

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061221\
 Data File : BF124286.D
 Acq On : 12 Jun 2021 15:05
 Operator : JU/CG
 Sample : M2651-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Jun 14 04:25:34 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)

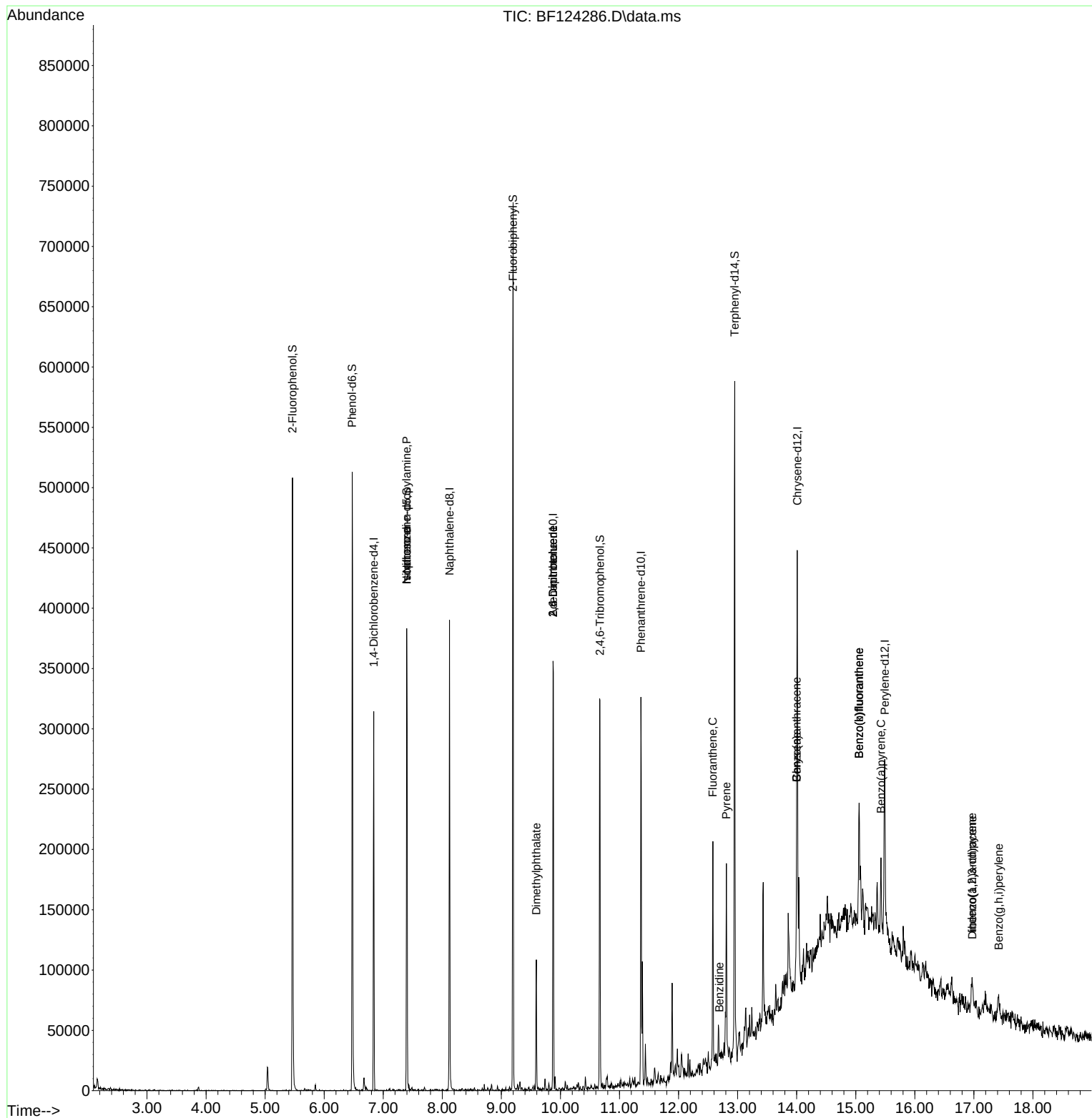
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	37258	20.000	ng	-0.01
21) Naphthalene-d8	8.122	136	130527	20.000	ng	-0.01
39) Acenaphthene-d10	9.874	164	70077	20.000	ng	-0.02
64) Phenanthrene-d10	11.363	188	105277	20.000	ng	-0.01
76) Chrysene-d12	14.010	240	93283	20.000	ng	#-0.01
86) Perylene-d12	15.492	264	55212	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	107599	43.473	ng	-0.02
7) Phenol-d6	6.475	99	134105	40.310	ng	-0.02
23) Nitrobenzene-d5	7.398	82	105981	32.203	ng	-0.02
42) 2,4,6-Tribromophenol	10.669	330	33783	34.027	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	190742	34.251	ng	-0.01
79) Terphenyl-d14	12.951	244	161292	23.739	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.398	70	15111	6.434	ng	# 68
25) Isophorone	7.398	82	105978	17.870	ng	# 69
50) Dimethylphthalate	9.592	163	38161	6.582	ng	# 95
51) 2,6-Dinitrotoluene	9.874	165	8722	6.561	ng	# 12
57) 2,4-Dinitrotoluene	9.874	165	8722	4.975	ng	# 18
75) Fluoranthene	12.580	202	62023	8.985	ng	95
77) Benzidine	12.692	184	199	4.144	ng	# 68
78) Pyrene	12.810	202	56103	6.263	ng	96
81) Benzo(a)anthracene	13.998	228	36013	5.299	ng	96
83) Chrysene	13.998	228	36013	5.493	ng	98
87) Indeno(1,2,3-cd)pyrene	16.968	276	14077	7.122	ng	# 90
88) Benzo(b)fluoranthene	15.057	252	53001	12.358	ng	# 91
89) Benzo(k)fluoranthene	15.057	252	53001	13.054	ng	# 91
90) Benzo(a)pyrene	15.427	252	25192	6.763	ng	# 89
91) Dibenzo(a,h)anthracene	16.974	278	5249	5.397	ng	# 41
92) Benzo(g,h,i)perylene	17.421	276	14842	7.338	ng	# 92

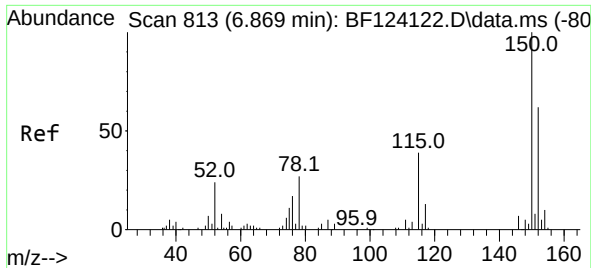
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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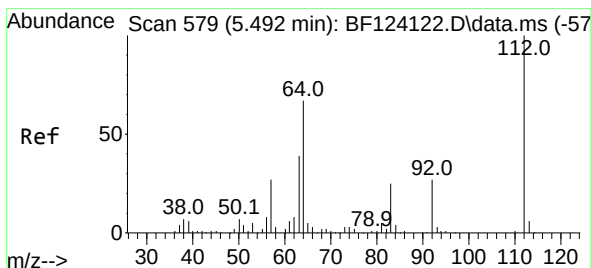
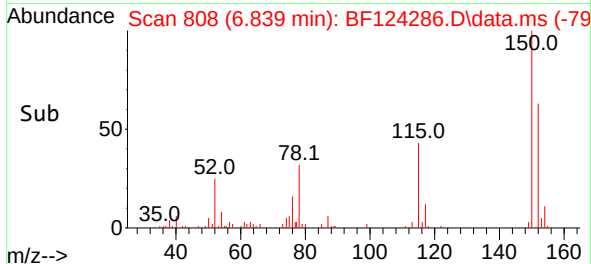
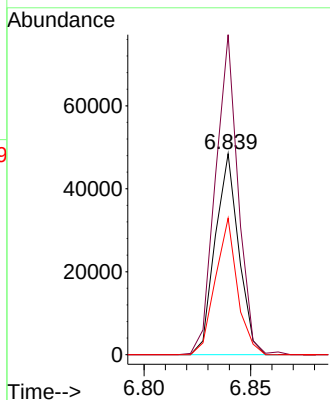
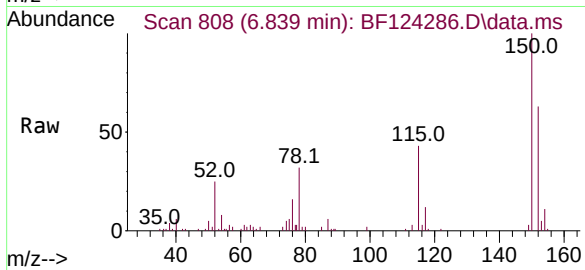




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 808
Delta R.T. -0.012 min
Lab File: BF124286.D
Acq: 12 Jun 2021 15:05

