

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120920\
 Data File : BF122609.D
 Acq On : 9 Dec 2020 13:02
 Operator : JU/CG
 Sample : L4468-02MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSD-SOILMSD

Quant Time: Dec 09 13:56:48 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 07 12:08:49 2020
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	181586	20.00	ng	0.00
21) Naphthalene-d8	8.128	136	703718	20.00	ng	0.00
39) Acenaphthene-d10	9.880	164	367969	20.00	ng	0.00
64) Phenanthrene-d10	11.363	188	652160	20.00	ng	0.00
76) Chrysene-d12	14.004	240	450006	20.00	ng	0.00
86) Perylene-d12	15.462	264	451882	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	872480	76.07	ng	0.00
7) Phenol-d6	6.475	99	1088975	71.59	ng	0.00
23) Nitrobenzene-d5	7.404	82	686795	48.90	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	282672	58.69	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	1267887	46.60	ng	0.00
79) Terphenyl-d14	12.951	244	1225297	47.66	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.669	88	211543	39.24	ng	99
3) Pyridine	3.410	79	582302	40.86	ng	98
4) n-Nitrosodimethylamine	3.369	42	245452	42.95	ng	100
6) Aniline	6.498	93	358274	20.01	ng	96
8) 2-Chlorophenol	6.628	128	554929	43.90	ng	95
9) Benzaldehyde	6.387	77	255450	27.74	ng	98
10) Phenol	6.487	94	681975	43.27	ng	92
11) bis(2-Chloroethyl)ether	6.575	93	517614	42.98	ng	99
12) 1,3-Dichlorobenzene	6.781	146	603063	40.31	ng	98
13) 1,4-Dichlorobenzene	6.857	146	607404	40.27	ng	98
14) 1,2-Dichlorobenzene	7.010	146	585948	40.24	ng	99
15) Benzyl Alcohol	6.987	79	465585	44.45	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.116	45	676017	39.37	ng	99
17) 2-Methylphenol	7.098	107	448171	44.60	ng	98
18) Hexachloroethane	7.351	117	220918	41.10	ng	94
19) n-Nitroso-di-n-propyla...	7.257	70	362468	41.60	ng	99
20) 3+4-Methylphenols	7.251	107	521304	41.06	ng	# 88
22) Acetophenone	7.251	105	690143	39.44	ng	97
24) Nitrobenzene	7.422	77	568192	40.66	ng	99
25) Isophorone	7.663	82	1008492	41.69	ng	99
26) 2-Nitrophenol	7.739	139	278196	40.82	ng	97
27) 2,4-Dimethylphenol	7.781	122	469552	47.01	ng	99
28) bis(2-Chloroethoxy)met...	7.875	93	645963	38.99	ng	99
29) 2,4-Dichlorophenol	7.986	162	465861	39.94	ng	97
30) 1,2,4-Trichlorobenzene	8.069	180	506724	38.34	ng	98
31) Naphthalene	8.145	128	1549965	39.91	ng	100
32) Benzoic acid	7.781	122	469552	59.00	ng	# 12
33) 4-Chloroaniline	8.192	127	194909	12.01	ng	99
34) Hexachlorobutadiene	8.263	225	302003	37.13	ng	99
35) Caprolactam	8.569	113	99649	28.36	ng	97
36) 4-Chloro-3-methylphenol	8.681	107	471878	41.07	ng	98
37) 2-Methylnaphthalene	8.839	142	1030732	40.13	ng	99
38) 1-Methylnaphthalene	8.939	142	963607	39.65	ng	100
40) 1,2,4,5-Tetrachloroben...	9.004	216	485481	39.83	ng	99
41) Hexachlorocyclopentadiene	8.992	237	485454	90.09	ng	98
43) 2,4,6-Trichlorophenol	9.116	196	305741	36.32	ng	99

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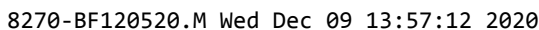
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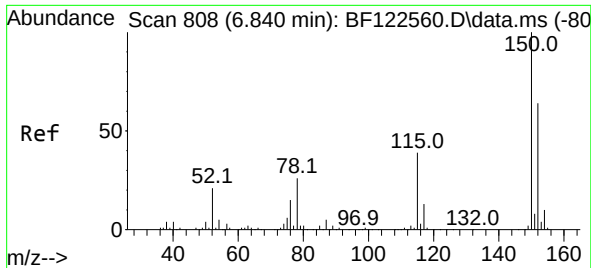
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.157	196	322882	37.11	ng	99
46) 1,1'-Biphenyl	9.304	154	1230841	40.30	ng	99
47) 2-Chloronaphthalene	9.328	162	988892	39.08	ng	99
48) 2-Nitroaniline	9.422	65	286875	38.89	ng	93
49) Acenaphthylene	9.745	152	1499481	40.12	ng	100
50) Dimethylphthalate	9.604	163	1230444	41.87	ng	99
51) 2,6-Dinitrotoluene	9.669	165	264645	42.64	ng	94
52) Acenaphthene	9.916	154	897168	37.10	ng	99
53) 3-Nitroaniline	9.833	138	156073	21.76	ng	99
54) 2,4-Dinitrophenol	9.939	184	22389	7.38	ng	92
55) Dibenzofuran	10.086	168	1357691	39.92	ng	100
56) 4-Nitrophenol	9.998	139	315231	61.64	ng	91
57) 2,4-Dinitrotoluene	10.069	165	341624	41.32	ng	96
58) Fluorene	10.427	166	1033360	38.20	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.204	232	225443	29.49	ng	99
60) Diethylphthalate	10.304	149	1104467	38.64	ng	99
61) 4-Chlorophenyl-phenyle...	10.422	204	502454	37.72	ng	97
62) 4-Nitroaniline	10.445	138	262244	36.02	ng	98
63) Azobenzene	10.580	77	1028708	39.15	ng	98
65) 4,6-Dinitro-2-methylph...	10.475	198	42882	10.78	ng	96
66) n-Nitrosodiphenylamine	10.539	169	936096	40.62	ng	99
67) 4-Bromophenyl-phenylether	10.910	248	343427	38.86	ng	94
68) Hexachlorobenzene	10.980	284	375846	38.47	ng	94
69) Atrazine	11.069	200	265258	35.45	ng	99
70) Pentachlorophenol	11.174	266	219434	42.39	ng	98
71) Phenanthrene	11.392	178	1520827	39.24	ng	100
72) Anthracene	11.445	178	1567065	40.77	ng	99
73) Carbazole	11.598	167	1377663	39.53	ng	99
74) Di-n-butylphthalate	11.927	149	1640365	37.45	ng	100
75) Fluoranthene	12.580	202	1519320	37.38	ng	99
77) Benzidine	12.698	184	305846	31.42	ng	97
78) Pyrene	12.810	202	1508580	43.36	ng	99
80) Butylbenzylphthalate	13.427	149	634632	40.50	ng	96
81) Benzo(a)anthracene	13.998	228	1201335	39.95	ng	99
82) 3,3'-Dichlorobenzidine	13.957	252	184315	17.11	ng	97
83) Chrysene	14.033	228	1189864	39.76	ng	99
84) Bis(2-ethylhexyl)phtha...	13.986	149	833792	38.85	ng	99
85) Di-n-octyl phthalate	14.598	149	1348625	37.88	ng	98
87) Indeno(1,2,3-cd)pyrene	16.927	276	1420270	47.88	ng	99
88) Benzo(b)fluoranthene	15.045	252	1194551	37.68	ng	99
89) Benzo(k)fluoranthene	15.074	252	1135565	39.17	ng	99
90) Benzo(a)pyrene	15.409	252	1087680	39.21	ng	99
91) Dibenzo(a,h)anthracene	16.945	278	1163559	47.93	ng	99
92) Benzo(g,h,i)perylene	17.368	276	1233586	52.50	ng	99

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

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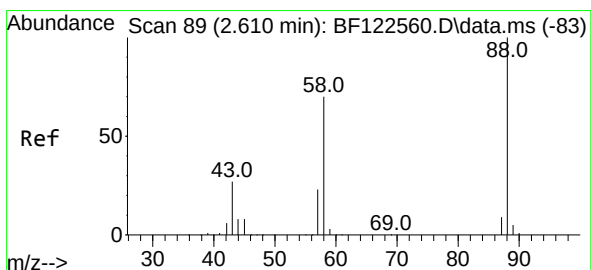
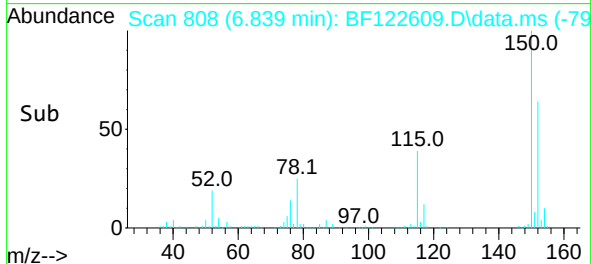
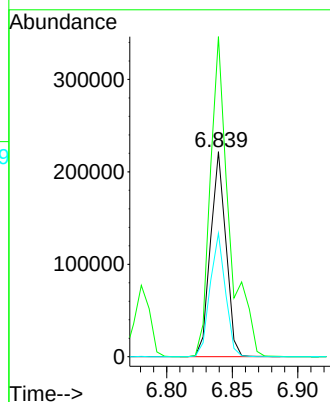
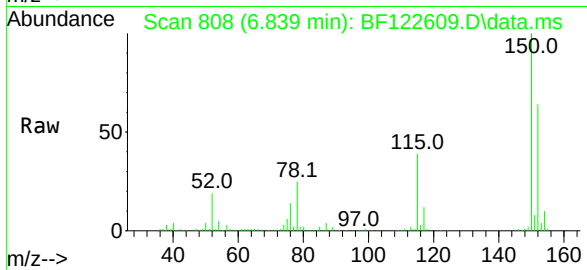




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.839 min Scan# 808
 Delta R.T. -0.001 min
 Lab File: BF122609.D
 Acq: 9 Dec 2020 13:02

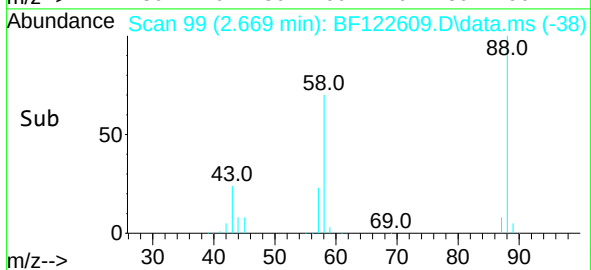
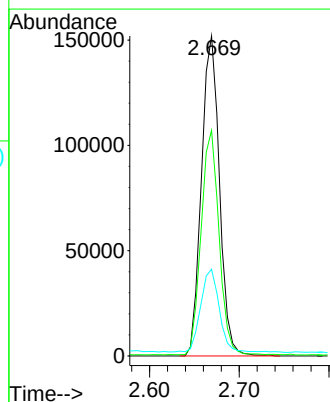
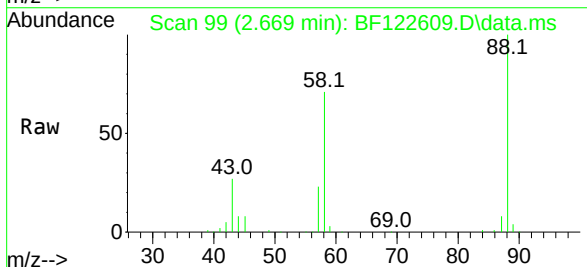
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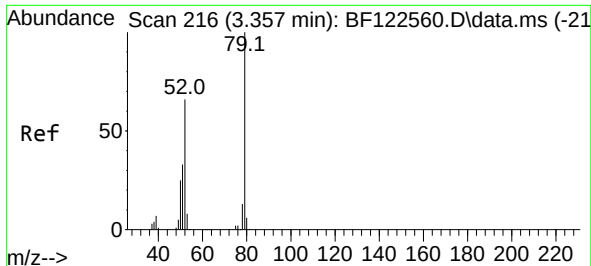
Tgt Ion:152 Resp: 181586
 Ion Ratio Lower Upper
 152 100
 150 156.1 125.8 188.6
 115 60.2 49.3 73.9



#2
 1,4-Dioxane
 Concen: 39.24 ng
 RT: 2.669 min Scan# 99
 Delta R.T. 0.059 min
 Lab File: BF122609.D
 Acq: 9 Dec 2020 13:02

Tgt Ion: 88 Resp: 211543
 Ion Ratio Lower Upper
 88 100
 58 69.6 56.2 84.2
 43 27.2 21.8 32.6

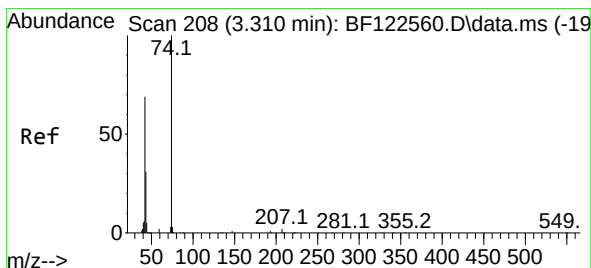
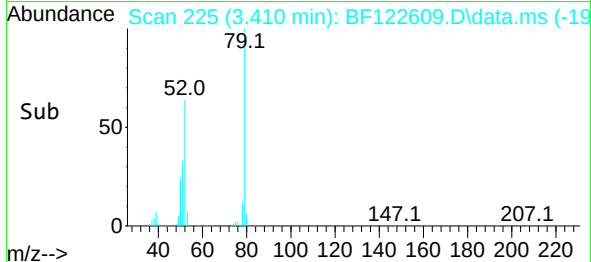
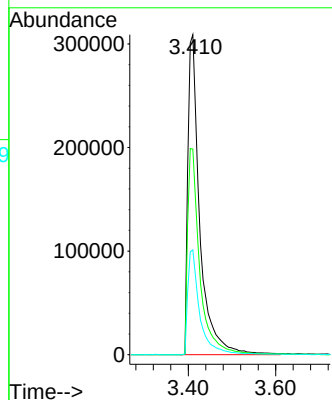
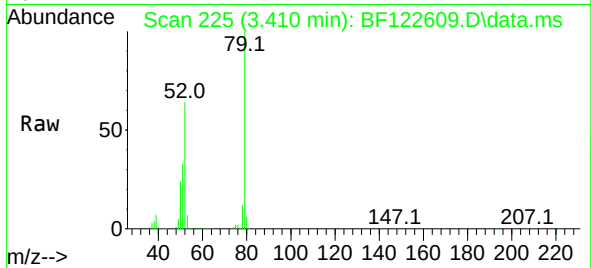




#3
Pyridine
Concen: 40.86 ng
RT: 3.410 min Scan# 225
Delta R.T. 0.053 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

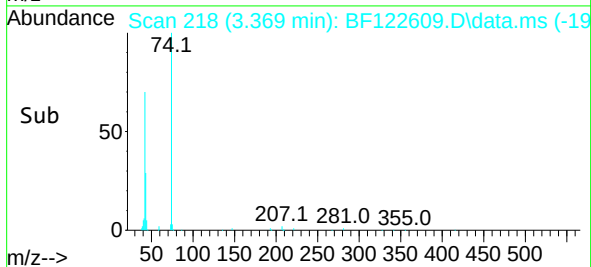
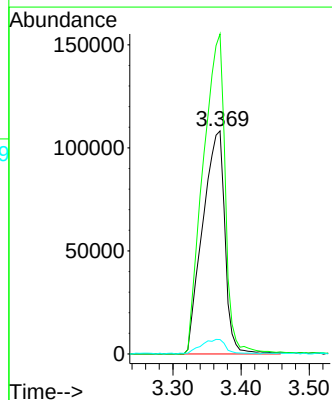
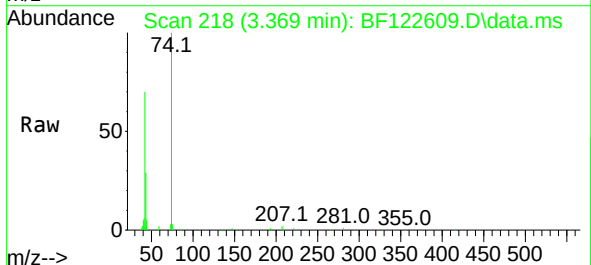
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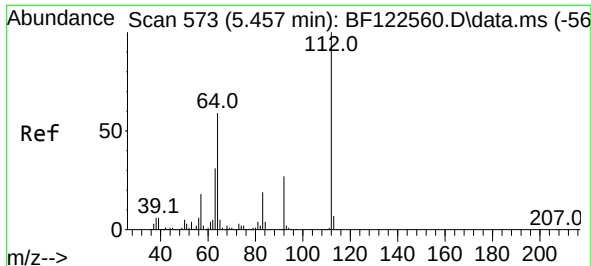
Tgt Ion: 79 Resp: 582302
Ion Ratio Lower Upper
79 100
52 64.3 53.0 79.4
51 32.8 26.6 39.8



#4
n-Nitrosodimethylamine
Concen: 42.95 ng
RT: 3.369 min Scan# 218
Delta R.T. 0.059 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion: 42 Resp: 245452
Ion Ratio Lower Upper
42 100
74 143.5 115.2 172.8
44 6.5 5.4 8.0

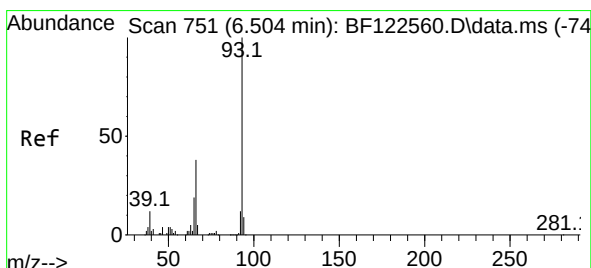
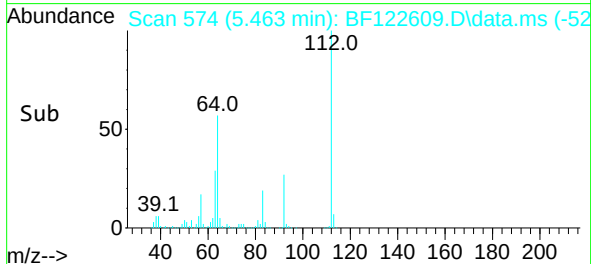
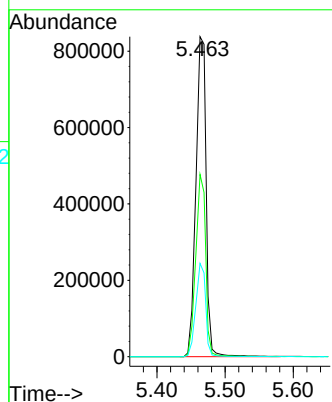
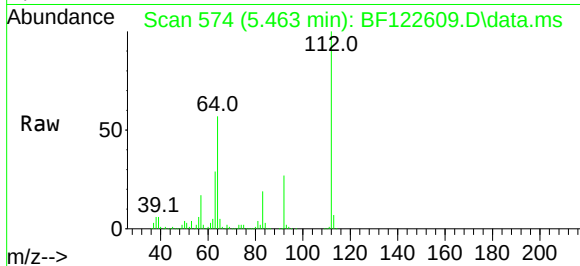




#5
2-Fluorophenol
Concen: 76.07 ng
RT: 5.463 min Scan# 574
Delta R.T. 0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

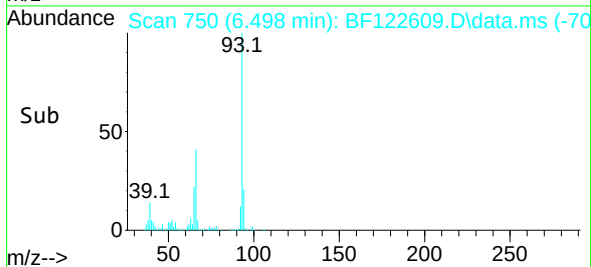
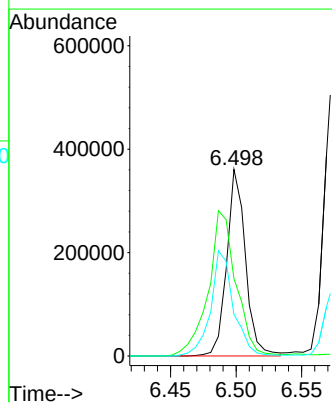
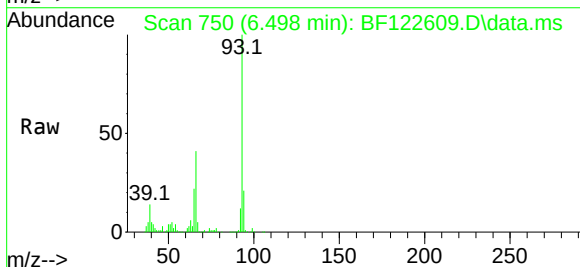
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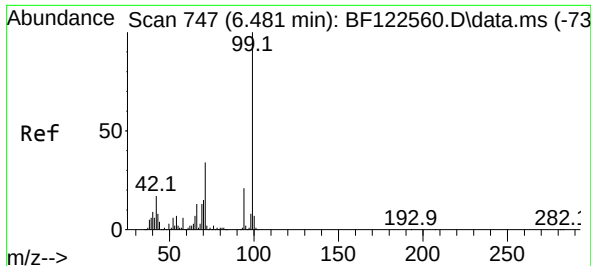
Tgt Ion:112 Resp: 872480
Ion Ratio Lower Upper
112 100
64 57.0 46.9 70.3
63 29.2 24.5 36.7



#6
Aniline
Concen: 20.01 ng
RT: 6.498 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion: 93 Resp: 358274
Ion Ratio Lower Upper
93 100
66 41.4 31.3 46.9
65 22.2 15.6 23.4

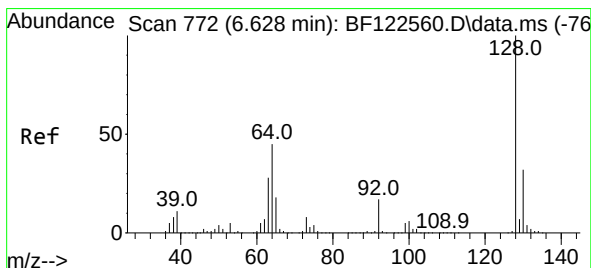
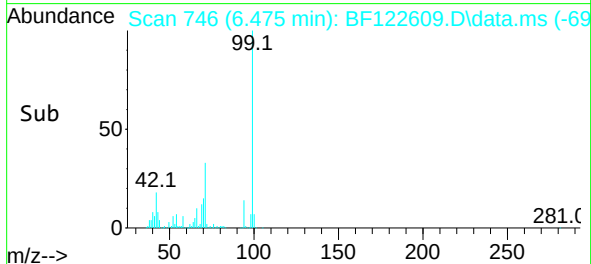
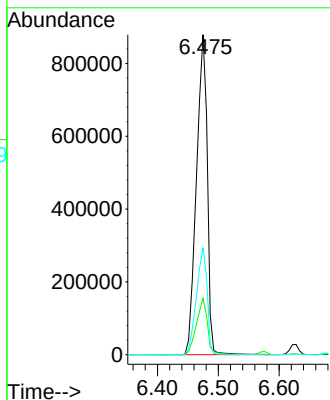
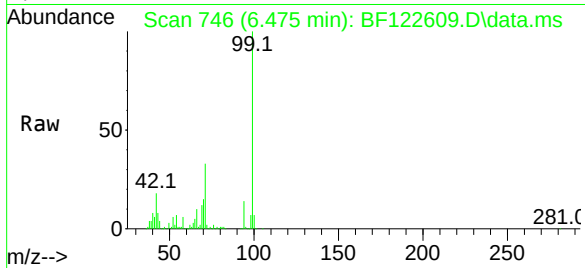




#7
Phenol-d6
Concen: 71.59 ng
RT: 6.475 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

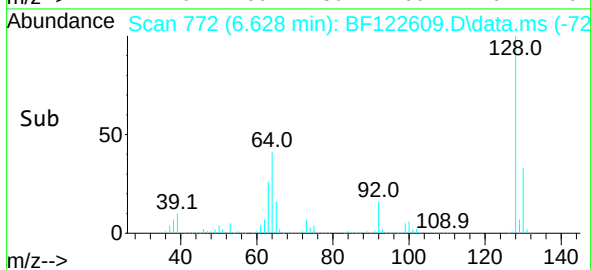
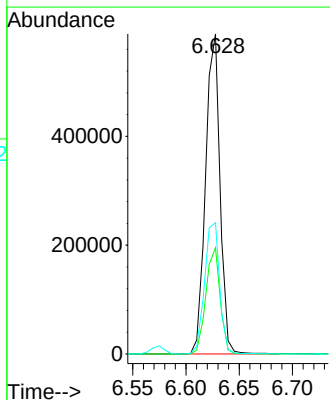
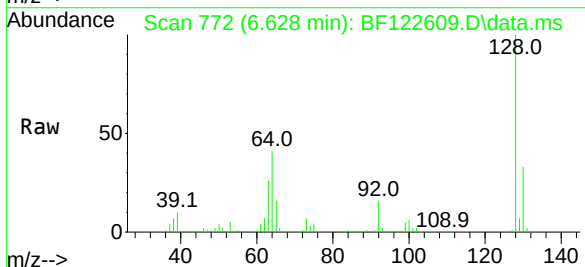
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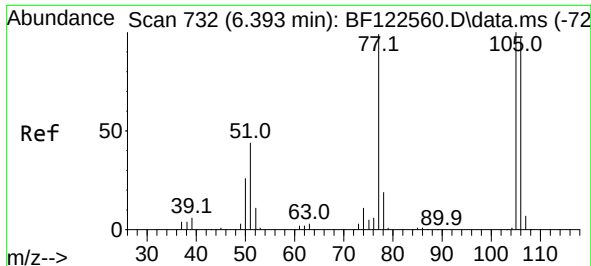
Tgt Ion: 99 Resp: 1088975
Ion Ratio Lower Upper
99 100
42 17.6 13.8 20.6
71 33.3 26.9 40.3



#8
2-Chlorophenol
Concen: 43.90 ng
RT: 6.628 min Scan# 772
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion: 128 Resp: 554929
Ion Ratio Lower Upper
128 100
130 33.2 12.3 52.3
64 41.0 25.5 65.5

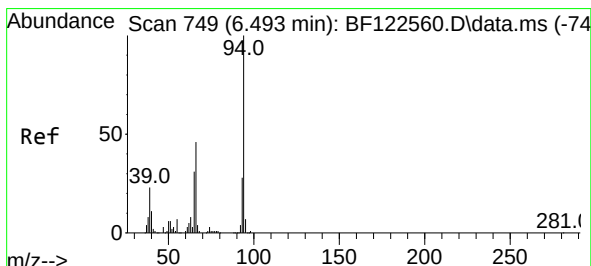
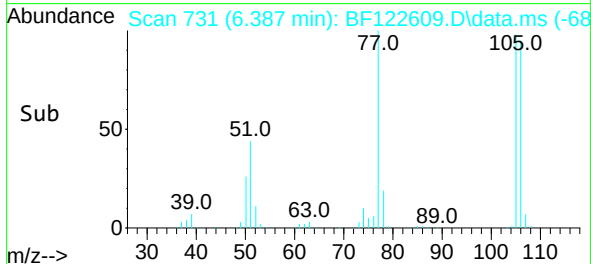
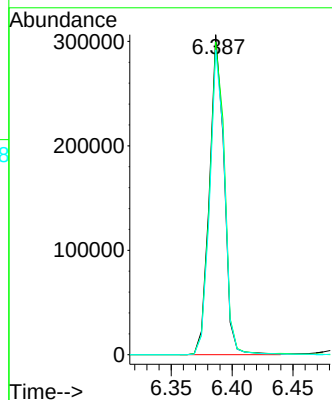
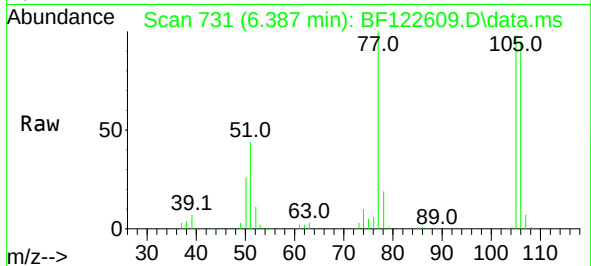




