

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061021\
 Data File : BF124251.D
 Acq On : 11 Jun 2021 1:13
 Operator : JU/CG
 Sample : M2651-03 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DEP-CRANE-PAD-EXCAVATION

Quant Time: Jun 11 06:09:42 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 10 01:53:56 2021
 Response via : Initial Calibration

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

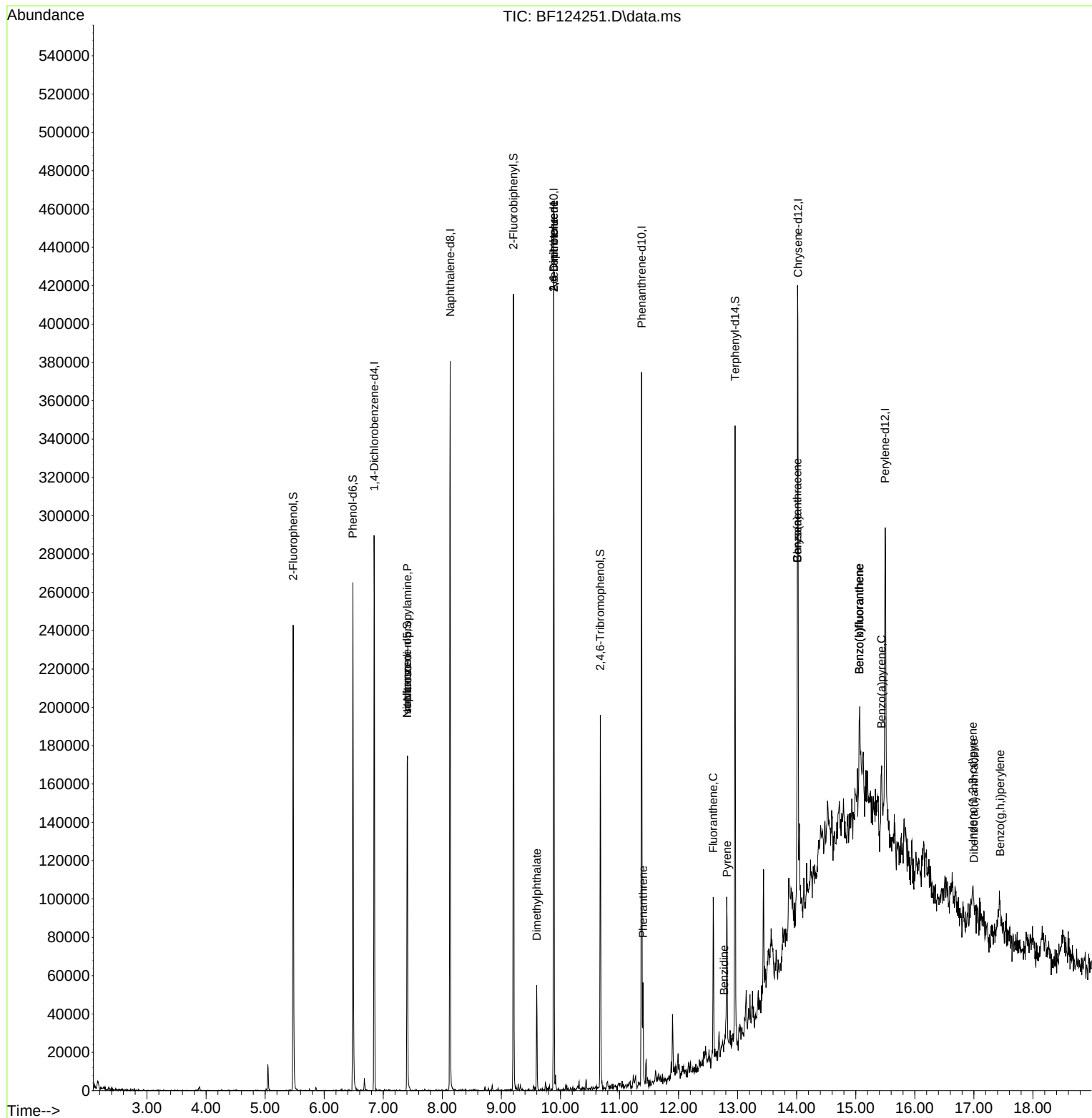
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	35414	20.00	ng	0.00
21) Naphthalene-d8	8.133	136	140365	20.00	ng	# 0.00
39) Acenaphthene-d10	9.886	164	77466	20.00	ng	0.00
64) Phenanthrene-d10	11.374	188	111874	20.00	ng	0.00
76) Chrysene-d12	14.021	240	98531	20.00	ng	# 0.00
86) Perylene-d12	15.498	264	59504	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	53858	22.89	ng	0.00
7) Phenol-d6	6.486	99	69227	21.89	ng	-0.01
23) Nitrobenzene-d5	7.404	82	53044	14.99	ng	-0.01
42) 2,4,6-Tribromophenol	10.674	330	18184	16.57	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	100490	16.32	ng	0.00
79) Terphenyl-d14	12.957	244	82635	11.51	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.410	70	7402	3.32	ng	# 63
25) Isophorone	7.404	82	53043	8.32	ng	# 69
50) Dimethylphthalate	9.598	163	18348	2.86	ng	# 89
51) 2,6-Dinitrotoluene	9.886	165	9452	6.43	ng	# 11
57) 2,4-Dinitrotoluene	9.886	165	9452	4.88	ng	# 17
71) Phenanthrene	11.398	178	15595	2.23	ng	# 88
75) Fluoranthene	12.586	202	30355	4.14	ng	96
77) Benzidine	12.774	184	133	4.11	ng	# 68
78) Pyrene	12.821	202	28754	3.04	ng	94
81) Benzo(a)anthracene	14.009	228	18776	2.62	ng	95
83) Chrysene	14.009	228	18776	2.71	ng	98
87) Indeno(1,2,3-cd)pyrene	16.980	276	7814	5.77	ng	# 83
88) Benzo(b)fluoranthene	15.062	252	28949	6.26	ng	# 87
89) Benzo(k)fluoranthene	15.062	252	28949	6.62	ng	# 86
90) Benzo(a)pyrene	15.433	252	14251	3.55	ng	# 85
91) Dibenzo(a,h)anthracene	17.003	278	2496	4.71	ng	# 13
92) Benzo(g,h,i)perylene	17.445	276	7599	5.48	ng	# 76

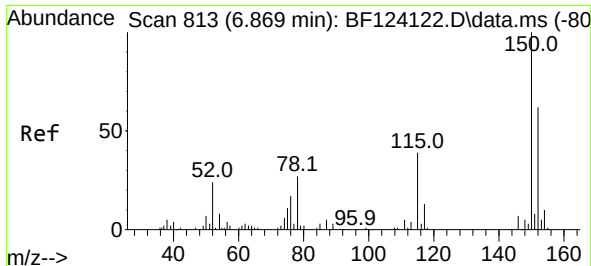
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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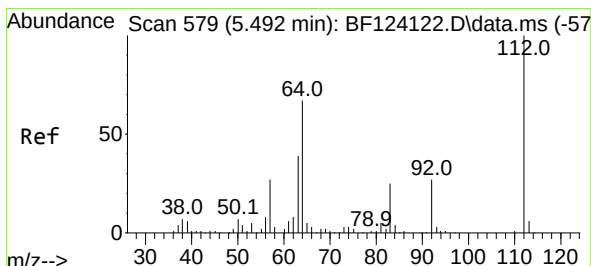
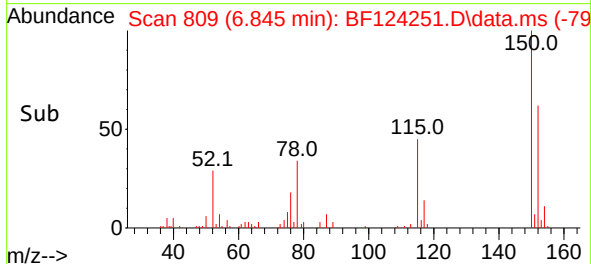
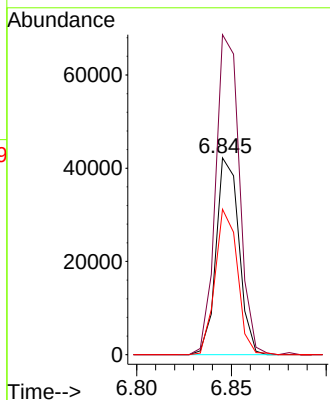
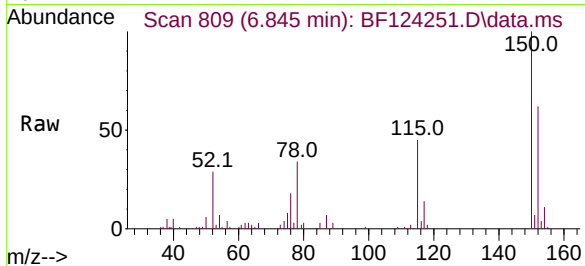




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.845 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF124251.D
Acq: 11 Jun 2021 1:13

