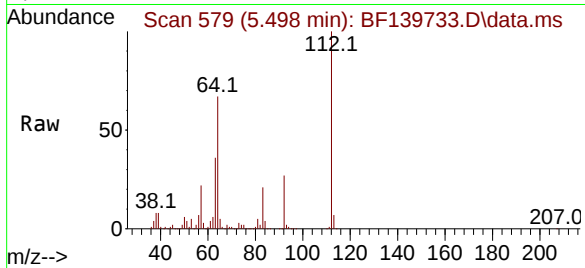




#5
2-Fluorophenol
Concen: 114.897 ng
RT: 5.498 min Scan# 51
Delta R.T. 0.011 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

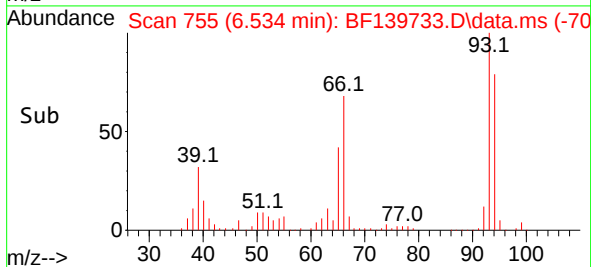
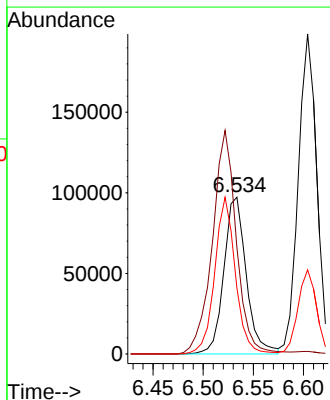
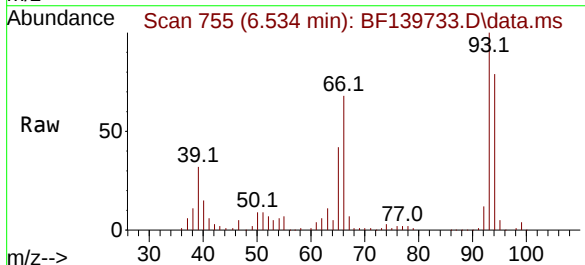
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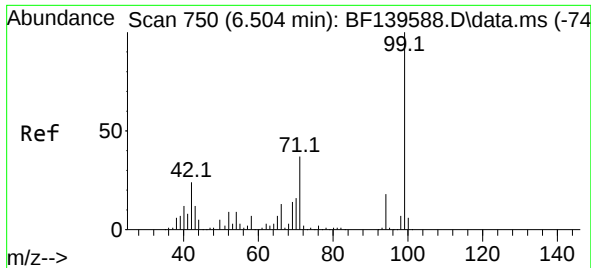
Tgt Ion:112 Resp: 562278
Ion Ratio Lower Upper
112 100
64 66.6 54.2 81.4
63 35.8 29.4 44.2



#6
Aniline
Concen: 25.843 ng
RT: 6.534 min Scan# 755
Delta R.T. -0.000 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

Tgt Ion: 93 Resp: 150920
Ion Ratio Lower Upper
93 100
66 67.8 40.9 61.3#
65 42.0 23.3 34.9#

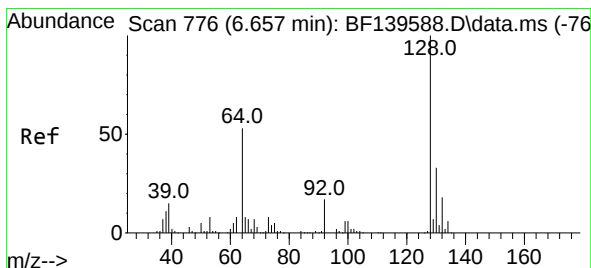
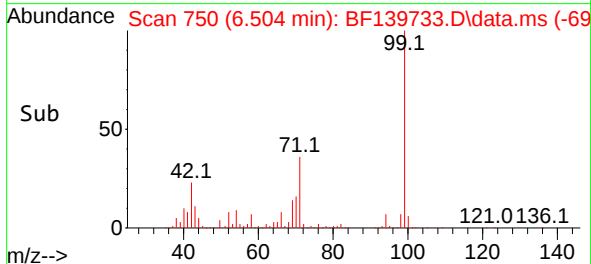
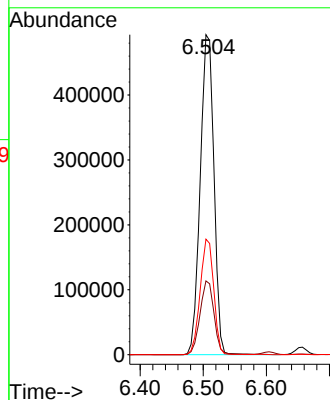
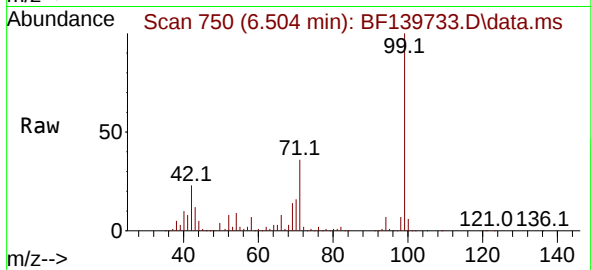




#7
Phenol-d6
Concen: 112.903 ng
RT: 6.504 min Scan# 711
Delta R.T. -0.000 min
Lab File: BF139733.D
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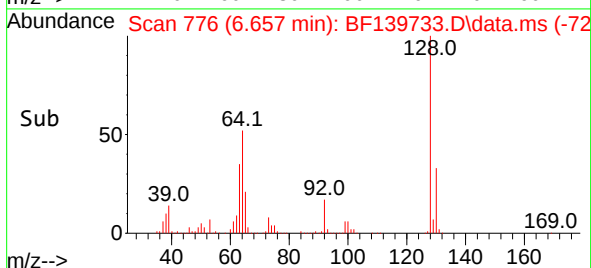
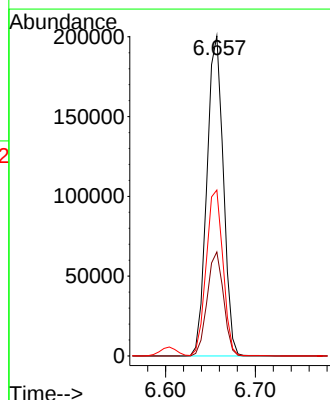
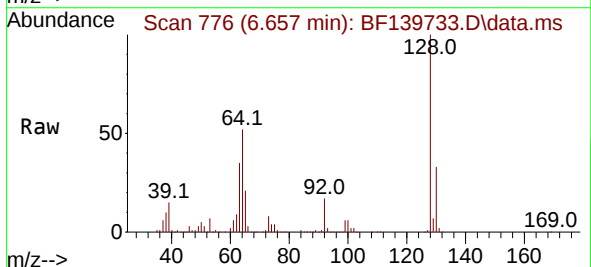
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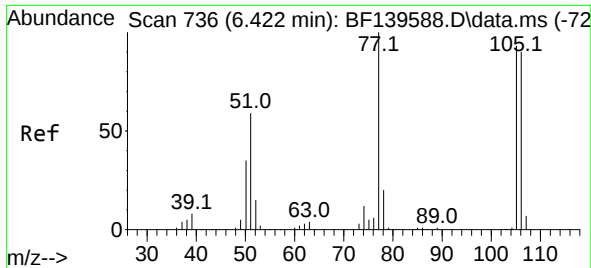
Tgt Ion: 99 Resp: 743025
Ion Ratio Lower Upper
99 100
42 23.1 19.1 28.7
71 36.1 29.7 44.5



#8
2-Chlorophenol
Concen: 48.735 ng
RT: 6.657 min Scan# 776
Delta R.T. -0.000 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

Tgt Ion:128 Resp: 255524
Ion Ratio Lower Upper
128 100
130 32.5 13.2 53.2
64 51.8 35.1 75.1





#9

Benzaldehyde

Concen: 22.272 ng

RT: 6.416 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF139733.D

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BNA_F

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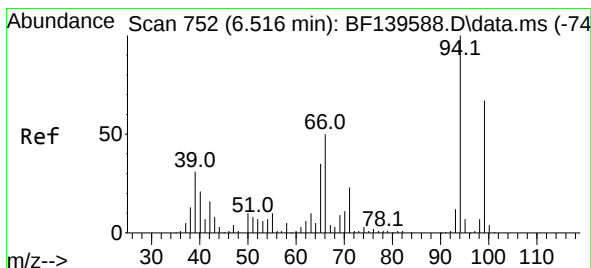
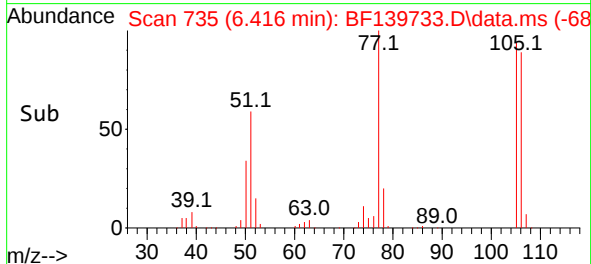
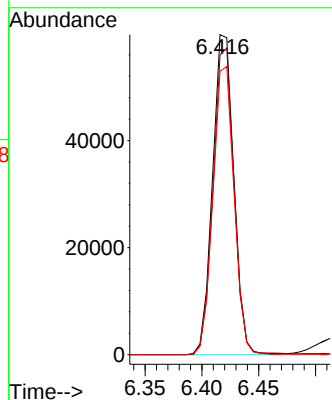
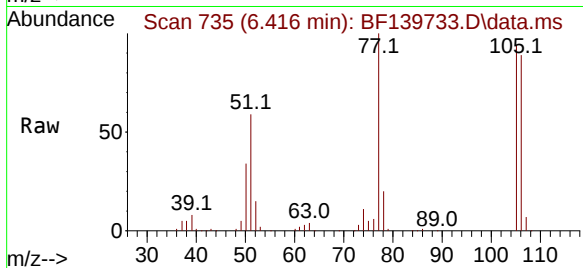
Tgt Ion: 77 Resp: 77644

Ion Ratio Lower Upper

77 100

105 93.6 72.7 112.7

106 88.5 70.1 110.1



#10

Phenol

Concen: 47.340 ng

RT: 6.522 min Scan# 753

Delta R.T. 0.006 min

Lab File: BF139733.D

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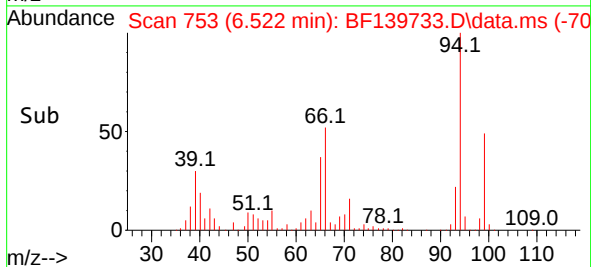
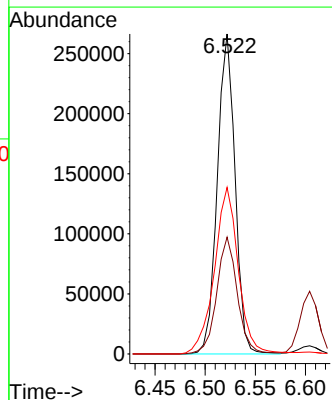
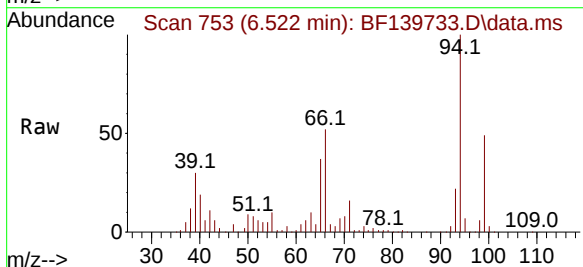
Tgt Ion: 94 Resp: 327594

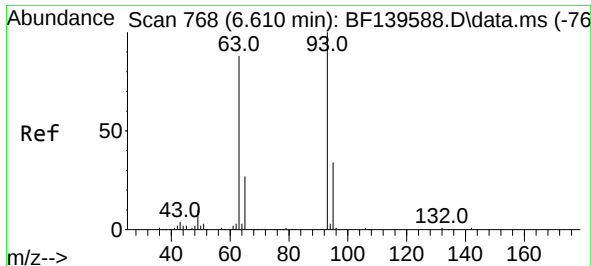
Ion Ratio Lower Upper

94 100

65 36.5 15.3 55.3

66 52.1 30.5 70.5





#11

bis(2-Chloroethyl)ether

Concen: 44.677 ng

RT: 6.604 min Scan# 768

Delta R.T. -0.006 min

Lab File: BF139733.D

Acq: 09 Oct 2024 20:23

Instrument :

BNA_F

ClientSampleId :

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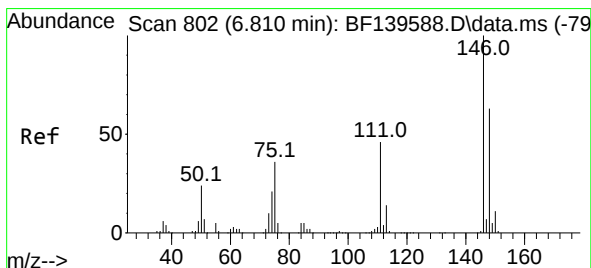
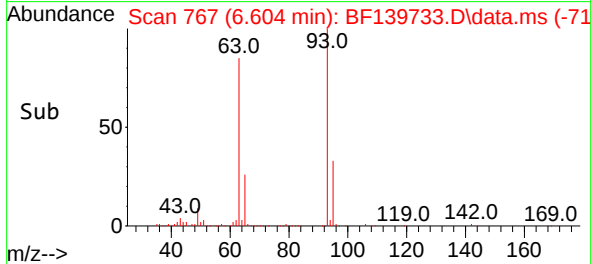
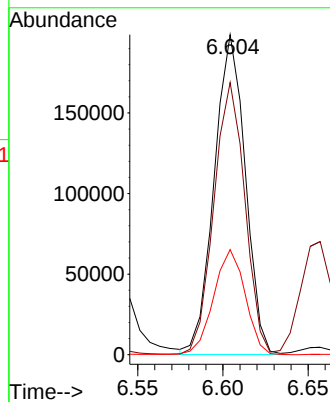
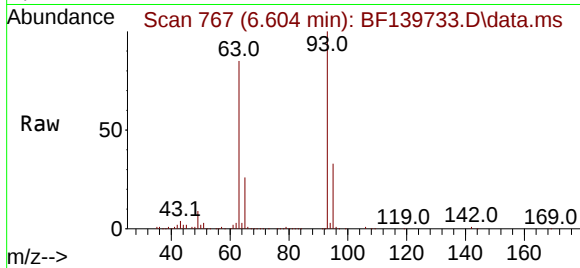
Tgt Ion: 93 Resp: 251726

Ion Ratio Lower Upper

93 100

63 85.0 64.1 104.1

95 32.9 12.3 52.3



#12

1,3-Dichlorobenzene

Concen: 45.606 ng

RT: 6.810 min Scan# 802

Delta R.T. -0.000 min

Lab File: BF139733.D

Acq: 09 Oct 2024 20:23

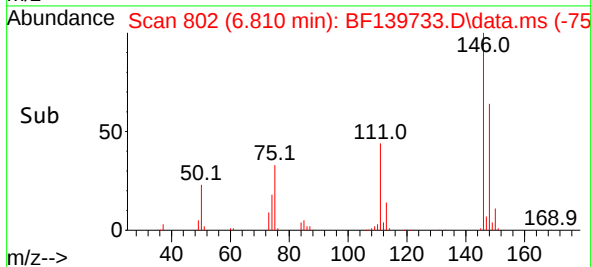
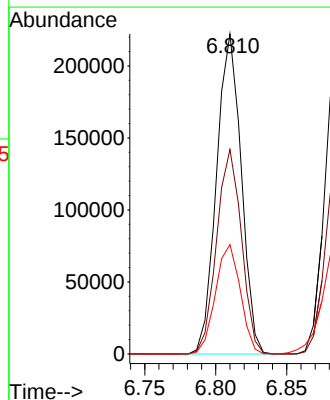
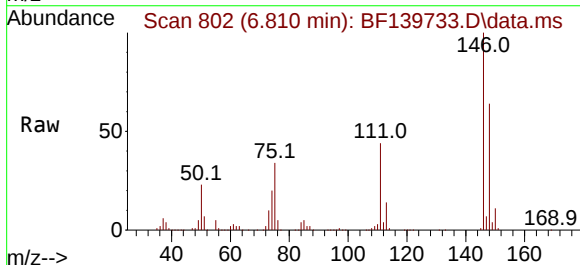
Tgt Ion: 146 Resp: 269000

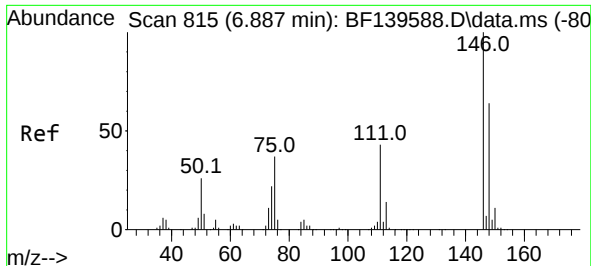
Ion Ratio Lower Upper

146 100

148 63.9 50.2 75.4

75 34.2 28.5 42.7





#13

1,4-Dichlorobenzene

Concen: 45.316 ng

RT: 6.886 min Scan# 815

Delta R.T. -0.000 min

Lab File: BF139733.D

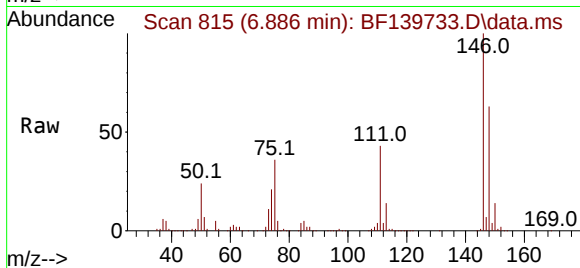
Acq: 09 Oct 2024 20:23

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOILMS



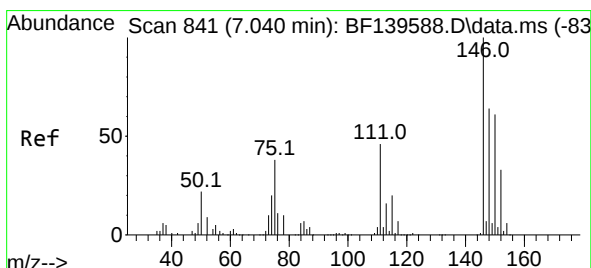
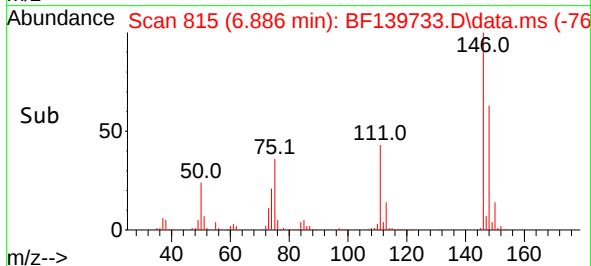
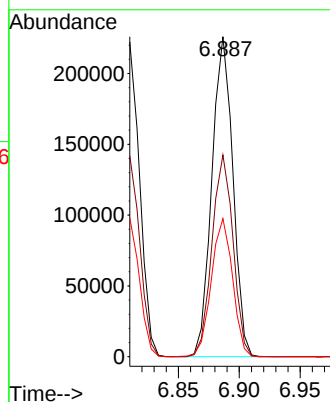
Tgt Ion:146 Resp: 270711

Ion Ratio Lower Upper

146 100

148 63.1 51.0 76.6

111 43.1 34.9 52.3



#14

1,2-Dichlorobenzene

Concen: 45.961 ng

RT: 7.039 min Scan# 841

Delta R.T. -0.000 min

Lab File: BF139733.D

Acq: 09 Oct 2024 20:23

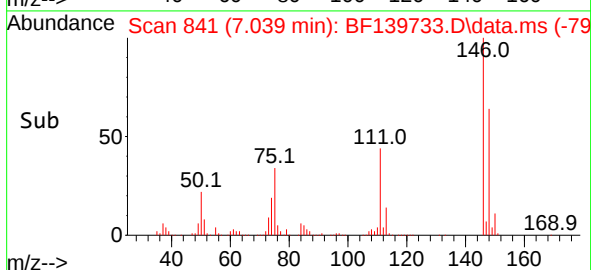
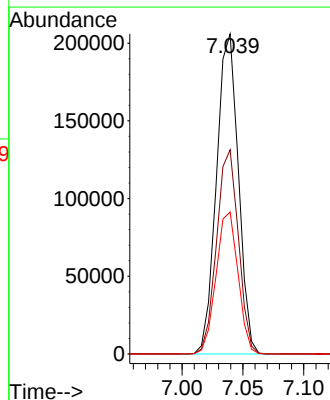
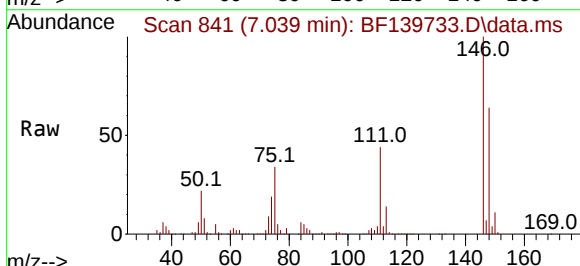
Tgt Ion:146 Resp: 257326

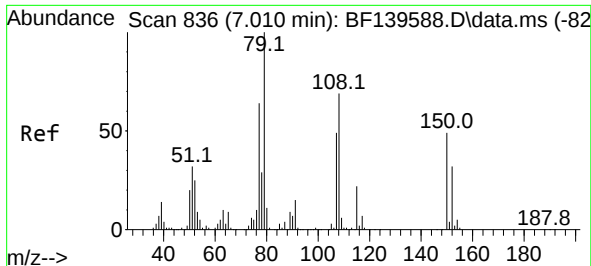
Ion Ratio Lower Upper

146 100

148 63.8 51.2 76.8

111 44.4 37.0 55.6

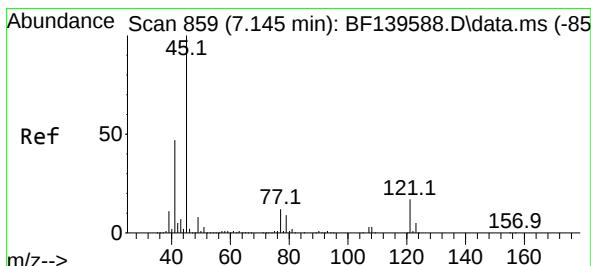
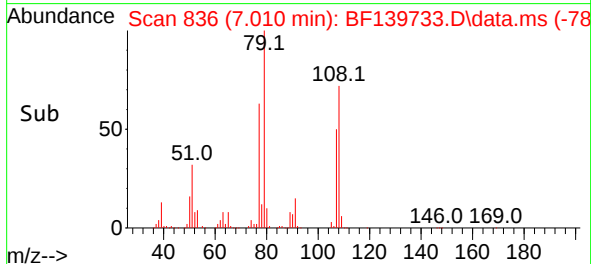
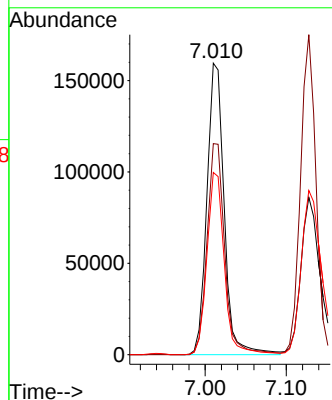
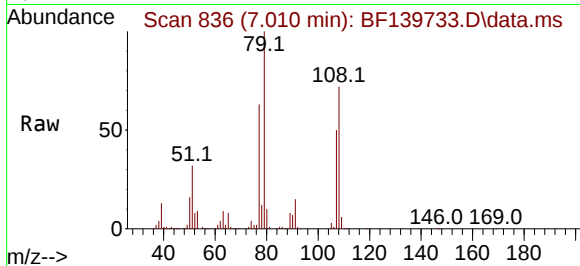




#15
Benzyl Alcohol
Concen: 46.862 ng
RT: 7.010 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

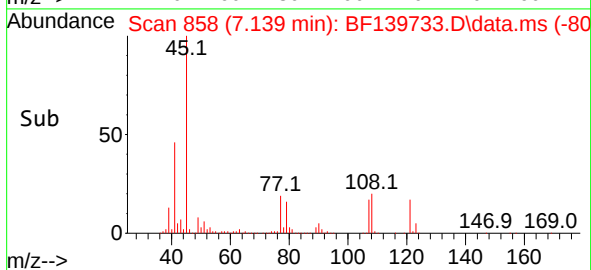
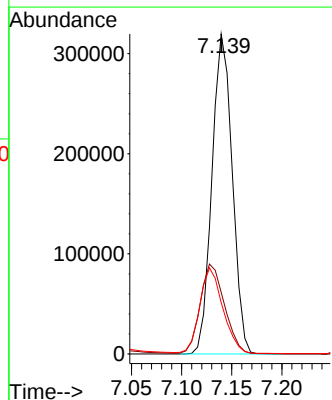
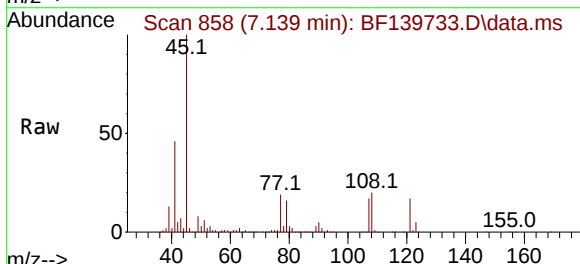
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILMS

