

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092223\
 Data File : BF135405.D
 Acq On : 22 Sep 2023 18:06
 Operator : CG\JU
 Sample : 04474-03MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 H-2313-SOILMSD

Quant Time: Sep 23 04:56:44 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	151046	20.000	ng	0.00
21) Naphthalene-d8	8.039	136	570887	20.000	ng	0.00
39) Acenaphthene-d10	9.792	164	272545	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	467179	20.000	ng	0.00
76) Chrysene-d12	13.945	240	220816	20.000	ng	0.00
86) Perylene-d12	15.409	264	161924	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	1140001	122.754	ng	0.02
7) Phenol-d6	6.410	99	1344992	113.897	ng	0.00
23) Nitrobenzene-d5	7.328	82	983978	93.642	ng	0.00
42) 2,4,6-Tribromophenol	10.592	330	299961	110.751	ng	0.00
45) 2-Fluorobiphenyl	9.116	172	1558687	86.284	ng	-0.01
79) Terphenyl-d14	12.880	244	1224787	85.984	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.669	88	189145	46.460	ng	# 79
3) Pyridine	3.404	79	231402	21.119	ng	95
4) n-Nitrosodimethylamine	3.334	42	296285	50.957	ng	94
6) Aniline	6.434	93	59231	3.825	ng	# 1
8) 2-Chlorophenol	6.551	128	487963	49.221	ng	97
9) Benzaldehyde	6.316	77	110677	16.452	ng	99
10) Phenol	6.428	94	520329	40.183	ng	85
11) bis(2-Chloroethyl)ether	6.504	93	496626	51.130	ng	99
12) 1,3-Dichlorobenzene	6.698	146	454651	45.125	ng	100
13) 1,4-Dichlorobenzene	6.775	146	464610	45.325	ng	98
14) 1,2-Dichlorobenzene	6.928	146	442388	46.473	ng	98
15) Benzyl Alcohol	6.910	79	234596	27.685	ng	94
16) 2,2'-oxybis(1-Chloropr...	7.039	45	879539	48.041	ng	88
17) 2-Methylphenol	7.028	107	374756	42.836	ng	# 93
18) Hexachloroethane	7.263	117	175992	46.466	ng	92
19) n-Nitroso-di-n-propyla...	7.181	70	318603	43.559	ng	96
20) 3+4-Methylphenols	7.181	107	431258	40.995	ng	# 83
22) Acetophenone	7.169	105	623087	47.739	ng	# 93
24) Nitrobenzene	7.345	77	511205	49.221	ng	99
25) Isophorone	7.586	82	950564	49.264	ng	99
26) 2-Nitrophenol	7.657	139	257774	51.713	ng	99
27) 2,4-Dimethylphenol	7.704	122	379395	45.281	ng	96
28) bis(2-Chloroethoxy)met...	7.792	93	534027	46.241	ng	100
29) 2,4-Dichlorophenol	7.904	162	379167	48.838	ng	98
30) 1,2,4-Trichlorobenzene	7.980	180	394719	48.641	ng	100
31) Naphthalene	8.057	128	1324749	47.760	ng	99
32) Benzoic acid	7.845	122	294313	46.648	ng	99
33) 4-Chloroaniline	8.128	127	26663	2.191	ng	96
34) Hexachlorobutadiene	8.169	225	218553	44.665	ng	99
35) Caprolactam	8.492	113	73848	28.341	ng	98
36) 4-Chloro-3-methylphenol	8.610	107	396151	45.910	ng	96
37) 2-Methylnaphthalene	8.751	142	830739	44.555	ng	99
38) 1-Methylnaphthalene	8.851	142	802337	45.963	ng	99
40) 1,2,4,5-Tetrachloroben...	8.916	216	394370	49.946	ng	98
41) Hexachlorocyclopentadiene	8.898	237	243307	70.862	ng	99
43) 2,4,6-Trichlorophenol	9.039	196	258616	50.025	ng	99

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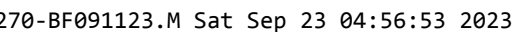
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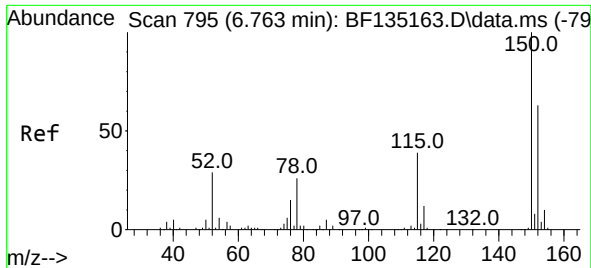
Quant Time: Sep 23 04:56:44 2023
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.086	196	270635	45.458	ng	98
46) 1,1'-Biphenyl	9.216	154	1030936	49.222	ng	98
47) 2-Chloronaphthalene	9.245	162	783767	51.575	ng	99
48) 2-Nitroaniline	9.345	65	209825	35.541	ng	98
49) Acenaphthylene	9.657	152	1212724	48.018	ng	99
50) Dimethylphthalate	9.527	163	937851	50.896	ng	100
51) 2,6-Dinitrotoluene	9.592	165	202309	50.117	ng	92
52) Acenaphthene	9.827	154	721701	48.373	ng	97
53) 3-Nitroaniline	9.763	138	24075	5.081	ng	# 92
54) 2,4-Dinitrophenol	9.880	184	177891	77.812	ng	87
55) Dibenzofuran	10.004	168	1031207	45.294	ng	98
56) 4-Nitrophenol	9.939	139	205150	68.122	ng	98
57) 2,4-Dinitrotoluene	9.998	165	227542	45.026	ng	# 82
58) Fluorene	10.351	166	802321	45.840	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.127	232	214825	46.908	ng	98
60) Diethylphthalate	10.227	149	896634	48.485	ng	100
61) 4-Chlorophenyl-phenyle...	10.339	204	374986	44.601	ng	97
62) 4-Nitroaniline	10.374	138	69656	15.293	ng	91
63) Azobenzene	10.498	77	857876	47.399	ng	97
65) 4,6-Dinitro-2-methylph...	10.410	198	118844	47.895	ng	93
66) n-Nitrosodiphenylamine	10.457	169	271787	19.216	ng	98
67) 4-Bromophenyl-phenylether	10.833	248	240708	51.805	ng	98
68) Hexachlorobenzene	10.898	284	253565	53.566	ng	97
69) Atrazine	10.986	200	8179	2.149	ng	96
70) Pentachlorophenol	11.098	266	230371	81.342	ng	99
71) Phenanthrene	11.316	178	1122487	50.801	ng	99
72) Anthracene	11.363	178	1131977	49.841	ng	99
73) Carbazole	11.521	167	318039	15.383	ng	97
74) Di-n-butylphthalate	11.857	149	1324522	54.367	ng	99
75) Fluoranthene	12.504	202	1029154	44.700	ng	97
77) Benzidine	12.651	184	9240	2.043	ng	# 80
78) Pyrene	12.739	202	999152	47.526	ng	100
80) Butylbenzylphthalate	13.362	149	423961	57.277	ng	99
81) Benzo(a)anthracene	13.933	228	736005	51.618	ng	99
83) Chrysene	13.968	228	755342	53.282	ng	99
84) Bis(2-ethylhexyl)phtha...	13.921	149	516498	67.998	ng	# 99
85) Di-n-octyl phthalate	14.539	149	939076	77.796	ng	100
87) Indeno(1,2,3-cd)pyrene	16.892	276	821492	77.377	ng	95
88) Benzo(b)fluoranthene	14.986	252	853654	97.388	ng	98
89) Benzo(k)fluoranthene	14.986	252	853654	98.588	ng	99
90) Benzo(a)pyrene	15.351	252	665994	79.673	ng	99
91) Dibenzo(a,h)anthracene	16.909	278	741817	85.395	ng	98
92) Benzo(g,h,i)perylene	17.339	276	614106	67.690	ng	94

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

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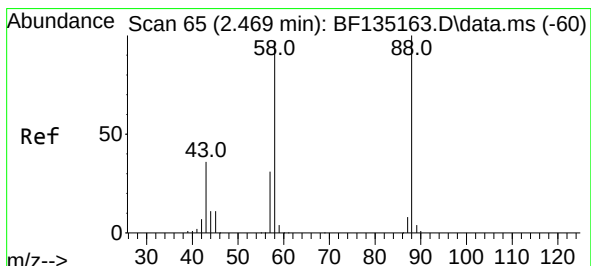
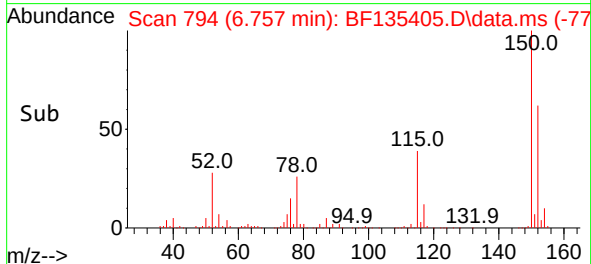
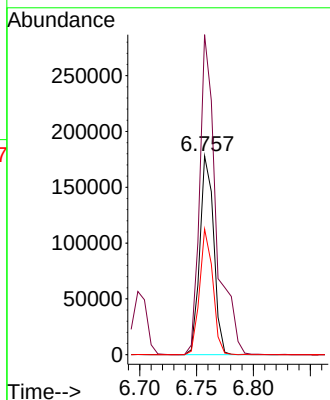
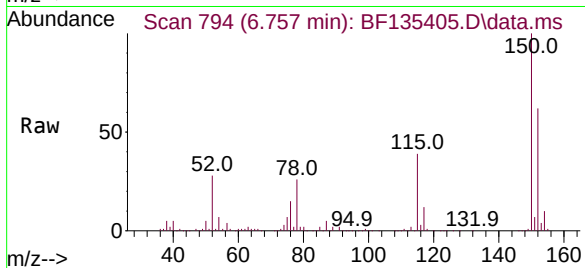




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.757 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: BF135405.D
 Acq: 22 Sep 2023 18:06

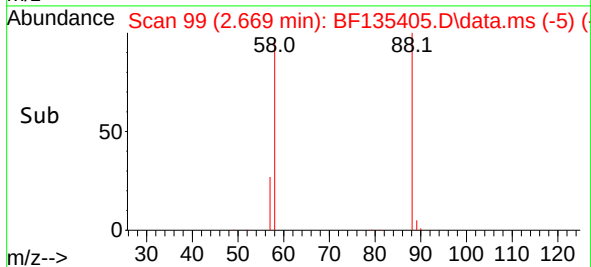
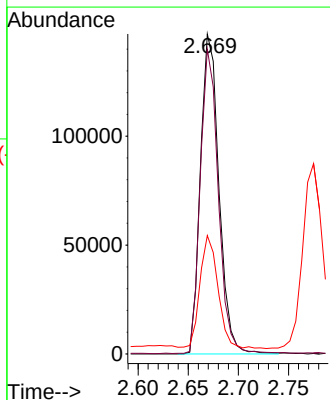
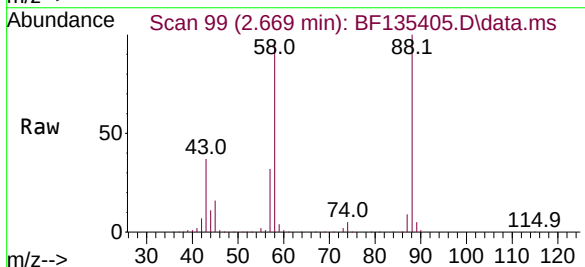
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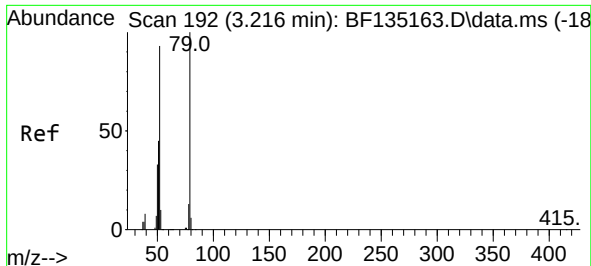
Tgt Ion:152 Resp: 151046
 Ion Ratio Lower Upper
 152 100
 150 161.0 127.8 191.6
 115 63.2 49.8 74.8



#2
 1,4-Dioxane
 Concen: 46.460 ng
 RT: 2.669 min Scan# 99
 Delta R.T. 0.200 min
 Lab File: BF135405.D
 Acq: 22 Sep 2023 18:06

Tgt Ion: 88 Resp: 189145
 Ion Ratio Lower Upper
 88 100
 58 92.7 78.3 117.5
 43 0.0 29.4 44.0#

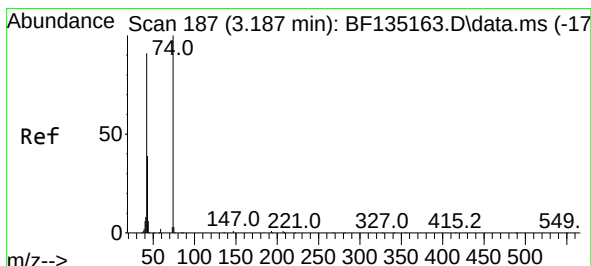
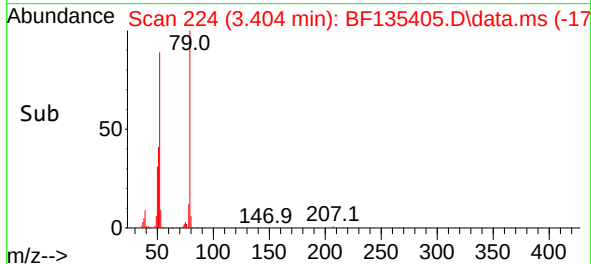
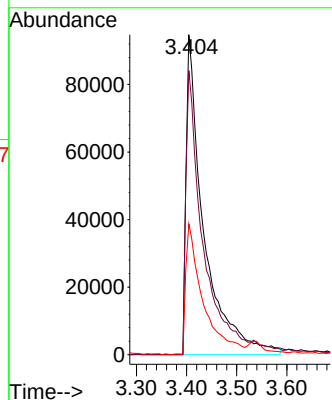
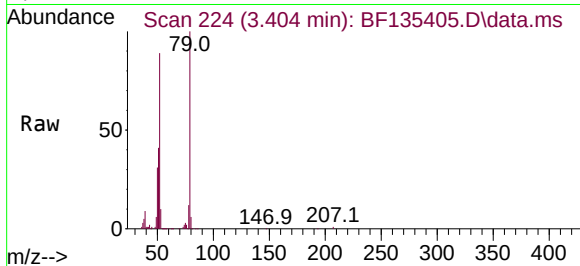




#3
Pyridine
Concen: 21.119 ng
RT: 3.404 min Scan# 211
Delta R.T. 0.188 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

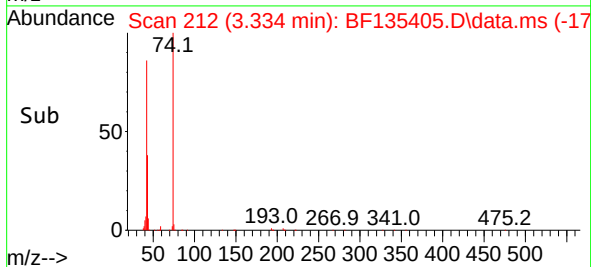
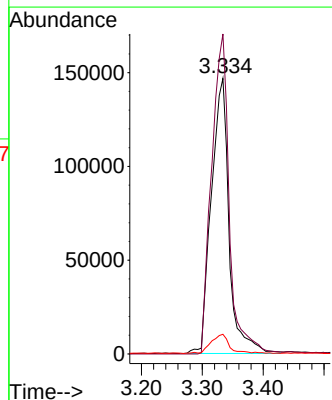
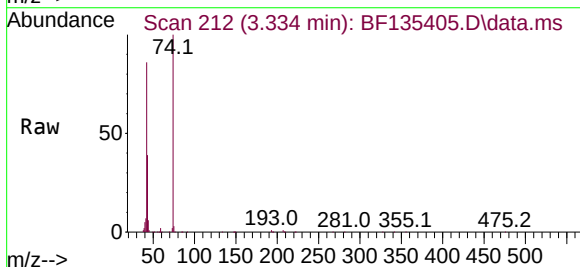
Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMSD

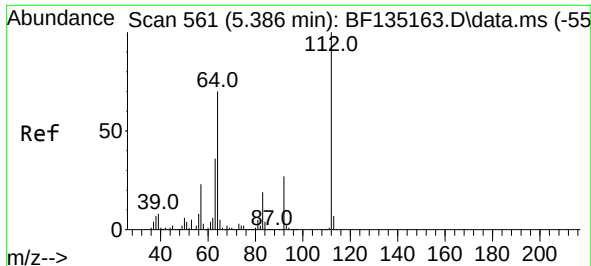
Tgt Ion: 79 Resp: 231402
Ion Ratio Lower Upper
79 100
52 88.8 74.1 111.1
51 40.9 35.8 53.8



#4
n-Nitrosodimethylamine
Concen: 50.957 ng
RT: 3.334 min Scan# 212
Delta R.T. 0.147 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

Tgt Ion: 42 Resp: 296285
Ion Ratio Lower Upper
42 100
74 116.1 87.7 131.5
44 7.1 5.6 8.4

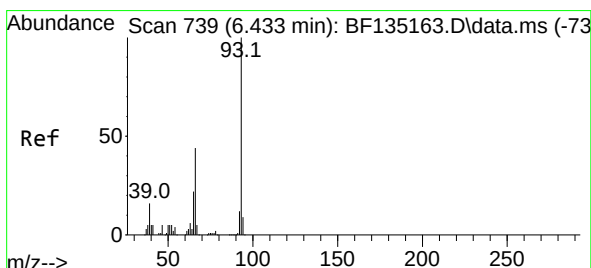
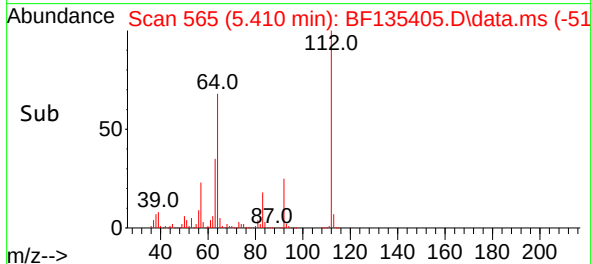
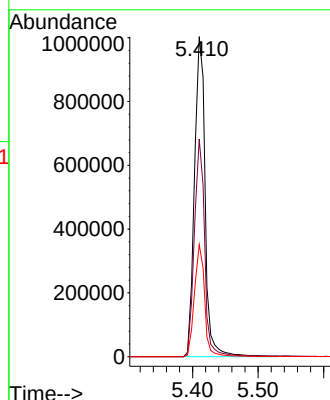
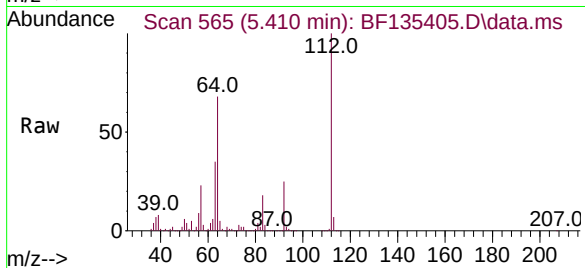




#5
2-Fluorophenol
Concen: 122.754 ng
RT: 5.410 min Scan# 501
Delta R.T. 0.024 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

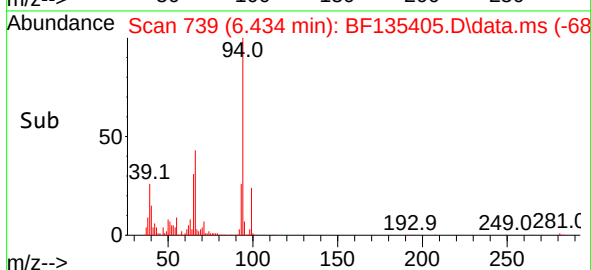
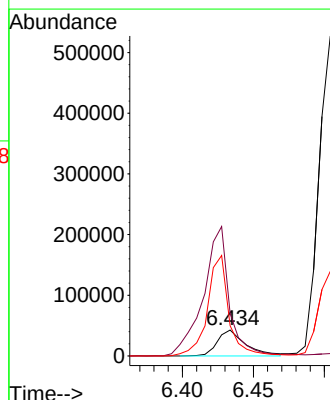
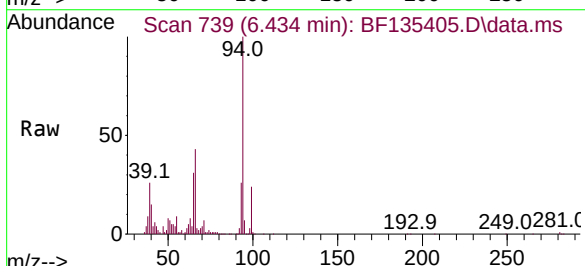
Instrument :
BNA_F
ClientSampleId :
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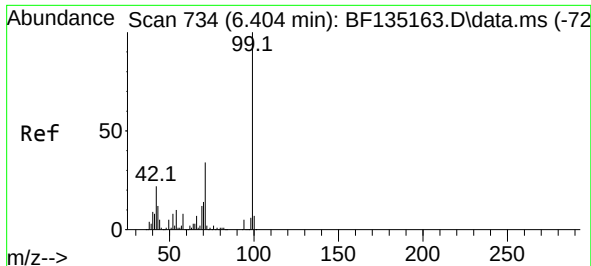
Tgt Ion:112 Resp: 1140001
Ion Ratio Lower Upper
112 100
64 68.0 55.9 83.9
63 35.0 29.0 43.6



#6
Aniline
Concen: 3.825 ng
RT: 6.434 min Scan# 739
Delta R.T. 0.000 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

Tgt Ion: 93 Resp: 59231
Ion Ratio Lower Upper
93 100
66 163.2 35.4 53.0#
65 116.3 17.8 26.8#





#7

Phenol-d6

Concen: 113.897 ng

RT: 6.410 min Scan# 710

Delta R.T. 0.006 min

Lab File: BF135405.D

Acq: 22 Sep 2023 18:06

Instrument :

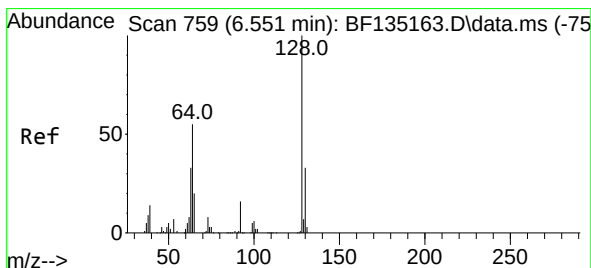
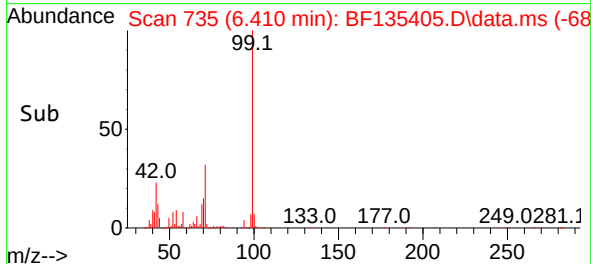
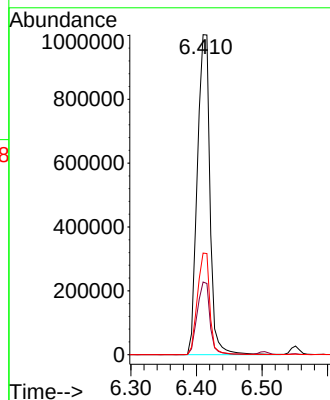
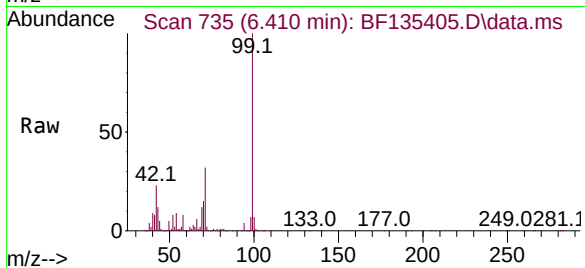
BNA_F

ClientSampleId :

H-2313-SOILMSD

Tgt Ion: 99 Resp: 1344992

Ion	Ratio	Lower	Upper
99	100		
42	22.7	17.9	26.9
71	31.7	27.0	40.6



#8

2-Chlorophenol

Concen: 49.221 ng

RT: 6.551 min Scan# 759

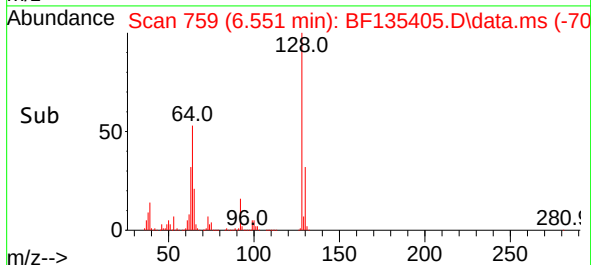
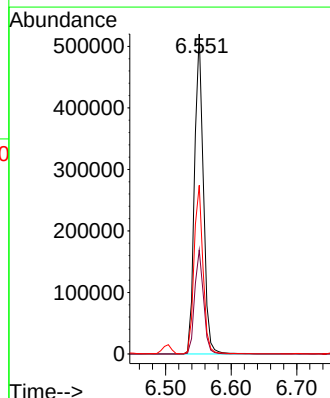
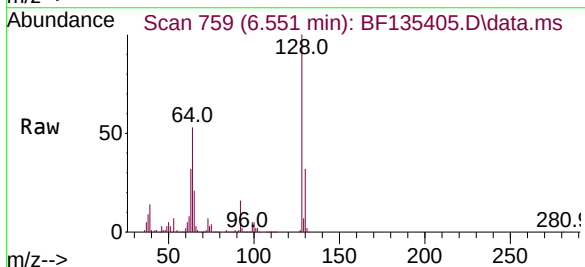
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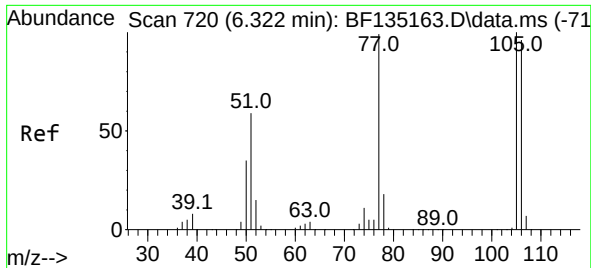
Lab File: BF135405.D

Acq: 22 Sep 2023 18:06

Tgt Ion:128 Resp: 487963

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.7	52.7
64	52.7	35.9	75.9





#9

Benzaldehyde

Concen: 16.452 ng

RT: 6.316 min Scan# 719

Delta R.T. -0.006 min

Lab File: BF135405.D

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Instrument :

BNA_F

ClientSampleId :