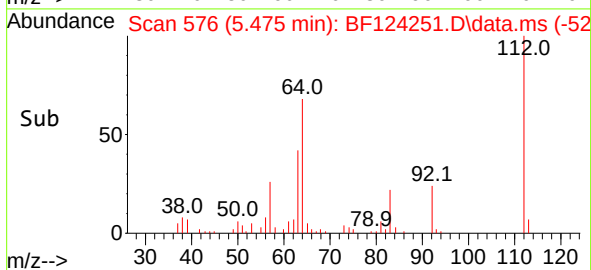
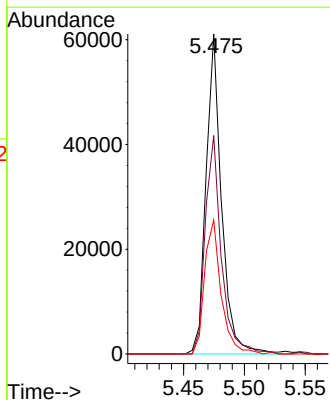
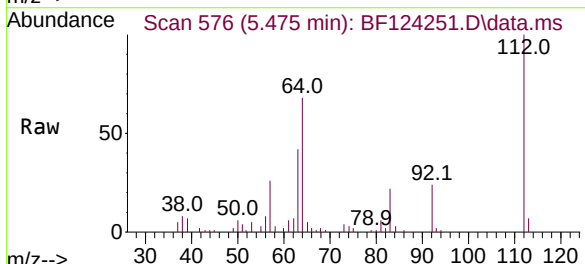
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BNA_F
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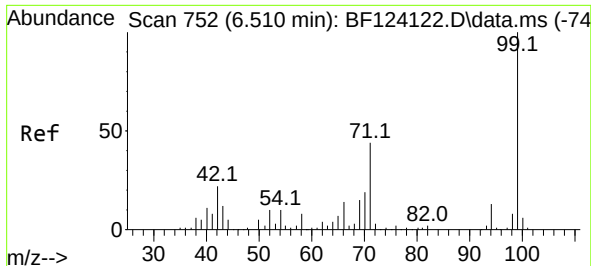
Tgt Ion:152 Resp: 35414
Ion Ratio Lower Upper
152 100
150 162.5 127.0 190.6
115 73.9 54.3 81.5



#5
2-Fluorophenol
Concen: 22.89 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF124251.D
Acq: 11 Jun 2021 1:13

Tgt Ion:112 Resp: 53858
Ion Ratio Lower Upper
112 100
64 68.3 61.4 92.0
63 41.9 33.0 49.4

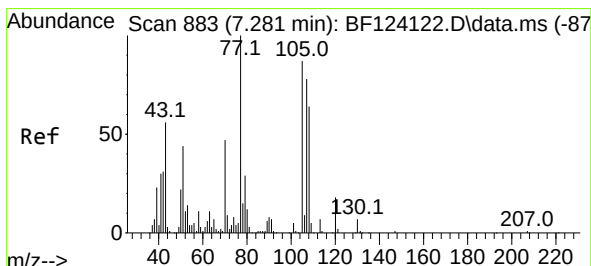
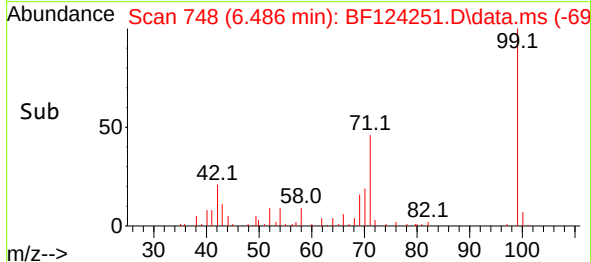
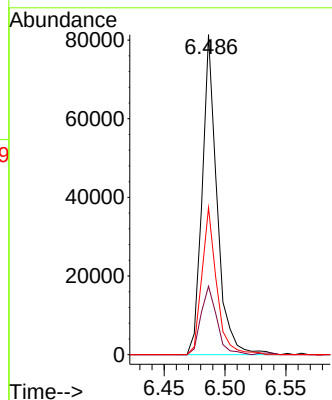
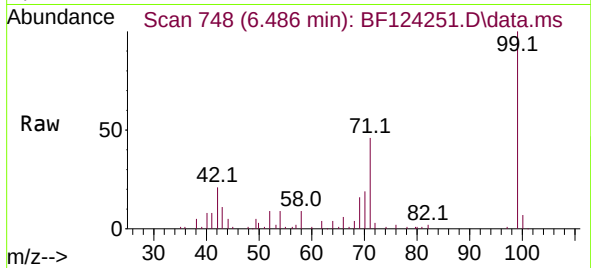




#7
Phenol-d6
Concen: 21.89 ng
RT: 6.486 min Scan# 748
Delta R.T. -0.012 min
Lab File: BF124251.D
Acq: 11 Jun 2021 1:13

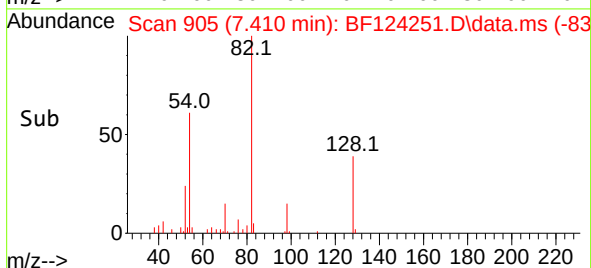
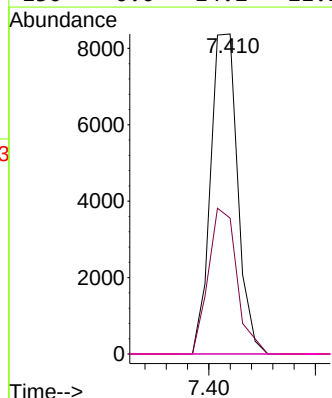
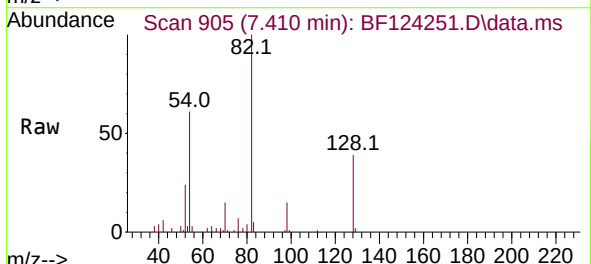
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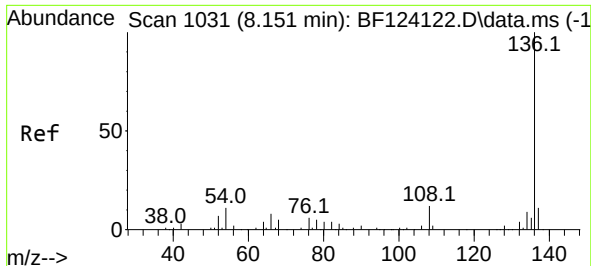
Tgt Ion: 99 Resp: 69227
Ion Ratio Lower Upper
99 100
42 21.4 19.8 29.8
71 46.0 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 3.32 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF124251.D
Acq: 11 Jun 2021 1:13

Tgt Ion: 70 Resp: 7402
Ion Ratio Lower Upper
70 100
42 42.5 60.1 90.1#
101 0.0 7.4 11.2#
130 0.0 14.2 21.2#

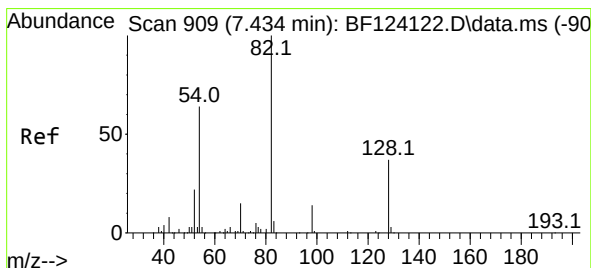
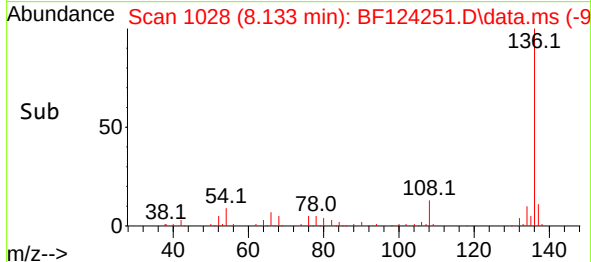
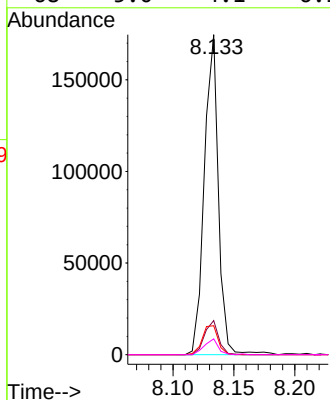
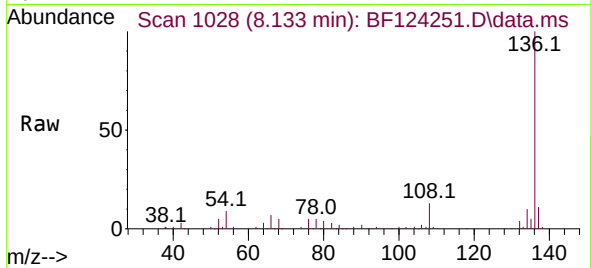




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.133 min Scan# 1028
Delta R.T. 0.000 min
Lab File: BF124251.D
Acq: 11 Jun 2021 1:13