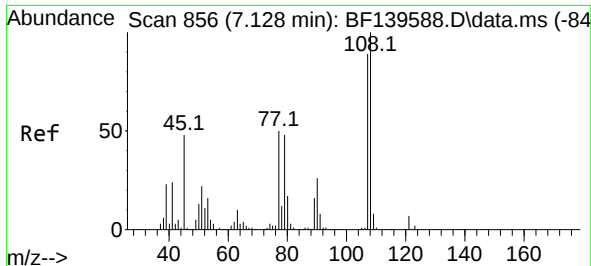
Tgt Ion: 79 Resp: 235641
Ion Ratio Lower Upper
79 100
108 72.4 55.1 82.7
77 62.5 50.8 76.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.186 ng
RT: 7.139 min Scan# 858
Delta R.T. -0.006 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

Tgt Ion: 45 Resp: 450503
Ion Ratio Lower Upper
45 100
77 19.3 0.0 32.5
79 16.1 0.0 29.7

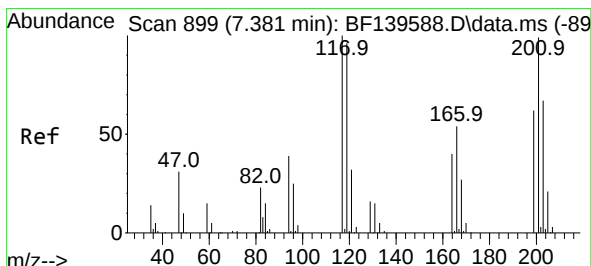
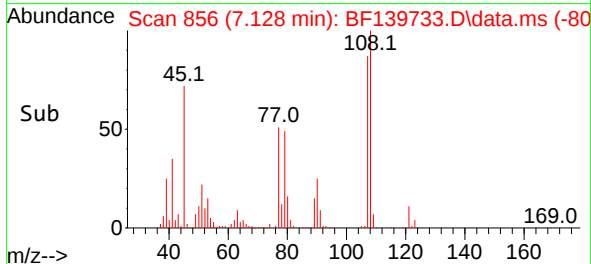
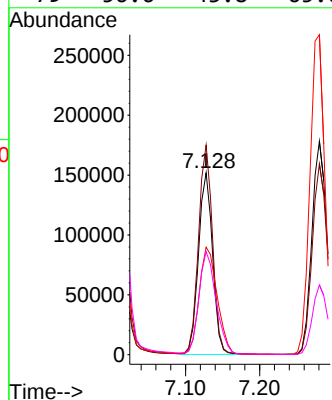
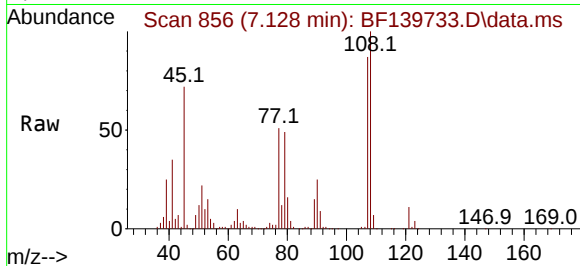




#17
2-Methylphenol
Concen: 45.900 ng
RT: 7.128 min Scan# 856
Delta R.T. -0.000 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

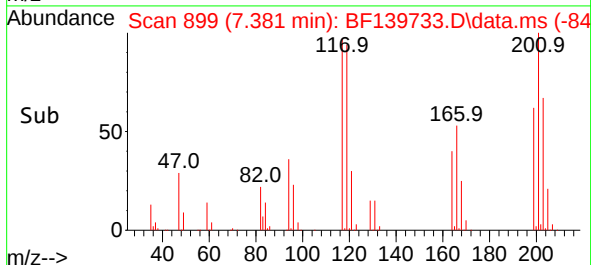
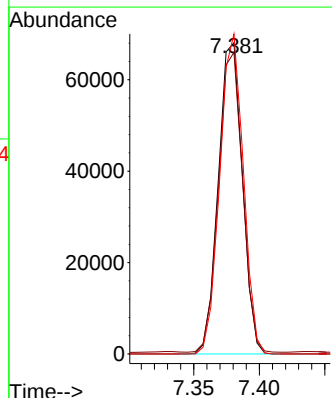
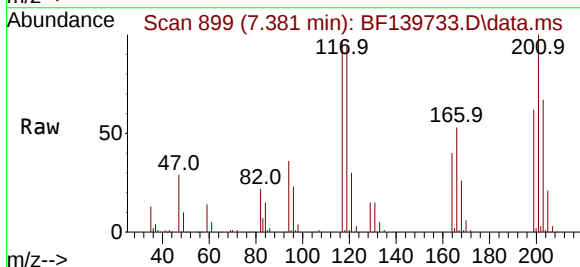
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILMS

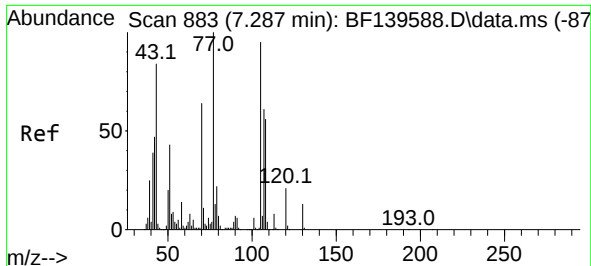
Tgt Ion:	107	Resp:	200908
Ion	Ratio	Lower	Upper
107	100		
108	115.2	89.8	134.6
77	59.1	44.6	67.0
79	56.6	43.8	65.6



#18
Hexachloroethane
Concen: 39.040 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.000 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

Tgt Ion:	117	Resp:	86990
Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.0	115.6
201	102.8	79.2	118.8





#19

n-Nitroso-di-n-propylamine

Concen: 45.150 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF139733.D

Acq: 09 Oct 2024 20:23

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOILMS

Tgt Ion: 70 Resp: 191033

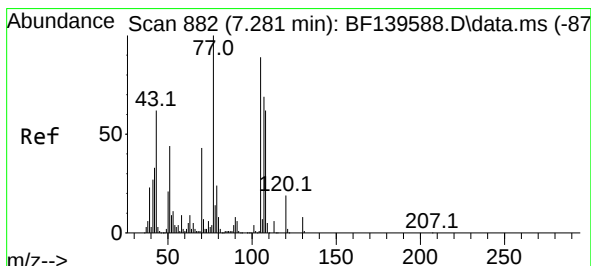
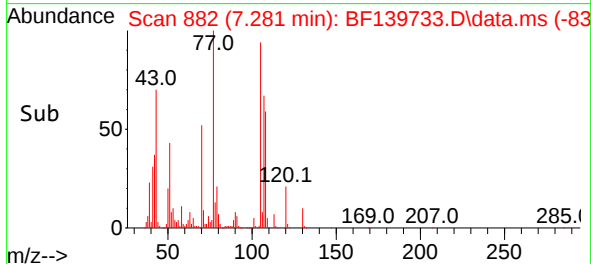
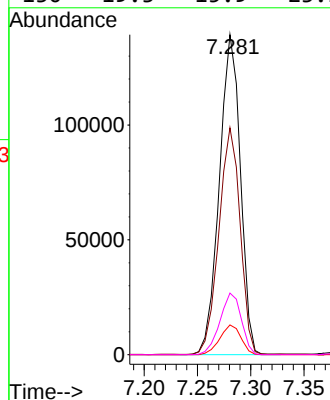
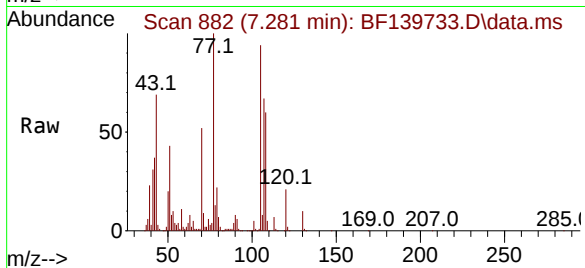
Ion Ratio Lower Upper

70 100

42 70.9 58.0 87.0

101 9.3 7.8 11.8

130 19.3 15.9 23.9



#20

3+4-Methylphenols

Concen: 46.882 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.000 min

Lab File: BF139733.D

Acq: 09 Oct 2024 20:23

Tgt Ion:107 Resp: 257750

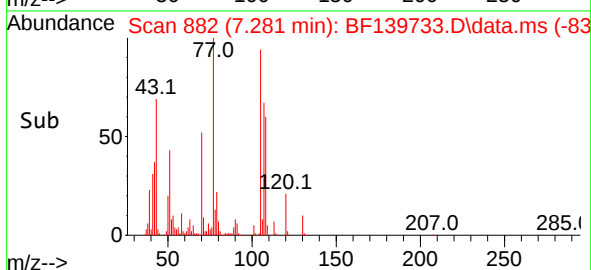
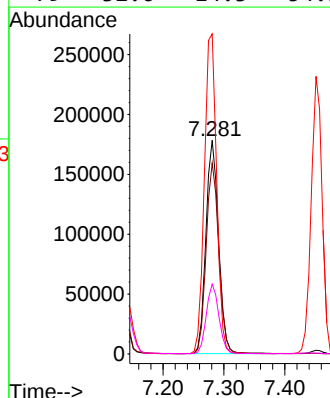
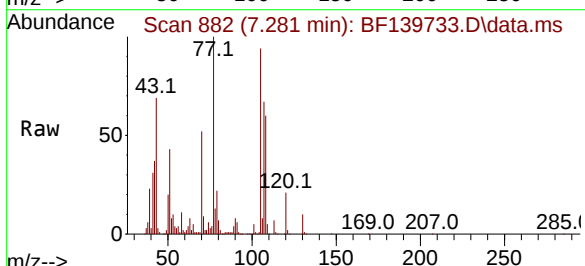
Ion Ratio Lower Upper

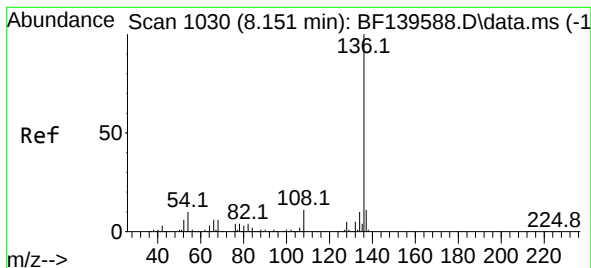
107 100

108 89.4 70.2 110.2

77 149.8 125.3 165.3

79 32.6 14.3 54.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.151 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139733.D

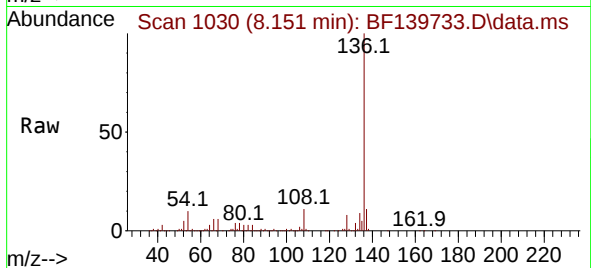
Acq: 09 Oct 2024 20:23

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:136 Resp: 310158

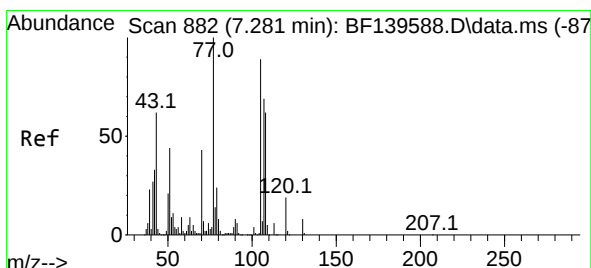
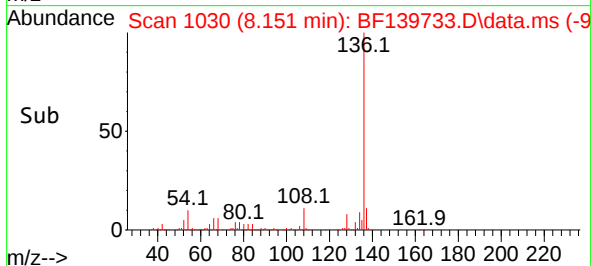
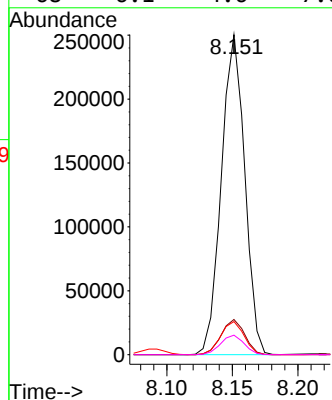
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 10.4 8.3 12.5

68 6.1 4.6 7.0



#22

Acetophenone

Concen: 46.883 ng

RT: 7.275 min Scan# 881

Delta R.T. -0.006 min

Lab File: BF139733.D

Acq: 09 Oct 2024 20:23

Tgt Ion:105 Resp: 345163

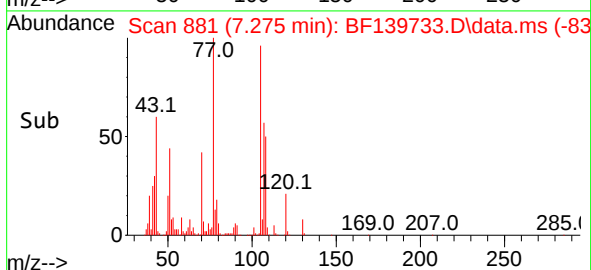
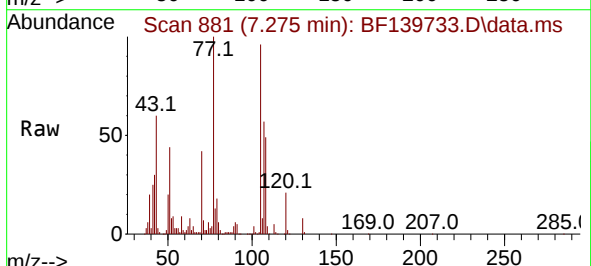
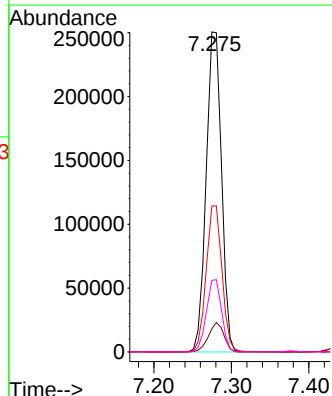
Ion Ratio Lower Upper

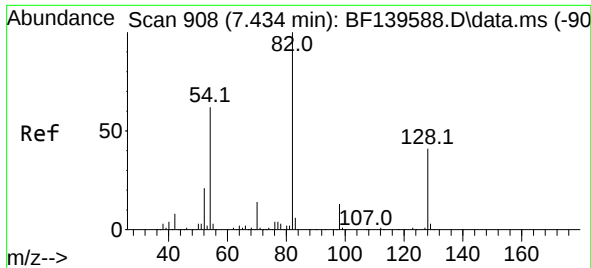
105 100

71 7.3 6.6 10.0

51 45.6 39.4 59.0

120 22.3 17.4 26.2

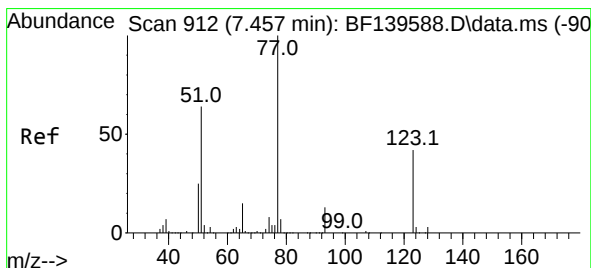
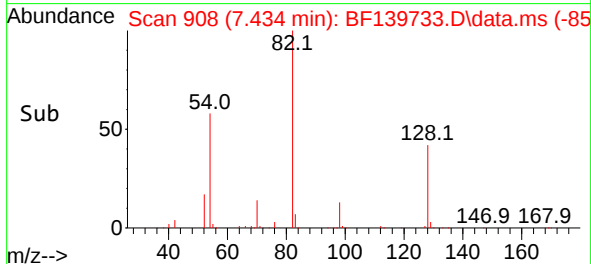
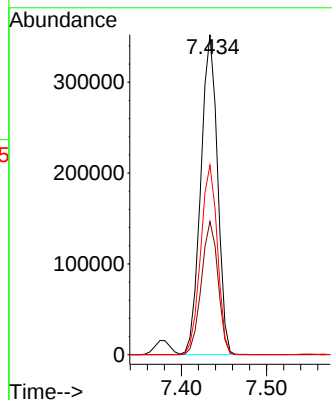
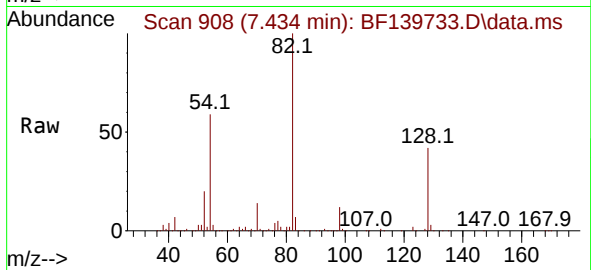




#23
Nitrobenzene-d5
Concen: 78.290 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.000 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

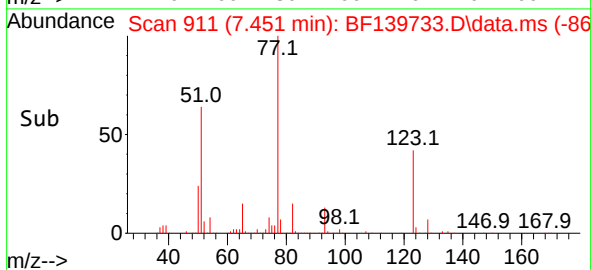
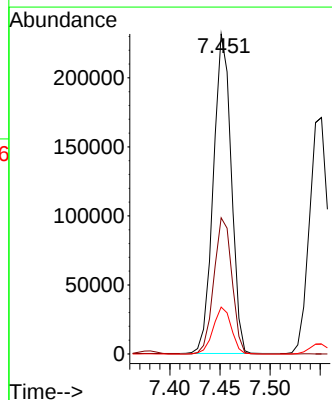
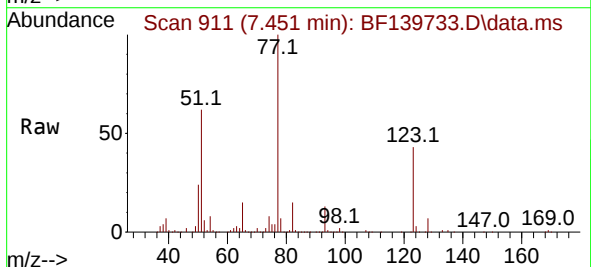
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILMS

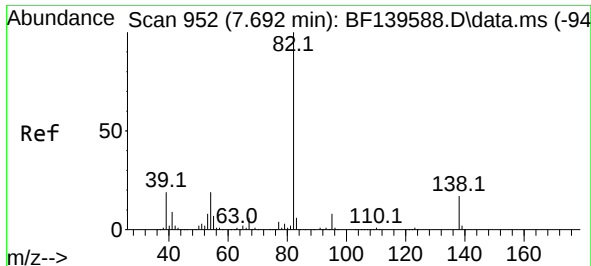
Tgt Ion: 82 Resp: 479601
Ion Ratio Lower Upper
82 100
128 41.6 32.4 48.6
54 59.2 49.1 73.7



#24
Nitrobenzene
Concen: 45.291 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

Tgt Ion: 77 Resp: 287300
Ion Ratio Lower Upper
77 100
123 42.5 34.2 51.4
65 14.7 12.1 18.1

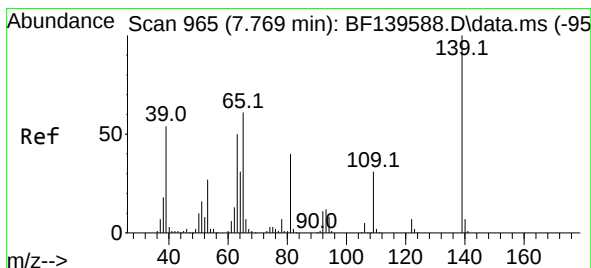
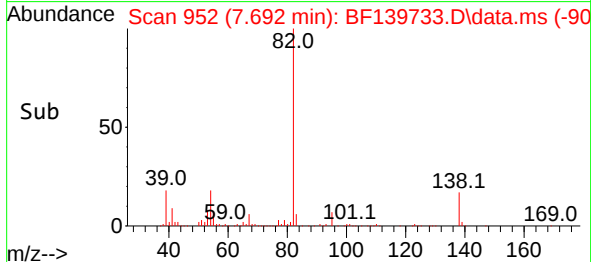
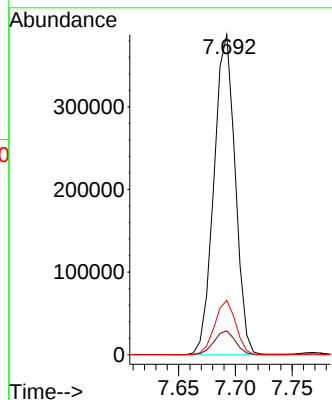
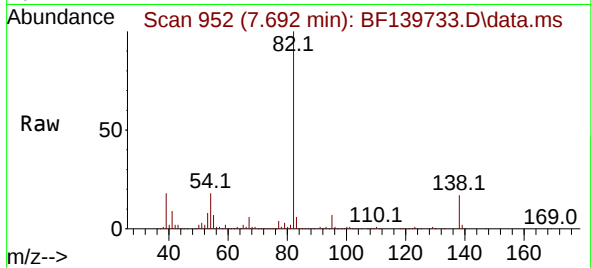




#25
Isophorone
Concen: 46.356 ng
RT: 7.692 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

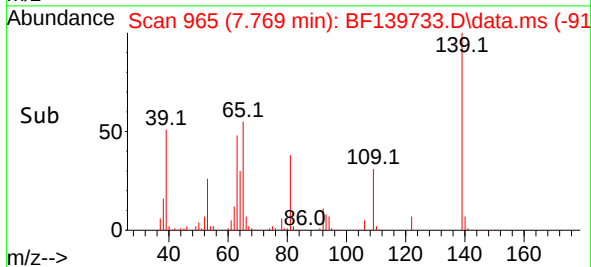
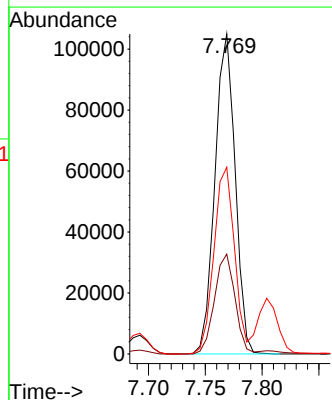
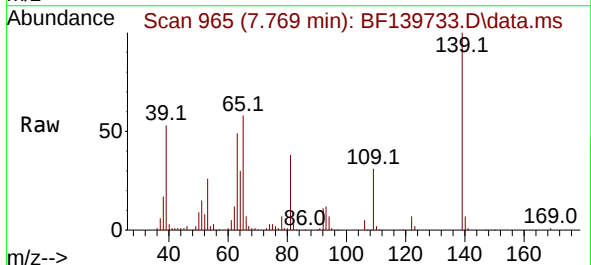
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILMS

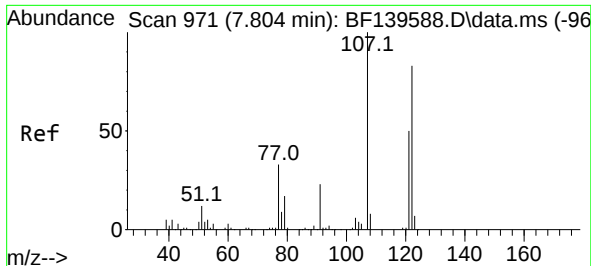
Tgt Ion: 82 Resp: 504375
Ion Ratio Lower Upper
82 100
95 7.4 6.1 9.1
138 16.9 13.4 20.2



#26
2-Nitrophenol
Concen: 47.661 ng
RT: 7.769 min Scan# 965
Delta R.T. -0.000 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

Tgt Ion: 139 Resp: 129972
Ion Ratio Lower Upper
139 100
109 31.2 24.9 37.3
65 58.3 48.6 72.8