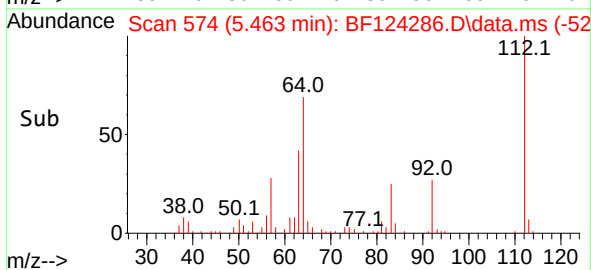
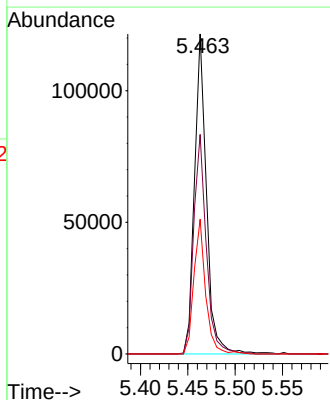
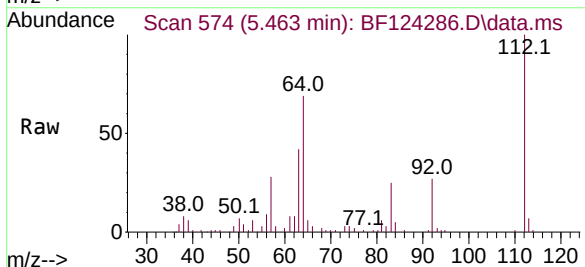
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BNA_F
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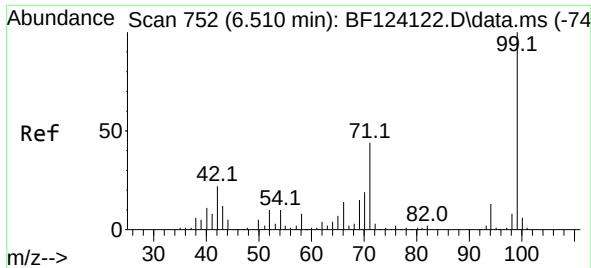
Tgt Ion:152 Resp: 37258
Ion Ratio Lower Upper
152 100
150 159.3 127.0 190.6
115 67.9 54.3 81.5



#5
2-Fluorophenol
Concen: 43.473 ng
RT: 5.463 min Scan# 574
Delta R.T. -0.018 min
Lab File: BF124286.D
Acq: 12 Jun 2021 15:05

Tgt Ion:112 Resp: 107599
Ion Ratio Lower Upper
112 100
64 68.6 61.4 92.0
63 42.1 33.0 49.4

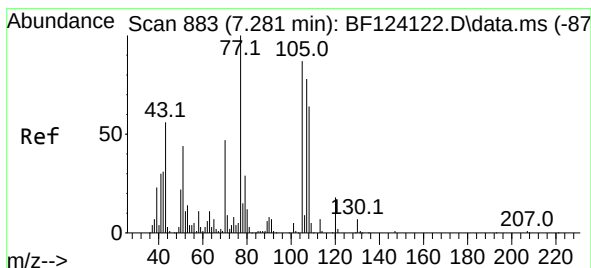
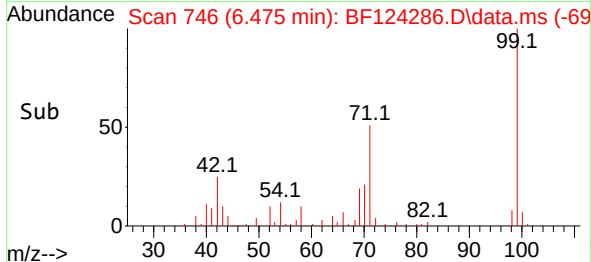
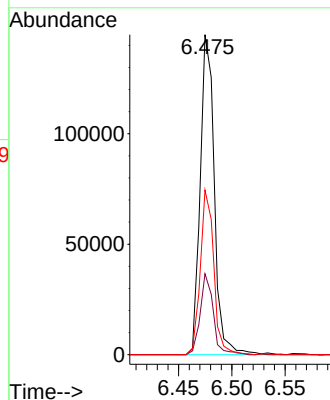
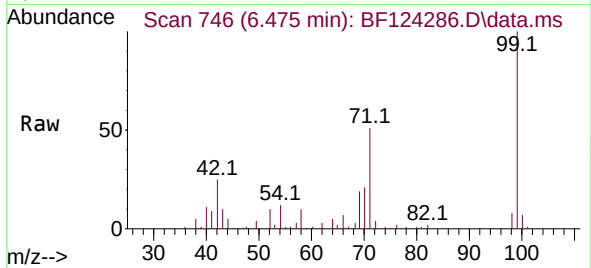




#7
Phenol-d6
Concen: 40.310 ng
RT: 6.475 min Scan# 746
Delta R.T. -0.023 min
Lab File: BF124286.D
Acq: 12 Jun 2021 15:05

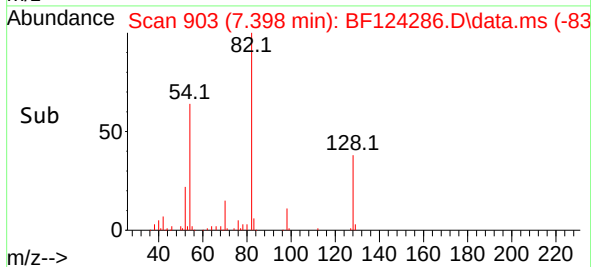
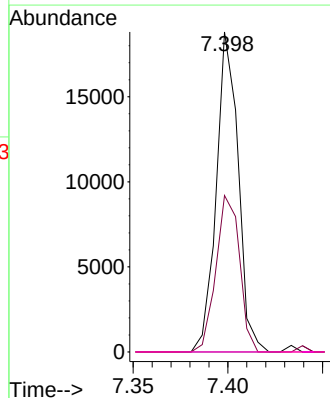
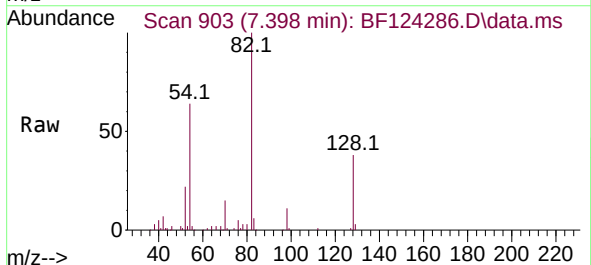
Instrument :
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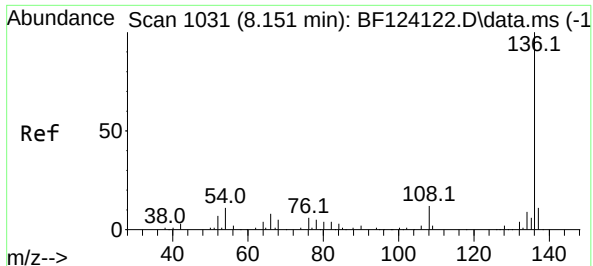
Tgt Ion: 99 Resp: 134105
Ion Ratio Lower Upper
99 100
42 25.3 19.8 29.8
71 51.4 31.1 46.7#



#19
n-Nitroso-di-n-propylamine
Concen: 6.434 ng
RT: 7.398 min Scan# 903
Delta R.T. 0.129 min
Lab File: BF124286.D
Acq: 12 Jun 2021 15:05

Tgt Ion: 70 Resp: 15111
Ion Ratio Lower Upper
70 100
42 48.9 60.1 90.1#
101 0.0 7.4 11.2#
130 0.0 14.2 21.2#

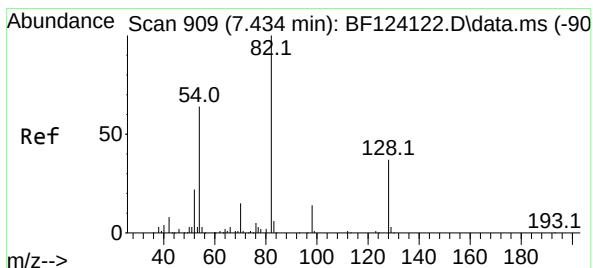
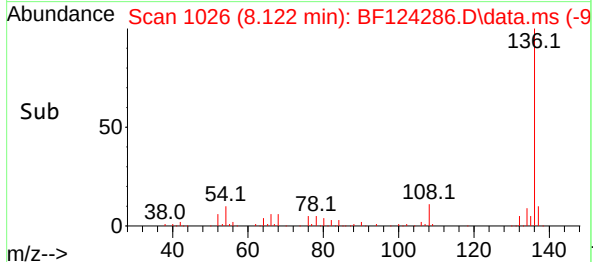
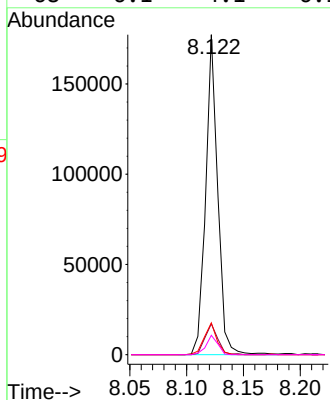
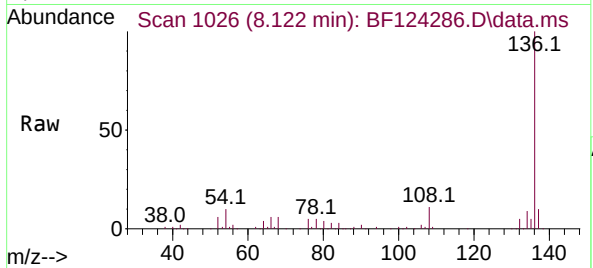