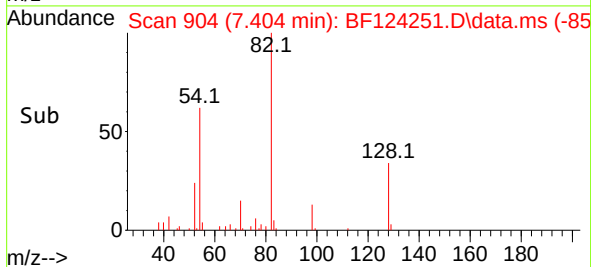
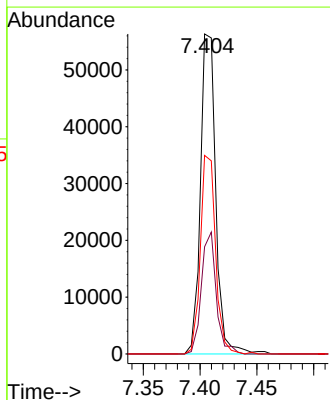
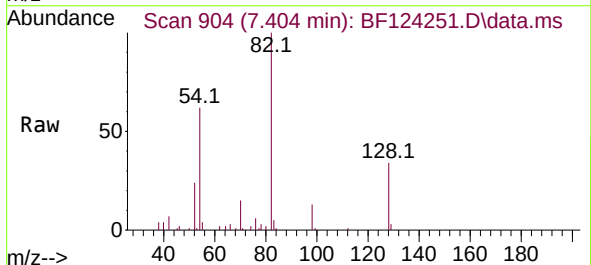
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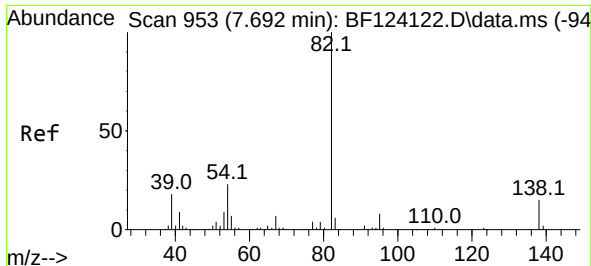
Tgt Ion:	136	Resp:	140365
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.7	13.1
54	9.1	9.8	14.6#
68	5.0	4.1	6.1



#23
Nitrobenzene-d5
Concen: 14.99 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.012 min
Lab File: BF124251.D
Acq: 11 Jun 2021 1:13

Tgt Ion:	82	Resp:	53044
Ion Ratio	Lower	Upper	
82	100		
128	33.5	29.4	44.2
54	62.1	54.1	81.1

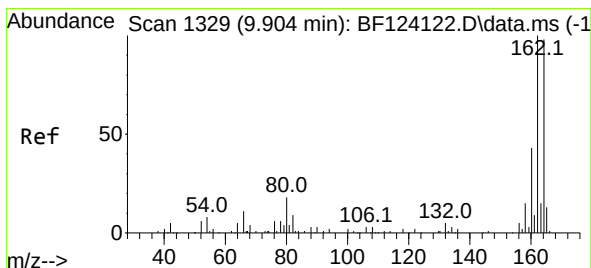
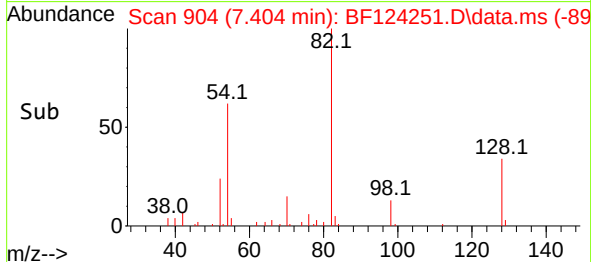
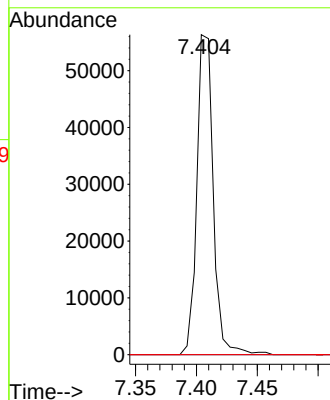
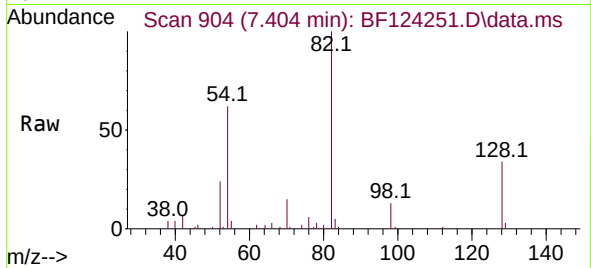




#25
Isophorone
Concen: 8.32 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.271 min
Lab File: BF124251.D
Acq: 11 Jun 2021 1:13

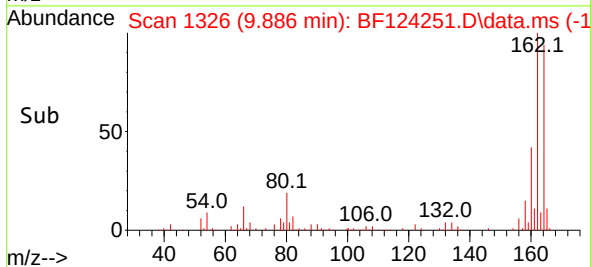
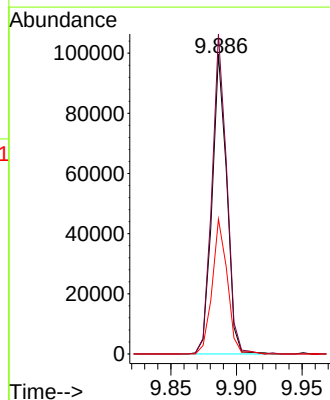
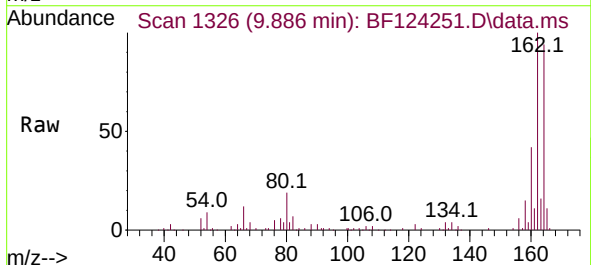
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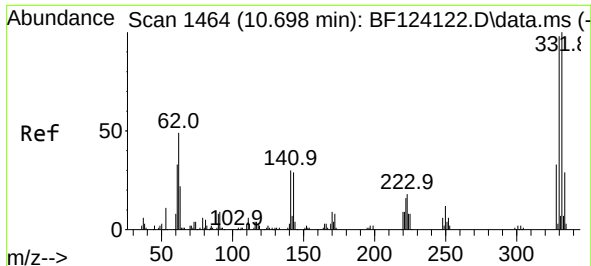
Tgt Ion: 82 Resp: 53043
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF124251.D
Acq: 11 Jun 2021 1:13

Tgt Ion: 164 Resp: 77466
Ion Ratio Lower Upper
164 100
162 106.8 80.7 121.1
160 45.0 37.3 55.9

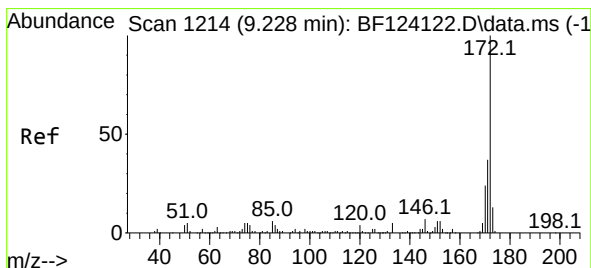
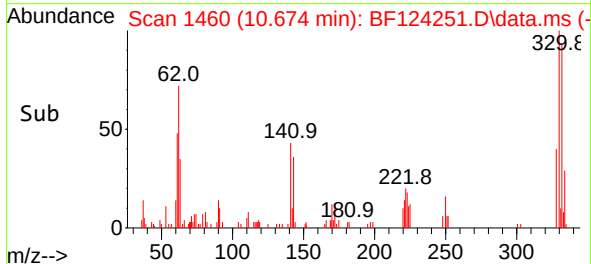
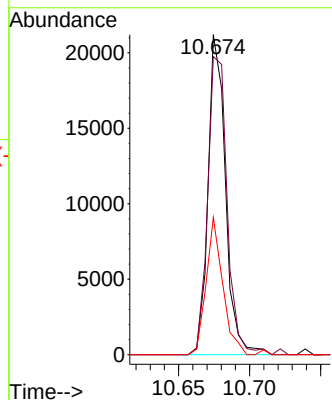
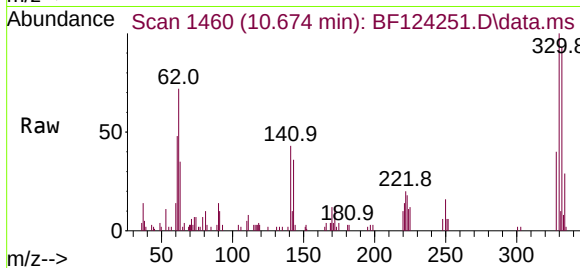




#42
2,4,6-Tribromophenol
Concen: 16.57 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF124251.D
Acq: 11 Jun 2021 1:13