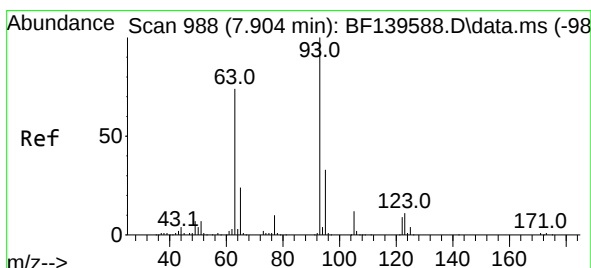
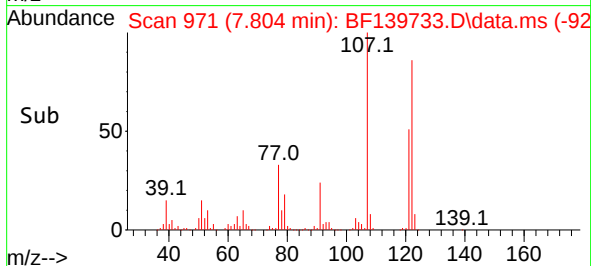
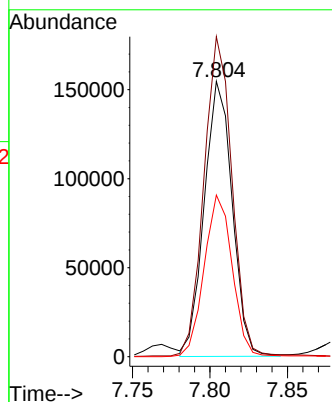
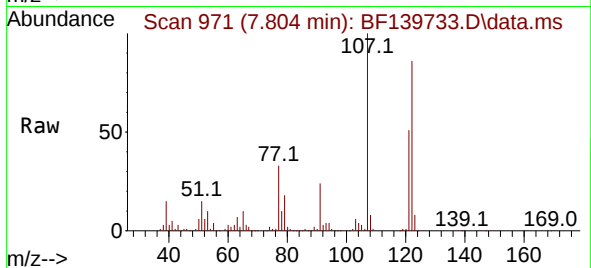




#27
2,4-Dimethylphenol
Concen: 58.173 ng
RT: 7.804 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

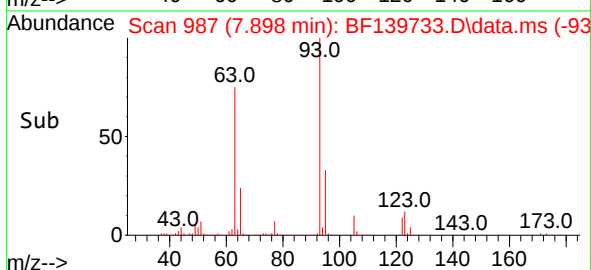
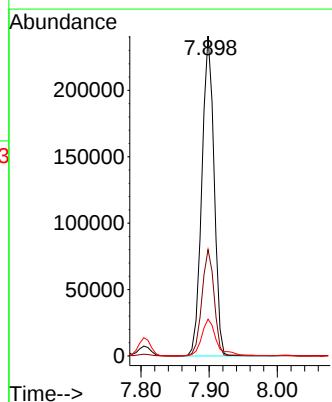
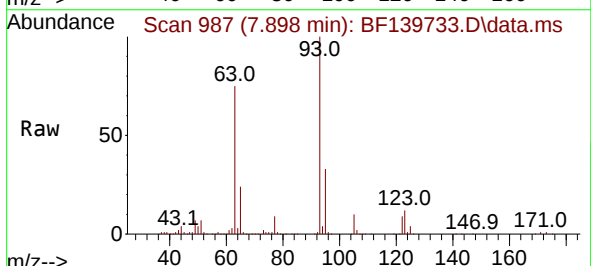
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILMS

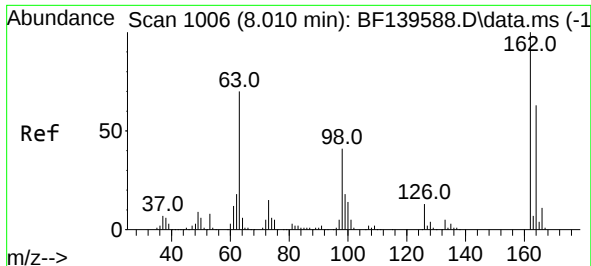
Tgt Ion:122 Resp: 194203
Ion Ratio Lower Upper
122 100
107 116.2 95.4 143.0
121 58.7 47.4 71.2



#28
bis(2-Chloroethoxy)methane
Concen: 46.406 ng
RT: 7.898 min Scan# 987
Delta R.T. -0.006 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

Tgt Ion: 93 Resp: 301508
Ion Ratio Lower Upper
93 100
95 33.2 26.5 39.7
123 11.5 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 47.172 ng

RT: 8.010 min Scan# 1006

Delta R.T. -0.000 min

Lab File: BF139733.D

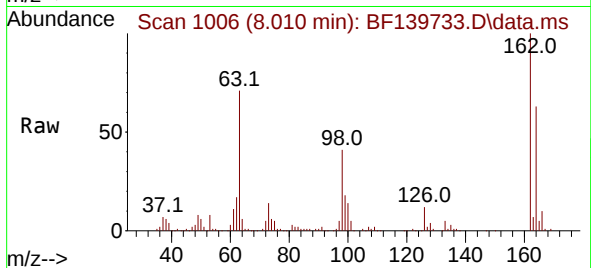
Acq: 09 Oct 2024 20:23

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOILMS



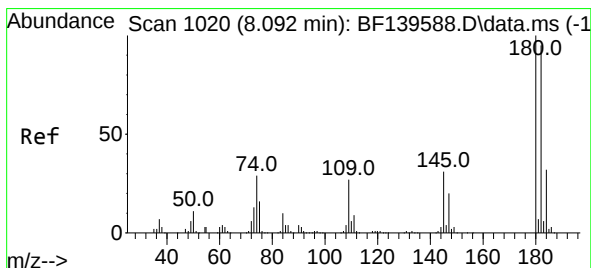
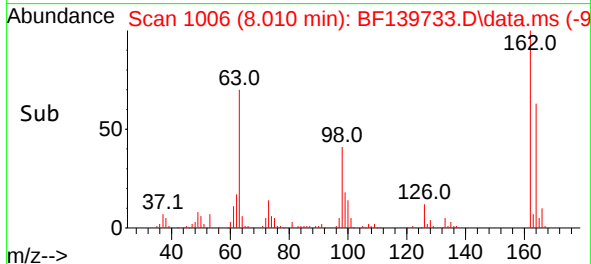
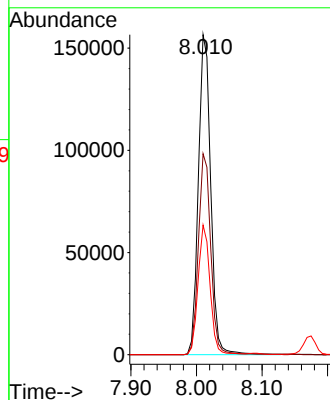
Tgt Ion:162 Resp: 205406

Ion Ratio Lower Upper

162 100

164 62.8 43.1 83.1

98 40.5 20.8 60.8



#30

1,2,4-Trichlorobenzene

Concen: 44.590 ng

RT: 8.092 min Scan# 1020

Delta R.T. -0.000 min

Lab File: BF139733.D

Acq: 09 Oct 2024 20:23

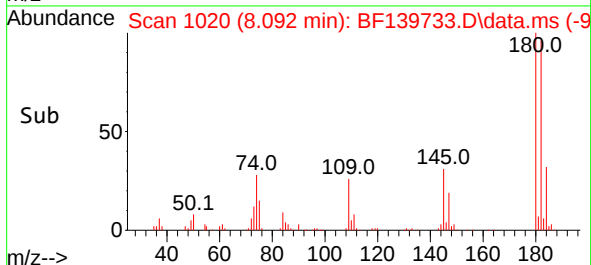
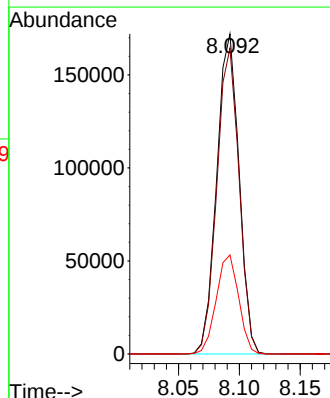
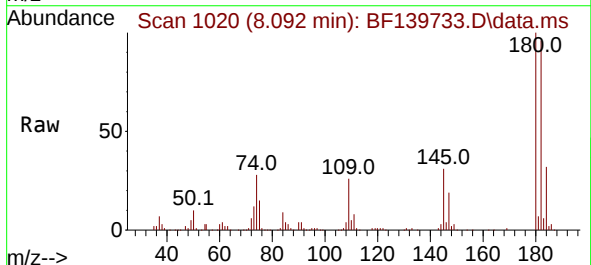
Tgt Ion:180 Resp: 219583

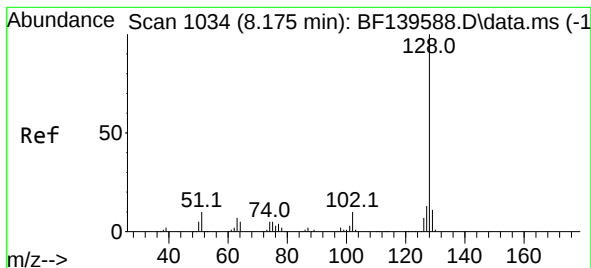
Ion Ratio Lower Upper

180 100

182 95.6 76.0 114.0

145 30.9 25.0 37.6





#31

Naphthalene

Concen: 46.287 ng

RT: 8.175 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139733.D

Acq: 09 Oct 2024 20:23

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOILMS

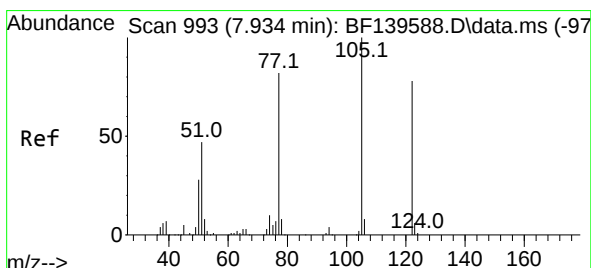
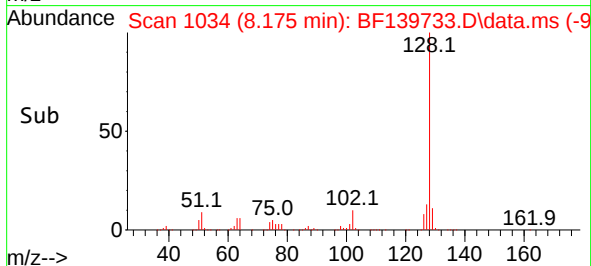
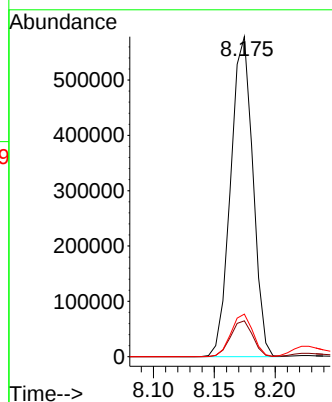
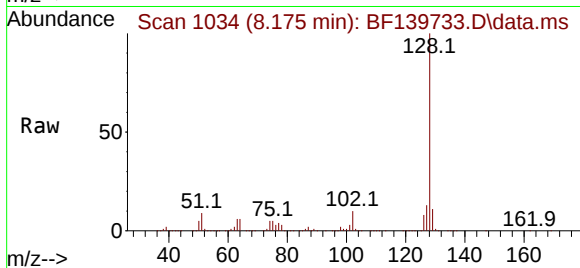
Tgt Ion:128 Resp: 734016

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

127 13.3 10.5 15.7



#32

Benzoic acid

Concen: 35.709 ng

RT: 7.928 min Scan# 992

Delta R.T. -0.006 min

Lab File: BF139733.D

Acq: 09 Oct 2024 20:23

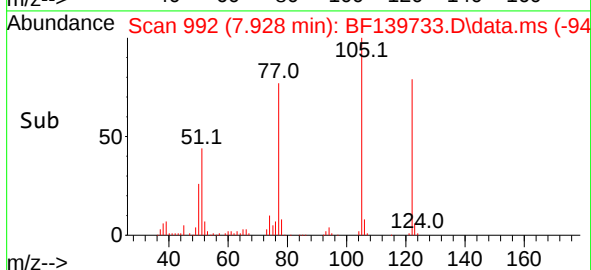
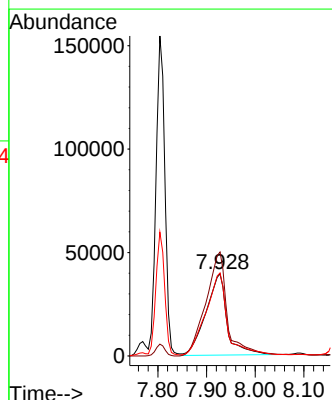
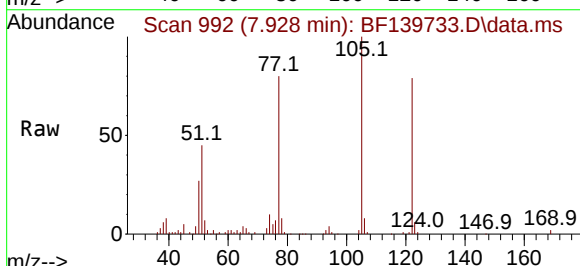
Tgt Ion:122 Resp: 118538

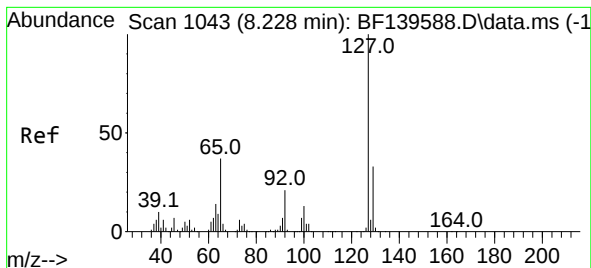
Ion Ratio Lower Upper

122 100

105 126.8 104.9 144.9

77 101.3 82.7 122.7





#33

4-Chloroaniline

Concen: 7.978 ng

RT: 8.228 min Scan# 1043

Delta R.T. -0.000 min

Lab File: BF139733.D

Acq: 09 Oct 2024 20:23

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOILMS

Tgt Ion:127 Resp: 42827

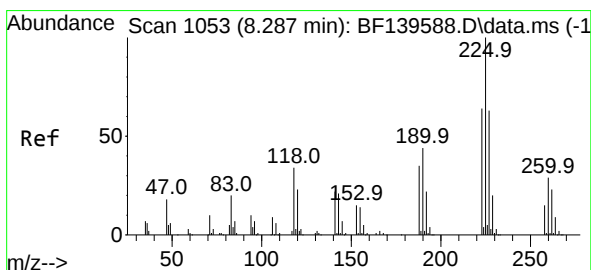
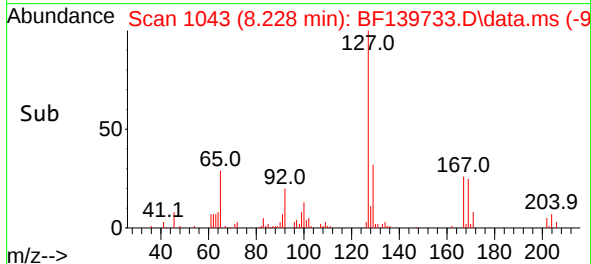
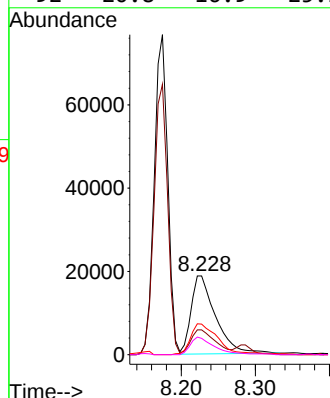
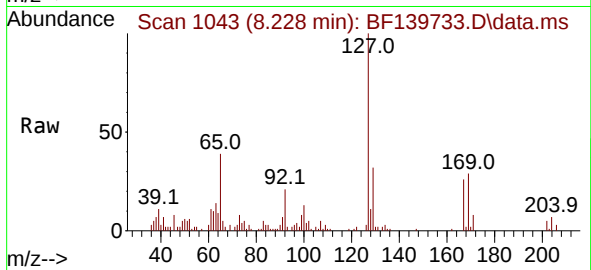
Ion Ratio Lower Upper

127 100

129 31.5 26.2 39.4

65 38.8 29.3 43.9

92 20.8 16.9 25.3



#34

Hexachlorobutadiene

Concen: 44.760 ng

RT: 8.286 min Scan# 1053

Delta R.T. -0.000 min

Lab File: BF139733.D

Acq: 09 Oct 2024 20:23

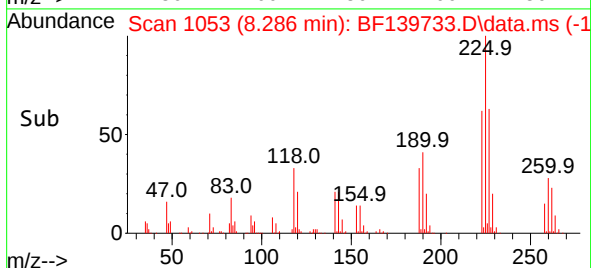
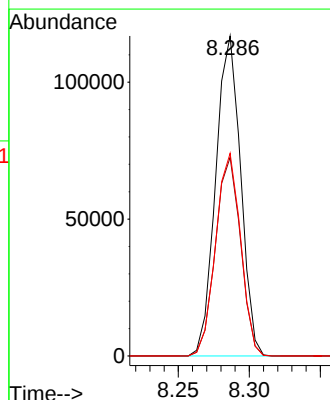
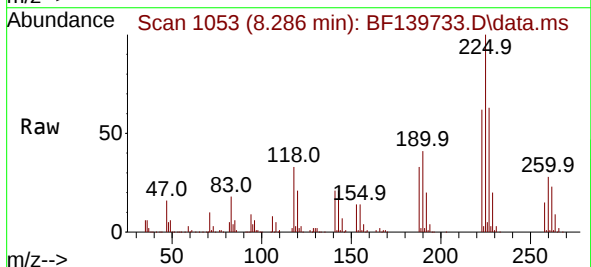
Tgt Ion:225 Resp: 142640

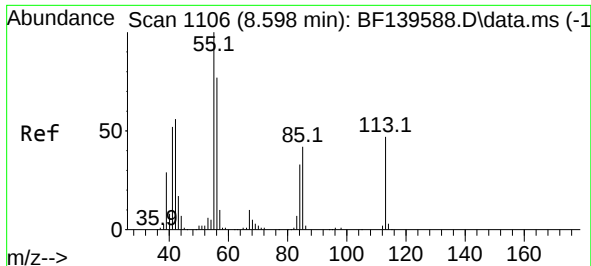
Ion Ratio Lower Upper

225 100

223 62.0 50.9 76.3

227 63.4 50.7 76.1

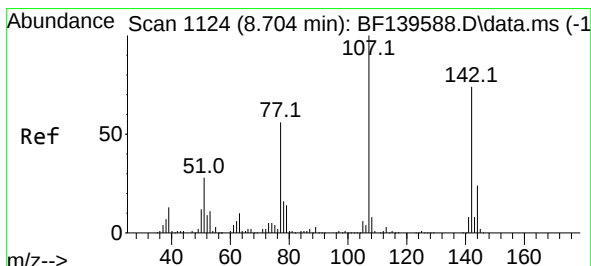
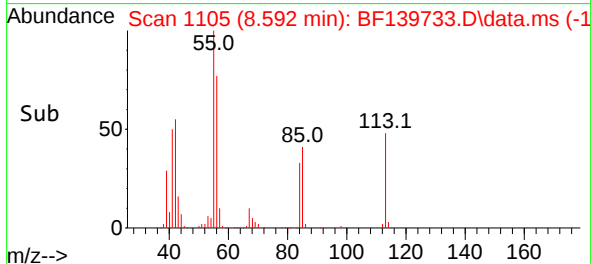
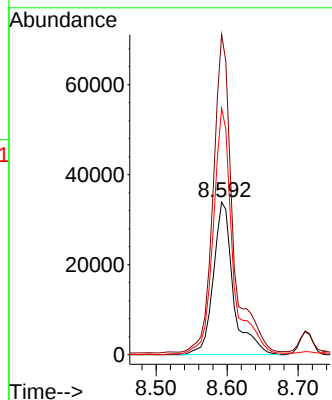
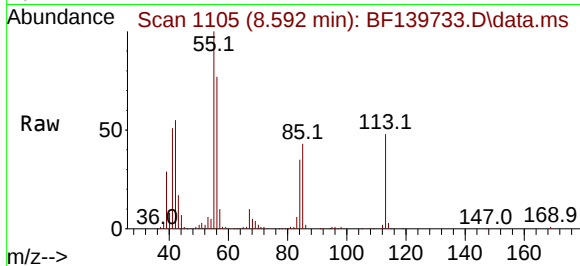




#35
Caprolactam
Concen: 46.329 ng
RT: 8.592 min Scan# 1106
Delta R.T. -0.006 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

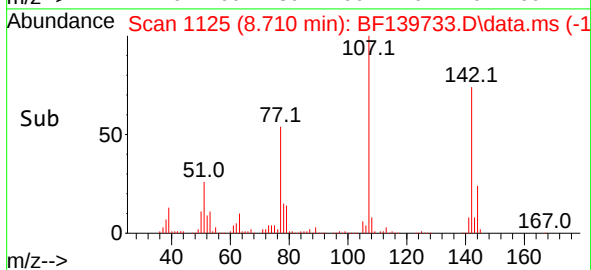
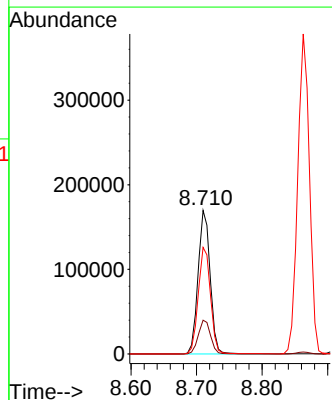
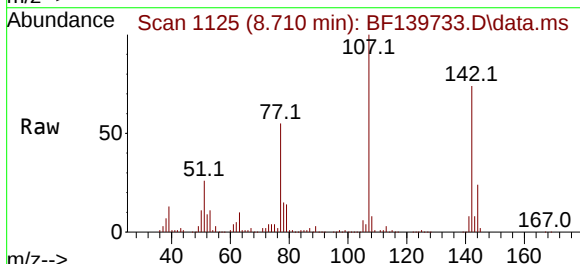
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILMS

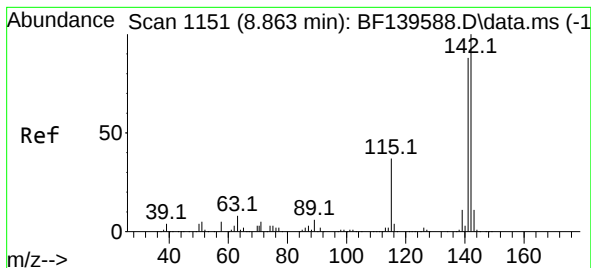
Tgt Ion:113 Resp: 66168
Ion Ratio Lower Upper
113 100
55 209.8 193.4 233.4
56 161.6 143.8 183.8



#36
4-Chloro-3-methylphenol
Concen: 44.316 ng
RT: 8.710 min Scan# 1125
Delta R.T. 0.006 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

Tgt Ion:107 Resp: 218444
Ion Ratio Lower Upper
107 100
144 23.5 19.0 28.6
142 74.2 59.2 88.8

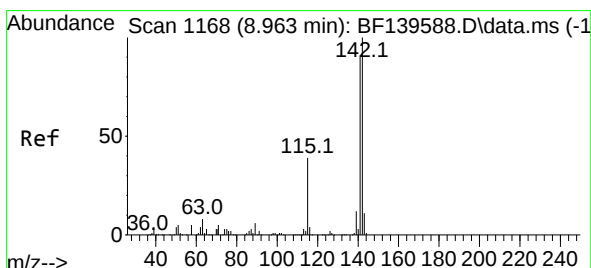
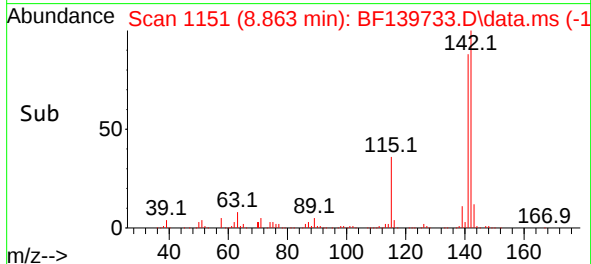
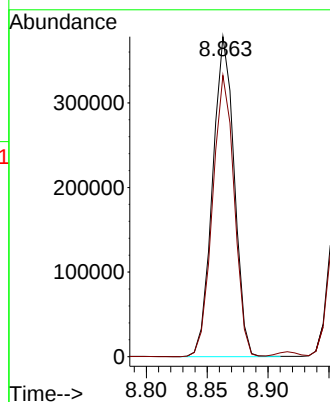
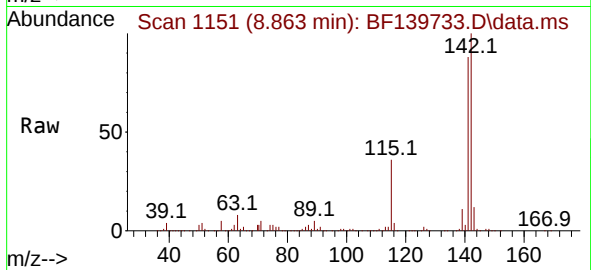




#37
2-Methylnaphthalene
Concen: 45.362 ng
RT: 8.863 min Scan# 1151
Delta R.T. -0.000 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