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BF124286.D
Acq: 12 Jun 2021 15:05

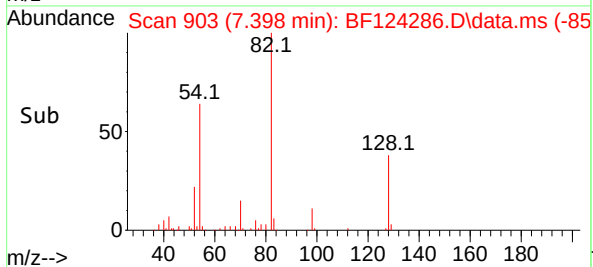
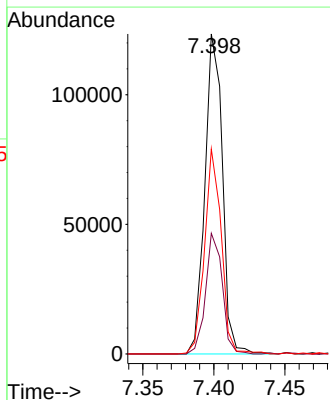
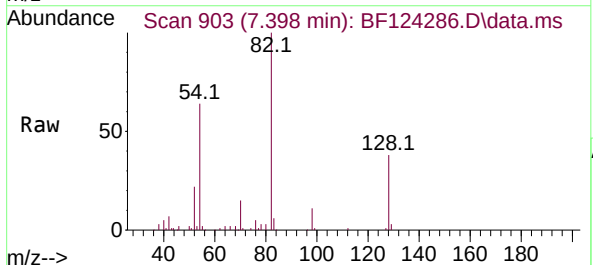
Instrument :
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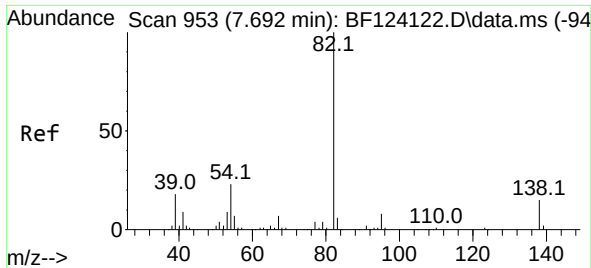
Tgt Ion:136	Resp:	130527
Ion Ratio	Lower	Upper
136	100	
137	9.7	8.7 13.1
54	10.0	9.8 14.6
68	6.1	4.1 6.1



#23
Nitrobenzene-d5
Concen: 32.203 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.018 min
Lab File: BF124286.D
Acq: 12 Jun 2021 15:05

Tgt Ion: 82	Resp:	105981
Ion Ratio	Lower	Upper
82	100	
128	37.7	29.4 44.2
54	64.1	54.1 81.1

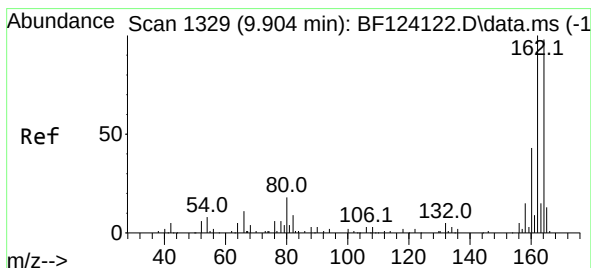
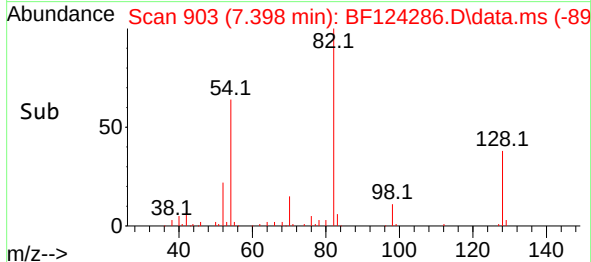
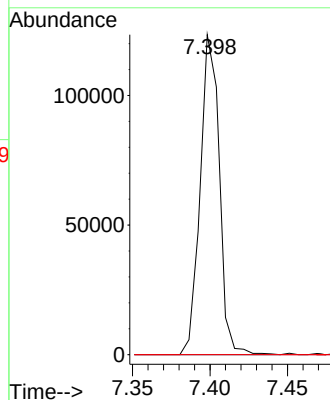
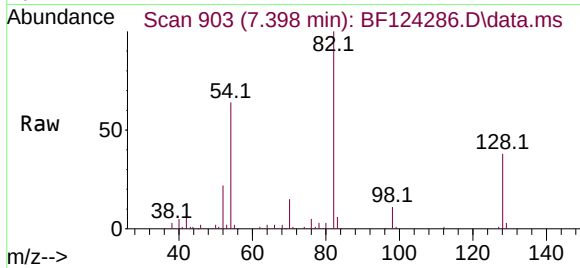




#25
Isophorone
Concen: 17.870 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.276 min
Lab File: BF124286.D
Acq: 12 Jun 2021 15:05

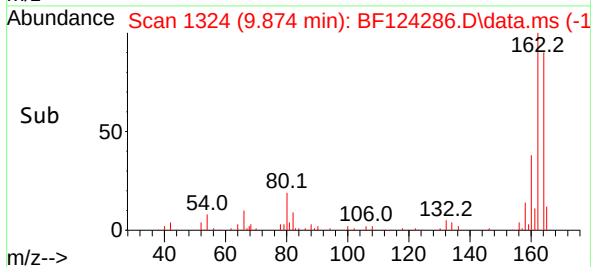
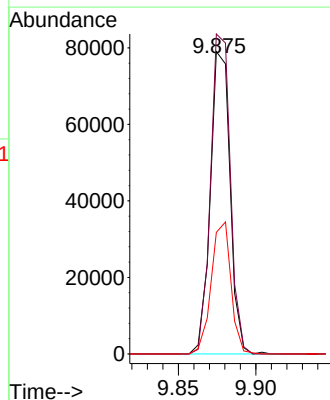
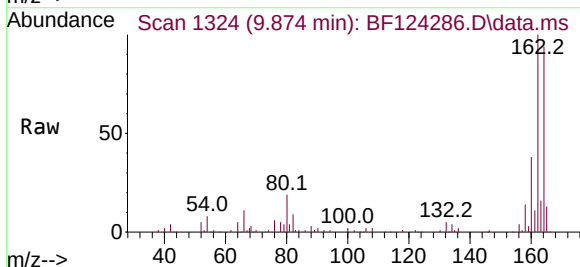
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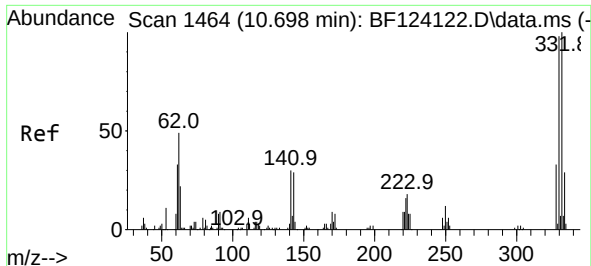
Tgt Ion: 82 Resp: 105978
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.874 min Scan# 1324
Delta R.T. -0.018 min
Lab File: BF124286.D
Acq: 12 Jun 2021 15:05

Tgt Ion:164 Resp: 70077
Ion Ratio Lower Upper
164 100
162 105.8 80.7 121.1
160 40.2 37.3 55.9

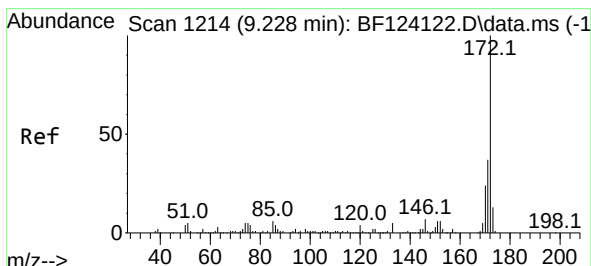
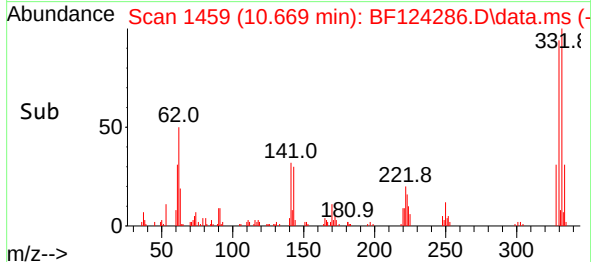
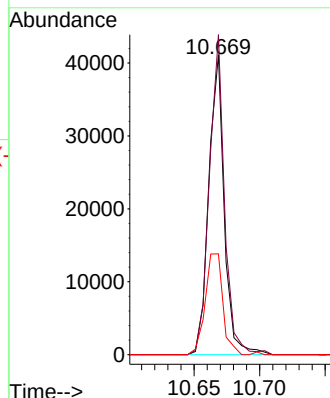
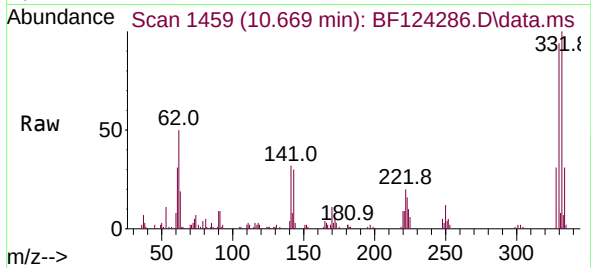