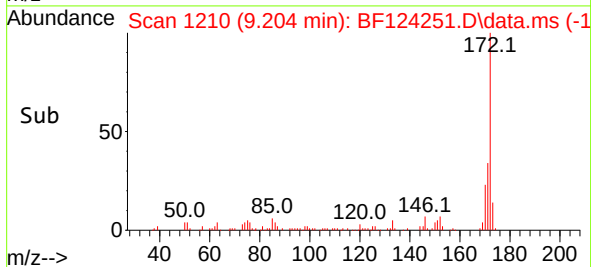
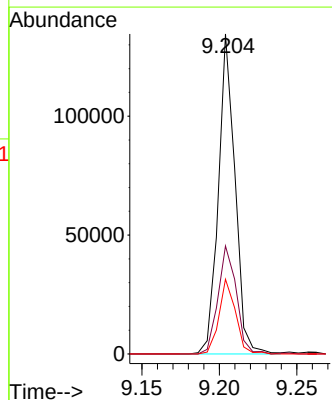
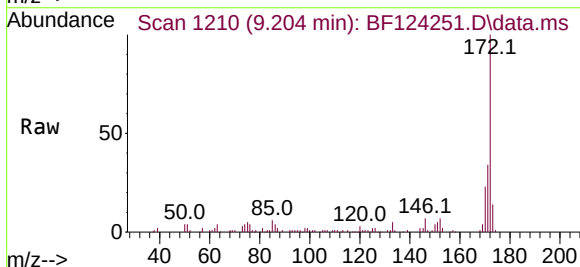
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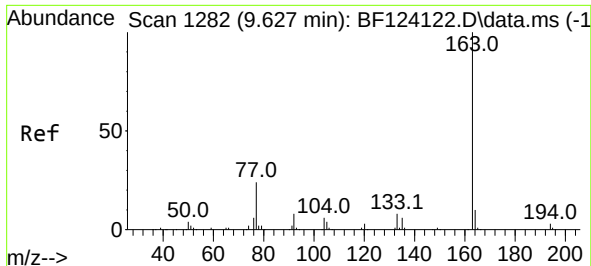
Tgt Ion: 330 Resp: 18184
Ion Ratio Lower Upper
330 100
332 104.8 77.1 115.7
141 40.8 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 16.32 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF124251.D
Acq: 11 Jun 2021 1:13

Tgt Ion: 172 Resp: 100490
Ion Ratio Lower Upper
172 100
171 33.7 28.1 42.1
170 23.3 19.2 28.8

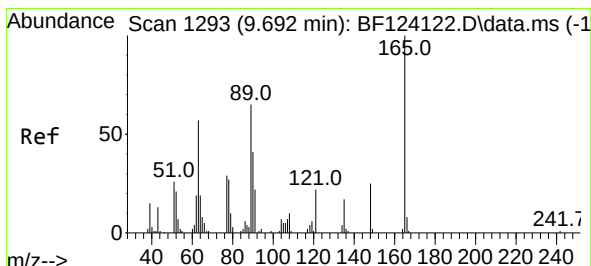
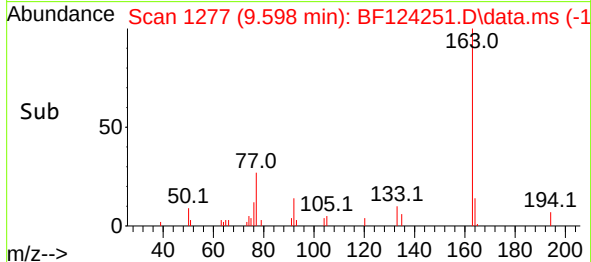
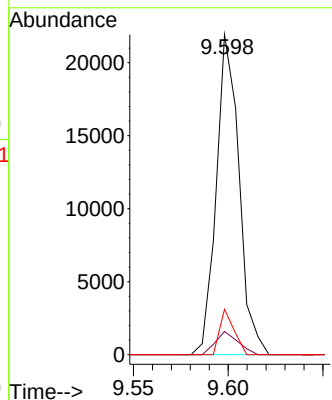
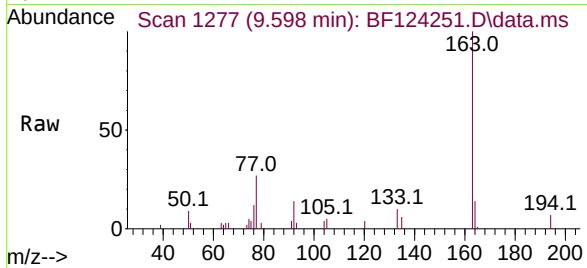




#50
Dimethylphthalate
Concen: 2.86 ng
RT: 9.598 min Scan# 1277
Delta R.T. -0.018 min
Lab File: BF124251.D
Acq: 11 Jun 2021 1:13

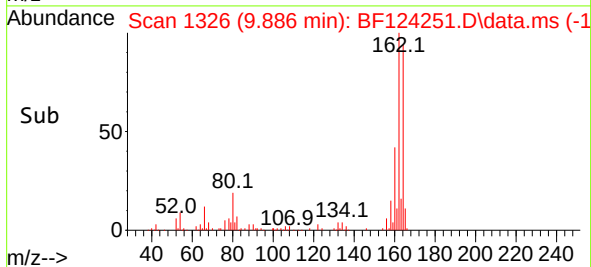
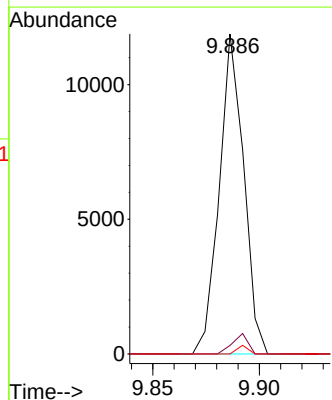
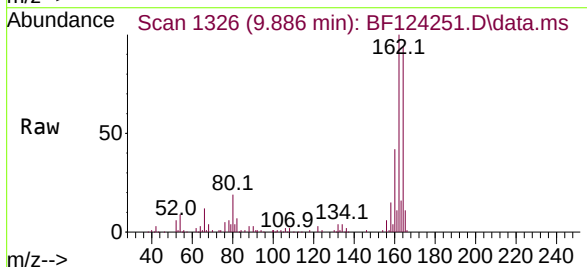
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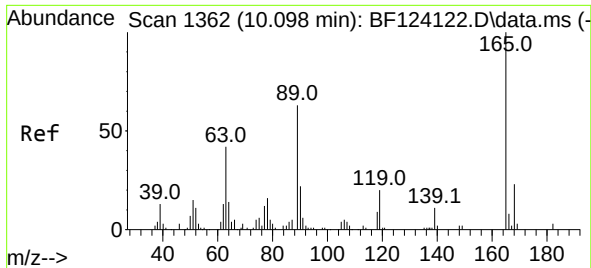
Tgt Ion:163 Resp: 18348
Ion Ratio Lower Upper
163 100
194 7.3 3.1 4.7#
164 14.2 8.2 12.2#



#51
2,6-Dinitrotoluene
Concen: 6.43 ng
RT: 9.886 min Scan# 1326
Delta R.T. 0.206 min
Lab File: BF124251.D
Acq: 11 Jun 2021 1:13

Tgt Ion:165 Resp: 9452
Ion Ratio Lower Upper
165 100
63 2.7 67.7 101.5#
89 0.0 58.8 88.2#

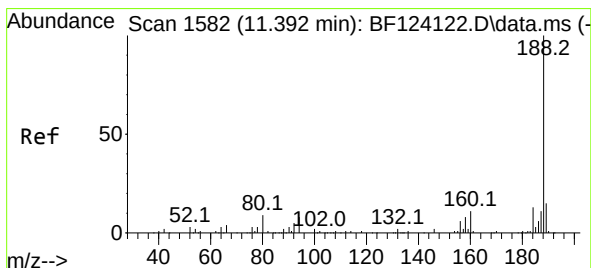
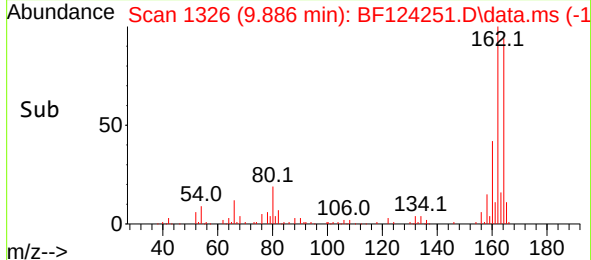
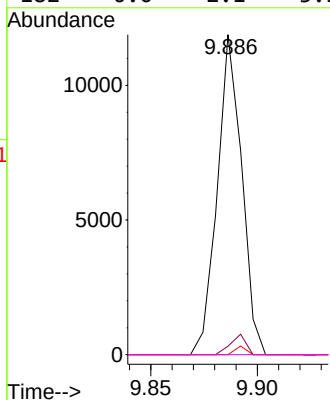
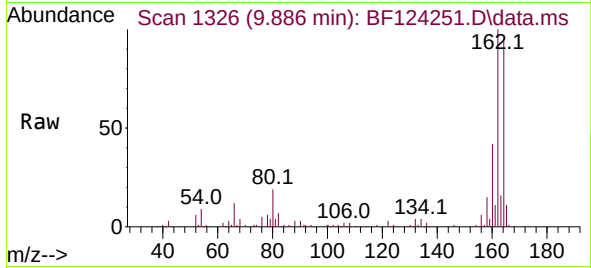




#57
2,4-Dinitrotoluene
Concen: 4.88 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.200 min
Lab File: BF124251.D
Acq: 11 Jun 2021 1:13