H-2313-SOILMSD

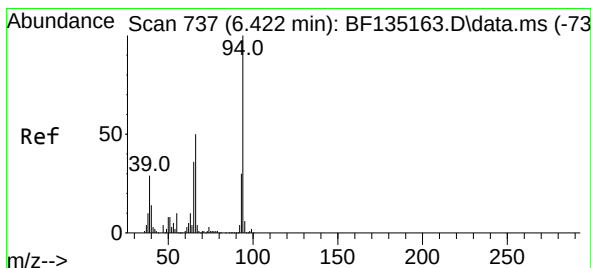
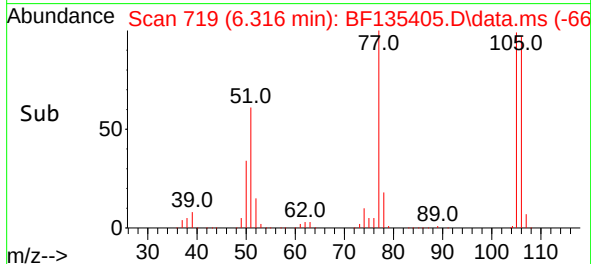
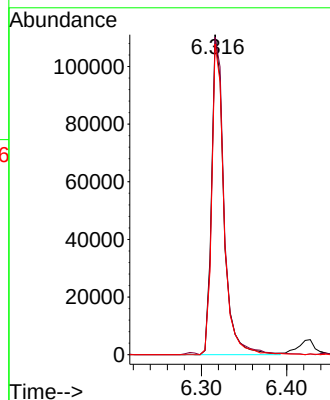
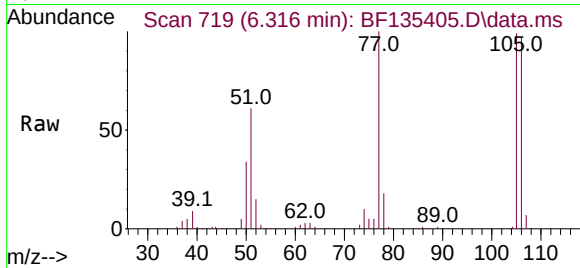
Tgt Ion: 77 Resp: 110677

Ion Ratio Lower Upper

77 100

105 99.2 81.4 121.4

106 97.1 76.9 116.9



#10

Phenol

Concen: 40.183 ng

RT: 6.428 min Scan# 738

Delta R.T. 0.006 min

Lab File: BF135405.D

Acq: 22 Sep 2023 18:06

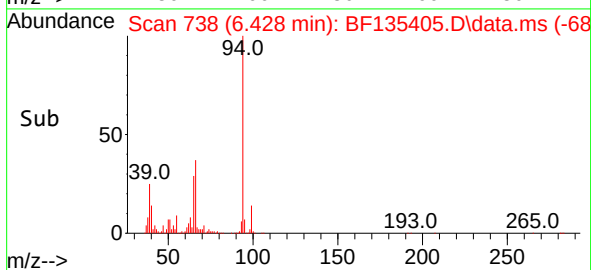
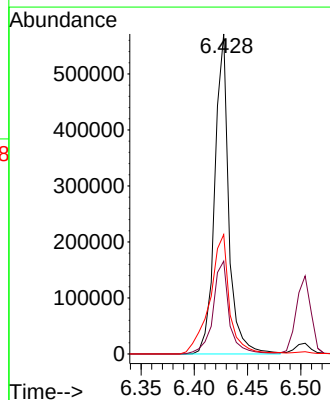
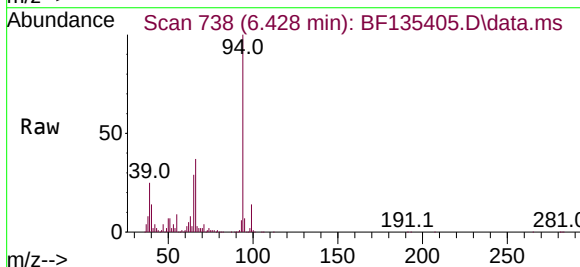
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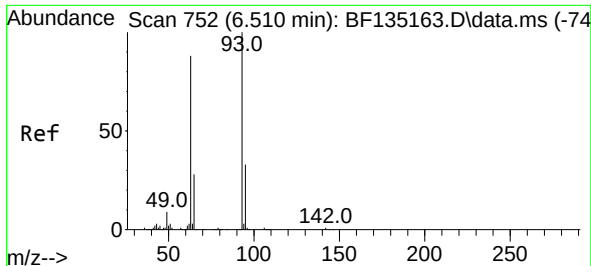
Ion Ratio Lower Upper

94 100

65 29.0 15.9 55.9

66 37.3 29.8 69.8

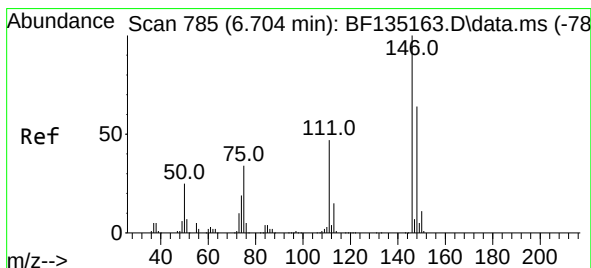
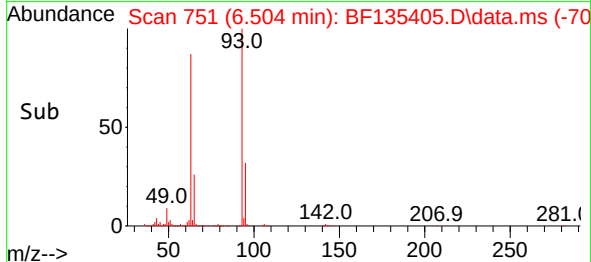
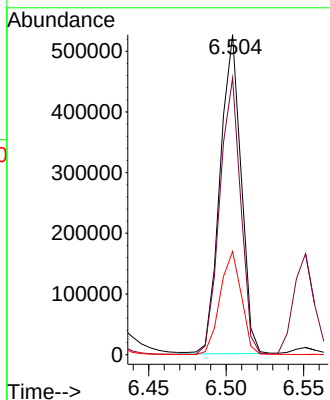
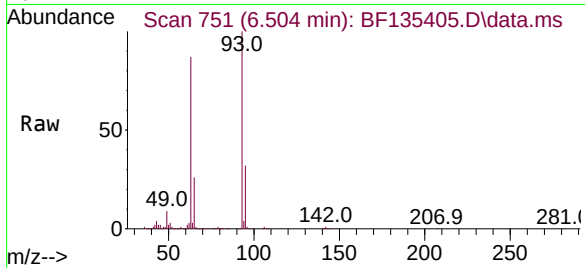




#11
bis(2-Chloroethyl)ether
Concen: 51.130 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

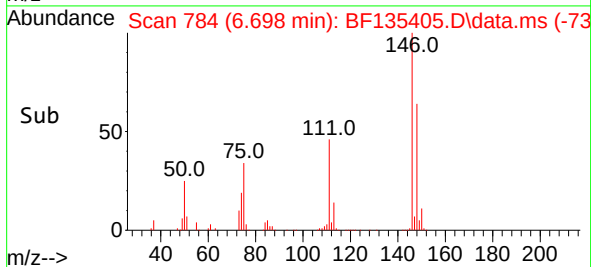
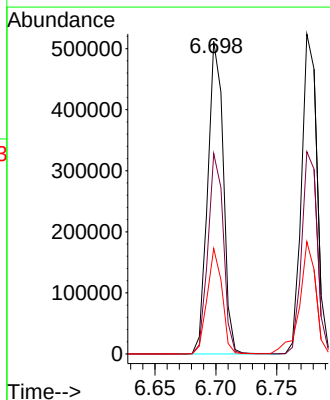
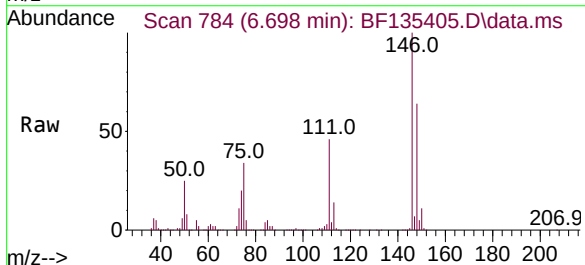
Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMSD

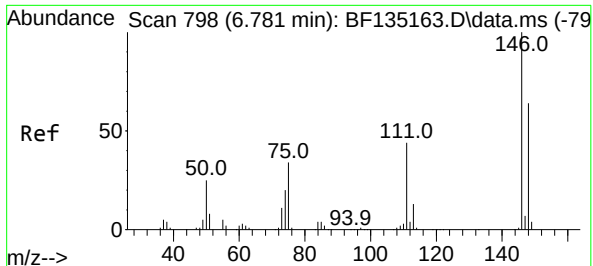
Tgt Ion: 93 Resp: 496626
Ion Ratio Lower Upper
93 100
63 86.5 67.3 107.3
95 32.3 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 45.125 ng
RT: 6.698 min Scan# 784
Delta R.T. -0.006 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

Tgt Ion:146 Resp: 454651
Ion Ratio Lower Upper
146 100
148 64.2 51.3 76.9
75 33.7 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 45.325 ng

RT: 6.775 min Scan# 798

Delta R.T. -0.006 min

Lab File: BF135405.D

Acq: 22 Sep 2023 18:06

Instrument :

BNA_F

ClientSampleId :

H-2313-SOILMSD

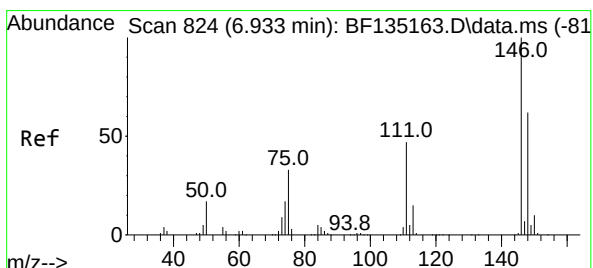
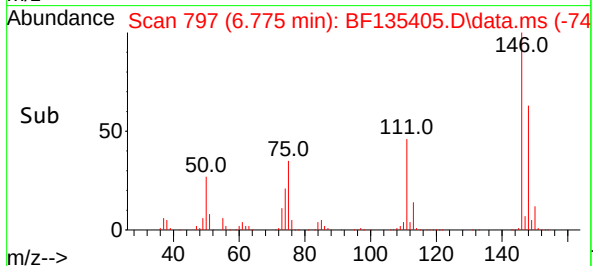
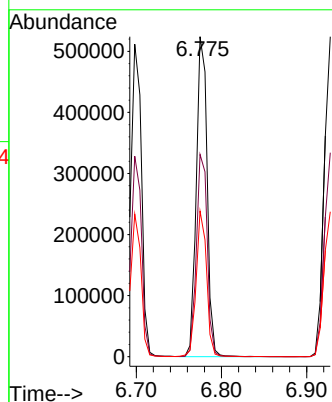
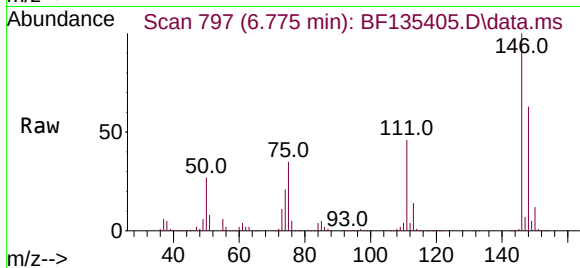
Tgt Ion:146 Resp: 464610

Ion Ratio Lower Upper

146 100

148 63.2 51.3 76.9

111 45.5 35.1 52.7



#14

1,2-Dichlorobenzene

Concen: 46.473 ng

RT: 6.928 min Scan# 823

Delta R.T. -0.006 min

Lab File: BF135405.D

Acq: 22 Sep 2023 18:06

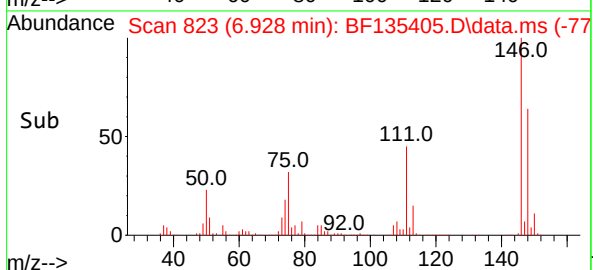
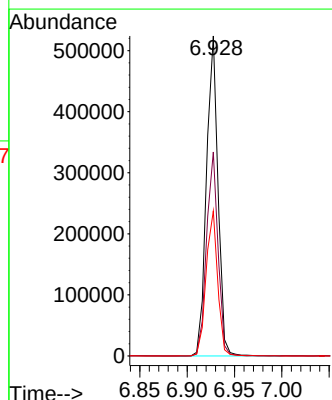
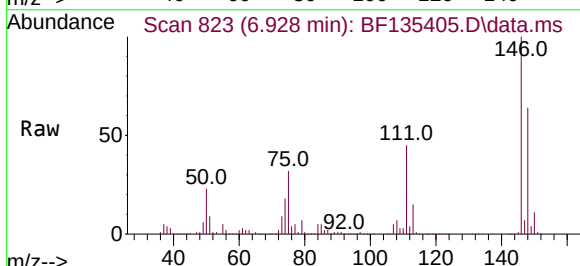
Tgt Ion:146 Resp: 442388

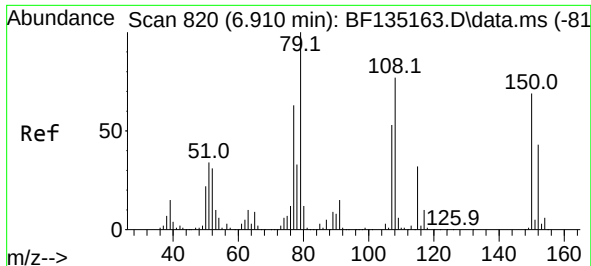
Ion Ratio Lower Upper

146 100

148 63.8 49.7 74.5

111 45.3 37.4 56.2

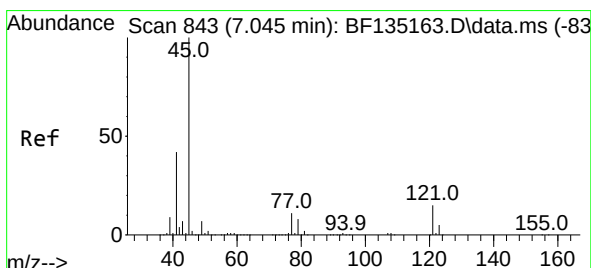
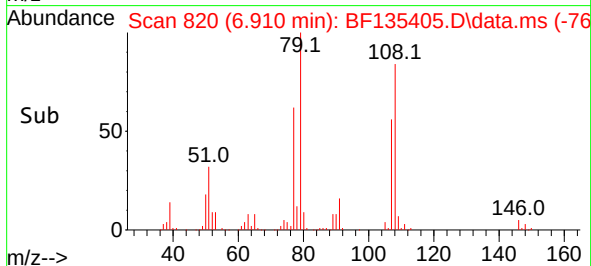
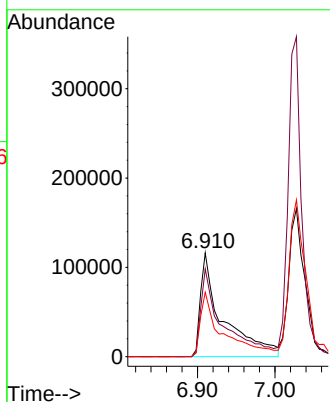
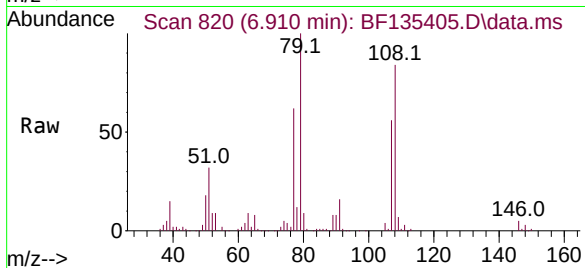




#15
Benzyl Alcohol
Concen: 27.685 ng
RT: 6.910 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

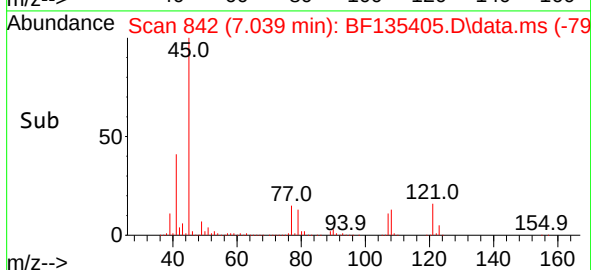
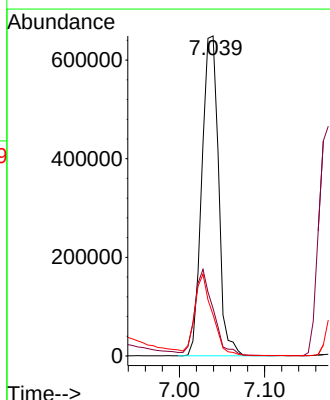
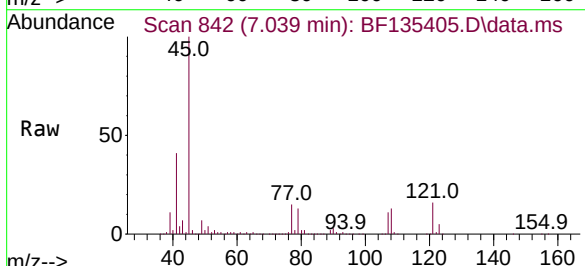
Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMSD

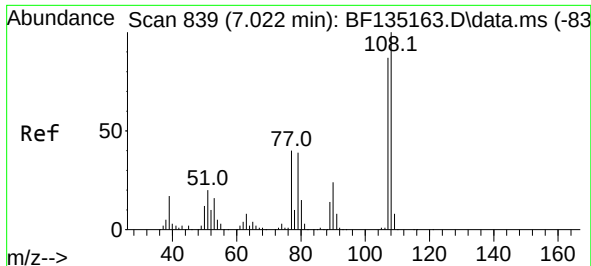
Tgt Ion: 79 Resp: 234596
Ion Ratio Lower Upper
79 100
108 84.5 61.2 91.8
77 61.9 50.5 75.7



#16
2,2'-oxybis(1-Chloropropane)
Concen: 48.041 ng
RT: 7.039 min Scan# 842
Delta R.T. -0.006 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

Tgt Ion: 45 Resp: 879539
Ion Ratio Lower Upper
45 100
77 14.9 0.0 30.6
79 12.8 0.0 28.3

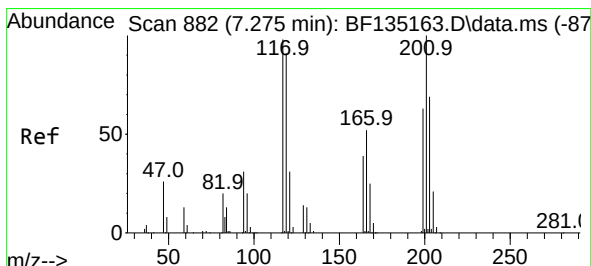
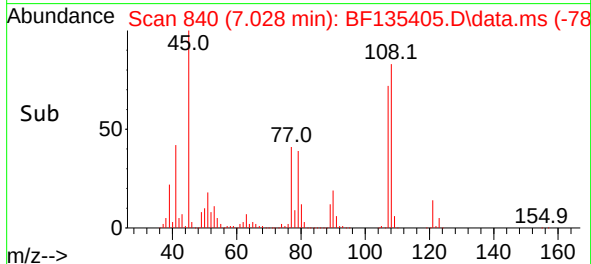
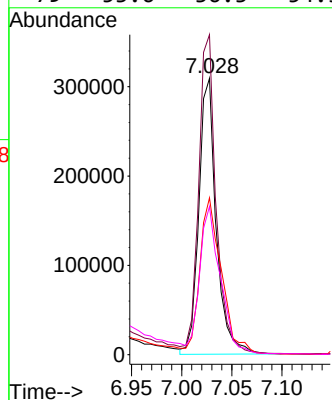
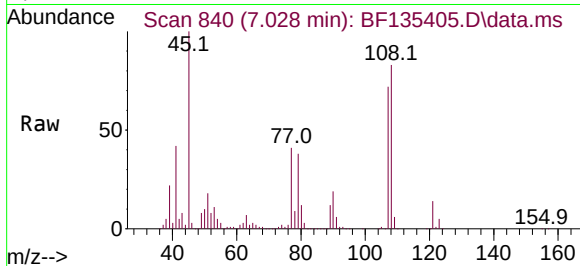




#17
2-Methylphenol
Concen: 42.836 ng
RT: 7.028 min Scan# 840
Delta R.T. 0.006 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

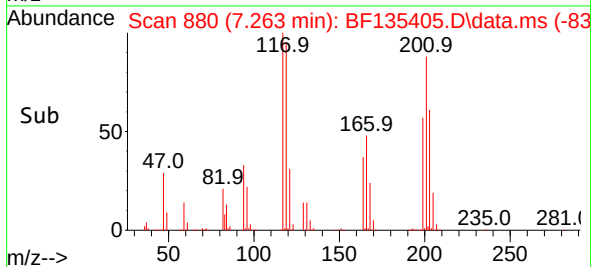
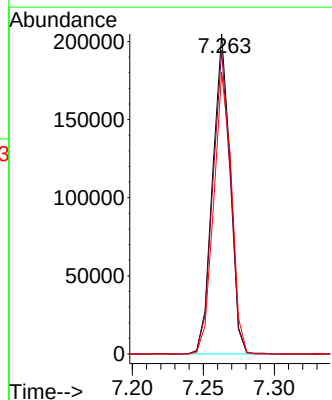
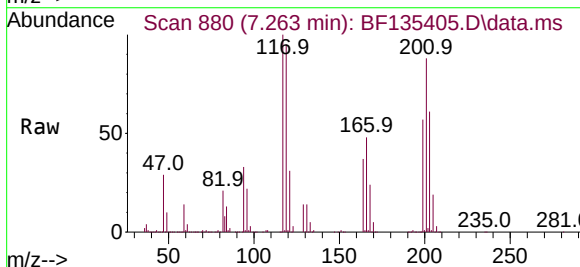
Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMSD

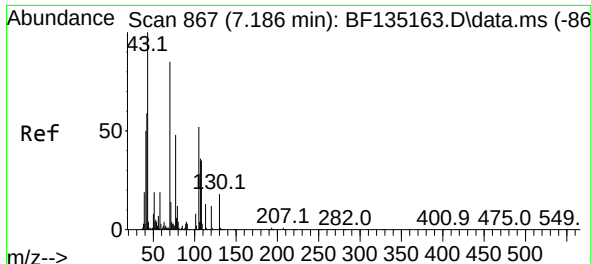
Tgt Ion:	107	Resp:	374756
Ion	Ratio	Lower	Upper
107	100		
108	115.8	92.0	138.0
77	56.8	36.7	55.1#
79	53.6	36.3	54.5



#18
Hexachloroethane
Concen: 46.466 ng
RT: 7.263 min Scan# 880
Delta R.T. -0.012 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

Tgt Ion:	117	Resp:	175992
Ion	Ratio	Lower	Upper
117	100		
119	94.9	74.7	112.1
201	88.1	81.8	122.8





#19

n-Nitroso-di-n-propylamine

Concen: 43.559 ng

RT: 7.181 min Scan# 866

Delta R.T. -0.006 min

Lab File: BF135405.D

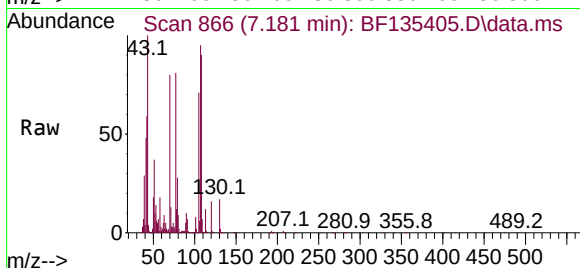
Acq: 22 Sep 2023 18:06

Instrument :

BNA_F

ClientSampleId :

H-2313-SOILMSD



Tgt Ion: 70 Resp: 318603

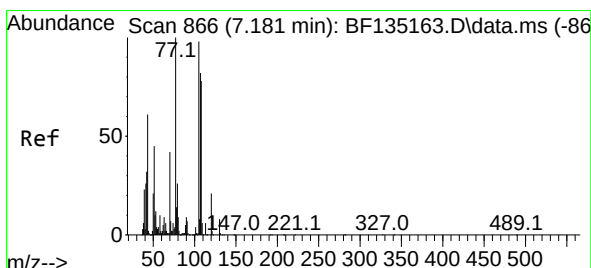
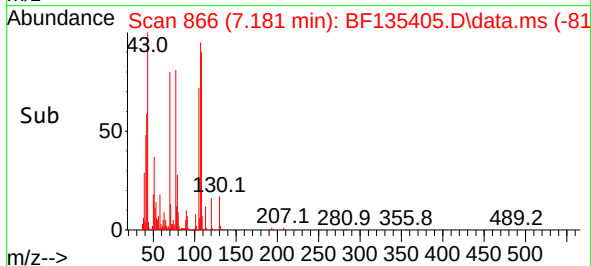
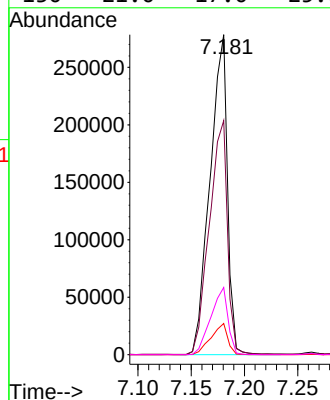
Ion Ratio Lower Upper

70 100

42 73.2 55.4 83.0

101 9.8 7.7 11.5

130 21.0 17.0 25.6



#20

3+4-Methylphenols

Concen: 40.995 ng

RT: 7.181 min Scan# 866

Delta R.T. 0.000 min

Lab File: BF135405.D

Acq: 22 Sep 2023 18:06

Tgt Ion: 107 Resp: 431258

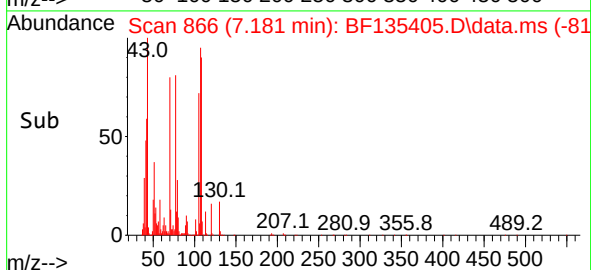
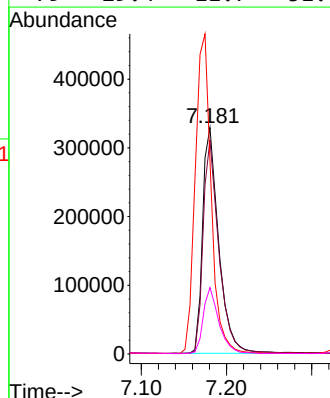
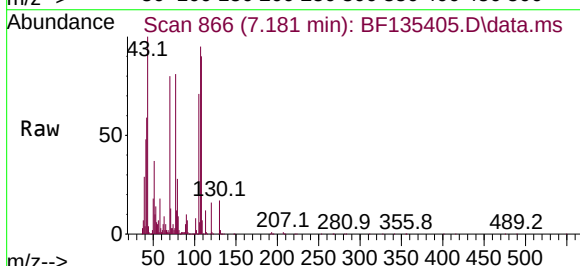
Ion Ratio Lower Upper