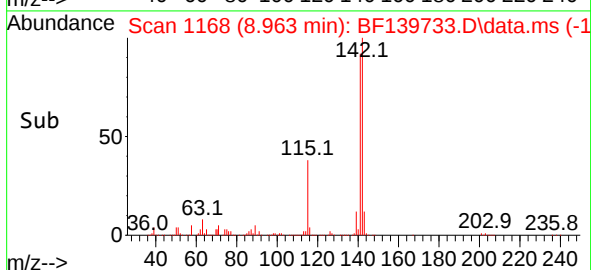
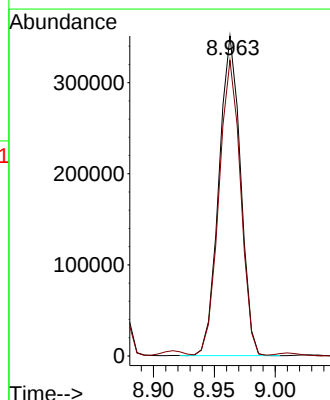
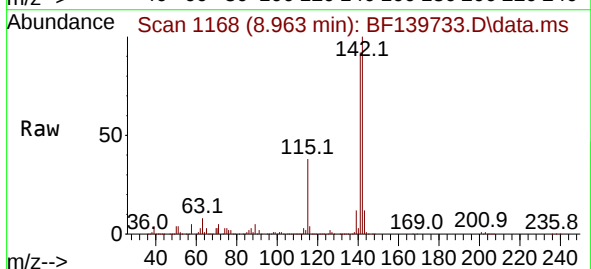
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILMS

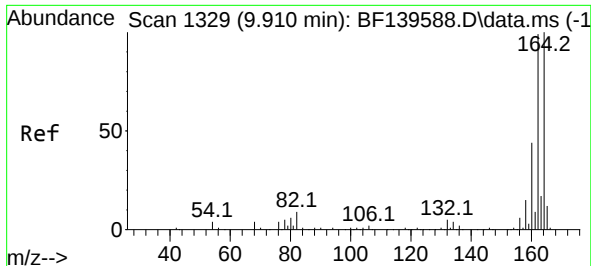
Tgt Ion:142 Resp: 468510
Ion Ratio Lower Upper
142 100
141 87.9 70.4 105.6



#38
1-Methylnaphthalene
Concen: 42.919 ng
RT: 8.963 min Scan# 1168
Delta R.T. -0.000 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

Tgt Ion:142 Resp: 433293
Ion Ratio Lower Upper
142 100
141 92.4 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: BF139733.D

Acq: 09 Oct 2024 20:23

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOILMS

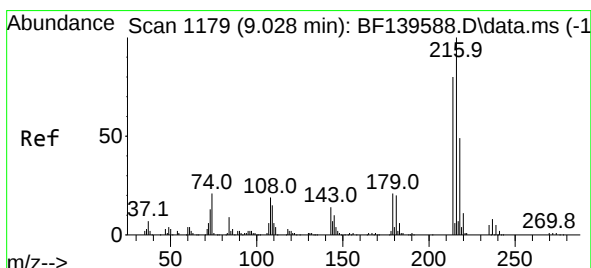
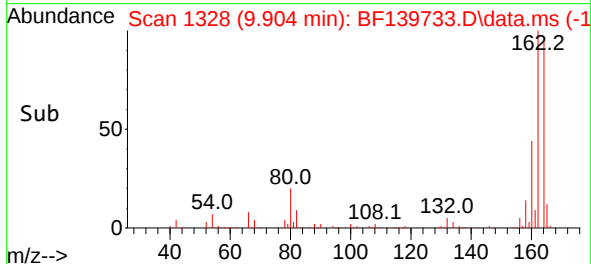
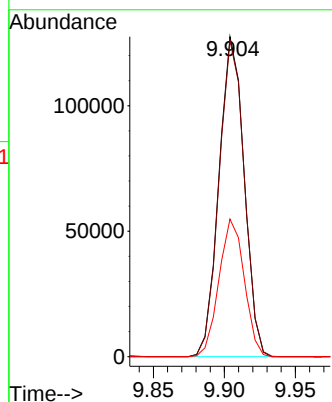
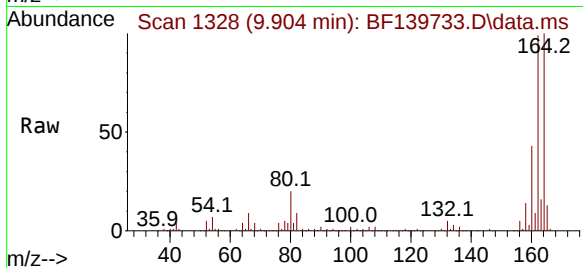
Tgt Ion:164 Resp: 157085

Ion Ratio Lower Upper

164 100

162 98.8 79.4 119.0

160 43.0 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 49.725 ng

RT: 9.028 min Scan# 1179

Delta R.T. -0.000 min

Lab File: BF139733.D

Acq: 09 Oct 2024 20:23

Tgt Ion:216 Resp: 216904

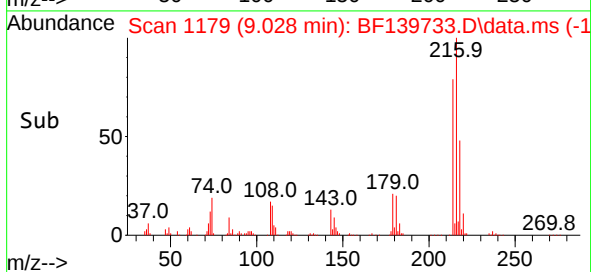
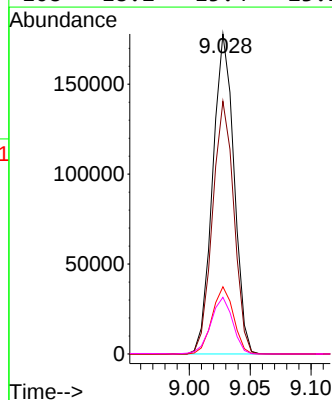
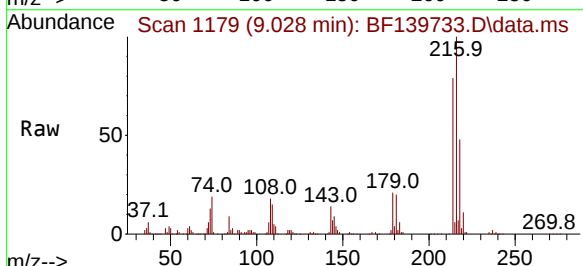
Ion Ratio Lower Upper

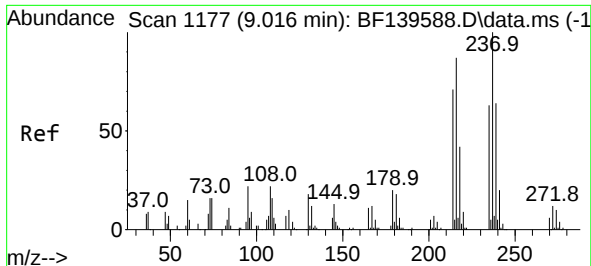
216 100

214 79.0 63.7 95.5

179 20.9 16.9 25.3

108 18.2 15.4 23.2

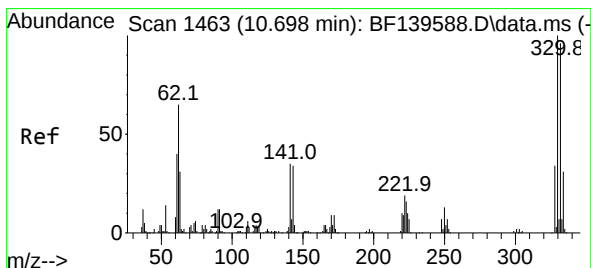
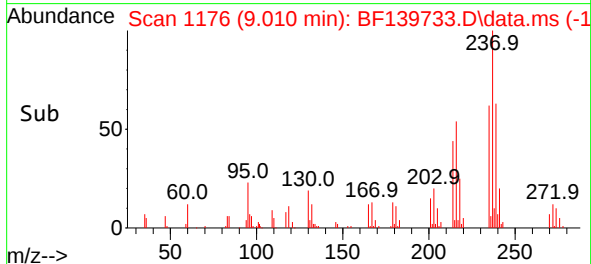
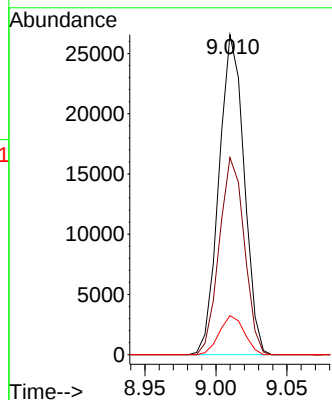
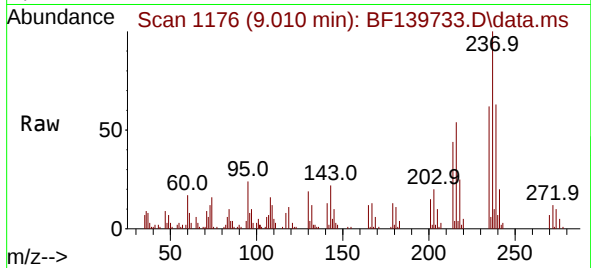




#41
Hexachlorocyclopentadiene
Concen: 24.448 ng
RT: 9.010 min Scan# 1177
Delta R.T. -0.006 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

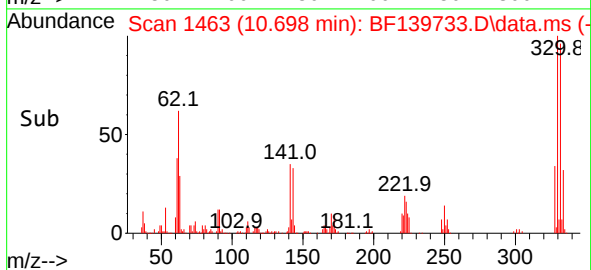
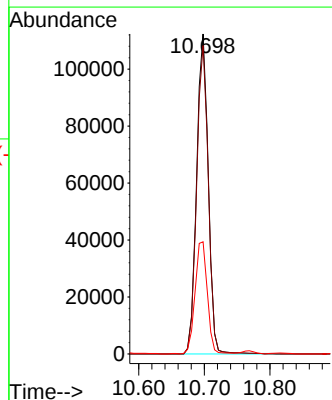
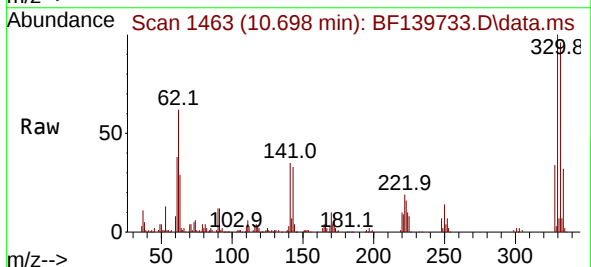
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILMS

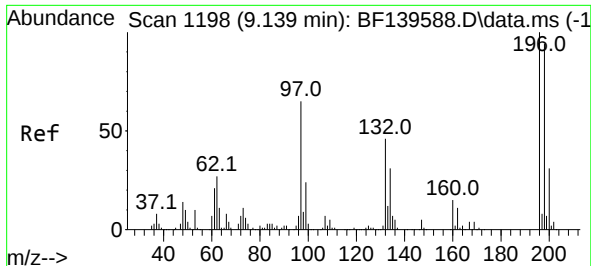
Tgt Ion:237 Resp: 32699
Ion Ratio Lower Upper
237 100
235 61.6 42.5 82.5
272 12.2 0.0 32.1



#42
2,4,6-Tribromophenol
Concen: 91.825 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

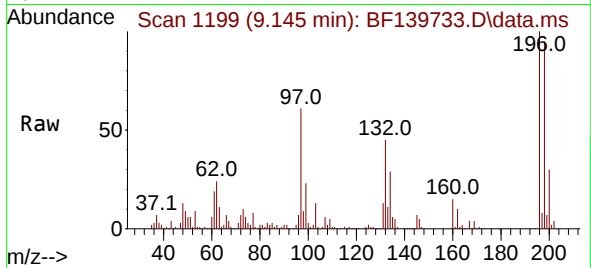
Tgt Ion:330 Resp: 139244
Ion Ratio Lower Upper
330 100
332 96.4 76.5 114.7
141 37.1 29.3 43.9



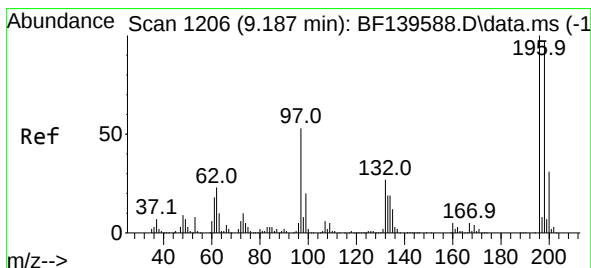
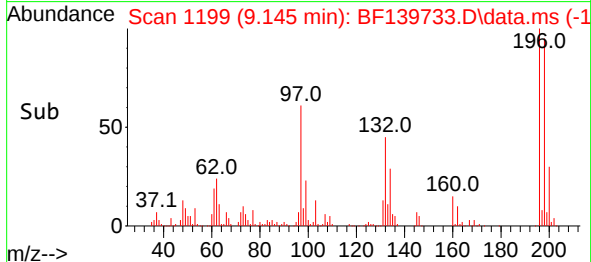
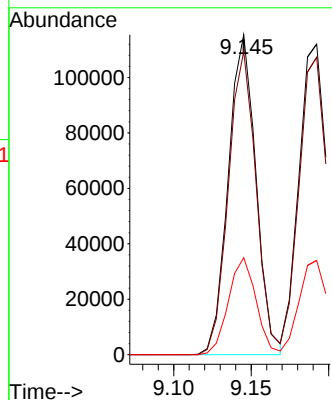


#43
2,4,6-Trichlorophenol
Concen: 48.785 ng
RT: 9.145 min Scan# 1198
Delta R.T. 0.006 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILMS

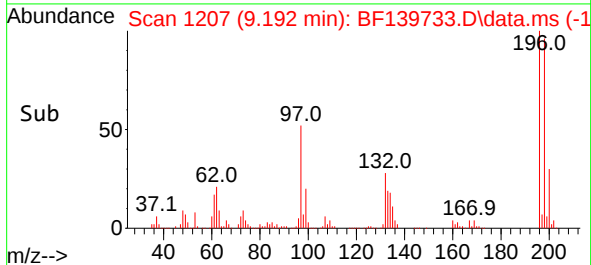
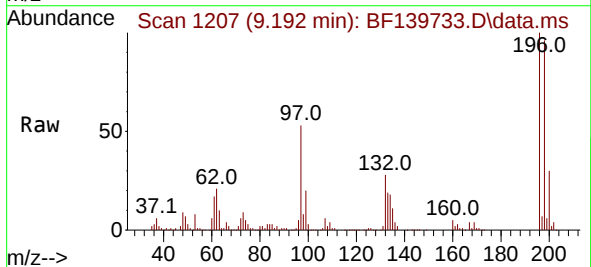
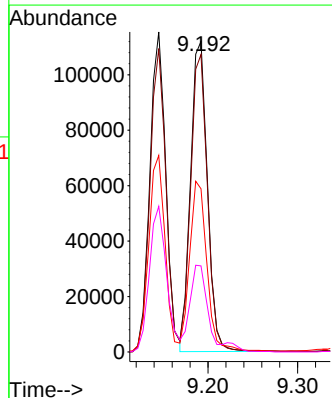


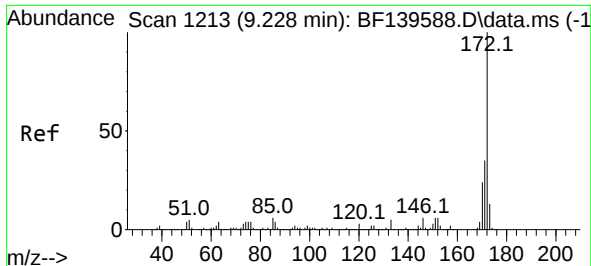
Tgt Ion:196 Resp: 143455
Ion Ratio Lower Upper
196 100
198 94.8 75.2 112.8
200 30.3 24.6 37.0



#44
2,4,5-Trichlorophenol
Concen: 46.073 ng
RT: 9.192 min Scan# 1207
Delta R.T. 0.006 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

Tgt Ion:196 Resp: 146104
Ion Ratio Lower Upper
196 100
198 95.7 77.5 116.3
97 52.6 43.1 64.7
132 27.7 22.2 33.4

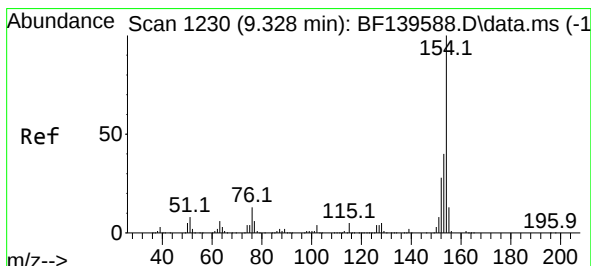
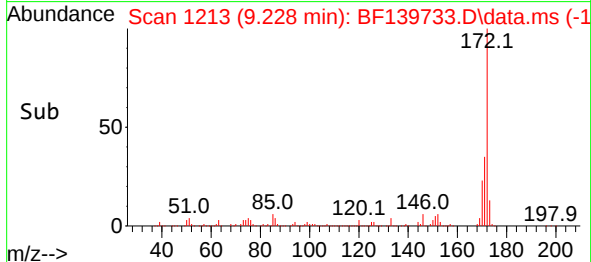
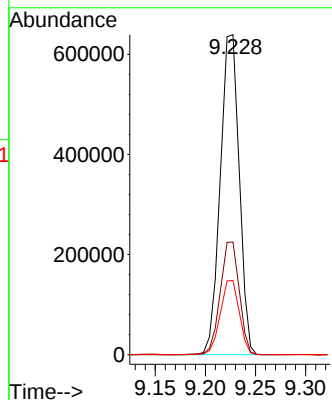
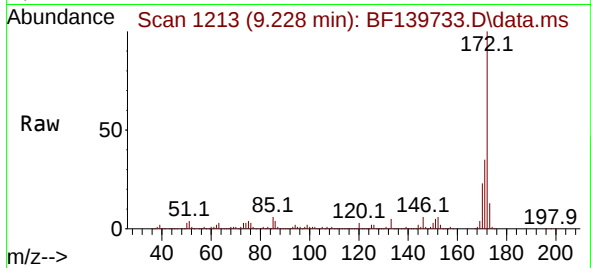




#45
2-Fluorobiphenyl
Concen: 82.129 ng
RT: 9.228 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

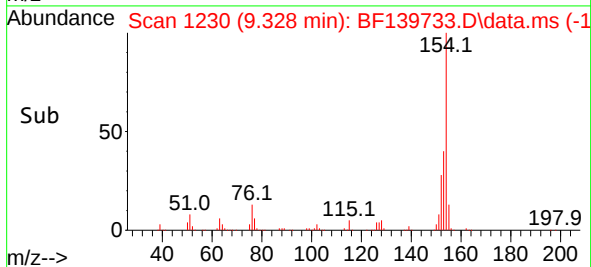
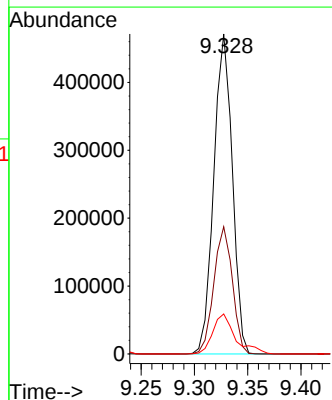
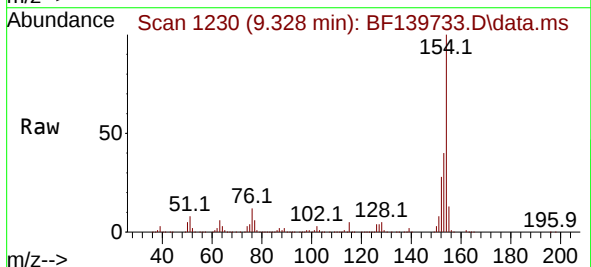
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILMS

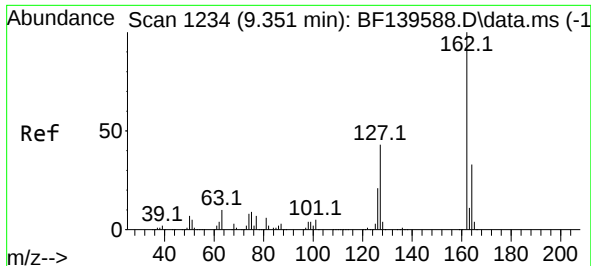
Tgt Ion:172 Resp: 840375
Ion Ratio Lower Upper
172 100
171 35.2 28.2 42.4
170 23.2 18.8 28.2



#46
1,1'-Biphenyl
Concen: 48.644 ng
RT: 9.328 min Scan# 1230
Delta R.T. -0.000 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

Tgt Ion:154 Resp: 568329
Ion Ratio Lower Upper
154 100
153 39.8 20.1 60.1
76 12.5 0.0 32.6





#47

2-Chloronaphthalene

Concen: 47.226 ng

RT: 9.351 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF139733.D

Acq: 09 Oct 2024 20:23

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOILMS

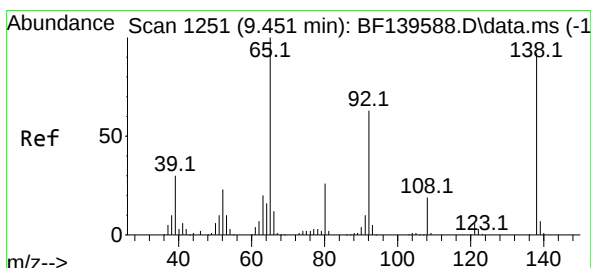
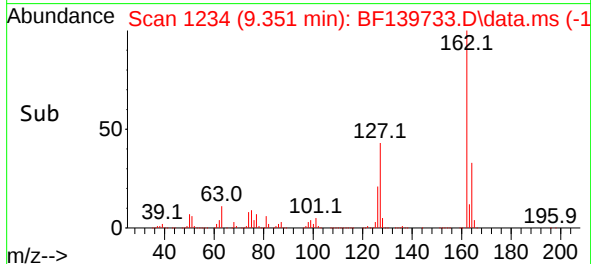
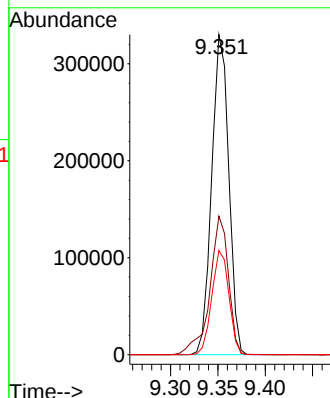
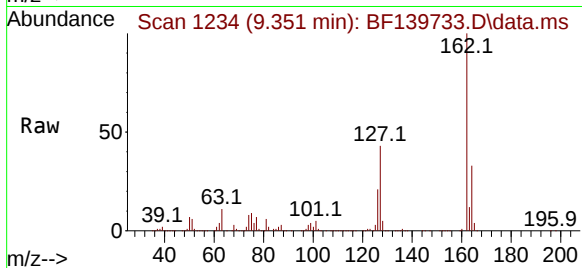
Tgt Ion:162 Resp: 413641

Ion Ratio Lower Upper

162 100

127 43.3 35.0 52.4

164 32.5 26.1 39.1



#48

2-Nitroaniline

Concen: 48.197 ng

RT: 9.451 min Scan# 1251

Delta R.T. -0.000 min

Lab File: BF139733.D

Acq: 09 Oct 2024 20:23

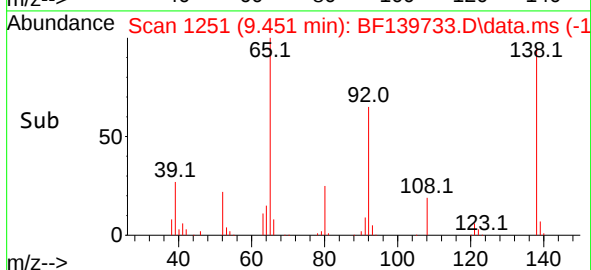
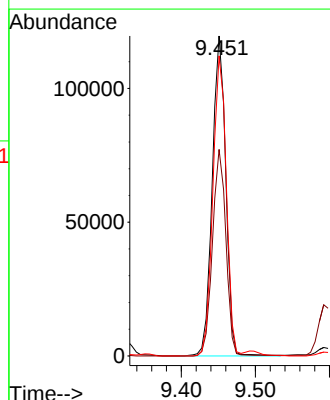
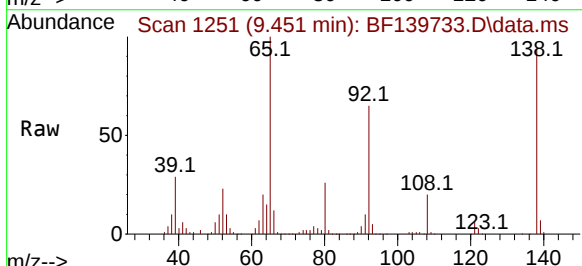
Tgt Ion: 65 Resp: 151539