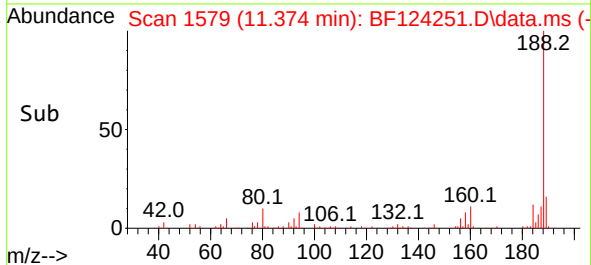
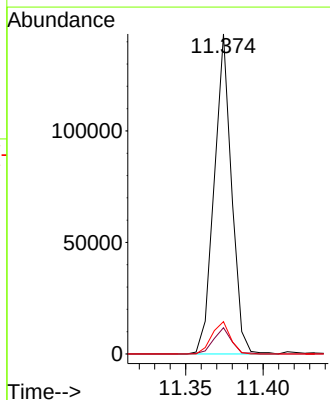
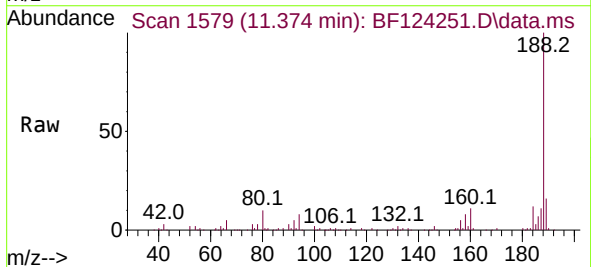
Instrument :
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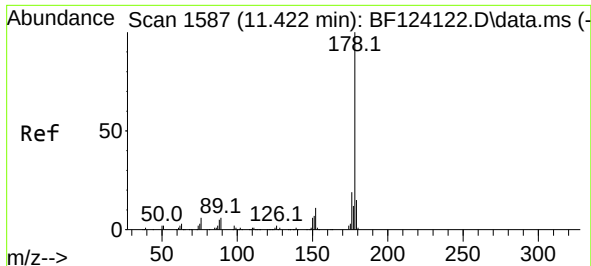
Tgt Ion:165	Resp:	9452
Ion Ratio	Lower	Upper
165	100	
63	2.7	43.5 65.3#
89	0.0	67.7 101.5#
182	0.0	2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.374 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BF124251.D
Acq: 11 Jun 2021 1:13

Tgt Ion:188	Resp:	111874
Ion Ratio	Lower	Upper
188	100	
94	8.2	6.9 10.3
80	10.1	8.2 12.2

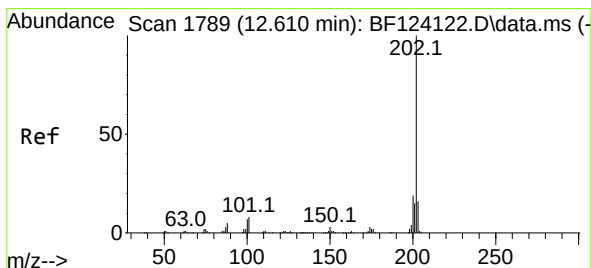
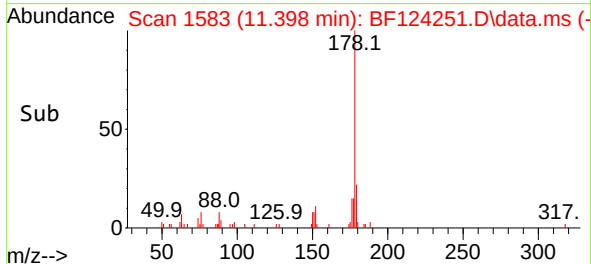
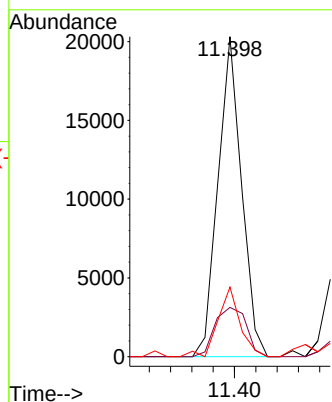
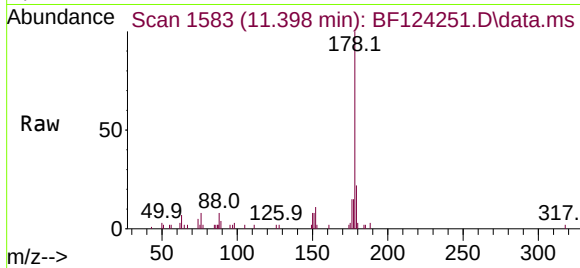




#71
Phenanthrene
Concen: 2.23 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF124251.D
Acq: 11 Jun 2021 1:13

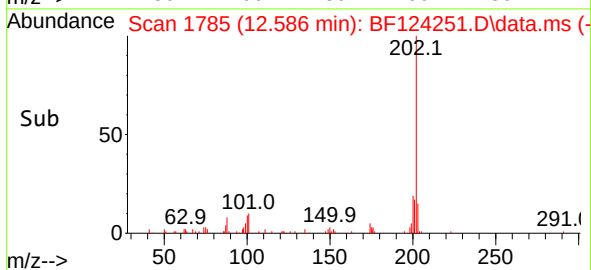
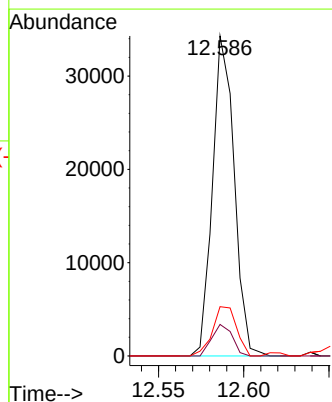
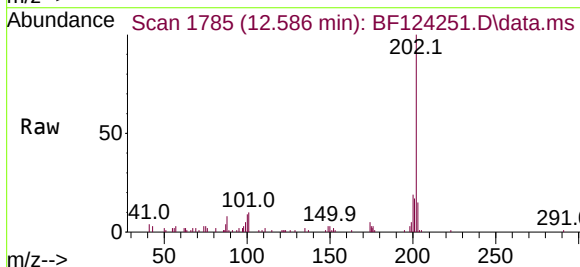
Instrument :
BNA_F
ClientSampleId :
DEP-CRANE-PAD-EXCAVATION

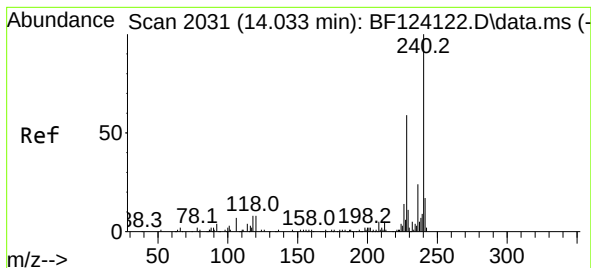
Tgt Ion:178 Resp: 15595
Ion Ratio Lower Upper
178 100
176 15.4 15.6 23.4#
179 21.7 12.5 18.7#



#75
Fluoranthene
Concen: 4.14 ng
RT: 12.586 min Scan# 1785
Delta R.T. -0.006 min
Lab File: BF124251.D
Acq: 11 Jun 2021 1:13

Tgt Ion:202 Resp: 30355
Ion Ratio Lower Upper
202 100
101 9.9 0.0 30.9
203 15.4 0.0 37.5





#76

Chrysene-d12

Concen: 20.00 ng

RT: 14.021 min Scan# 2029

Delta R.T. 0.000 min

Lab File: BF124251.D

Acq: 11 Jun 2021 1:13

Tgt Ion:240 Resp: 98531

Ion Ratio Lower Upper

240 100

120 5.8 7.2 10.8#

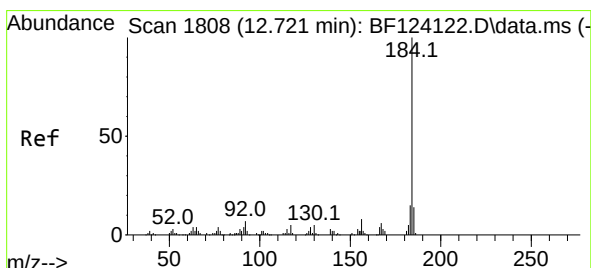
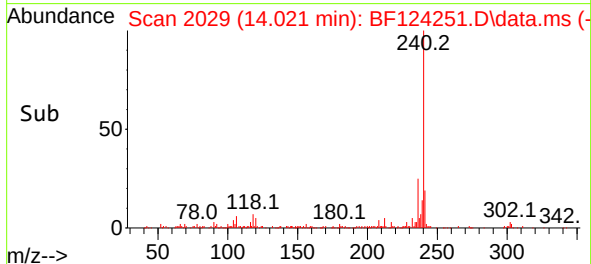
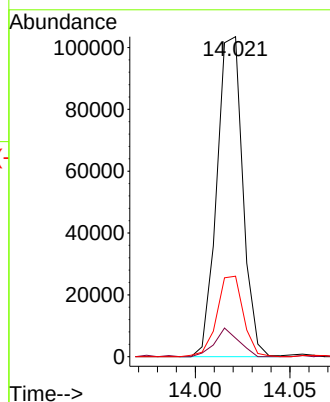
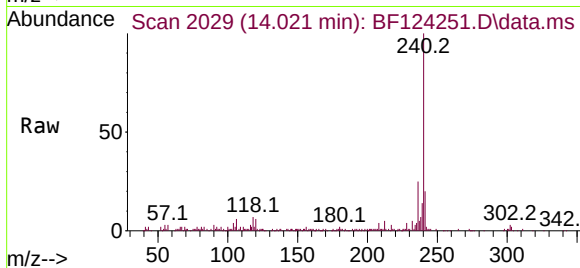
236 25.1 19.0 28.4