#42
2,4,6-Tribromophenol
Concen: 34.027 ng
RT: 10.669 min Scan# 1459
Delta R.T. -0.012 min
Lab File: BF124286.D
Acq: 12 Jun 2021 15:05

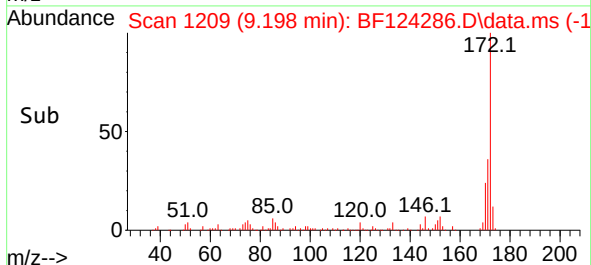
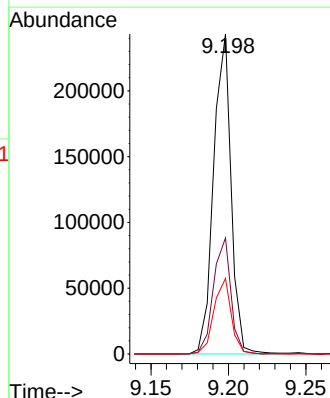
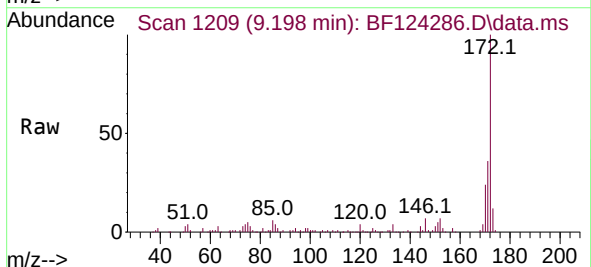
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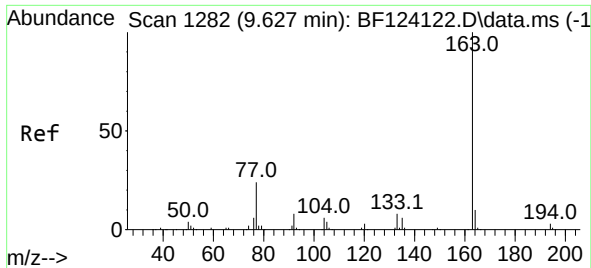
Tgt Ion:	330	Resp:	33783
Ion Ratio	Lower	Upper	
330	100		
332	104.9	77.1	115.7
141	38.4	27.9	41.9



#45
2-Fluorobiphenyl
Concen: 34.251 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.012 min
Lab File: BF124286.D
Acq: 12 Jun 2021 15:05

Tgt Ion:	172	Resp:	190742
Ion Ratio	Lower	Upper	
172	100		
171	36.2	28.1	42.1
170	23.6	19.2	28.8

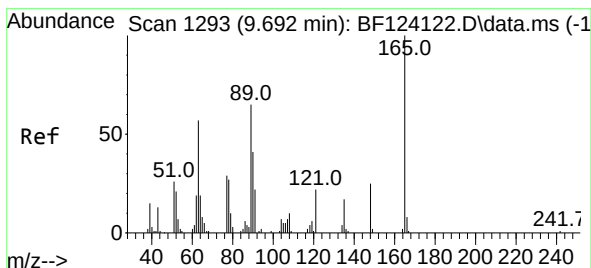
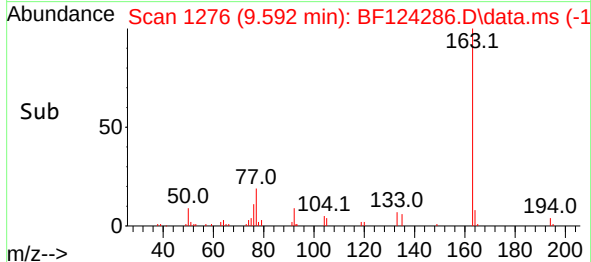
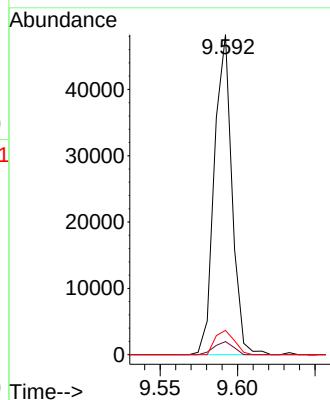
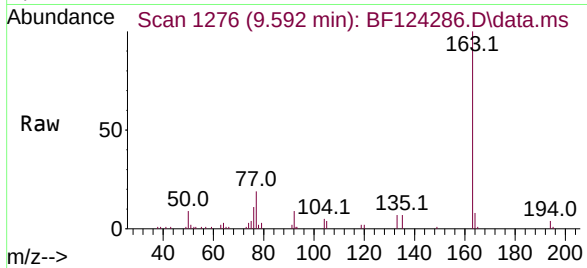




#50
Dimethylphthalate
Concen: 6.582 ng
RT: 9.592 min Scan# 1276
Delta R.T. -0.023 min
Lab File: BF124286.D
Acq: 12 Jun 2021 15:05

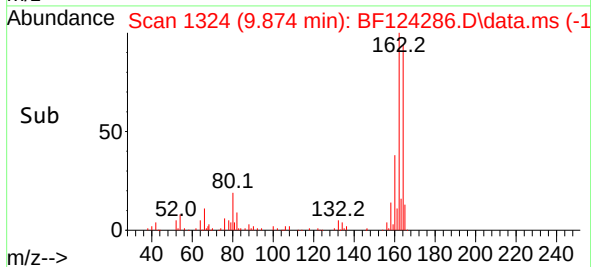
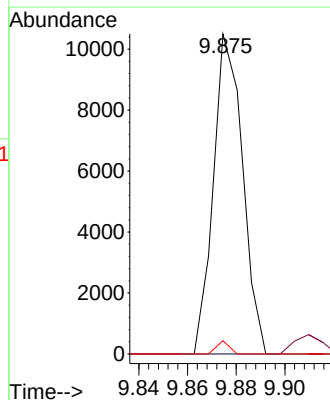
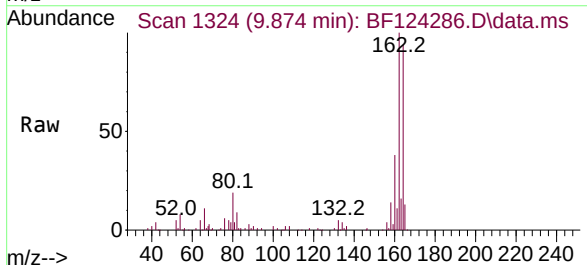
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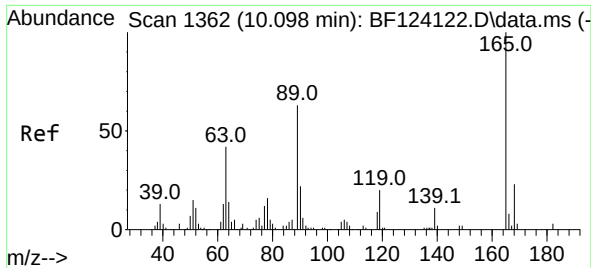
Tgt Ion:163 Resp: 38161
Ion Ratio Lower Upper
163 100
194 4.1 3.1 4.7
164 7.6 8.2 12.2#



#51
2,6-Dinitrotoluene
Concen: 6.561 ng
RT: 9.874 min Scan# 1324
Delta R.T. 0.194 min
Lab File: BF124286.D
Acq: 12 Jun 2021 15:05

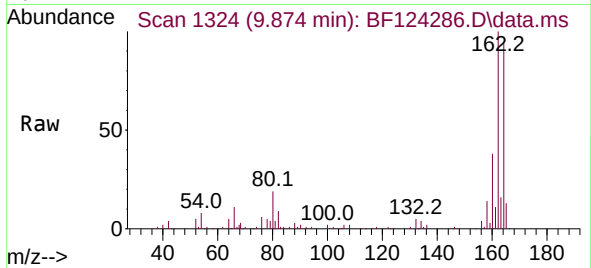
Tgt Ion:165 Resp: 8722
Ion Ratio Lower Upper
165 100
63 0.0 67.7 101.5#
89 4.1 58.8 88.2#