#9
Benzaldehyde
Concen: 27.74 ng
RT: 6.387 min Scan# 731
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

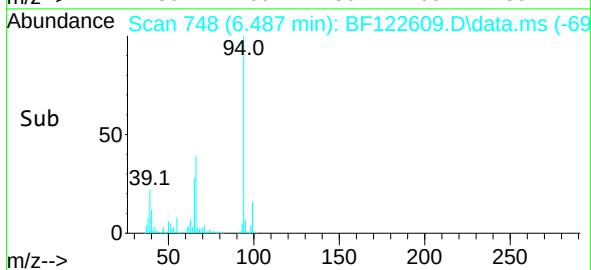
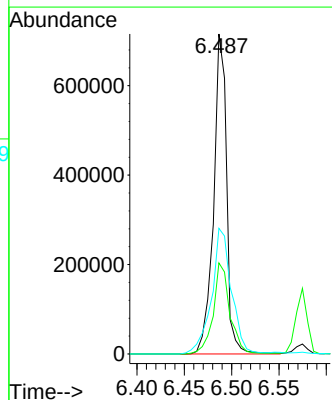
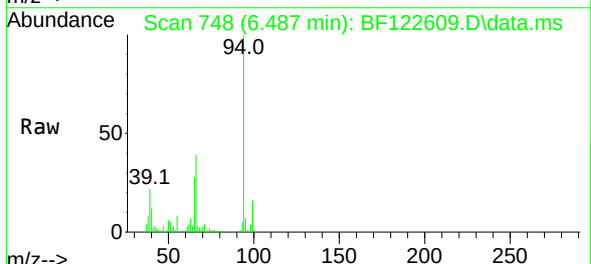
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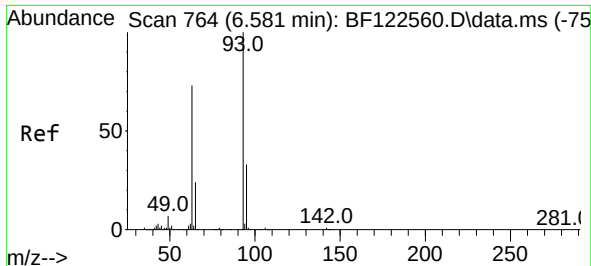
Tgt Ion: 77 Resp: 255450
Ion Ratio Lower Upper
77 100
105 97.8 80.6 120.6
106 95.2 77.2 117.2



#10
Phenol
Concen: 43.27 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion: 94 Resp: 681975
Ion Ratio Lower Upper
94 100
65 28.4 11.2 51.2
66 39.3 25.8 65.8

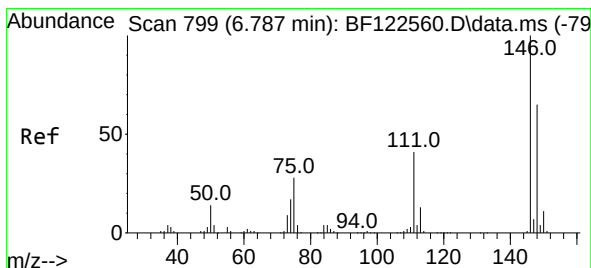
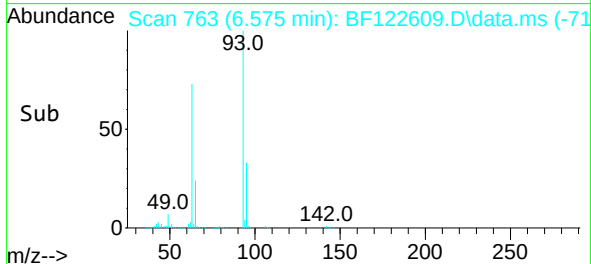
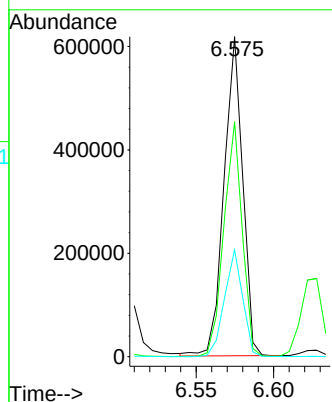
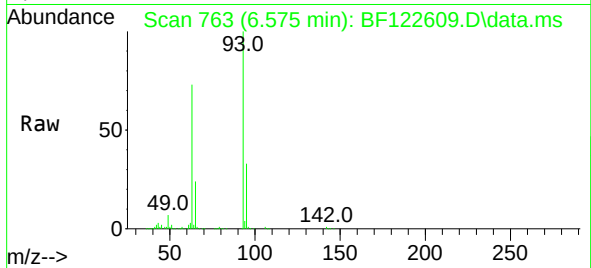




#11
bis(2-Chloroethyl)ether
Concen: 42.98 ng
RT: 6.575 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

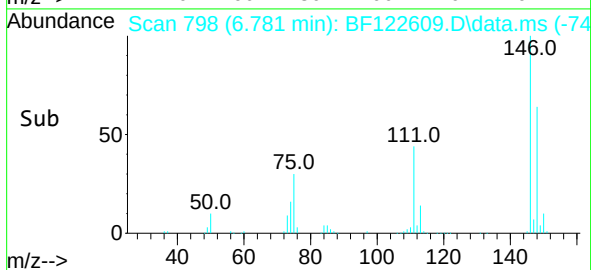
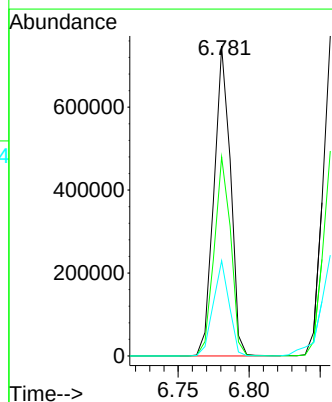
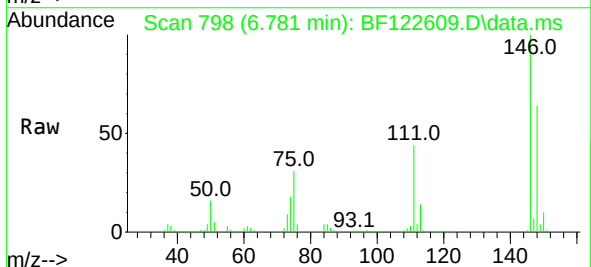
Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

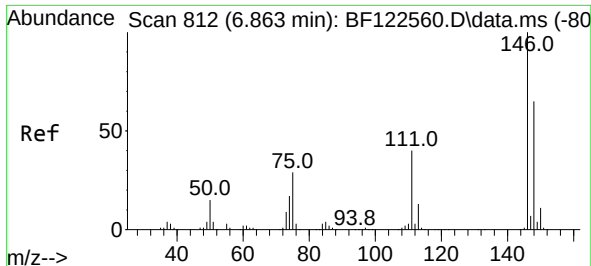
Tgt Ion: 93 Resp: 517614
Ion Ratio Lower Upper
93 100
63 73.4 52.6 92.6
95 33.4 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 40.31 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion: 146 Resp: 603063
Ion Ratio Lower Upper
146 100
148 64.3 51.8 77.8
75 30.7 22.5 33.7

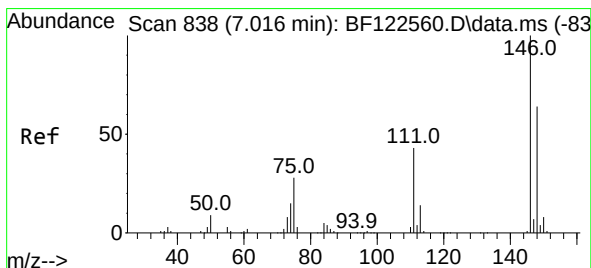
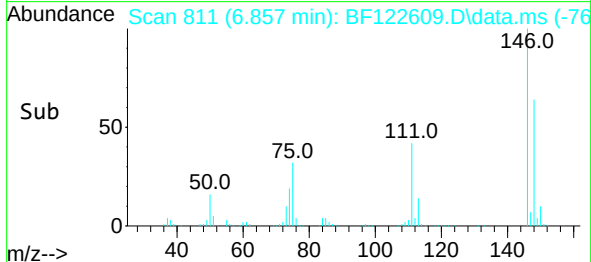
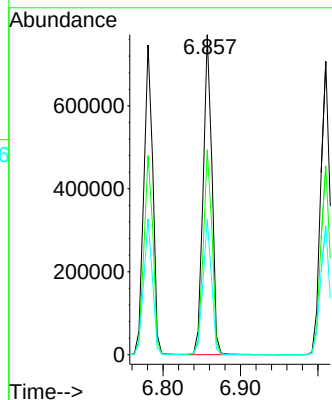
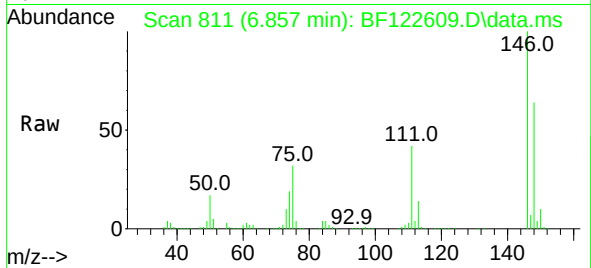




#13
1,4-Dichlorobenzene
Concen: 40.27 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

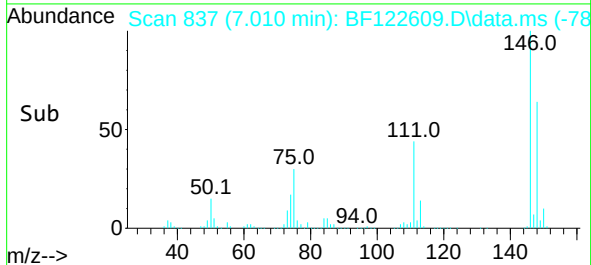
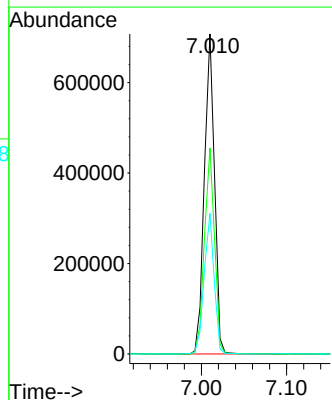
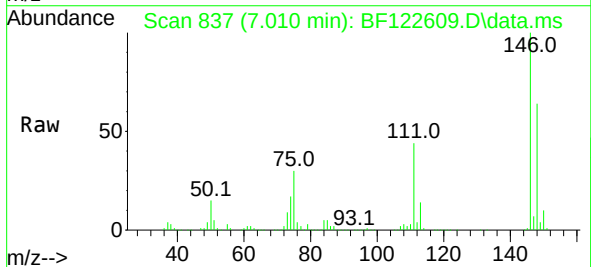
Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

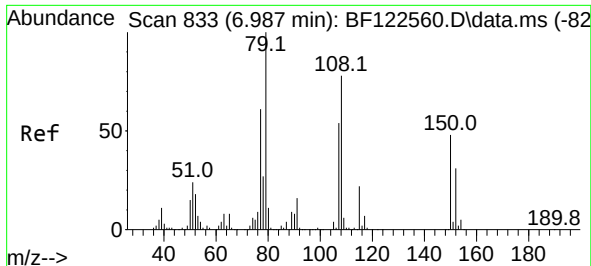
Tgt Ion:146 Resp: 607404
Ion Ratio Lower Upper
146 100
148 64.1 52.0 78.0
111 42.3 32.3 48.5



#14
1,2-Dichlorobenzene
Concen: 40.24 ng
RT: 7.010 min Scan# 837
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion:146 Resp: 585948
Ion Ratio Lower Upper
146 100
148 64.4 51.5 77.3
111 43.9 34.2 51.2

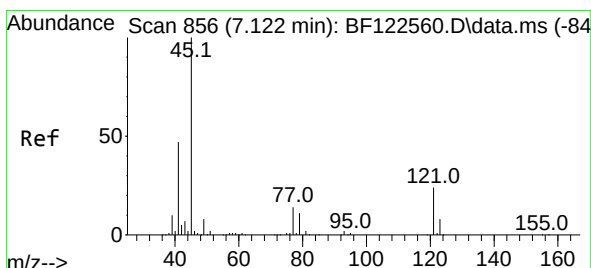
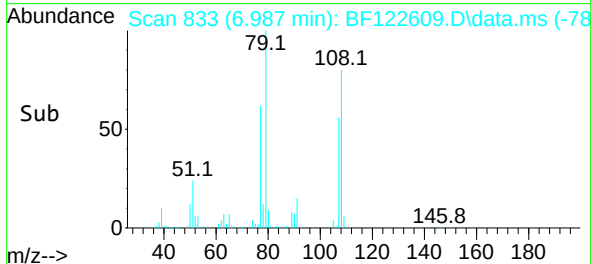
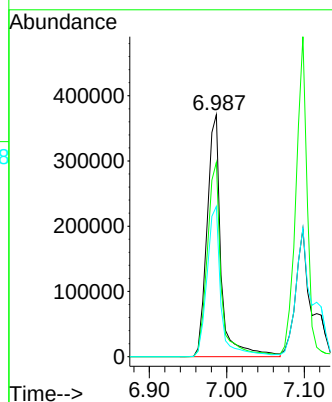
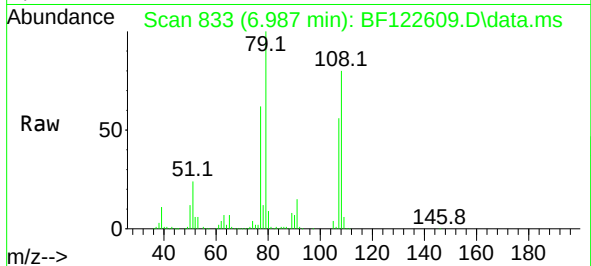




#15
Benzyl Alcohol
Concen: 44.45 ng
RT: 6.987 min Scan# 833
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

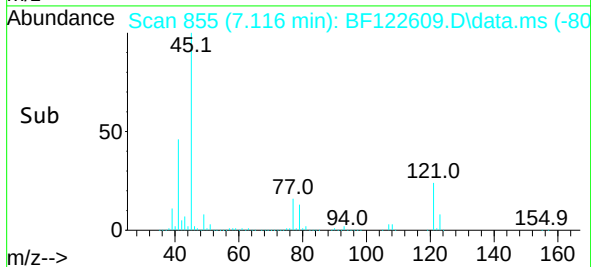
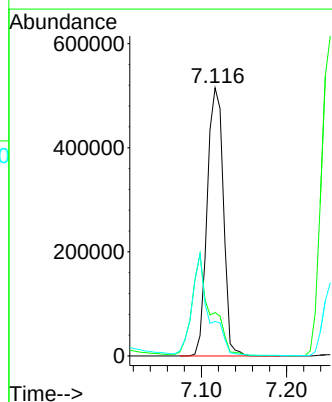
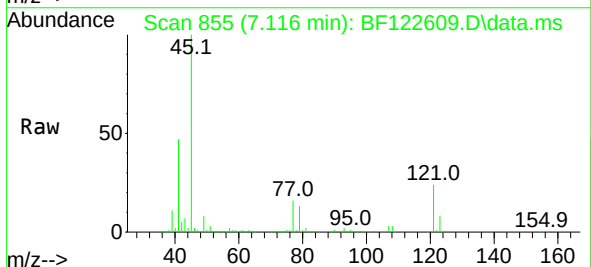
Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

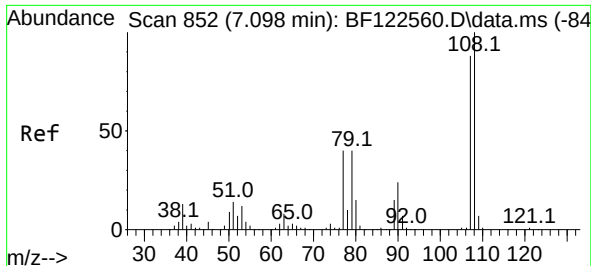
Tgt Ion: 79 Resp: 465585
Ion Ratio Lower Upper
79 100
108 80.3 62.4 93.6
77 62.1 49.0 73.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.37 ng
RT: 7.116 min Scan# 855
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion: 45 Resp: 676017
Ion Ratio Lower Upper
45 100
77 16.2 0.0 35.6
79 12.8 0.0 32.4

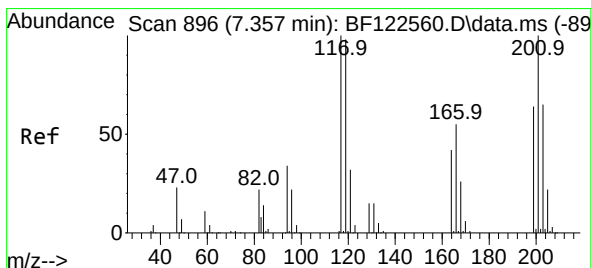
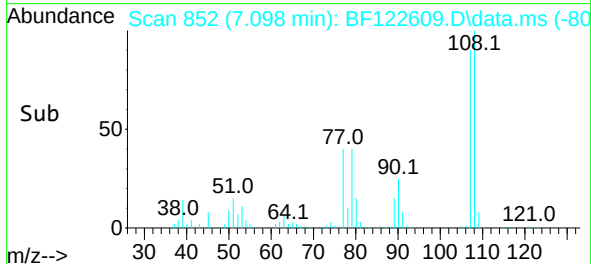
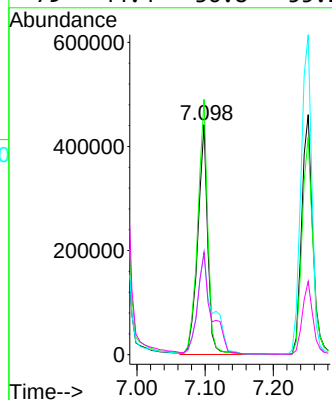
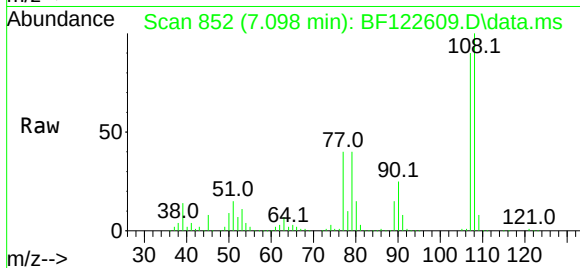




#17
2-Methylphenol
Concen: 44.60 ng
RT: 7.098 min Scan# 852
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

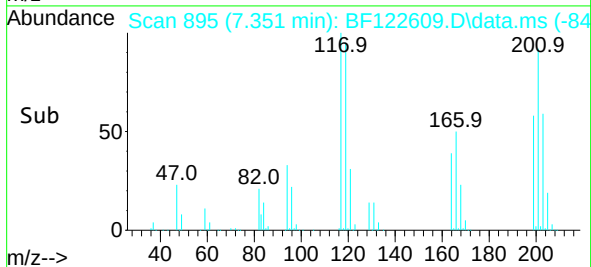
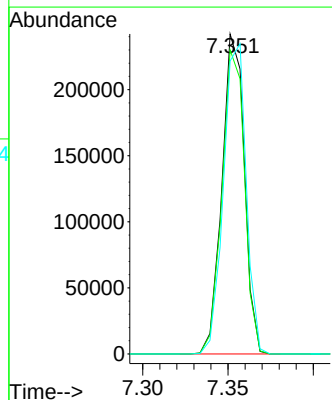
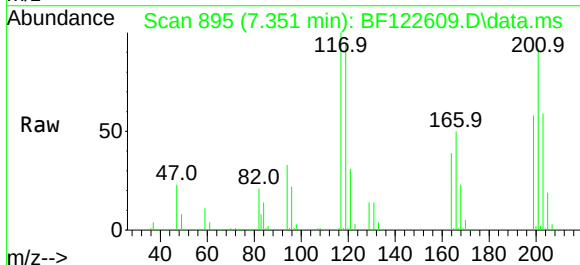
Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

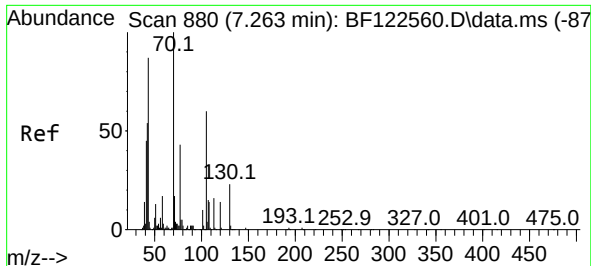
Tgt Ion:	107	Resp:	448171
Ion	Ratio	Lower	Upper
107	100		
108	111.0	91.1	136.7
77	44.6	36.3	54.5
79	44.4	36.8	55.2



#18
Hexachloroethane
Concen: 41.10 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion:	117	Resp:	220918
Ion	Ratio	Lower	Upper
117	100		
119	95.0	78.4	117.6
201	91.5	79.6	119.4

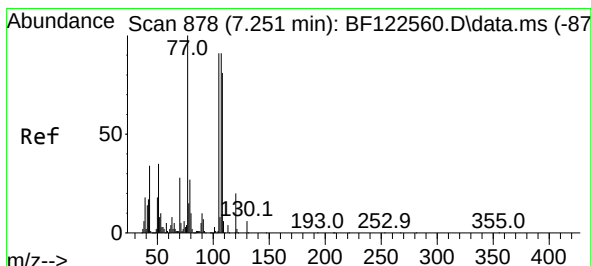
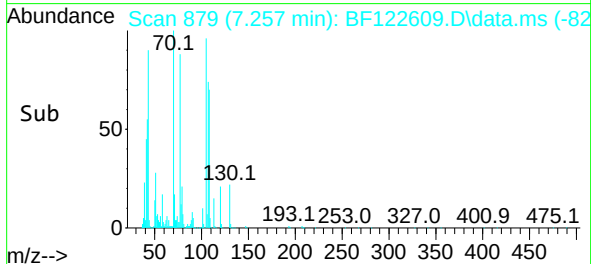
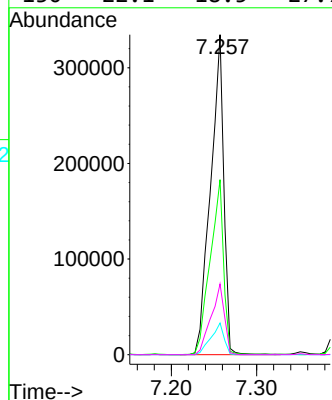
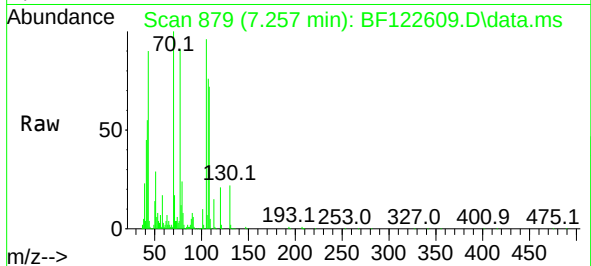




#19
n-Nitroso-di-n-propylamine
Concen: 41.60 ng
RT: 7.257 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

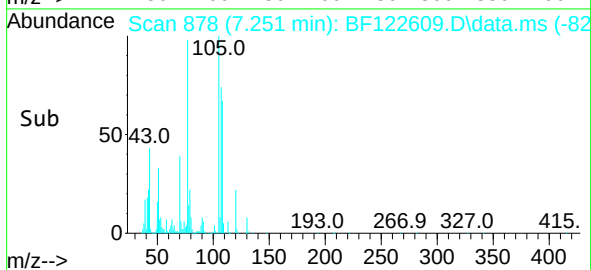
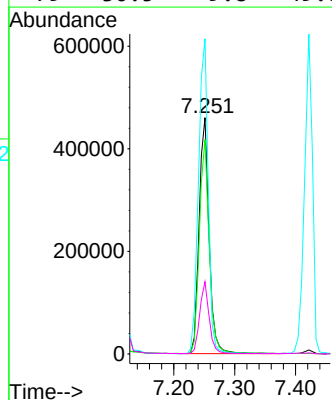
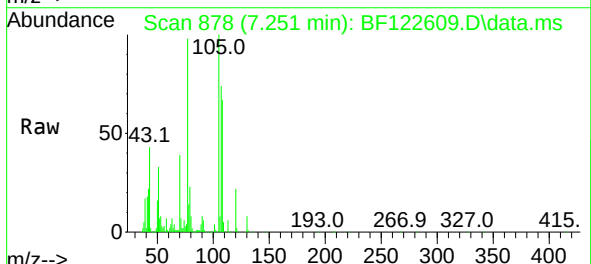
Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

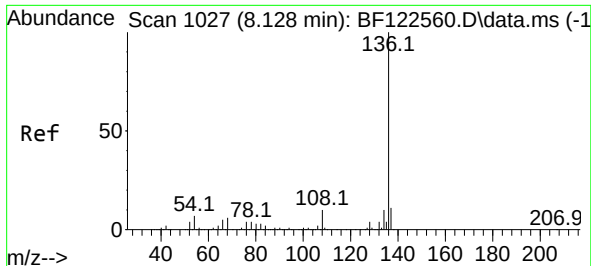
Tgt Ion: 70 Resp: 362468
Ion Ratio Lower Upper
70 100
42 54.7 43.0 64.4
101 9.9 7.9 11.9
130 22.1 18.5 27.7



#20
3+4-Methylphenols
Concen: 41.06 ng
RT: 7.251 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

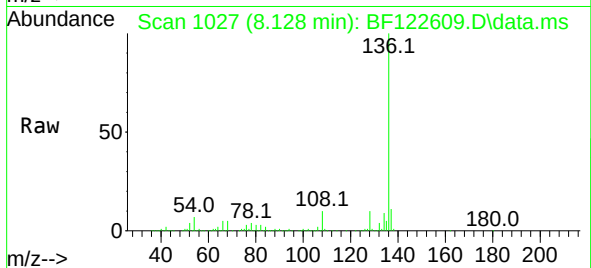
Tgt Ion: 107 Resp: 521304
Ion Ratio Lower Upper
107 100
108 90.7 68.7 108.7
77 133.4 89.8 129.8#
79 30.5 9.8 49.8