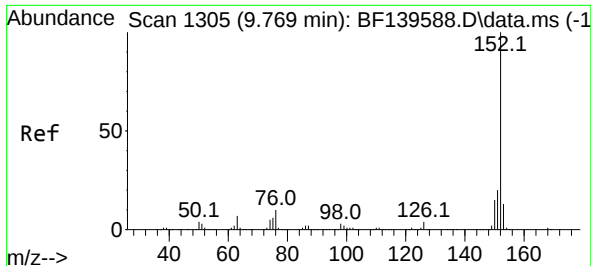
Ion Ratio Lower Upper

65 100

92 64.5 50.0 75.0

138 93.8 73.8 110.8





#49

Acenaphthylene

Concen: 50.180 ng

RT: 9.769 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF139733.D

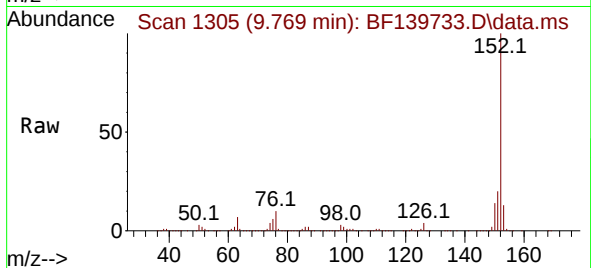
Acq: 09 Oct 2024 20:23

Instrument :

BNA_F

ClientSampleId :

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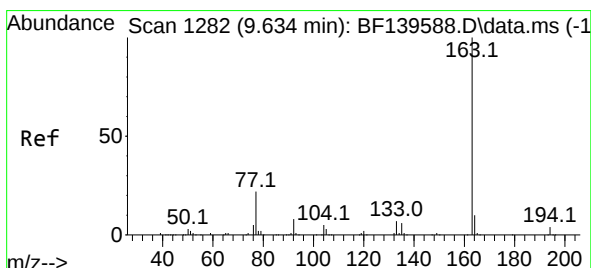
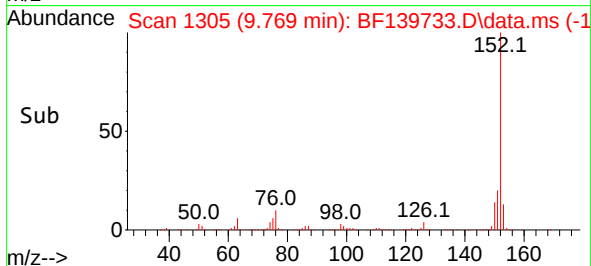
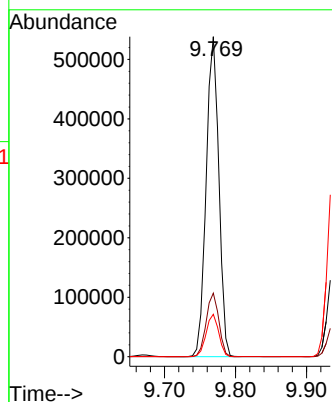
Tgt Ion:152 Resp: 668406

Ion Ratio Lower Upper

152 100

151 19.9 16.0 24.0

153 13.2 10.5 15.7



#50

Dimethylphthalate

Concen: 49.194 ng

RT: 9.627 min Scan# 1281

Delta R.T. -0.006 min

Lab File: BF139733.D

Acq: 09 Oct 2024 20:23

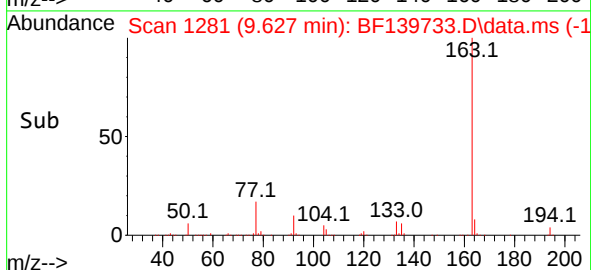
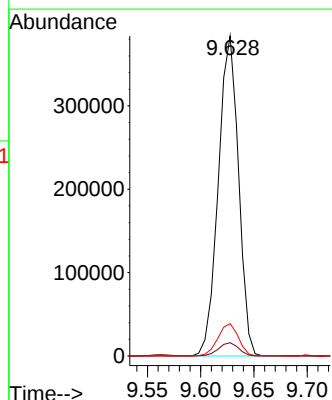
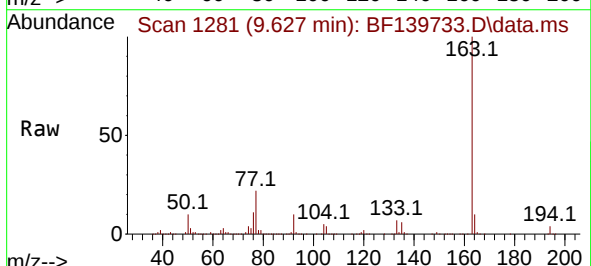
Tgt Ion:163 Resp: 505860

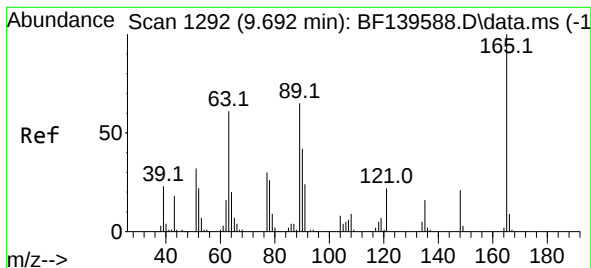
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

164 10.1 8.1 12.1

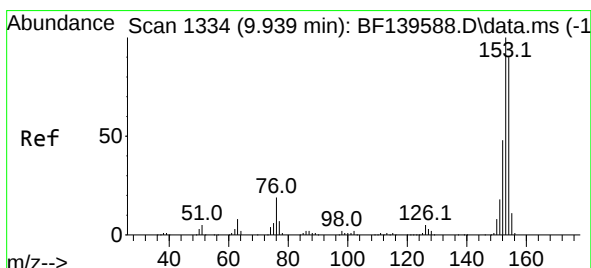
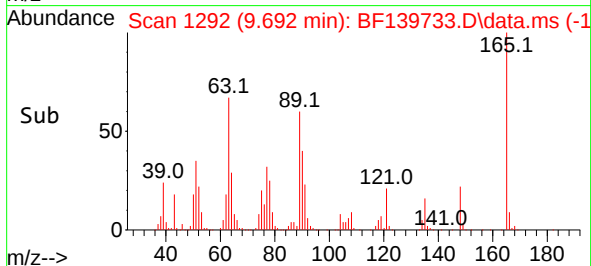
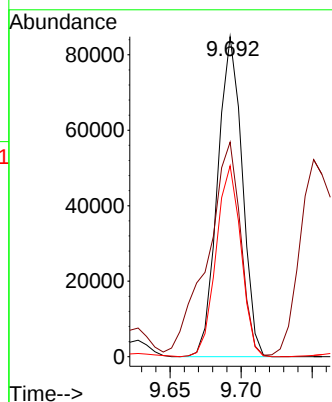
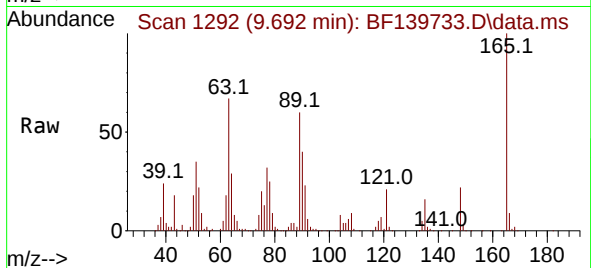




#51
2,6-Dinitrotoluene
Concen: 43.998 ng
RT: 9.692 min Scan# 1292
Delta R.T. 0.000 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

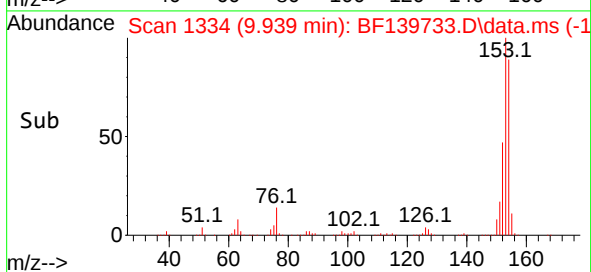
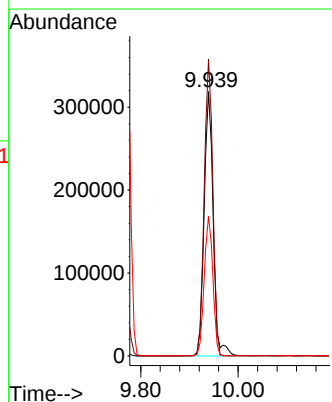
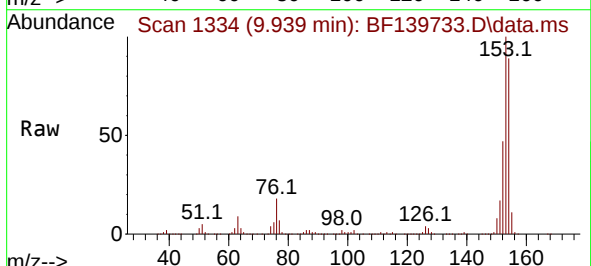
Instrument :
BNA_F
ClientSampleId :
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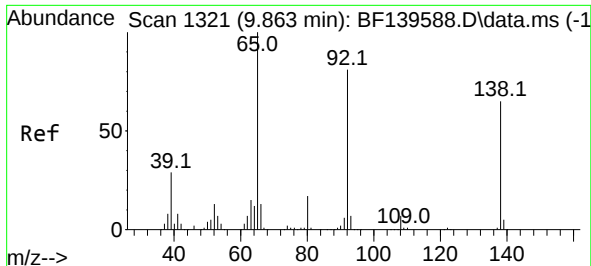
Tgt Ion:165 Resp: 102201
Ion Ratio Lower Upper
165 100
63 67.0 56.7 85.1
89 59.7 51.6 77.4



#52
Acenaphthene
Concen: 44.747 ng
RT: 9.939 min Scan# 1334
Delta R.T. -0.000 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

Tgt Ion:154 Resp: 409183
Ion Ratio Lower Upper
154 100
153 112.2 88.8 133.2
152 53.0 42.5 63.7

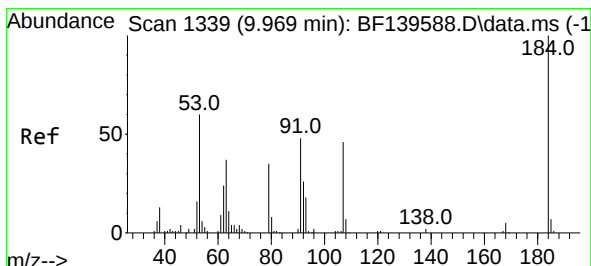
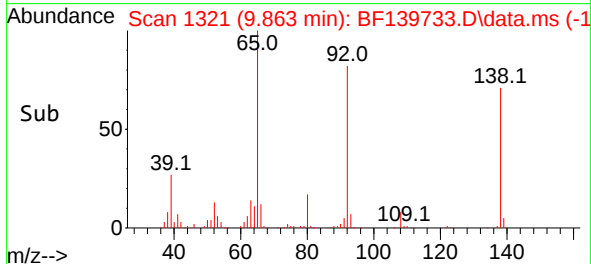
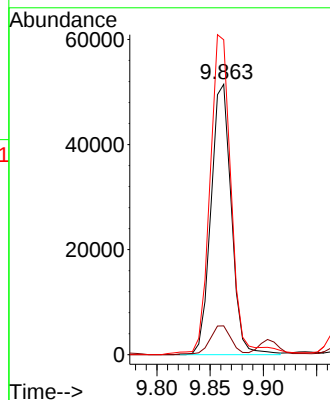
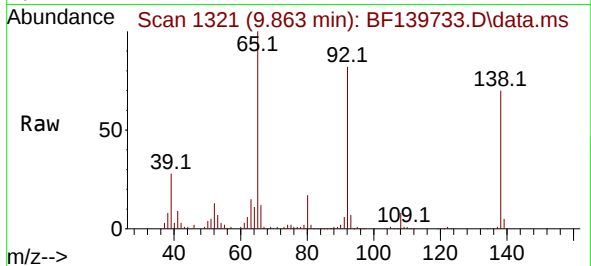




#53
3-Nitroaniline
Concen: 28.761 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.000 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

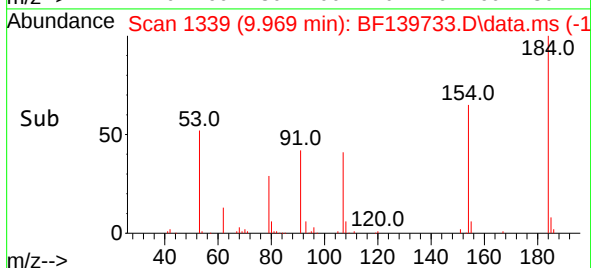
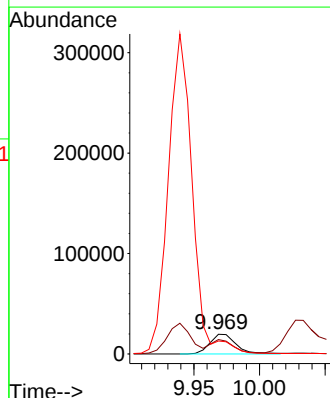
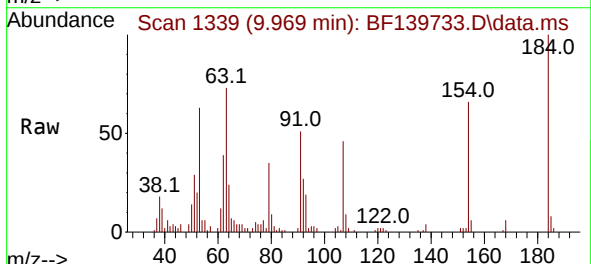
Instrument :
BNA_F
ClientSampleId :
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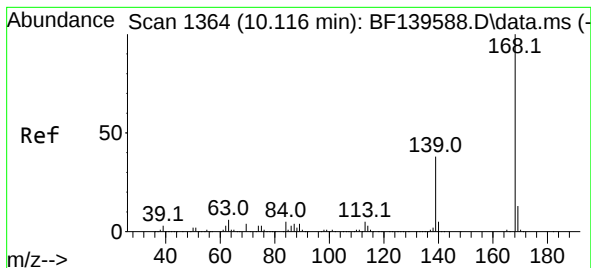
Tgt Ion:138 Resp: 68273
Ion Ratio Lower Upper
138 100
108 10.7 8.8 13.2
92 116.5 100.0 150.0



#54
2,4-Dinitrophenol
Concen: 21.969 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

Tgt Ion:184 Resp: 27448
Ion Ratio Lower Upper
184 100
63 73.5 61.7 92.5
154 65.8 53.0 79.4

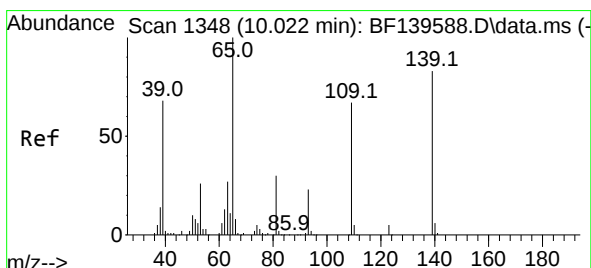
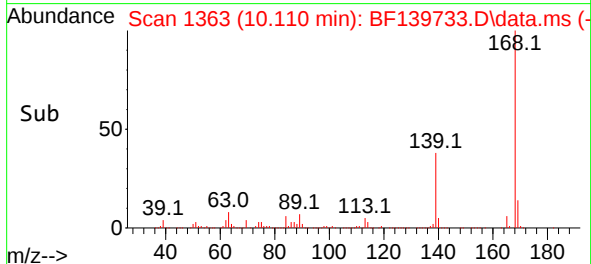
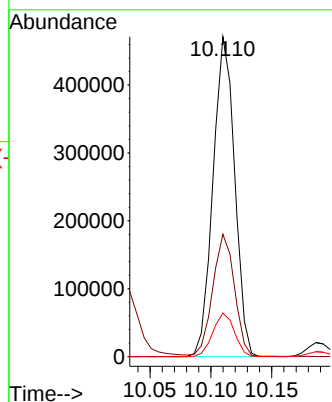
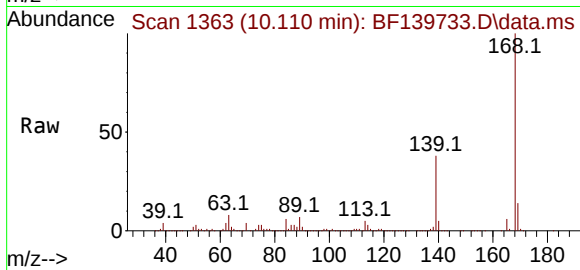




#55
Dibenzenofuran
Concen: 45.544 ng
RT: 10.110 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

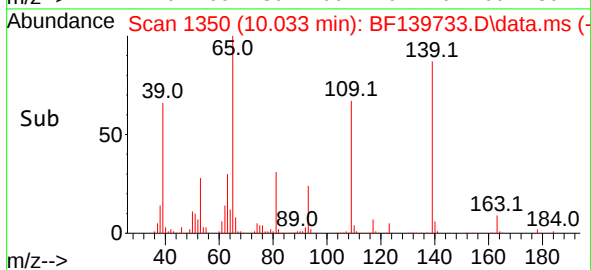
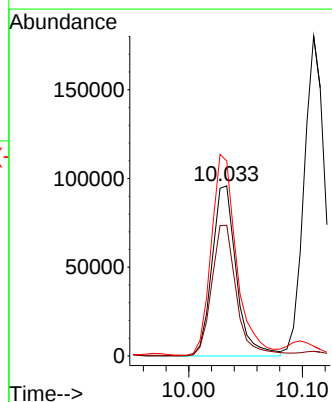
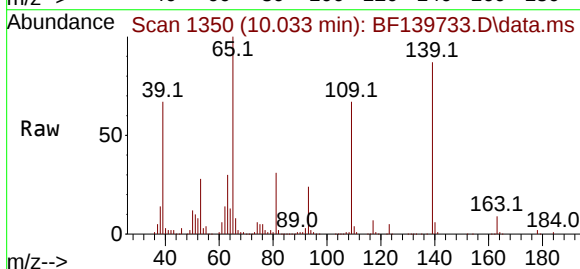
Instrument :
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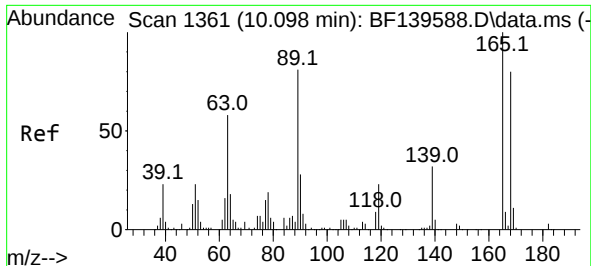
Tgt Ion:168 Resp: 583109
Ion Ratio Lower Upper
168 100
139 38.3 30.4 45.6
169 13.7 10.7 16.1



#56
4-Nitrophenol
Concen: 78.725 ng
RT: 10.033 min Scan# 1350
Delta R.T. 0.012 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

Tgt Ion:139 Resp: 142509
Ion Ratio Lower Upper
139 100
109 76.9 60.3 100.3
65 114.6 100.8 140.8

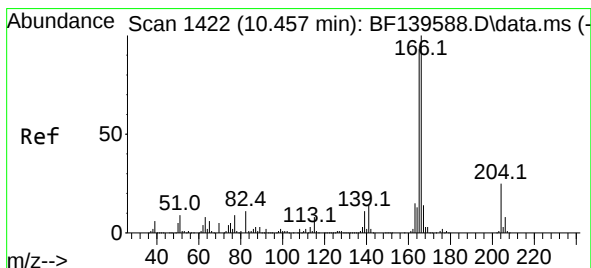
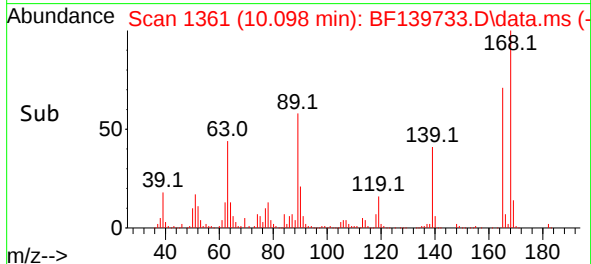
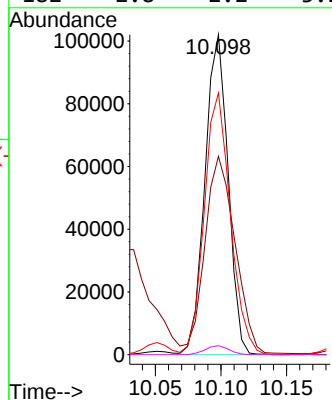
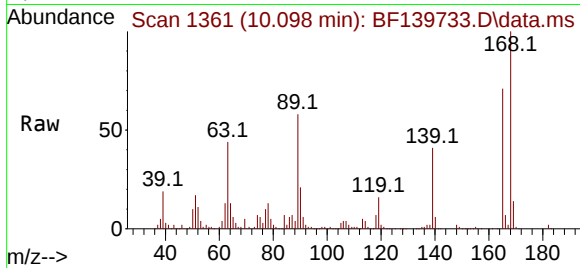




#57
2,4-Dinitrotoluene
Concen: 41.278 ng
RT: 10.098 min Scan# 1361
Delta R.T. -0.000 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

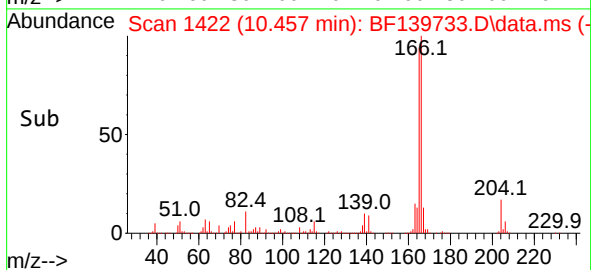
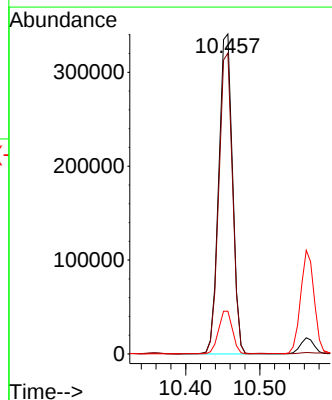
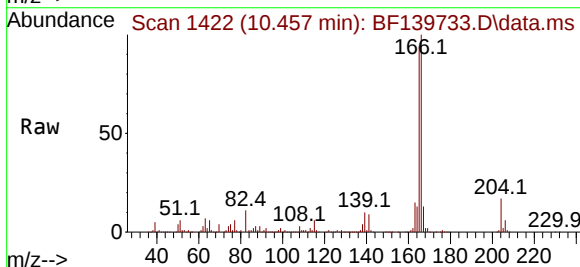
Instrument :
BNA_F
ClientSampleId :
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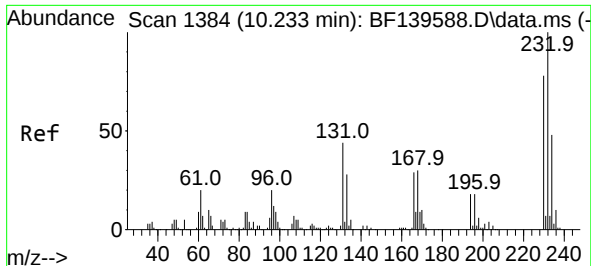
Tgt Ion:165 Resp: 125330
Ion Ratio Lower Upper
165 100
63 62.0 46.9 70.3
89 81.8 64.4 96.6
182 2.8 2.2 3.2



#58
Fluorene
Concen: 43.206 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

Tgt Ion:166 Resp: 440599
Ion Ratio Lower Upper
166 100
165 94.0 74.4 111.6
167 13.4 10.9 16.3

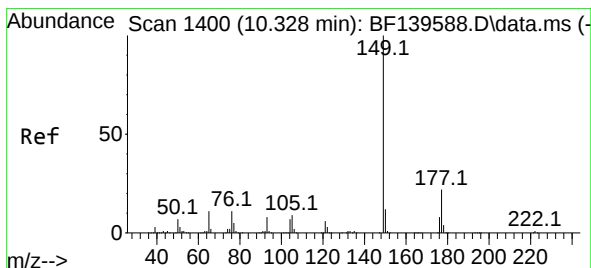
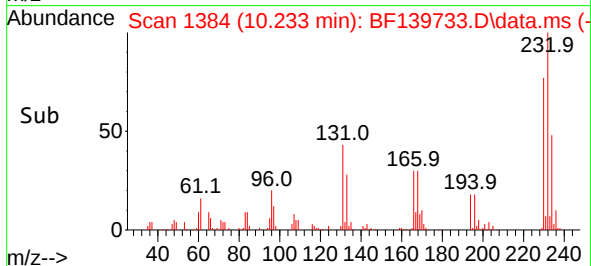
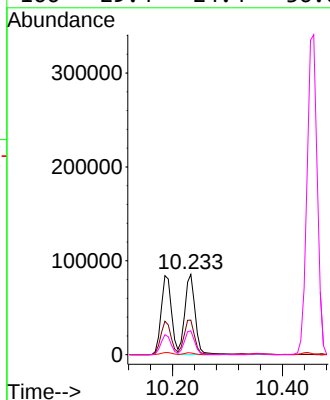
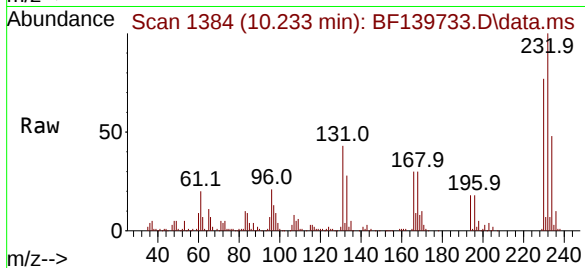




