

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061021\
 Data File : BF124240.D
 Acq On : 10 Jun 2021 19:16
 Operator : JU/CG
 Sample : M2634-01 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 R44-STONE-1

Quant Time: Jun 11 01:25:35 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)

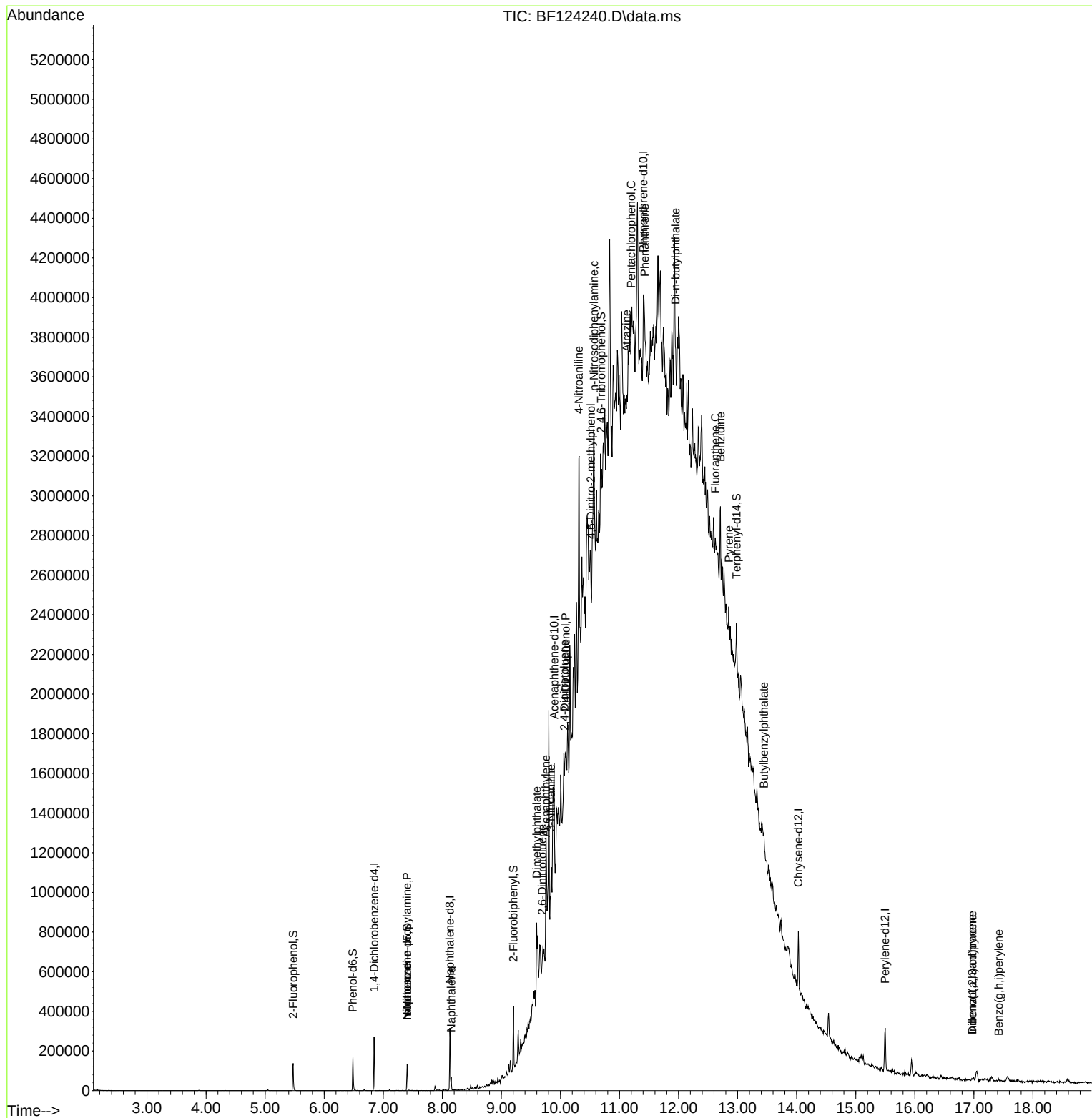
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	32655	20.00	ng	0.00
21) Naphthalene-d8	8.128	136	122029	20.00	ng	# 0.00
39) Acenaphthene-d10	9.892	164	68835	20.00	ng	0.00
64) Phenanthrene-d10	11.404	188	100808	20.00	ng	# 0.03
76) Chrysene-d12	14.027	240	82171	20.00	ng	0.00
86) Perylene-d12	15.498	264	84819	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	31902	14.71	ng	0.00
7) Phenol-d6	6.487	99	43078	14.77	ng	-0.01
23) Nitrobenzene-d5	7.404	82	36344	11.81	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	15228	15.61	ng	0.01
45) 2-Fluorobiphenyl	9.204	172	71177	13.01	ng	0.00
79) Terphenyl-d14	12.980	244	56928	9.51	ng	0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.404	70	5295	2.57	ng	# 62
25) Isophorone	7.404	82	36343	6.55	ng	# 69
31) Naphthalene	8.151	128	21560	2.96	ng	# 91
49) Acenaphthylene	9.751	152	28276	4.11	ng	# 61
50) Dimethylphthalate	9.598	163	13125	2.30	ng	# 55
51) 2,6-Dinitrotoluene	9.692	165	3889	2.98	ng	# 18
53) 3-Nitroaniline	9.839	138	7429	6.08	ng	# 14
54) 2,4-Dinitrophenol	10.086	184	1571	5.76	ng	# 1
57) 2,4-Dinitrotoluene	10.069	165	4990	2.90	ng	# 38
62) 4-Nitroaniline	10.310	138	11094	9.03	ng	96
65) 4,6-Dinitro-2-methylph...	10.516	198	2723	3.36	ng	# 1
66) n-Nitrosodiphenylamine	10.569	169	19001	4.96	ng	# 51
69) Atrazine	11.122	200	6222	5.74	ng	# 1
70) Pentachlorophenol	11.198	266	2097	7.06	ng	# 37
71) Phenanthrene	11.427	178	50395	8.00	ng	# 66
74) Di-n-butylphthalate	11.951	149	16014	2.25	ng	# 12
75) Fluoranthene	12.621	202	14106	2.13	ng	# 26
77) Benzidine	12.710	184	1277	4.67	ng	# 1
78) Pyrene	12.851	202	17722	2.25	ng	# 61
80) Butylbenzylphthalate	13.445	149	11935	3.73	ng	# 79
87) Indeno(1,2,3-cd)pyrene	16.974	276	3423	4.78	ng	# 58
91) Dibenzo(a,h)anthracene	16.974	278	144	4.20	ng	# 57
92) Benzo(g,h,i)perylene	17.421	276	2857	4.25	ng	# 70

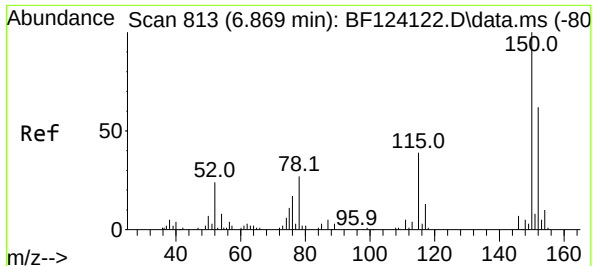
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061021\
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QLast Update : Thu Jun 10 01:53:56 2021
Response via : Initial Calibration

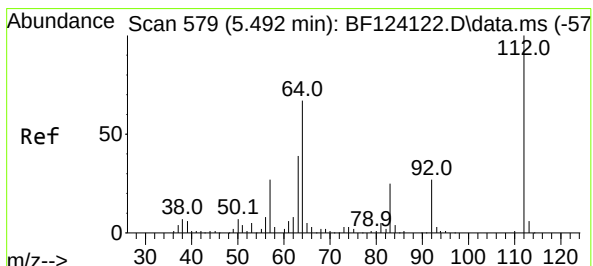
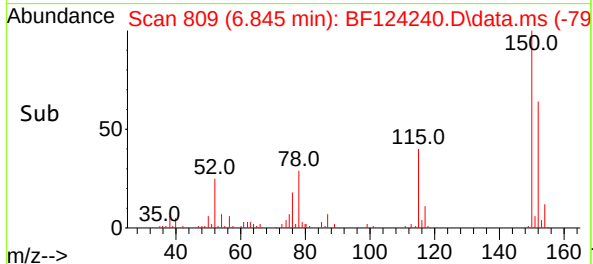
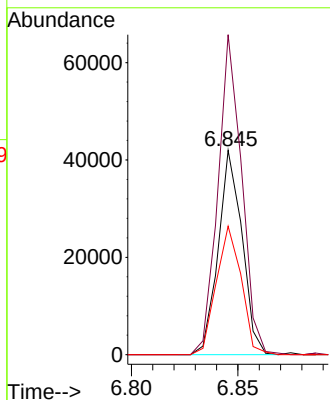
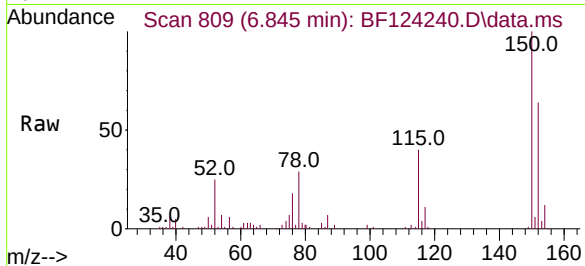




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.845 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF124240.D
Acq: 10 Jun 2021 19:16

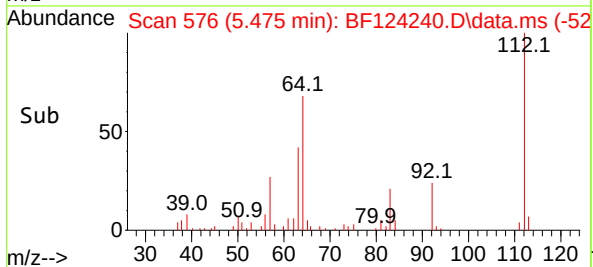
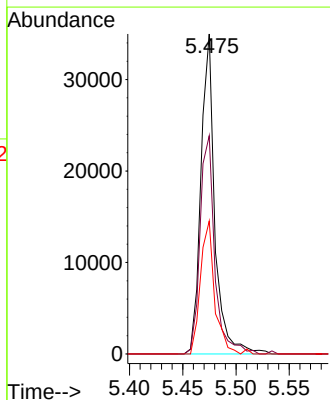
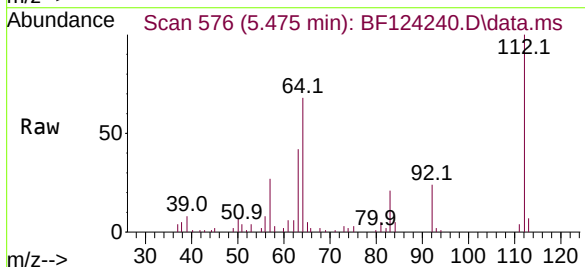
Instrument :
BNA_F
ClientSampleId :
R44-STONE-1