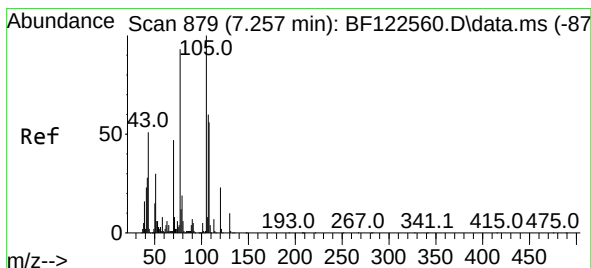
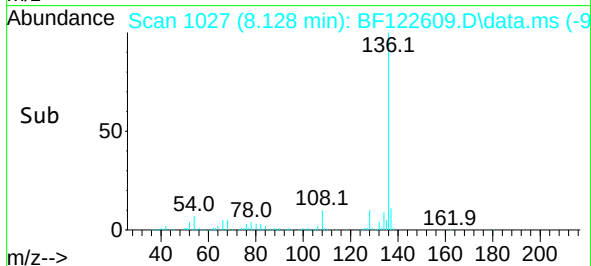
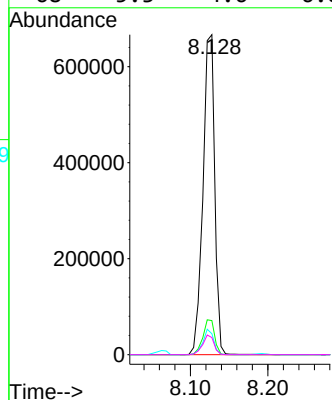


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

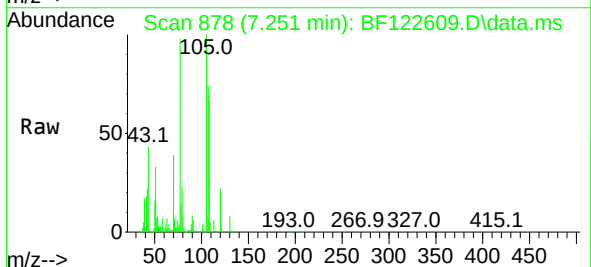
Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD



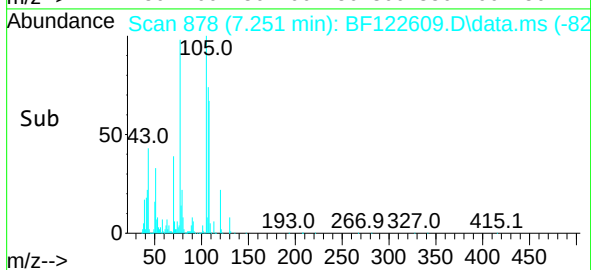
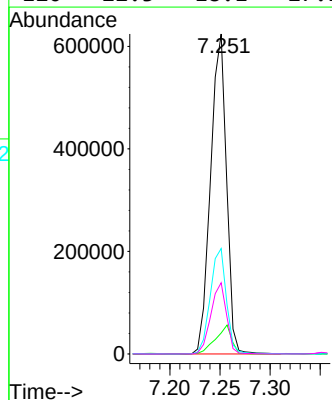
Tgt	Ion:136	Resp:	703718
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	6.6	5.5	8.3
68	5.3	4.6	6.8

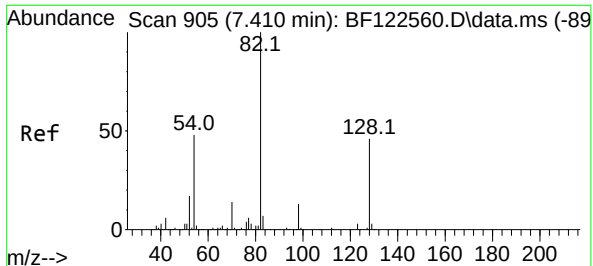


#22
Acetophenone
Concen: 39.44 ng
RT: 7.251 min Scan# 878
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02



Tgt	Ion:105	Resp:	690143
Ion	Ratio	Lower	Upper
105	100		
71	6.5	6.5	9.7
51	32.9	24.3	36.5
120	22.3	18.1	27.1





#23

Nitrobenzene-d5

Concen: 48.90 ng

RT: 7.404 min Scan# 904

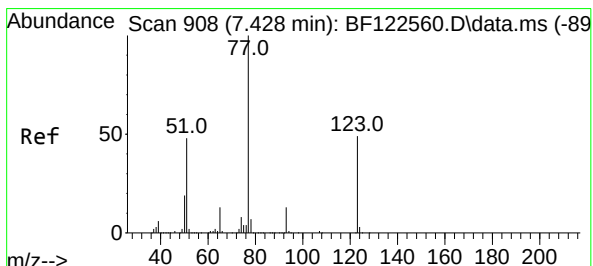
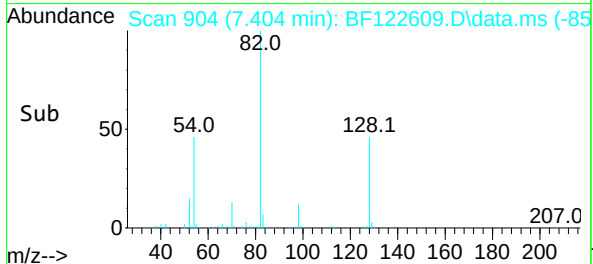
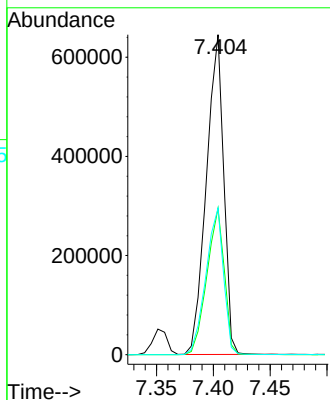
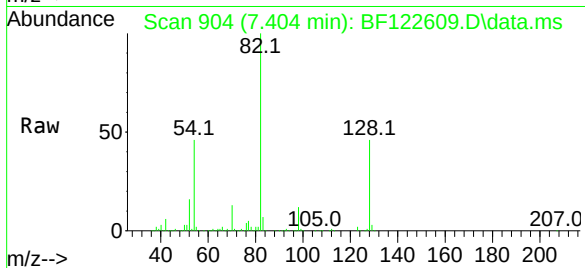
Delta R.T. -0.006 min

Lab File: BF122609.D

Acq: 9 Dec 2020 13:02

Tgt Ion: 82 Resp: 686795

Ion	Ratio	Lower	Upper
82	100		
128	45.8	37.0	55.4
54	45.8	38.4	57.6



#24

Nitrobenzene

Concen: 40.66 ng

RT: 7.422 min Scan# 907

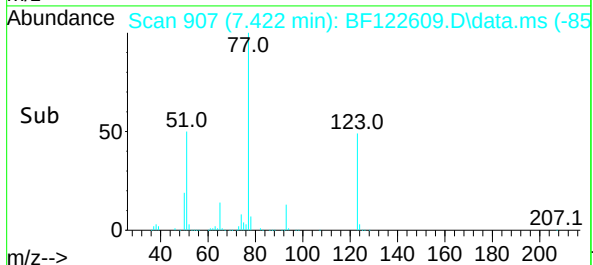
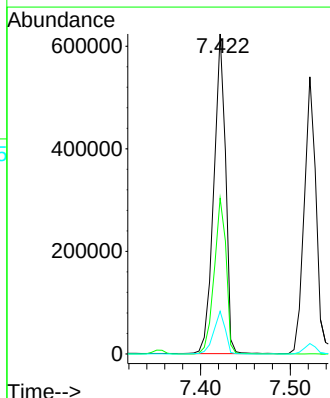
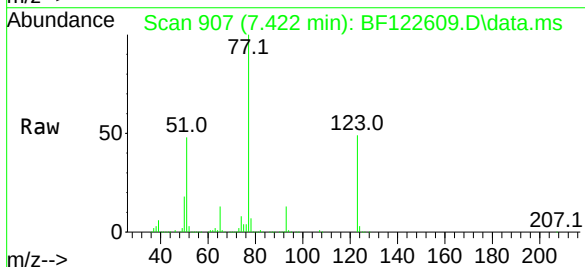
Delta R.T. -0.006 min

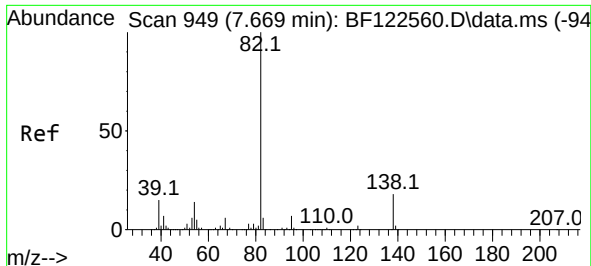
Lab File: BF122609.D

Acq: 9 Dec 2020 13:02

Tgt Ion: 77 Resp: 568192

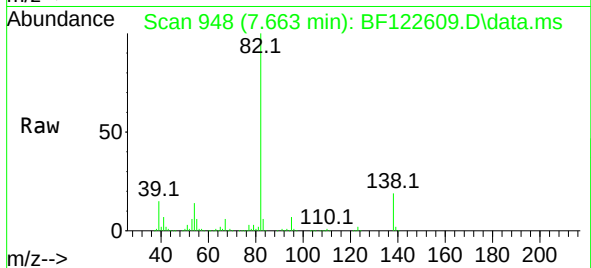
Ion	Ratio	Lower	Upper
77	100		
123	48.7	39.3	58.9
65	13.3	10.6	15.8



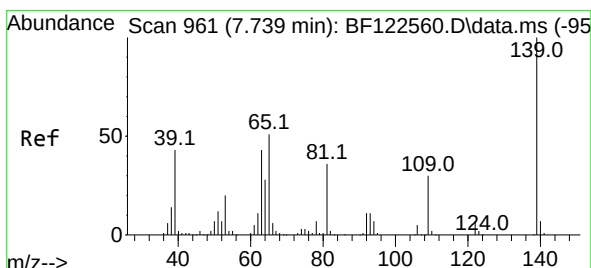
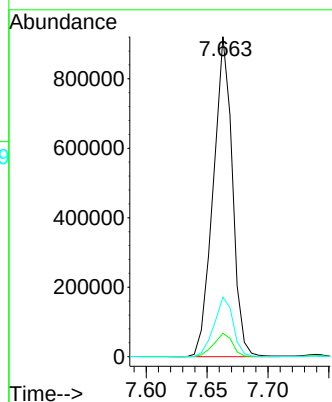
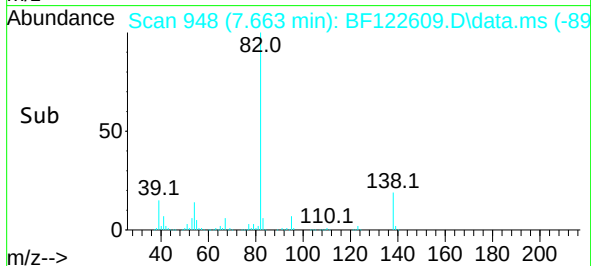


#25
Isophorone
Concen: 41.69 ng
RT: 7.663 min Scan# 948
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

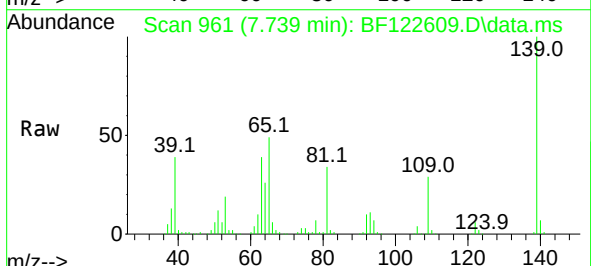
Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD



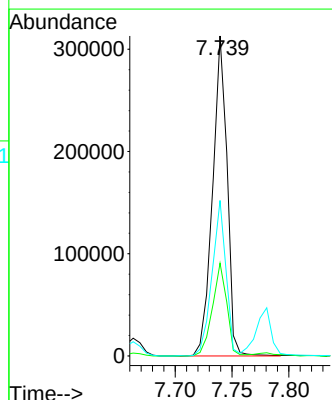
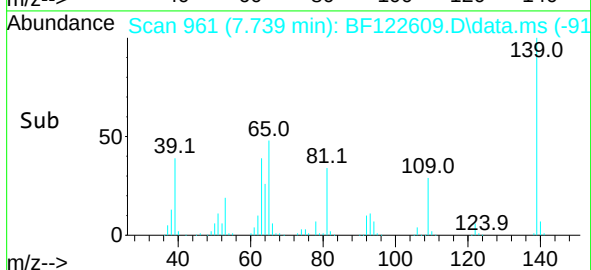
Tgt Ion: 82 Resp: 1008492
Ion Ratio Lower Upper
82 100
95 7.3 5.8 8.6
138 18.6 14.6 21.8

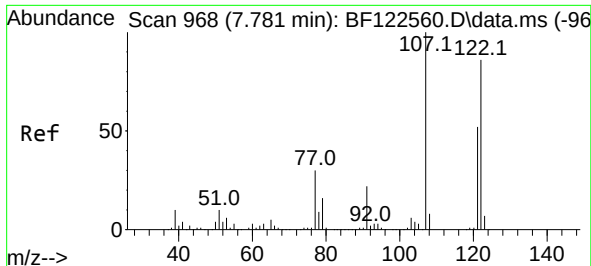


#26
2-Nitrophenol
Concen: 40.82 ng
RT: 7.739 min Scan# 961
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02



Tgt Ion: 139 Resp: 278196
Ion Ratio Lower Upper
139 100
109 29.0 24.0 36.0
65 48.6 40.9 61.3

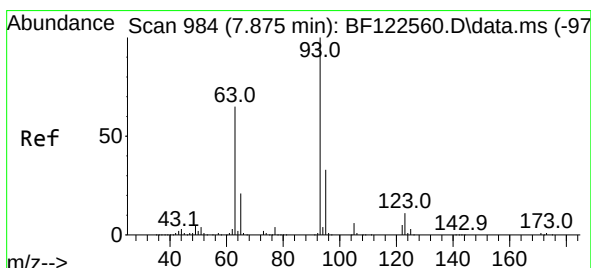
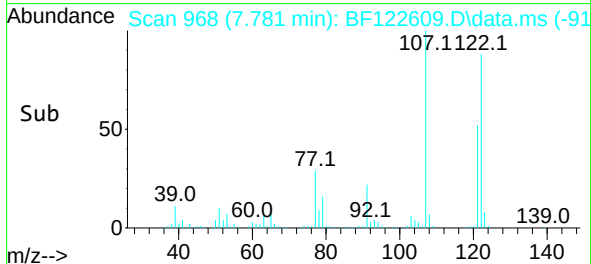
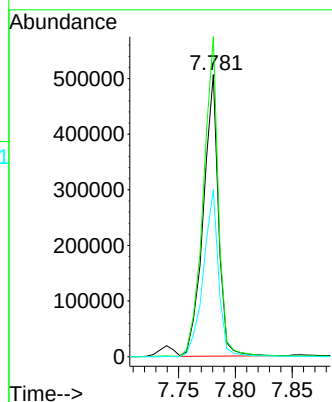
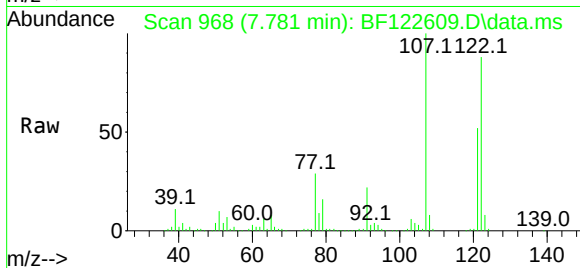




#27
2,4-Dimethylphenol
Concen: 47.01 ng
RT: 7.781 min Scan# 968
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

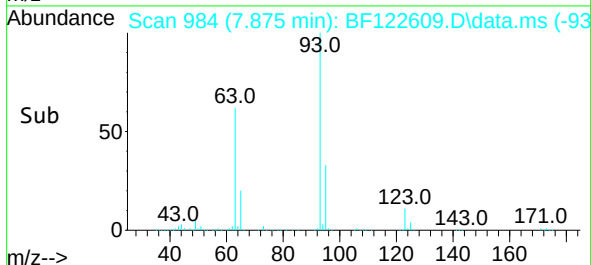
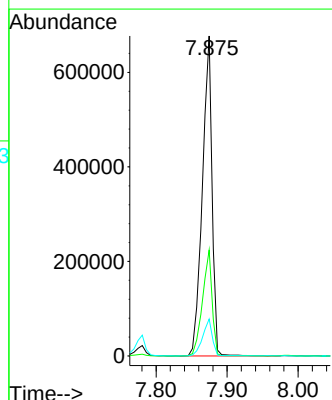
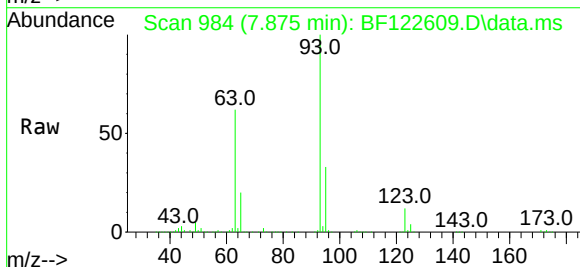
Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

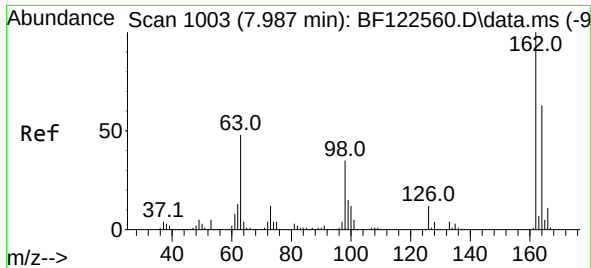
Tgt Ion:122 Resp: 469552
Ion Ratio Lower Upper
122 100
107 113.4 91.8 137.8
121 59.2 47.3 70.9



#28
bis(2-Chloroethoxy)methane
Concen: 38.99 ng
RT: 7.875 min Scan# 984
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion: 93 Resp: 645963
Ion Ratio Lower Upper
93 100
95 33.1 26.2 39.2
123 11.5 9.2 13.8

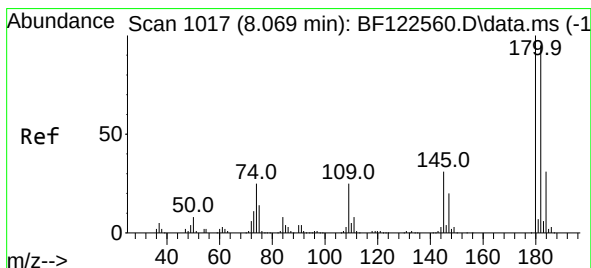
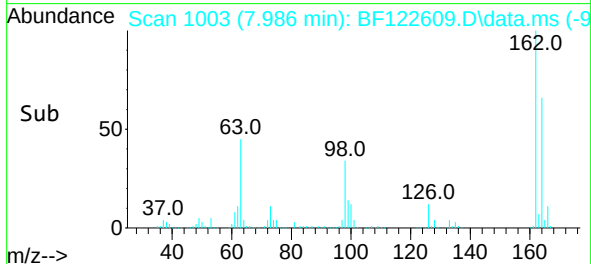
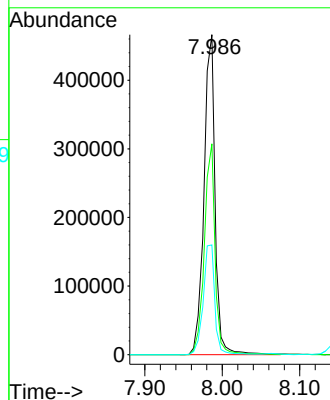
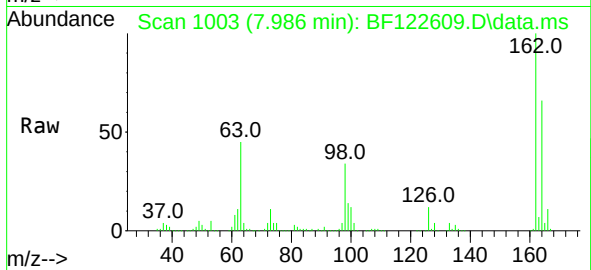




#29
2,4-Dichlorophenol
Concen: 39.94 ng
RT: 7.986 min Scan# 1003
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

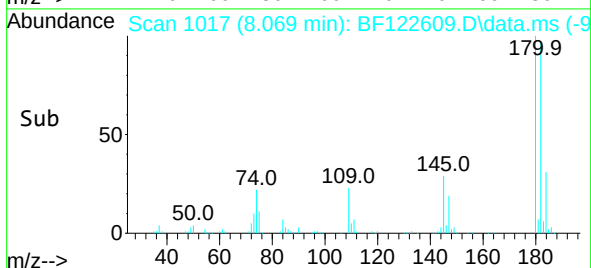
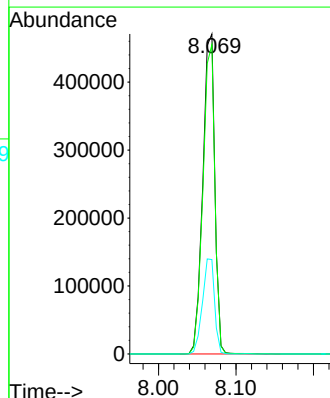
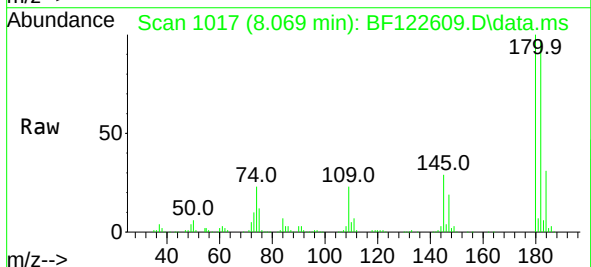
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ClientSampleId :
HSD-SOILMSD

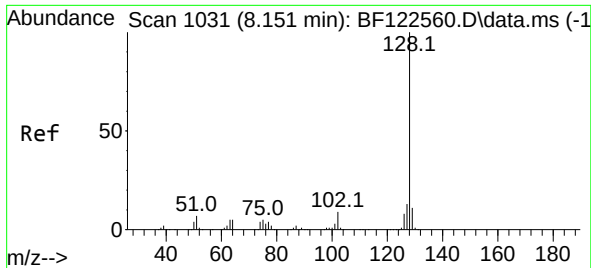
Tgt Ion:162 Resp: 465861
Ion Ratio Lower Upper
162 100
164 65.9 43.2 83.2
98 34.3 15.2 55.2



#30
1,2,4-Trichlorobenzene
Concen: 38.34 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

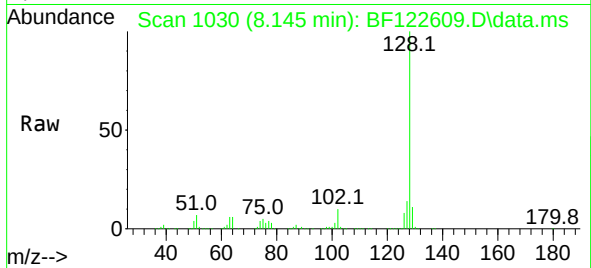
Tgt Ion:180 Resp: 506724
Ion Ratio Lower Upper
180 100
182 96.7 75.7 113.5
145 29.5 25.0 37.4



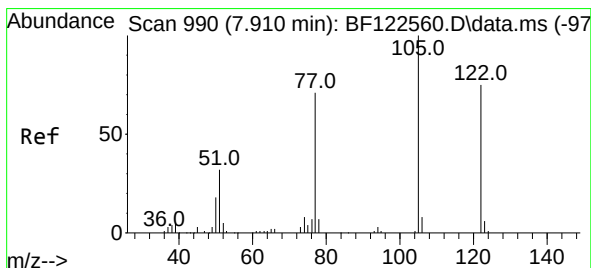
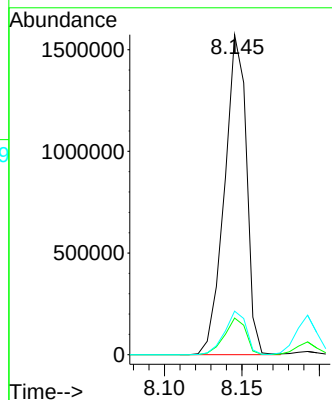
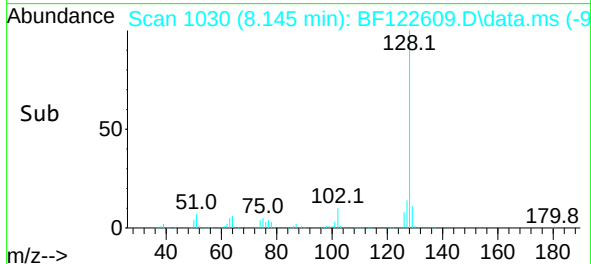


#31
Naphthalene
Concen: 39.91 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

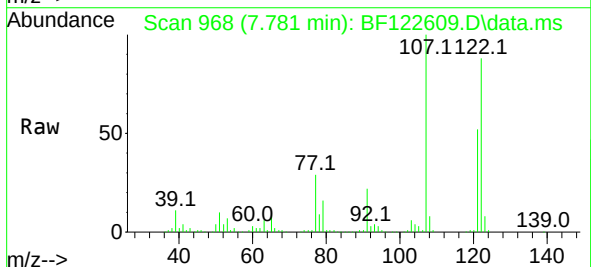
Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD



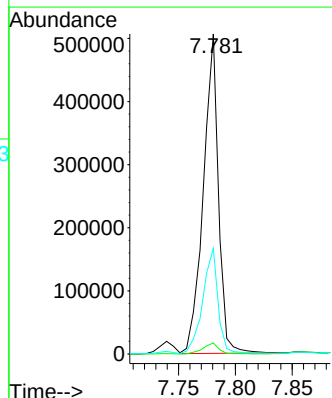
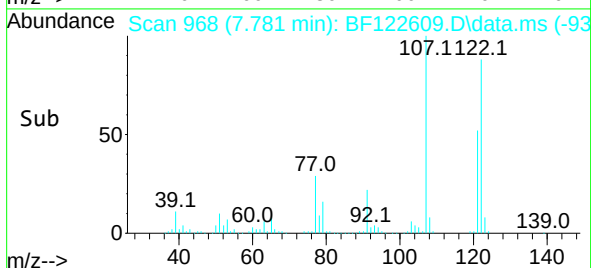
Tgt Ion:128 Resp: 1549965
Ion Ratio Lower Upper
128 100
129 11.5 9.0 13.6
127 13.6 10.7 16.1

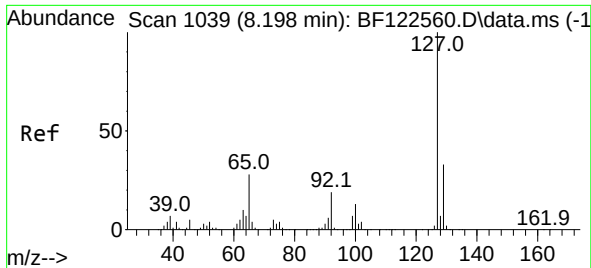


#32
Benzoic acid
Concen: 59.00 ng
RT: 7.781 min Scan# 968
Delta R.T. -0.129 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02



Tgt Ion:122 Resp: 469552
Ion Ratio Lower Upper
122 100
105 3.5 104.8 144.8#
77 33.0 71.0 111.0#