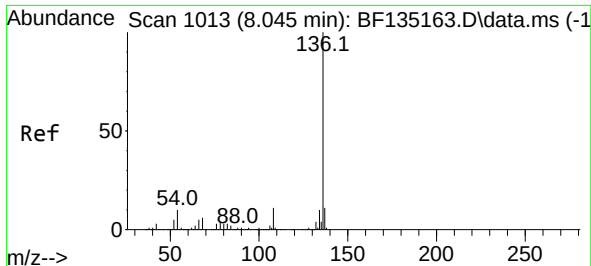
107 100

108 94.5 74.7 114.7

77 85.4 102.0 142.0#

79 29.4 11.7 51.7

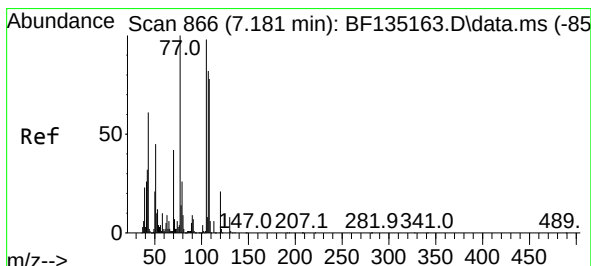
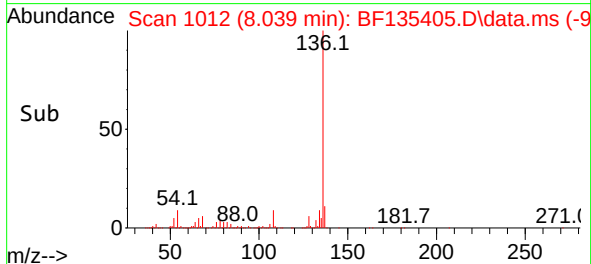
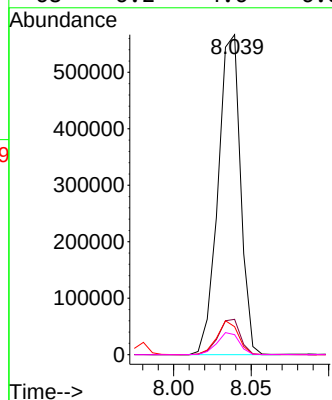
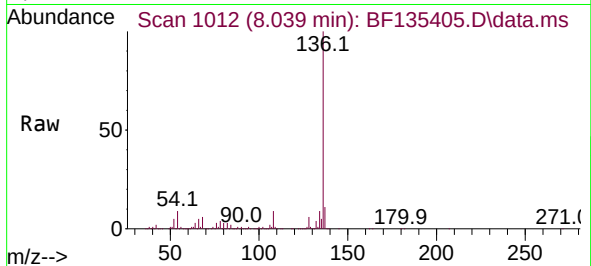




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.039 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

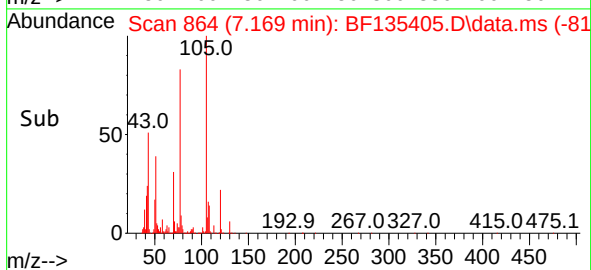
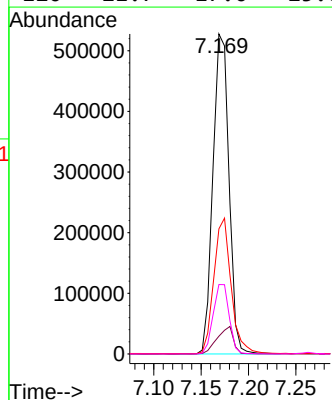
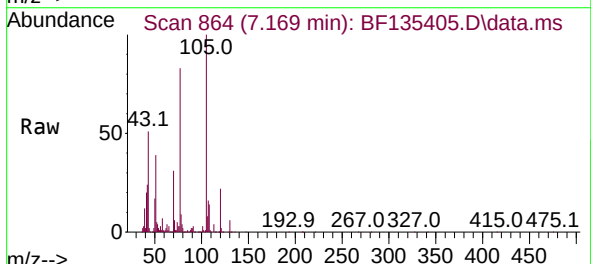
Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMSD

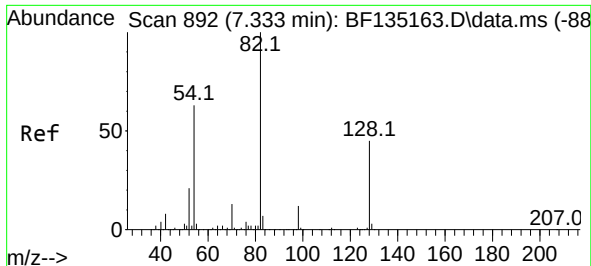
Tgt Ion:136 Resp: 570887
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.8 7.7 11.5
68 6.2 4.6 6.8



#22
Acetophenone
Concen: 47.739 ng
RT: 7.169 min Scan# 864
Delta R.T. -0.012 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

Tgt Ion:105 Resp: 623087
Ion Ratio Lower Upper
105 100
71 5.6 5.8 8.6#
51 39.1 37.0 55.4
120 21.7 17.0 25.6





#23

Nitrobenzene-d5

Concen: 93.642 ng

RT: 7.328 min Scan# 891

Delta R.T. -0.006 min

Lab File: BF135405.D

Acq: 22 Sep 2023 18:06

Instrument :

BNA_F

ClientSampleId :

H-2313-SOILMSD

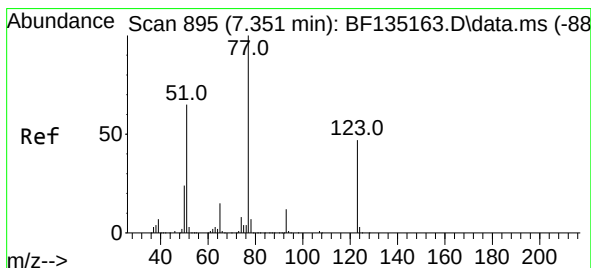
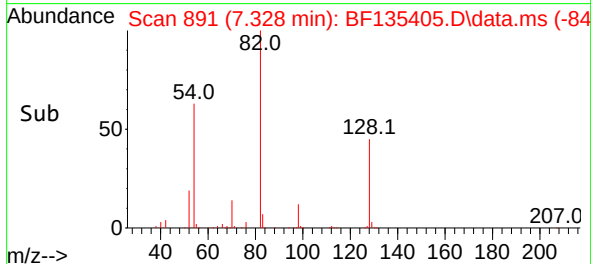
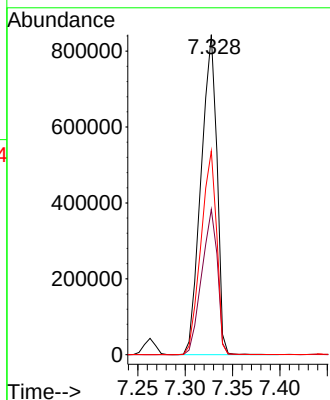
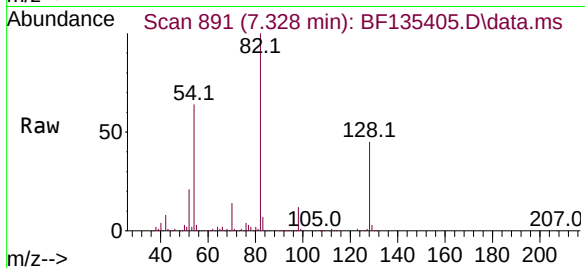
Tgt Ion: 82 Resp: 983978

Ion Ratio Lower Upper

82 100

128 45.4 35.8 53.6

54 63.7 50.6 76.0



#24

Nitrobenzene

Concen: 49.221 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.006 min

Lab File: BF135405.D

Acq: 22 Sep 2023 18:06

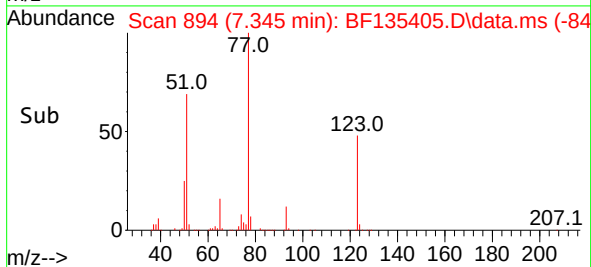
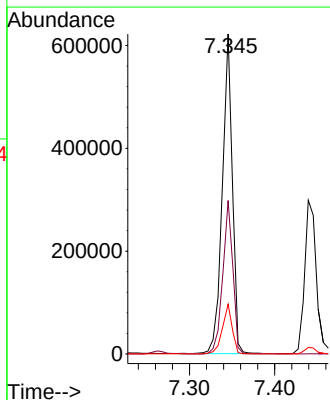
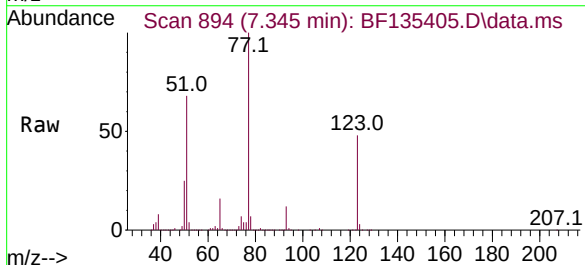
Tgt Ion: 77 Resp: 511205

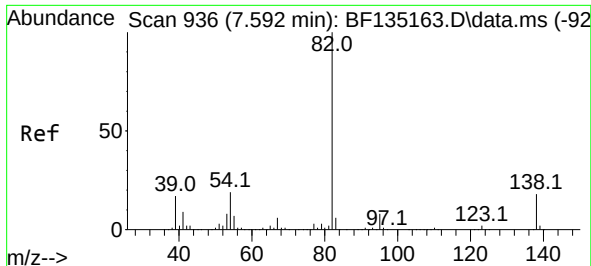
Ion Ratio Lower Upper

77 100

123 47.9 37.6 56.4

65 15.5 12.2 18.4

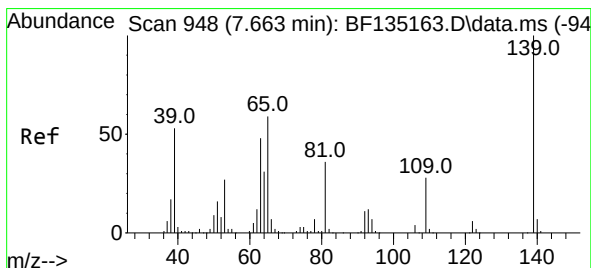
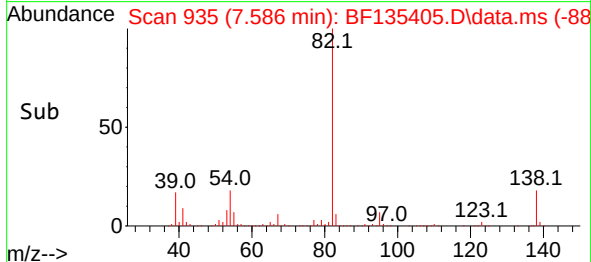
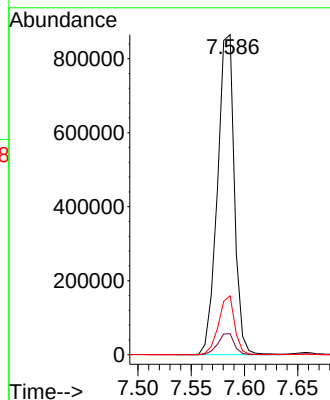
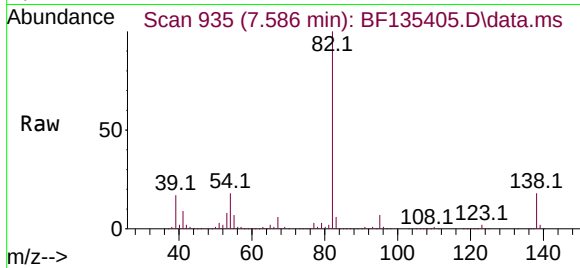




#25
Isophorone
Concen: 49.264 ng
RT: 7.586 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

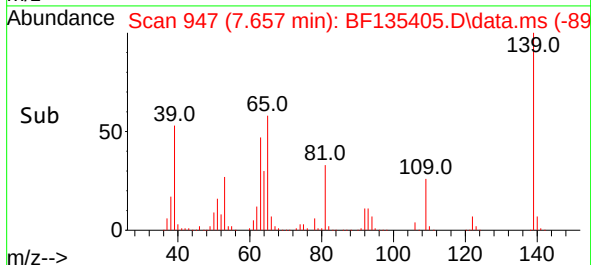
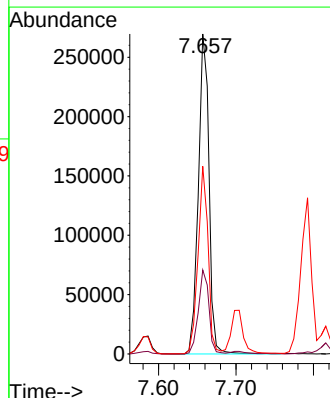
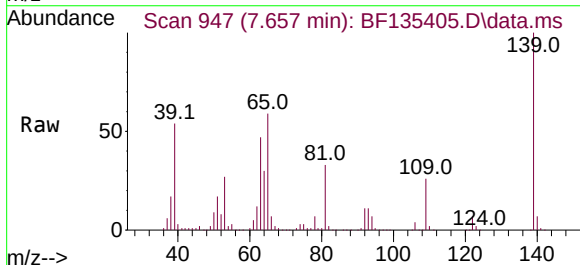
Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMSD

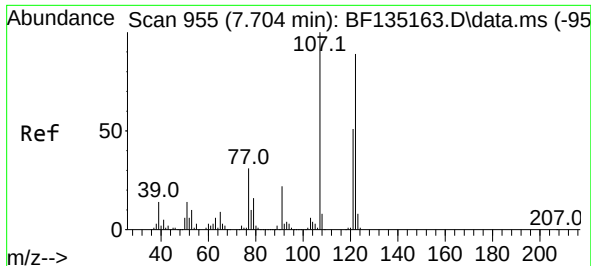
Tgt Ion: 82 Resp: 950564
Ion Ratio Lower Upper
82 100
95 6.6 6.0 9.0
138 18.4 14.5 21.7



#26
2-Nitrophenol
Concen: 51.713 ng
RT: 7.657 min Scan# 947
Delta R.T. -0.006 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

Tgt Ion: 139 Resp: 257774
Ion Ratio Lower Upper
139 100
109 26.2 22.6 33.8
65 58.7 47.0 70.4

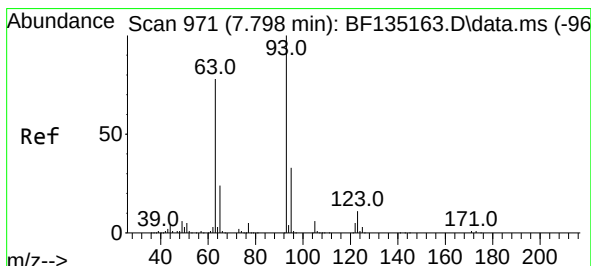
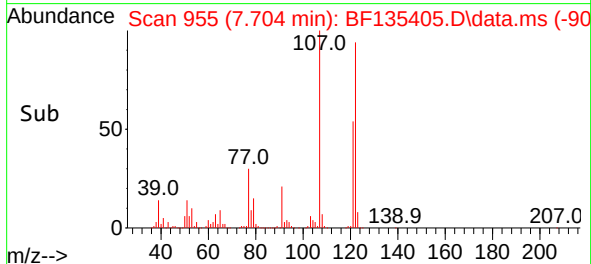
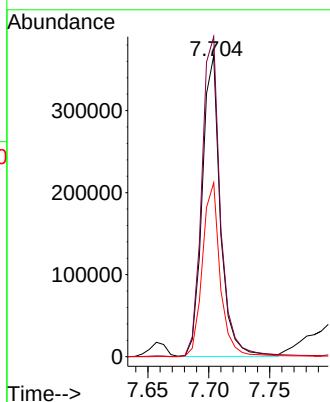
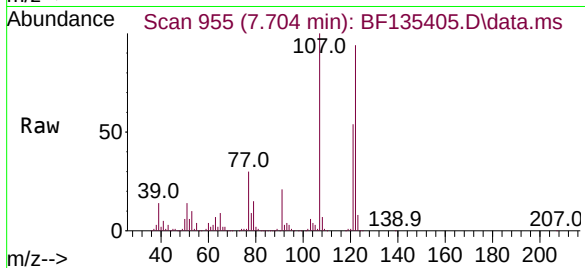




#27
2,4-Dimethylphenol
Concen: 45.281 ng
RT: 7.704 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

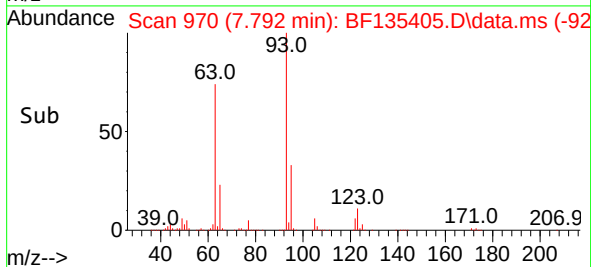
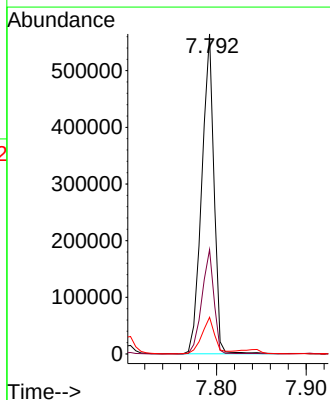
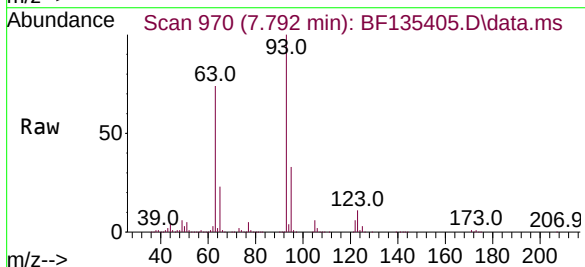
Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMSD

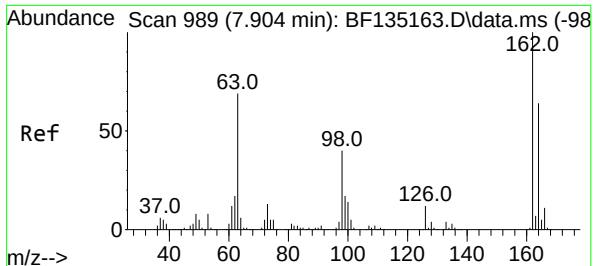
Tgt Ion:122 Resp: 379395
Ion Ratio Lower Upper
122 100
107 106.3 90.2 135.4
121 57.8 46.3 69.5



#28
bis(2-Chloroethoxy)methane
Concen: 46.241 ng
RT: 7.792 min Scan# 970
Delta R.T. -0.006 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

Tgt Ion: 93 Resp: 534027
Ion Ratio Lower Upper
93 100
95 32.6 26.2 39.2
123 11.5 8.8 13.2





#29

2,4-Dichlorophenol

Concen: 48.838 ng

RT: 7.904 min Scan# 989

Delta R.T. 0.000 min

Lab File: BF135405.D

Acq: 22 Sep 2023 18:06

Instrument :

BNA_F

ClientSampleId :

H-2313-SOILMSD

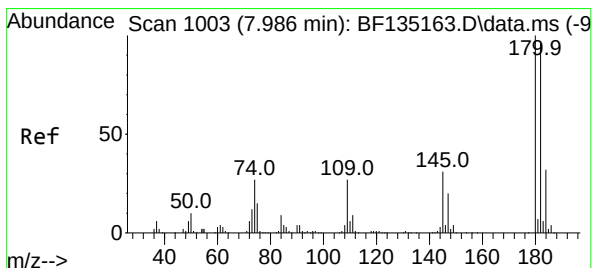
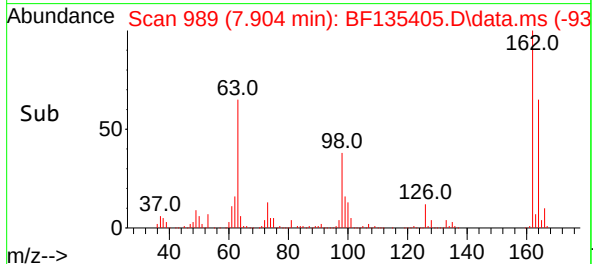
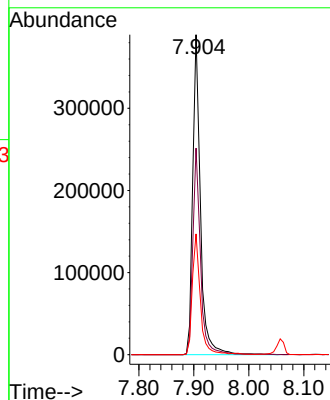
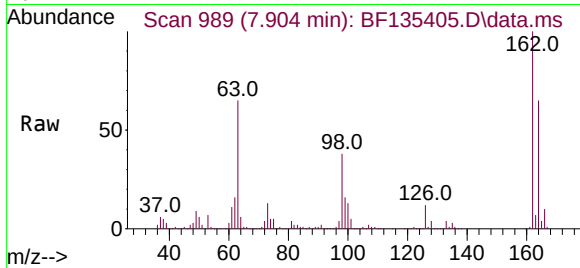
Tgt Ion:162 Resp: 379167

Ion Ratio Lower Upper

162 100

164 64.6 44.1 84.1

98 37.7 20.3 60.3



#30

1,2,4-Trichlorobenzene

Concen: 48.641 ng

RT: 7.980 min Scan# 1002

Delta R.T. -0.006 min

Lab File: BF135405.D

Acq: 22 Sep 2023 18:06

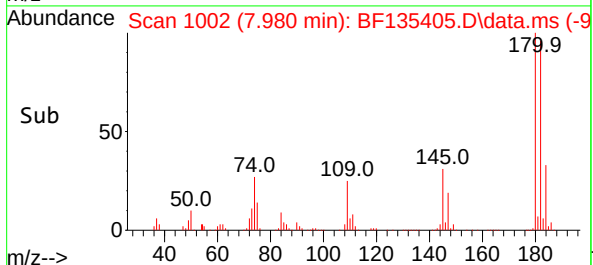
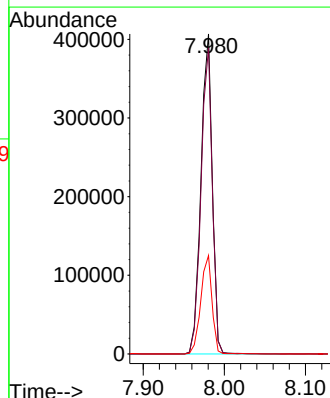
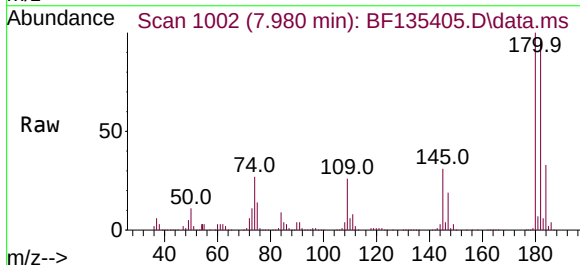
Tgt Ion:180 Resp: 394719

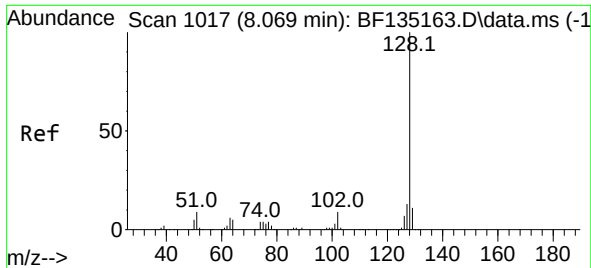
Ion Ratio Lower Upper

180 100

182 95.6 76.9 115.3

145 30.7 24.5 36.7

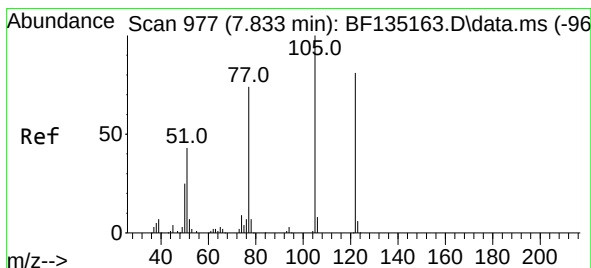
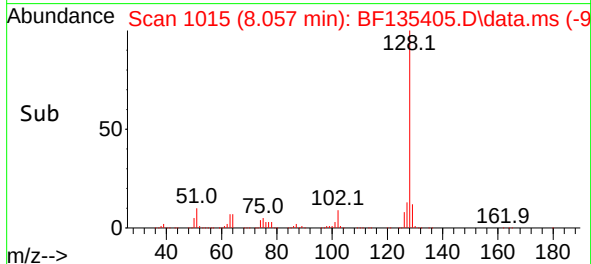
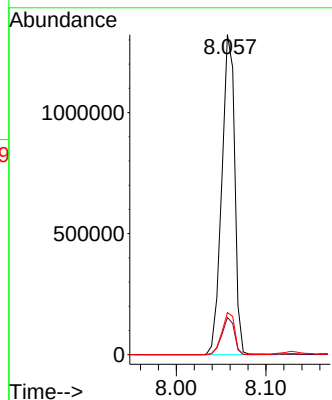
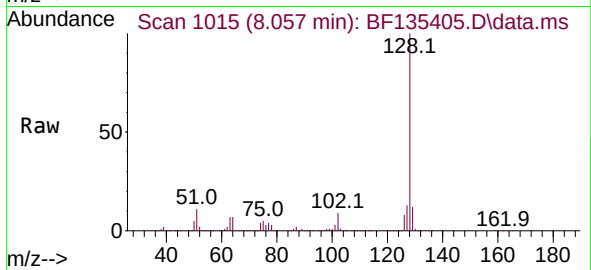




#31
Naphthalene
Concen: 47.760 ng
RT: 8.057 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

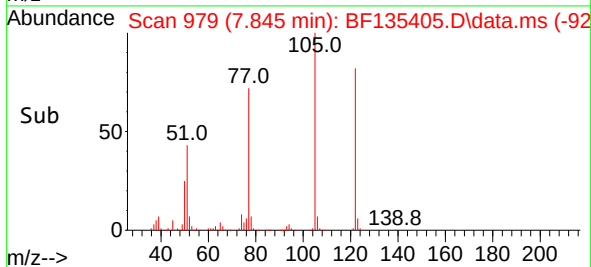
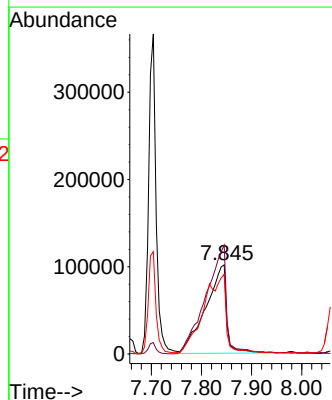
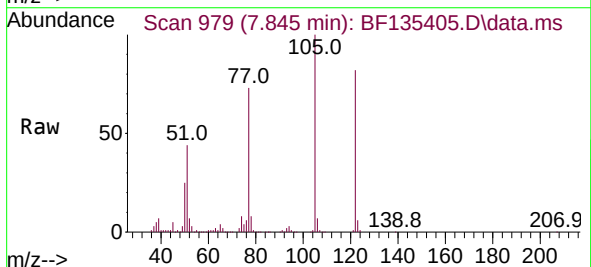
Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMSD

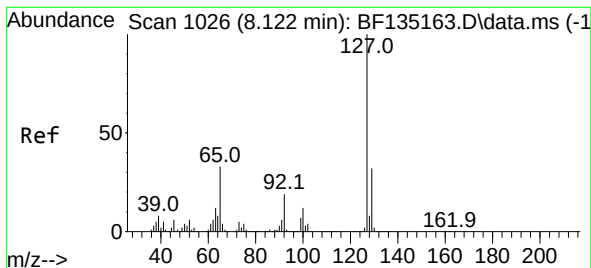
Tgt Ion:128 Resp: 1324749
Ion Ratio Lower Upper
128 100
129 11.7 8.7 13.1
127 13.2 10.7 16.1



#32
Benzoic acid
Concen: 46.648 ng
RT: 7.845 min Scan# 979
Delta R.T. 0.012 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