#59
2,3,4,6-Tetrachlorophenol
Concen: 43.405 ng
RT: 10.233 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

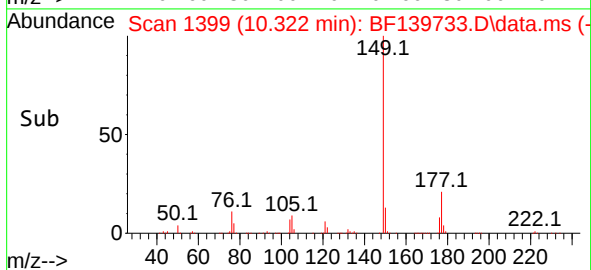
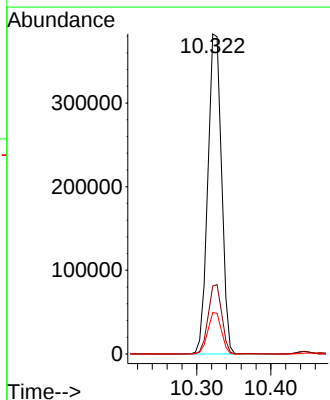
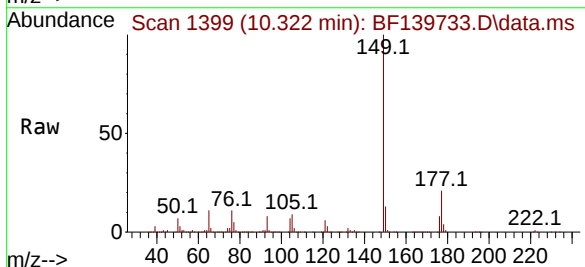
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILMS

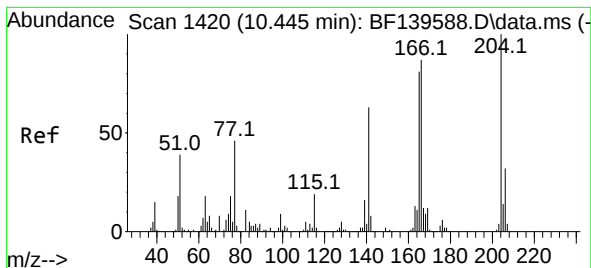
Tgt Ion:232 Resp: 111173
Ion Ratio Lower Upper
232 100
131 43.2 37.8 56.6
130 2.4 1.9 2.9
166 29.4 24.4 36.6



#60
Diethylphthalate
Concen: 46.274 ng
RT: 10.322 min Scan# 1399
Delta R.T. -0.006 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

Tgt Ion:149 Resp: 491486
Ion Ratio Lower Upper
149 100
177 21.3 17.4 26.0
150 13.0 10.0 15.0

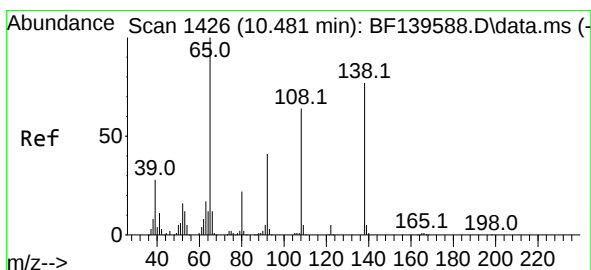
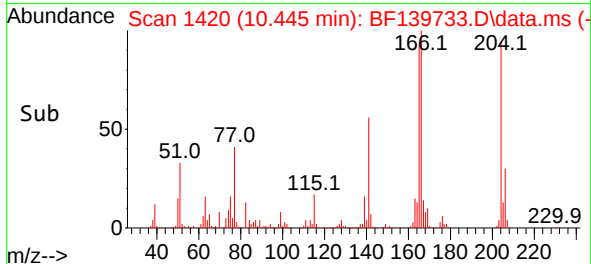
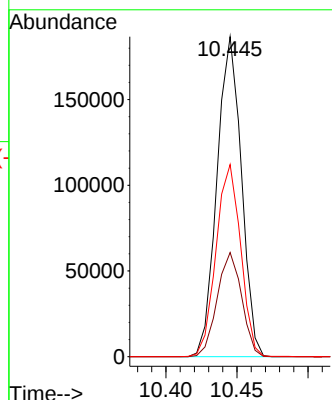
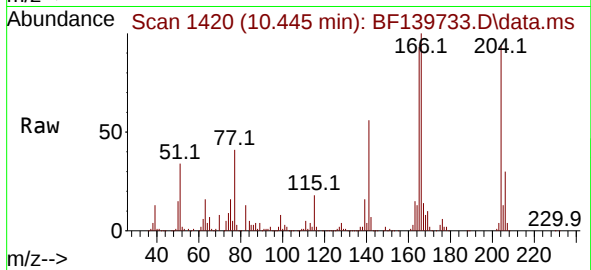




#61
4-Chlorophenyl-phenylether
Concen: 43.710 ng
RT: 10.445 min Scan# 1420
Delta R.T. -0.000 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

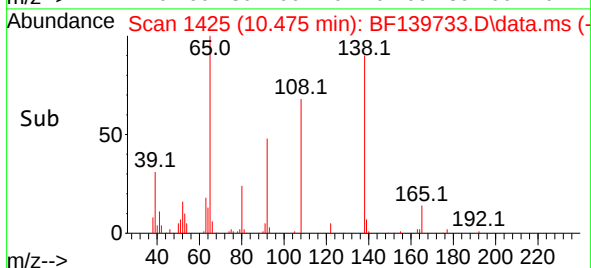
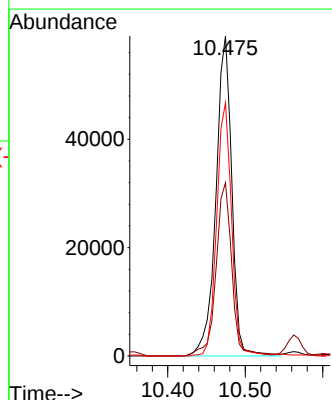
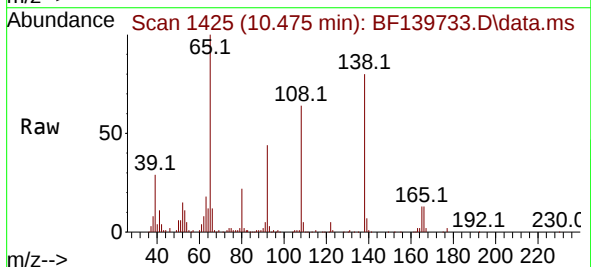
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILMS

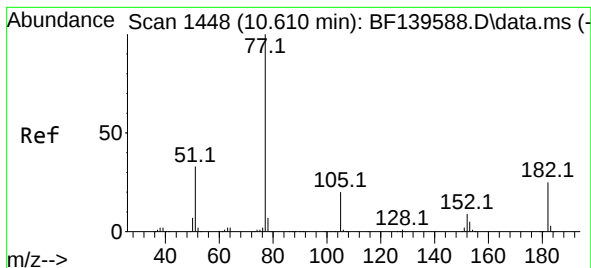
Tgt Ion:204 Resp: 222995
Ion Ratio Lower Upper
204 100
206 32.5 25.9 38.9
141 60.0 50.5 75.7



#62
4-Nitroaniline
Concen: 34.661 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

Tgt Ion:138 Resp: 84159
Ion Ratio Lower Upper
138 100
92 54.1 33.3 73.3
108 79.1 62.1 102.1





#63

Azobenzene

Concen: 52.849 ng

RT: 10.604 min Scan# 1447

Delta R.T. -0.006 min

Lab File: BF139733.D

Acq: 09 Oct 2024 20:23

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOILMS

Tgt Ion: 77 Resp: 564496

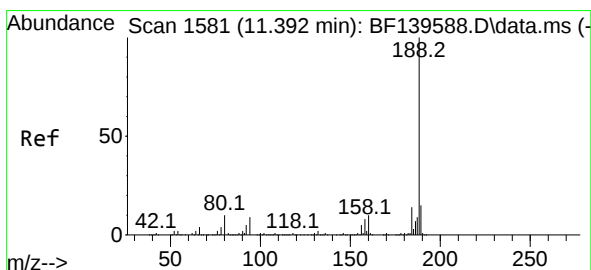
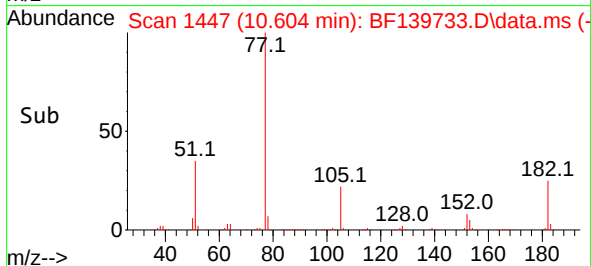
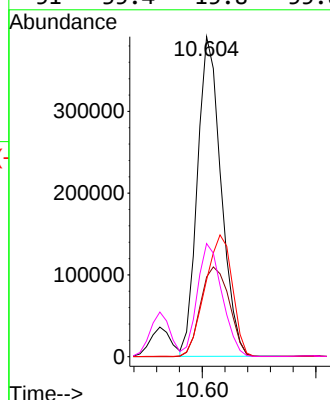
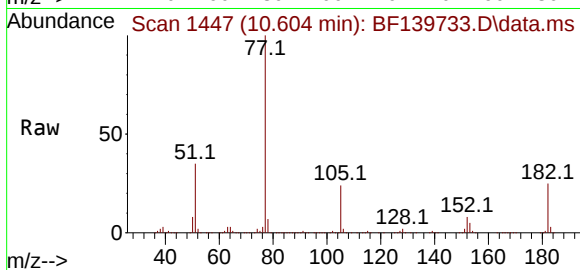
Ion Ratio Lower Upper

77 100

182 24.9 4.2 44.2

105 24.0 0.0 39.6

51 35.4 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: BF139733.D

Acq: 09 Oct 2024 20:23

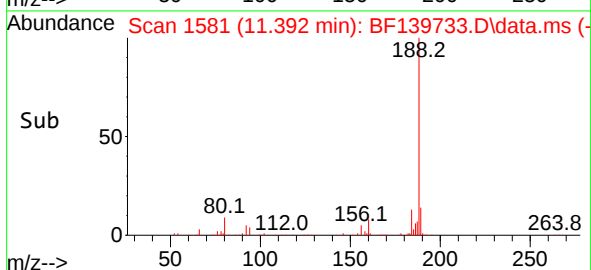
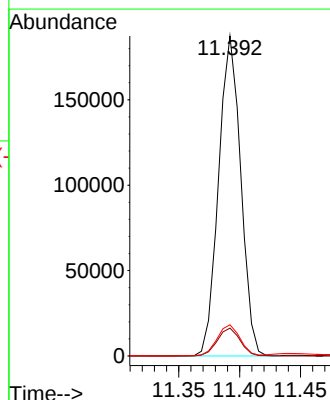
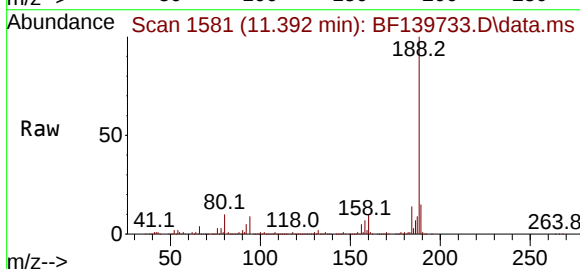
Tgt Ion: 188 Resp: 237797

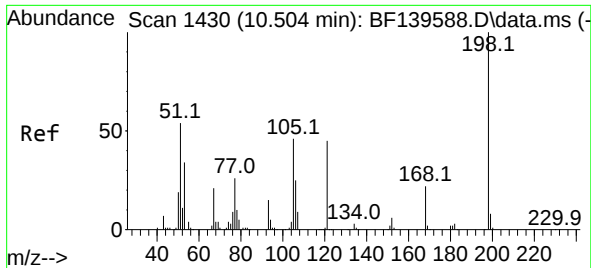
Ion Ratio Lower Upper

188 100

94 8.7 7.4 11.2

80 9.8 8.2 12.2

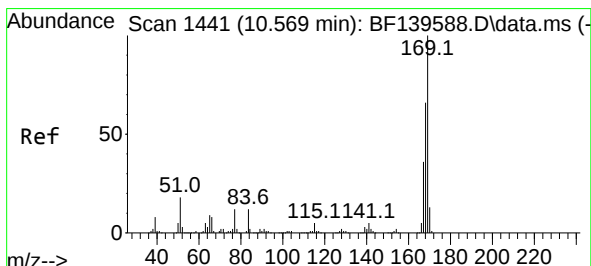
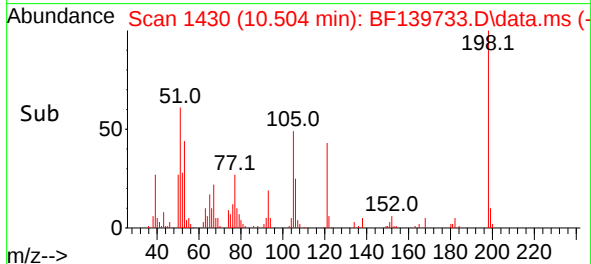
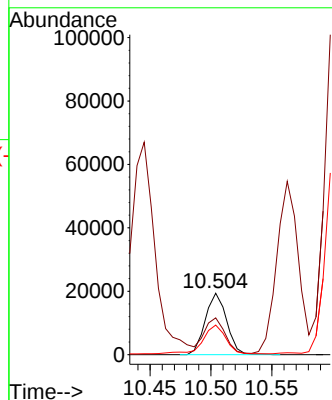
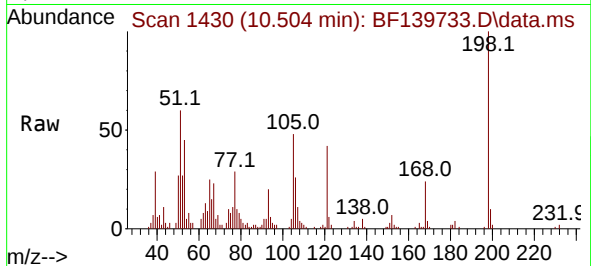




#65
4,6-Dinitro-2-methylphenol
Concen: 17.543 ng
RT: 10.504 min Scan# 1430
Delta R.T. -0.000 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

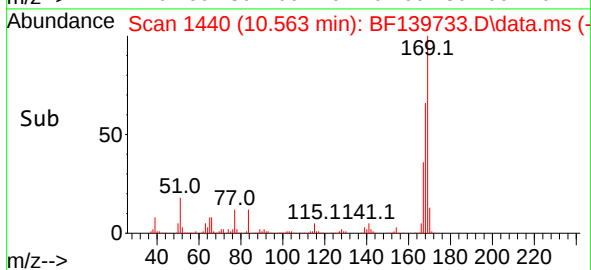
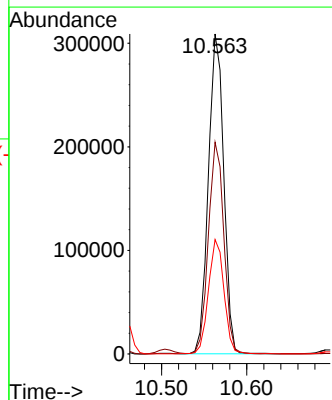
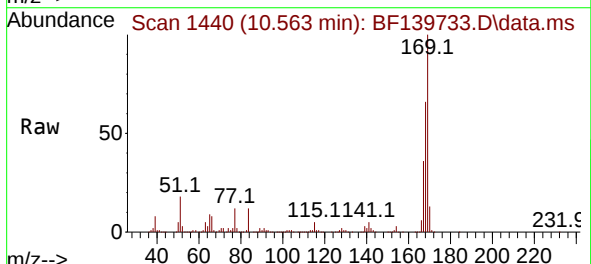
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILMS

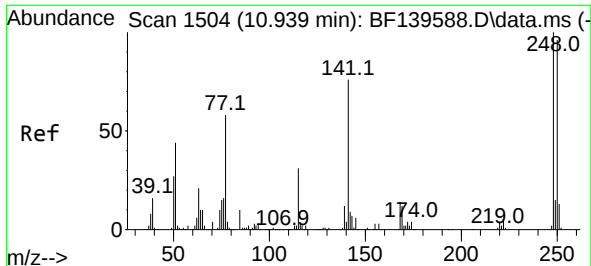
Tgt Ion:198 Resp: 23561
Ion Ratio Lower Upper
198 100
51 60.1 43.0 83.0
105 48.1 26.6 66.6



#66
n-Nitrosodiphenylamine
Concen: 55.104 ng
RT: 10.563 min Scan# 1440
Delta R.T. -0.006 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

Tgt Ion:169 Resp: 386247
Ion Ratio Lower Upper
169 100
168 66.2 53.2 79.8
167 35.7 28.6 43.0





#67

4-Bromophenyl-phenylether

Concen: 50.820 ng

RT: 10.933 min Scan# 1503

Delta R.T. -0.006 min

Lab File: BF139733.D

Acq: 09 Oct 2024 20:23

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOILMS

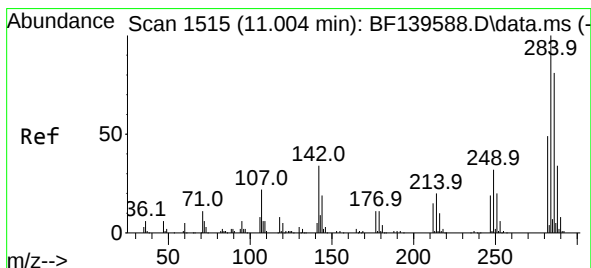
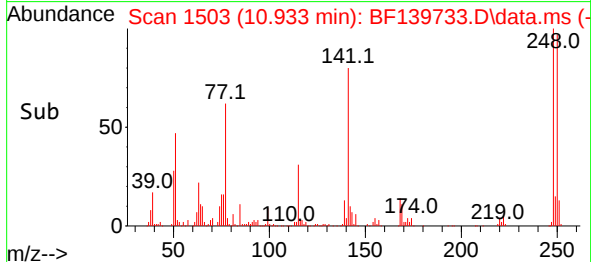
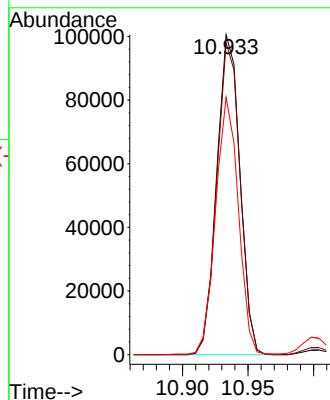
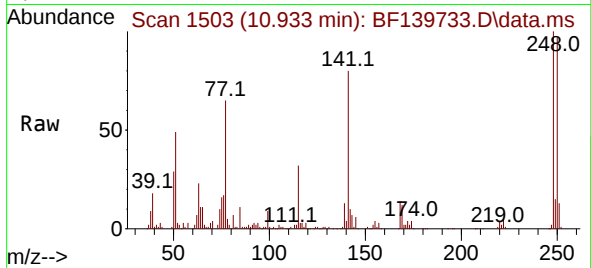
Tgt Ion:248 Resp: 123907

Ion Ratio Lower Upper

248 100

250 97.4 77.1 115.7

141 80.4 60.4 90.6



#68

Hexachlorobenzene

Concen: 47.205 ng

RT: 11.004 min Scan# 1515

Delta R.T. -0.000 min

Lab File: BF139733.D

Acq: 09 Oct 2024 20:23

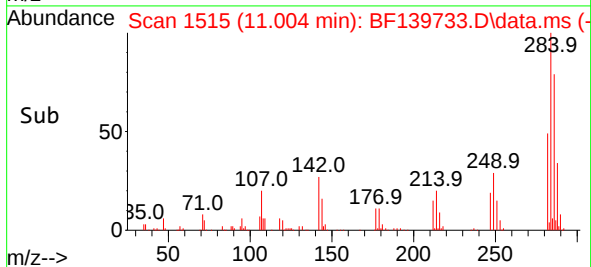
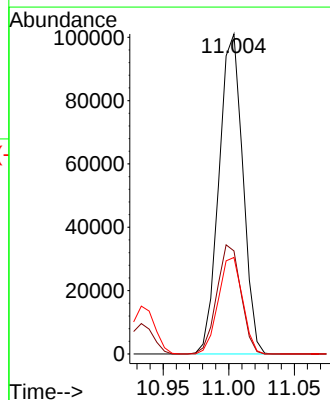
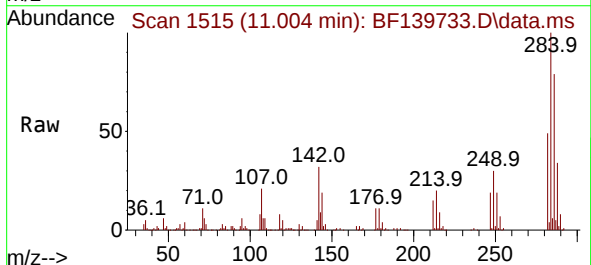
Tgt Ion:284 Resp: 127712

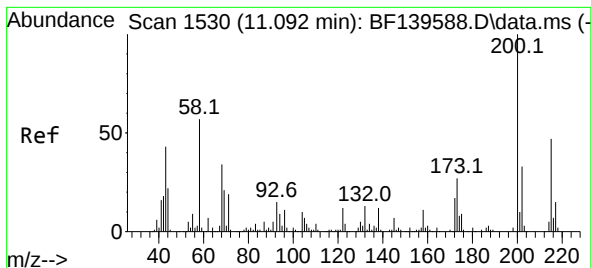
Ion Ratio Lower Upper

284 100

142 32.2 26.9 40.3

249 30.2 25.4 38.0





#69

Atrazine

Concen: 61.123 ng

RT: 11.092 min Scan# 1530

Delta R.T. 0.000 min

Lab File: BF139733.D

Acq: 09 Oct 2024 20:23

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOILMS

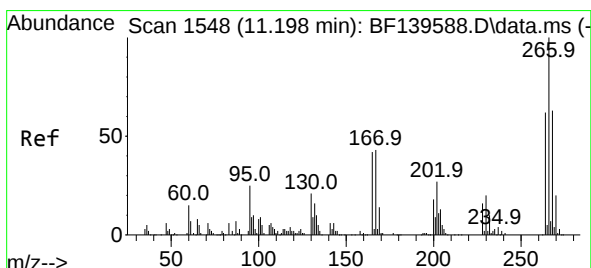
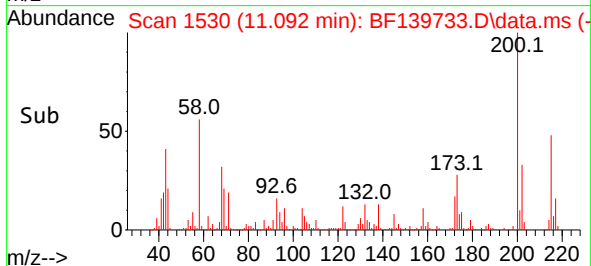
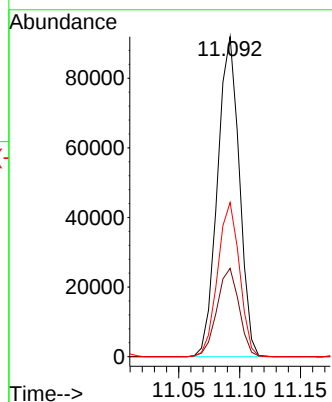
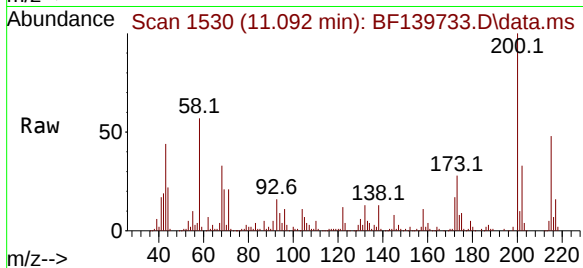
Tgt Ion:200 Resp: 114951