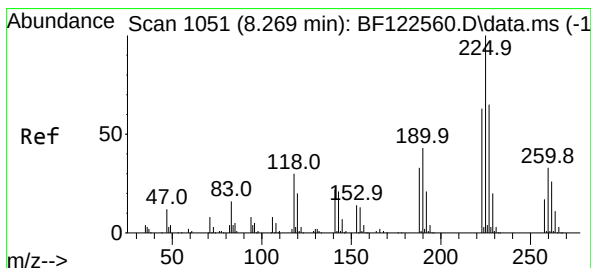
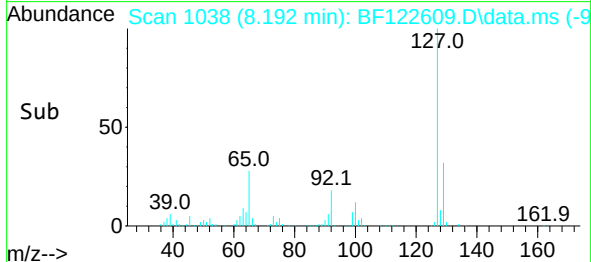
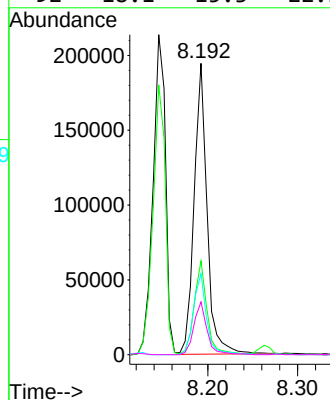
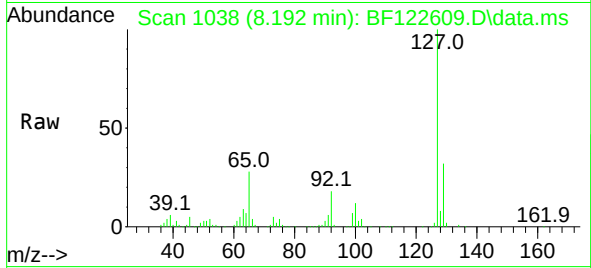




#33
4-Chloroaniline
Concen: 12.01 ng
RT: 8.192 min Scan# 1038
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

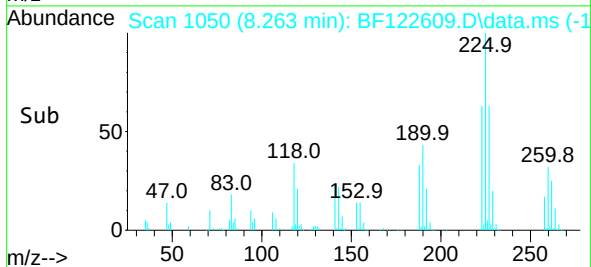
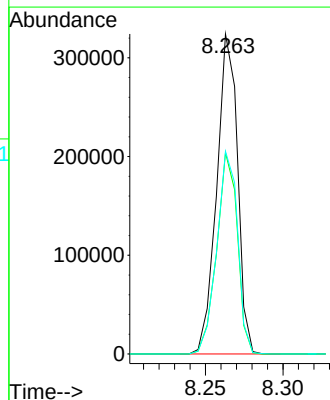
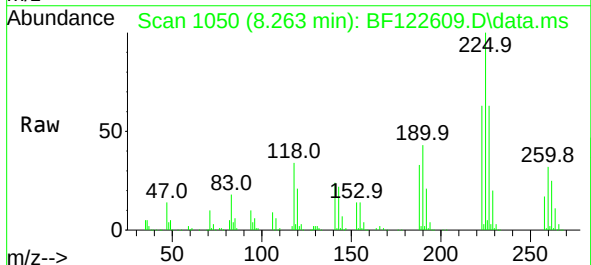
Instrument :
BNA_F
ClientSampleId :
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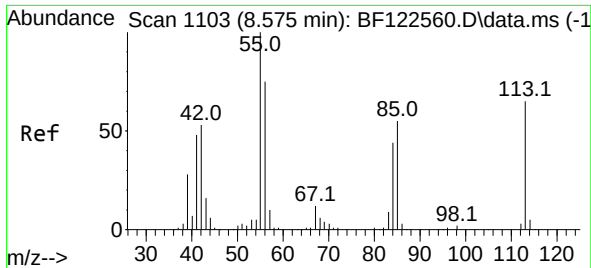
Tgt Ion:127	Resp: 194909
Ion Ratio	Lower Upper
127 100	
129 32.2	26.2 39.2
65 27.9	22.2 33.2
92 18.1	15.3 22.9



#34
Hexachlorobutadiene
Concen: 37.13 ng
RT: 8.263 min Scan# 1050
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion:225	Resp: 302003
Ion Ratio	Lower Upper
225 100	
223 62.9	50.7 76.1
227 63.3	51.7 77.5

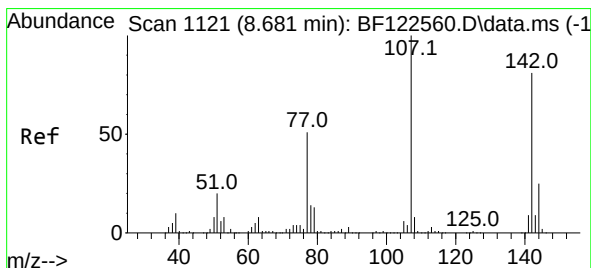
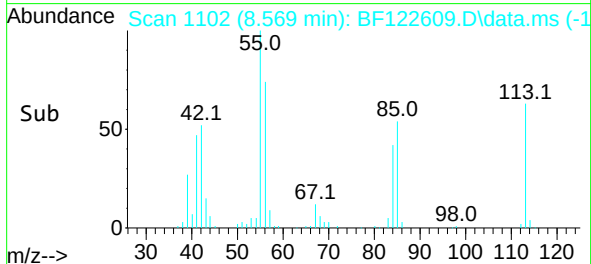
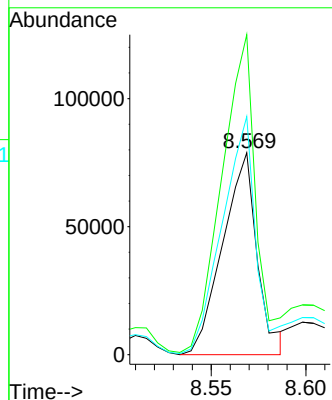
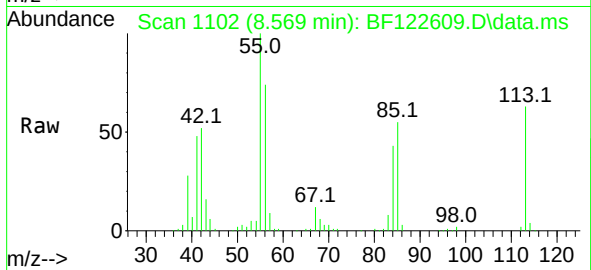




#35
Caprolactam
Concen: 28.36 ng
RT: 8.569 min Scan# 1102
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

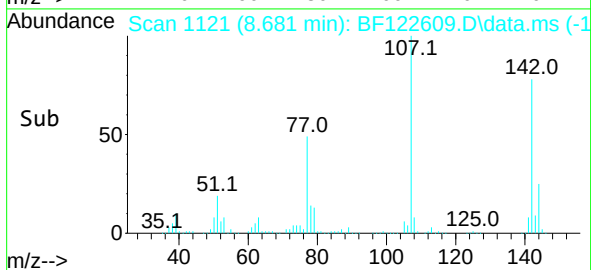
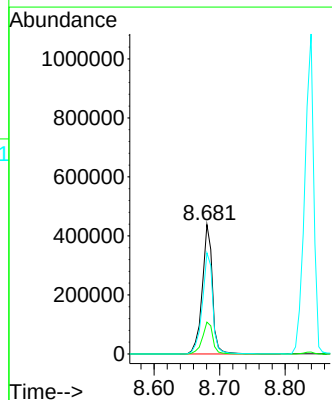
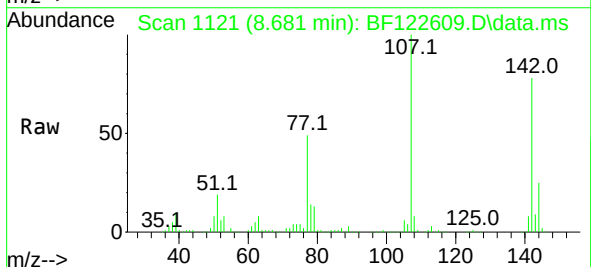
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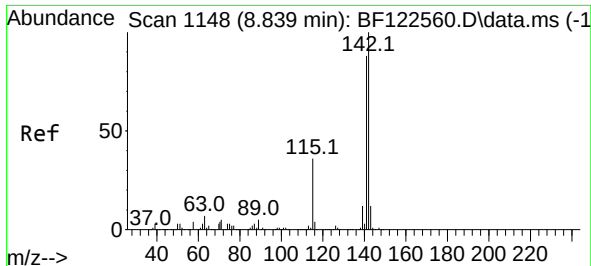
Tgt Ion:113 Resp: 99649
Ion Ratio Lower Upper
113 100
55 158.4 133.7 173.7
56 117.9 95.3 135.3



#36
4-Chloro-3-methylphenol
Concen: 41.07 ng
RT: 8.681 min Scan# 1121
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion:107 Resp: 471878
Ion Ratio Lower Upper
107 100
144 24.7 20.2 30.2
142 78.1 64.4 96.6

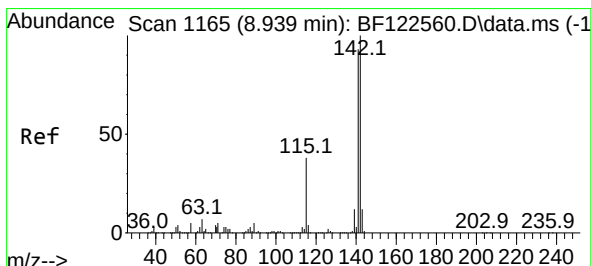
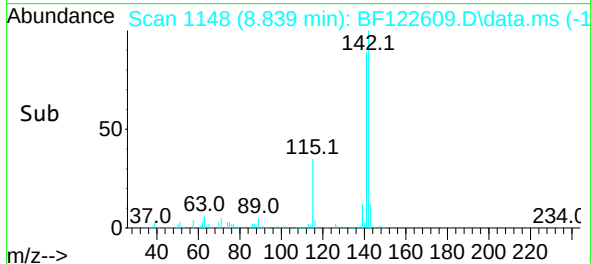
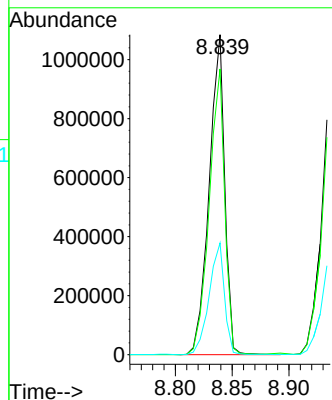
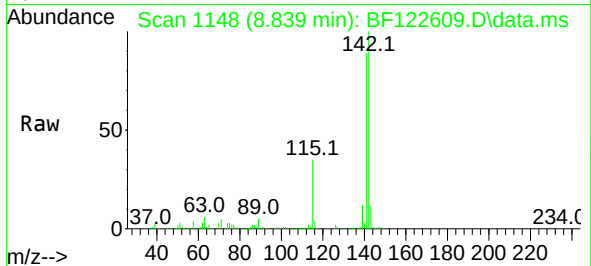




#37
2-Methylnaphthalene
Concen: 40.13 ng
RT: 8.839 min Scan# 1148
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

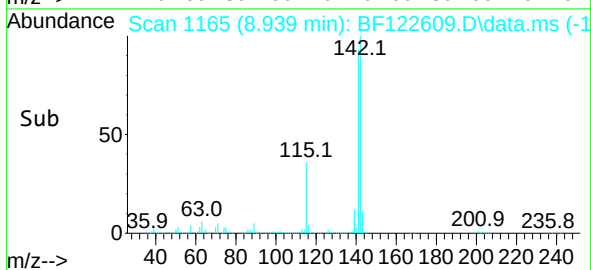
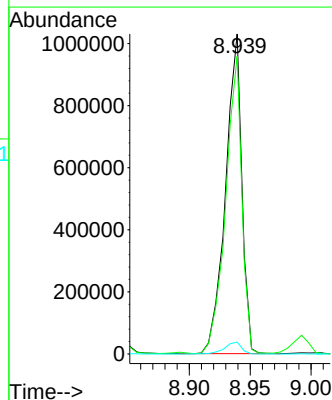
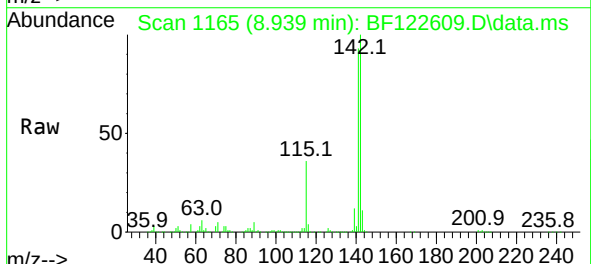
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BNA_F
ClientSampleId :
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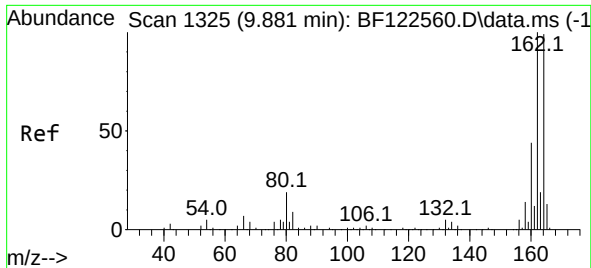
Tgt Ion:142 Resp: 1030732
Ion Ratio Lower Upper
142 100
141 89.3 70.6 106.0
115 34.9 28.7 43.1



#38
1-Methylnaphthalene
Concen: 39.65 ng
RT: 8.939 min Scan# 1165
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion:142 Resp: 963607
Ion Ratio Lower Upper
142 100
141 93.0 74.5 111.7
116 3.7 3.2 4.8

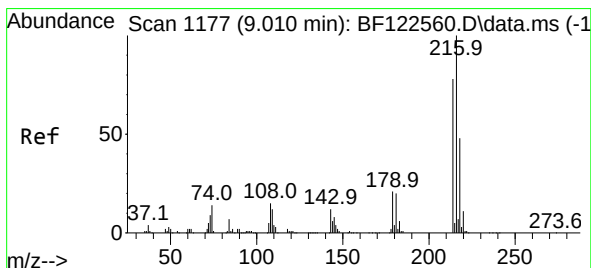
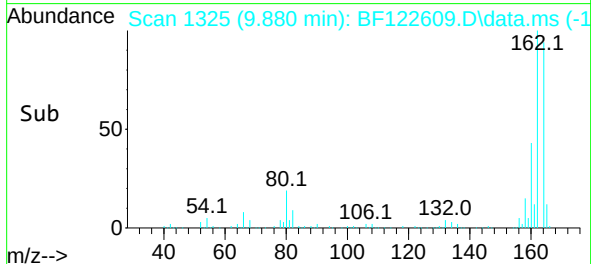
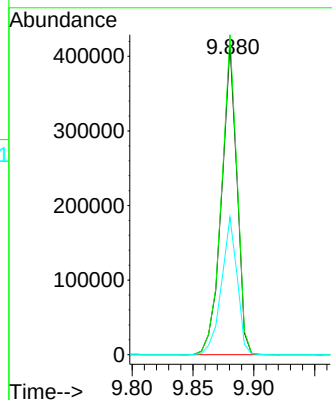
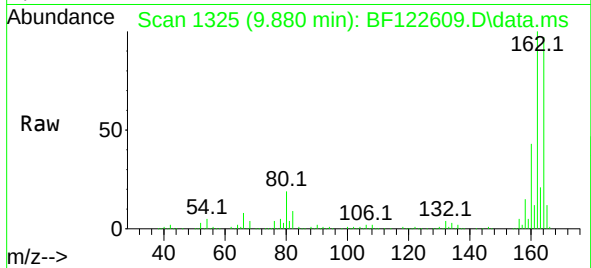




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.001 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

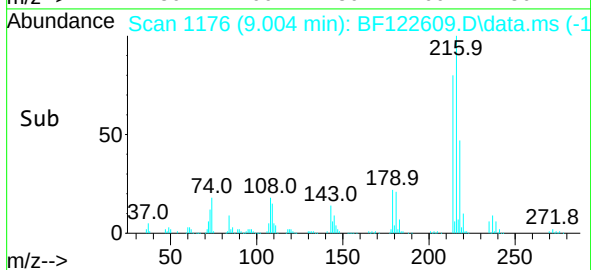
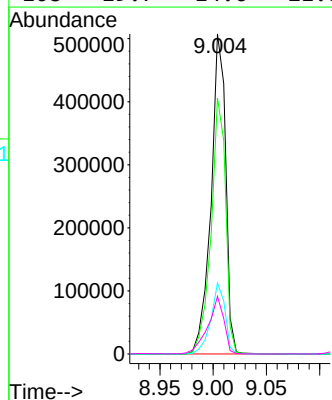
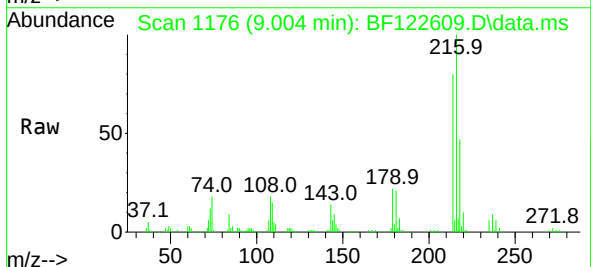
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ClientSampleId :
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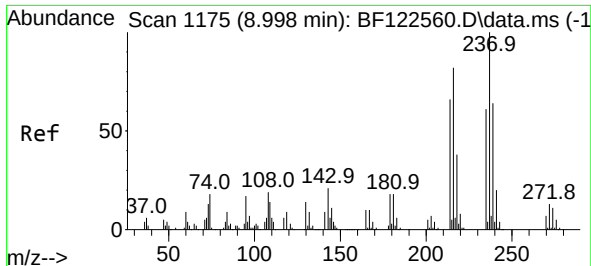
Tgt Ion:164 Resp: 367969
Ion Ratio Lower Upper
164 100
162 103.0 80.8 121.2
160 44.4 35.4 53.0



#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.83 ng
RT: 9.004 min Scan# 1176
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion:216 Resp: 485481
Ion Ratio Lower Upper
216 100
214 79.5 63.1 94.7
179 21.5 17.1 25.7
108 19.7 14.6 21.8

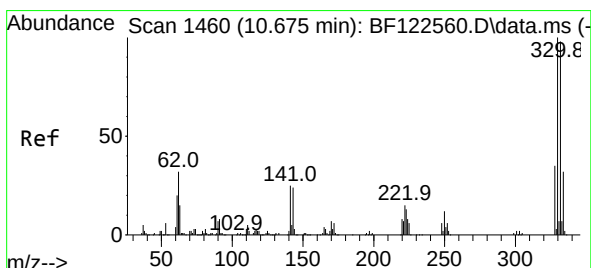
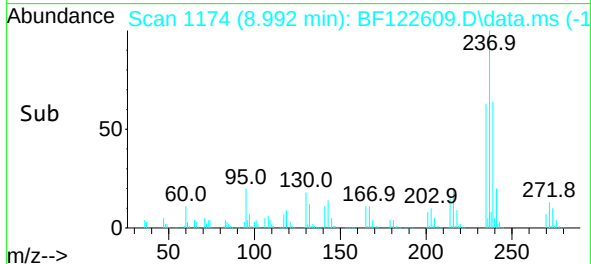
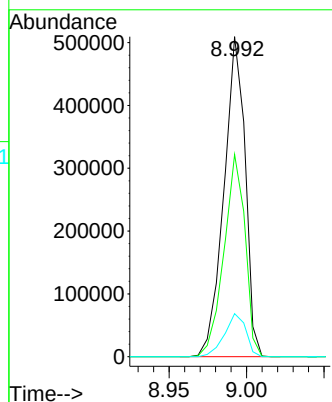
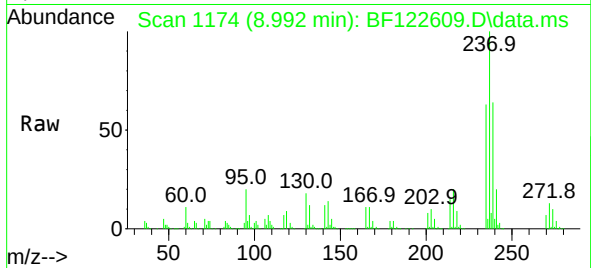




#41
Hexachlorocyclopentadiene
Concen: 90.09 ng
RT: 8.992 min Scan# 1174
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

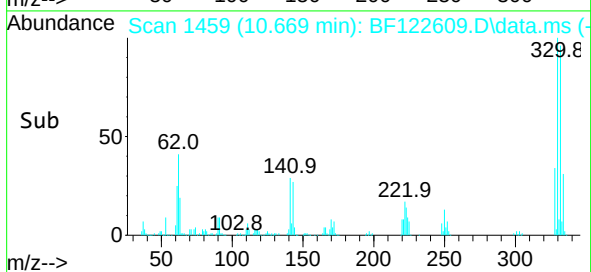
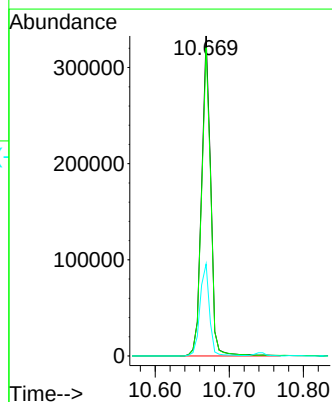
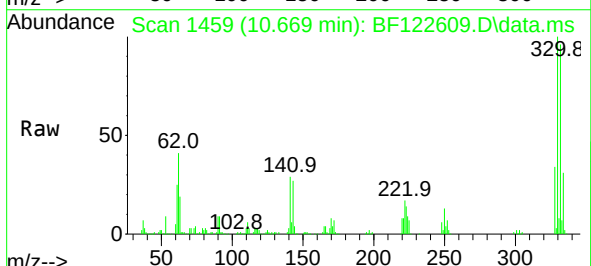
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ClientSampleId :
HSD-SOILMSD

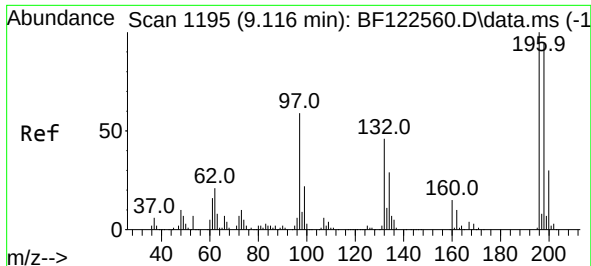
Tgt Ion:237 Resp: 485454
Ion Ratio Lower Upper
237 100
235 63.2 40.9 80.9
272 13.5 0.0 33.4



#42
2,4,6-Tribromophenol
Concen: 58.69 ng
RT: 10.669 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion:330 Resp: 282672
Ion Ratio Lower Upper
330 100
332 97.2 77.5 116.3
141 29.8 23.8 35.8

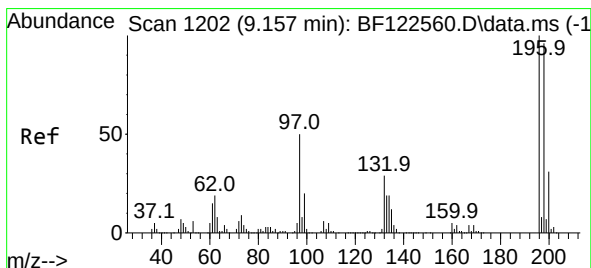
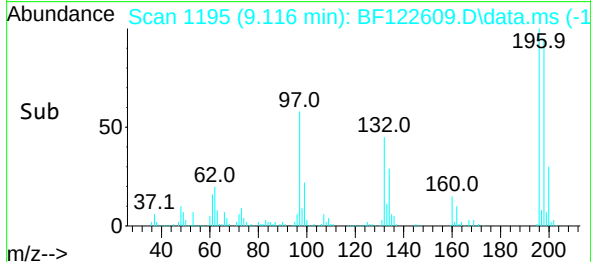
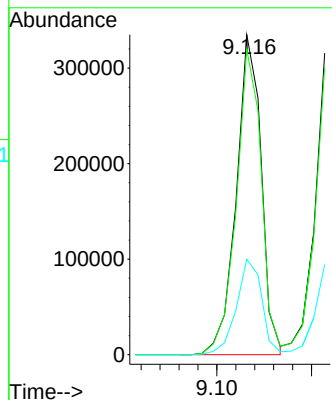
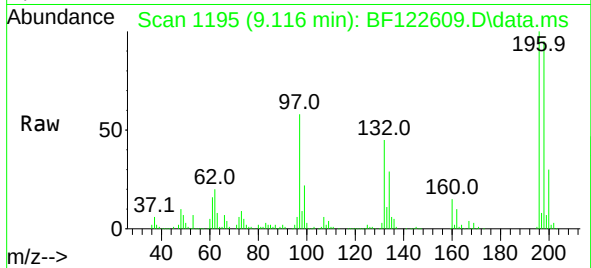




#43
2,4,6-Trichlorophenol
Concen: 36.32 ng
RT: 9.116 min Scan# 1195
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

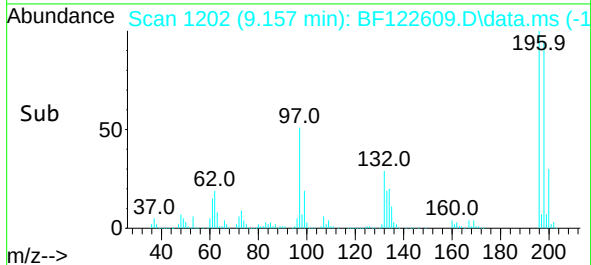
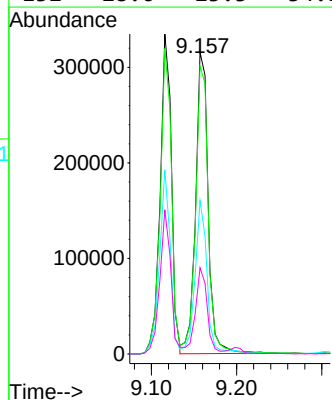
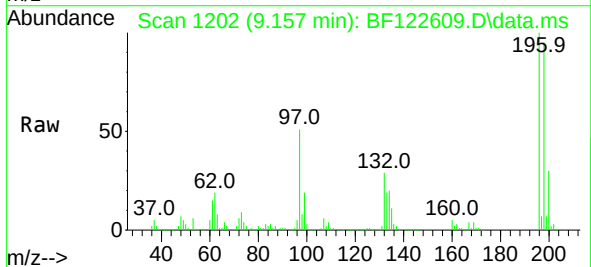
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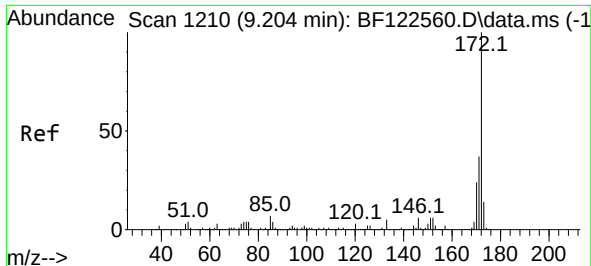
Tgt Ion:196 Resp: 305741
Ion Ratio Lower Upper
196 100
198 95.4 75.1 112.7
200 29.9 23.7 35.5