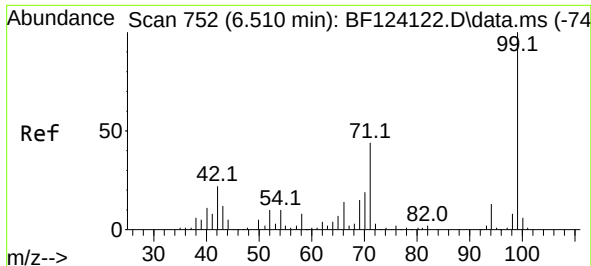
Tgt Ion:152 Resp: 32655
Ion Ratio Lower Upper
152 100
150 156.6 127.0 190.6
115 62.9 54.3 81.5



#5
2-Fluorophenol
Concen: 14.71 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF124240.D
Acq: 10 Jun 2021 19:16

Tgt Ion:112 Resp: 31902
Ion Ratio Lower Upper
112 100
64 68.2 61.4 92.0
63 41.6 33.0 49.4

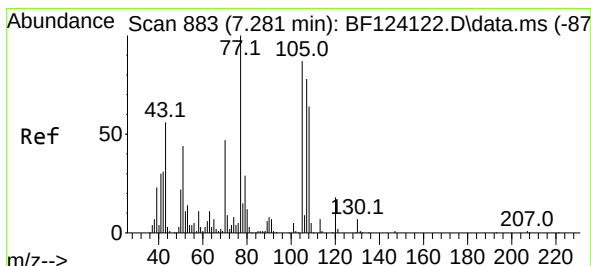
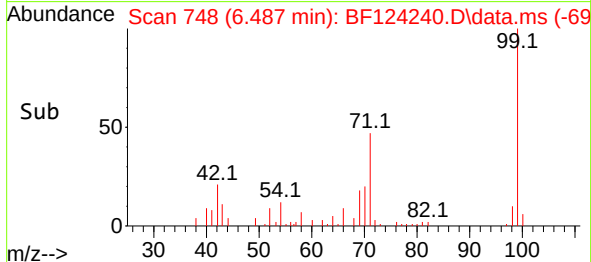
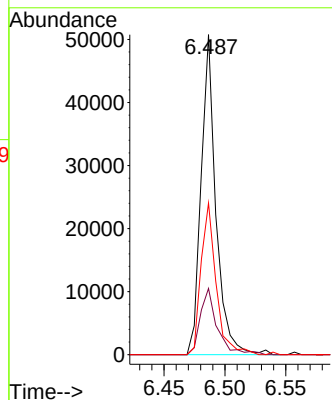
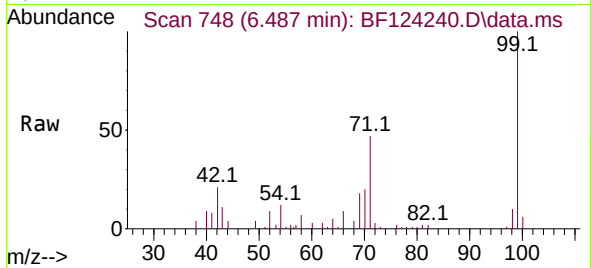




#7
Phenol-d6
Concen: 14.77 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.012 min
Lab File: BF124240.D
Acq: 10 Jun 2021 19:16

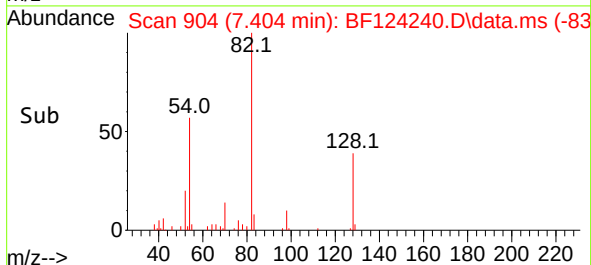
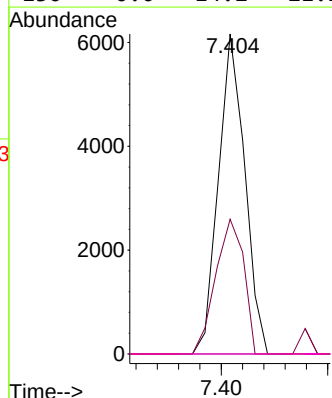
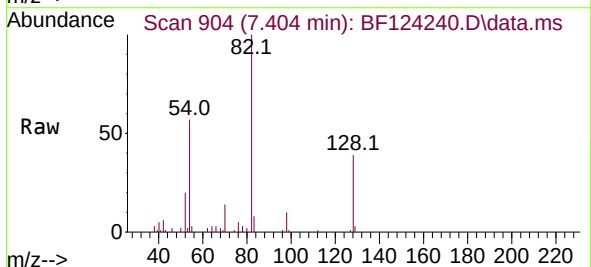
Instrument :
BNA_F
ClientSampleId :
R44-STONE-1

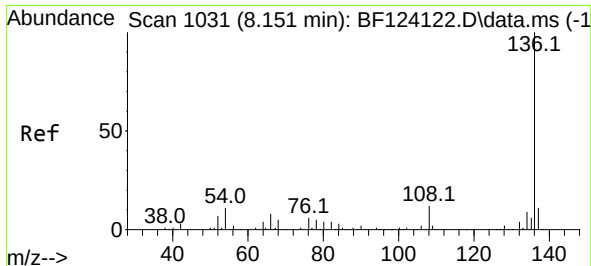
Tgt Ion: 99 Resp: 43078
Ion Ratio Lower Upper
99 100
42 20.7 19.8 29.8
71 47.4 31.1 46.7#



#19
n-Nitroso-di-n-propylamine
Concen: 2.57 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.135 min
Lab File: BF124240.D
Acq: 10 Jun 2021 19:16

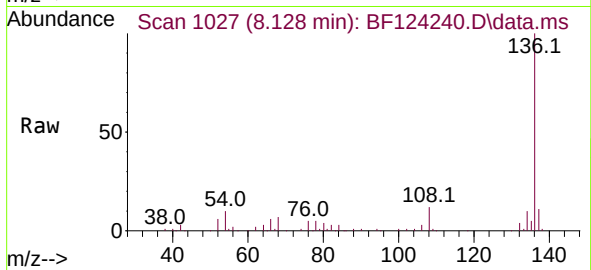
Tgt Ion: 70 Resp: 5295
Ion Ratio Lower Upper
70 100
42 42.1 60.1 90.1#
101 0.0 7.4 11.2#
130 0.0 14.2 21.2#



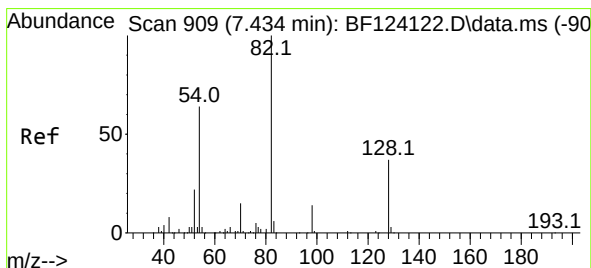
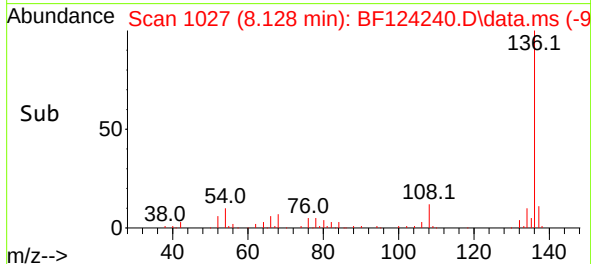
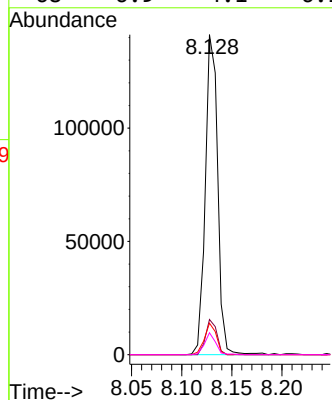


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF124240.D
Acq: 10 Jun 2021 19:16

Instrument :
BNA_F
ClientSampleId :
R44-STONE-1

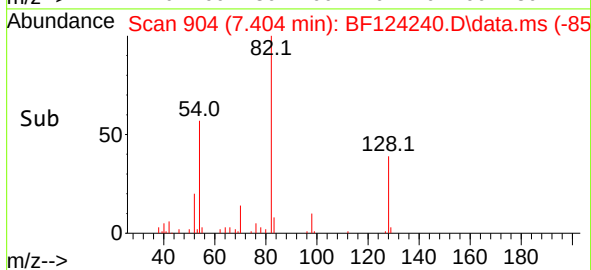
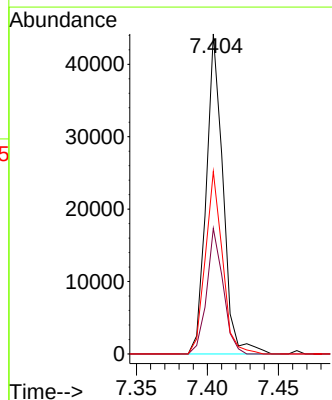
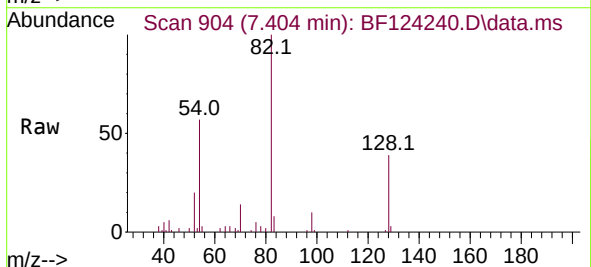


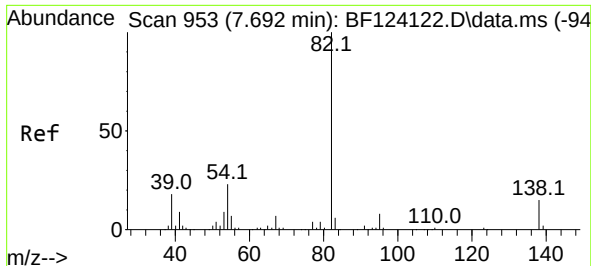
Tgt Ion:136 Resp: 122029
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 9.9 9.8 14.6
68 6.9 4.1 6.1#



#23
Nitrobenzene-d5
Concen: 11.81 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.012 min
Lab File: BF124240.D
Acq: 10 Jun 2021 19:16

Tgt Ion: 82 Resp: 36344
Ion Ratio Lower Upper
82 100
128 39.2 29.4 44.2
54 57.0 54.1 81.1