Tgt Ion:122 Resp: 294313
Ion Ratio Lower Upper
122 100
105 122.3 99.9 139.9
77 89.4 70.0 110.0





#33

4-Chloroaniline

Concen: 2.191 ng

RT: 8.128 min Scan# 1026

Delta R.T. 0.006 min

Lab File: BF135405.D

Acq: 22 Sep 2023 18:06

Instrument :

BNA_F

ClientSampleId :

H-2313-SOILMSD

Tgt Ion:127 Resp: 26663

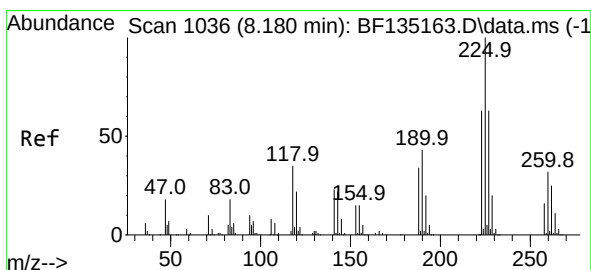
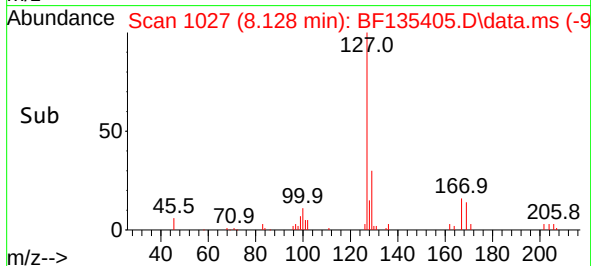
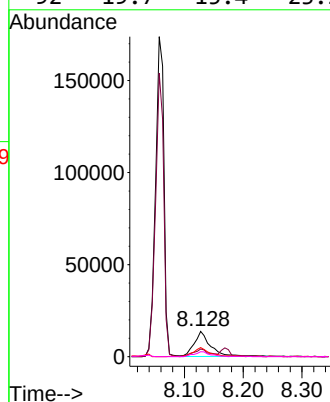
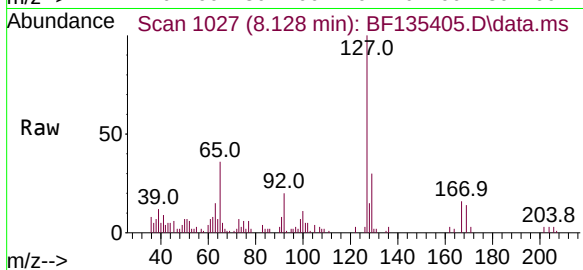
Ion Ratio Lower Upper

127 100

129 30.1 25.8 38.8

65 36.0 26.6 39.8

92 19.7 15.4 23.2



#34

Hexachlorobutadiene

Concen: 44.665 ng

RT: 8.169 min Scan# 1034

Delta R.T. -0.012 min

Lab File: BF135405.D

Acq: 22 Sep 2023 18:06

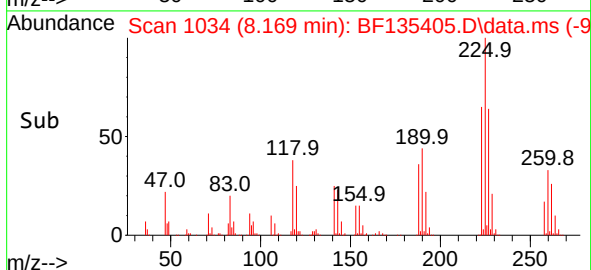
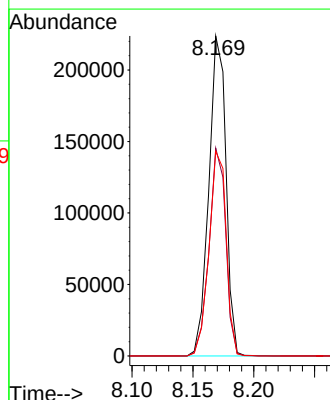
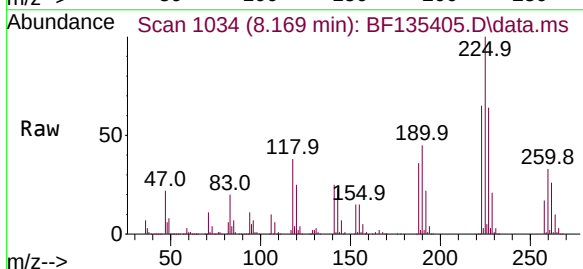
Tgt Ion:225 Resp: 218553

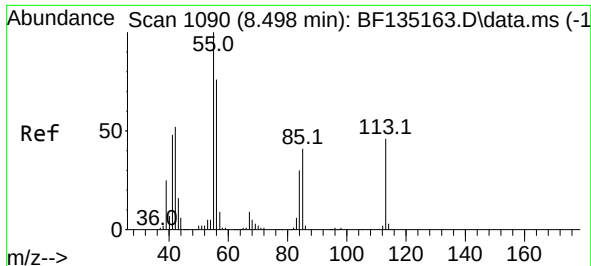
Ion Ratio Lower Upper

225 100

223 64.9 50.6 75.8

227 63.9 50.8 76.2

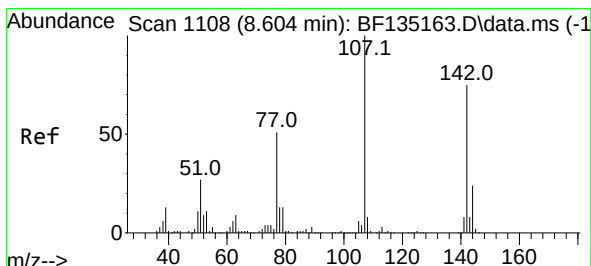
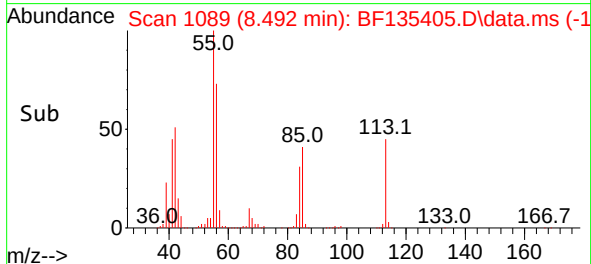
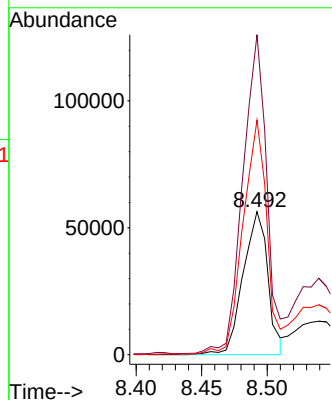
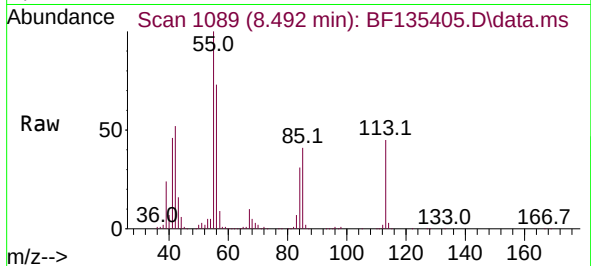




#35
Caprolactam
Concen: 28.341 ng
RT: 8.492 min Scan# 1109
Delta R.T. -0.006 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

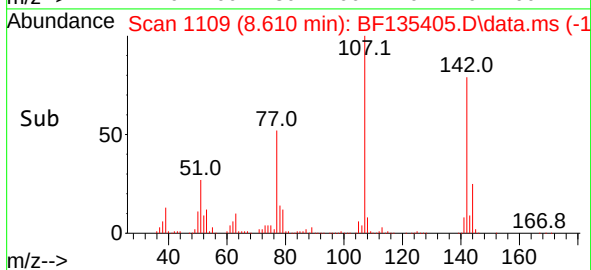
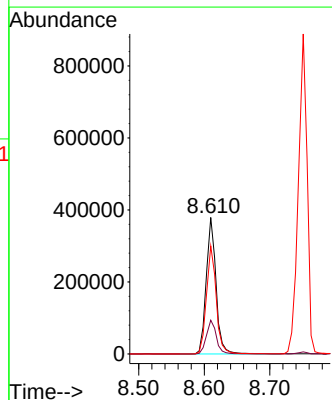
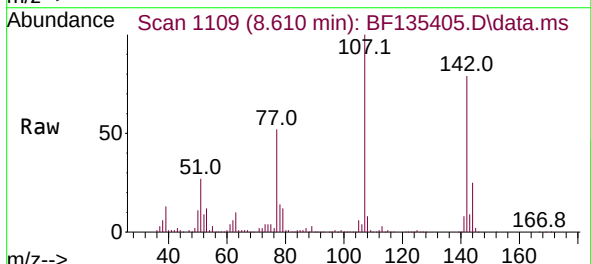
Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMSD

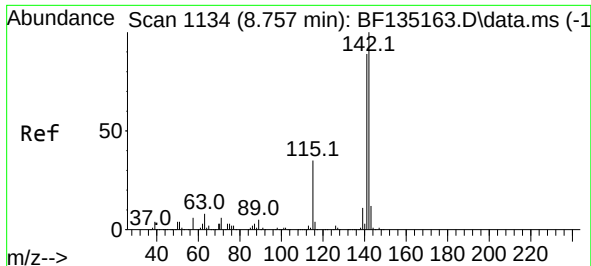
Tgt Ion:113 Resp: 73848
Ion Ratio Lower Upper
113 100
55 223.8 199.3 239.3
56 164.1 146.3 186.3



#36
4-Chloro-3-methylphenol
Concen: 45.910 ng
RT: 8.610 min Scan# 1109
Delta R.T. 0.006 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

Tgt Ion:107 Resp: 396151
Ion Ratio Lower Upper
107 100
144 24.7 19.0 28.4
142 79.2 60.2 90.2





#37

2-Methylnaphthalene

Concen: 44.555 ng

RT: 8.751 min Scan# 1134

Delta R.T. -0.006 min

Lab File: BF135405.D

Acq: 22 Sep 2023 18:06

Instrument :

BNA_F

ClientSampleId :

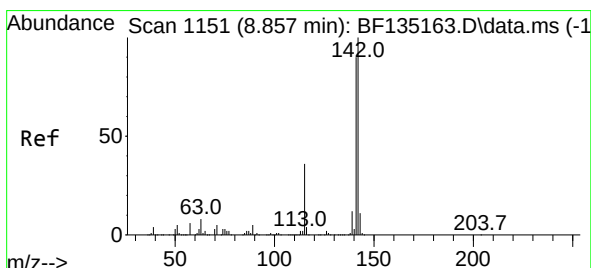
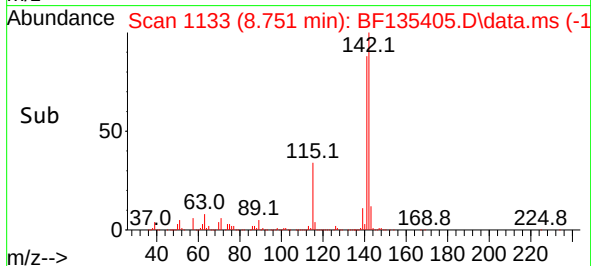
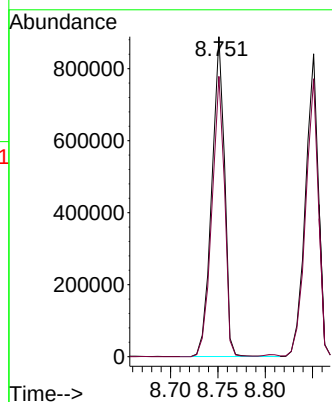
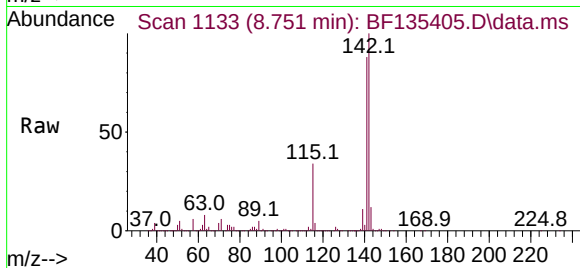
H-2313-SOILMSD

Tgt Ion:142 Resp: 830739

Ion Ratio Lower Upper

142 100

141 87.6 71.0 106.6



#38

1-Methylnaphthalene

Concen: 45.963 ng

RT: 8.851 min Scan# 1150

Delta R.T. -0.006 min

Lab File: BF135405.D

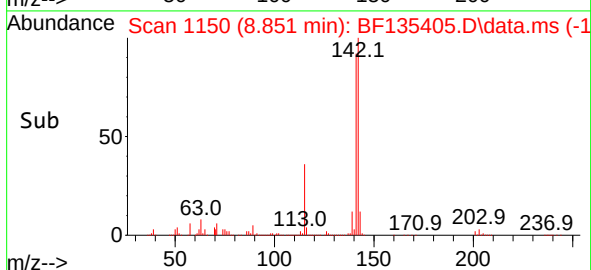
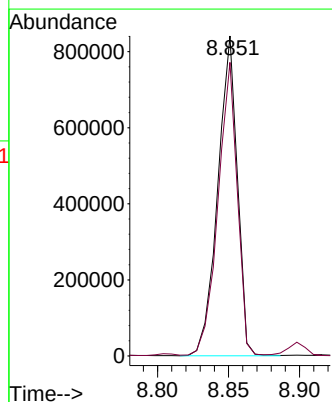
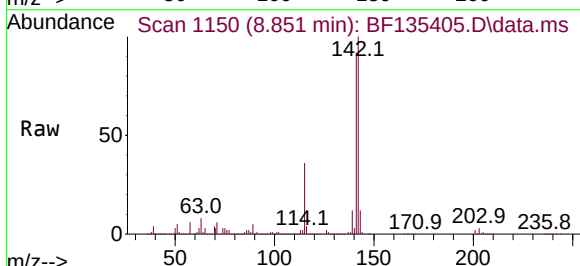
Acq: 22 Sep 2023 18:06

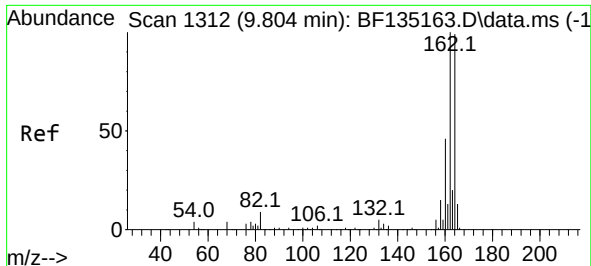
Tgt Ion:142 Resp: 802337

Ion Ratio Lower Upper

142 100

141 91.8 72.4 108.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.792 min Scan# 1161

Delta R.T. -0.012 min

Lab File: BF135405.D

Acq: 22 Sep 2023 18:06

Instrument :

BNA_F

ClientSampleId :

H-2313-SOILMSD

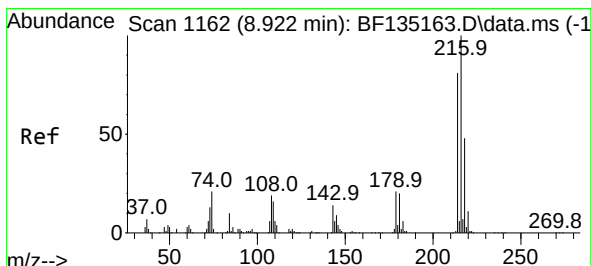
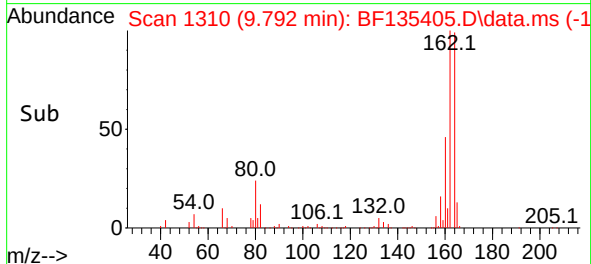
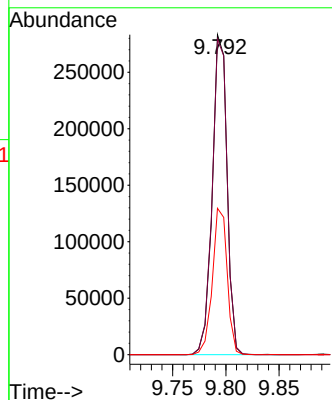
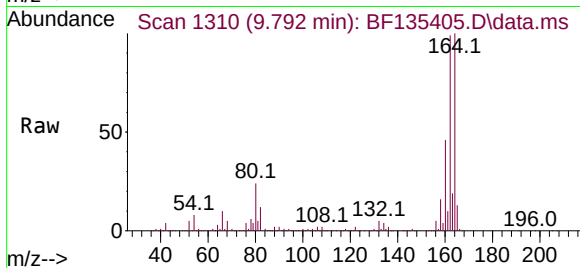
Tgt Ion:164 Resp: 272545

Ion Ratio Lower Upper

164 100

162 98.7 81.0 121.4

160 45.8 37.0 55.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 49.946 ng

RT: 8.916 min Scan# 1161

Delta R.T. -0.006 min

Lab File: BF135405.D

Acq: 22 Sep 2023 18:06

Tgt Ion:216 Resp: 394370

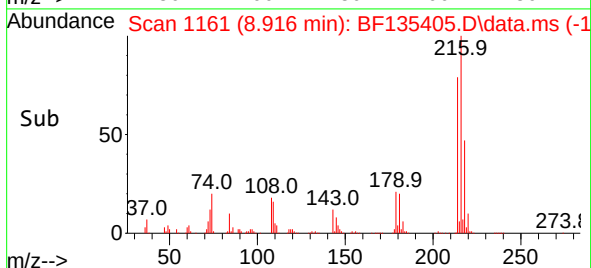
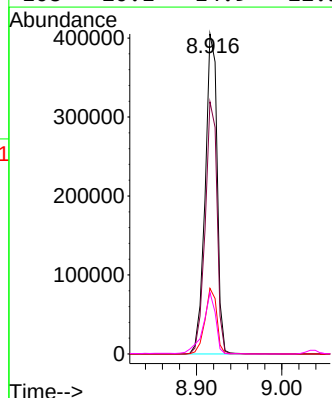
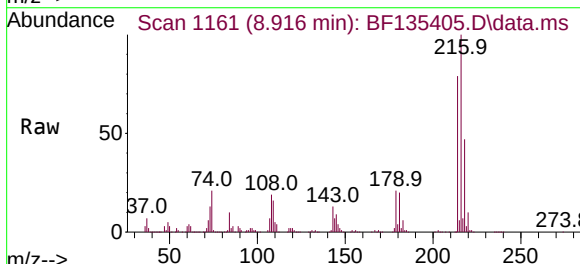
Ion Ratio Lower Upper

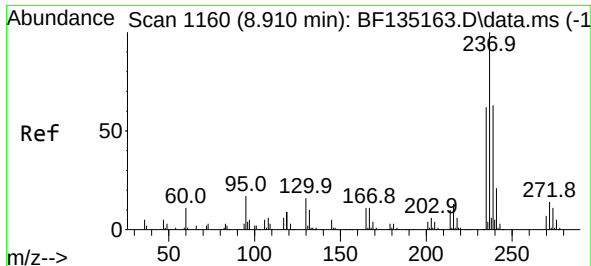
216 100

214 78.2 63.7 95.5

179 20.2 16.7 25.1

108 20.1 14.9 22.3

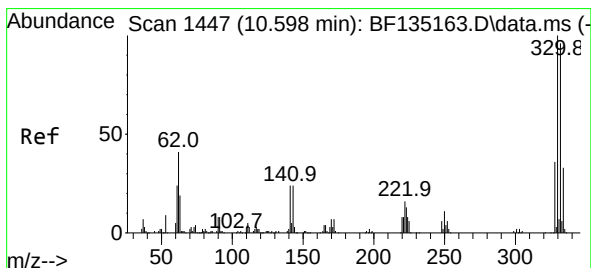
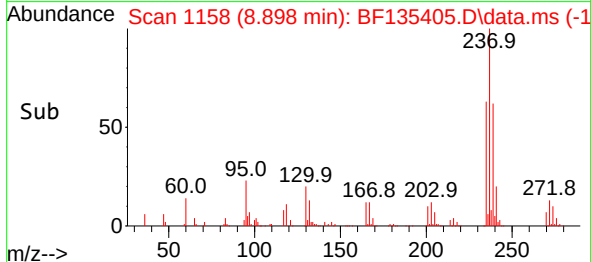
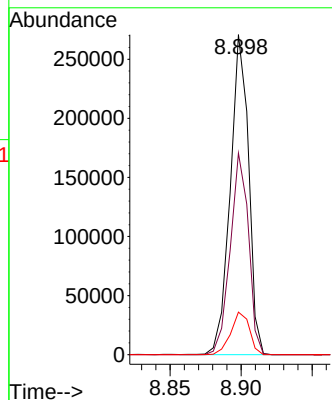
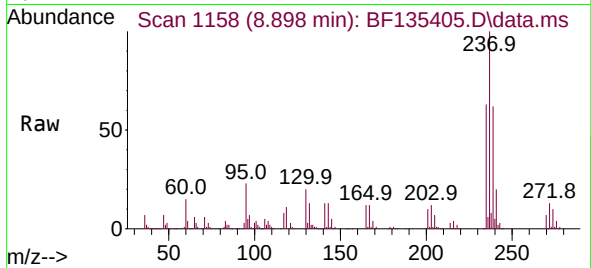




#41
Hexachlorocyclopentadiene
Concen: 70.862 ng
RT: 8.898 min Scan# 1158
Delta R.T. -0.012 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

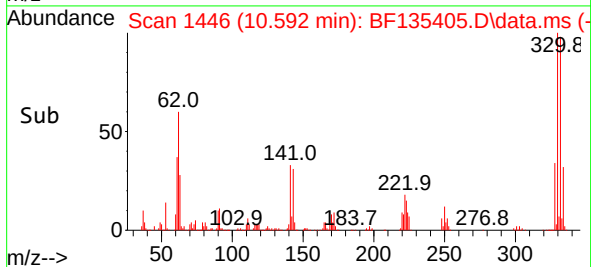
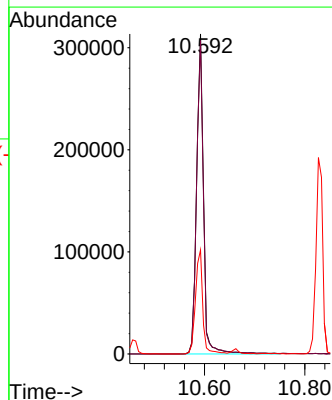
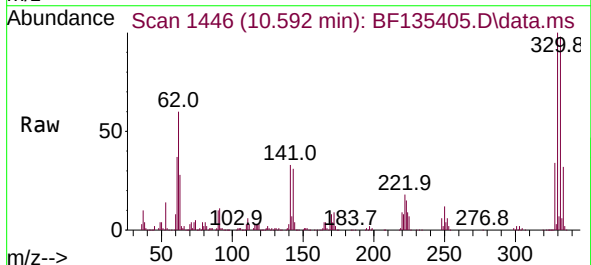
Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMSD

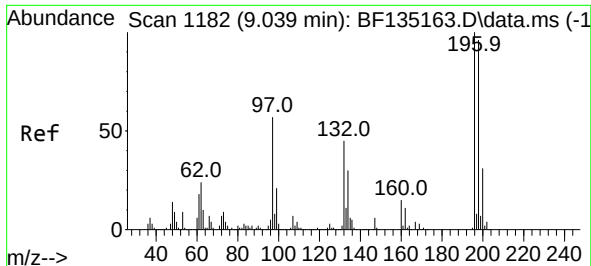
Tgt Ion:237 Resp: 243307
Ion Ratio Lower Upper
237 100
235 63.0 41.8 81.8
272 13.3 0.0 33.6



#42
2,4,6-Tribromophenol
Concen: 110.751 ng
RT: 10.592 min Scan# 1446
Delta R.T. -0.006 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

Tgt Ion:330 Resp: 299961
Ion Ratio Lower Upper
330 100
332 97.9 77.3 115.9
141 34.1 25.8 38.8

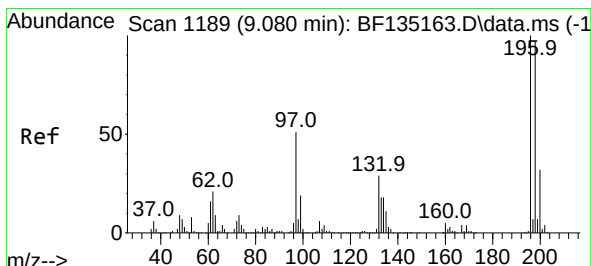
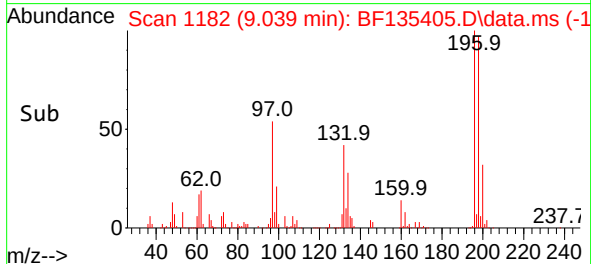
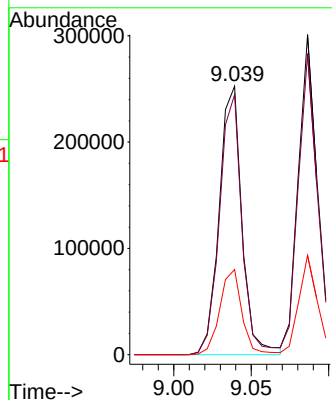
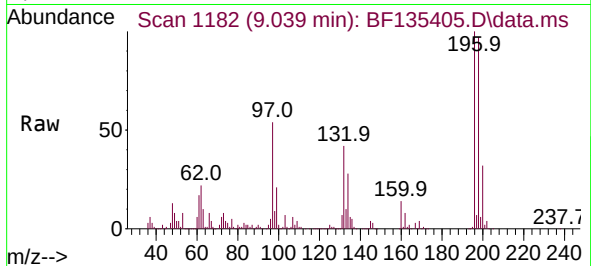




#43
2,4,6-Trichlorophenol
Concen: 50.025 ng
RT: 9.039 min Scan# 1182
Delta R.T. 0.000 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

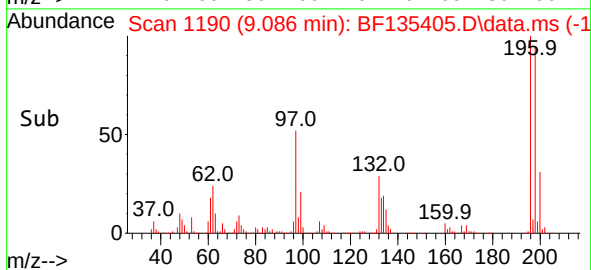
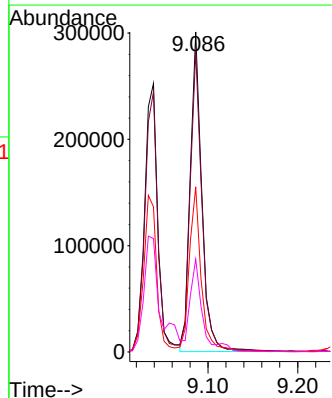
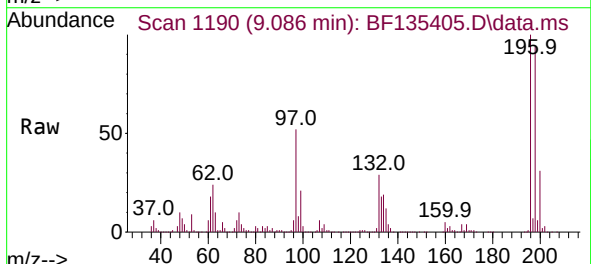
Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMSD