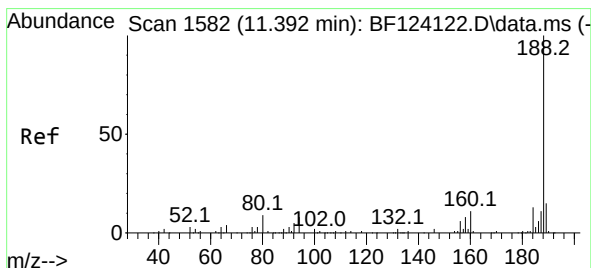
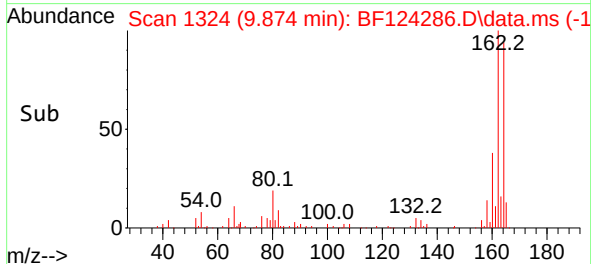
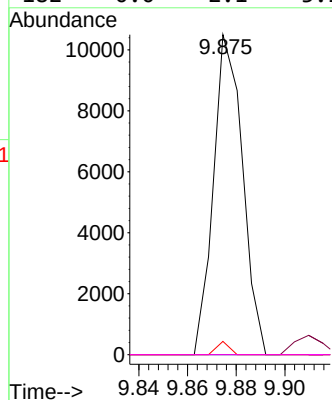


#57
2,4-Dinitrotoluene
Concen: 4.975 ng
RT: 9.874 min Scan# 1324
Delta R.T. -0.212 min
Lab File: BF124286.D
Acq: 12 Jun 2021 15:05

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

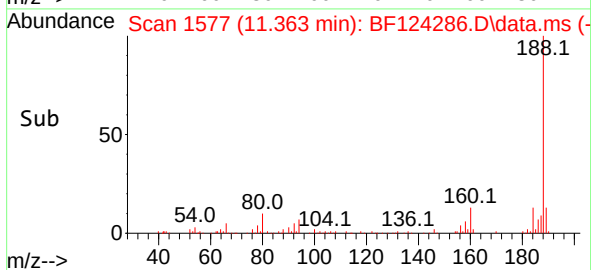
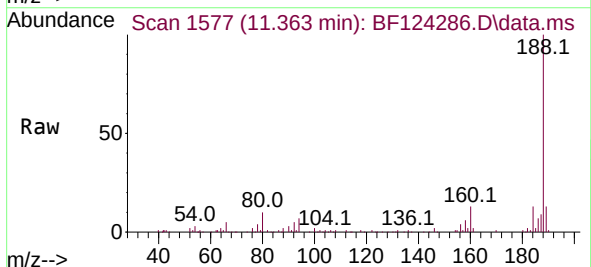
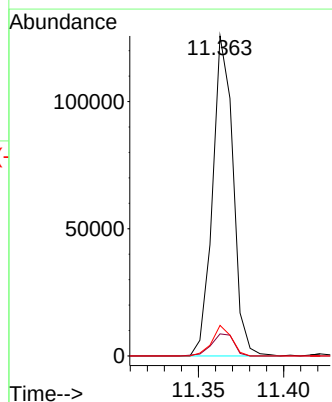


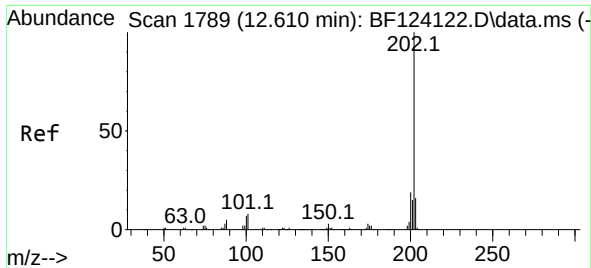
Tgt Ion:165 Resp: 8722
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 4.1 67.7 101.5#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.012 min
Lab File: BF124286.D
Acq: 12 Jun 2021 15:05

Tgt Ion:188 Resp: 105277
Ion Ratio Lower Upper
188 100
94 6.9 6.9 10.3
80 9.6 8.2 12.2

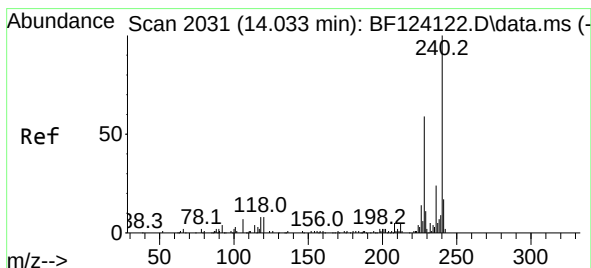
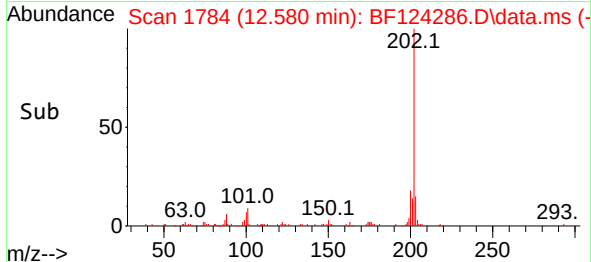
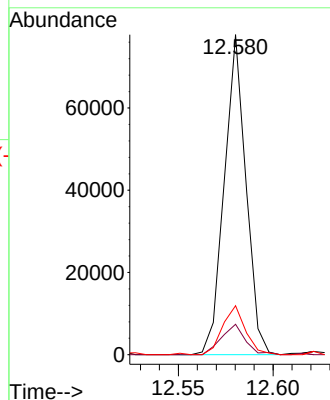
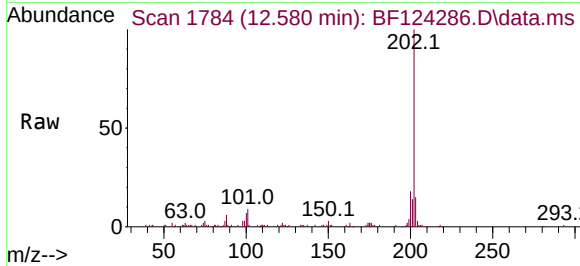




#75
Fluoranthene
Concen: 8.985 ng
RT: 12.580 min Scan# 1784
Delta R.T. -0.012 min
Lab File: BF124286.D
Acq: 12 Jun 2021 15:05

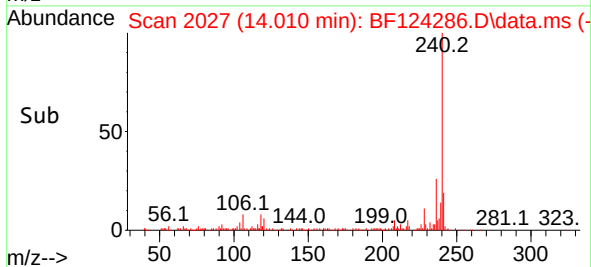
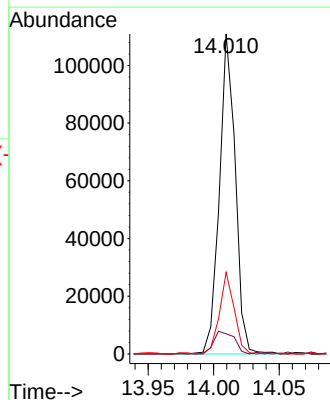
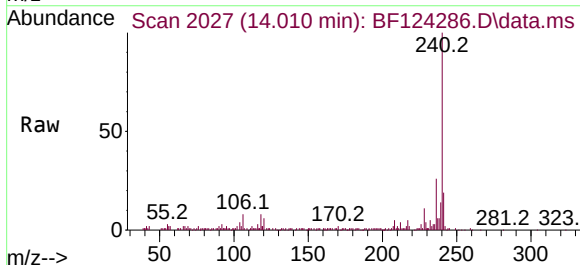
Instrument :
BNA_F
ClientSampleId :
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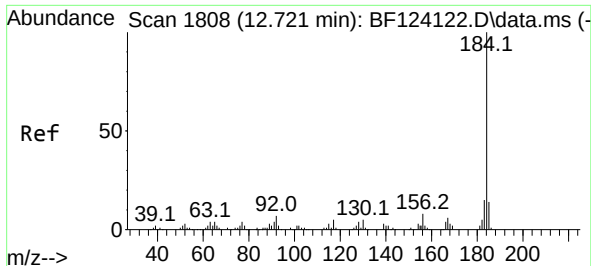
Tgt Ion:	202	Resp:	62023
Ion Ratio	Lower	Upper	
202	100		
101	9.5	0.0	30.9
203	15.3	0.0	37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.012 min
Lab File: BF124286.D
Acq: 12 Jun 2021 15:05

Tgt Ion:	240	Resp:	93283
Ion Ratio	Lower	Upper	
240	100		
120	6.3	7.2	10.8
236	25.5	19.0	28.4