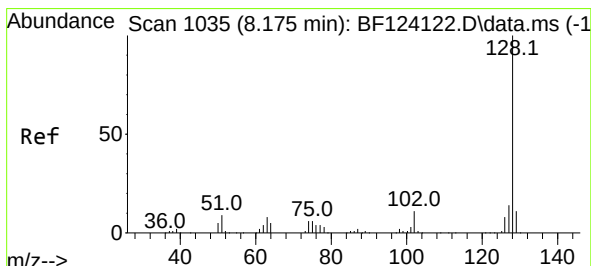
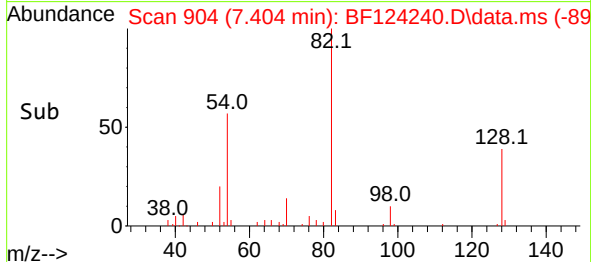
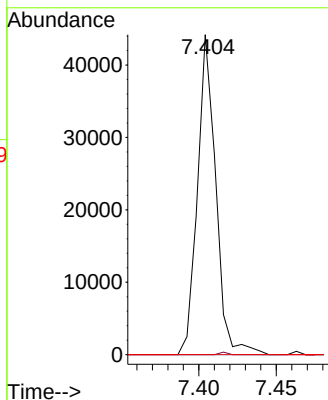
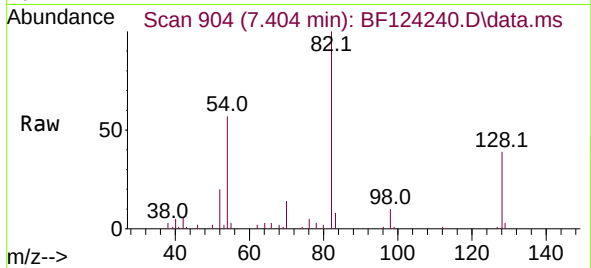




#25
Isophorone
Concen: 6.55 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.270 min
Lab File: BF124240.D
Acq: 10 Jun 2021 19:16

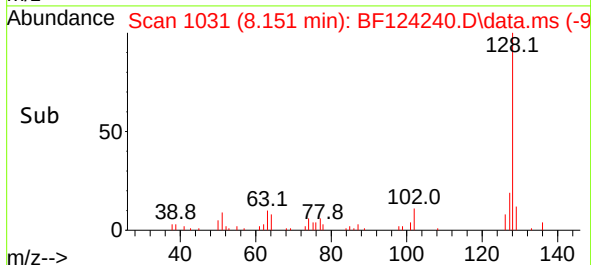
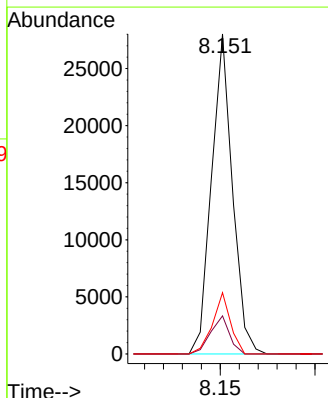
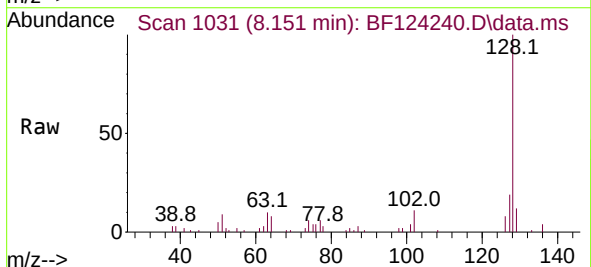
Instrument :
BNA_F
ClientSampleId :
R44-STONE-1

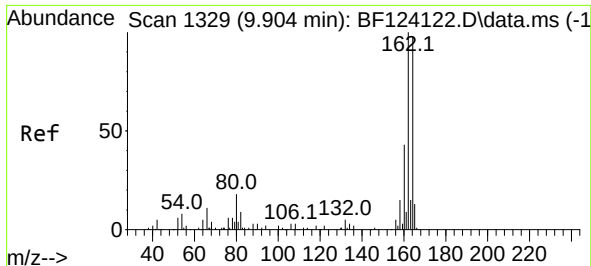
Tgt Ion: 82 Resp: 36343
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#31
Naphthalene
Concen: 2.96 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF124240.D
Acq: 10 Jun 2021 19:16

Tgt Ion: 128 Resp: 21560
Ion Ratio Lower Upper
128 100
129 11.9 8.9 13.3
127 19.2 10.8 16.2#





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.892 min Scan# 1327

Delta R.T. 0.000 min

Lab File: BF124240.D

Acq: 10 Jun 2021 19:16

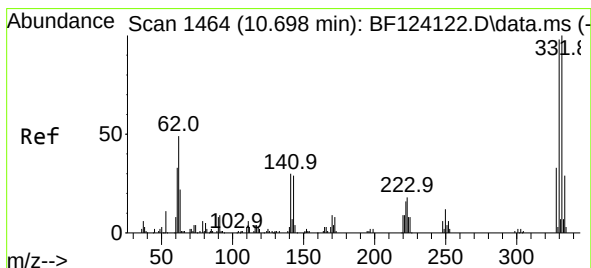
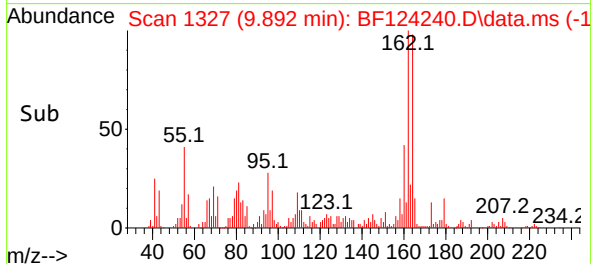
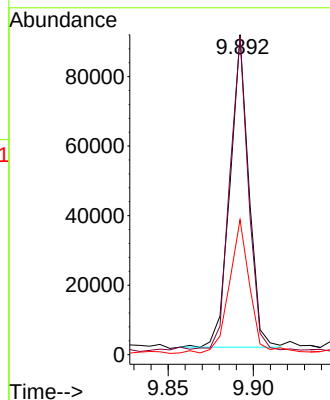
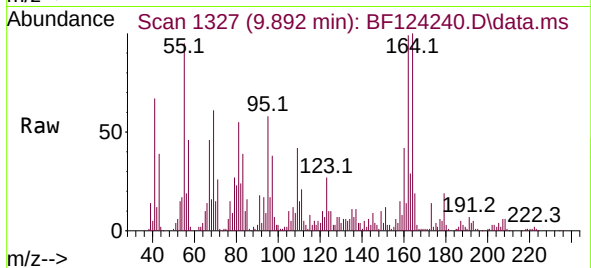
Tgt Ion:164 Resp: 68835

Ion Ratio Lower Upper

164 100

162 99.5 80.7 121.1

160 42.2 37.3 55.9



#42

2,4,6-Tribromophenol

Concen: 15.61 ng

RT: 10.692 min Scan# 1463

Delta R.T. 0.012 min

Lab File: BF124240.D

Acq: 10 Jun 2021 19:16

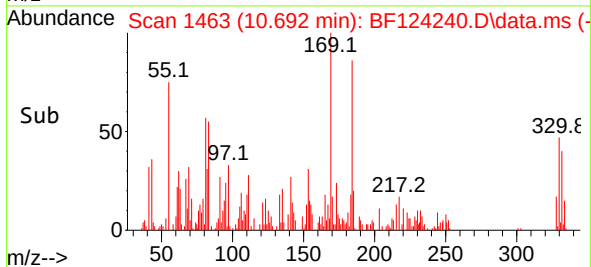
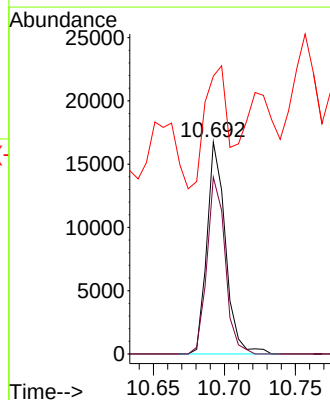
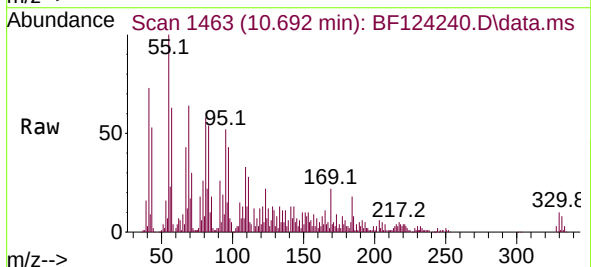
Tgt Ion:330 Resp: 15228

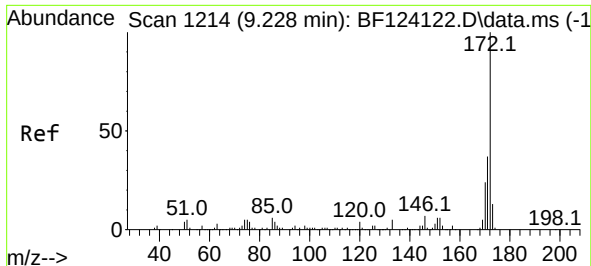
Ion Ratio Lower Upper

330 100

332 81.3 77.1 115.7

141 76.2 27.9 41.9#

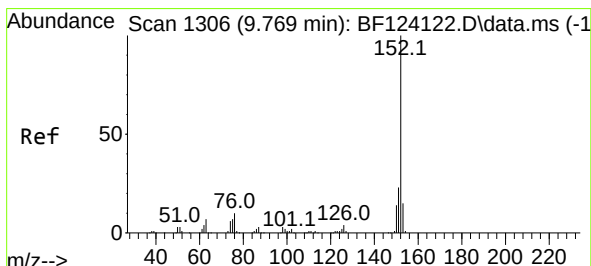
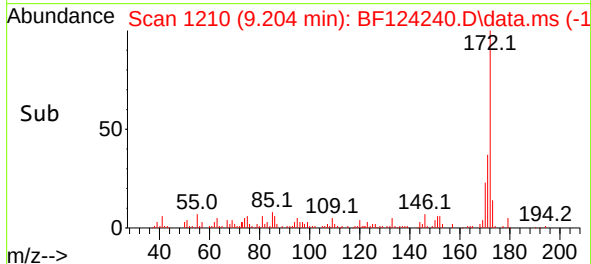
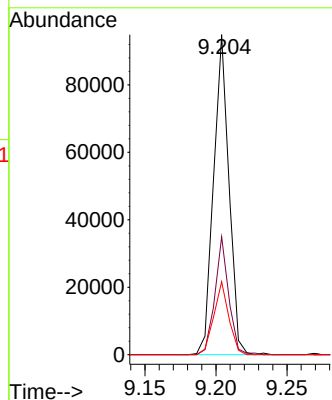
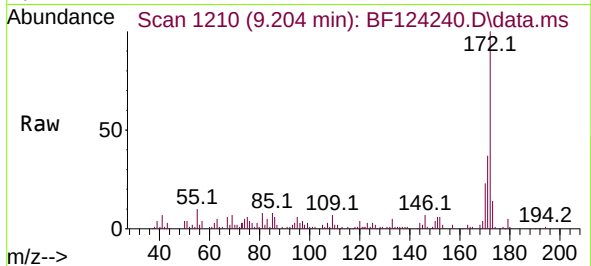




#45
2-Fluorobiphenyl
Concen: 13.01 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF124240.D
Acq: 10 Jun 2021 19:16