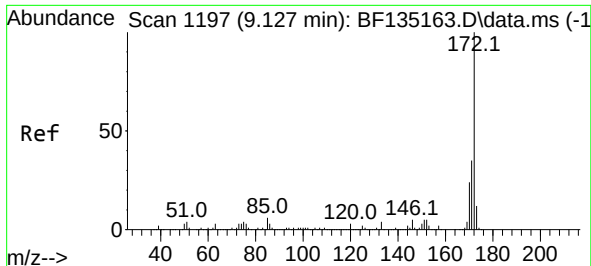
Tgt Ion:196 Resp: 258616
Ion Ratio Lower Upper
196 100
198 96.9 77.0 115.6
200 31.7 24.5 36.7



#44
2,4,5-Trichlorophenol
Concen: 45.458 ng
RT: 9.086 min Scan# 1190
Delta R.T. 0.006 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

Tgt Ion:196 Resp: 270635
Ion Ratio Lower Upper
196 100
198 94.0 77.5 116.3
97 51.6 40.5 60.7
132 29.0 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 86.284 ng

RT: 9.116 min Scan# 1195

Delta R.T. -0.012 min

Lab File: BF135405.D

Acq: 22 Sep 2023 18:06

Instrument :

BNA_F

ClientSampleId :

H-2313-SOILMSD

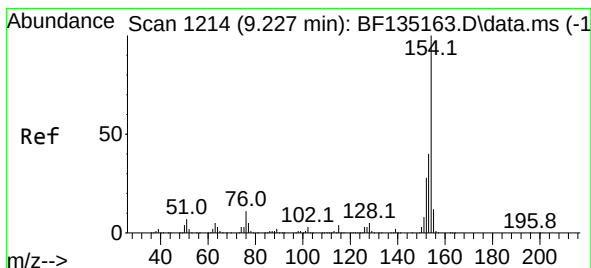
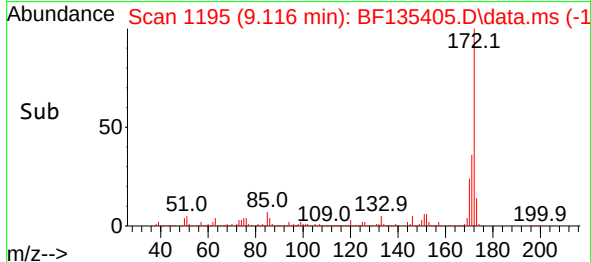
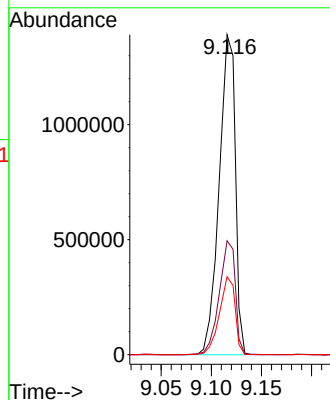
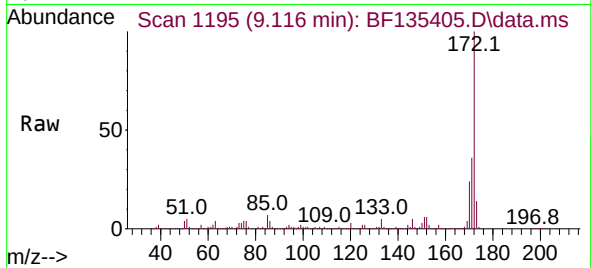
Tgt Ion:172 Resp: 1558687

Ion Ratio Lower Upper

172 100

171 35.6 28.4 42.6

170 24.4 19.0 28.4



#46

1,1'-Biphenyl

Concen: 49.222 ng

RT: 9.216 min Scan# 1212

Delta R.T. -0.012 min

Lab File: BF135405.D

Acq: 22 Sep 2023 18:06

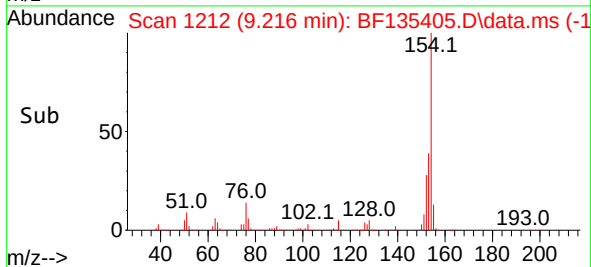
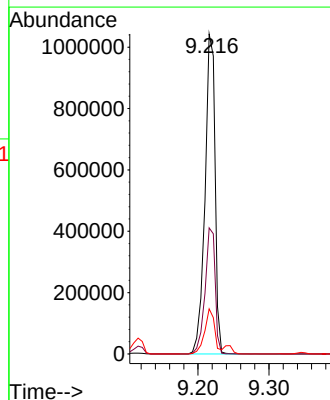
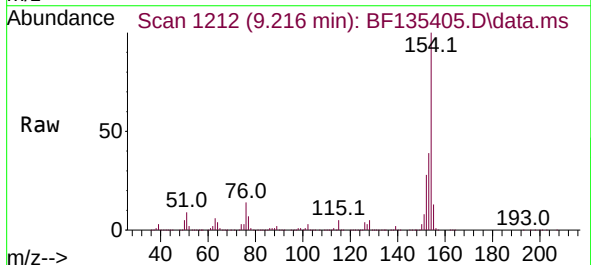
Tgt Ion:154 Resp: 1030936

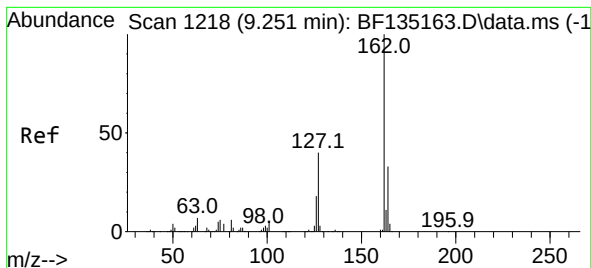
Ion Ratio Lower Upper

154 100

153 39.4 19.6 59.6

76 14.1 0.0 31.0





#47

2-Chloronaphthalene

Concen: 51.575 ng

RT: 9.245 min Scan# 1217

Delta R.T. -0.006 min

Lab File: BF135405.D

Acq: 22 Sep 2023 18:06

Instrument :

BNA_F

ClientSampleId :

H-2313-SOILMSD

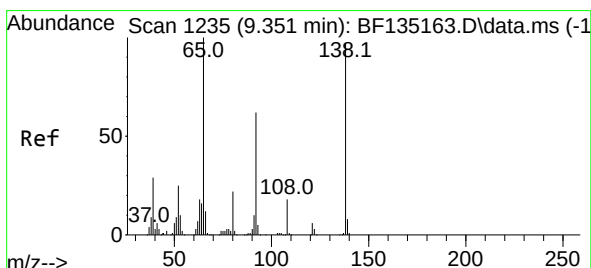
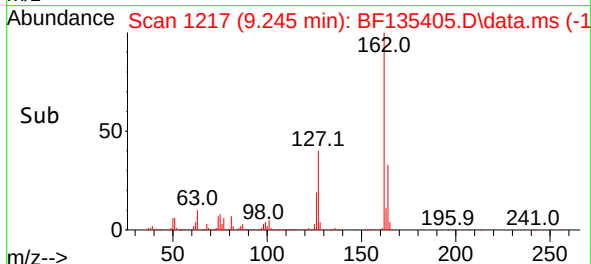
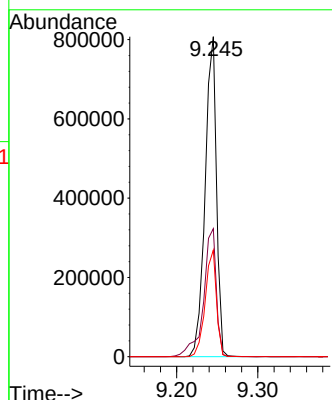
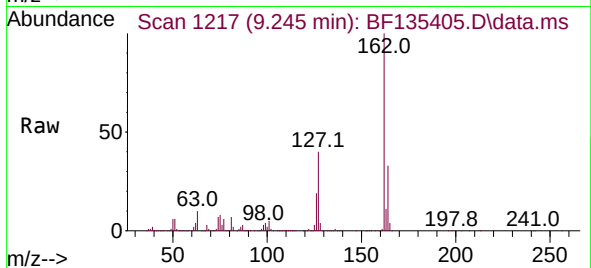
Tgt Ion:162 Resp: 783767

Ion Ratio Lower Upper

162 100

127 40.0 32.6 48.8

164 33.3 26.2 39.2



#48

2-Nitroaniline

Concen: 35.541 ng

RT: 9.345 min Scan# 1234

Delta R.T. -0.006 min

Lab File: BF135405.D

Acq: 22 Sep 2023 18:06

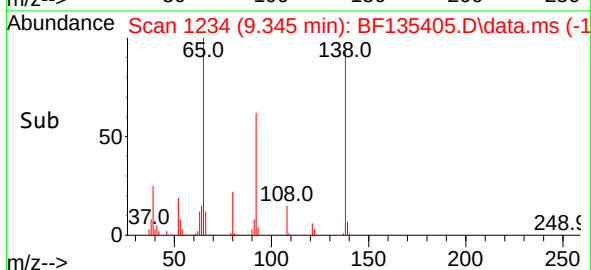
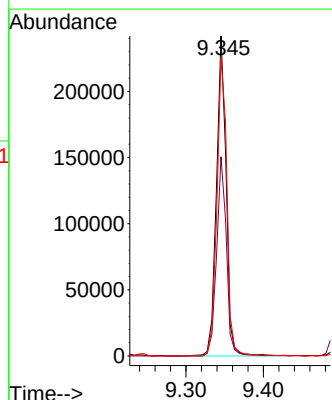
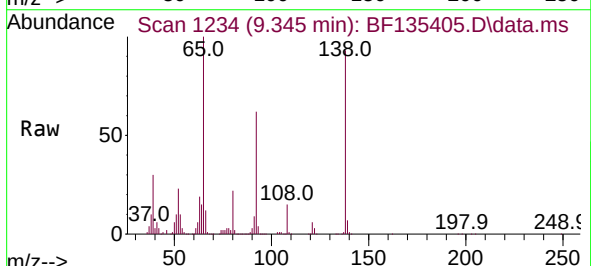
Tgt Ion: 65 Resp: 209825

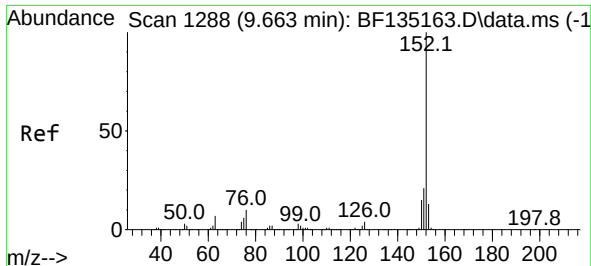
Ion Ratio Lower Upper

65 100

92 62.3 49.4 74.0

138 93.2 77.4 116.0





#49

Acenaphthylene

Concen: 48.018 ng

RT: 9.657 min Scan# 1287

Delta R.T. -0.006 min

Lab File: BF135405.D

Acq: 22 Sep 2023 18:06

Instrument :

BNA_F

ClientSampleId :

H-2313-SOILMSD

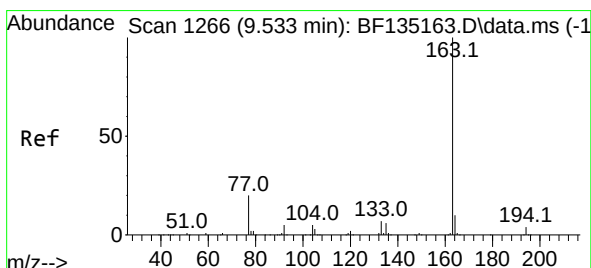
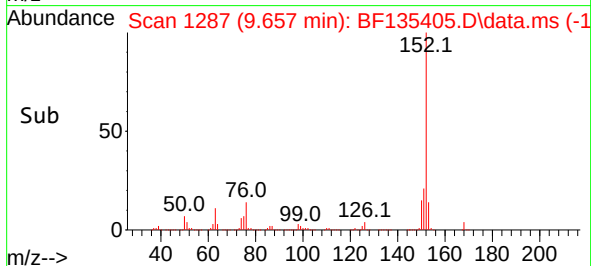
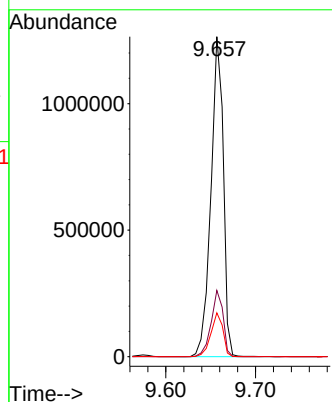
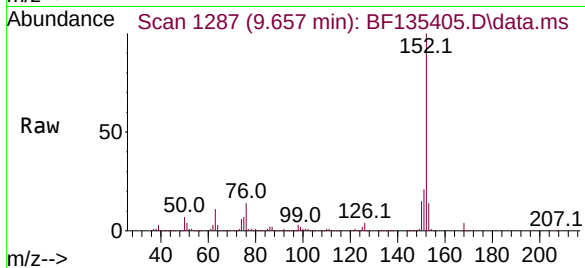
Tgt Ion:152 Resp: 1212724

Ion Ratio Lower Upper

152 100

151 20.7 16.4 24.6

153 13.7 10.4 15.6



#50

Dimethylphthalate

Concen: 50.896 ng

RT: 9.527 min Scan# 1265

Delta R.T. -0.006 min

Lab File: BF135405.D

Acq: 22 Sep 2023 18:06

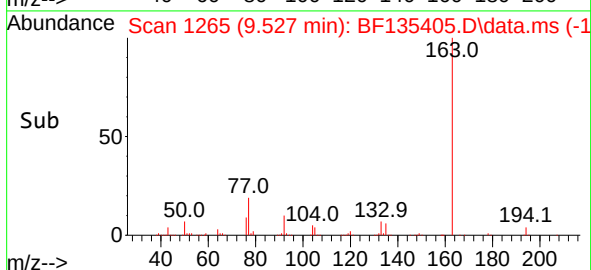
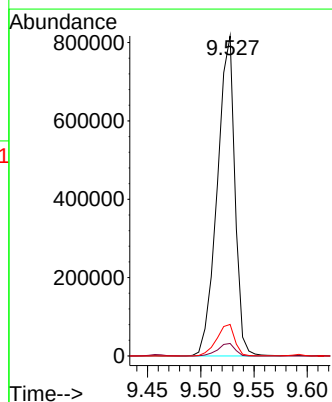
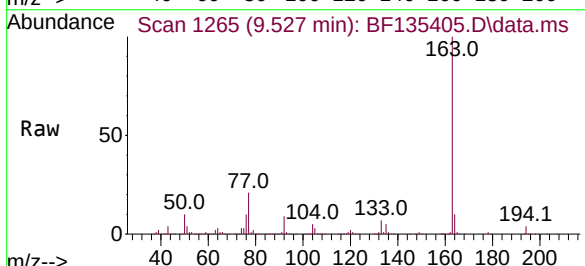
Tgt Ion:163 Resp: 937851

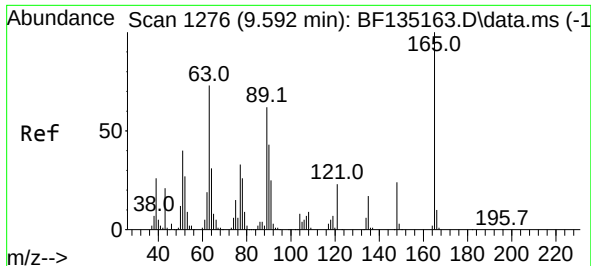
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

164 9.9 8.1 12.1





#51

2,6-Dinitrotoluene

Concen: 50.117 ng

RT: 9.592 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF135405.D

Acq: 22 Sep 2023 18:06

Instrument :

BNA_F

ClientSampleId :

H-2313-SOILMSD

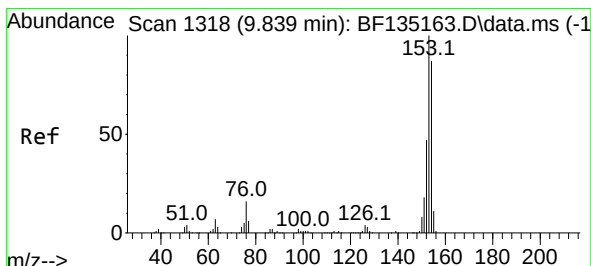
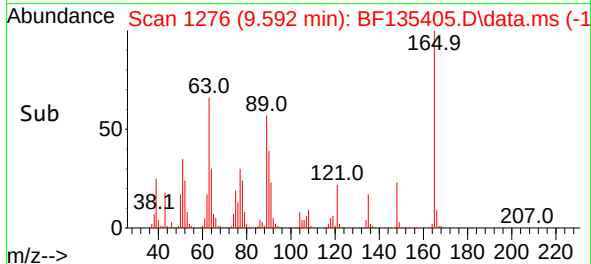
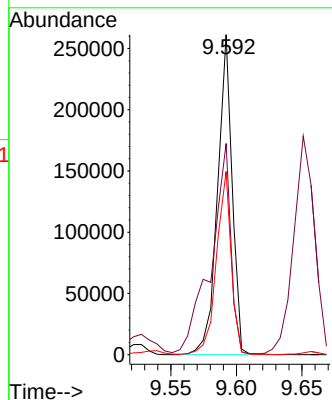
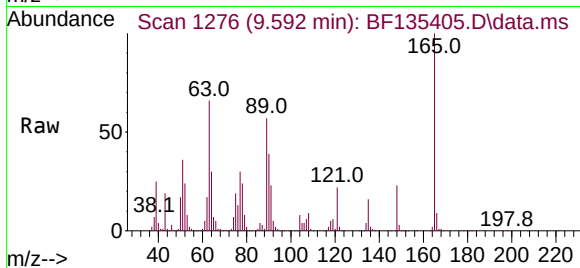
Tgt Ion:165 Resp: 202309

Ion Ratio Lower Upper

165 100

63 66.0 59.4 89.2

89 57.3 49.8 74.8



#52

Acenaphthene

Concen: 48.373 ng

RT: 9.827 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF135405.D

Acq: 22 Sep 2023 18:06

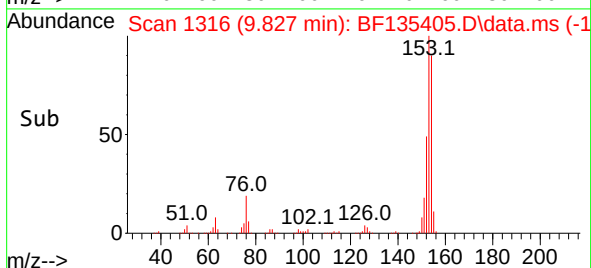
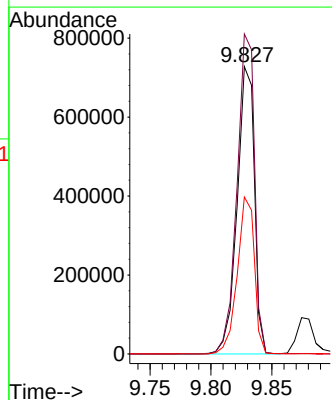
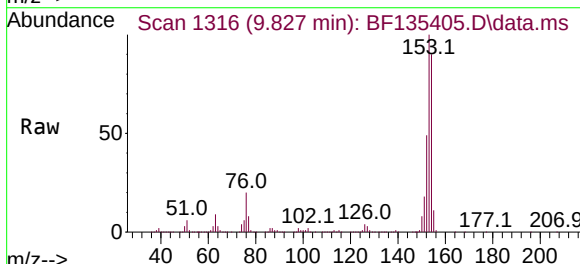
Tgt Ion:154 Resp: 721701

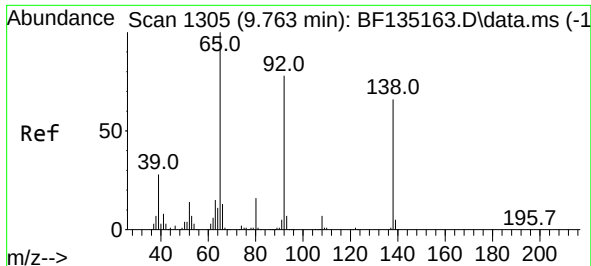
Ion Ratio Lower Upper

154 100

153 111.3 92.1 138.1

152 54.6 43.1 64.7

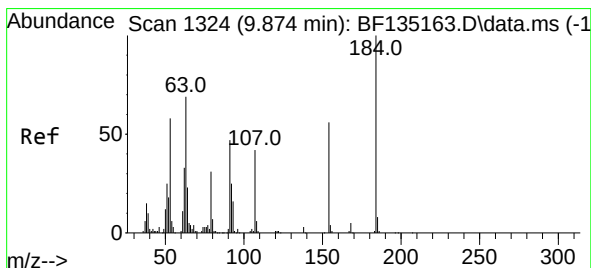
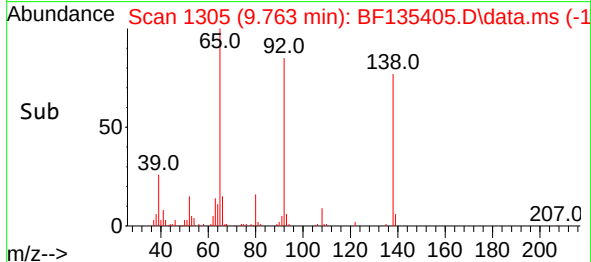
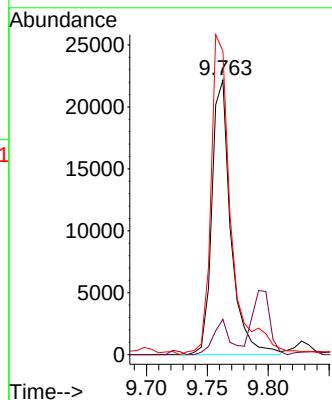
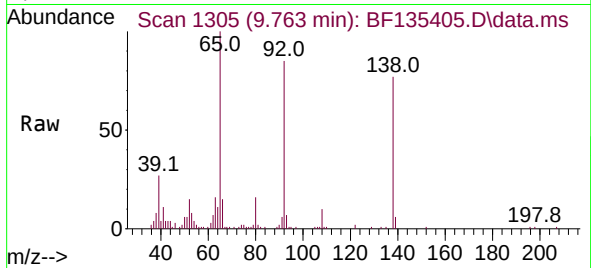




#53
3-Nitroaniline
Concen: 5.081 ng
RT: 9.763 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

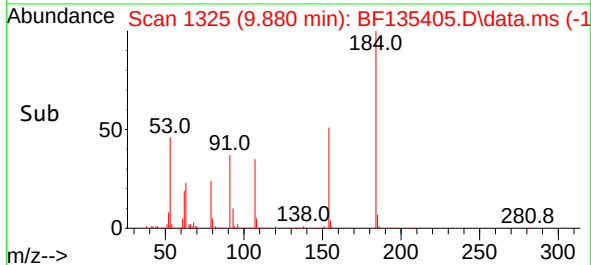
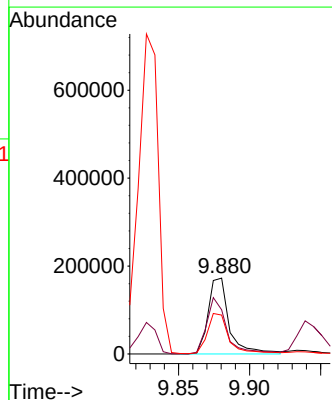
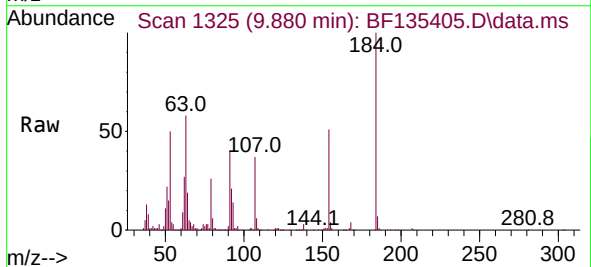
Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMSD

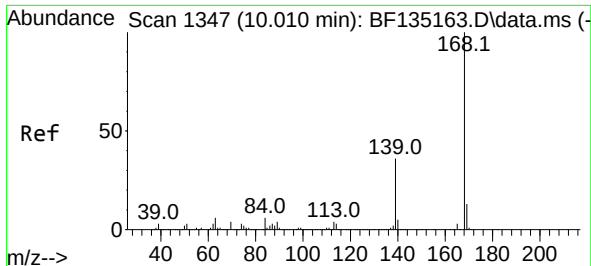
Tgt Ion:138 Resp: 24075
Ion Ratio Lower Upper
138 100
108 12.9 8.5 12.7#
92 110.5 95.4 143.0



#54
2,4-Dinitrophenol
Concen: 77.812 ng
RT: 9.880 min Scan# 1325
Delta R.T. 0.006 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

Tgt Ion:184 Resp: 177891
Ion Ratio Lower Upper
184 100
63 58.1 55.1 82.7
154 51.2 48.4 72.6

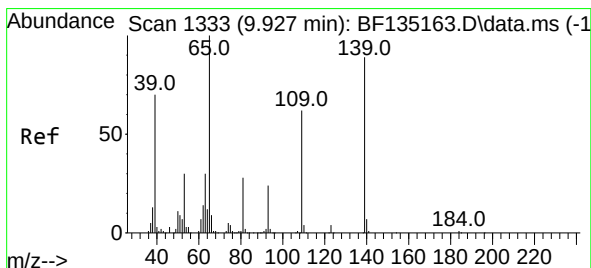
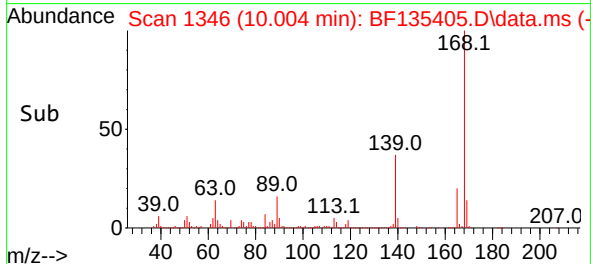
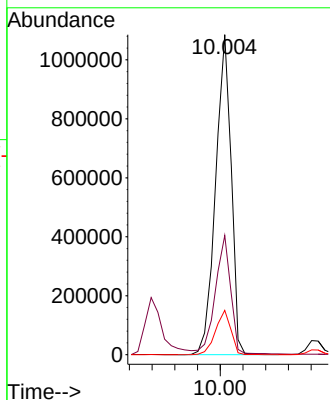
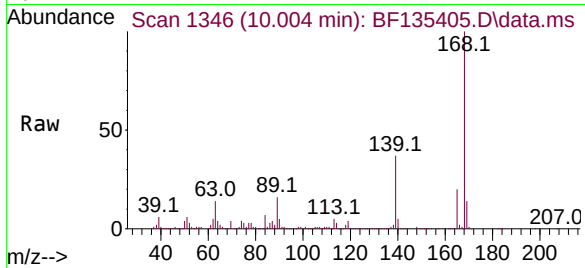




#55
Dibenzenofuran
Concen: 45.294 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