Instrument :

BNA_F

ClientSampleId :

DEP-CRANE-PAD-EXCAVATION



#77

Benzidine

Concen: 4.11 ng

RT: 12.774 min Scan# 1817

Delta R.T. 0.065 min

Lab File: BF124251.D

Acq: 11 Jun 2021 1:13

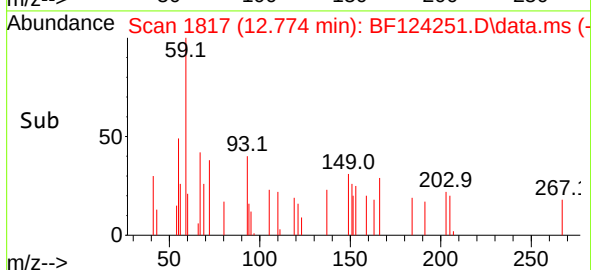
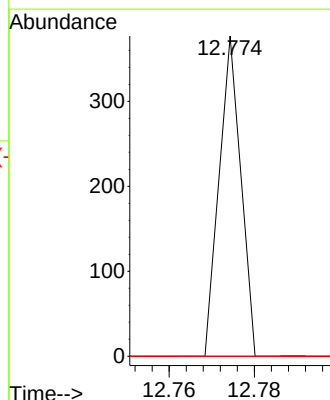
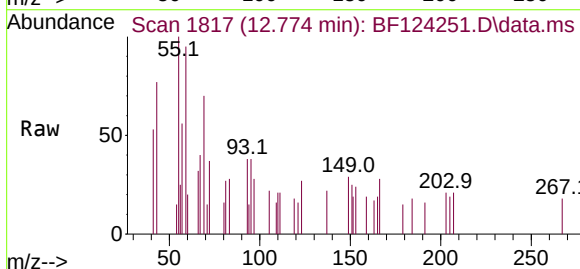
Tgt Ion:184 Resp: 133

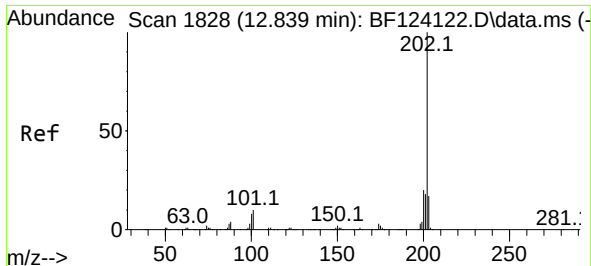
Ion Ratio Lower Upper

184 100

185 0.0 12.1 18.1#

183 0.0 7.8 11.8#

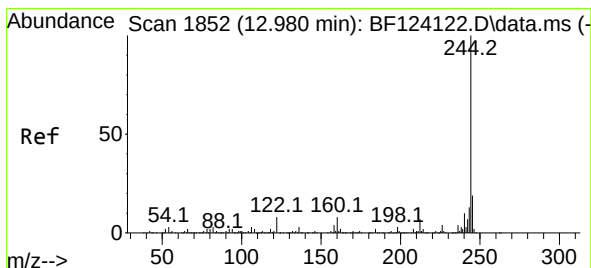
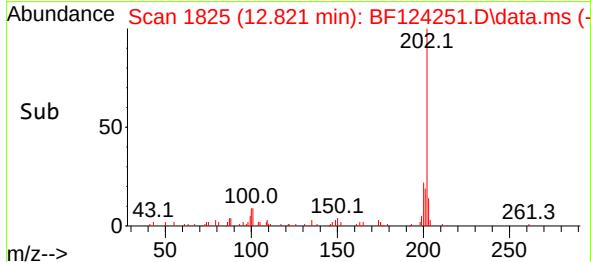
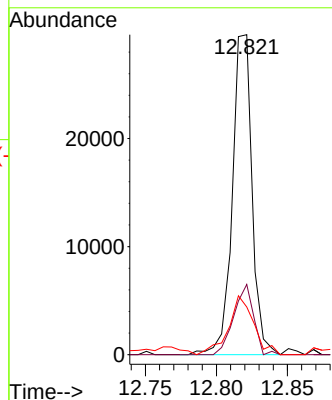
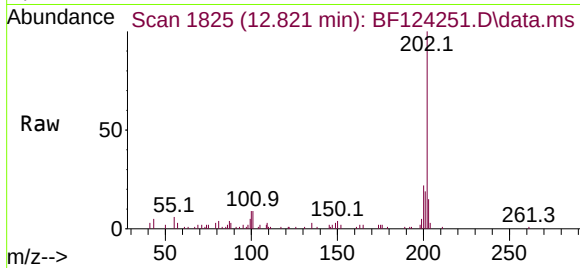




#78
Pyrene
Concen: 3.04 ng
RT: 12.821 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF124251.D
Acq: 11 Jun 2021 1:13

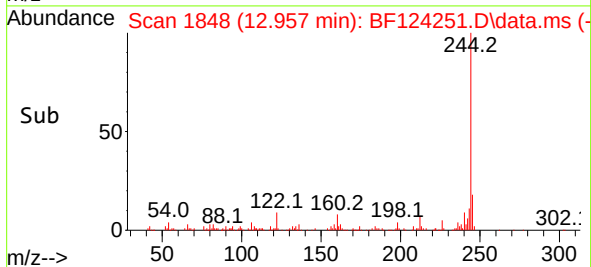
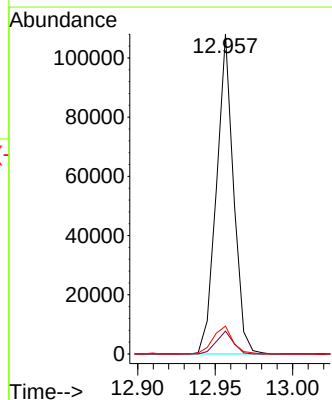
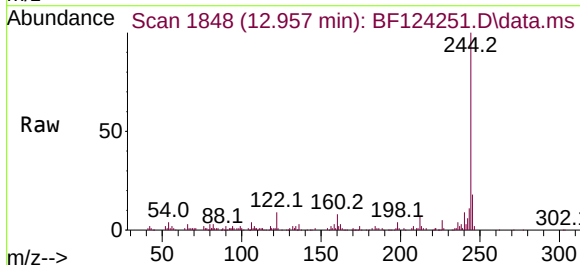
Instrument :
BNA_F
ClientSampleId :
DEP-CRANE-PAD-EXCAVATION

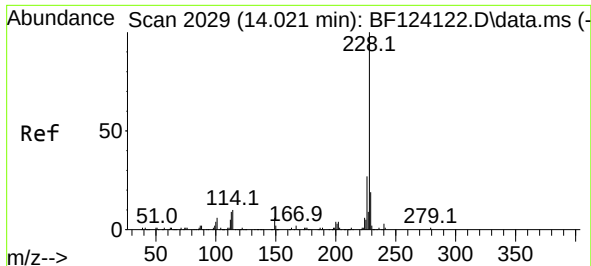
Tgt Ion:202 Resp: 28754
Ion Ratio Lower Upper
202 100
200 22.0 16.1 24.1
203 14.9 14.8 22.2



#79
Terphenyl-d14
Concen: 11.51 ng
RT: 12.957 min Scan# 1848
Delta R.T. -0.006 min
Lab File: BF124251.D
Acq: 11 Jun 2021 1:13

Tgt Ion:244 Resp: 82635
Ion Ratio Lower Upper
244 100
212 7.2 5.7 8.5
122 8.7 9.7 14.5#

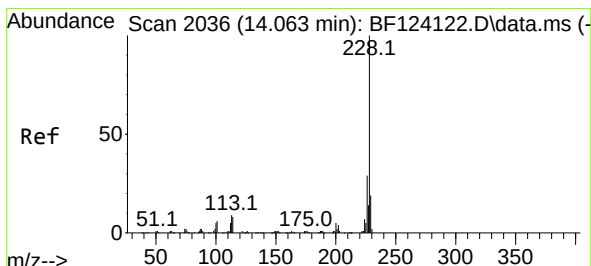
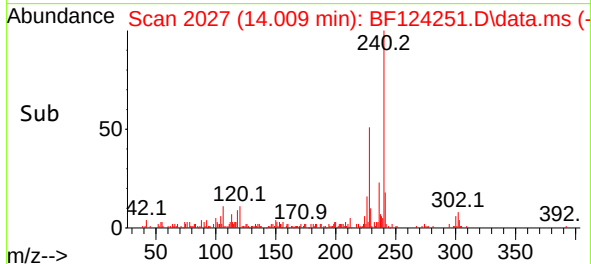
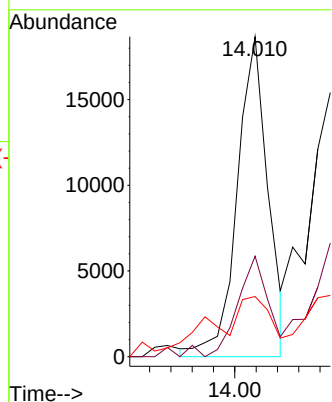
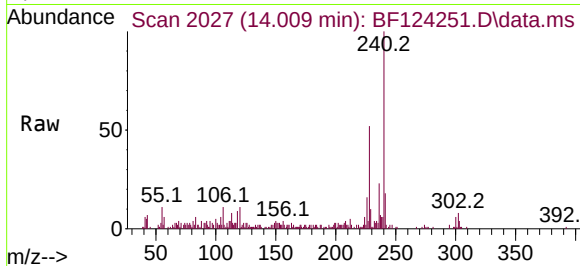