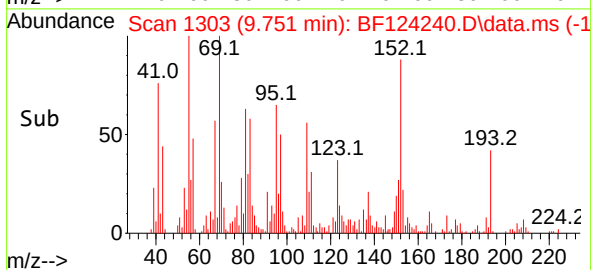
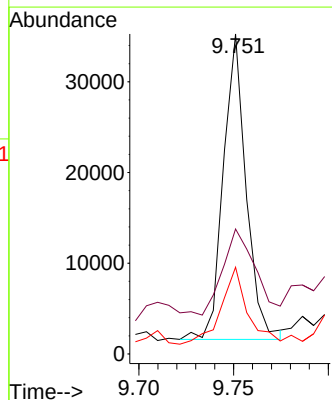
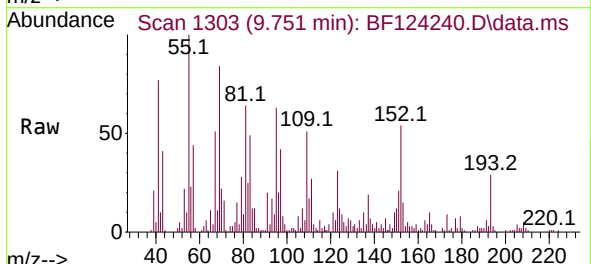
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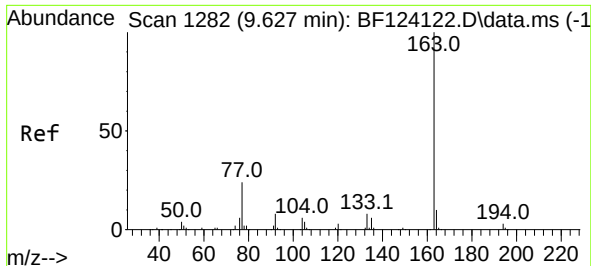
Tgt Ion:172 Resp: 71177
Ion Ratio Lower Upper
172 100
171 36.8 28.1 42.1
170 22.8 19.2 28.8



#49
Acenaphthylene
Concen: 4.11 ng
RT: 9.751 min Scan# 1303
Delta R.T. 0.000 min
Lab File: BF124240.D
Acq: 10 Jun 2021 19:16

Tgt Ion:152 Resp: 28276
Ion Ratio Lower Upper
152 100
151 39.1 16.0 24.0#
153 27.1 10.4 15.6#

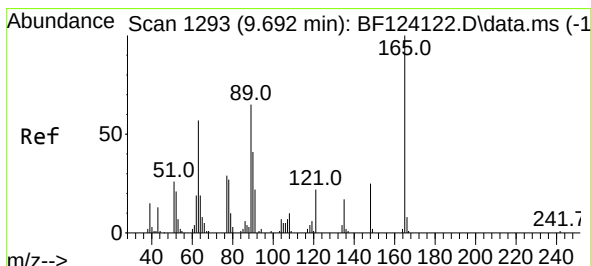
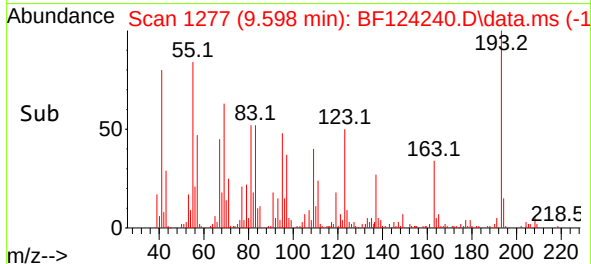
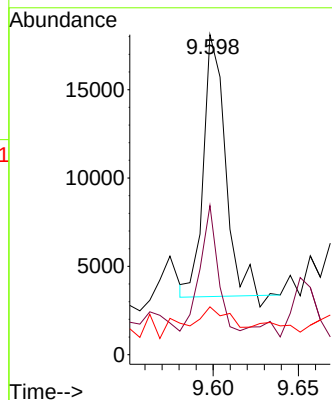
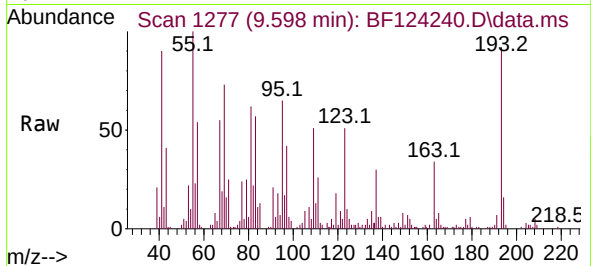




#50
Dimethylphthalate
Concen: 2.30 ng
RT: 9.598 min Scan# 1277
Delta R.T. -0.018 min
Lab File: BF124240.D
Acq: 10 Jun 2021 19:16

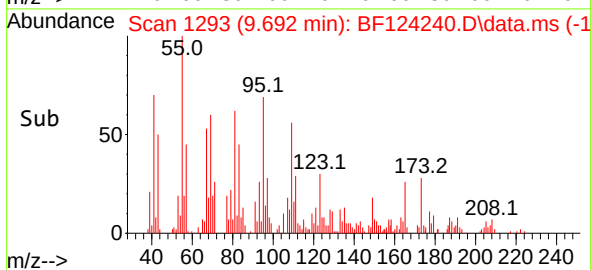
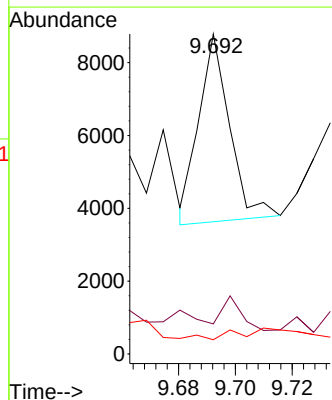
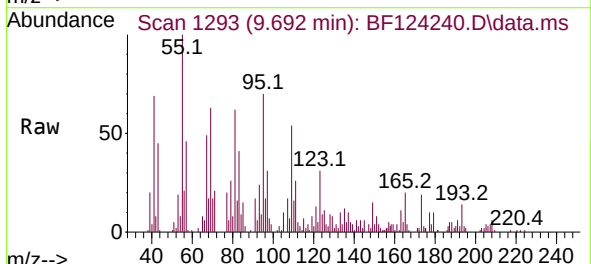
Instrument :
BNA_F
ClientSampled :
R44-STONE-1

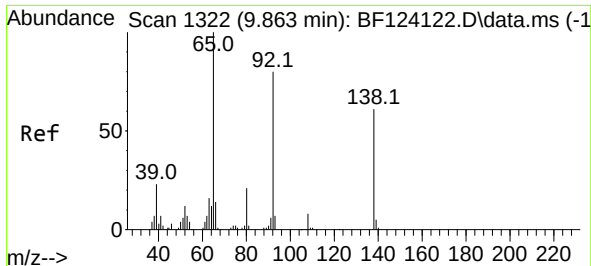
Tgt Ion:163 Resp: 13125
Ion Ratio Lower Upper
163 100
194 46.6 3.1 4.7#
164 15.0 8.2 12.2#



#51
2,6-Dinitrotoluene
Concen: 2.98 ng
RT: 9.692 min Scan# 1293
Delta R.T. 0.012 min
Lab File: BF124240.D
Acq: 10 Jun 2021 19:16

Tgt Ion:165 Resp: 3889
Ion Ratio Lower Upper
165 100
63 9.4 67.7 101.5#
89 4.4 58.8 88.2#

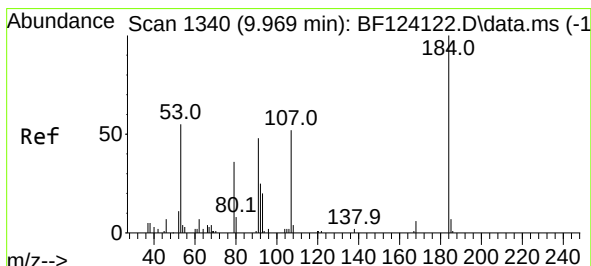
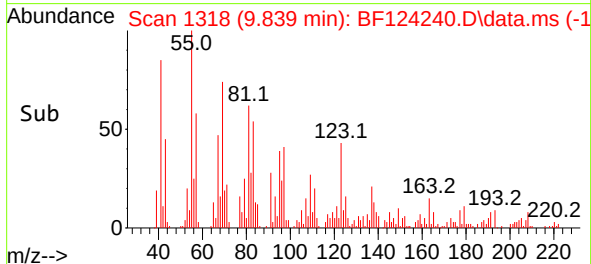
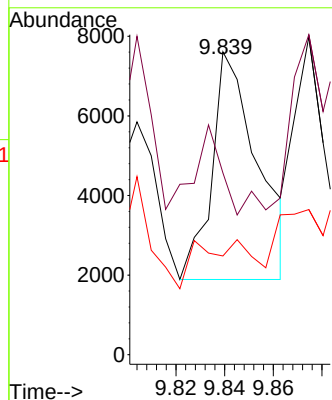
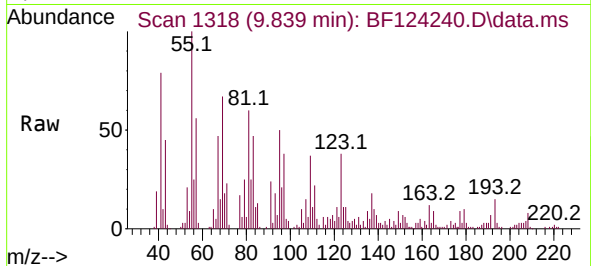




#53
3-Nitroaniline
Concen: 6.08 ng
RT: 9.839 min Scan# 1318
Delta R.T. -0.012 min
Lab File: BF124240.D
Acq: 10 Jun 2021 19:16

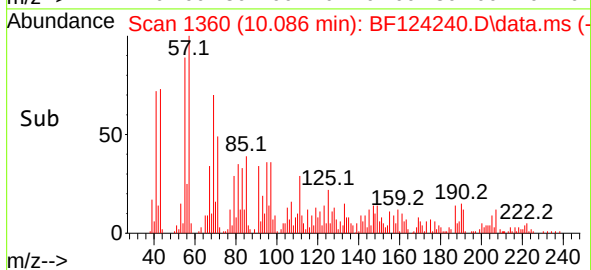
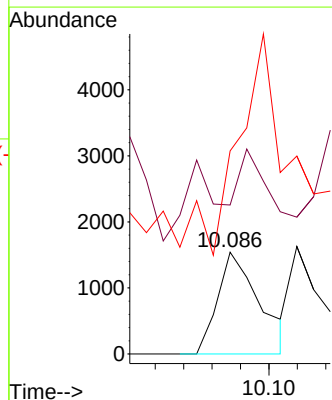
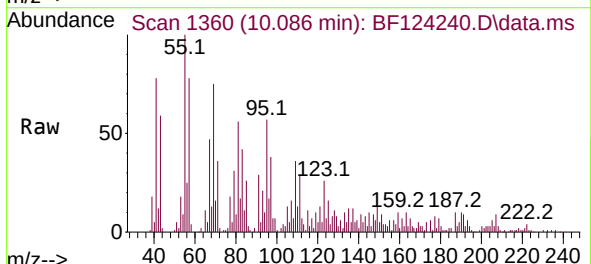
Instrument :
BNA_F
ClientSampleId :
R44-STONE-1