#44
2,4,5-Trichlorophenol
Concen: 37.11 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion:196 Resp: 322882
Ion Ratio Lower Upper
196 100
198 95.4 76.5 114.7
97 50.9 40.1 60.1
132 28.6 23.3 34.9

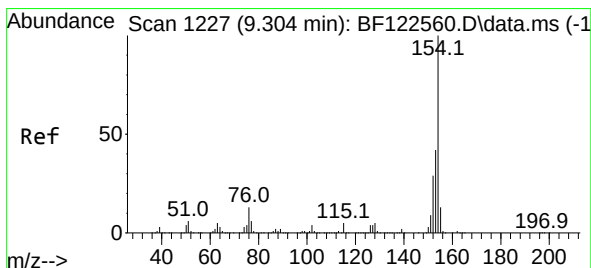
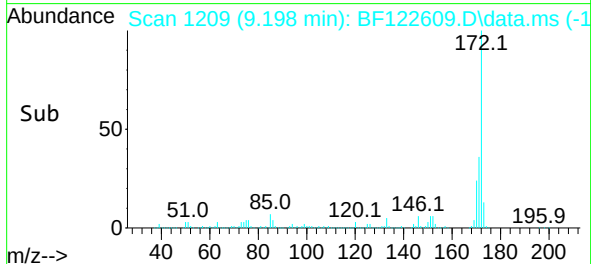
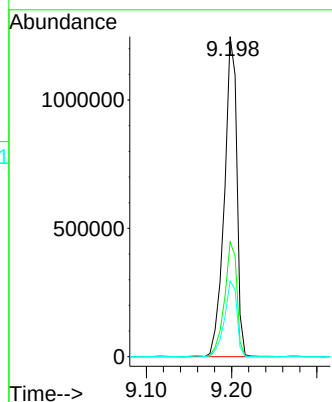
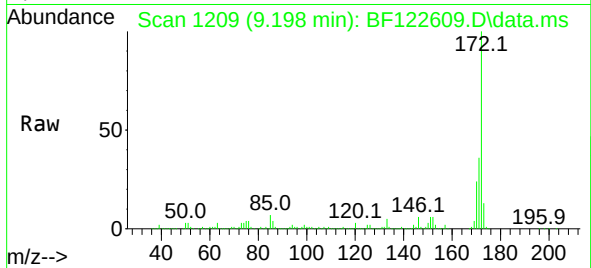




#45
2-Fluorobiphenyl
Concen: 46.60 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

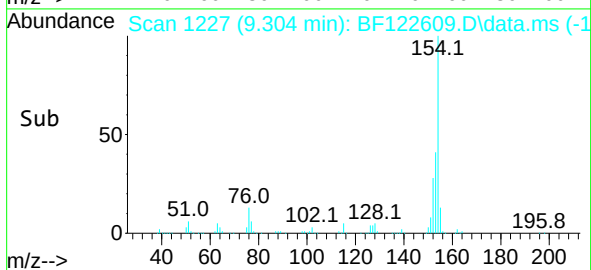
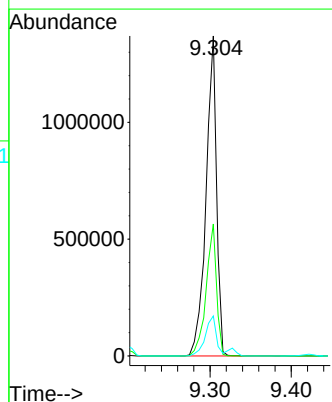
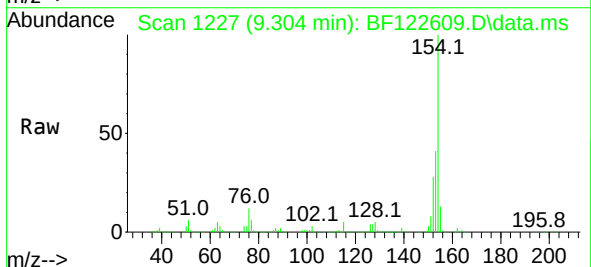
Instrument :
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HSD-SOILMSD

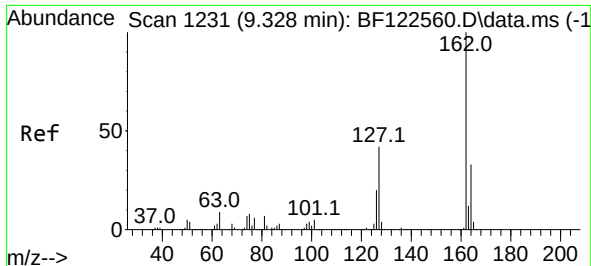
Tgt Ion:172 Resp: 1267887
Ion Ratio Lower Upper
172 100
171 35.8 29.6 44.4
170 23.7 19.5 29.3



#46
1,1'-Biphenyl
Concen: 40.30 ng
RT: 9.304 min Scan# 1227
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion:154 Resp: 1230841
Ion Ratio Lower Upper
154 100
153 41.2 21.8 61.8
76 12.5 0.0 33.4

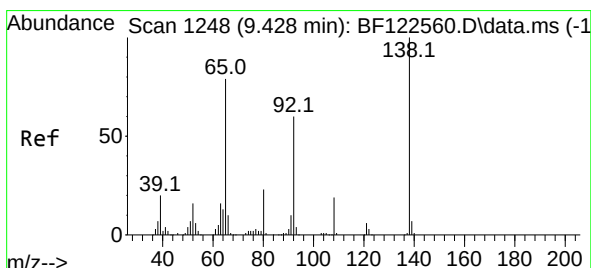
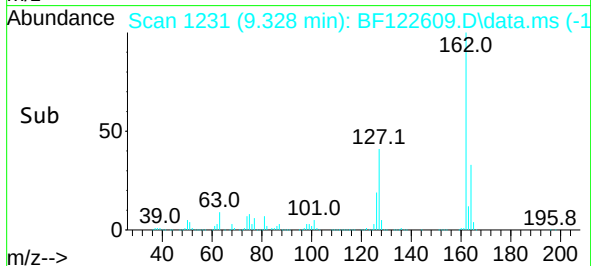
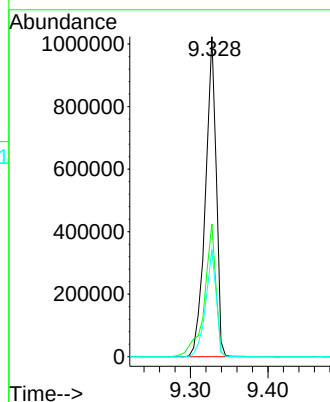
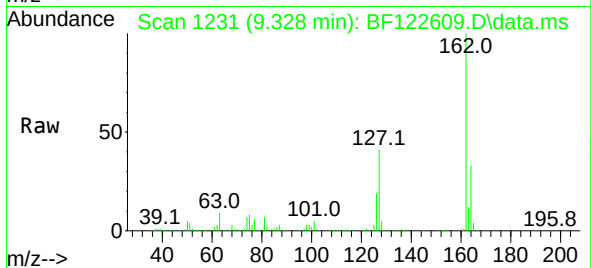




#47
2-Chloronaphthalene
Concen: 39.08 ng
RT: 9.328 min Scan# 1231
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

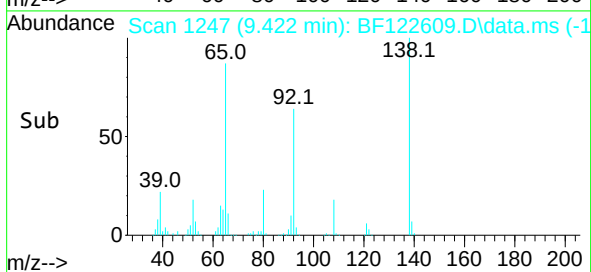
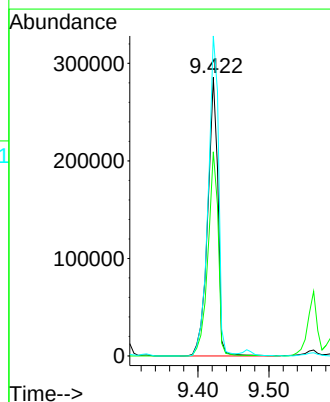
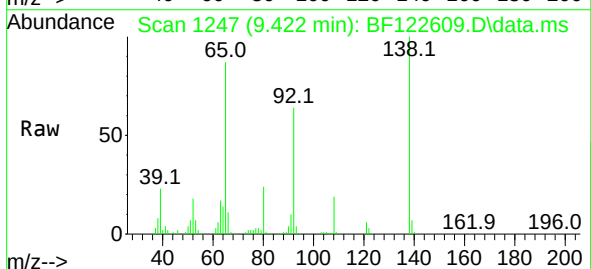
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BNA_F
ClientSampleId :
HSD-SOILMSD

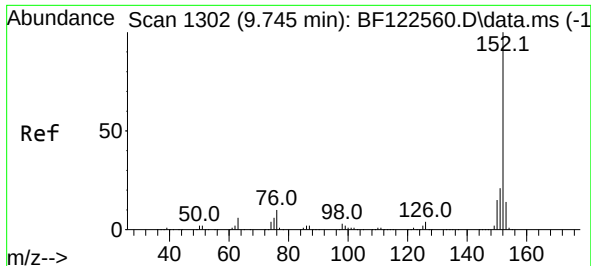
Tgt Ion:162 Resp: 988892
Ion Ratio Lower Upper
162 100
127 41.4 33.8 50.8
164 33.4 26.5 39.7



#48
2-Nitroaniline
Concen: 38.89 ng
RT: 9.422 min Scan# 1247
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion: 65 Resp: 286875
Ion Ratio Lower Upper
65 100
92 73.3 60.0 90.0
138 114.9 100.6 151.0

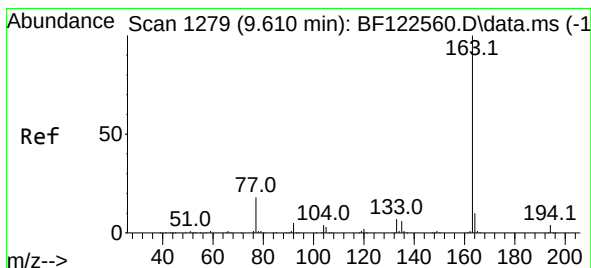
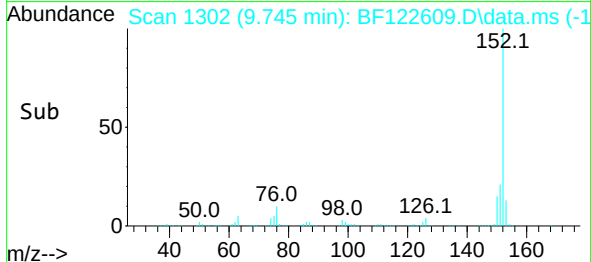
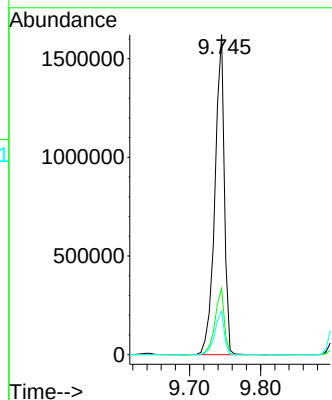
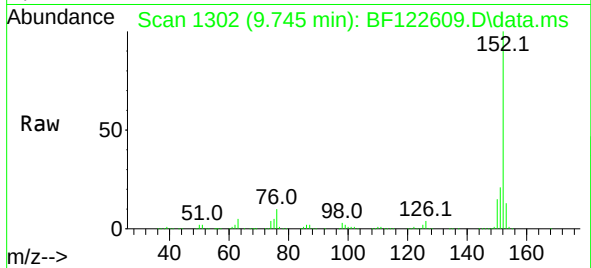




#49
Acenaphthylene
Concen: 40.12 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

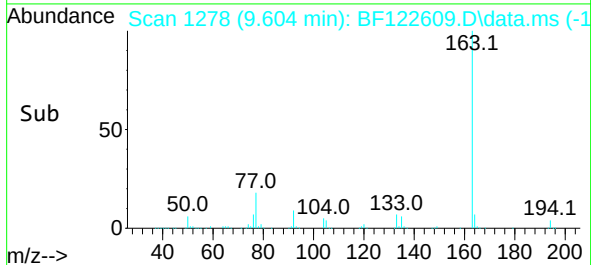
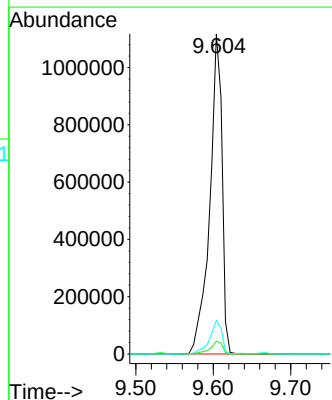
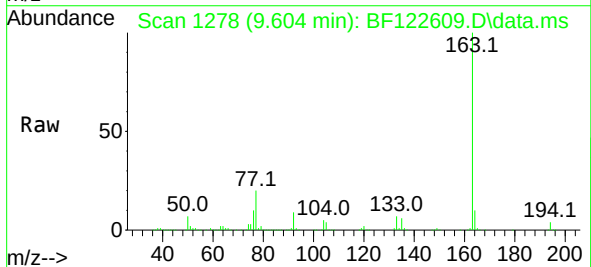
Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

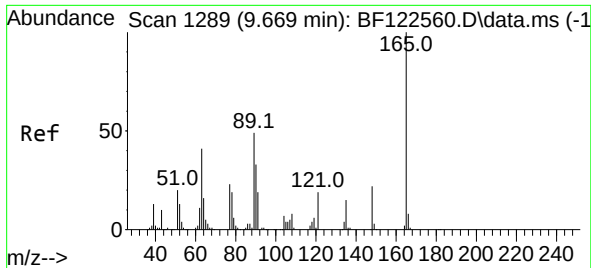
Tgt Ion:152 Resp: 1499481
Ion Ratio Lower Upper
152 100
151 20.6 16.6 25.0
153 13.5 10.9 16.3



#50
Dimethylphthalate
Concen: 41.87 ng
RT: 9.604 min Scan# 1278
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion:163 Resp: 1230444
Ion Ratio Lower Upper
163 100
194 4.0 3.4 5.0
164 10.5 8.1 12.1

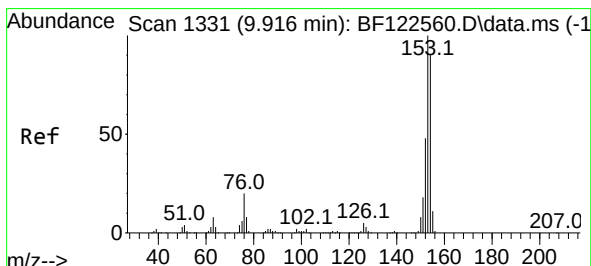
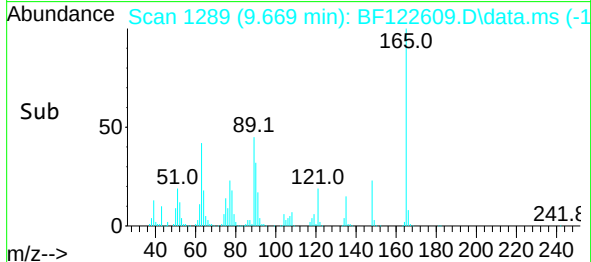
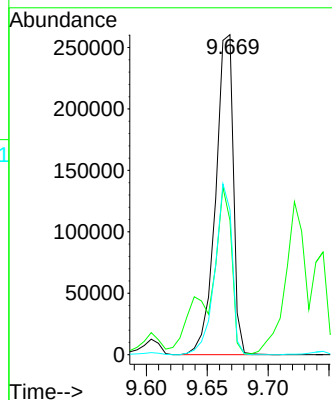
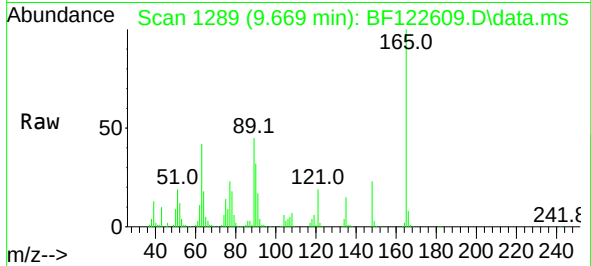




#51
2,6-Dinitrotoluene
Concen: 42.64 ng
RT: 9.669 min Scan# 1289
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

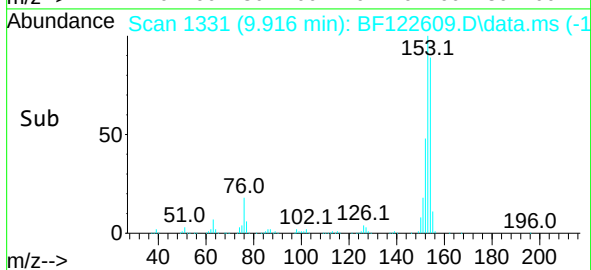
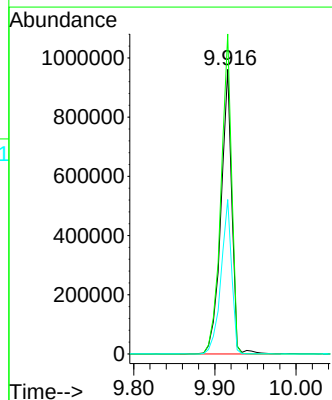
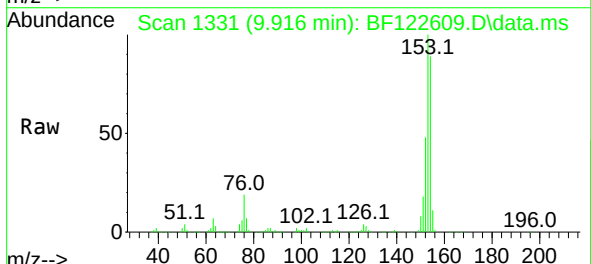
Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

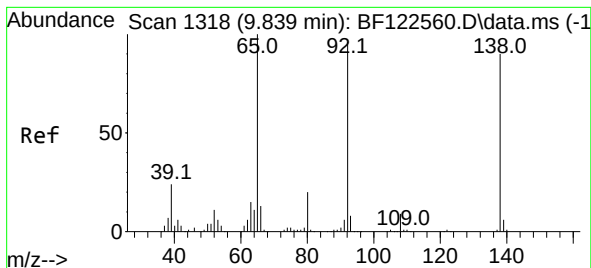
Tgt Ion:165 Resp: 264645
Ion Ratio Lower Upper
165 100
63 42.0 36.6 55.0
89 45.3 39.4 59.0



#52
Acenaphthene
Concen: 37.10 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion:154 Resp: 897168
Ion Ratio Lower Upper
154 100
153 112.5 89.0 133.6
152 54.3 42.7 64.1

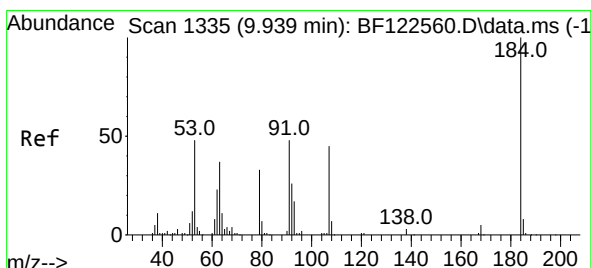
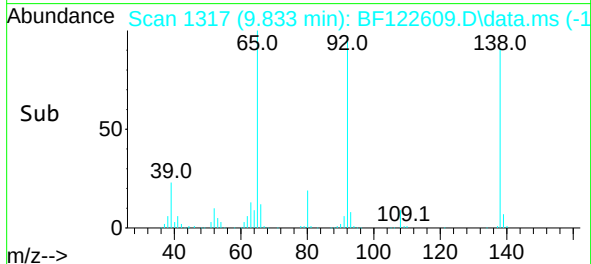
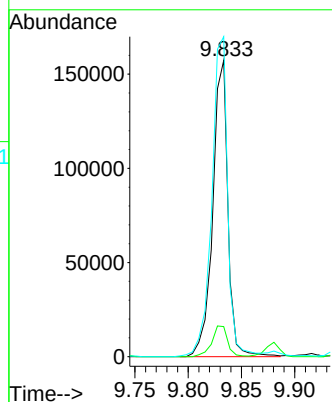
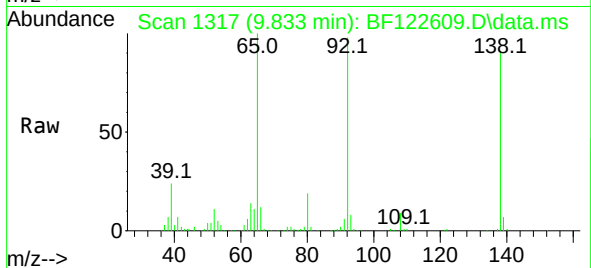




#53
3-Nitroaniline
Concen: 21.76 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

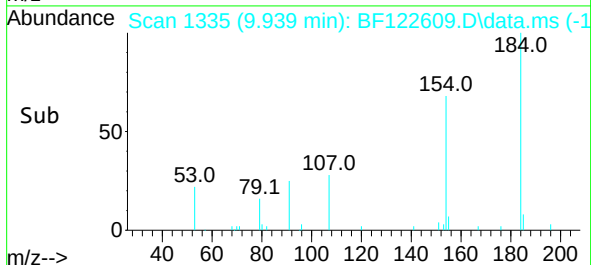
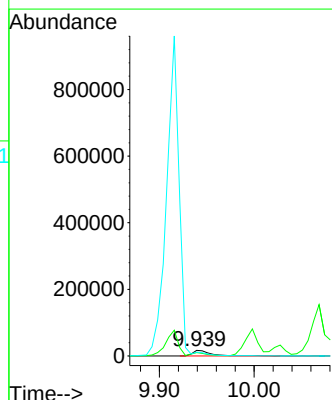
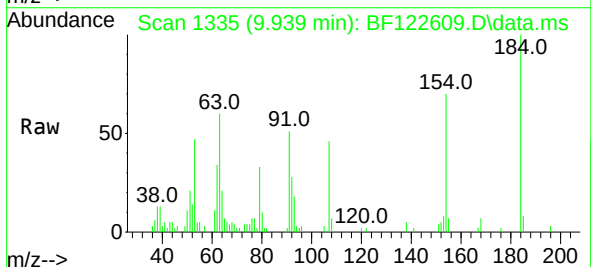
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ClientSampleId :
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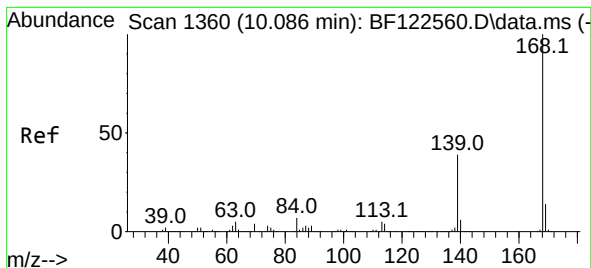
Tgt Ion:138 Resp: 156073
Ion Ratio Lower Upper
138 100
108 10.1 8.2 12.2
92 108.0 85.4 128.2



#54
2,4-Dinitrophenol
Concen: 7.38 ng
RT: 9.939 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion:184 Resp: 22389
Ion Ratio Lower Upper
184 100
63 59.8 51.4 77.2
154 70.3 49.7 74.5

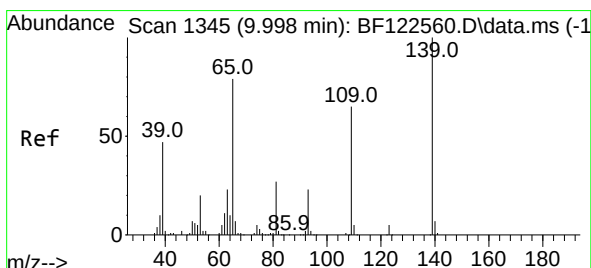
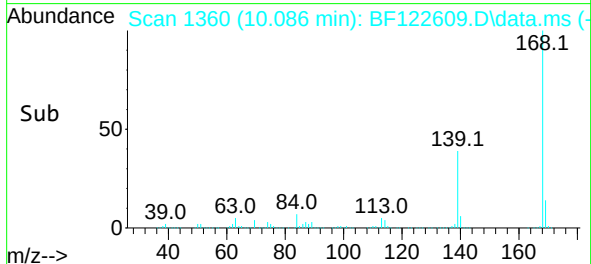
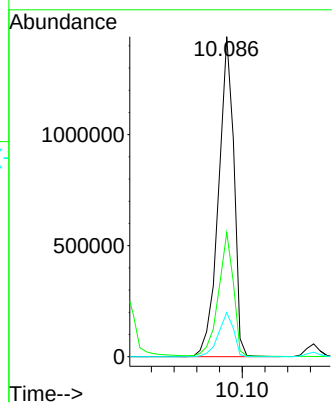
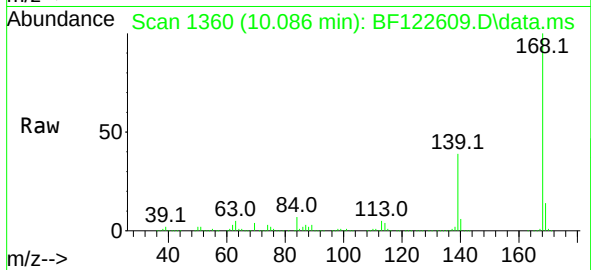




#55
Dibenzenofuran
Concen: 39.92 ng
RT: 10.086 min Scan# 1360
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

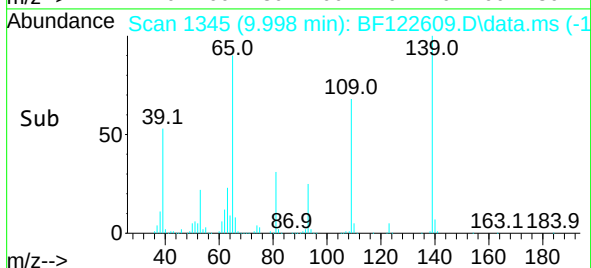
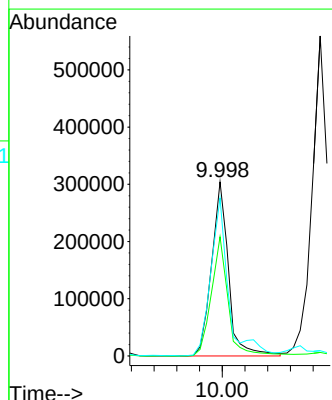
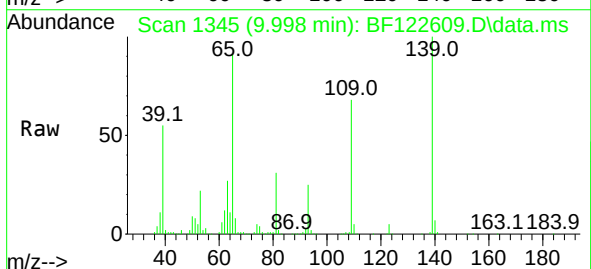
Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