#81
Benzo(a)anthracene
Concen: 2.62 ng
RT: 14.009 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BF124251.D
Acq: 11 Jun 2021 1:13

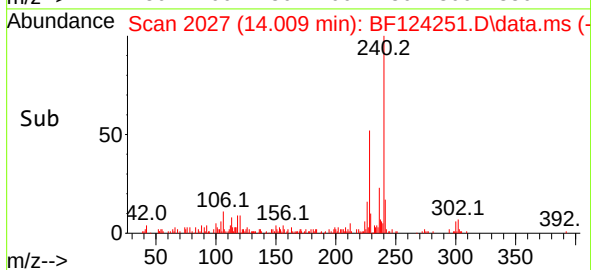
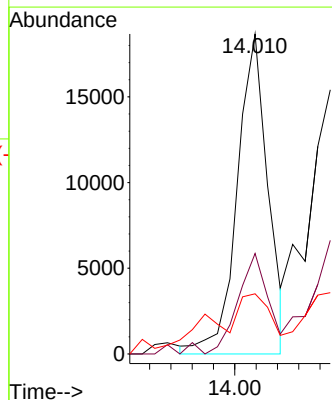
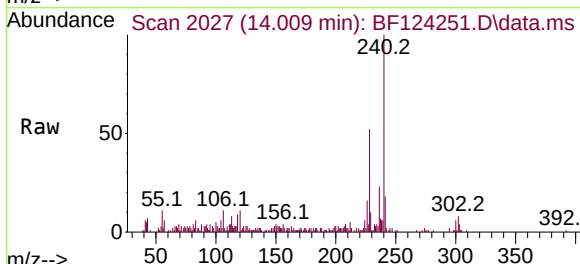
Instrument :
BNA_F
ClientSampleId :
DEP-CRANE-PAD-EXCAVATION

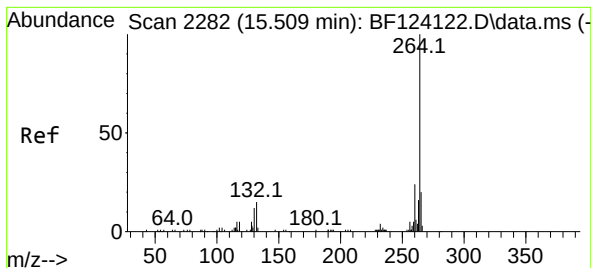
Tgt Ion:228 Resp: 18776
Ion Ratio Lower Upper
228 100
226 31.4 22.4 33.6
229 18.8 16.0 24.0



#83
Chrysene
Concen: 2.71 ng
RT: 14.009 min Scan# 2027
Delta R.T. -0.035 min
Lab File: BF124251.D
Acq: 11 Jun 2021 1:13

Tgt Ion:228 Resp: 18776
Ion Ratio Lower Upper
228 100
226 31.4 24.3 36.5
229 18.8 16.2 24.2





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.498 min Scan# 2280

Delta R.T. 0.006 min

Lab File: BF124251.D

Acq: 11 Jun 2021 1:13

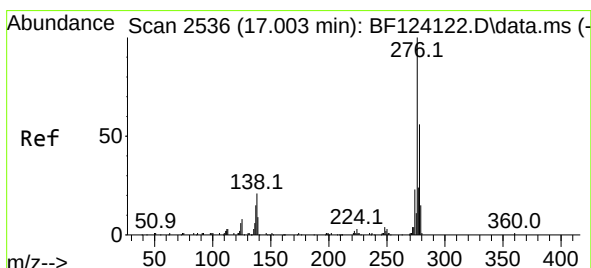
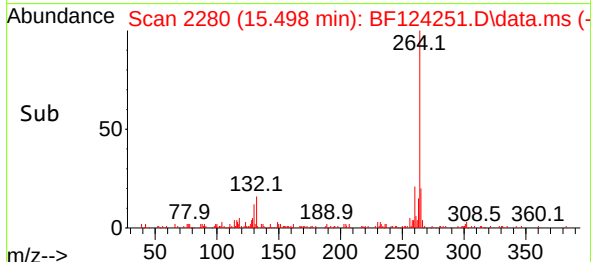
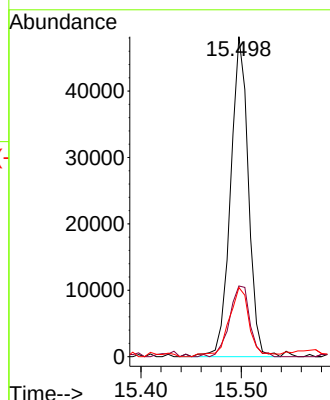
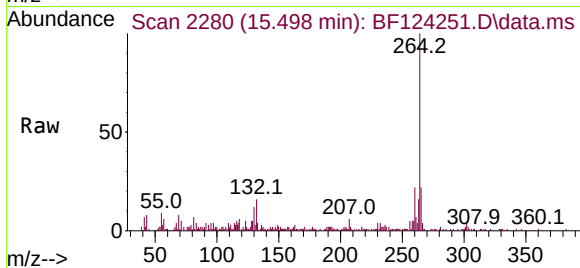
Tgt Ion:	264	Resp:	59504
Ion Ratio	Lower	Upper	
264	100		
260	22.1	18.7	28.1
265	21.6	17.8	26.8

Instrument :

BNA_F

ClientSampleId :

DEP-CRANE-PAD-EXCAVATION



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.77 ng

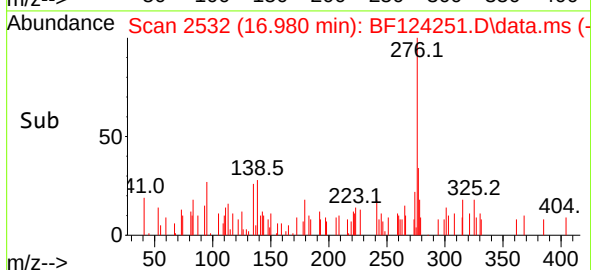
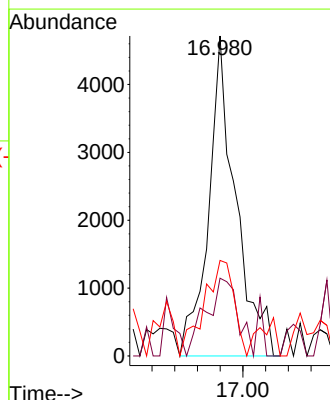
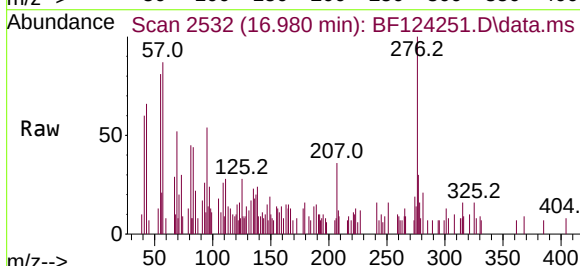
RT: 16.980 min Scan# 2532

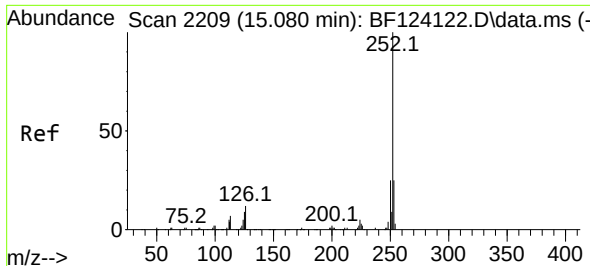
Delta R.T. 0.000 min

Lab File: BF124251.D

Acq: 11 Jun 2021 1:13

Tgt Ion:	276	Resp:	7814
Ion Ratio	Lower	Upper	
276	100		
138	28.4	16.2	24.2#
277	33.0	20.1	30.1#

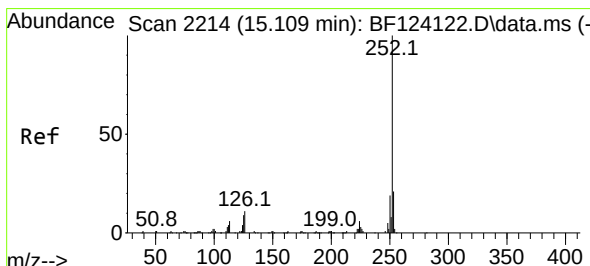
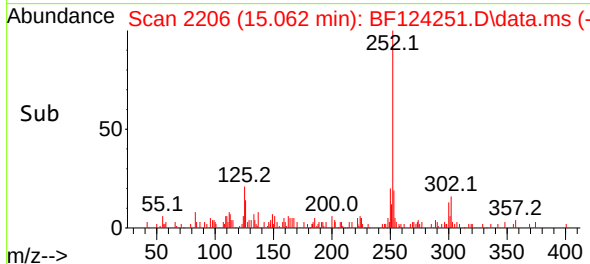
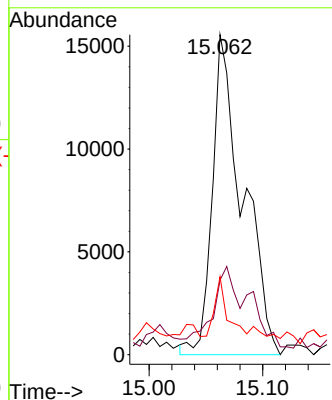
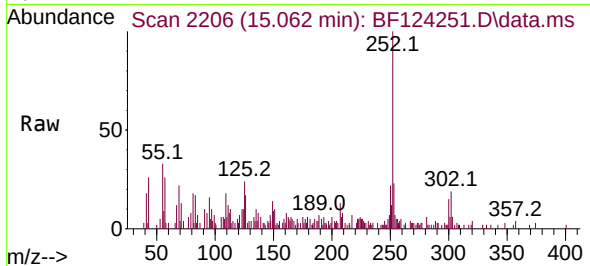