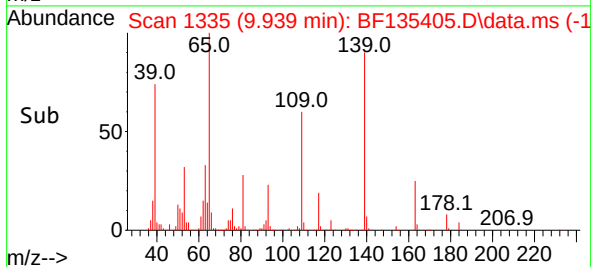
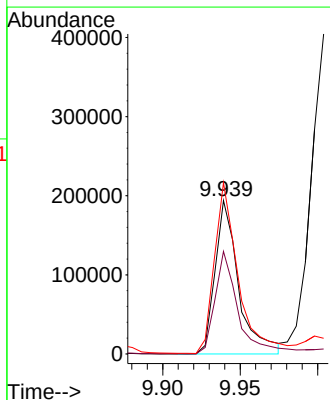
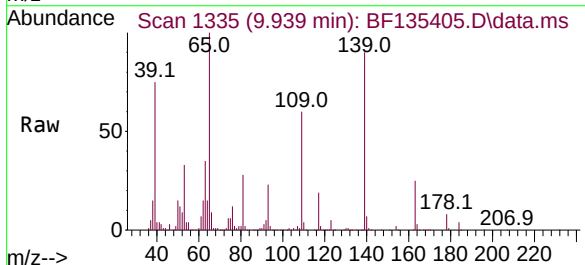
Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMSD

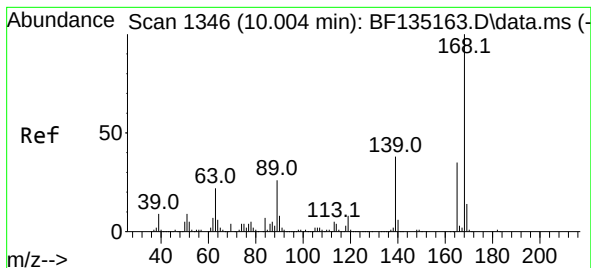
Tgt Ion:168 Resp: 1031207
Ion Ratio Lower Upper
168 100
139 37.3 29.0 43.6
169 13.9 10.4 15.6



#56
4-Nitrophenol
Concen: 68.122 ng
RT: 9.939 min Scan# 1335
Delta R.T. 0.012 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

Tgt Ion:139 Resp: 205150
Ion Ratio Lower Upper
139 100
109 66.9 49.8 89.8
65 111.7 92.7 132.7

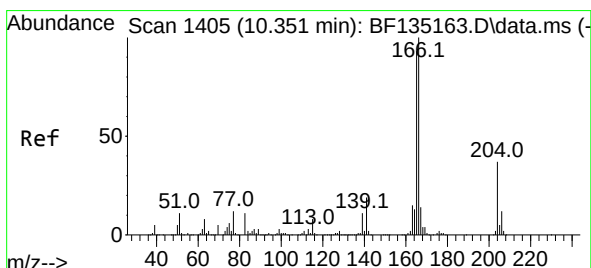
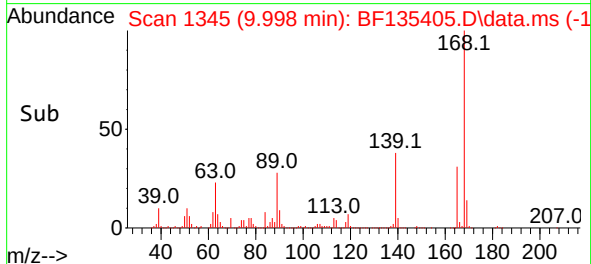
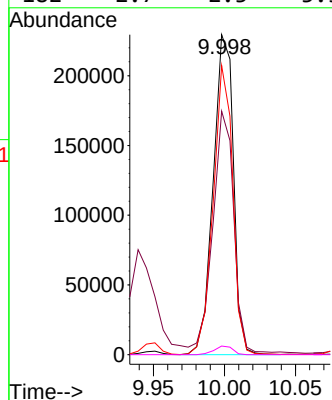
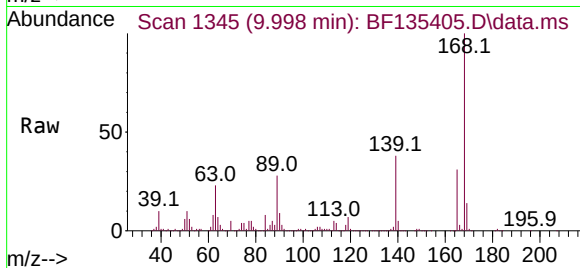




#57
2,4-Dinitrotoluene
Concen: 45.026 ng
RT: 9.998 min Scan# 1345
Delta R.T. -0.006 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

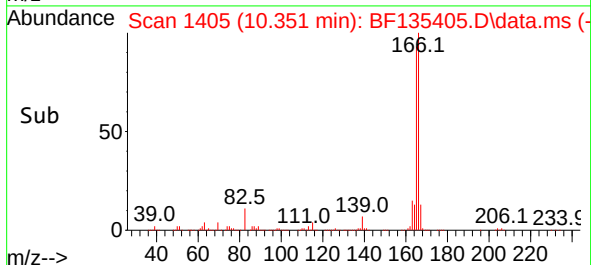
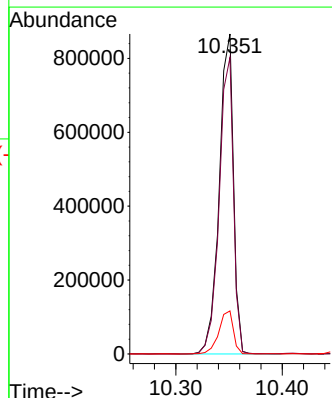
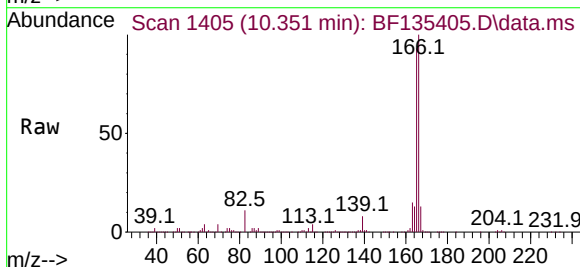
Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMSD

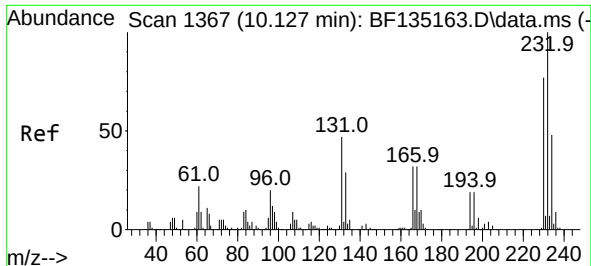
Tgt Ion:165 Resp: 227542
Ion Ratio Lower Upper
165 100
63 76.1 50.1 75.1#
89 90.4 59.3 88.9#
182 2.7 2.3 3.5



#58
Fluorene
Concen: 45.840 ng
RT: 10.351 min Scan# 1405
Delta R.T. 0.000 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

Tgt Ion:166 Resp: 802321
Ion Ratio Lower Upper
166 100
165 92.7 74.3 111.5
167 13.4 10.9 16.3

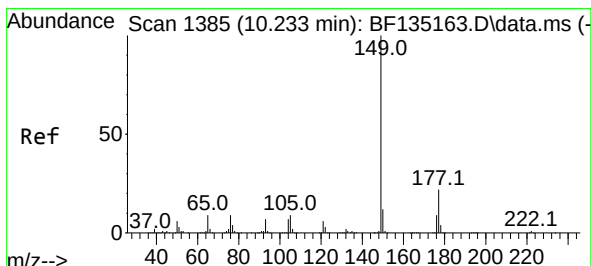
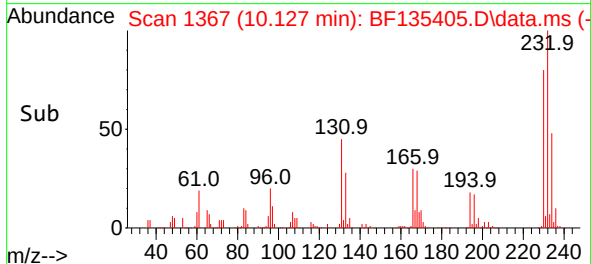
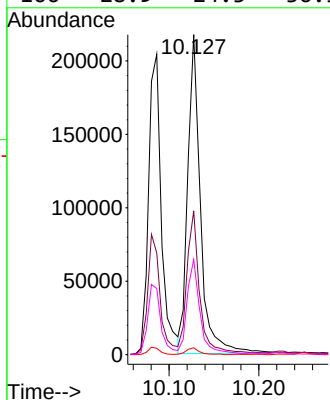
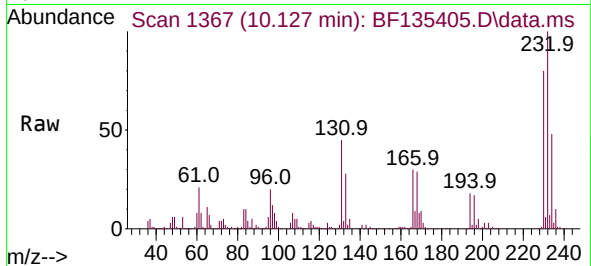




#59
2,3,4,6-Tetrachlorophenol
Concen: 46.908 ng
RT: 10.127 min Scan# 1367
Delta R.T. 0.000 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

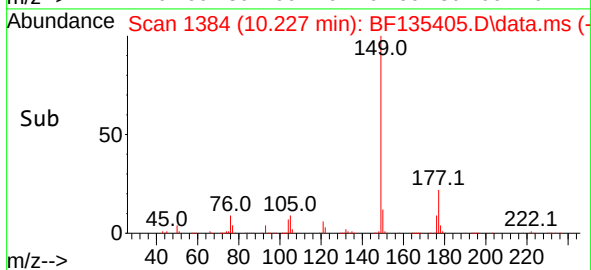
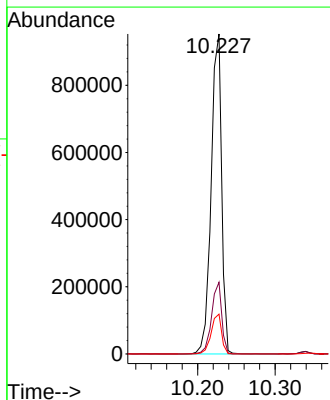
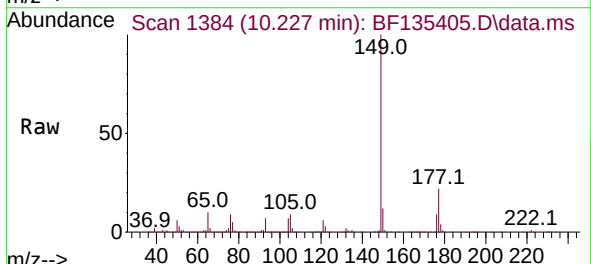
Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMSD

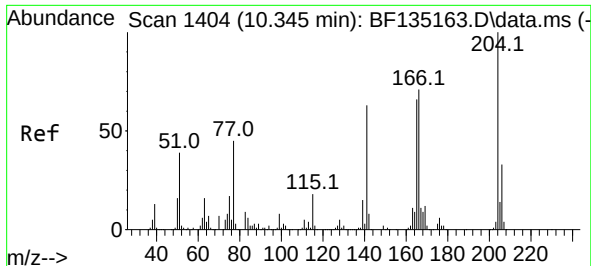
Tgt Ion:232 Resp: 214825
Ion Ratio Lower Upper
232 100
131 43.7 35.4 53.2
130 2.3 1.8 2.8
166 28.9 24.3 36.5



#60
Diethylphthalate
Concen: 48.485 ng
RT: 10.227 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

Tgt Ion:149 Resp: 896634
Ion Ratio Lower Upper
149 100
177 22.4 17.8 26.6
150 12.4 10.0 15.0

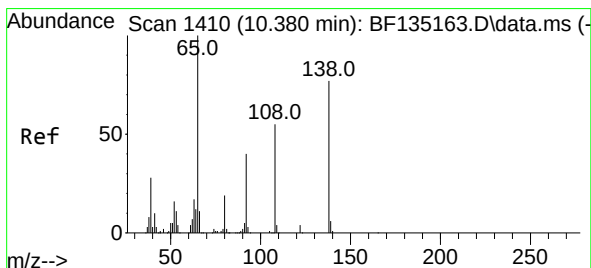
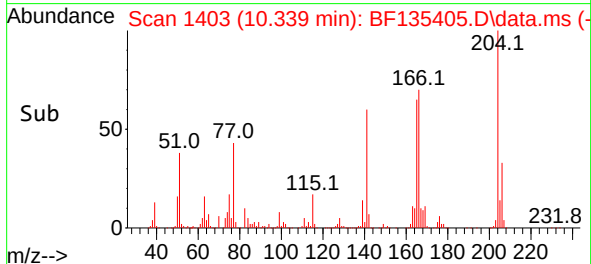
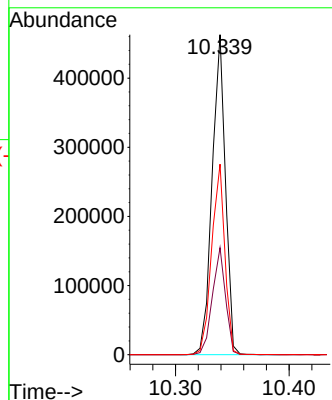
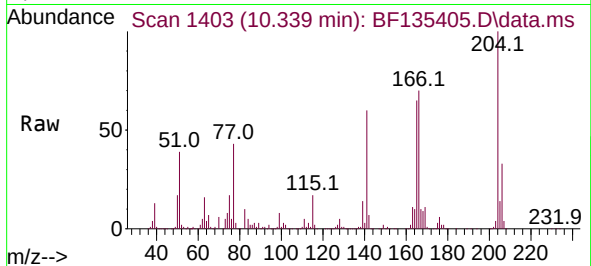




#61
4-Chlorophenyl-phenylether
Concen: 44.601 ng
RT: 10.339 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

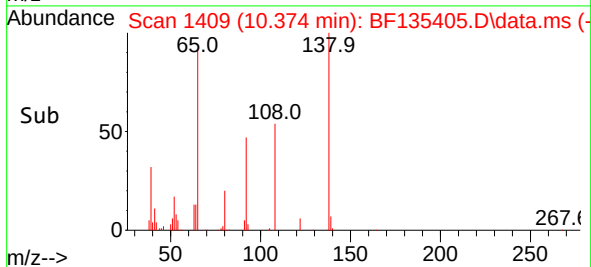
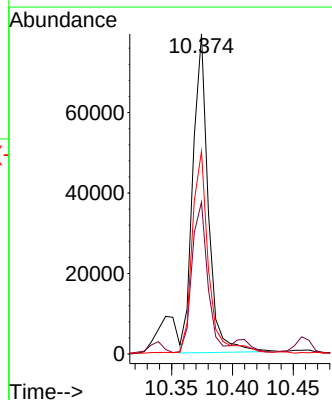
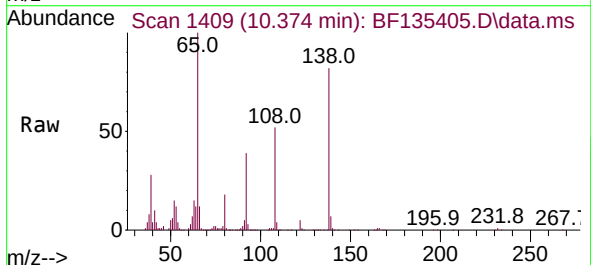
Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMSD

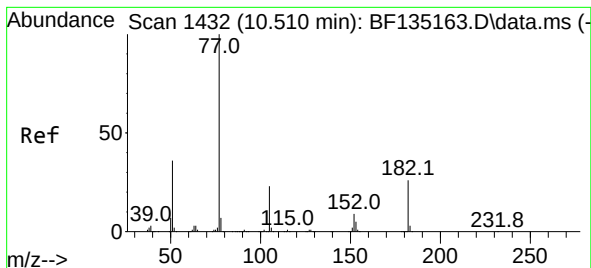
Tgt Ion:204 Resp: 374986
Ion Ratio Lower Upper
204 100
206 33.5 26.7 40.1
141 59.5 50.6 75.8



#62
4-Nitroaniline
Concen: 15.293 ng
RT: 10.374 min Scan# 1409
Delta R.T. -0.006 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

Tgt Ion:138 Resp: 69656
Ion Ratio Lower Upper
138 100
92 47.5 31.8 71.8
108 63.3 52.0 92.0





#63

Azobenzene

Concen: 47.399 ng

RT: 10.498 min Scan# 1432

Delta R.T. -0.012 min

Lab File: BF135405.D

Acq: 22 Sep 2023 18:06

Instrument :

BNA_F

ClientSampleId :

H-2313-SOILMSD

Tgt Ion: 77 Resp: 857876

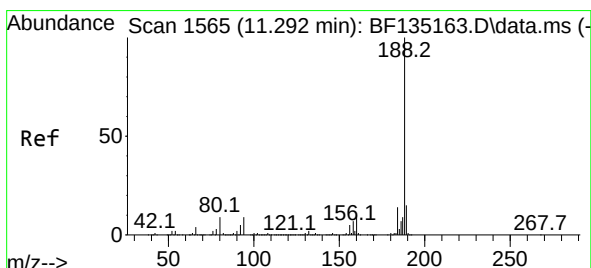
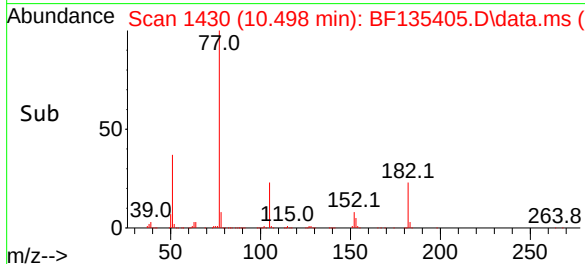
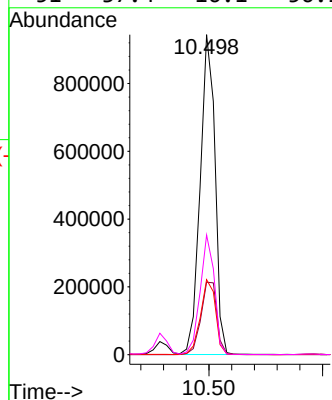
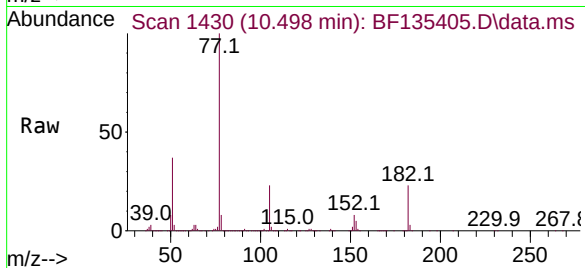
Ion Ratio Lower Upper

77 100

182 22.6 6.4 46.4

105 23.4 3.1 43.1

51 37.4 16.1 56.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.286 min Scan# 1564

Delta R.T. -0.006 min

Lab File: BF135405.D

Acq: 22 Sep 2023 18:06

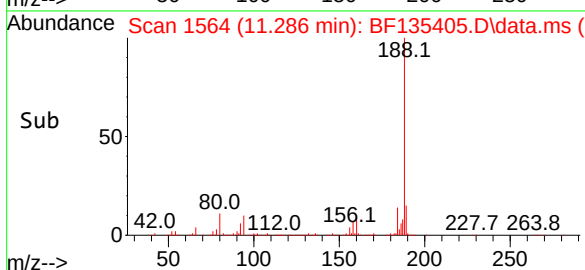
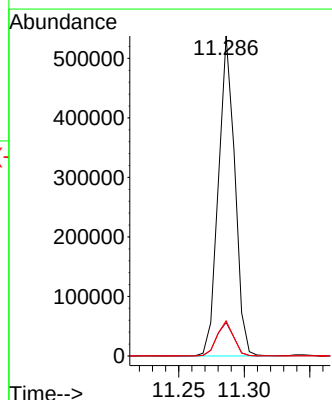
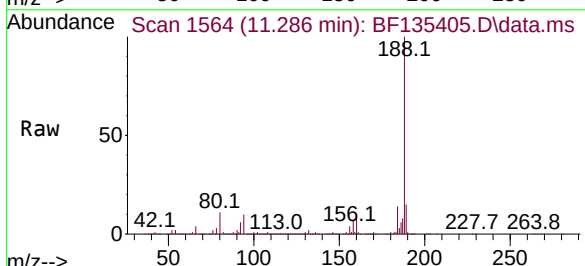
Tgt Ion: 188 Resp: 467179

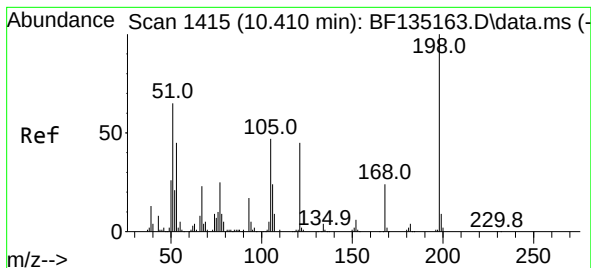
Ion Ratio Lower Upper

188 100

94 10.5 7.0 10.6

80 11.0 7.5 11.3

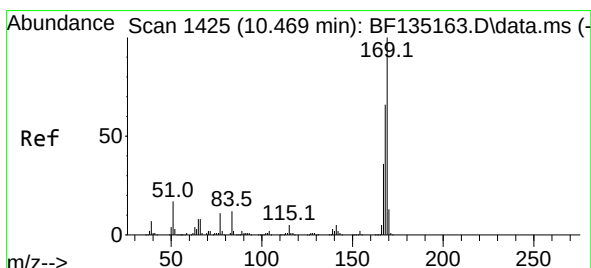
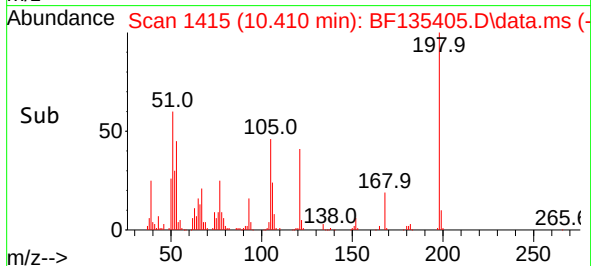
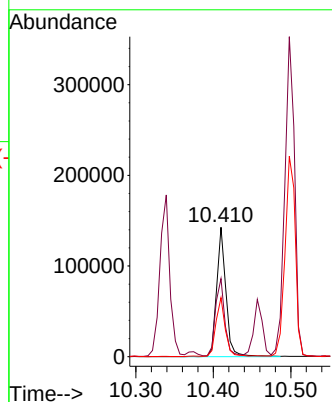
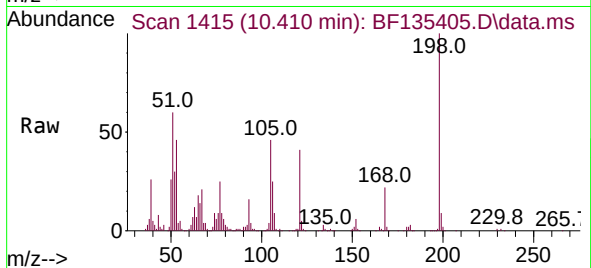




#65
4,6-Dinitro-2-methylphenol
Concen: 47.895 ng
RT: 10.410 min Scan# 1415
Delta R.T. -0.000 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

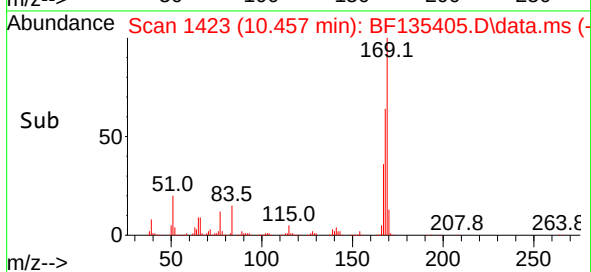
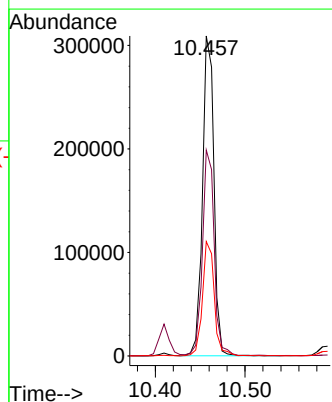
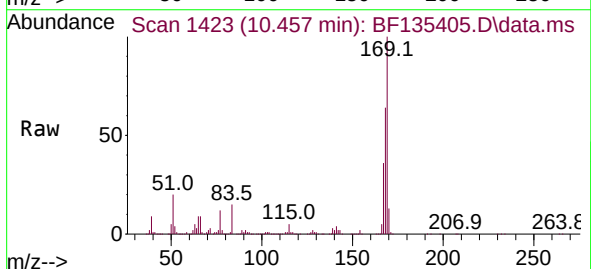
Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMSD

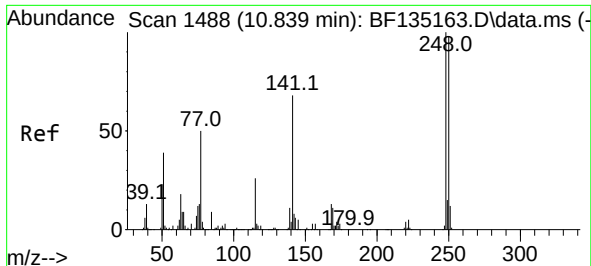
Tgt Ion:198 Resp: 118844
Ion Ratio Lower Upper
198 100
51 60.3 47.7 87.7
105 45.6 27.4 67.4



#66
n-Nitrosodiphenylamine
Concen: 19.216 ng
RT: 10.457 min Scan# 1423
Delta R.T. -0.012 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

Tgt Ion:169 Resp: 271787
Ion Ratio Lower Upper
169 100
168 64.4 52.8 79.2
167 35.7 29.0 43.6

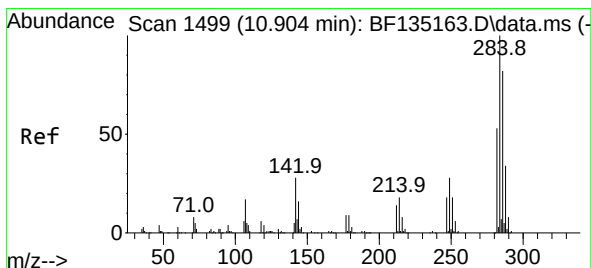
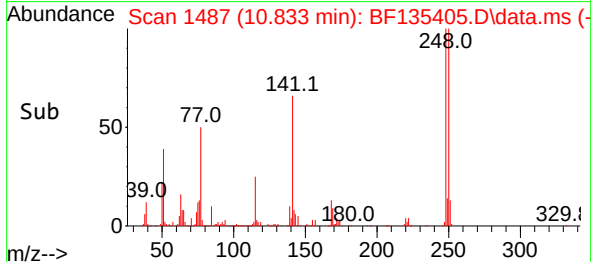
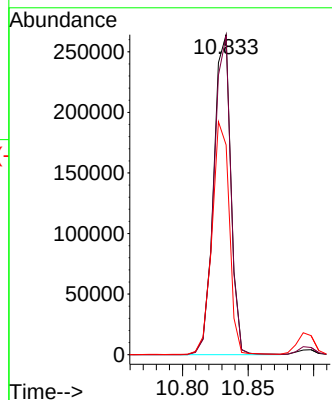
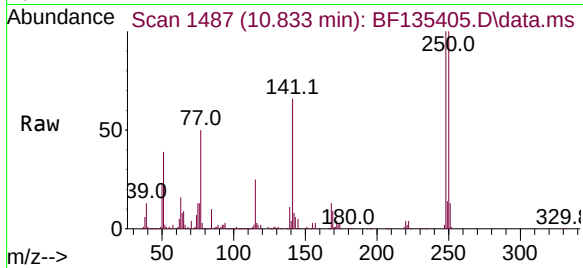