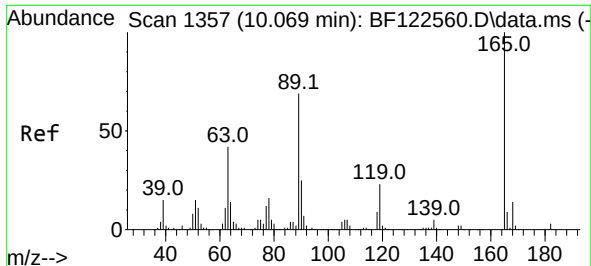
Tgt Ion:168 Resp: 1357691
Ion Ratio Lower Upper
168 100
139 38.8 31.3 46.9
169 13.8 11.2 16.8



#56
4-Nitrophenol
Concen: 61.64 ng
RT: 9.998 min Scan# 1345
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion:139 Resp: 315231
Ion Ratio Lower Upper
139 100
109 68.5 45.1 85.1
65 90.7 59.2 99.2

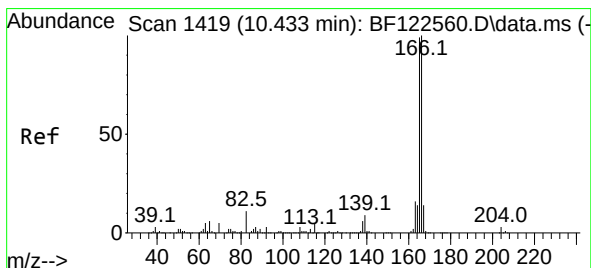
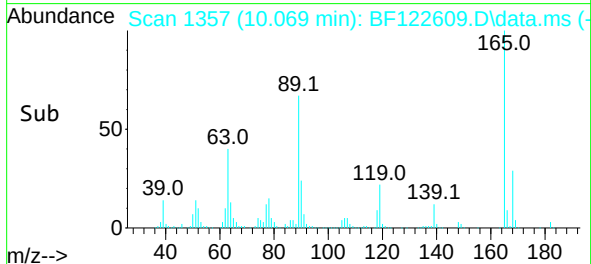
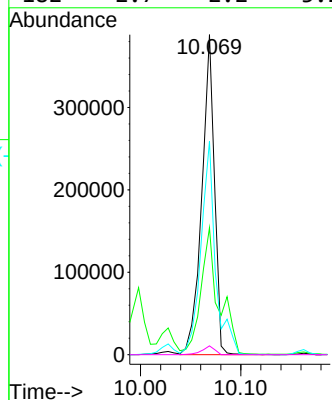
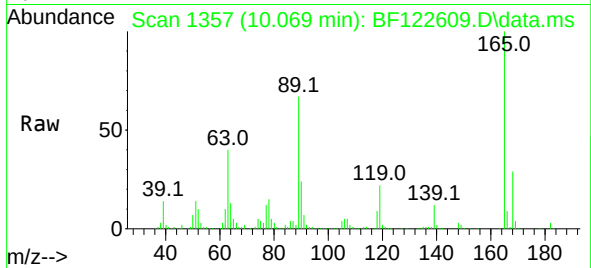




#57
2,4-Dinitrotoluene
Concen: 41.32 ng
RT: 10.069 min Scan# 1357
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

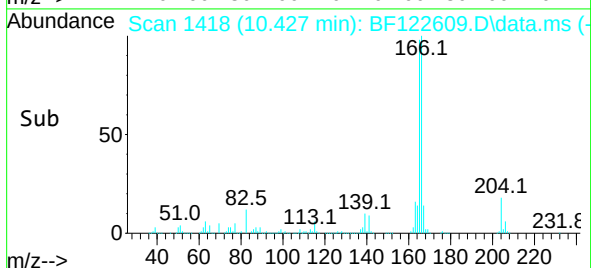
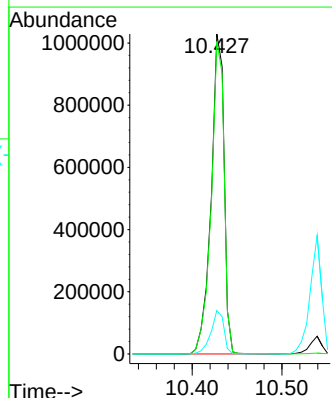
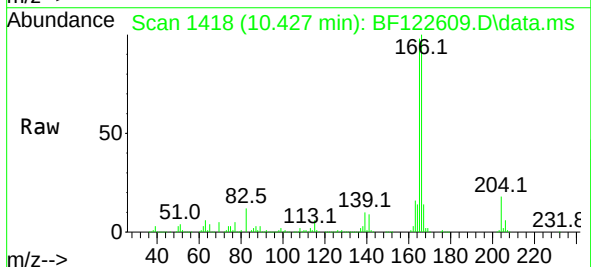
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ClientSampleId :
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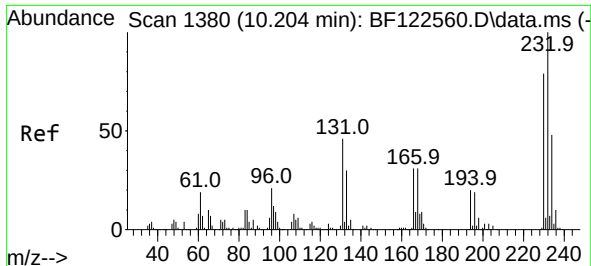
Tgt Ion:165 Resp: 341624
Ion Ratio Lower Upper
165 100
63 39.7 34.3 51.5
89 66.8 55.2 82.8
182 2.7 2.2 3.2



#58
Fluorene
Concen: 38.20 ng
RT: 10.427 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion:166 Resp: 1033360
Ion Ratio Lower Upper
166 100
165 97.6 79.4 119.0
167 13.6 10.9 16.3

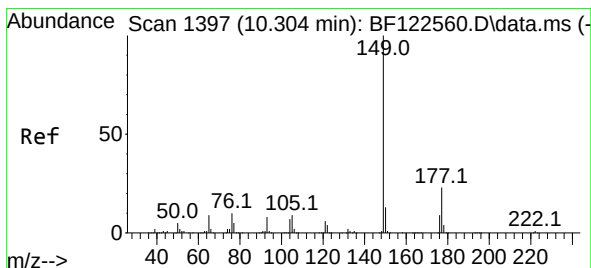
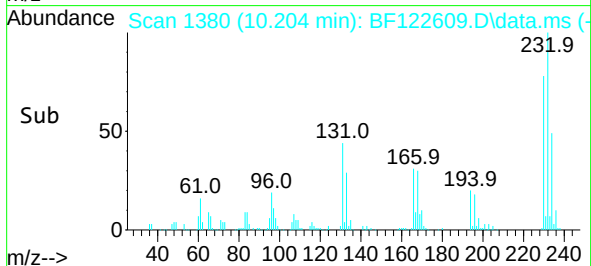
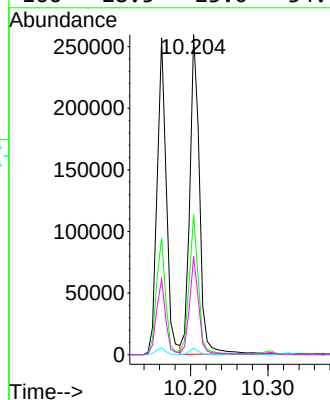
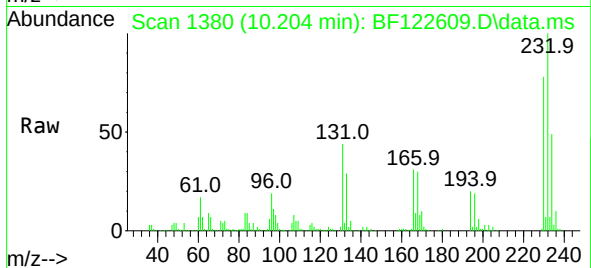




#59
2,3,4,6-Tetrachlorophenol
Concen: 29.49 ng
RT: 10.204 min Scan# 1380
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

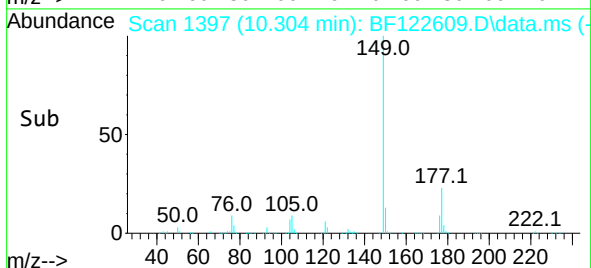
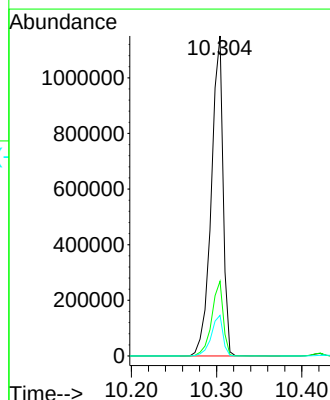
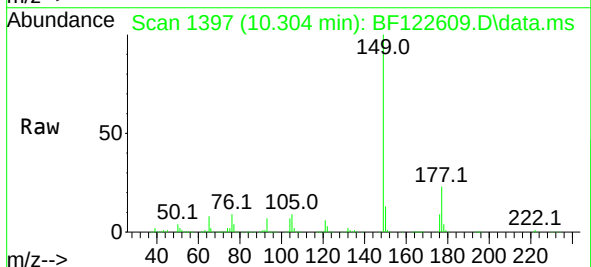
Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

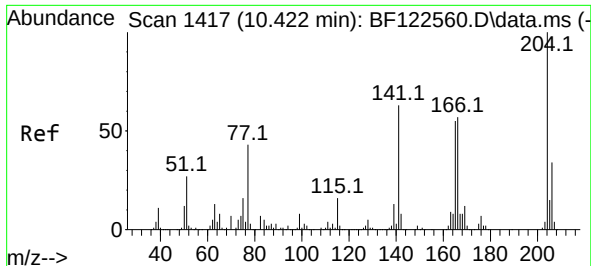
Tgt Ion:232 Resp: 225443
Ion Ratio Lower Upper
232 100
131 42.4 33.0 49.4
130 1.9 1.7 2.5
166 28.5 23.0 34.4



#60
Diethylphthalate
Concen: 38.64 ng
RT: 10.304 min Scan# 1397
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion:149 Resp: 1104467
Ion Ratio Lower Upper
149 100
177 23.4 18.2 27.4
150 12.7 10.1 15.1

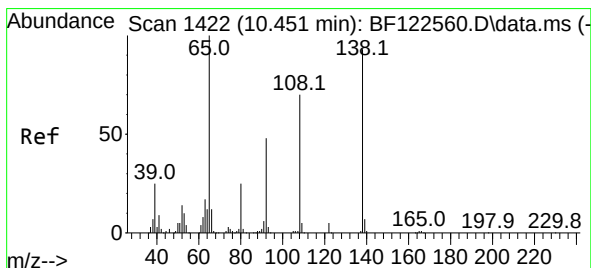
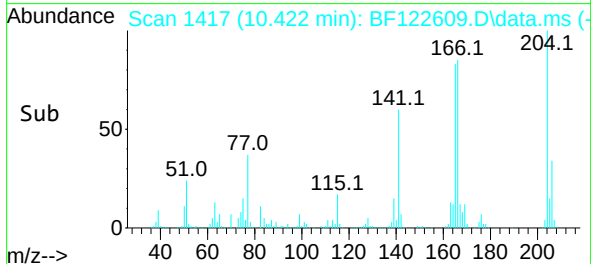
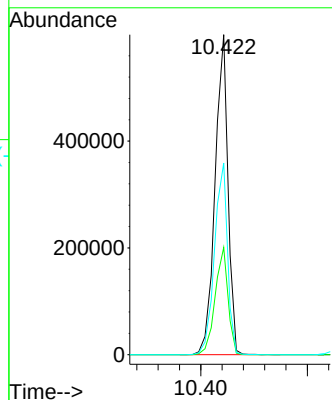
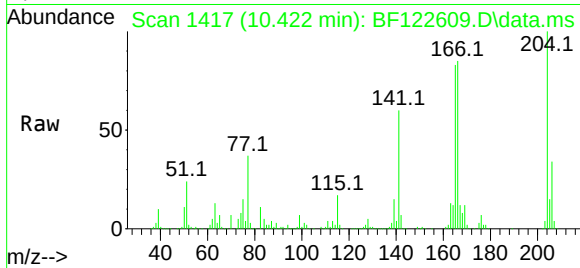




#61
4-Chlorophenyl-phenylether
Concen: 37.72 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

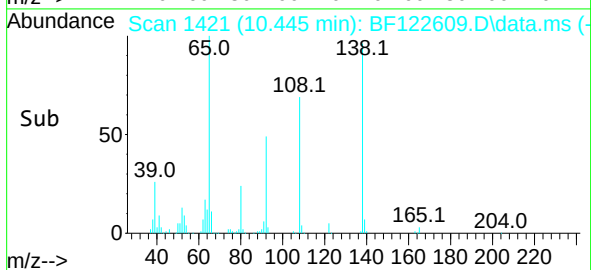
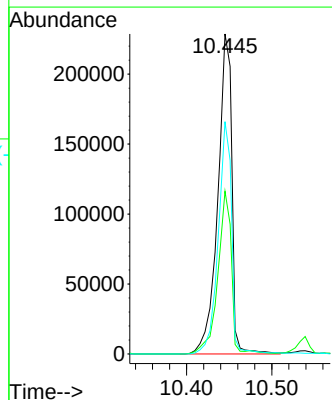
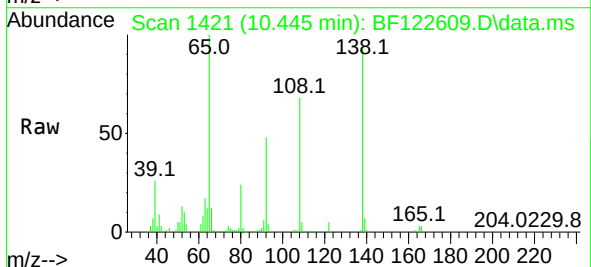
Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

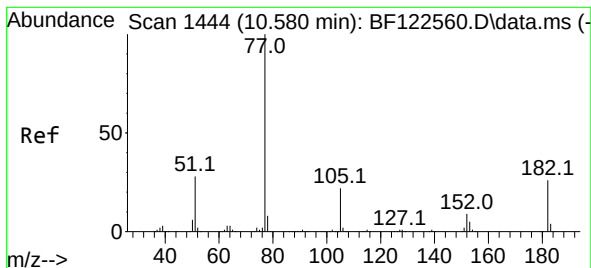
Tgt Ion:204 Resp: 502454
Ion Ratio Lower Upper
204 100
206 33.5 27.0 40.4
141 59.9 50.4 75.6



#62
4-Nitroaniline
Concen: 36.02 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion:138 Resp: 262244
Ion Ratio Lower Upper
138 100
92 50.8 31.0 71.0
108 72.6 54.8 94.8

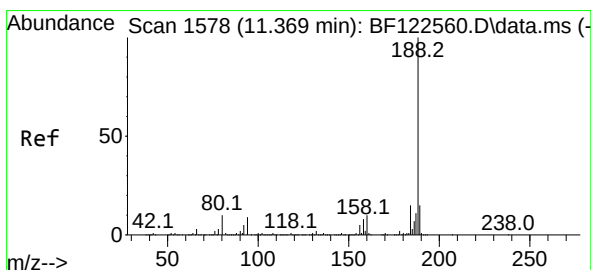
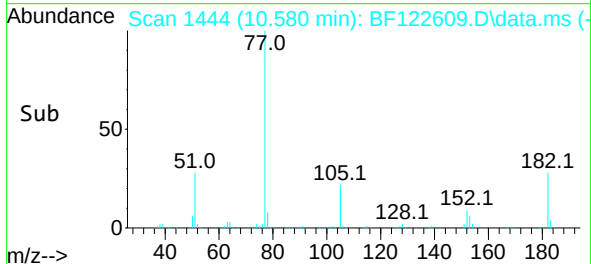
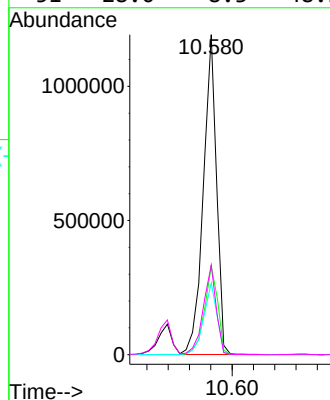
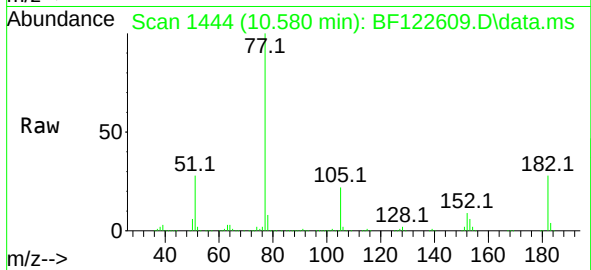




#63
Azobenzene
Concen: 39.15 ng
RT: 10.580 min Scan# 1444
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

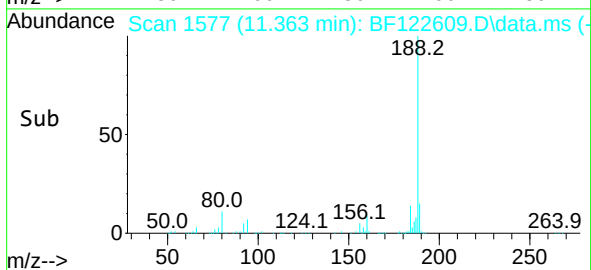
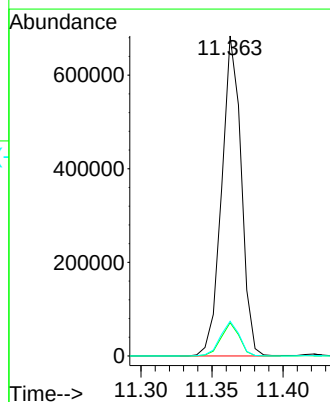
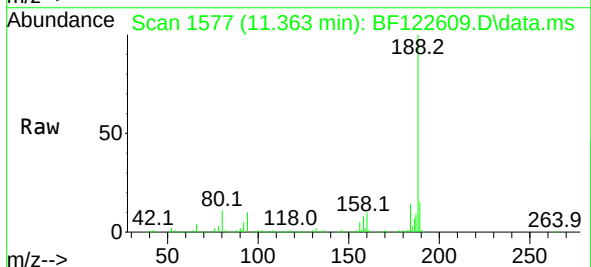
Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

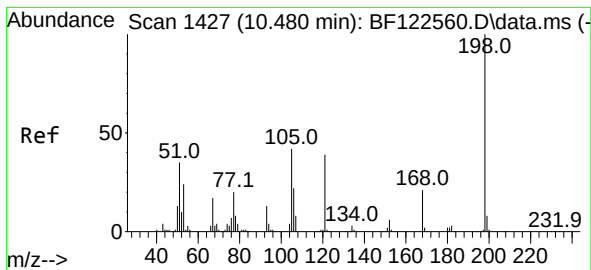
Tgt Ion: 77 Resp: 1028708
Ion Ratio Lower Upper
77 100
182 27.7 5.6 45.6
105 22.4 1.8 41.8
51 28.0 8.3 48.3



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion: 188 Resp: 652160
Ion Ratio Lower Upper
188 100
94 10.4 7.4 11.2
80 10.9 8.2 12.4

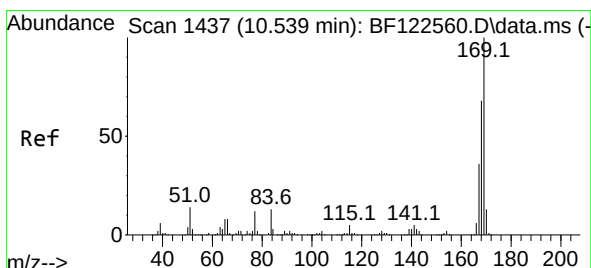
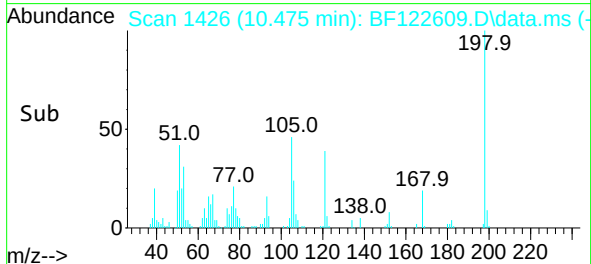
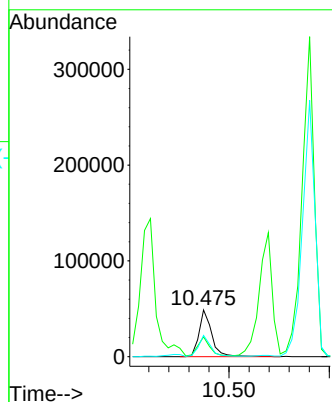
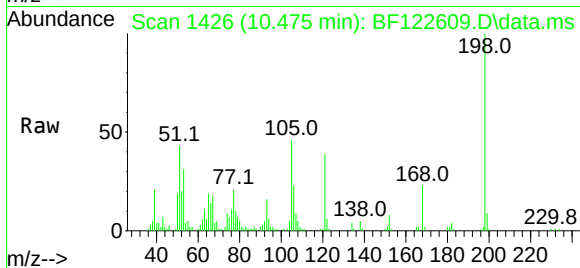




#65
4,6-Dinitro-2-methylphenol
Concen: 10.78 ng
RT: 10.475 min Scan# 1426
Delta R.T. -0.005 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

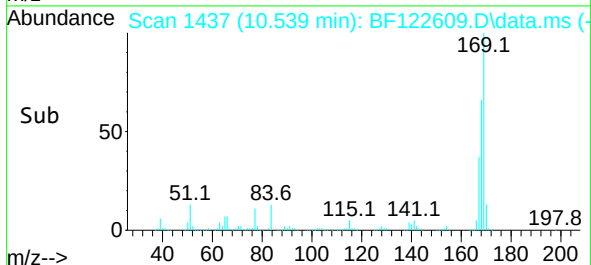
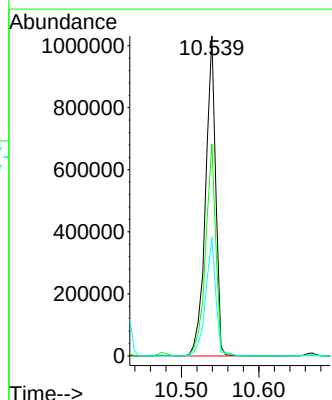
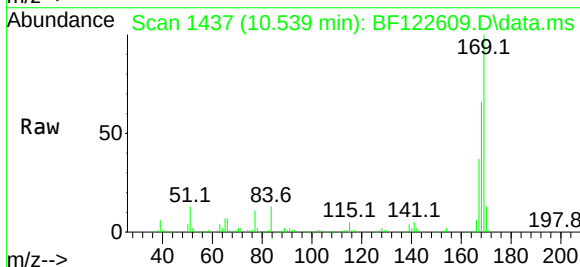
Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

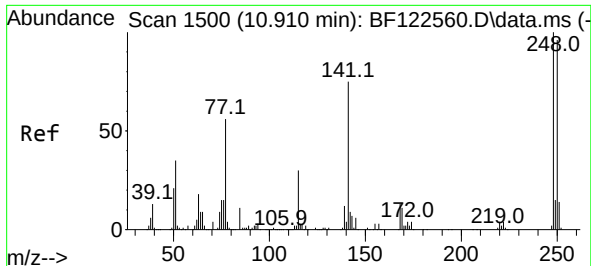
Tgt Ion:198 Resp: 42882
Ion Ratio Lower Upper
198 100
51 42.6 20.3 60.3
105 45.7 23.0 63.0



#66
n-Nitrosodiphenylamine
Concen: 40.62 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion:169 Resp: 936096
Ion Ratio Lower Upper
169 100
168 66.2 54.2 81.2
167 37.0 29.2 43.8

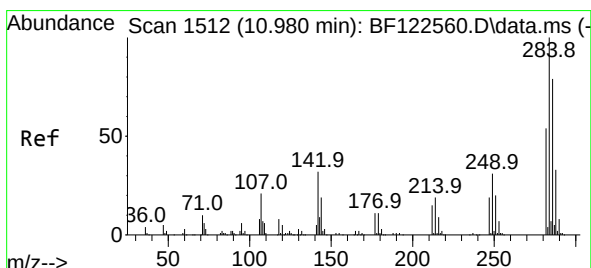
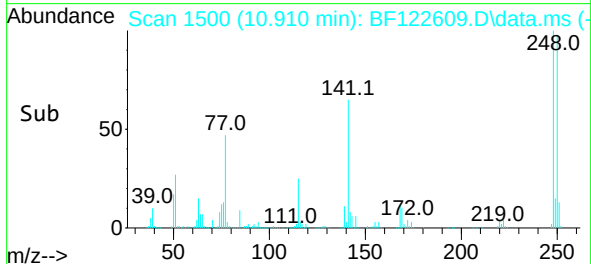
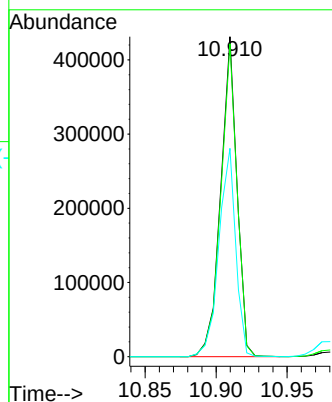
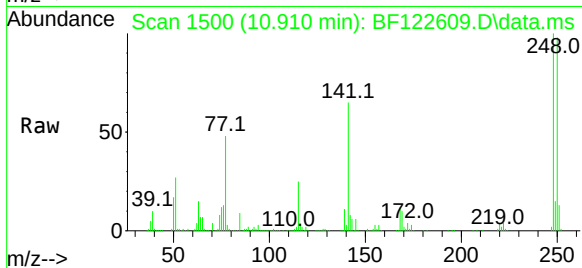




#67
4-Bromophenyl-phenylether
Concen: 38.86 ng
RT: 10.910 min Scan# 1500
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

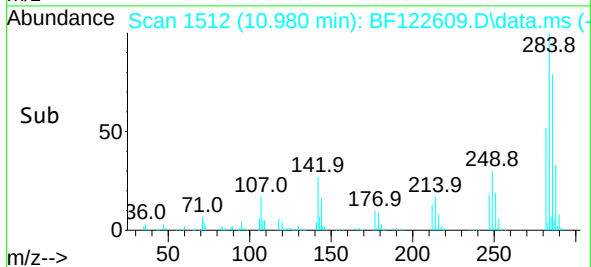
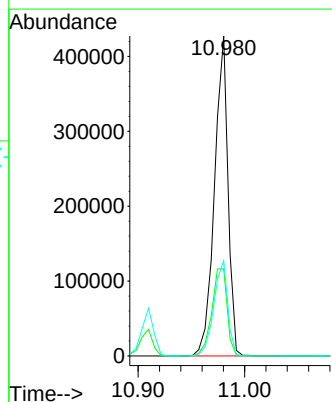
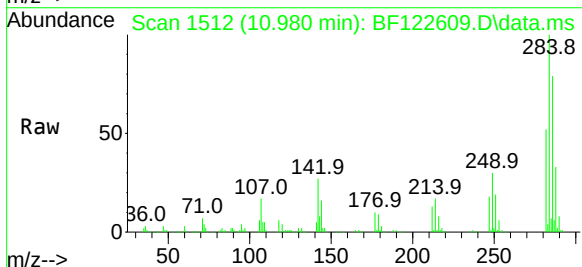
Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