#88
Benzo(b)fluoranthene
Concen: 6.26 ng
RT: 15.062 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BF124251.D
Acq: 11 Jun 2021 1:13

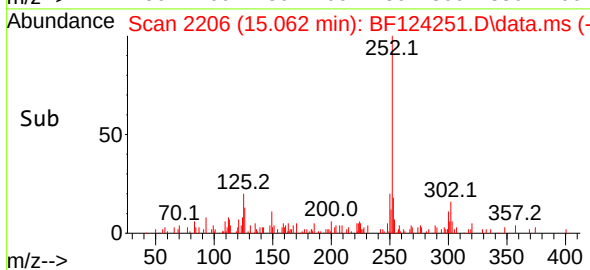
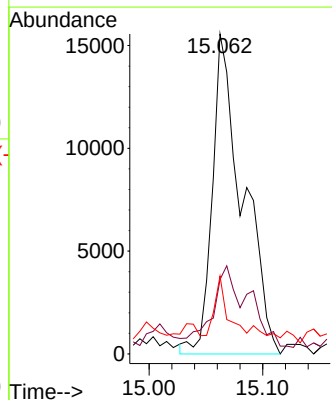
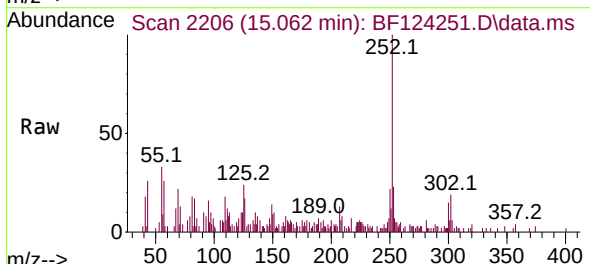
Instrument :
BNA_F
ClientSampleId :
DEP-CRANE-PAD-EXCAVATION

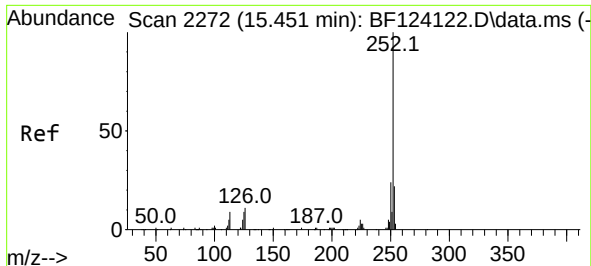
Tgt Ion:252 Resp: 28949
Ion Ratio Lower Upper
252 100
253 23.3 18.1 27.1
125 24.3 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 6.62 ng
RT: 15.062 min Scan# 2206
Delta R.T. -0.029 min
Lab File: BF124251.D
Acq: 11 Jun 2021 1:13

Tgt Ion:252 Resp: 28949
Ion Ratio Lower Upper
252 100
253 23.3 17.9 26.9
125 24.3 7.0 10.6#

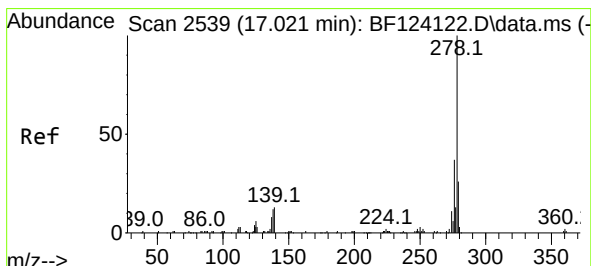
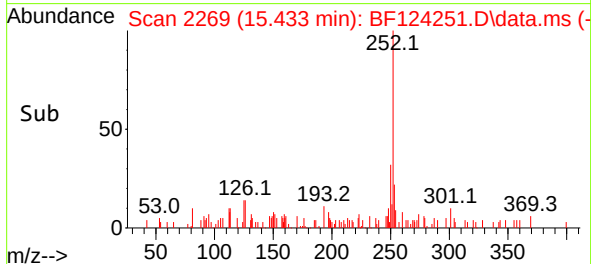
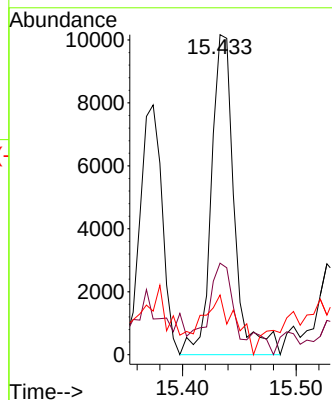
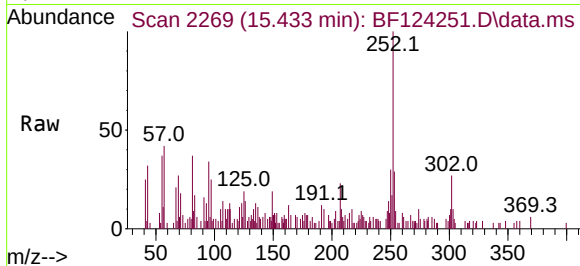




#90
Benzo(a)pyrene
Concen: 3.55 ng
RT: 15.433 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF124251.D
Acq: 11 Jun 2021 1:13

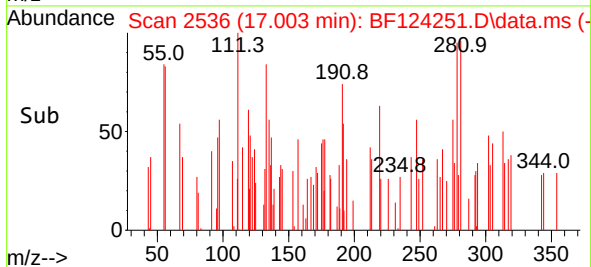
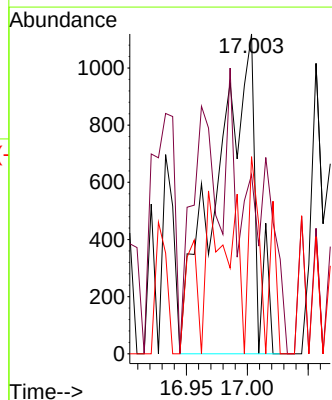
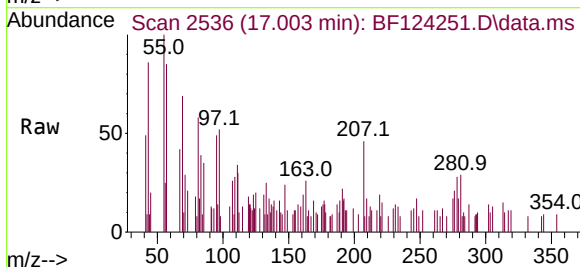
Instrument :
BNA_F
ClientSampleId :
DEP-CRANE-PAD-EXCAVATION

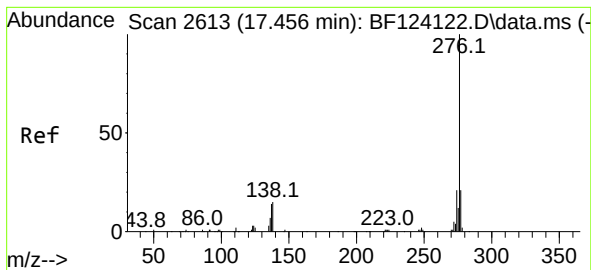
Tgt Ion:252 Resp: 14251
Ion Ratio Lower Upper
252 100
253 28.6 18.4 27.6#
125 18.6 8.0 12.0#



#91
Dibenzo(a,h)anthracene
Concen: 4.71 ng
RT: 17.003 min Scan# 2536
Delta R.T. 0.012 min
Lab File: BF124251.D
Acq: 11 Jun 2021 1:13

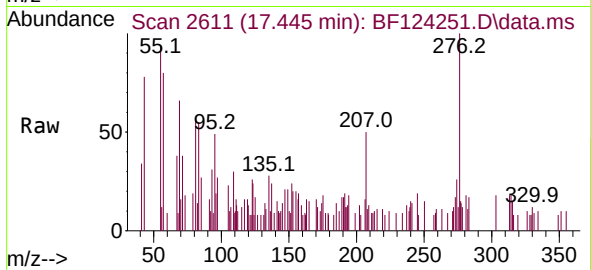
Tgt Ion:278 Resp: 2496
Ion Ratio Lower Upper
278 100
139 56.0 10.2 15.2#
279 61.7 19.4 29.0#





#92
Benzo(g,h,i)perylene
Concen: 5.48 ng
RT: 17.445 min Scan# 2611
Delta R.T. 0.012 min
Lab File: BF124251.D
Acq: 11 Jun 2021 1:13

Instrument :
BNA_F
ClientSampleId :
DEP-CRANE-PAD-EXCAVATION



Tgt Ion:	276	Resp:	7599
Ion Ratio	Lower	Upper	
276	100		
277	29.0	18.2	27.2#
138	0.0	13.8	20.6#