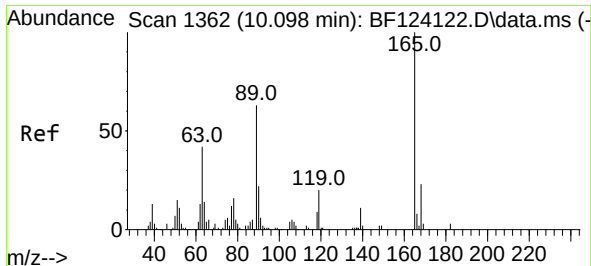
Tgt Ion:138 Resp: 7429
Ion Ratio Lower Upper
138 100
108 60.0 10.2 15.4#
92 32.6 103.3 154.9#



#54
2,4-Dinitrophenol
Concen: 5.76 ng
RT: 10.086 min Scan# 1360
Delta R.T. 0.130 min
Lab File: BF124240.D
Acq: 10 Jun 2021 19:16

Tgt Ion:184 Resp: 1571
Ion Ratio Lower Upper
184 100
63 146.4 73.5 110.3#
154 199.5 52.5 78.7#

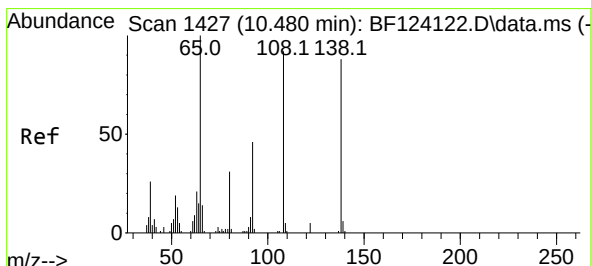
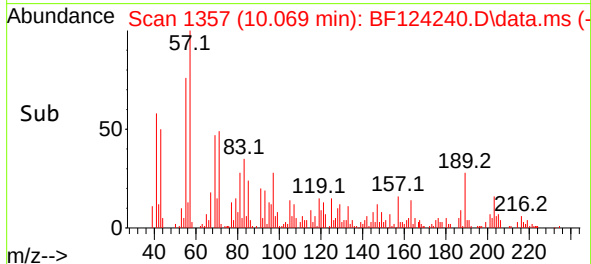
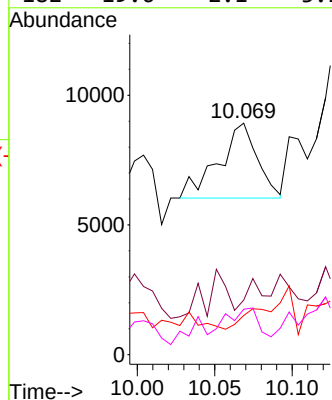
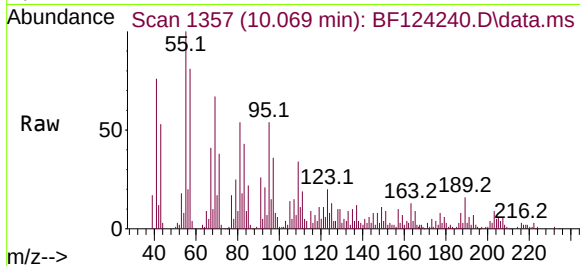




#57
2,4-Dinitrotoluene
Concen: 2.90 ng
RT: 10.069 min Scan# 1357
Delta R.T. -0.018 min
Lab File: BF124240.D
Acq: 10 Jun 2021 19:16

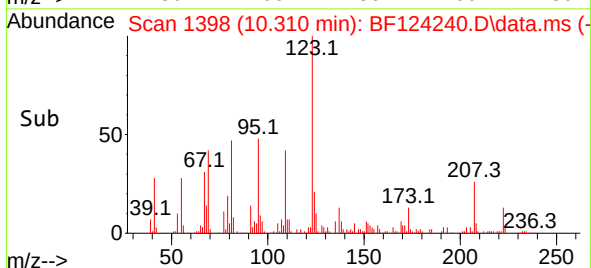
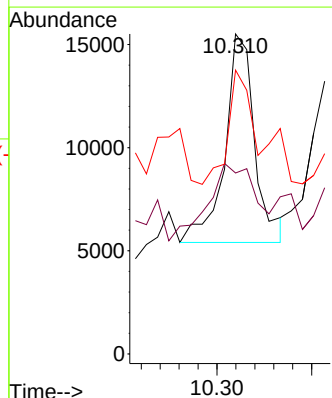
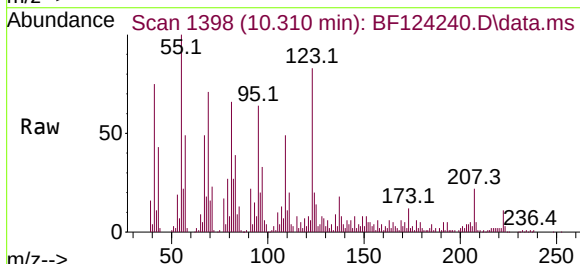
Instrument :
BNA_F
ClientSampleId :
R44-STONE-1

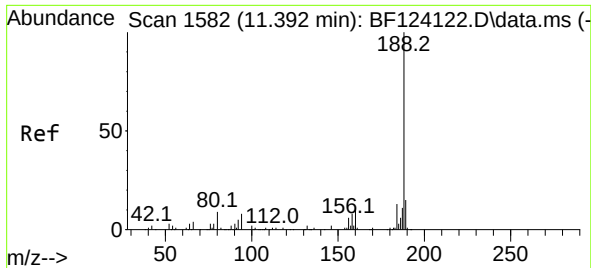
Tgt Ion:165 Resp: 4990
Ion Ratio Lower Upper
165 100
63 23.6 43.5 65.3#
89 16.9 67.7 101.5#
182 19.6 2.1 3.1#



#62
4-Nitroaniline
Concen: 9.03 ng
RT: 10.310 min Scan# 1398
Delta R.T. -0.153 min
Lab File: BF124240.D
Acq: 10 Jun 2021 19:16

Tgt Ion:138 Resp: 11094
Ion Ratio Lower Upper
138 100
92 56.5 35.8 75.8
108 88.7 63.6 103.6

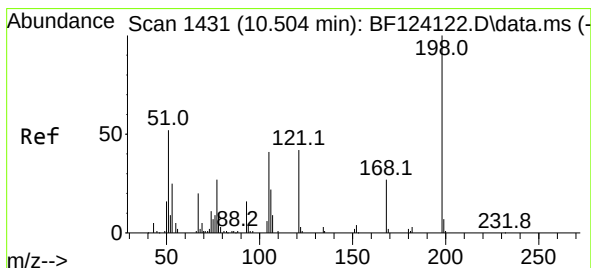
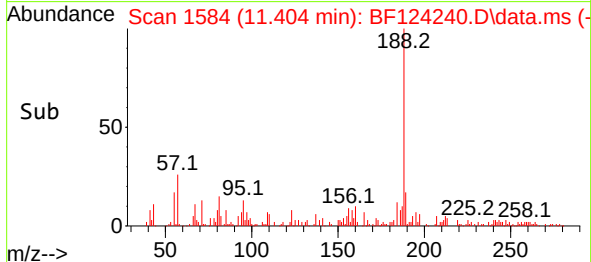
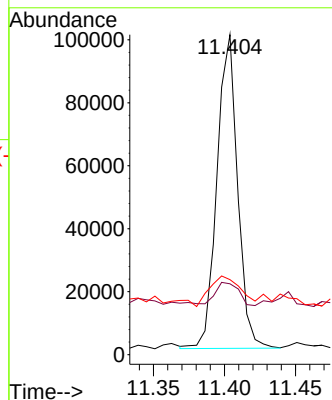
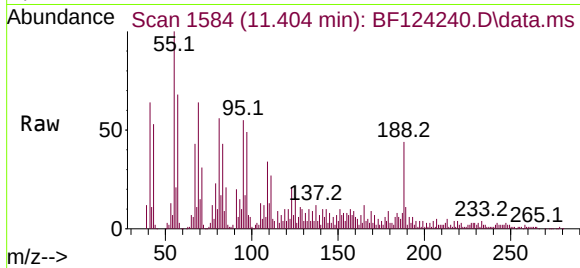




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.404 min Scan# 1584
Delta R.T. 0.030 min
Lab File: BF124240.D
Acq: 10 Jun 2021 19:16

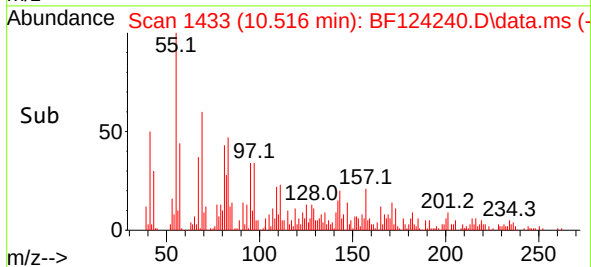
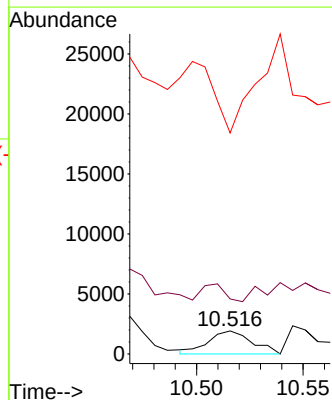
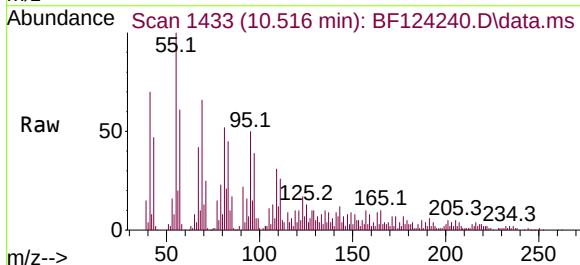
Instrument :
BNA_F
ClientSampleId :
R44-STONE-1

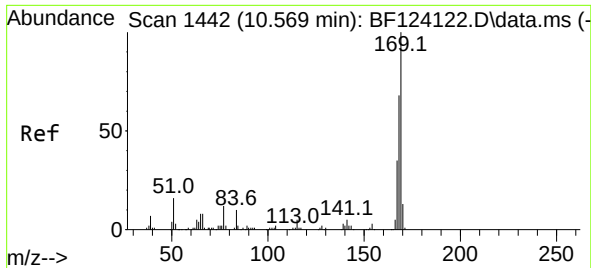
Tgt Ion:188 Resp: 100808
Ion Ratio Lower Upper
188 100
94 22.2 6.9 10.3#
80 23.4 8.2 12.2#



#65
4,6-Dinitro-2-methylphenol
Concen: 3.36 ng
RT: 10.516 min Scan# 1433
Delta R.T. 0.024 min
Lab File: BF124240.D
Acq: 10 Jun 2021 19:16