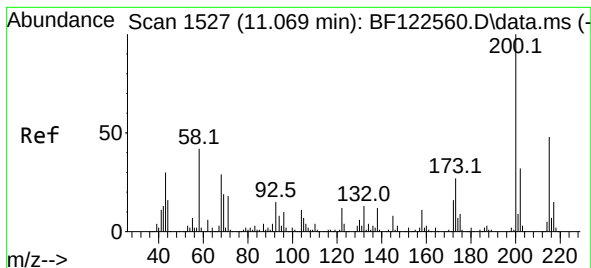
Tgt Ion:248 Resp: 343427
Ion Ratio Lower Upper
248 100
250 97.8 76.8 115.2
141 65.1 59.8 89.8



#68
Hexachlorobenzene
Concen: 38.47 ng
RT: 10.980 min Scan# 1512
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion:284 Resp: 375846
Ion Ratio Lower Upper
284 100
142 27.2 25.6 38.4
249 29.8 25.1 37.7





#69

Atrazine

Concen: 35.45 ng

RT: 11.069 min Scan# 1527

Delta R.T. -0.000 min

Lab File: BF122609.D

Acq: 9 Dec 2020 13:02

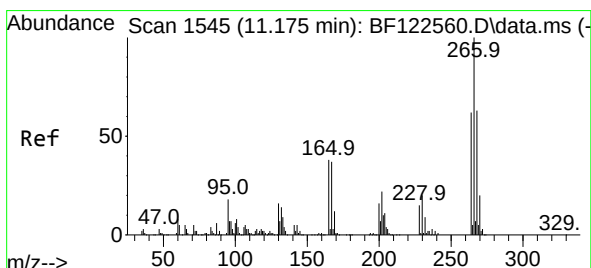
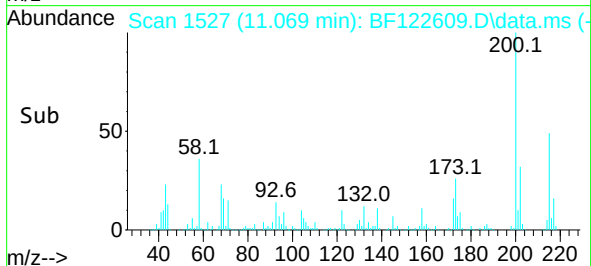
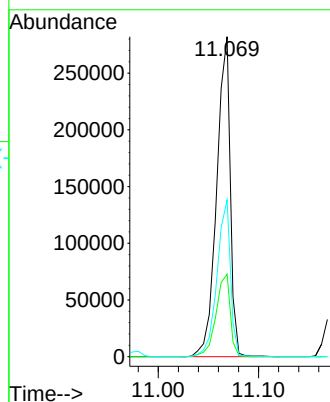
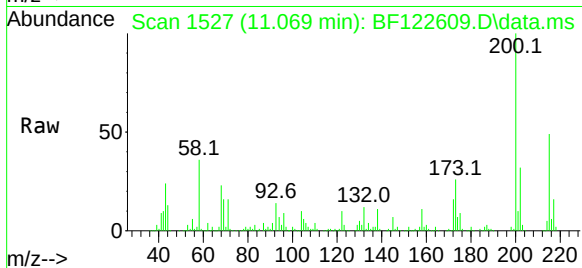
Tgt Ion:200 Resp: 265258

Ion Ratio Lower Upper

200 100

173 25.7 6.6 46.6

215 49.0 28.1 68.1



#70

Pentachlorophenol

Concen: 42.39 ng

RT: 11.174 min Scan# 1545

Delta R.T. -0.000 min

Lab File: BF122609.D

Acq: 9 Dec 2020 13:02

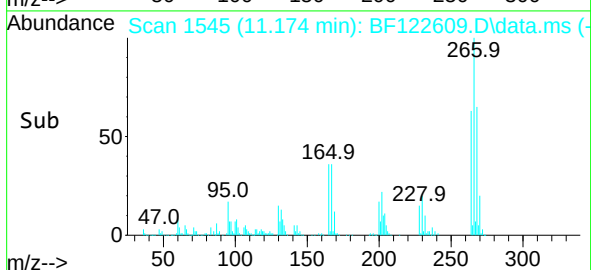
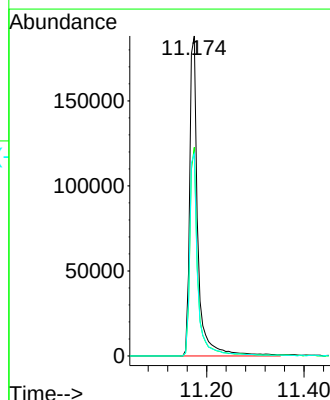
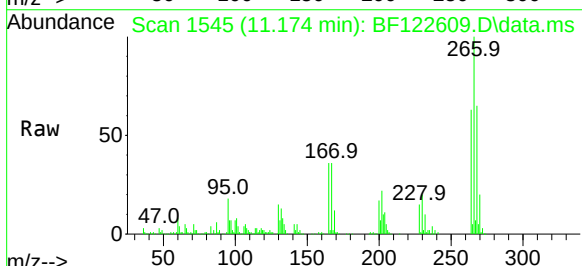
Tgt Ion:266 Resp: 219434

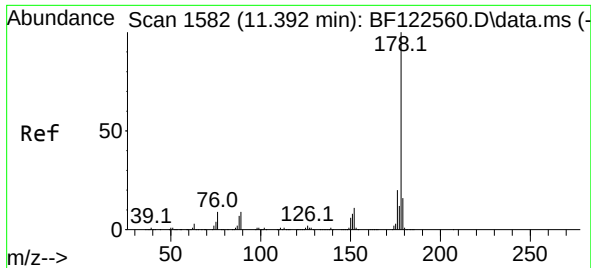
Ion Ratio Lower Upper

266 100

268 65.2 50.5 75.7

264 63.2 49.8 74.8

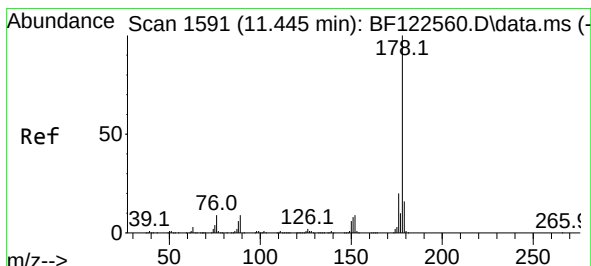
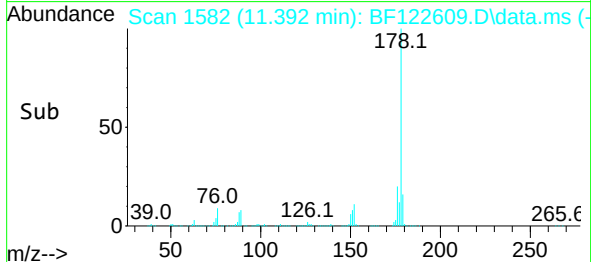
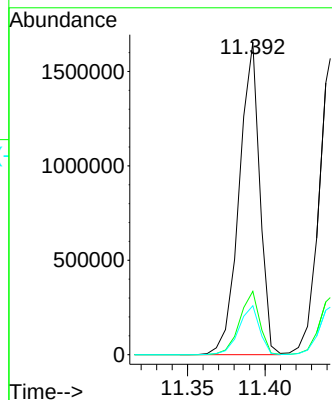
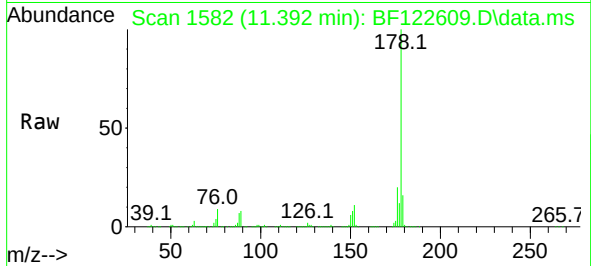




#71
Phenanthrene
Concen: 39.24 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

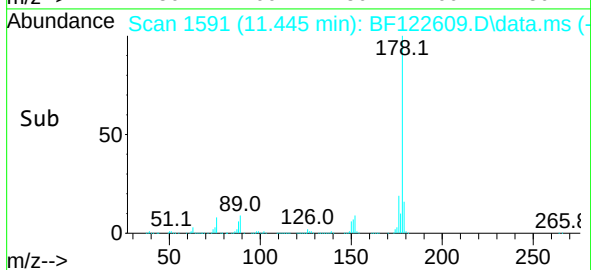
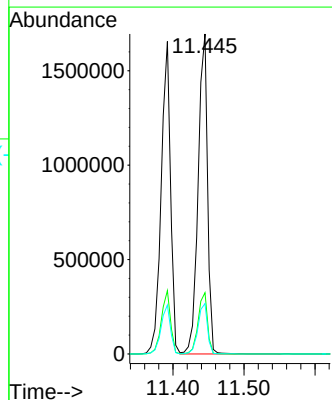
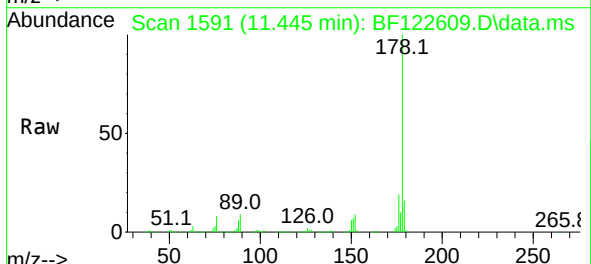
Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

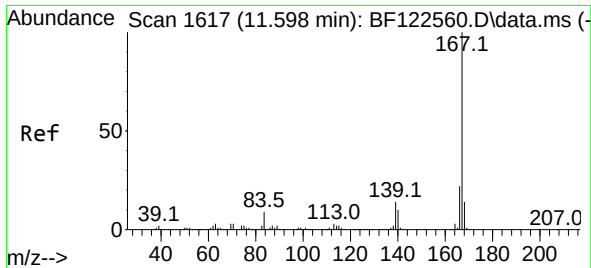
Tgt Ion:178 Resp: 1520827
Ion Ratio Lower Upper
178 100
176 20.3 16.2 24.2
179 15.7 12.7 19.1



#72
Anthracene
Concen: 40.77 ng
RT: 11.445 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

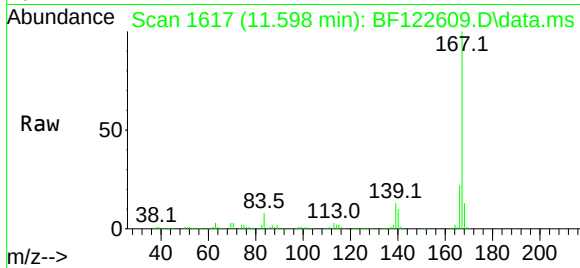
Tgt Ion:178 Resp: 1567065
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 15.8 12.8 19.2





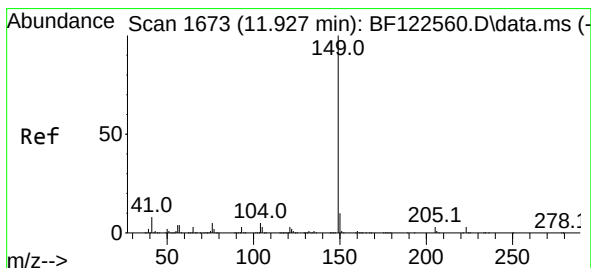
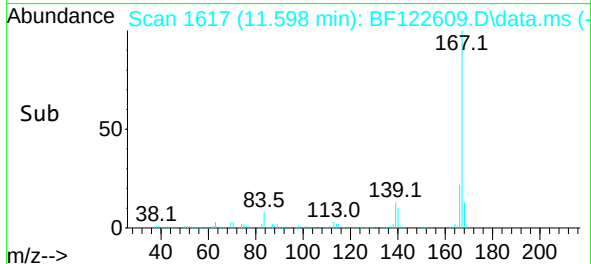
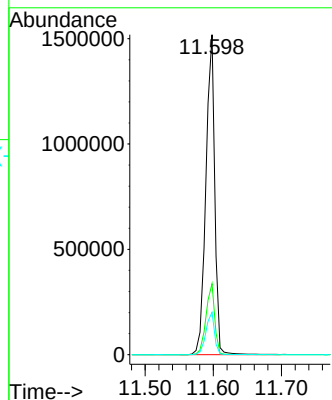
#73
 Carbazole
 Concen: 39.53 ng
 RT: 11.598 min Scan# 1617
 Delta R.T. -0.000 min
 Lab File: BF122609.D
 Acq: 9 Dec 2020 13:02

Instrument :
 BNA_F
 ClientSampleId :
 HSD-SOILMSD

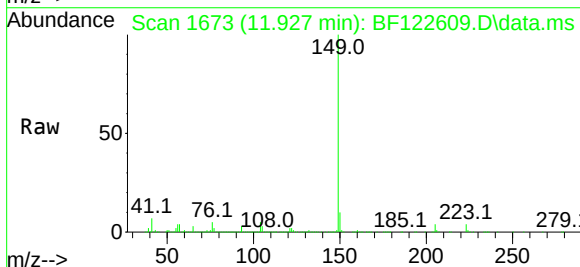


Tgt Ion:167 Resp: 1377663

Ion	Ratio	Lower	Upper
167	100		
166	22.2	18.0	27.0
139	13.2	10.9	16.3

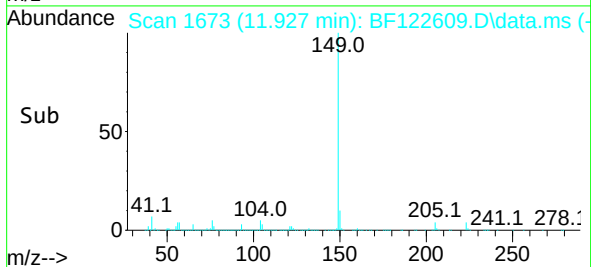
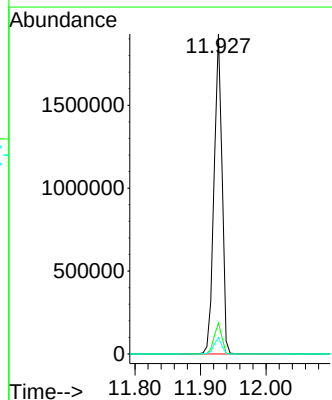


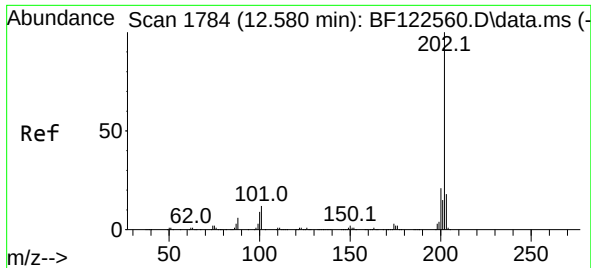
#74
 Di-n-butylphthalate
 Concen: 37.45 ng
 RT: 11.927 min Scan# 1673
 Delta R.T. -0.000 min
 Lab File: BF122609.D
 Acq: 9 Dec 2020 13:02



Tgt Ion:149 Resp: 1640365

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.8	11.6
104	5.1	4.2	6.4

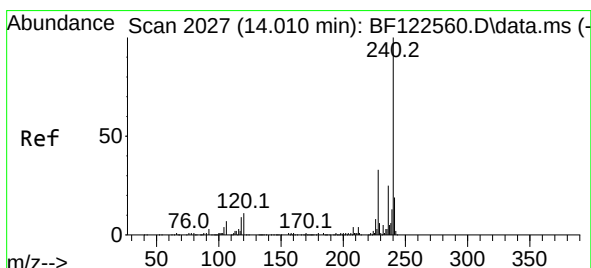
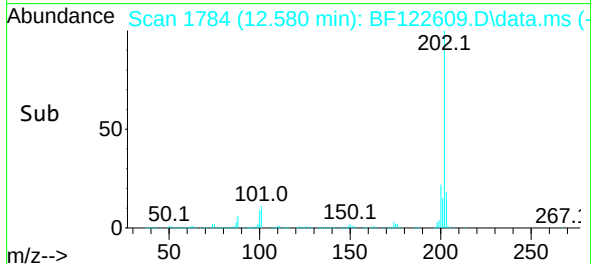
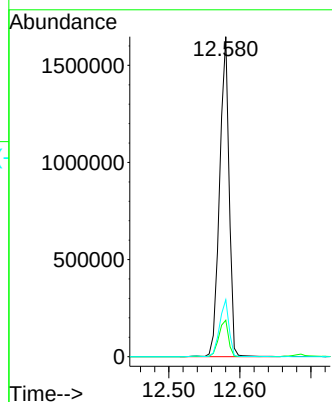
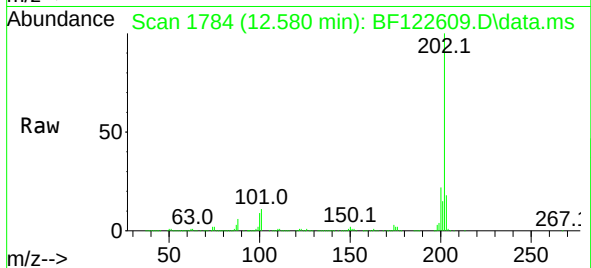




#75
Fluoranthene
Concen: 37.38 ng
RT: 12.580 min Scan# 1784
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

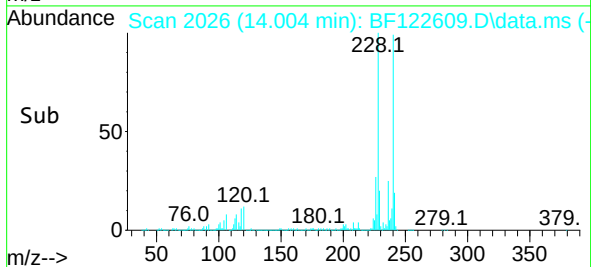
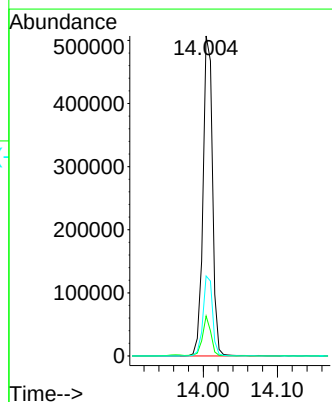
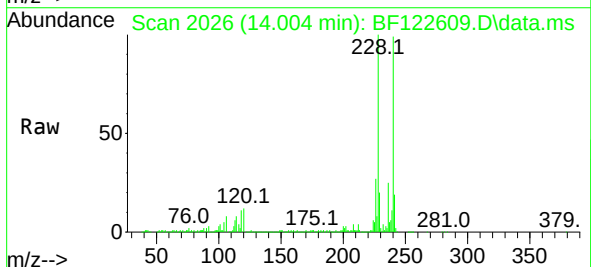
Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

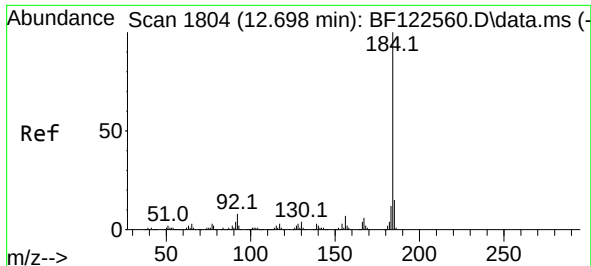
Tgt Ion:202 Resp: 1519320
Ion Ratio Lower Upper
202 100
101 11.4 0.0 32.2
203 17.8 0.0 38.1



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion:240 Resp: 450006
Ion Ratio Lower Upper
240 100
120 12.5 8.6 12.8
236 25.0 20.3 30.5

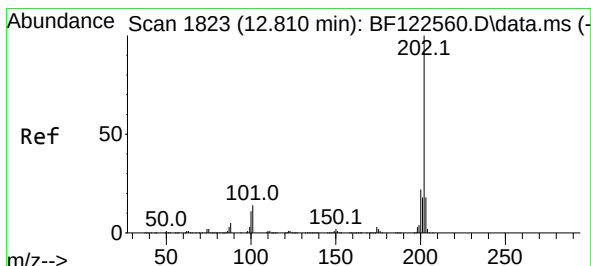
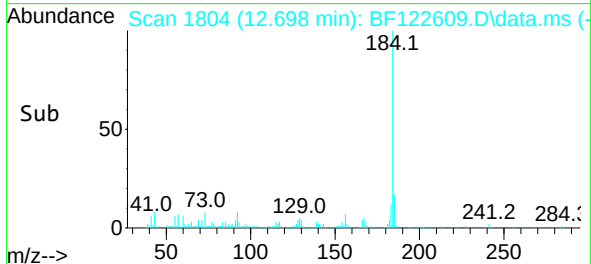
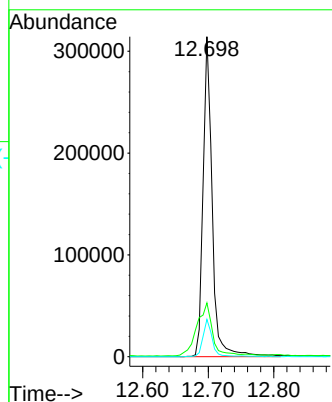
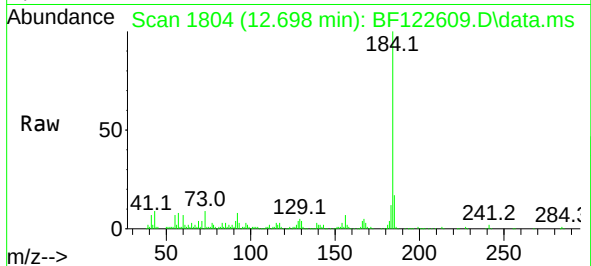




#77
Benzidine
Concen: 31.42 ng
RT: 12.698 min Scan# 1804
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

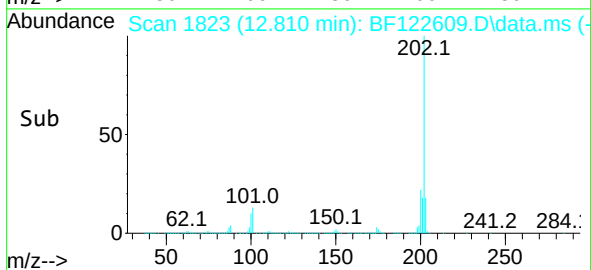
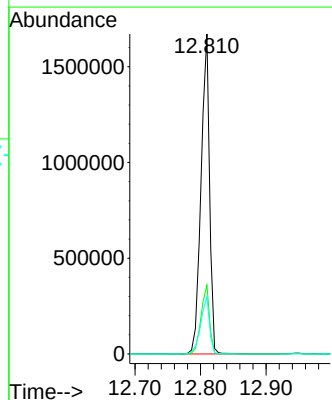
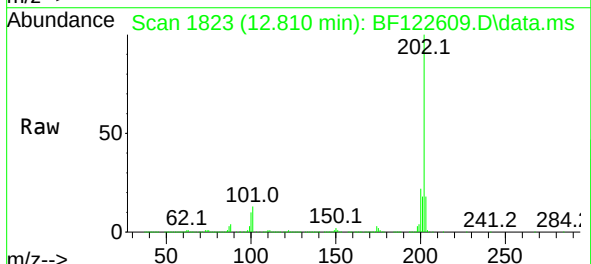
Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

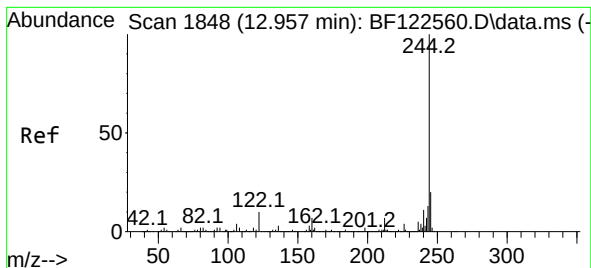
Tgt Ion:184 Resp: 305846
Ion Ratio Lower Upper
184 100
185 16.8 11.8 17.6
183 11.7 9.7 14.5



#78
Pyrene
Concen: 43.36 ng
RT: 12.810 min Scan# 1823
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion:202 Resp: 1508580
Ion Ratio Lower Upper
202 100
200 21.5 17.6 26.4
203 17.8 14.6 21.8





#79

Terphenyl-d14

Concen: 47.66 ng

RT: 12.951 min Scan# 1847

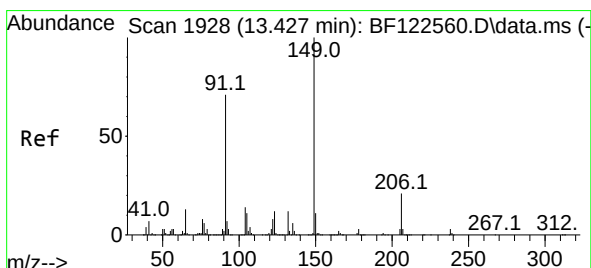
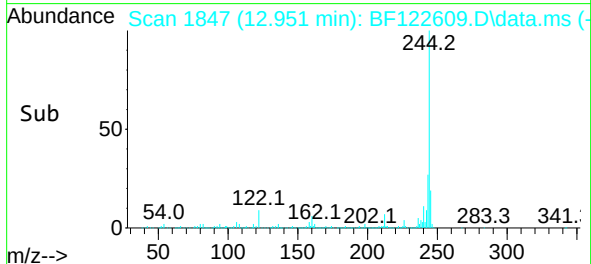
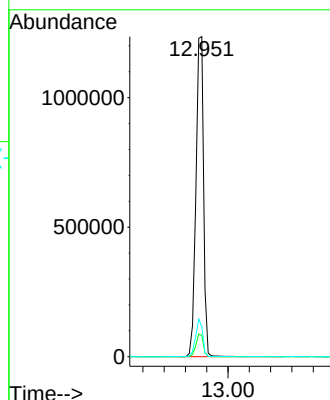
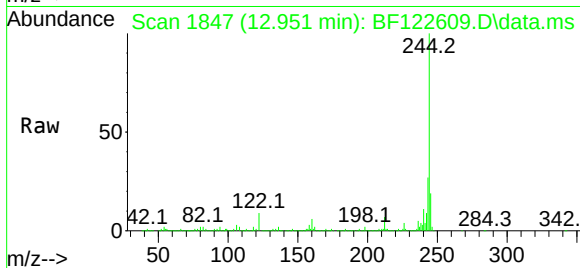
Delta R.T. -0.006 min