#67
4-Bromophenyl-phenylether
Concen: 51.805 ng
RT: 10.833 min Scan# 1488
Delta R.T. -0.006 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

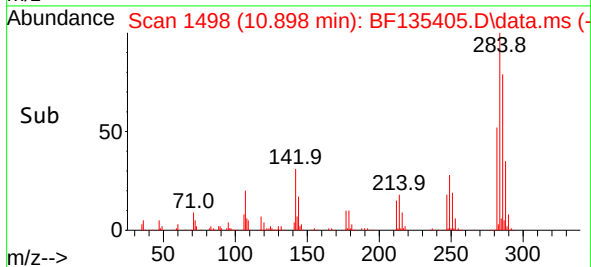
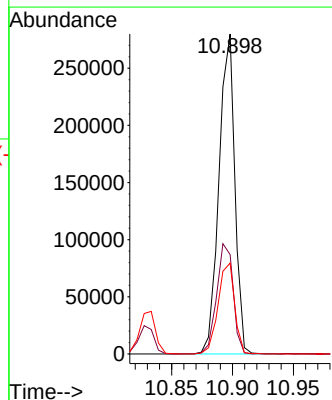
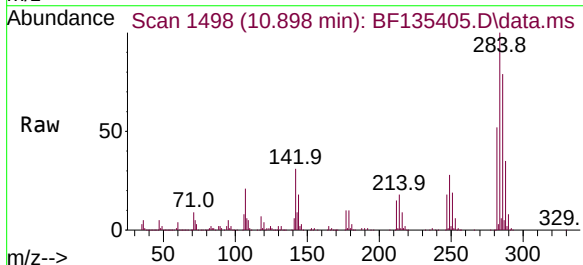
Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMSD

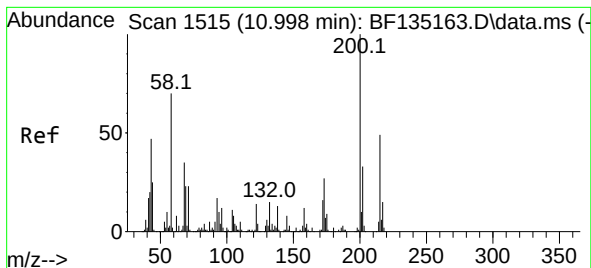
Tgt Ion:248 Resp: 240708
Ion Ratio Lower Upper
248 100
250 99.5 78.6 117.8
141 65.5 54.2 81.2



#68
Hexachlorobenzene
Concen: 53.566 ng
RT: 10.898 min Scan# 1498
Delta R.T. -0.006 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

Tgt Ion:284 Resp: 253565
Ion Ratio Lower Upper
284 100
142 31.0 22.2 33.4
249 28.4 22.5 33.7





#69

Atrazine

Concen: 2.149 ng

RT: 10.986 min Scan# 1513

Delta R.T. -0.012 min

Lab File: BF135405.D

Acq: 22 Sep 2023 18:06

Instrument :

BNA_F

ClientSampleId :

H-2313-SOILMSD

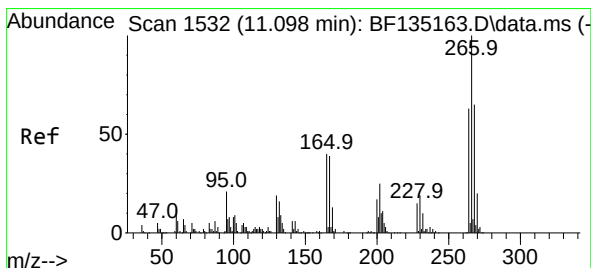
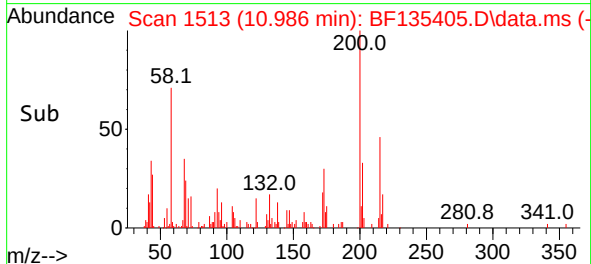
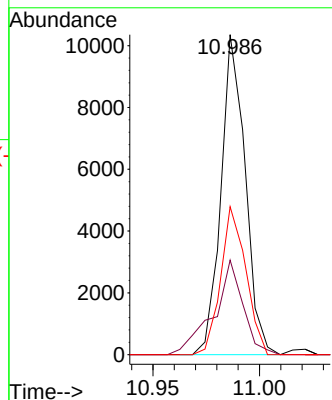
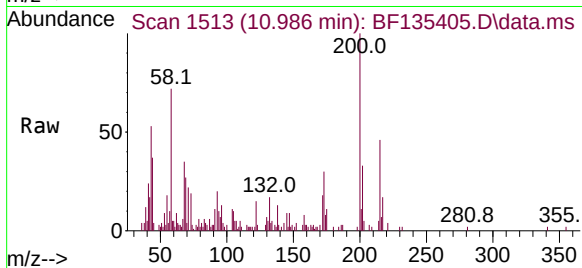
Tgt Ion:200 Resp: 8179

Ion Ratio Lower Upper

200 100

173 29.5 7.4 47.4

215 46.3 28.6 68.6



#70

Pentachlorophenol

Concen: 81.342 ng

RT: 11.098 min Scan# 1532

Delta R.T. 0.000 min

Lab File: BF135405.D

Acq: 22 Sep 2023 18:06

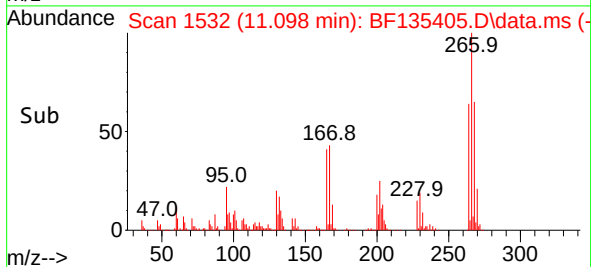
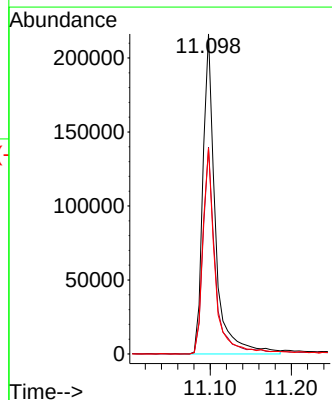
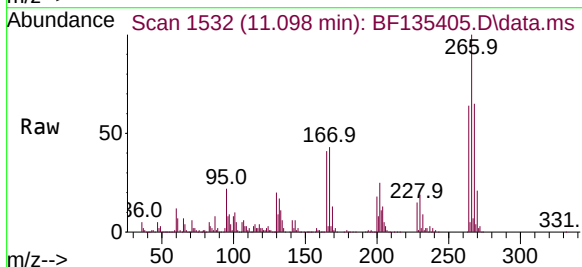
Tgt Ion:266 Resp: 230371

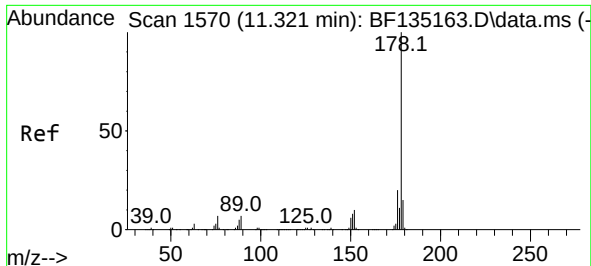
Ion Ratio Lower Upper

266 100

268 64.6 52.1 78.1

264 64.3 50.8 76.2

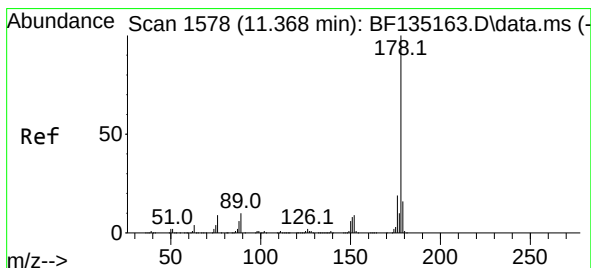
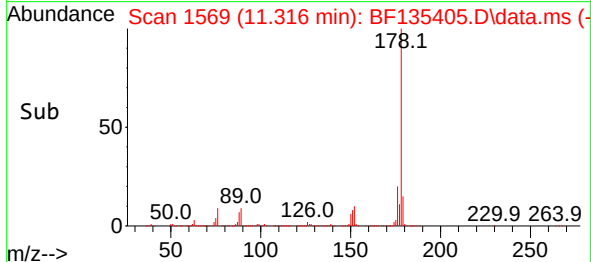
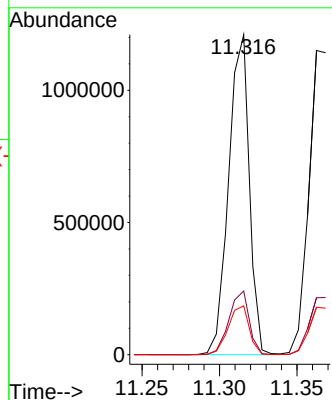
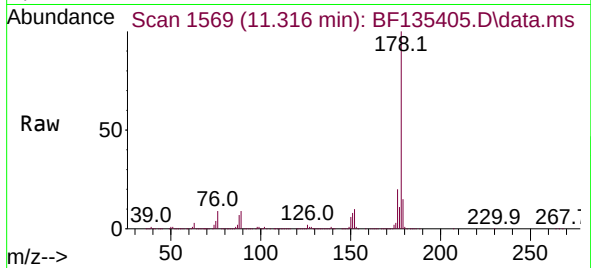




#71
Phenanthrene
Concen: 50.801 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

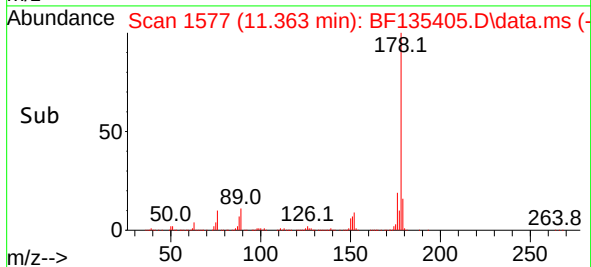
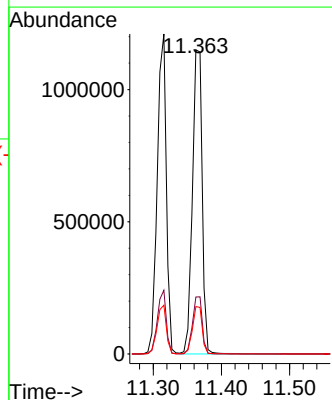
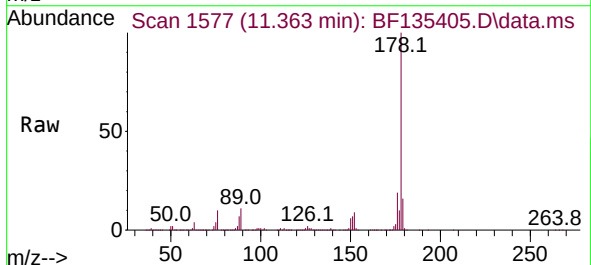
Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMSD

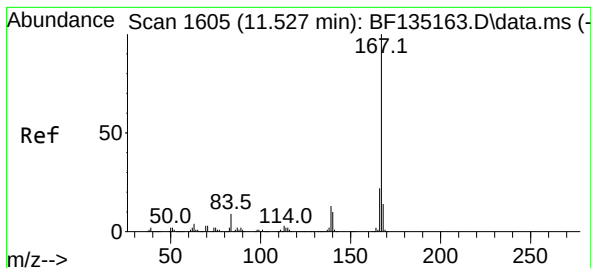
Tgt Ion:178 Resp: 1122487
Ion Ratio Lower Upper
178 100
176 19.9 15.6 23.4
179 15.3 12.0 18.0



#72
Anthracene
Concen: 49.841 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

Tgt Ion:178 Resp: 1131977
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.2
179 15.6 12.6 19.0





#73

Carbazole

Concen: 15.383 ng

RT: 11.521 min Scan# 1604

Delta R.T. -0.006 min

Lab File: BF135405.D

Acq: 22 Sep 2023 18:06

Instrument :

BNA_F

ClientSampleId :

H-2313-SOILMSD

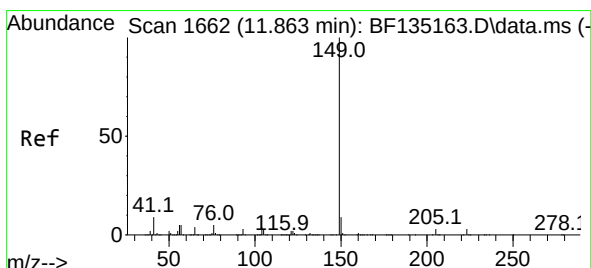
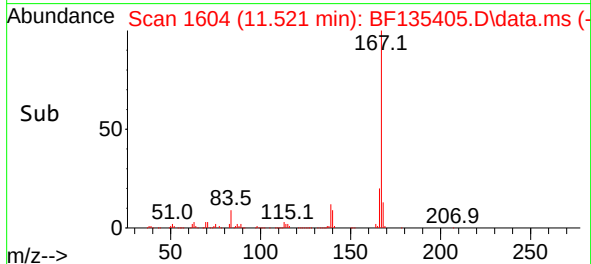
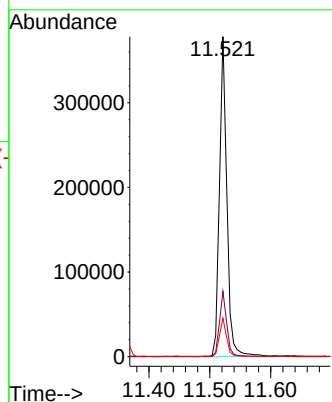
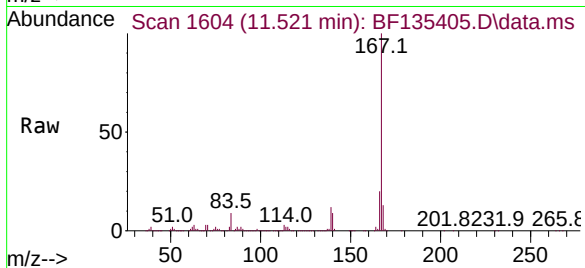
Tgt Ion:167 Resp: 318039

Ion Ratio Lower Upper

167 100

166 20.4 17.4 26.0

139 12.0 10.6 15.8



#74

Di-n-butylphthalate

Concen: 54.367 ng

RT: 11.857 min Scan# 1661

Delta R.T. -0.006 min

Lab File: BF135405.D

Acq: 22 Sep 2023 18:06

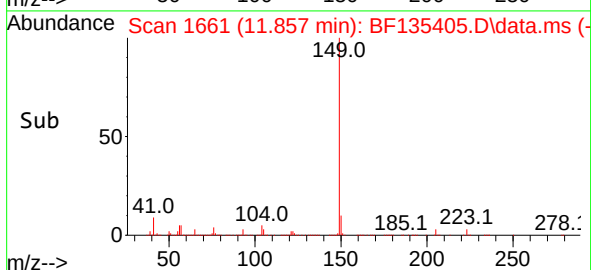
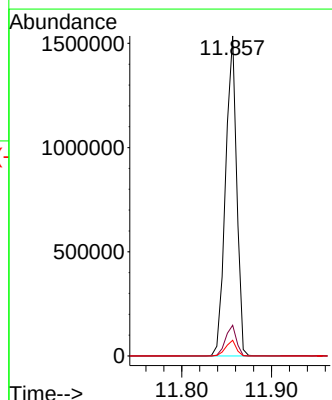
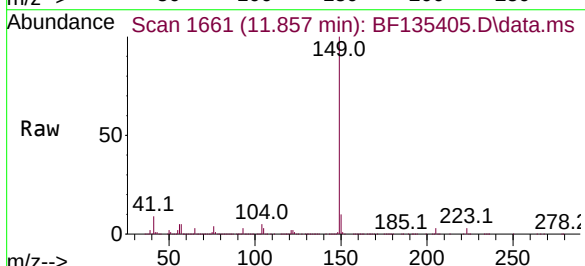
Tgt Ion:149 Resp: 1324522

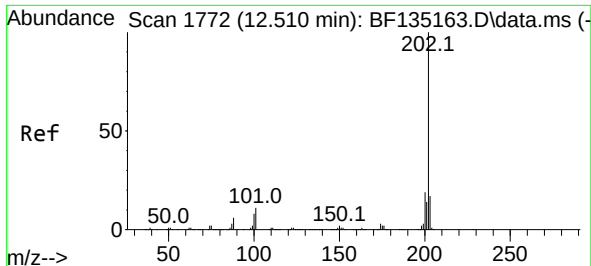
Ion Ratio Lower Upper

149 100

150 9.6 7.4 11.0

104 4.9 3.6 5.4

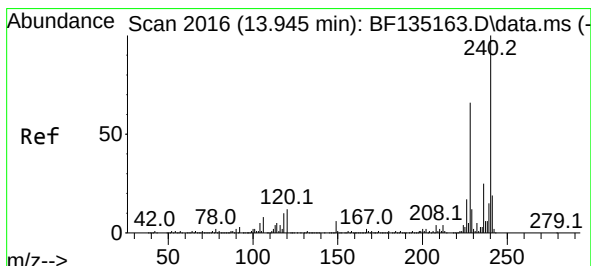
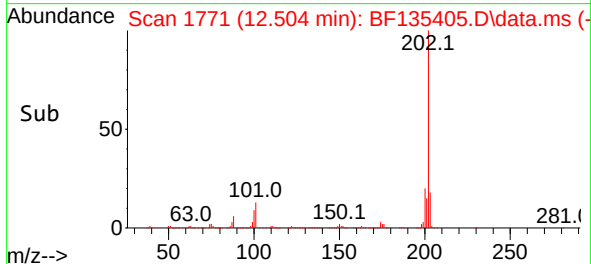
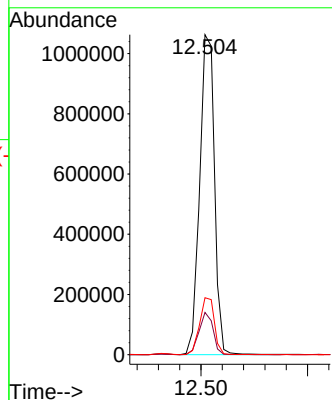
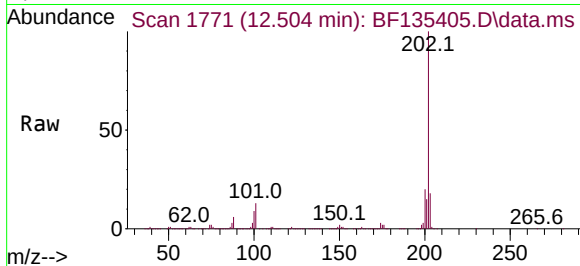




#75
Fluoranthene
Concen: 44.700 ng
RT: 12.504 min Scan# 1771
Delta R.T. -0.006 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

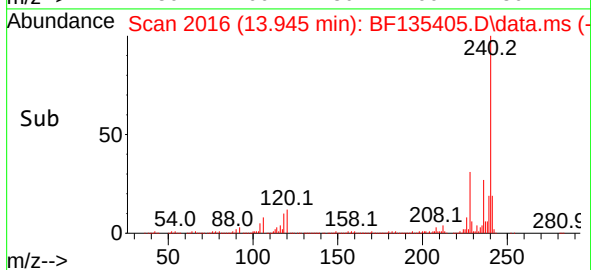
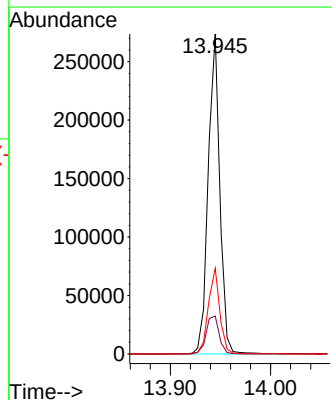
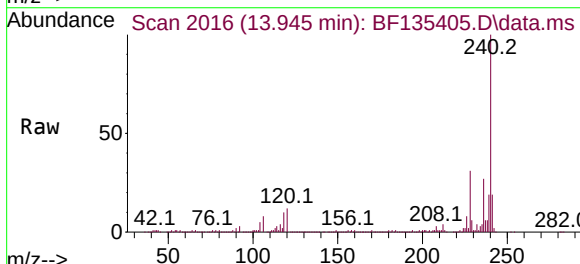
Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMSD

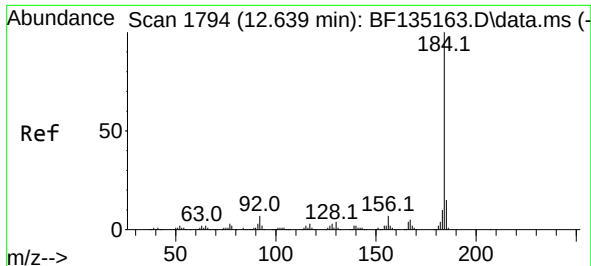
Tgt Ion:202 Resp: 1029154
Ion Ratio Lower Upper
202 100
101 13.2 0.0 31.3
203 17.8 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

Tgt Ion:240 Resp: 220816
Ion Ratio Lower Upper
240 100
120 11.9 9.4 14.2
236 26.8 19.8 29.8

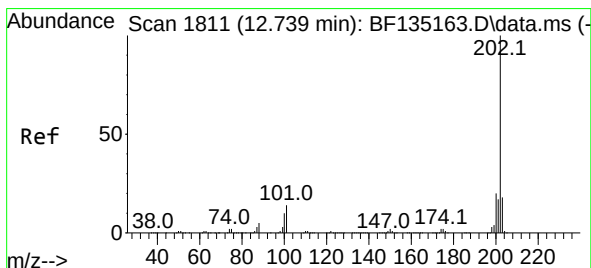
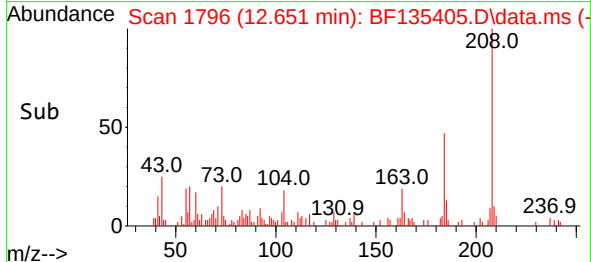
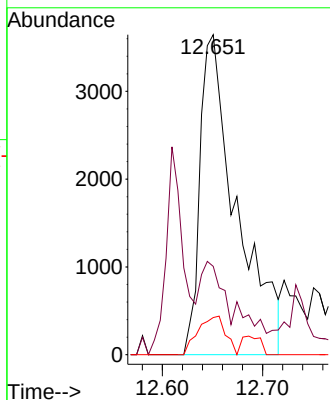
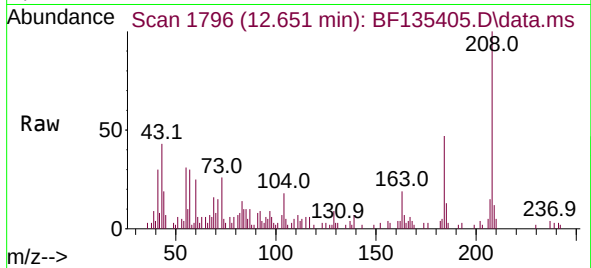




#77
Benzidine
Concen: 2.043 ng
RT: 12.651 min Scan# 1796
Delta R.T. 0.012 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

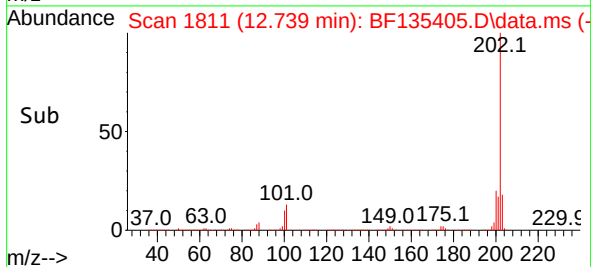
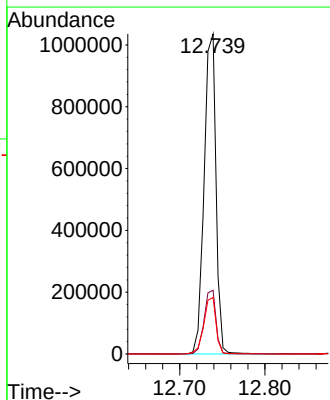
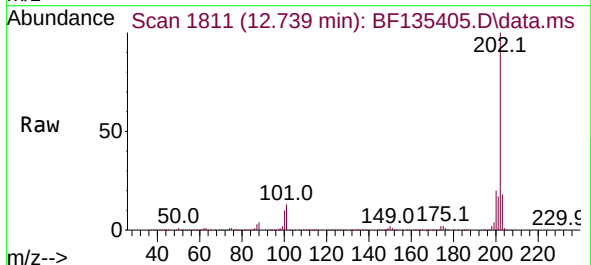
Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMSD

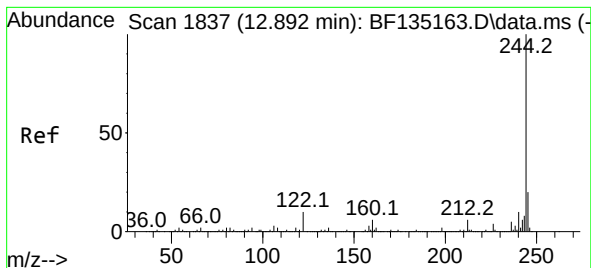
Tgt Ion:184 Resp: 9240
Ion Ratio Lower Upper
184 100
185 27.6 11.7 17.5#
183 11.6 8.2 12.4



#78
Pyrene
Concen: 47.526 ng
RT: 12.739 min Scan# 1811
Delta R.T. 0.000 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

Tgt Ion:202 Resp: 999152
Ion Ratio Lower Upper
202 100
200 19.9 16.2 24.2
203 17.7 14.2 21.4





#79

Terphenyl-d14

Concen: 85.984 ng

RT: 12.880 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF135405.D

Acq: 22 Sep 2023 18:06

Instrument :

BNA_F

ClientSampleId :

H-2313-SOILMSD

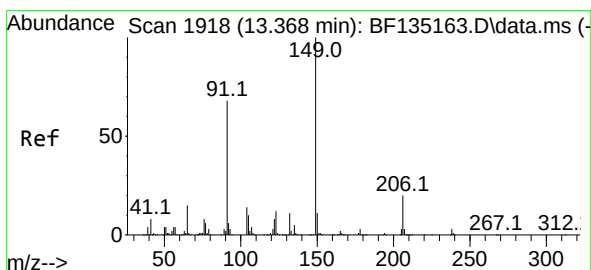
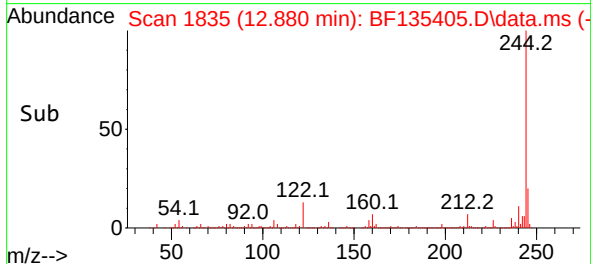
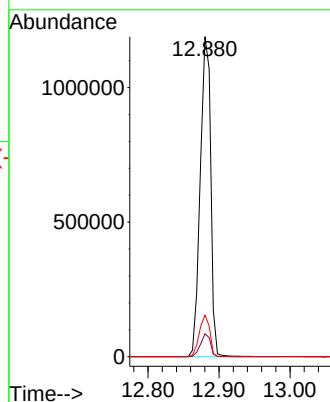
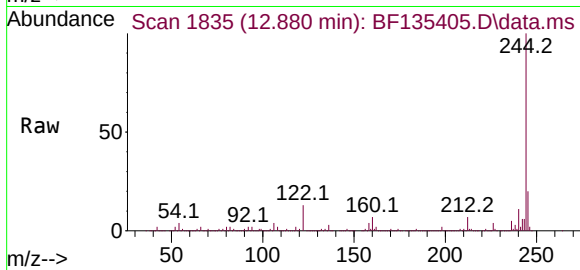
Tgt Ion:244 Resp: 1224787