Tgt Ion:198 Resp: 2723
Ion Ratio Lower Upper
198 100
51 238.2 64.8 104.8#
105 956.1 42.6 82.6#

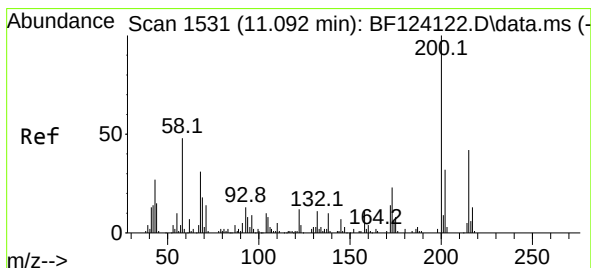
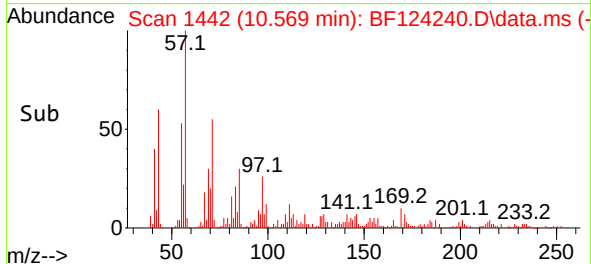
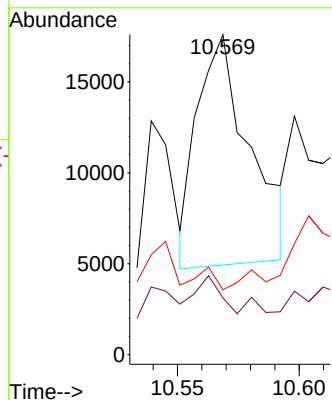
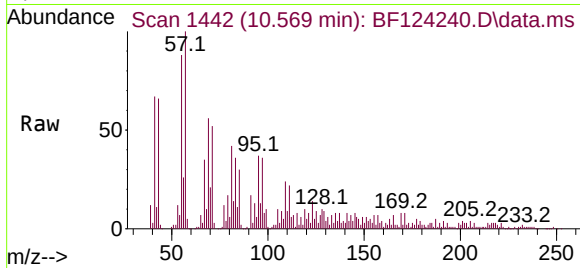




#66
n-Nitrosodiphenylamine
Concen: 4.96 ng
RT: 10.569 min Scan# 1442
Delta R.T. 0.018 min
Lab File: BF124240.D
Acq: 10 Jun 2021 19:16

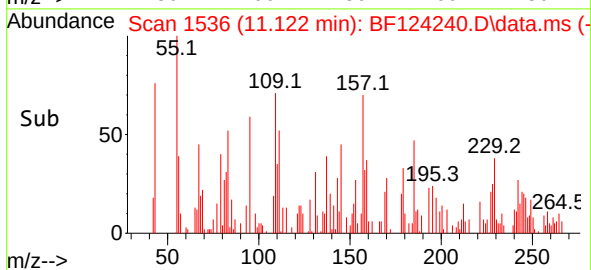
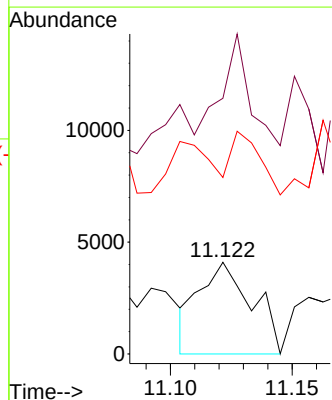
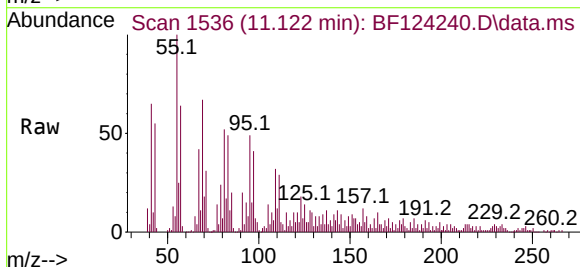
Instrument :
BNA_F
ClientSampleId :
R44-STONE-1

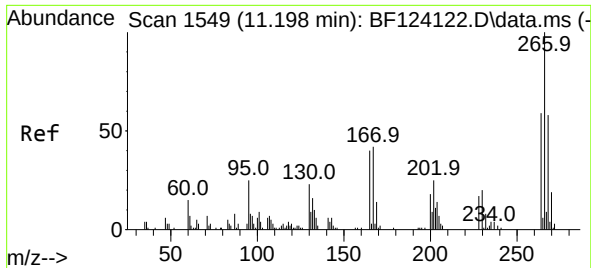
Tgt Ion:	169	Resp:	19001
Ion Ratio	Lower	Upper	
169	100		
168	17.7	53.3	79.9#
167	20.3	29.9	44.9#



#69
Atrazine
Concen: 5.74 ng
RT: 11.122 min Scan# 1536
Delta R.T. 0.041 min
Lab File: BF124240.D
Acq: 10 Jun 2021 19:16

Tgt Ion:	200	Resp:	6222
Ion Ratio	Lower	Upper	
200	100		
173	278.7	6.9	46.9#
215	192.3	26.5	66.5#

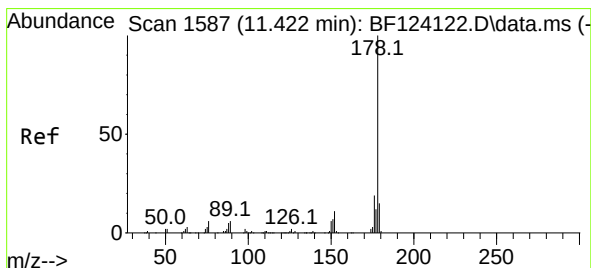
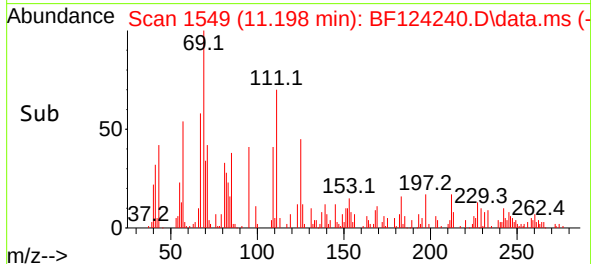
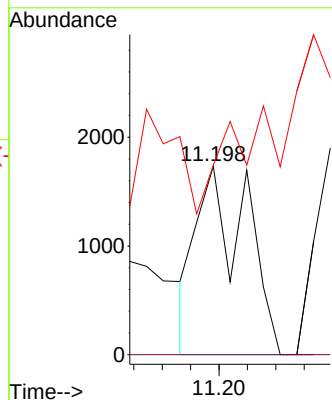
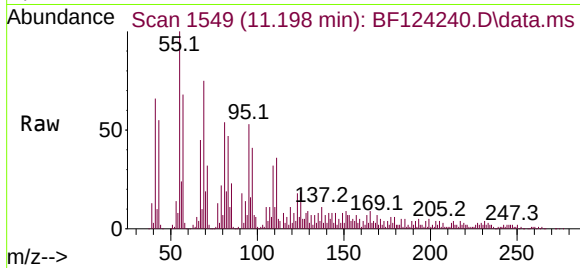




#70
Pentachlorophenol
Concen: 7.06 ng
RT: 11.198 min Scan# 1549
Delta R.T. 0.012 min
Lab File: BF124240.D
Acq: 10 Jun 2021 19:16

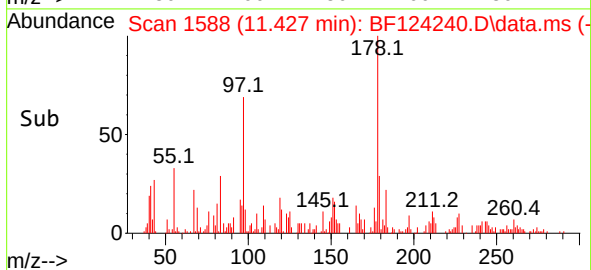
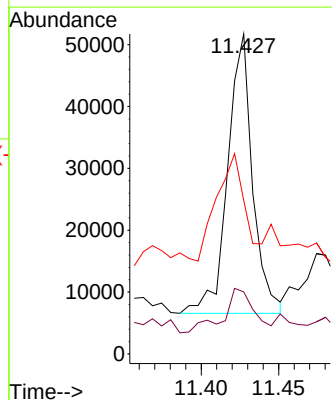
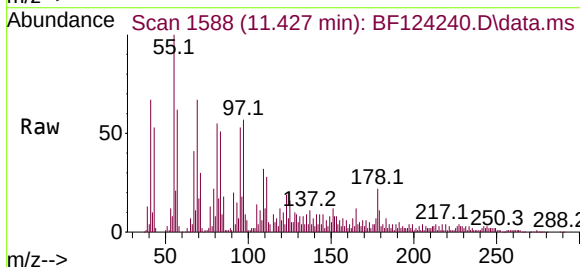
Instrument :
BNA_F
ClientSampleId :
R44-STONE-1

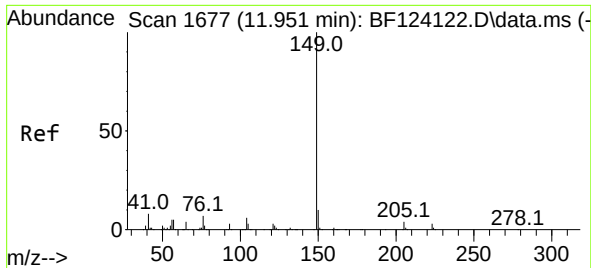
Tgt Ion:266 Resp: 2097
Ion Ratio Lower Upper
266 100
268 0.0 51.6 77.4#
264 100.5 52.6 78.8#



#71
Phenanthrene
Concen: 8.00 ng
RT: 11.427 min Scan# 1588
Delta R.T. 0.024 min
Lab File: BF124240.D
Acq: 10 Jun 2021 19:16

Tgt Ion:178 Resp: 50395
Ion Ratio Lower Upper
178 100
176 19.4 15.6 23.4
179 48.0 12.5 18.7#

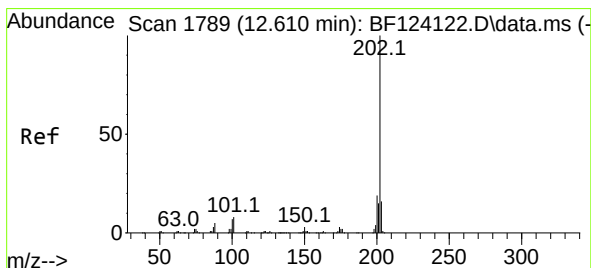
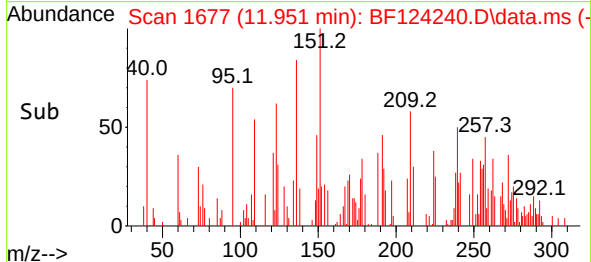
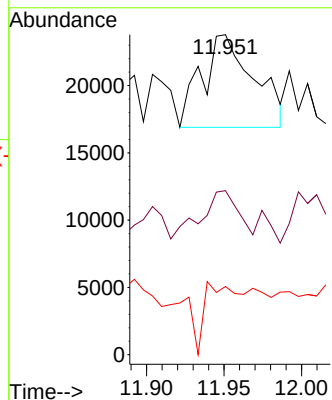
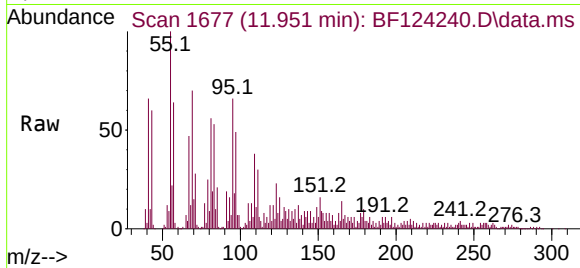