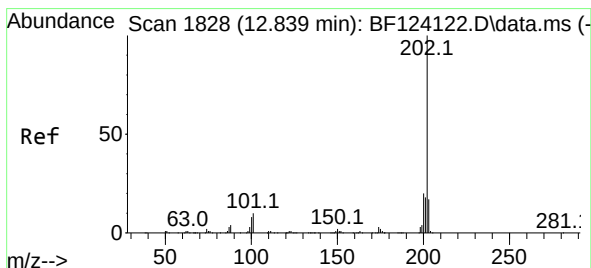
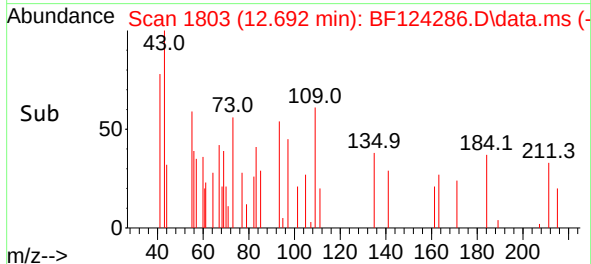
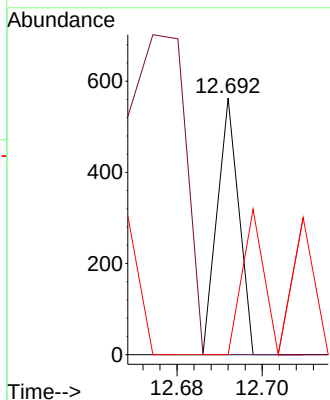
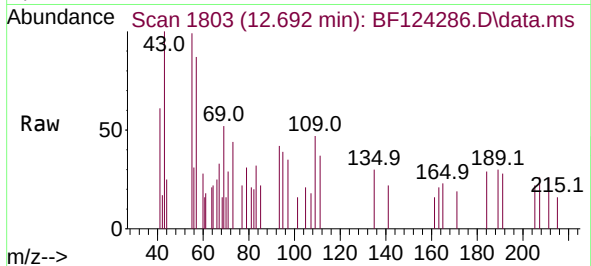




#77
Benzidine
Concen: 4.144 ng
RT: 12.692 min Scan# 1803
Delta R.T. -0.018 min
Lab File: BF124286.D
Acq: 12 Jun 2021 15:05

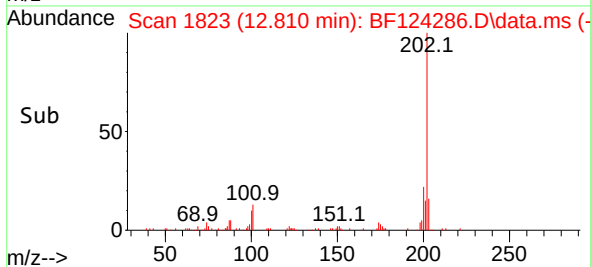
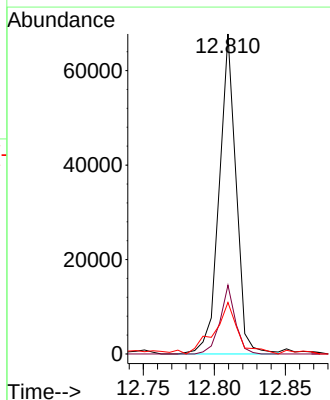
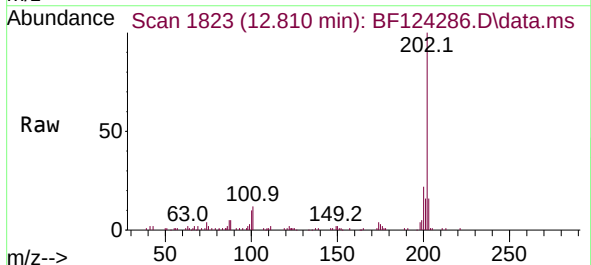
Instrument :
BNA_F
ClientSampleId :
DEP-CRANE-PAD-EXCAVATION

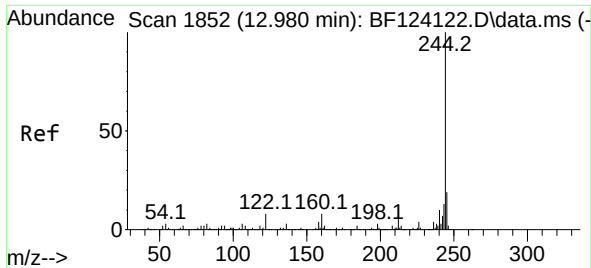
Tgt Ion:184 Resp: 199
Ion Ratio Lower Upper
184 100
185 0.0 12.1 18.1#
183 0.0 7.8 11.8#



#78
Pyrene
Concen: 6.263 ng
RT: 12.810 min Scan# 1823
Delta R.T. -0.012 min
Lab File: BF124286.D
Acq: 12 Jun 2021 15:05

Tgt Ion:202 Resp: 56103
Ion Ratio Lower Upper
202 100
200 21.5 16.1 24.1
203 16.1 14.8 22.2

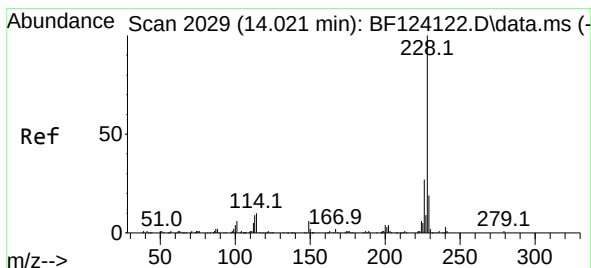
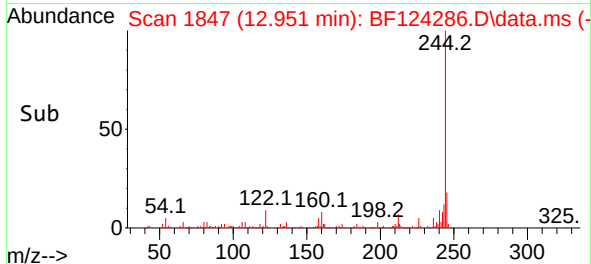
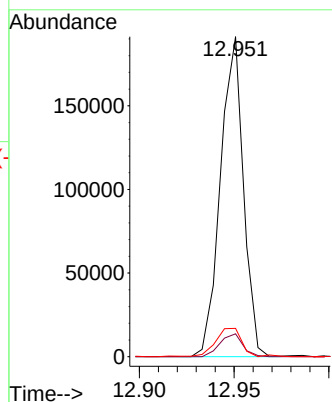
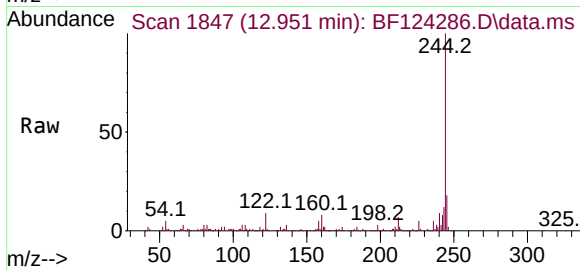




#79
Terphenyl-d14
Concen: 23.739 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.012 min
Lab File: BF124286.D
Acq: 12 Jun 2021 15:05

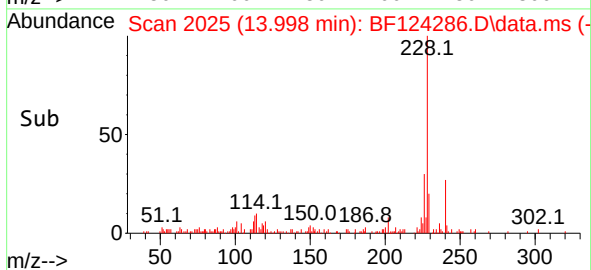
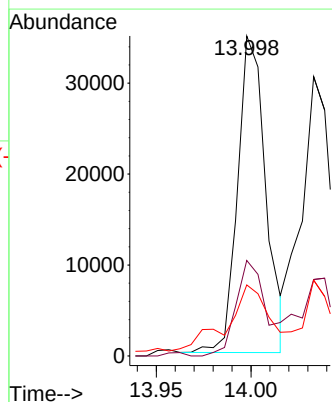
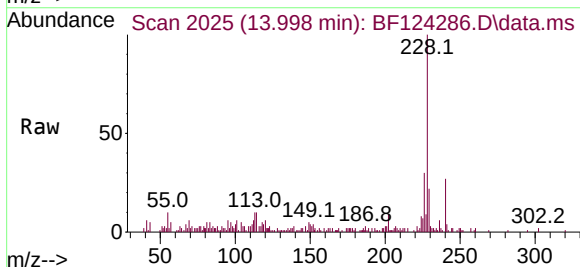
Instrument :
BNA_F
ClientSampleId :
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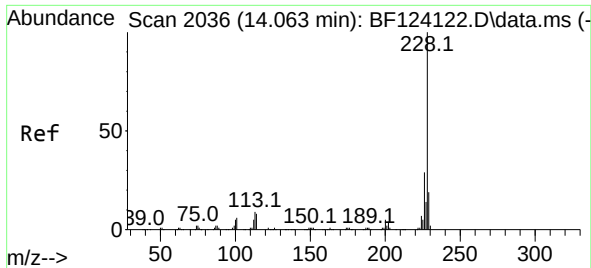
Tgt Ion:244 Resp: 161292
Ion Ratio Lower Upper
244 100
212 7.1 5.7 8.5
122 8.9 9.7 14.5#