Lab File: BF122609.D

Acq: 9 Dec 2020 13:02

Tgt Ion:244 Resp: 1225297

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.7	8.5
122	9.4	8.3	12.5



#80

Butylbenzylphthalate

Concen: 40.50 ng

RT: 13.427 min Scan# 1928

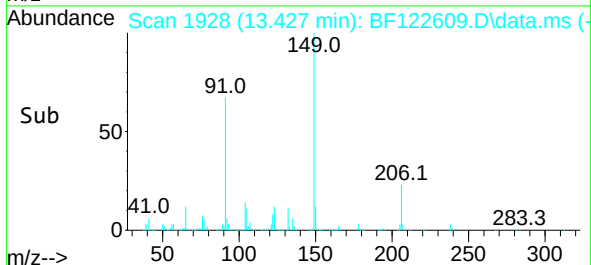
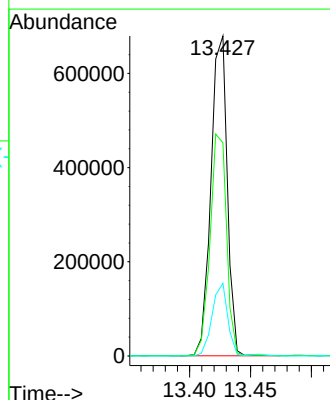
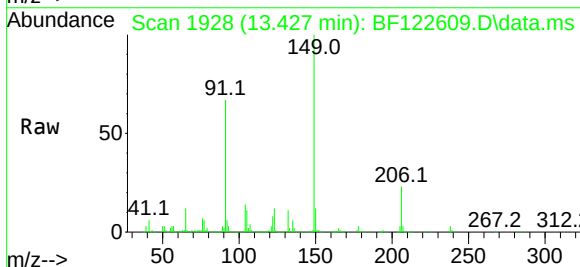
Delta R.T. -0.000 min

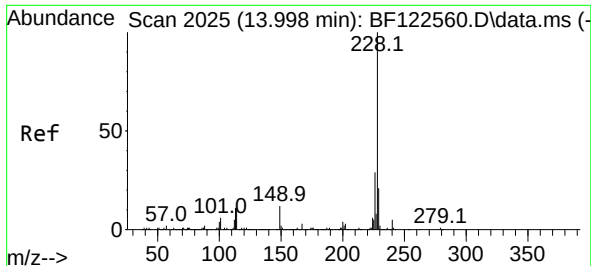
Lab File: BF122609.D

Acq: 9 Dec 2020 13:02

Tgt Ion:149 Resp: 634632

Ion	Ratio	Lower	Upper
149	100		
91	66.6	56.5	84.7
206	22.7	17.0	25.6

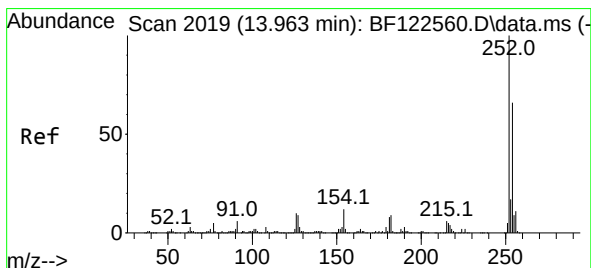
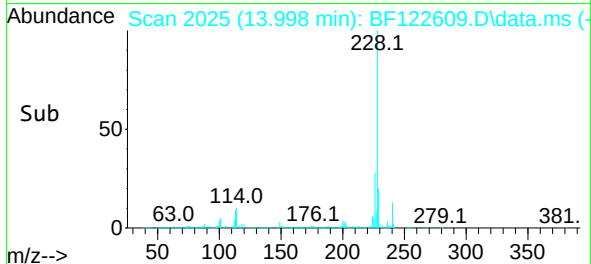
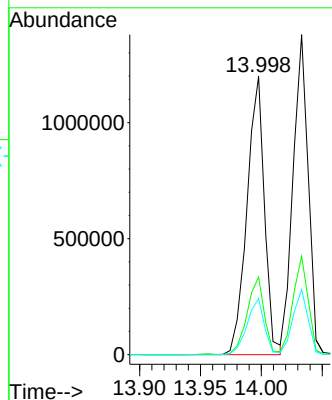
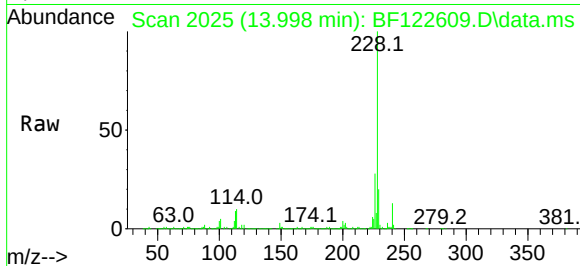




#81
Benzo(a)anthracene
Concen: 39.95 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

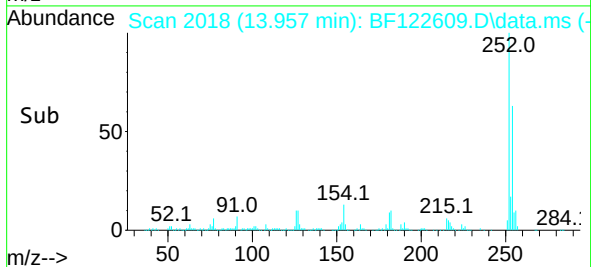
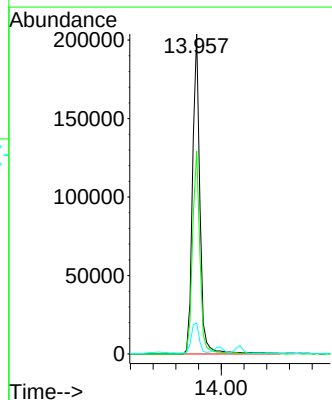
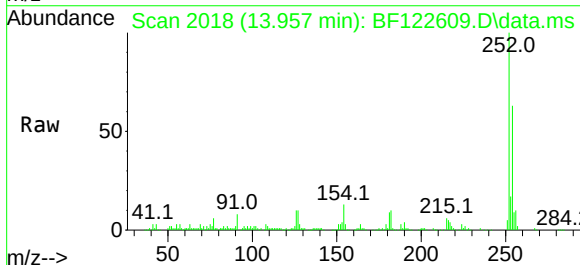
Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

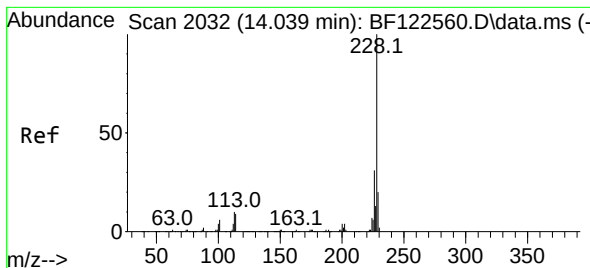
Tgt Ion:228 Resp: 1201335
Ion Ratio Lower Upper
228 100
226 27.9 23.0 34.4
229 20.2 16.6 24.8



#82
3,3'-Dichlorobenzidine
Concen: 17.11 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion:252 Resp: 184315
Ion Ratio Lower Upper
252 100
254 63.4 52.7 79.1
126 9.7 8.0 12.0





#83

Chrysene

Concen: 39.76 ng

RT: 14.033 min Scan# 2031

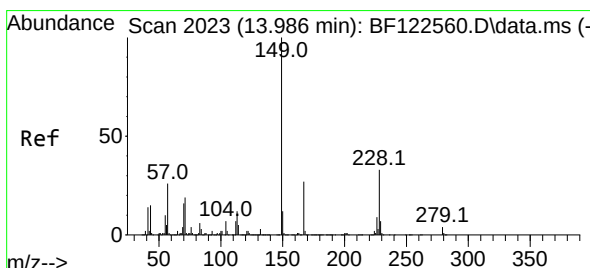
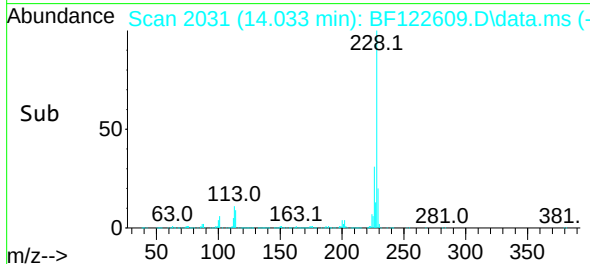
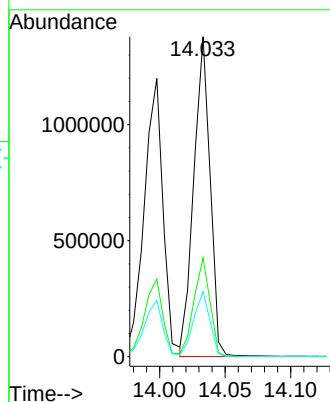
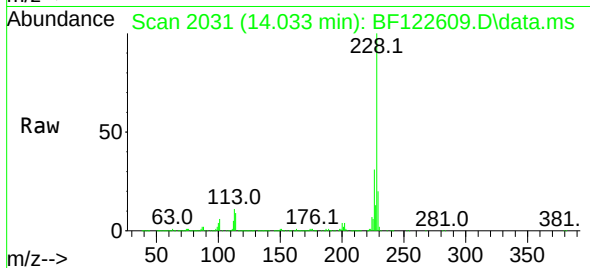
Delta R.T. -0.006 min

Lab File: BF122609.D

Acq: 9 Dec 2020 13:02

Tgt Ion:228 Resp: 1189864

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.6	36.8
229	20.4	15.8	23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 38.85 ng

RT: 13.986 min Scan# 2023

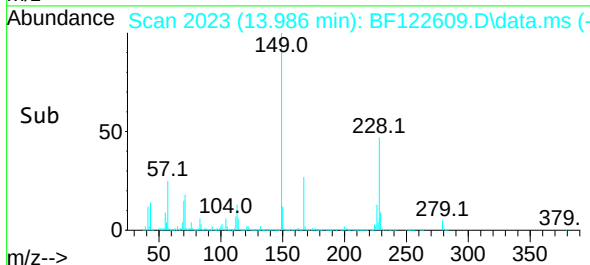
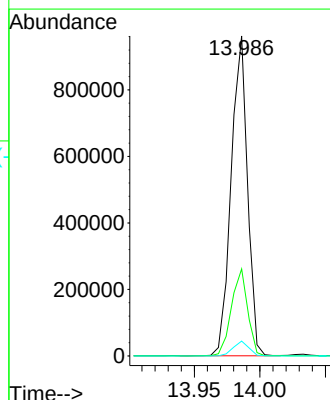
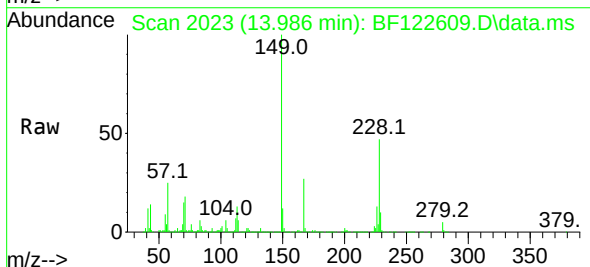
Delta R.T. -0.000 min

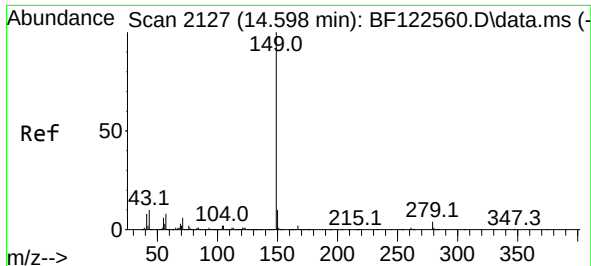
Lab File: BF122609.D

Acq: 9 Dec 2020 13:02

Tgt Ion:149 Resp: 833792

Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.4	32.2
279	4.6	3.4	5.0

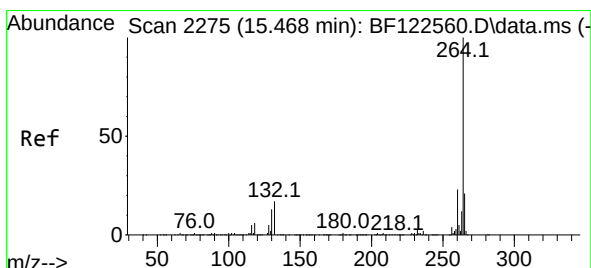
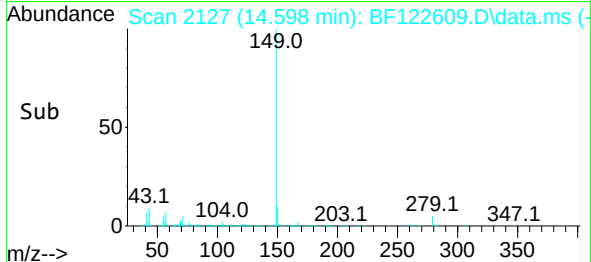
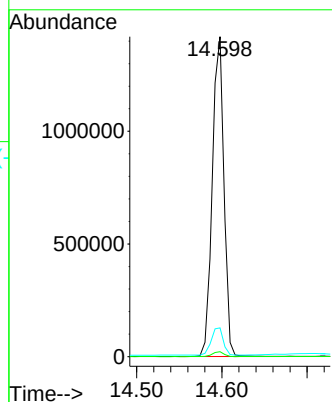
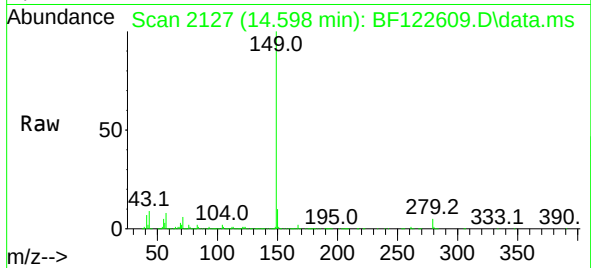




#85
Di-n-octyl phthalate
Concen: 37.88 ng
RT: 14.598 min Scan# 2127
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

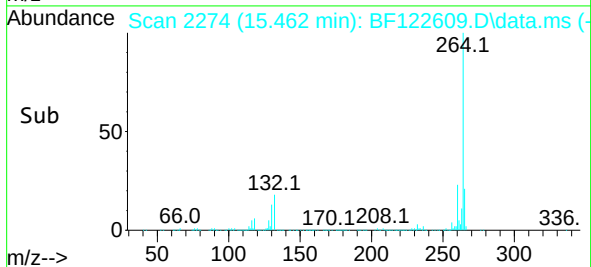
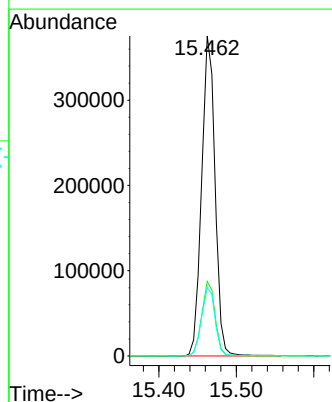
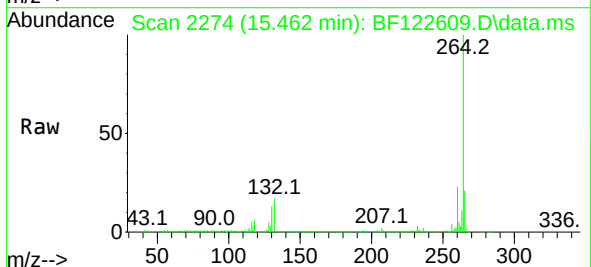
Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

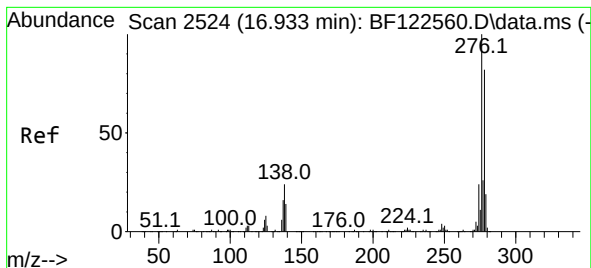
Tgt Ion:149 Resp: 1348625
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 8.7 7.6 11.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.462 min Scan# 2274
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion:264 Resp: 451882
Ion Ratio Lower Upper
264 100
260 23.3 18.6 28.0
265 21.3 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 47.88 ng

RT: 16.927 min Scan# 2523

Delta R.T. -0.006 min

Lab File: BF122609.D

Acq: 9 Dec 2020 13:02

Tgt Ion:276 Resp: 1420270

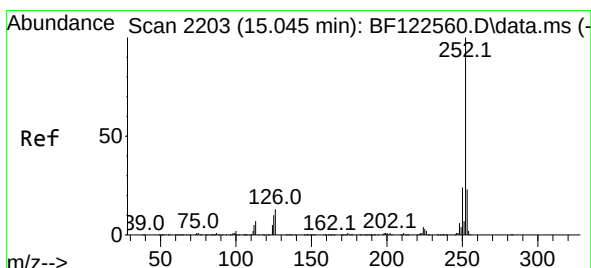
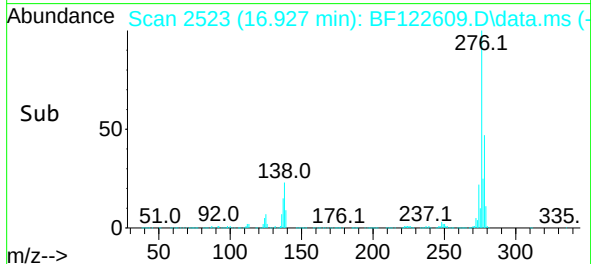
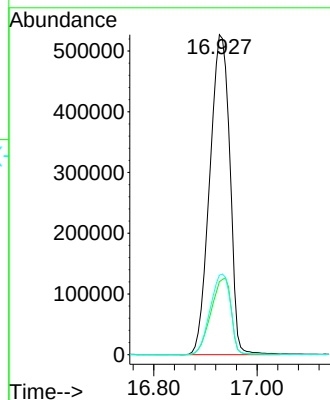
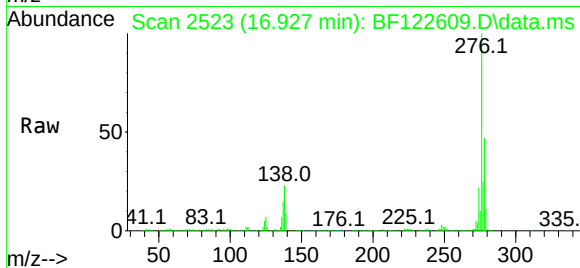
Ion	Ratio	Lower	Upper
276	100		
138	24.1	18.7	28.1
277	25.7	20.2	30.4

Instrument :

BNA_F

ClientSampleId :

HSD-SOILMSD



#88

Benzo(b)fluoranthene

Concen: 37.68 ng

RT: 15.045 min Scan# 2203

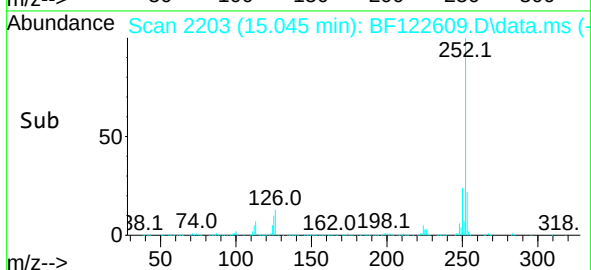
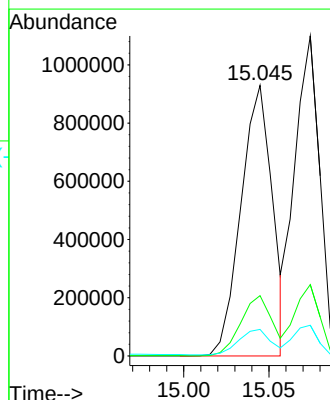
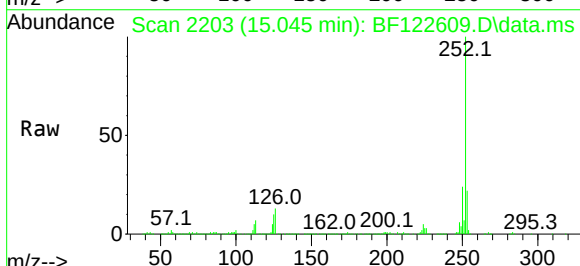
Delta R.T. -0.000 min

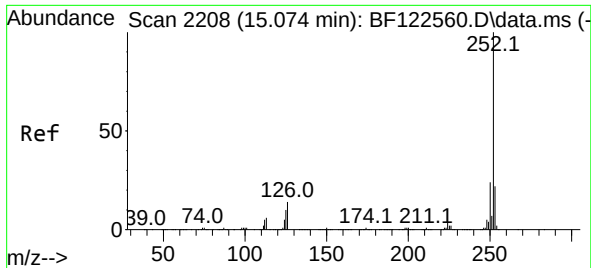
Lab File: BF122609.D

Acq: 9 Dec 2020 13:02

Tgt Ion:252 Resp: 1194551

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.3	27.5
125	9.8	8.1	12.1

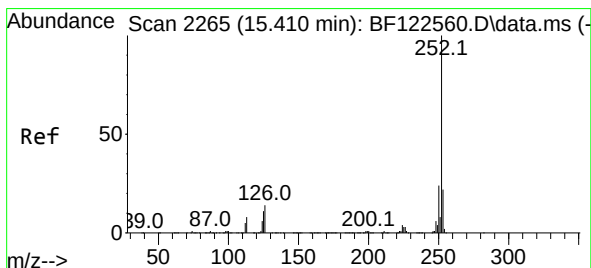
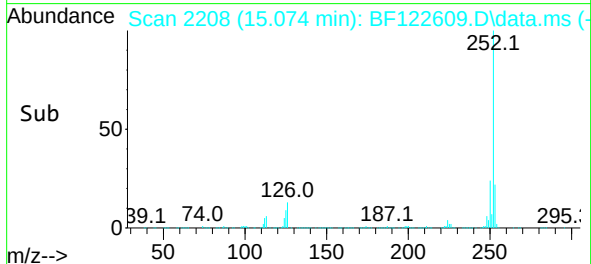
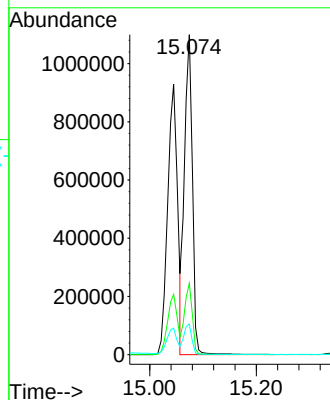
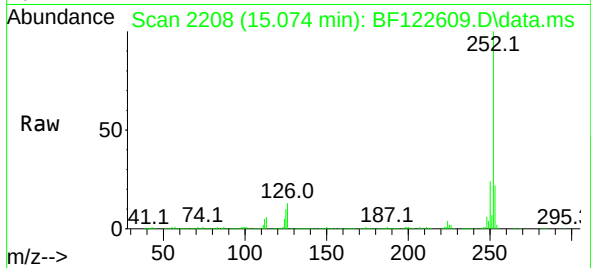




#89
Benzo(k)fluoranthene
Concen: 39.17 ng
RT: 15.074 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

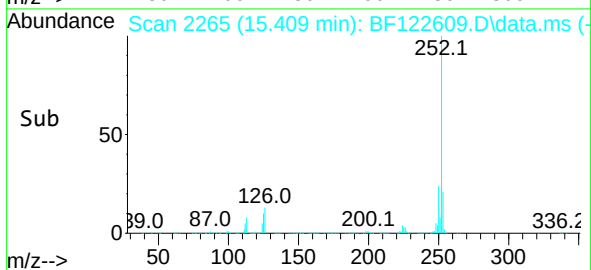
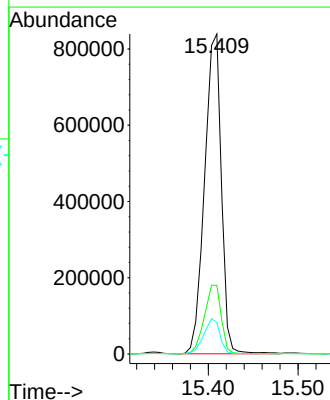
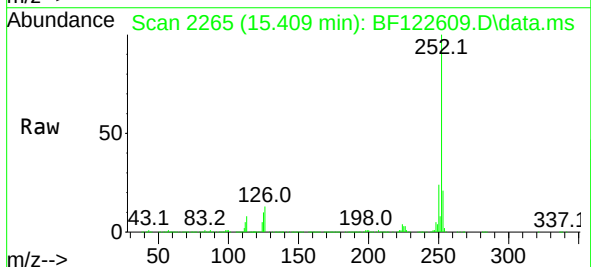
Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

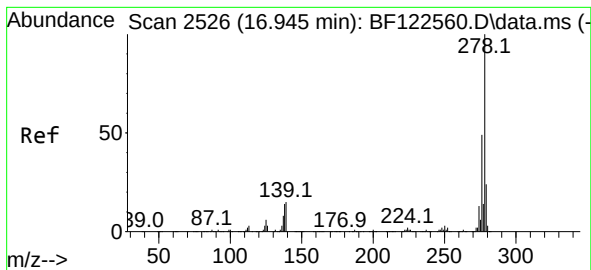
Tgt Ion:252 Resp: 1135565
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 9.6 8.4 12.6



#90
Benzo(a)pyrene
Concen: 39.21 ng
RT: 15.409 min Scan# 2265
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion:252 Resp: 1087680
Ion Ratio Lower Upper
252 100
253 21.4 17.5 26.3
125 9.8 8.6 12.8

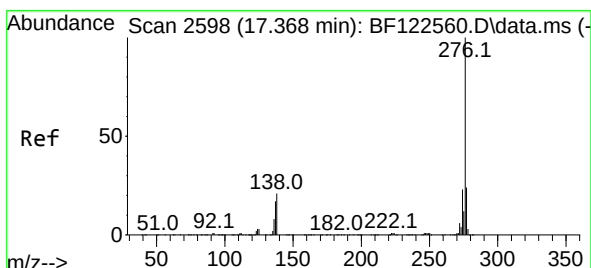
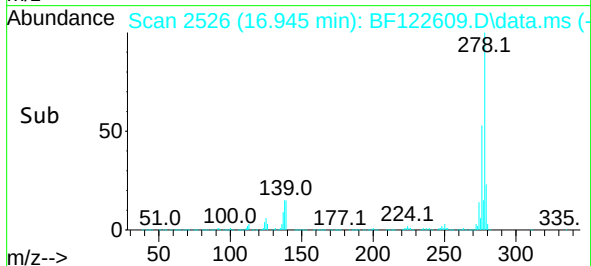
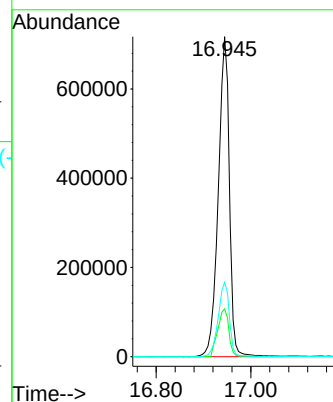
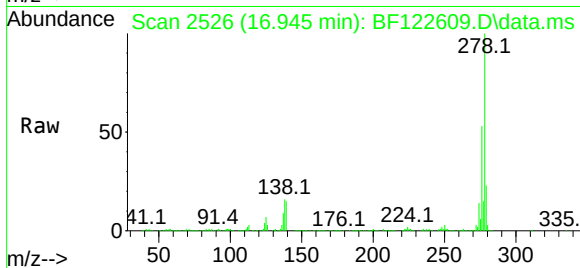




#91
Dibenzo(a,h)anthracene
Concen: 47.93 ng
RT: 16.945 min Scan# 2526
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

Tgt Ion:278 Resp: 1163559
Ion Ratio Lower Upper
278 100
139 15.0 12.0 18.0
279 23.3 19.4 29.2



#92
Benzo(g,h,i)perylene
Concen: 52.50 ng
RT: 17.368 min Scan# 2598
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion:276 Resp: 1233586
Ion Ratio Lower Upper
276 100
277 23.7 19.3 28.9
138 20.6 16.6 24.8