#74
Di-n-butylphthalate
Concen: 2.25 ng
RT: 11.951 min Scan# 1677
Delta R.T. 0.018 min
Lab File: BF124240.D
Acq: 10 Jun 2021 19:16

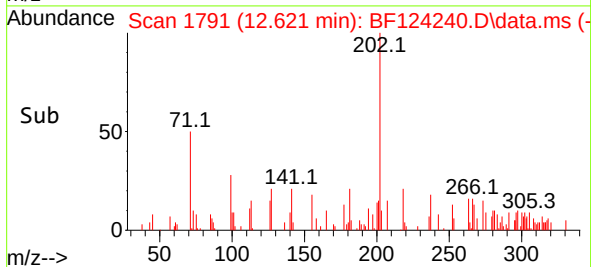
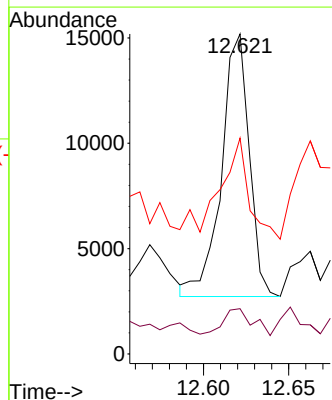
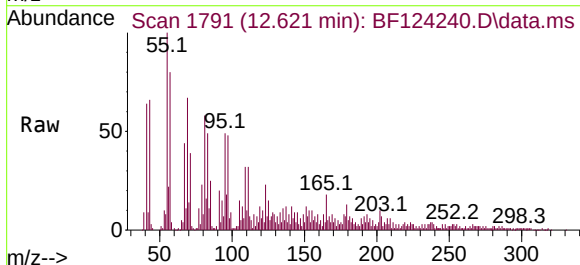
Instrument :
BNA_F
ClientSampleId :
R44-STONE-1

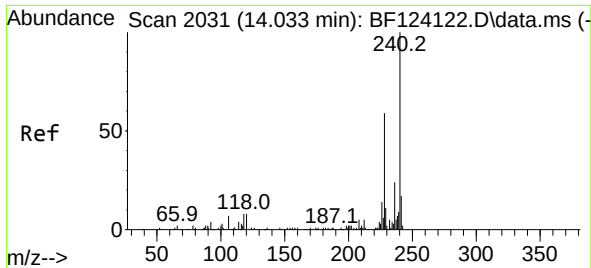
Tgt Ion:149 Resp: 16014
Ion Ratio Lower Upper
149 100
150 51.2 7.8 11.8#
104 21.3 4.6 6.8#



#75
Fluoranthene
Concen: 2.13 ng
RT: 12.621 min Scan# 1791
Delta R.T. 0.030 min
Lab File: BF124240.D
Acq: 10 Jun 2021 19:16

Tgt Ion:202 Resp: 14106
Ion Ratio Lower Upper
202 100
101 14.1 0.0 30.9
203 67.5 0.0 37.5#

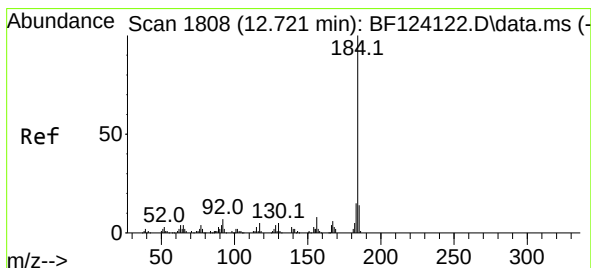
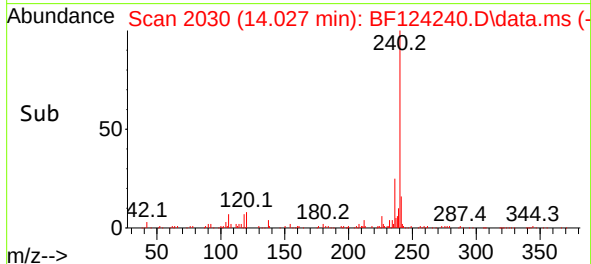
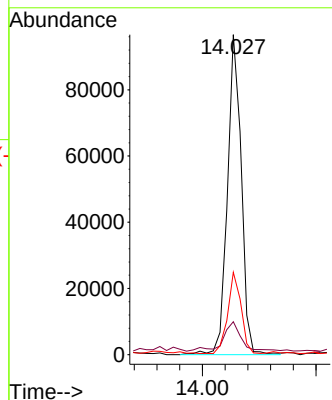
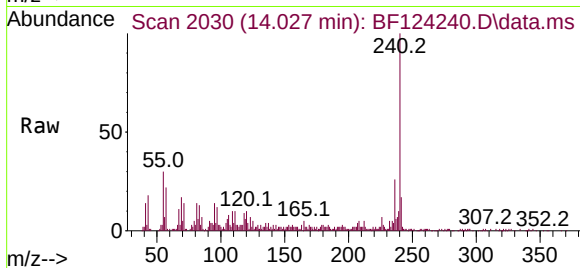




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.006 min
Lab File: BF124240.D
Acq: 10 Jun 2021 19:16

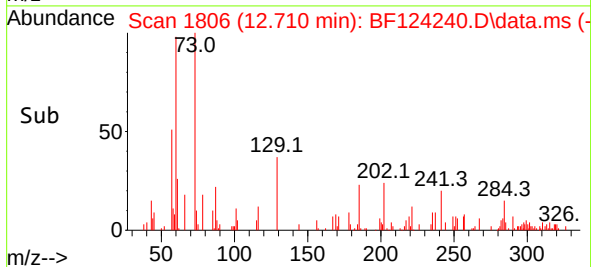
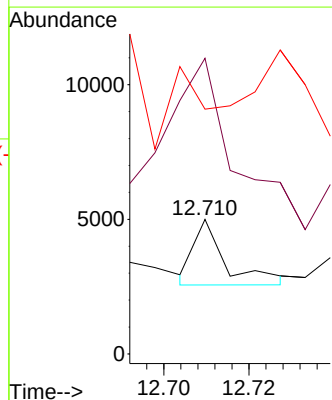
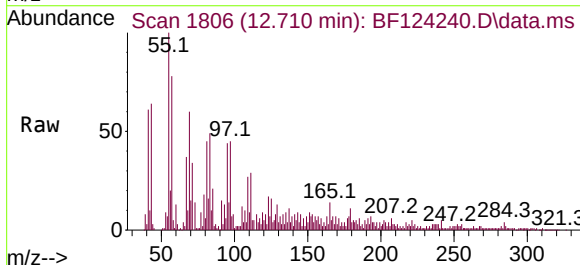
Instrument :
BNA_F
ClientSampleId :
R44-STONE-1

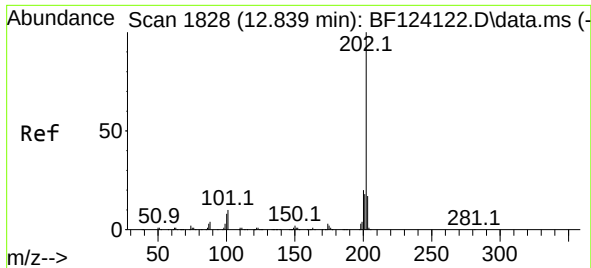
Tgt Ion:240 Resp: 82171
Ion Ratio Lower Upper
240 100
120 10.3 7.2 10.8
236 25.7 19.0 28.4



#77
Benzidine
Concen: 4.67 ng
RT: 12.710 min Scan# 1806
Delta R.T. 0.000 min
Lab File: BF124240.D
Acq: 10 Jun 2021 19:16

Tgt Ion:184 Resp: 1277
Ion Ratio Lower Upper
184 100
185 219.9 12.1 18.1#
183 182.0 7.8 11.8#

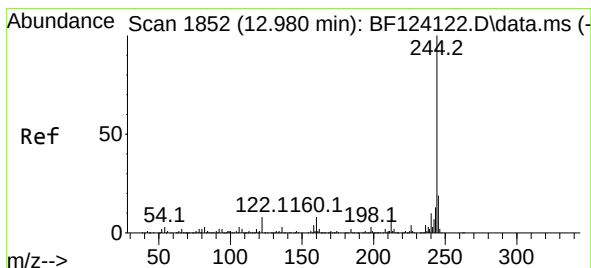
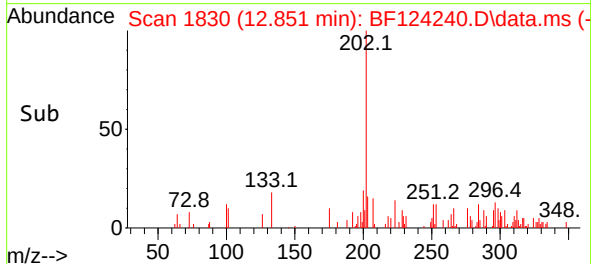
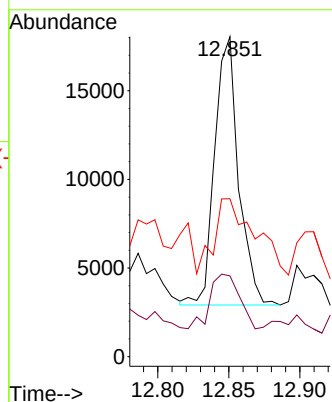
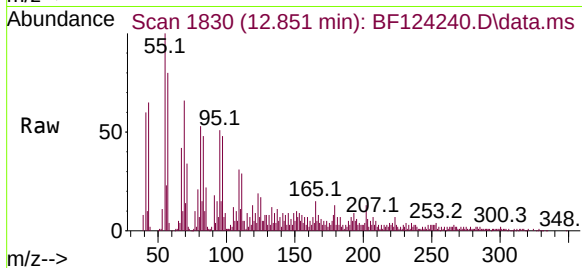




#78
Pyrene
Concen: 2.25 ng
RT: 12.851 min Scan# 1830
Delta R.T. 0.030 min
Lab File: BF124240.D
Acq: 10 Jun 2021 19:16