Ion Ratio Lower Upper

244 100

212 7.2 5.1 7.7

122 12.9 7.9 11.9#



#80

Butylbenzylphthalate

Concen: 57.277 ng

RT: 13.362 min Scan# 1917

Delta R.T. -0.006 min

Lab File: BF135405.D

Acq: 22 Sep 2023 18:06

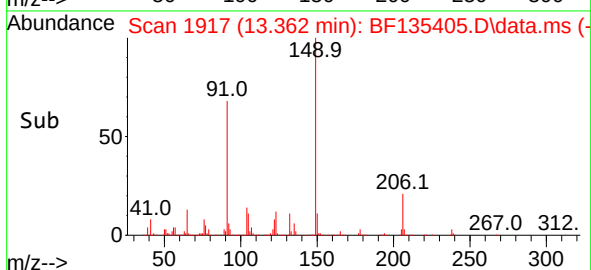
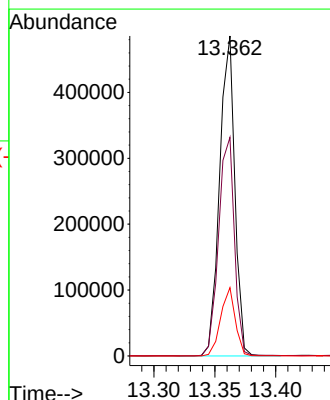
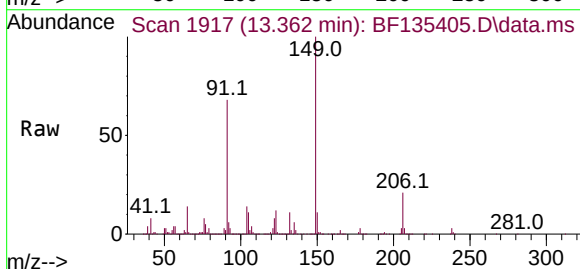
Tgt Ion:149 Resp: 423961

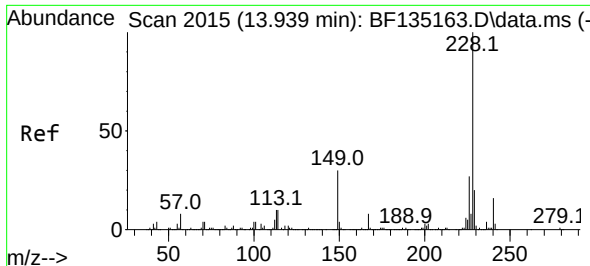
Ion Ratio Lower Upper

149 100

91 68.3 54.7 82.1

206 21.3 16.3 24.5

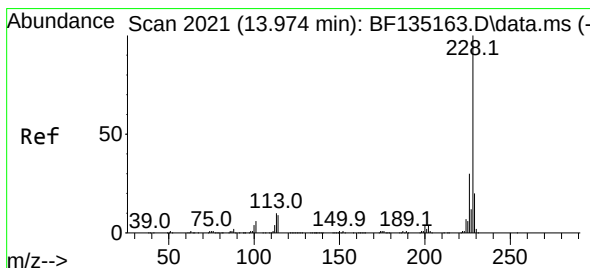
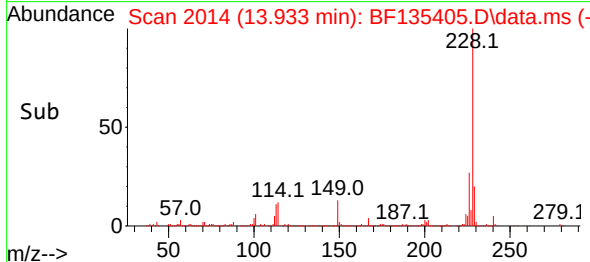
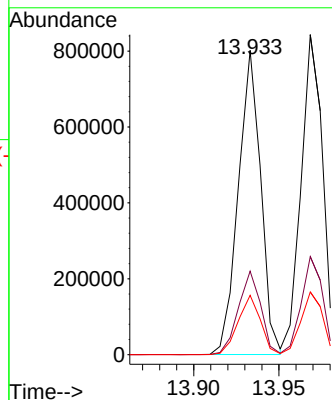
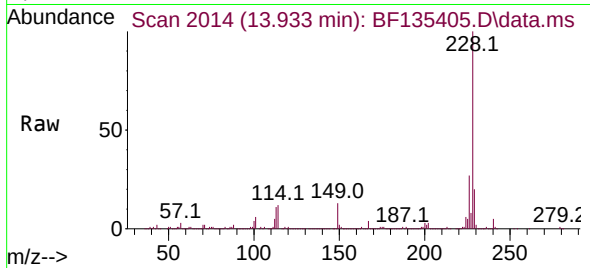




#81
Benzo(a)anthracene
Concen: 51.618 ng
RT: 13.933 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

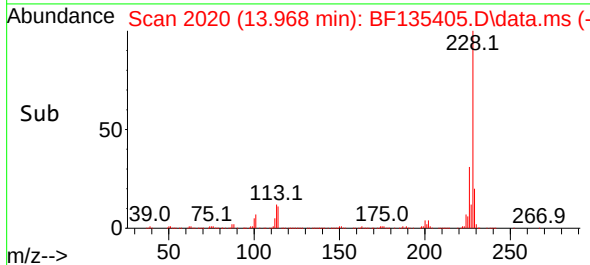
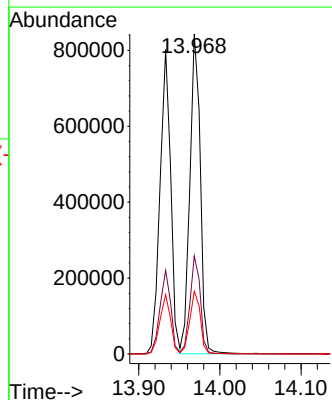
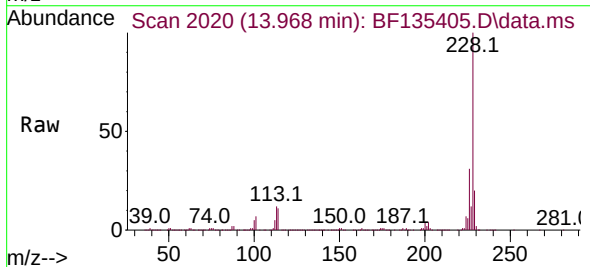
Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMSD

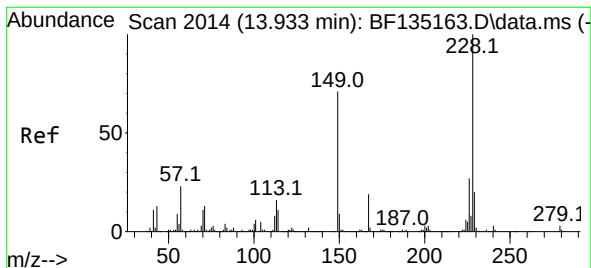
Tgt Ion:228 Resp: 736005
Ion Ratio Lower Upper
228 100
226 27.5 21.7 32.5
229 19.5 15.8 23.8



#83
Chrysene
Concen: 53.282 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

Tgt Ion:228 Resp: 755342
Ion Ratio Lower Upper
228 100
226 30.6 24.3 36.5
229 19.6 16.0 24.0

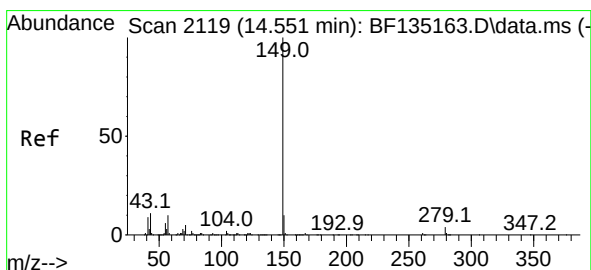
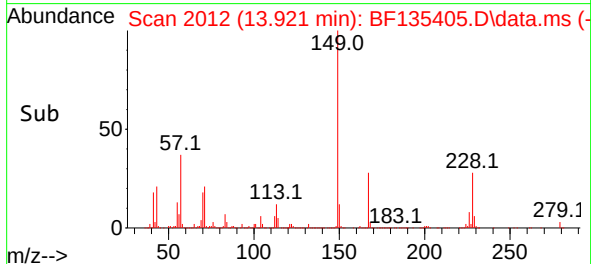
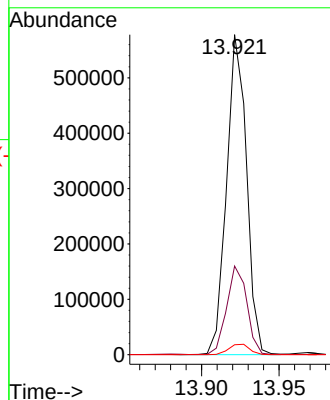
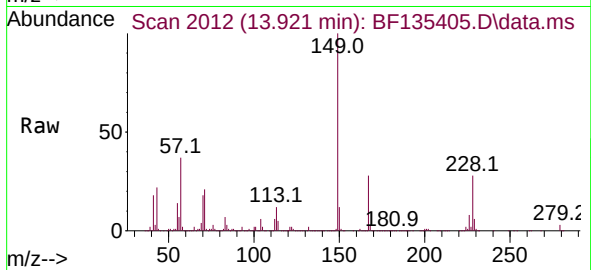




#84
Bis(2-ethylhexyl)phthalate
Concen: 67.998 ng
RT: 13.921 min Scan# 2012
Delta R.T. -0.012 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

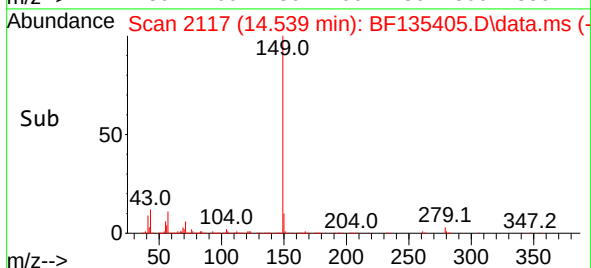
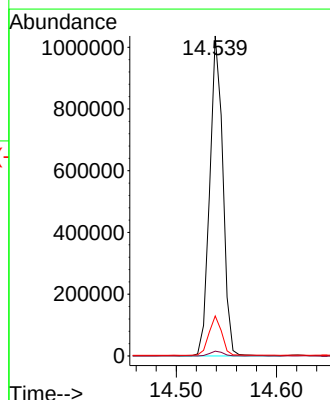
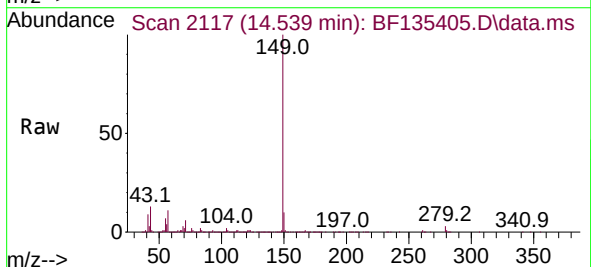
Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMSD

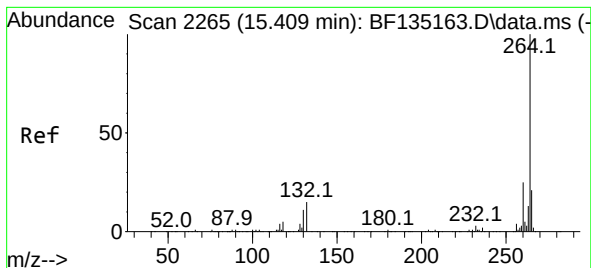
Tgt Ion:149 Resp: 516498
Ion Ratio Lower Upper
149 100
167 27.7 21.9 32.9
279 3.1 3.3 4.9#



#85
Di-n-octyl phthalate
Concen: 77.796 ng
RT: 14.539 min Scan# 2117
Delta R.T. -0.012 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

Tgt Ion:149 Resp: 939076
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 12.1 9.8 14.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.409 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF135405.D

Acq: 22 Sep 2023 18:06

Instrument :

BNA_F

ClientSampleId :

H-2313-SOILMSD

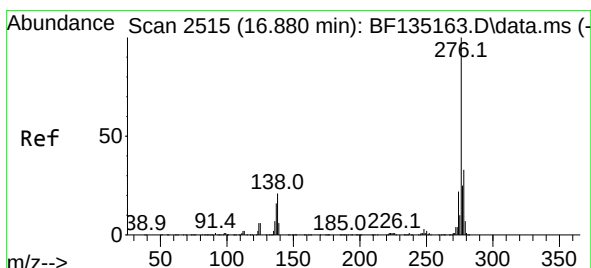
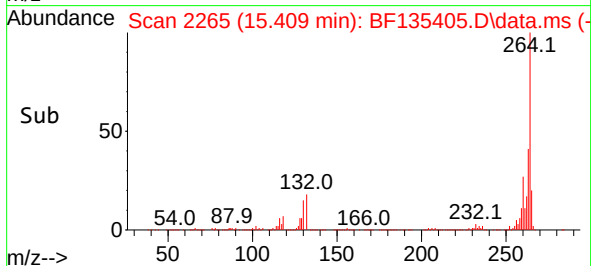
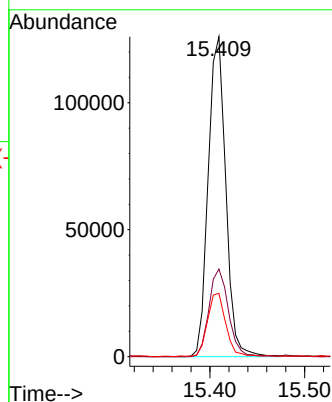
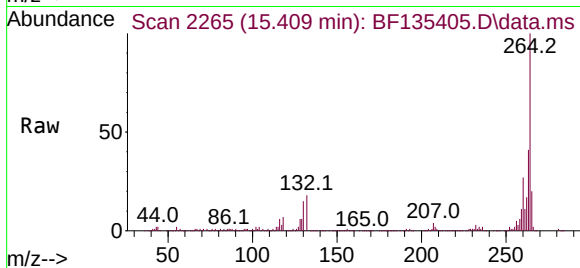
Tgt Ion:264 Resp: 161924

Ion Ratio Lower Upper

264 100

260 27.4 19.8 29.6

265 19.8 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 77.377 ng

RT: 16.892 min Scan# 2517

Delta R.T. 0.012 min

Lab File: BF135405.D

Acq: 22 Sep 2023 18:06

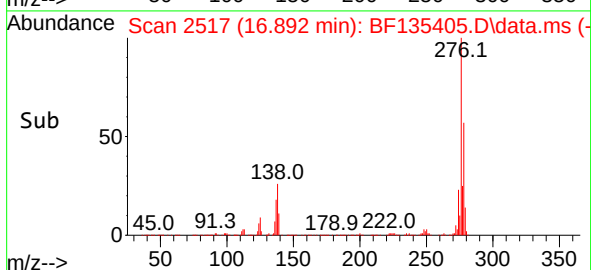
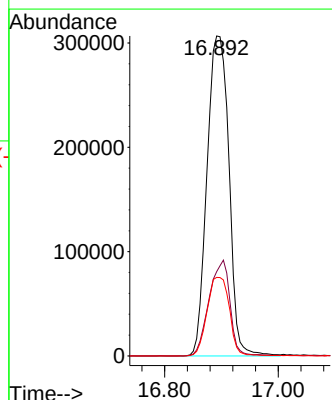
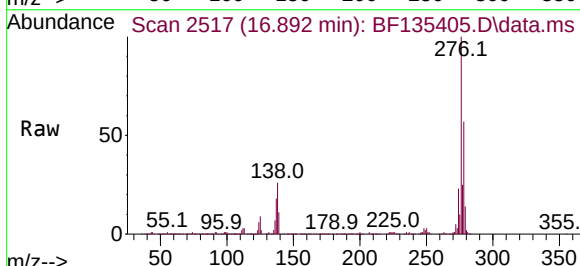
Tgt Ion:276 Resp: 821492

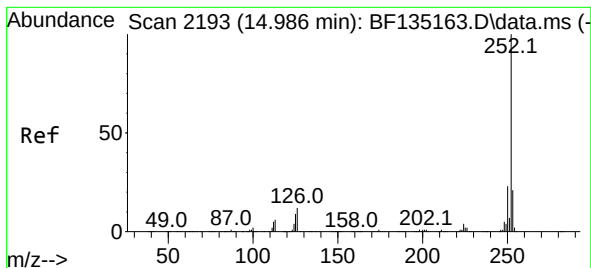
Ion Ratio Lower Upper

276 100

138 28.8 19.2 28.8

277 25.1 19.7 29.5





#88

Benzo(b)fluoranthene

Concen: 97.388 ng

RT: 14.986 min Scan# 2193

Delta R.T. 0.000 min

Lab File: BF135405.D

Acq: 22 Sep 2023 18:06

Instrument :

BNA_F

ClientSampleId :

H-2313-SOILMSD

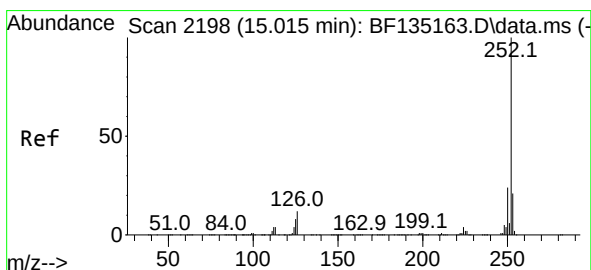
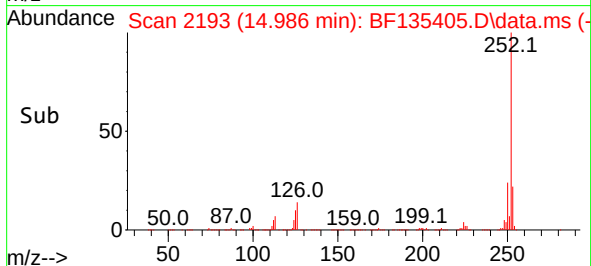
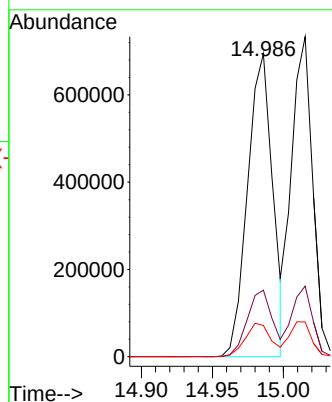
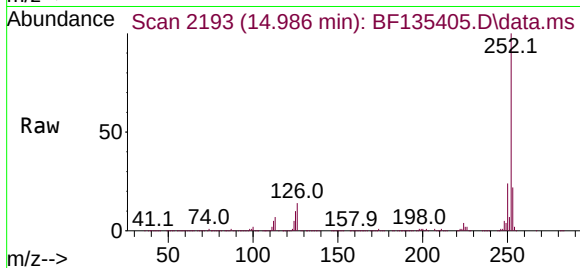
Tgt Ion:252 Resp: 853654

Ion Ratio Lower Upper

252 100

253 22.0 17.2 25.8

125 10.3 7.1 10.7



#89

Benzo(k)fluoranthene

Concen: 98.588 ng

RT: 14.986 min Scan# 2193

Delta R.T. -0.029 min

Lab File: BF135405.D

Acq: 22 Sep 2023 18:06

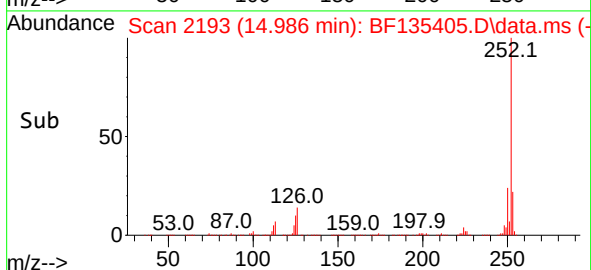
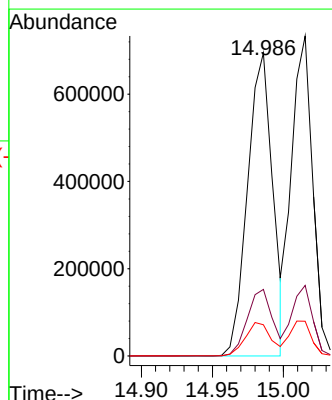
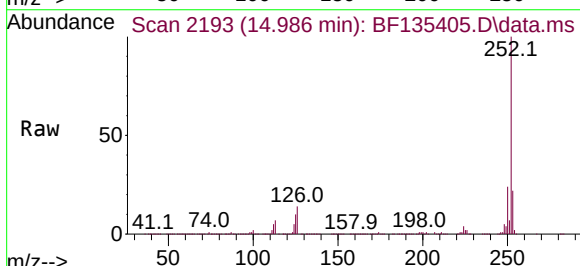
Tgt Ion:252 Resp: 853654

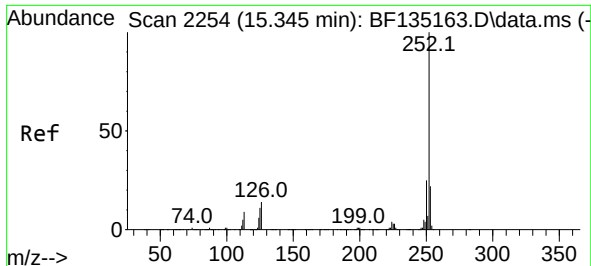
Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

125 10.3 7.2 10.8

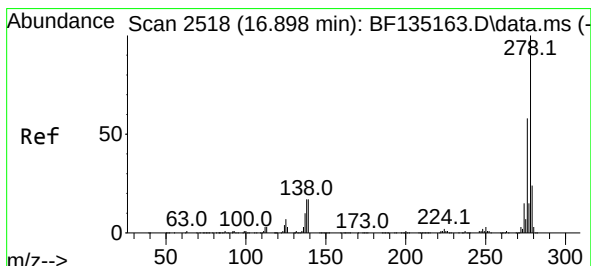
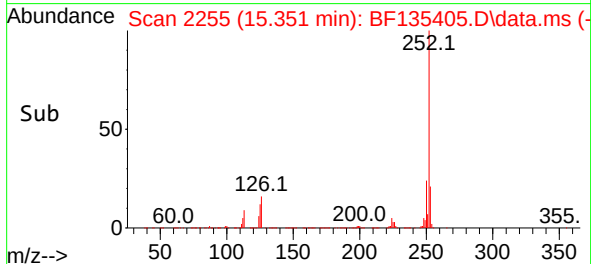
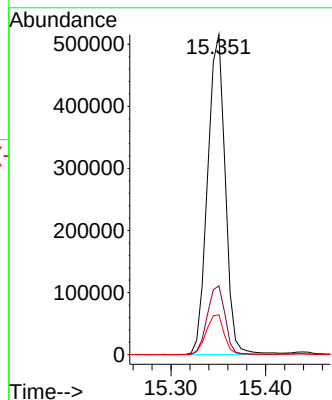
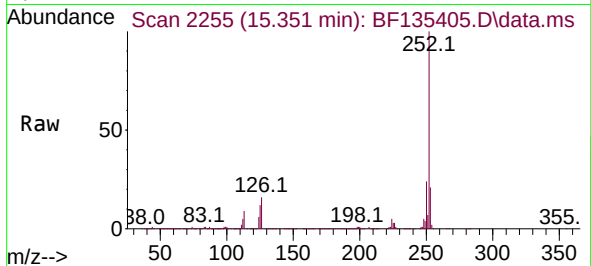




#90
Benzo(a)pyrene
Concen: 79.673 ng
RT: 15.351 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

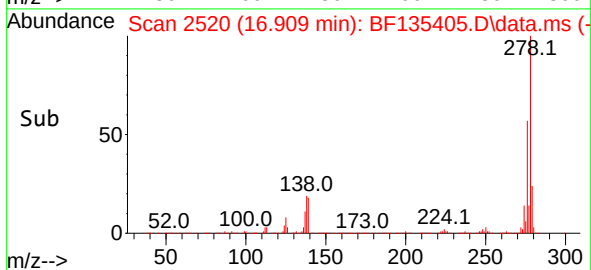
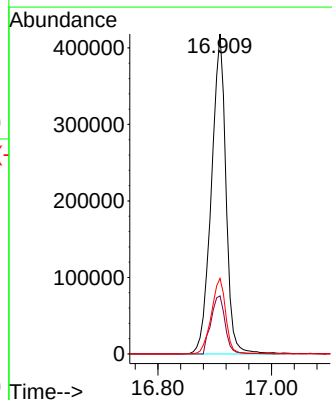
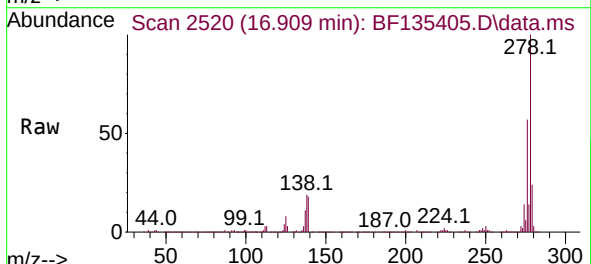
Instrument :
BNA_F
ClientSampleId :
H-2313-SOILMSD

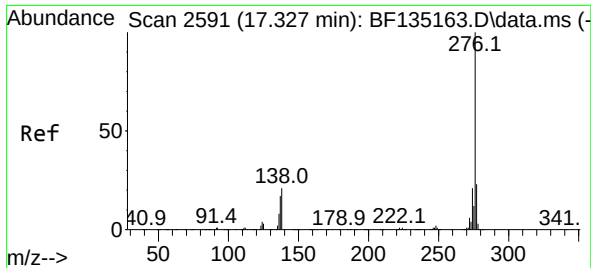
Tgt Ion:252 Resp: 665994
Ion Ratio Lower Upper
252 100
253 21.5 17.5 26.3
125 12.5 9.2 13.8



#91
Dibenzo(a,h)anthracene
Concen: 85.395 ng
RT: 16.909 min Scan# 2520
Delta R.T. 0.012 min
Lab File: BF135405.D
Acq: 22 Sep 2023 18:06

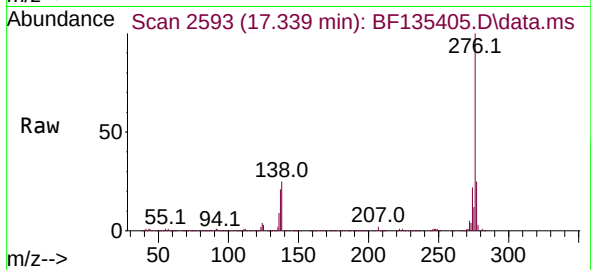
Tgt Ion:278 Resp: 741817
Ion Ratio Lower Upper
278 100
139 18.2 13.4 20.0
279 23.6 19.0 28.6





#92
 Benzo(g,h,i)perylene
 Concen: 67.690 ng
 RT: 17.339 min Scan# 2593
 Delta R.T. 0.012 min
 Lab File: BF135405.D
 Acq: 22 Sep 2023 18:06

Instrument :
 BNA_F
 ClientSampleId :
 H-2313-SOILMSD



Tgt Ion: 276 Resp: 614106

Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.8	28.2
138	25.2	16.9	25.3