Ion Ratio Lower Upper

200 100

173 27.6 6.7 46.7

215 48.2 27.5 67.5



#70

Pentachlorophenol

Concen: 80.471 ng

RT: 11.198 min Scan# 1548

Delta R.T. -0.000 min

Lab File: BF139733.D

Acq: 09 Oct 2024 20:23

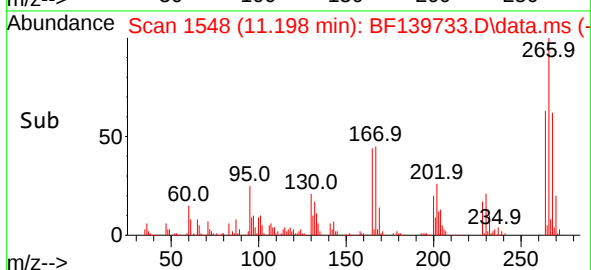
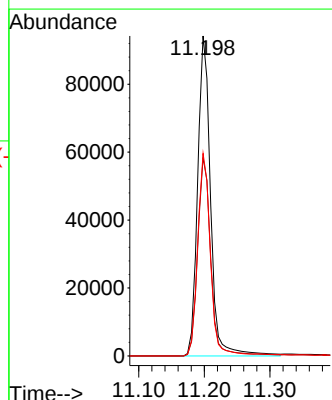
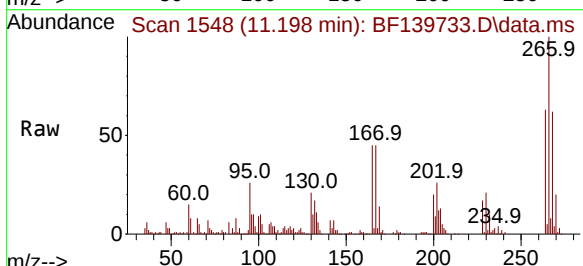
Tgt Ion:266 Resp: 129637

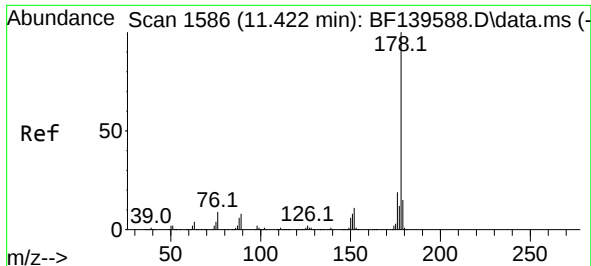
Ion Ratio Lower Upper

266 100

268 62.0 50.0 75.0

264 63.3 49.3 73.9

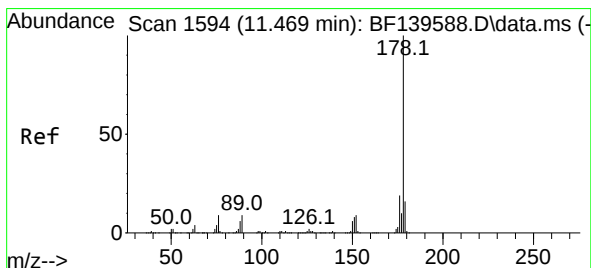
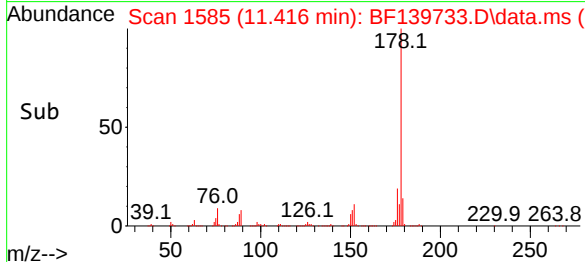
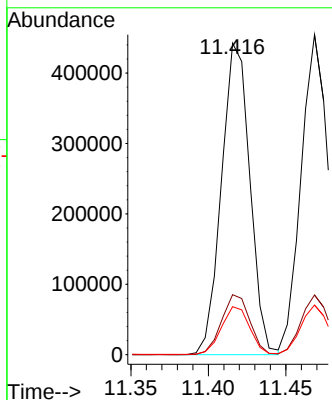
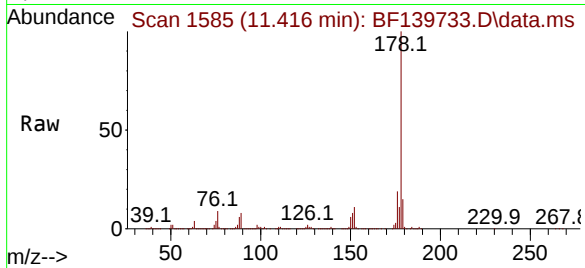




#71
Phenanthrene
Concen: 50.417 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

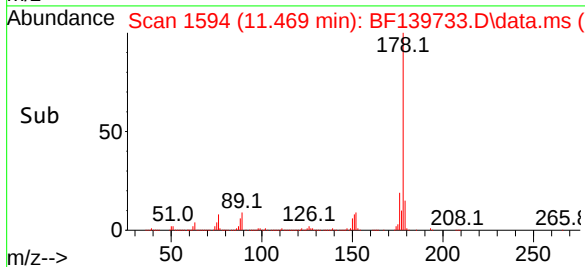
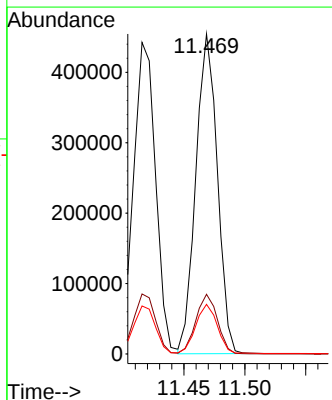
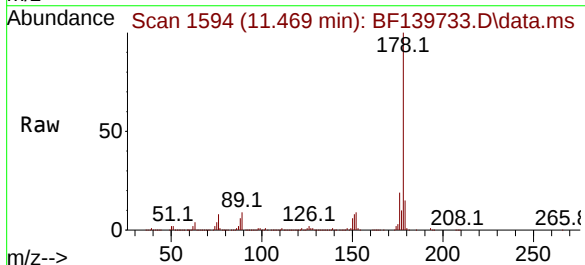
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILMS

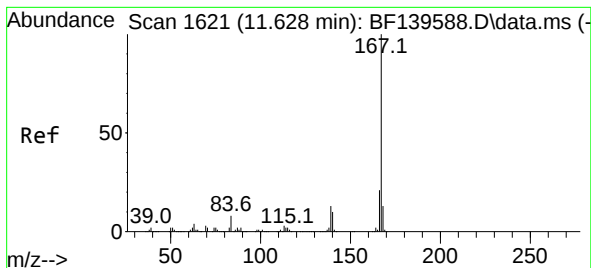
Tgt Ion:178 Resp: 565296
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.4 12.3 18.5



#72
Anthracene
Concen: 50.256 ng
RT: 11.469 min Scan# 1594
Delta R.T. -0.000 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

Tgt Ion:178 Resp: 557456
Ion Ratio Lower Upper
178 100
176 18.6 15.1 22.7
179 15.5 12.5 18.7





#73

Carbazole

Concen: 47.005 ng

RT: 11.627 min Scan# 1621

Delta R.T. -0.000 min

Lab File: BF139733.D

Acq: 09 Oct 2024 20:23

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOILMS

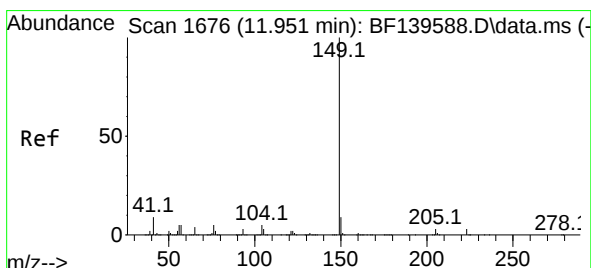
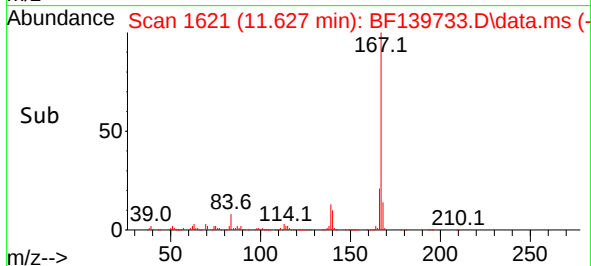
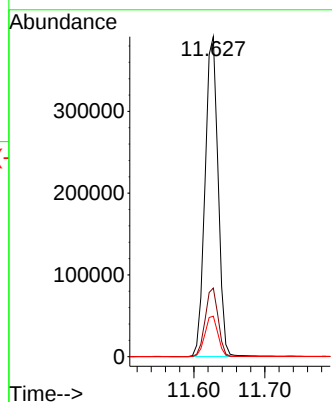
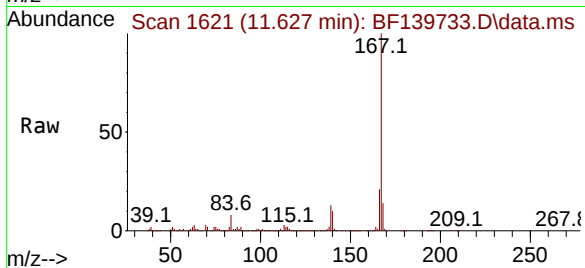
Tgt Ion:167 Resp: 500773

Ion Ratio Lower Upper

167 100

166 21.4 17.2 25.8

139 12.7 10.3 15.5



#74

Di-n-butylphthalate

Concen: 50.766 ng

RT: 11.951 min Scan# 1676

Delta R.T. -0.000 min

Lab File: BF139733.D

Acq: 09 Oct 2024 20:23

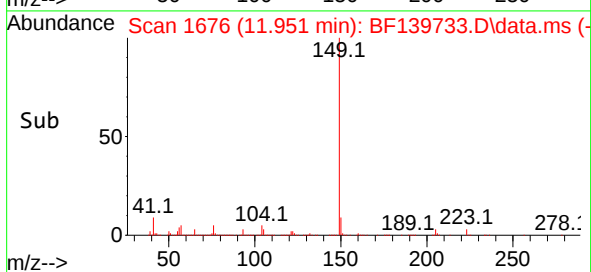
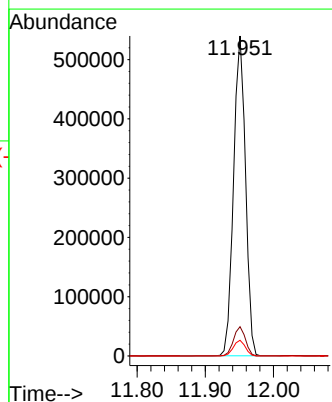
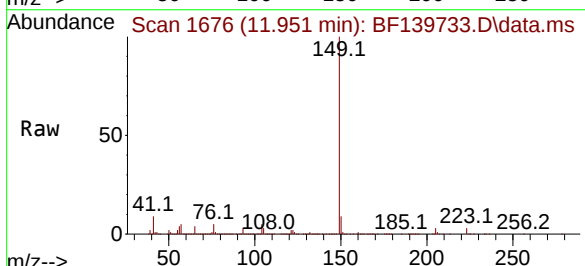
Tgt Ion:149 Resp: 657679

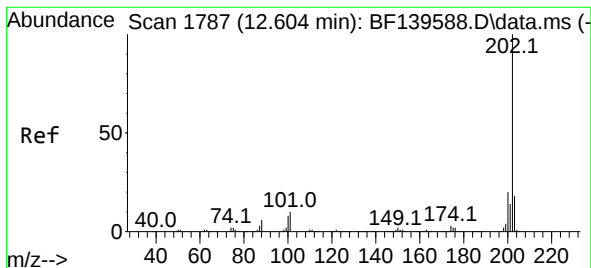
Ion Ratio Lower Upper

149 100

150 9.1 7.5 11.3

104 4.9 4.1 6.1





#75

Fluoranthene

Concen: 50.469 ng

RT: 12.604 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139733.D

Acq: 09 Oct 2024 20:23

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOILMS

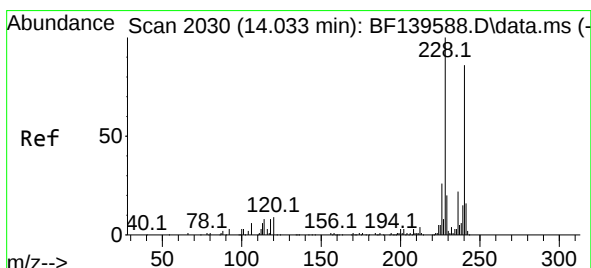
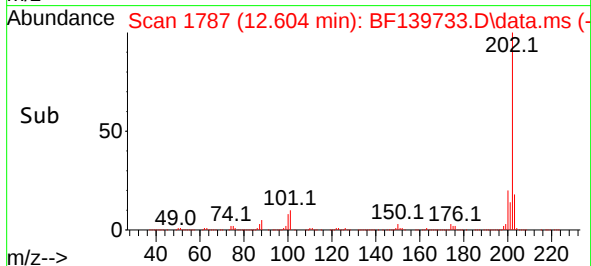
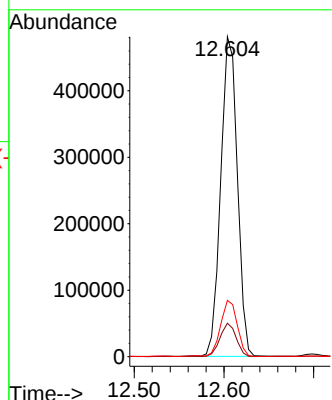
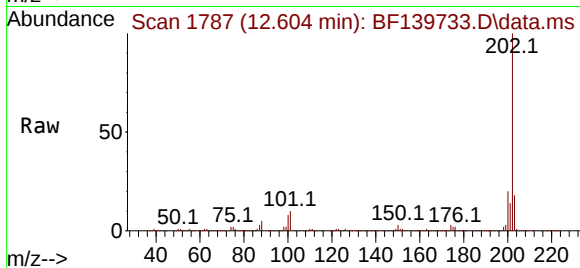
Tgt Ion:202 Resp: 618580

Ion Ratio Lower Upper

202 100

101 10.4 0.0 30.2

203 17.6 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF139733.D

Acq: 09 Oct 2024 20:23

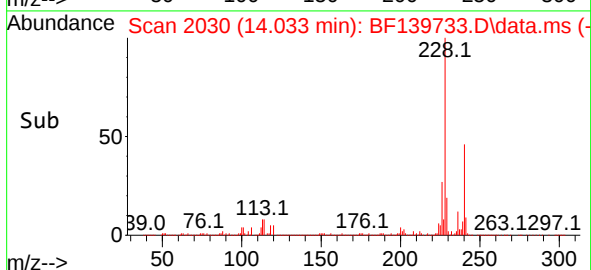
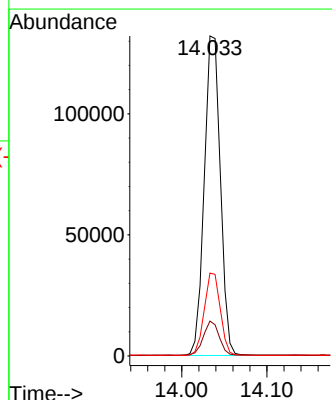
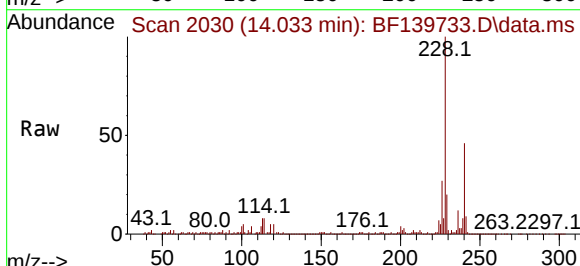
Tgt Ion:240 Resp: 173226

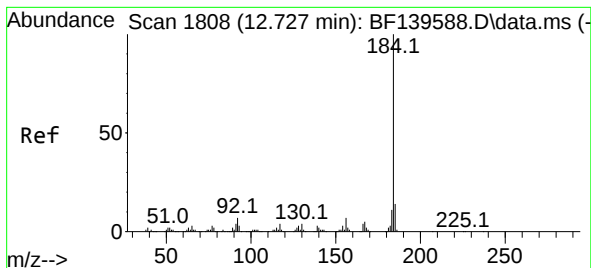
Ion Ratio Lower Upper

240 100

120 10.9 8.4 12.6

236 25.9 20.3 30.5





#77

Benzidine

Concen: 89.880 ng

RT: 12.727 min Scan# 1808

Delta R.T. -0.000 min

Lab File: BF139733.D

Acq: 09 Oct 2024 20:23

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOILMS

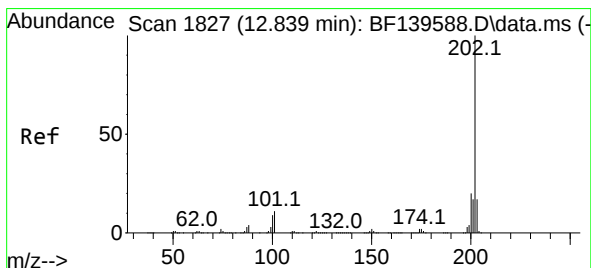
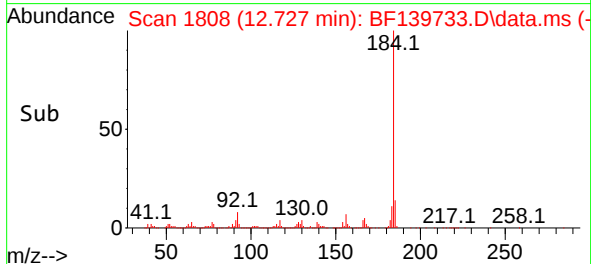
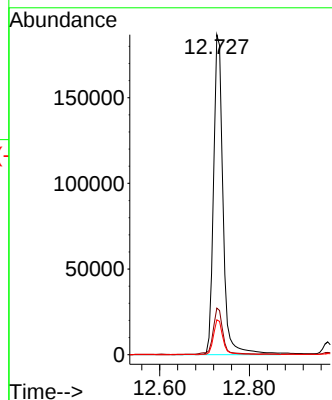
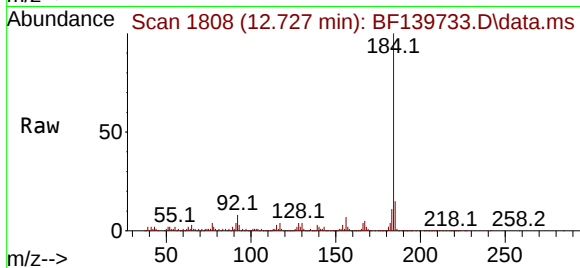
Tgt Ion:184 Resp: 274629

Ion Ratio Lower Upper

184 100

185 14.5 11.4 17.0

183 10.9 8.8 13.2



#78

Pyrene

Concen: 42.010 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.000 min

Lab File: BF139733.D

Acq: 09 Oct 2024 20:23

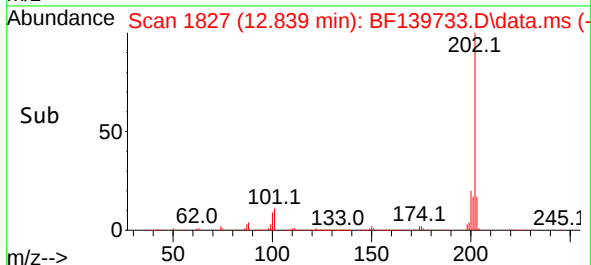
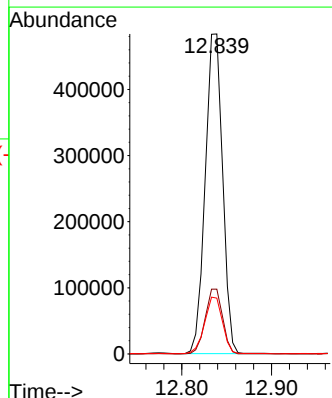
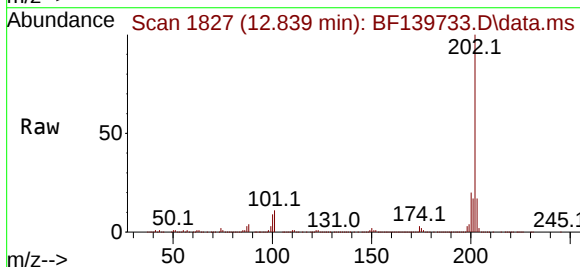
Tgt Ion:202 Resp: 650874

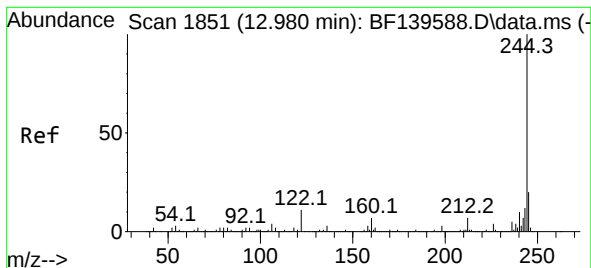
Ion Ratio Lower Upper

202 100

200 20.2 15.8 23.6

203 17.4 13.8 20.8





#79

Terphenyl-d14

Concen: 62.509 ng

RT: 12.974 min Scan# 1850

Delta R.T. -0.006 min

Lab File: BF139733.D

Acq: 09 Oct 2024 20:23

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOILMS

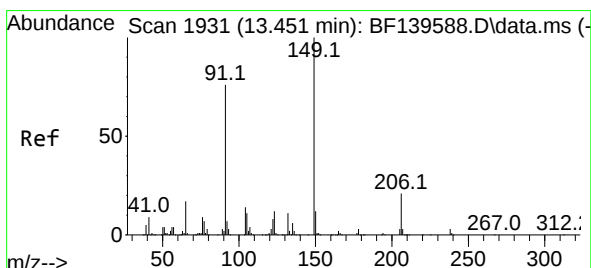
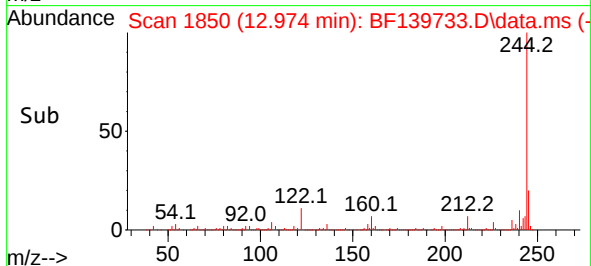
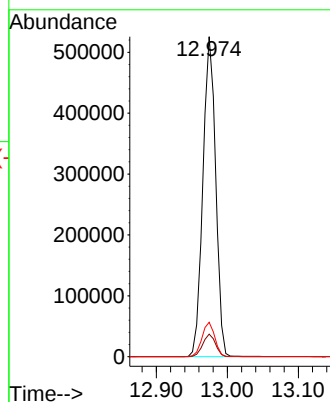
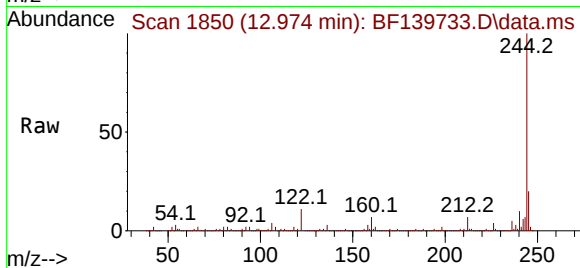
Tgt Ion:244 Resp: 659926

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

122 10.7 8.6 12.8



#80

Butylbenzylphthalate

Concen: 45.181 ng

RT: 13.451 min Scan# 1931

Delta R.T. -0.000 min

Lab File: BF139733.D

Acq: 09 Oct 2024 20:23

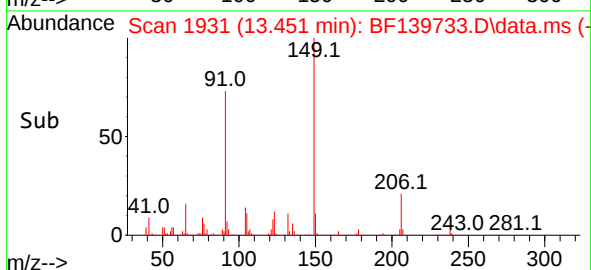
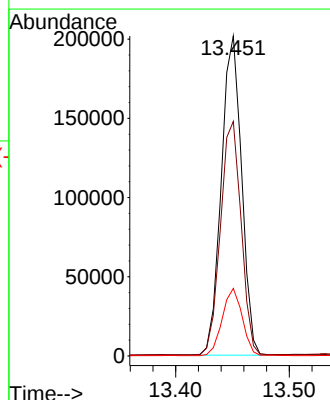
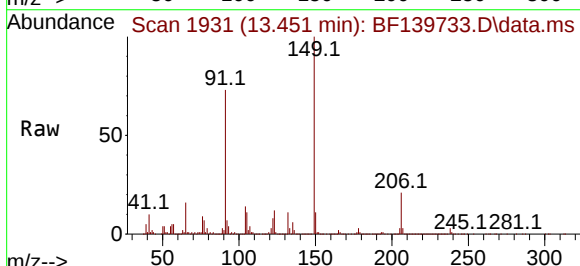
Tgt Ion:149 Resp: 250384