#81
Benzo(a)anthracene
Concen: 5.299 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.012 min
Lab File: BF124286.D
Acq: 12 Jun 2021 15:05

Tgt Ion:228 Resp: 36013
Ion Ratio Lower Upper
228 100
226 29.9 22.4 33.6
229 22.2 16.0 24.0

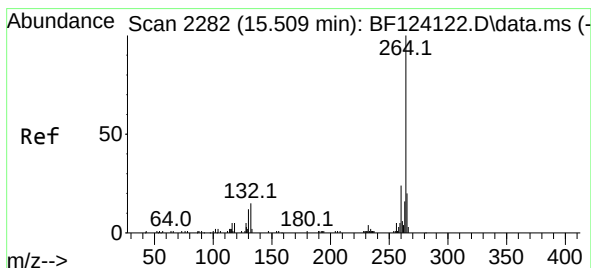
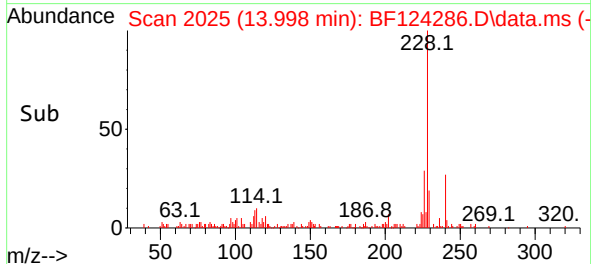
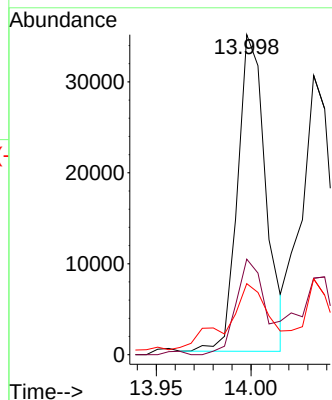
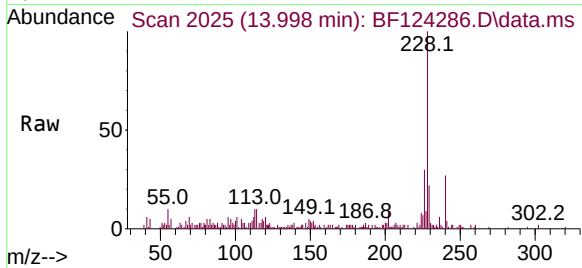




#83
Chrysene
Concen: 5.493 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.047 min
Lab File: BF124286.D
Acq: 12 Jun 2021 15:05

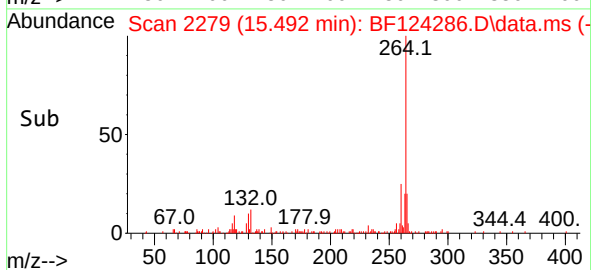
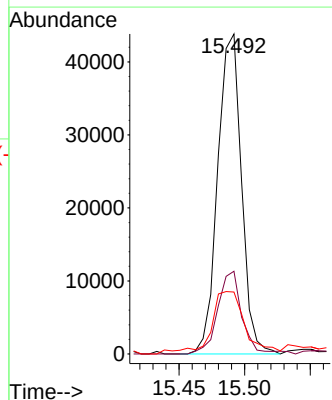
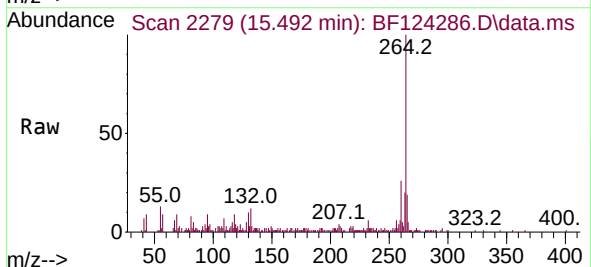
Instrument :
BNA_F
ClientSampleId :
DEP-CRANE-PAD-EXCAVATION

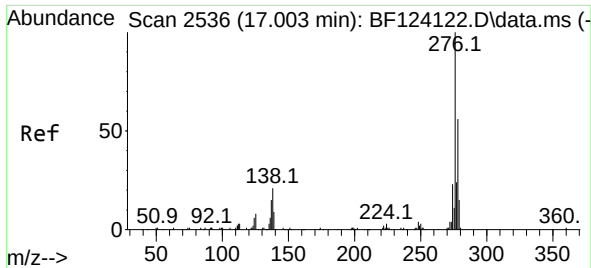
Tgt Ion:228	Resp:	36013
Ion Ratio	Lower	Upper
228	100	
226	29.9	24.3 36.5
229	22.2	16.2 24.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 2279
Delta R.T. 0.000 min
Lab File: BF124286.D
Acq: 12 Jun 2021 15:05

Tgt Ion:264	Resp:	55212
Ion Ratio	Lower	Upper
264	100	
260	25.8	18.7 28.1
265	19.4	17.8 26.8

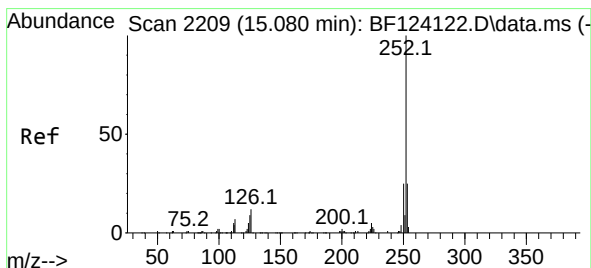
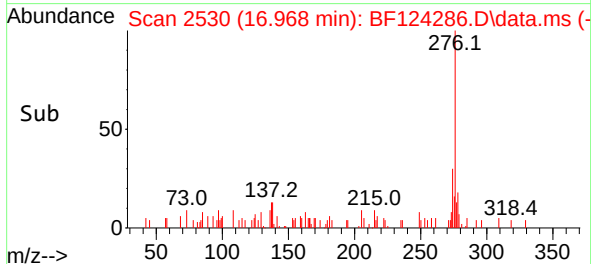
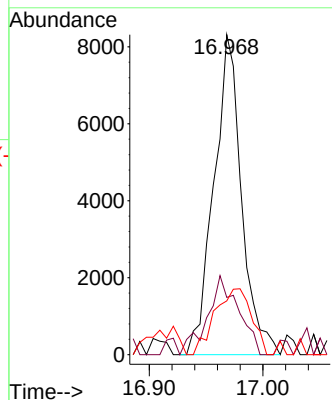
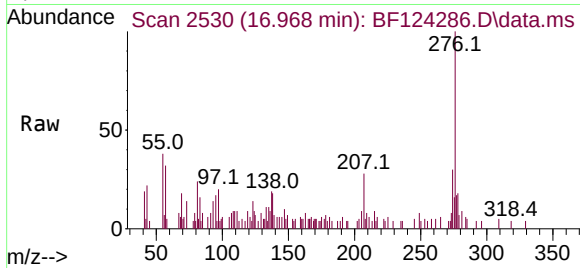




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.122 ng
 RT: 16.968 min Scan# 2530
 Delta R.T. -0.012 min
 Lab File: BF124286.D
 Acq: 12 Jun 2021 15:05

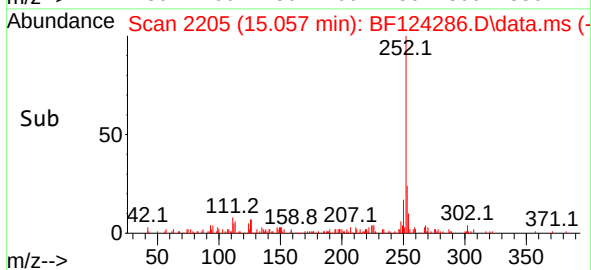
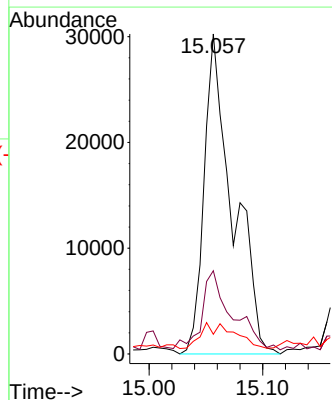
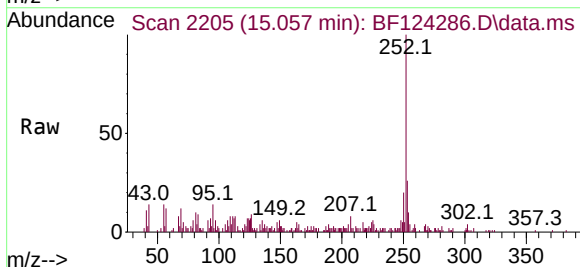
Instrument :
 BNA_F
 ClientSampleId :
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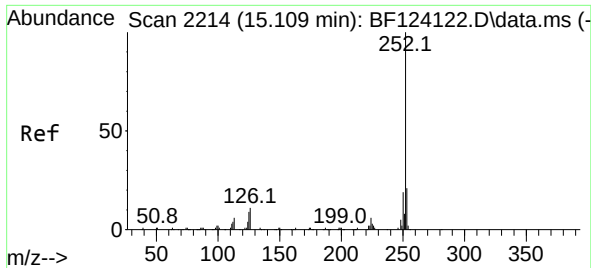
Tgt Ion:276 Resp: 14077
 Ion Ratio Lower Upper
 276 100
 138 27.8 16.2 24.2#
 277 27.3 20.1 30.1