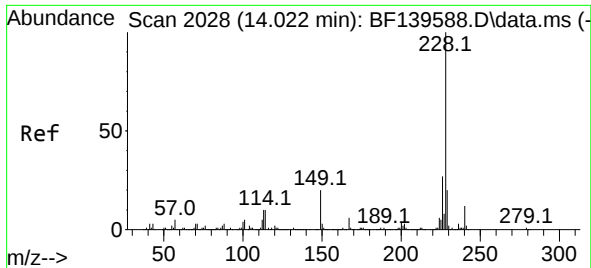
Ion Ratio Lower Upper

149 100

91 73.3 61.0 91.4

206 21.1 16.6 24.8

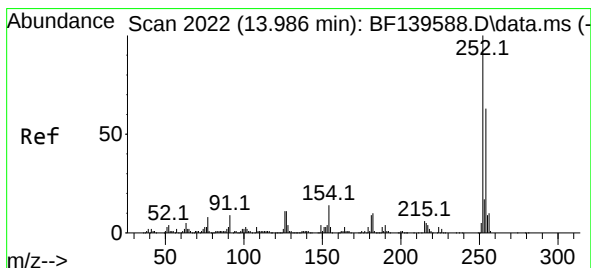
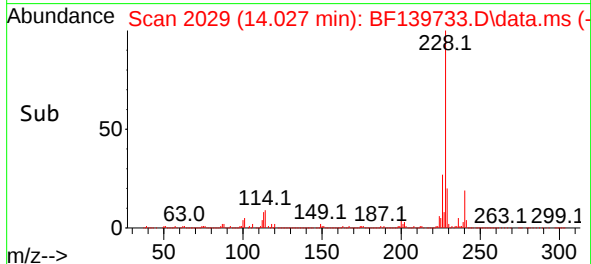
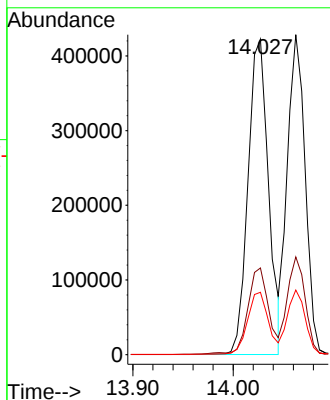
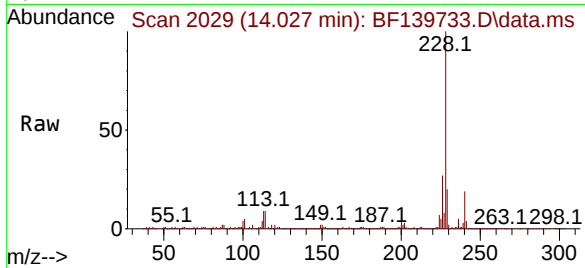




#81
Benzo(a)anthracene
Concen: 52.602 ng
RT: 14.027 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

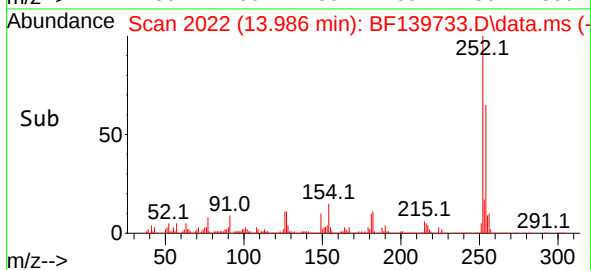
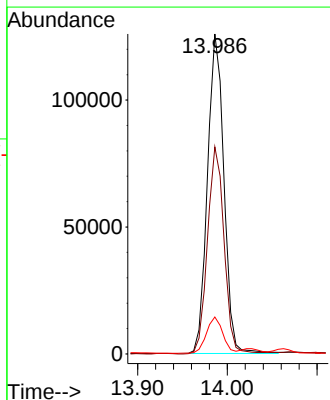
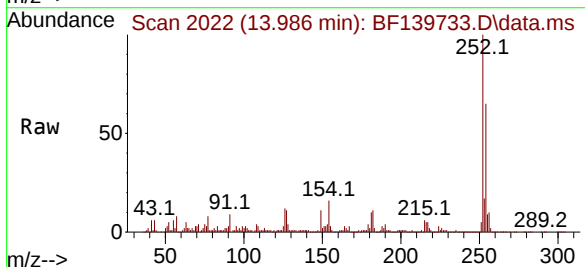
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILMS

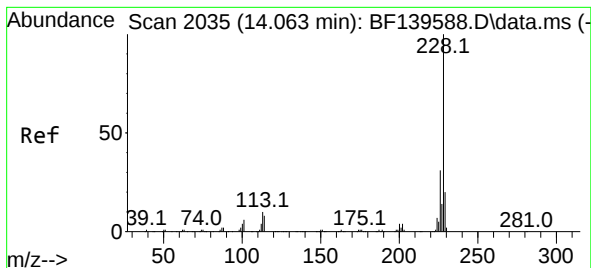
Tgt Ion:228 Resp: 599087
Ion Ratio Lower Upper
228 100
226 27.5 21.8 32.8
229 19.8 15.8 23.8



#82
3,3'-Dichlorobenzidine
Concen: 46.060 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

Tgt Ion:252 Resp: 160544
Ion Ratio Lower Upper
252 100
254 64.7 50.5 75.7
126 11.5 8.8 13.2





#83

Chrysene

Concen: 50.633 ng

RT: 14.063 min Scan# 2035

Delta R.T. -0.000 min

Lab File: BF139733.D

Acq: 09 Oct 2024 20:23

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOILMS

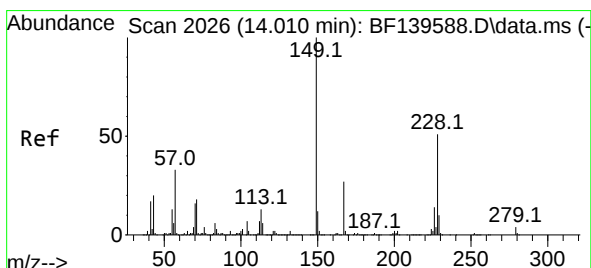
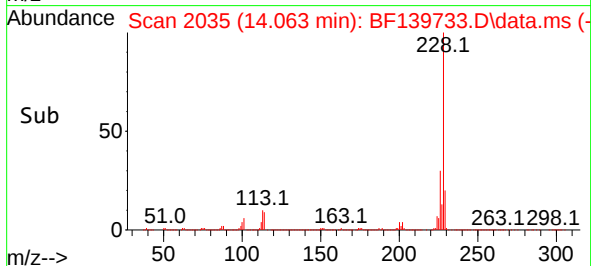
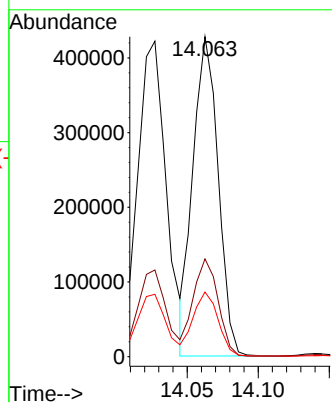
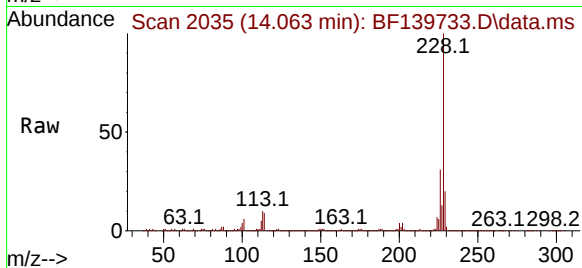
Tgt Ion:228 Resp: 527209

Ion Ratio Lower Upper

228 100

226 30.5 24.3 36.5

229 20.2 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 50.588 ng

RT: 14.004 min Scan# 2025

Delta R.T. -0.006 min

Lab File: BF139733.D

Acq: 09 Oct 2024 20:23

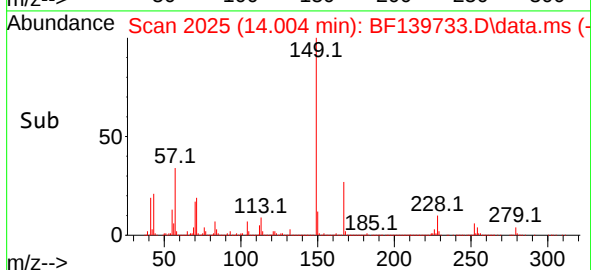
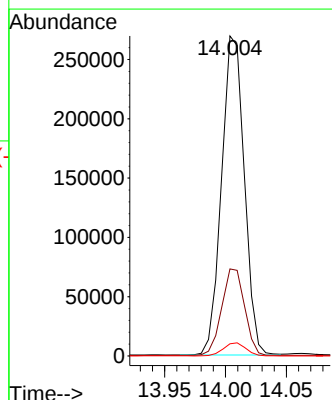
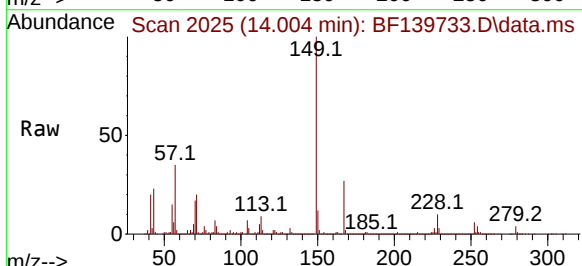
Tgt Ion:149 Resp: 350066

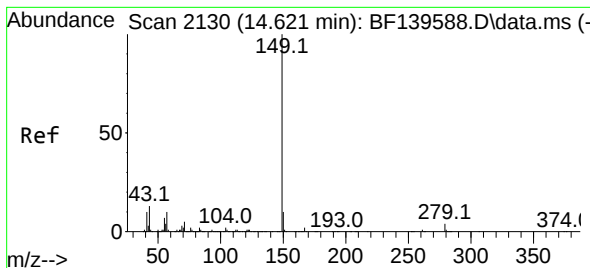
Ion Ratio Lower Upper

149 100

167 27.2 21.7 32.5

279 3.8 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 59.257 ng

RT: 14.621 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139733.D

Acq: 09 Oct 2024 20:23

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOILMS

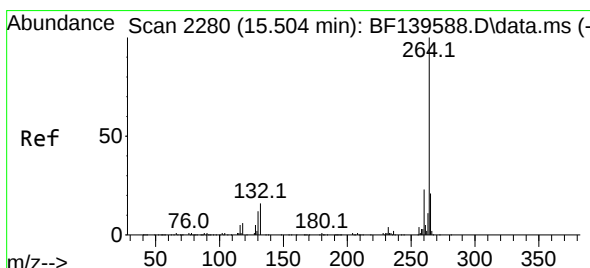
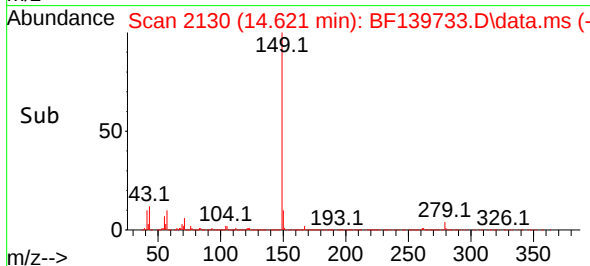
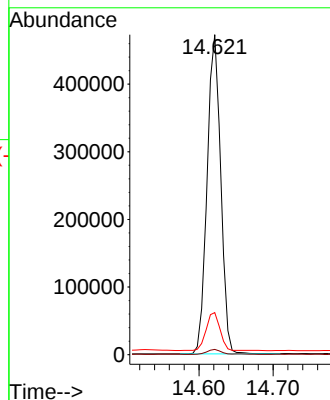
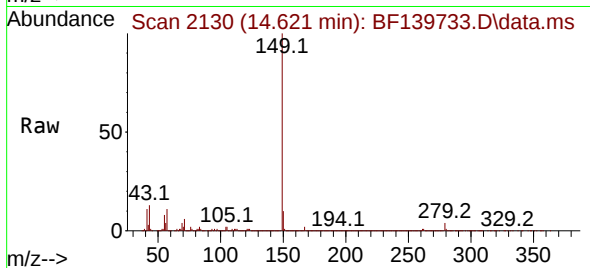
Tgt Ion:149 Resp: 602418

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 12.1 10.2 15.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.509 min Scan# 2281

Delta R.T. 0.006 min

Lab File: BF139733.D

Acq: 09 Oct 2024 20:23

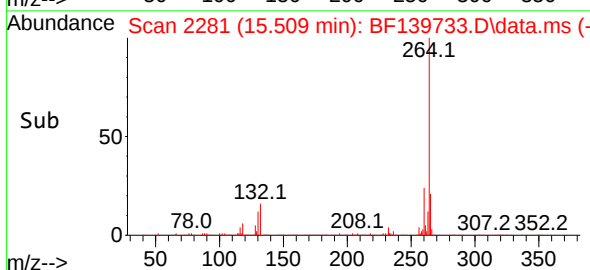
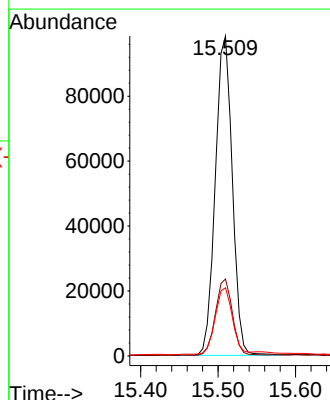
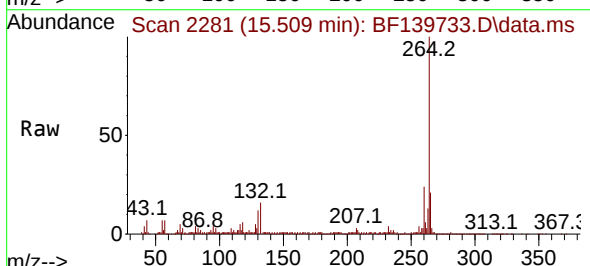
Tgt Ion:264 Resp: 149626

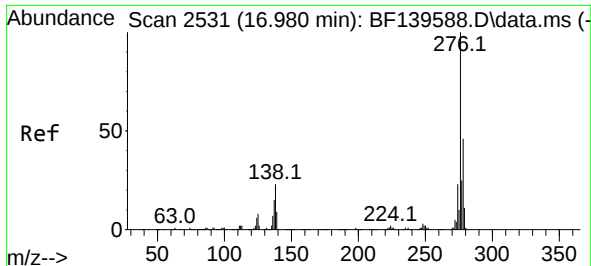
Ion Ratio Lower Upper

264 100

260 24.1 18.7 28.1

265 21.3 16.9 25.3

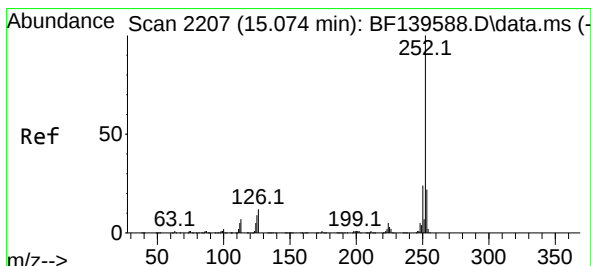
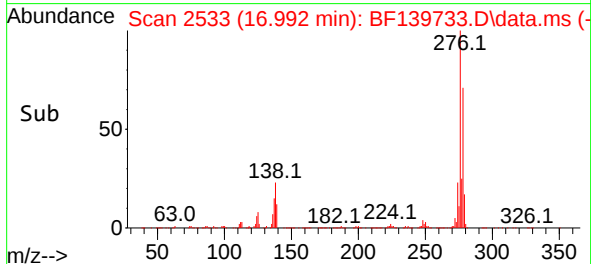
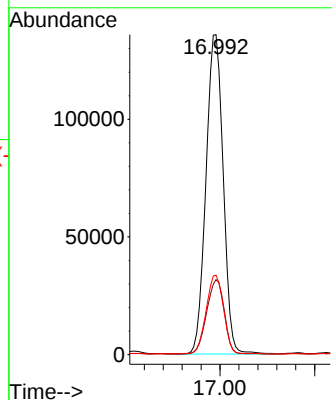
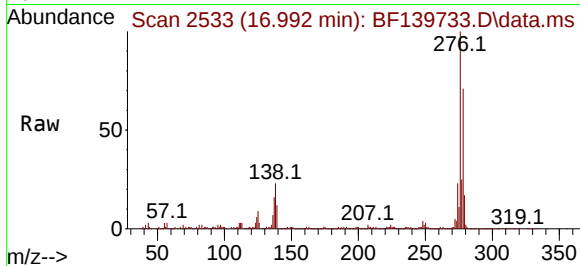




#87
Indeno(1,2,3-cd)pyrene
Concen: 38.953 ng
RT: 16.992 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

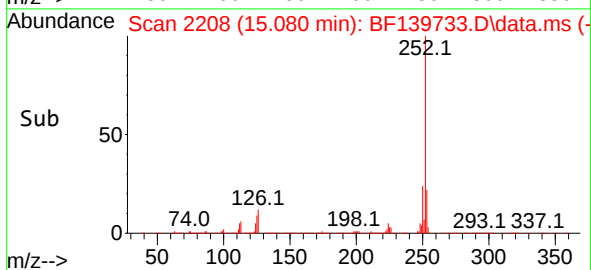
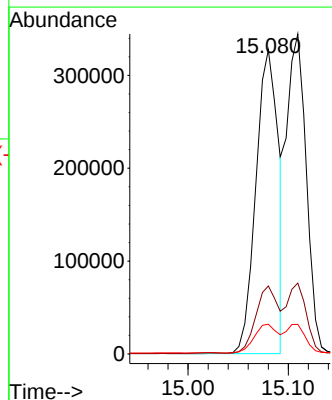
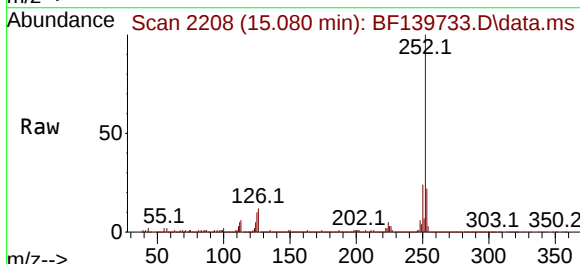
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILMS

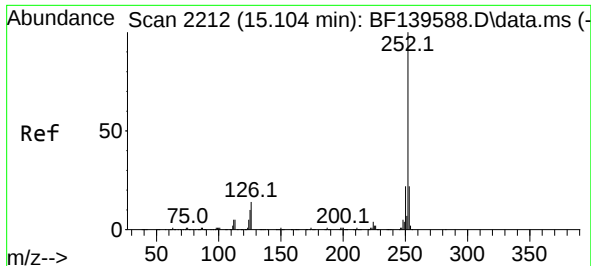
Tgt Ion:276 Resp: 343045
Ion Ratio Lower Upper
276 100
138 23.8 19.4 29.0
277 24.7 20.2 30.2



#88
Benzo(b)fluoranthene
Concen: 52.398 ng
RT: 15.080 min Scan# 2208
Delta R.T. 0.006 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

Tgt Ion:252 Resp: 506928
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.0
125 9.8 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 56.899 ng

RT: 15.110 min Scan# 2213

Delta R.T. 0.006 min

Lab File: BF139733.D

Acq: 09 Oct 2024 20:23

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOILMS

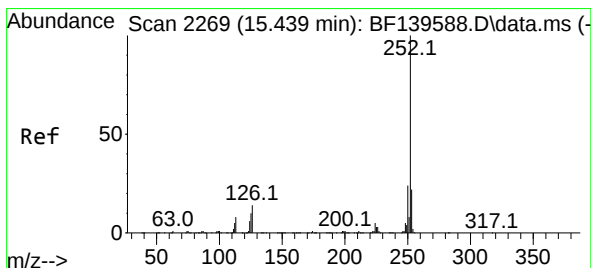
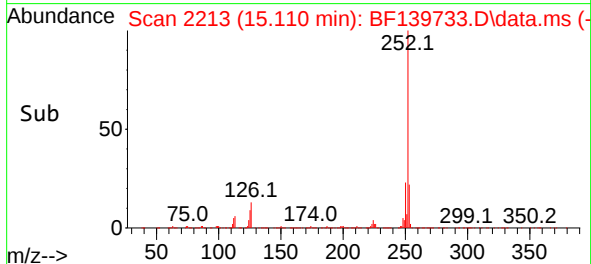
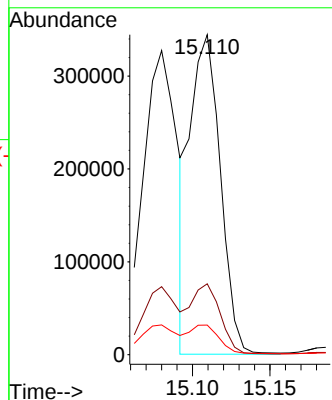
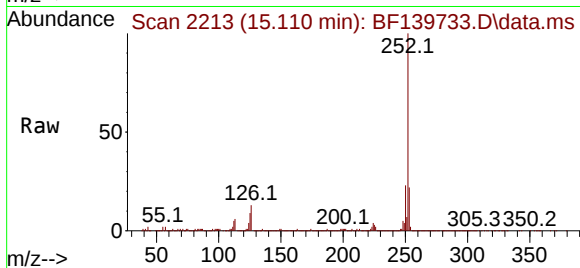
Tgt Ion:252 Resp: 466947

Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 9.3 7.6 11.4



#90

Benzo(a)pyrene

Concen: 55.204 ng

RT: 15.451 min Scan# 2271

Delta R.T. 0.012 min

Lab File: BF139733.D

Acq: 09 Oct 2024 20:23

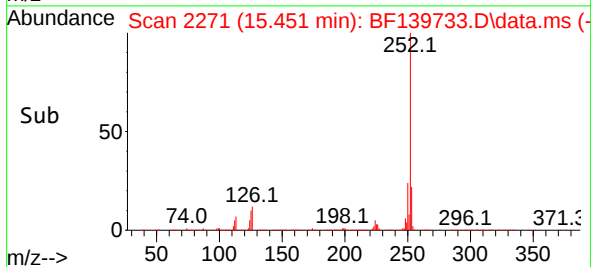
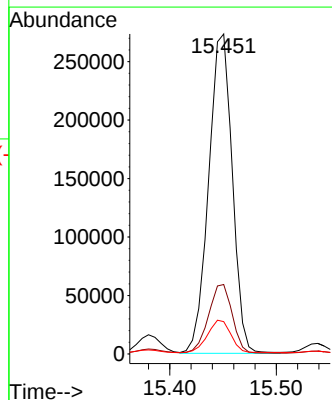
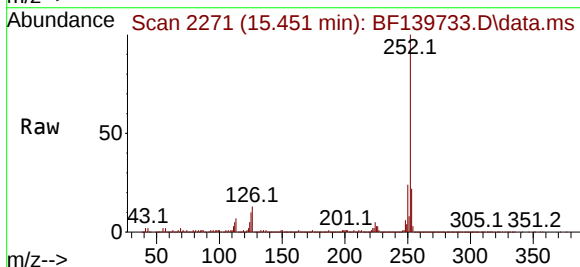
Tgt Ion:252 Resp: 421115

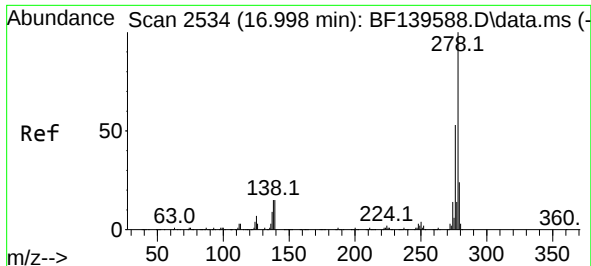
Ion Ratio Lower Upper

252 100

253 21.7 17.3 25.9

125 10.1 8.3 12.5

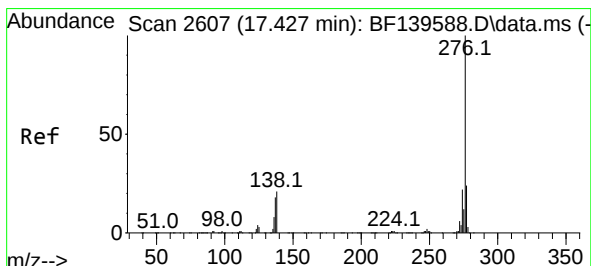
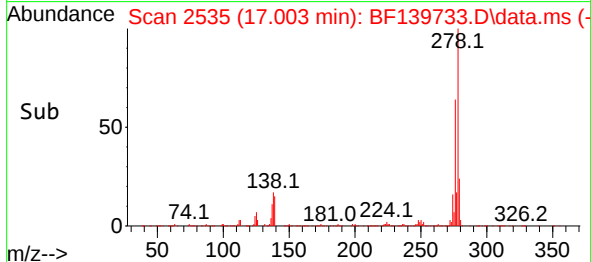
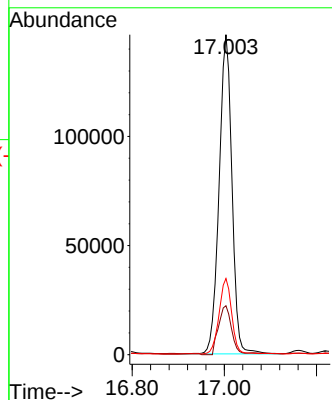
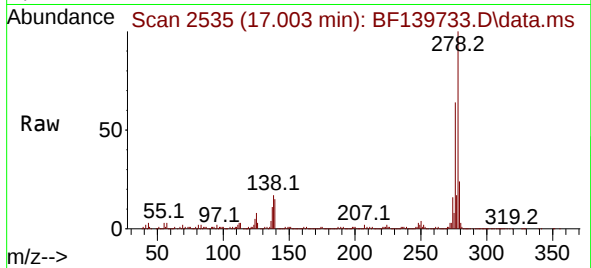




#91
Dibenzo(a,h)anthracene
Concen: 38.636 ng
RT: 17.003 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILMS

Tgt Ion:278 Resp: 282212
Ion Ratio Lower Upper
278 100
139 15.3 12.2 18.4
279 23.8 19.2 28.8



#92
Benzo(g,h,i)perylene
Concen: 34.398 ng
RT: 17.439 min Scan# 2609
Delta R.T. 0.012 min
Lab File: BF139733.D
Acq: 09 Oct 2024 20:23

Tgt Ion:276 Resp: 251981
Ion Ratio Lower Upper
276 100
277 23.3 19.0 28.6
138 20.0 17.0 25.6