#88
 Benzo(b)fluoranthene
 Concen: 12.358 ng
 RT: 15.057 min Scan# 2205
 Delta R.T. -0.006 min
 Lab File: BF124286.D
 Acq: 12 Jun 2021 15:05

Tgt Ion:252 Resp: 53001
 Ion Ratio Lower Upper
 252 100
 253 26.0 18.1 27.1
 125 13.5 6.2 9.4#

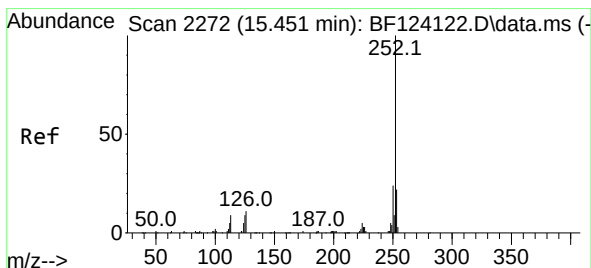
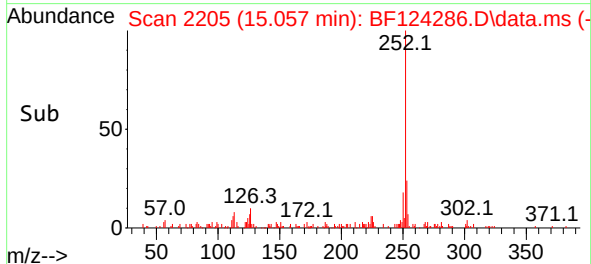
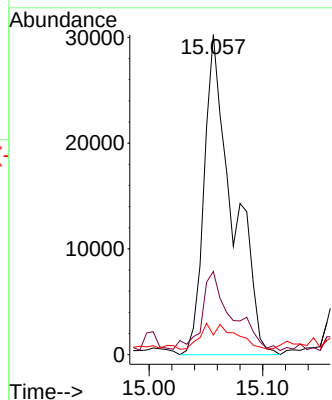
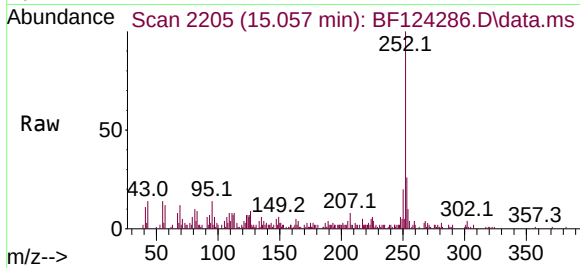




#89
Benzo(k)fluoranthene
Concen: 13.054 ng
RT: 15.057 min Scan# 2205
Delta R.T. -0.035 min
Lab File: BF124286.D
Acq: 12 Jun 2021 15:05

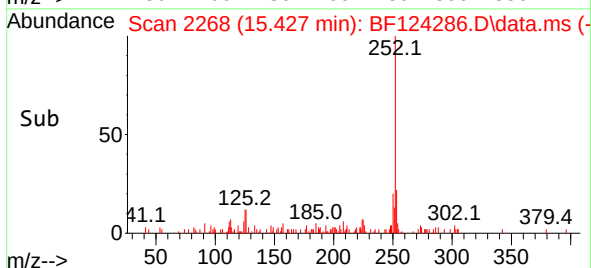
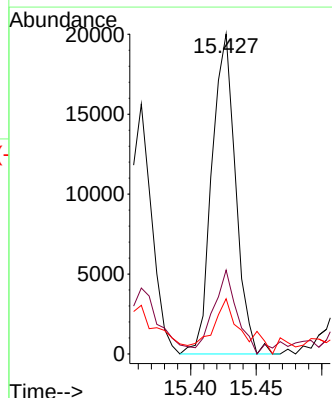
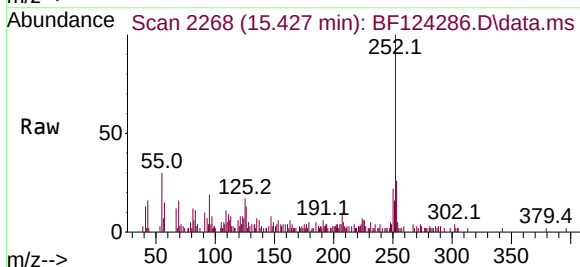
Instrument :
BNA_F
ClientSampleId :
DEP-CRANE-PAD-EXCAVATION

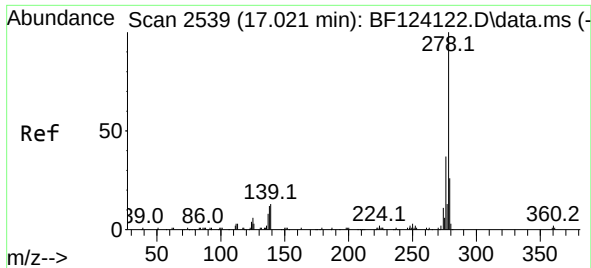
Tgt Ion:252	Resp:	53001
Ion Ratio	Lower	Upper
252	100	
253	26.0	17.9 26.9
125	13.5	7.0 10.6#



#90
Benzo(a)pyrene
Concen: 6.763 ng
RT: 15.427 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF124286.D
Acq: 12 Jun 2021 15:05

Tgt Ion:252	Resp:	25192
Ion Ratio	Lower	Upper
252	100	
253	26.2	18.4 27.6
125	17.3	8.0 12.0#

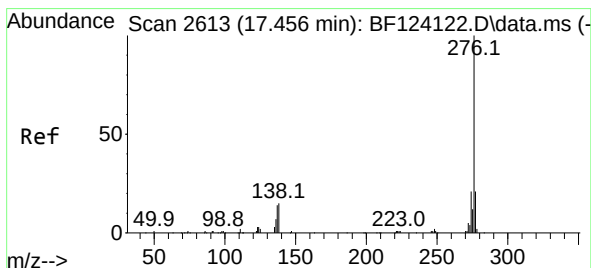
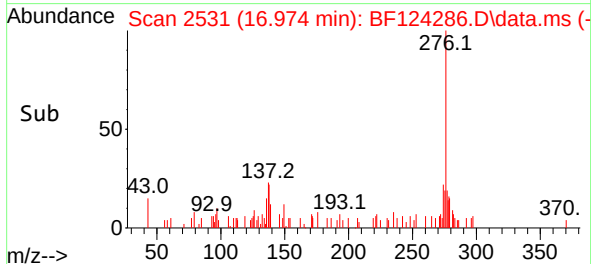
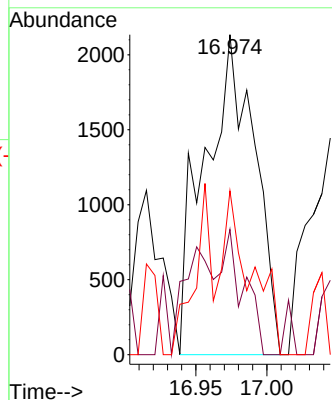
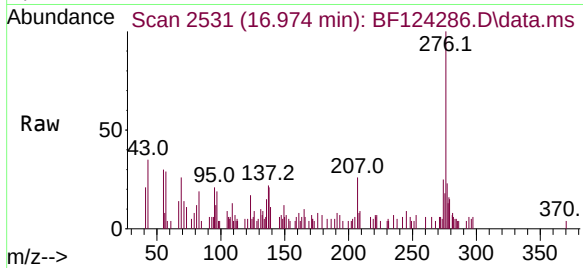




#91
Dibenzo(a,h)anthracene
Concen: 5.397 ng
RT: 16.974 min Scan# 2531
Delta R.T. -0.018 min
Lab File: BF124286.D
Acq: 12 Jun 2021 15:05

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

Tgt Ion:	278	Resp:	5249
Ion Ratio	Lower	Upper	
278	100		
139	39.1	10.2	15.2#
279	51.2	19.4	29.0#



#92
Benzo(g,h,i)perylene
Concen: 7.338 ng
RT: 17.421 min Scan# 2607
Delta R.T. -0.012 min
Lab File: BF124286.D
Acq: 12 Jun 2021 15:05

Tgt Ion:	276	Resp:	14842
Ion Ratio	Lower	Upper	
276	100		
277	17.9	18.2	27.2#
138	19.7	13.8	20.6