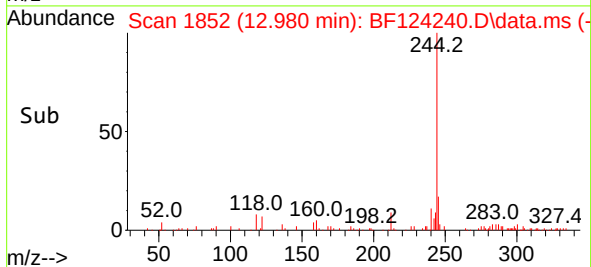
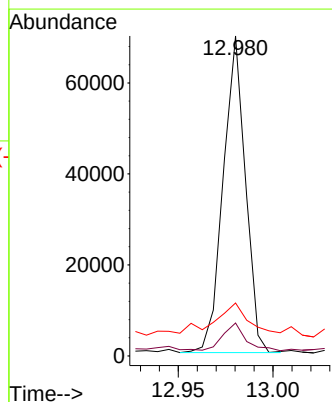
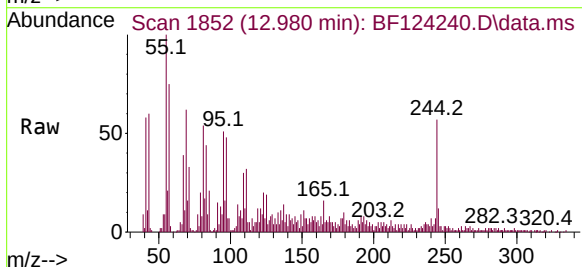
Instrument :
BNA_F
ClientSampleId :
R44-STONE-1

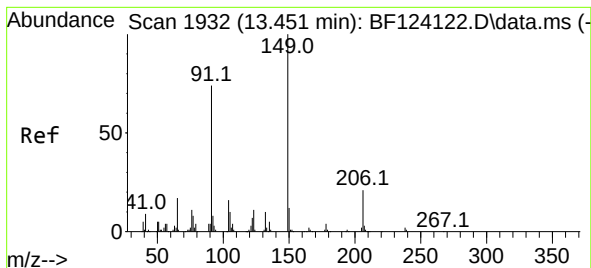
Tgt Ion:202 Resp: 17722
Ion Ratio Lower Upper
202 100
200 25.2 16.1 24.1#
203 49.3 14.8 22.2#



#79
Terphenyl-d14
Concen: 9.51 ng
RT: 12.980 min Scan# 1852
Delta R.T. 0.018 min
Lab File: BF124240.D
Acq: 10 Jun 2021 19:16

Tgt Ion:244 Resp: 56928
Ion Ratio Lower Upper
244 100
212 10.3 5.7 8.5#
122 16.6 9.7 14.5#





#80

Butylbenzylphthalate

Concen: 3.73 ng

RT: 13.445 min Scan# 1931

Delta R.T. 0.012 min

Lab File: BF124240.D

Acq: 10 Jun 2021 19:16

Tgt Ion:149 Resp: 11935

Ion Ratio Lower Upper

149 100

91 99.7 63.6 95.4#

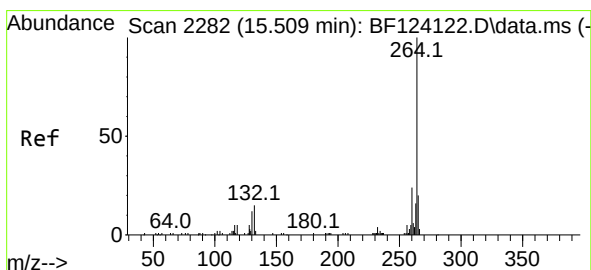
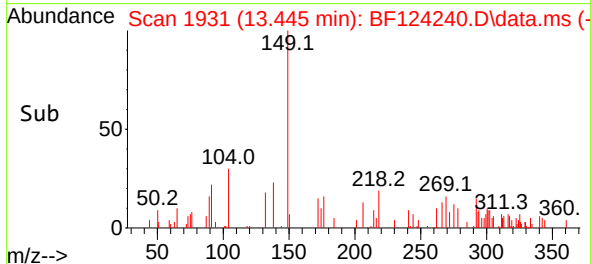
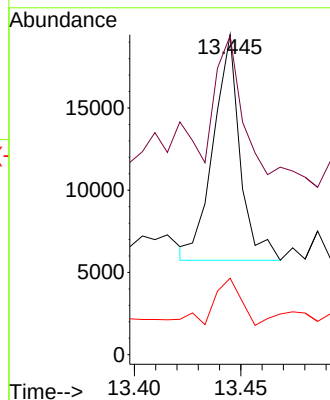
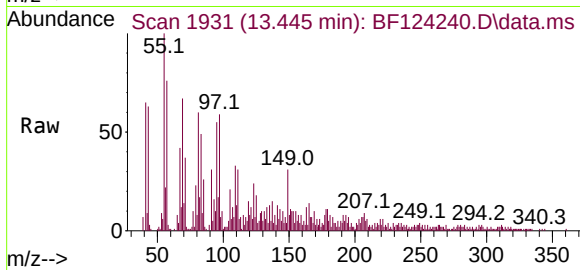
206 23.9 14.5 21.7#

Instrument :

BNA_F

ClientSampleId :

R44-STONE-1



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.498 min Scan# 2280

Delta R.T. 0.006 min

Lab File: BF124240.D

Acq: 10 Jun 2021 19:16

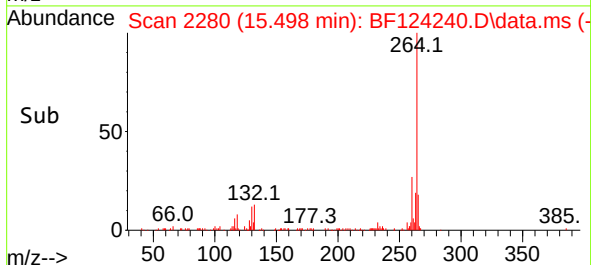
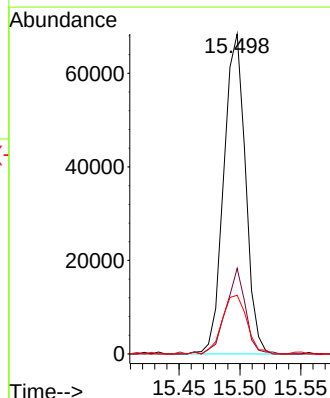
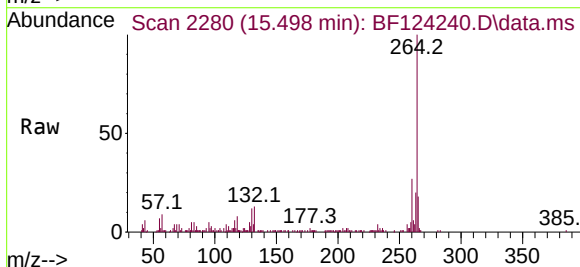
Tgt Ion:264 Resp: 84819

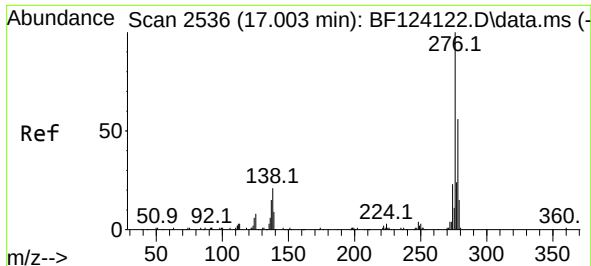
Ion Ratio Lower Upper

264 100

260 26.8 18.7 28.1

265 18.4 17.8 26.8

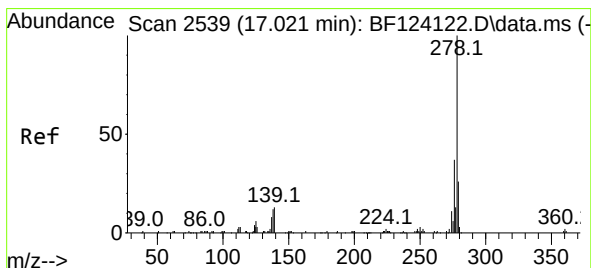
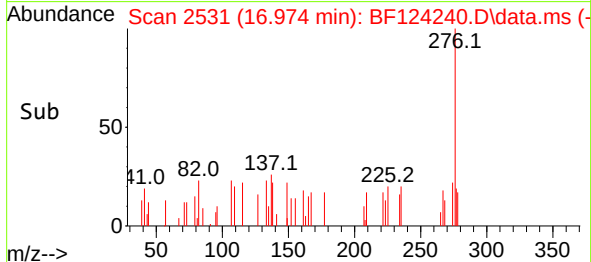
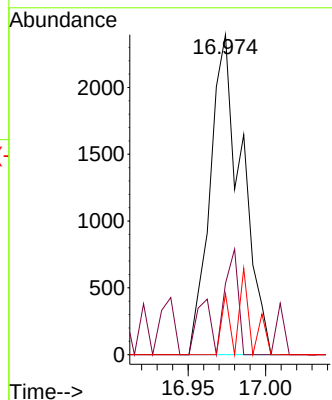
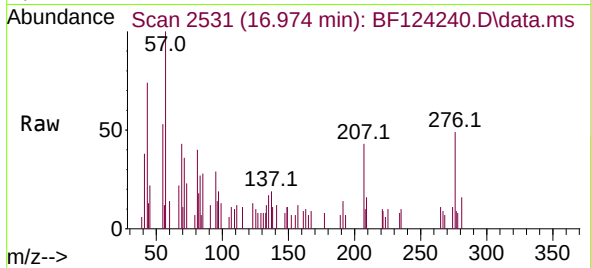




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.78 ng
RT: 16.974 min Scan# 2531
Delta R.T. -0.006 min
Lab File: BF124240.D
Acq: 10 Jun 2021 19:16

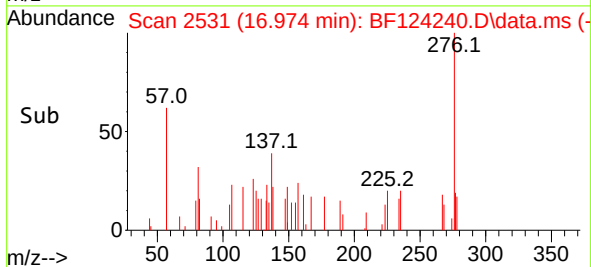
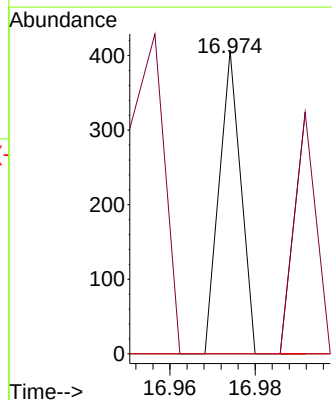
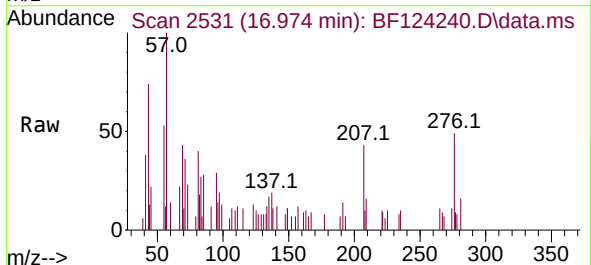
Instrument :
BNA_F
ClientSampleId :
R44-STONE-1

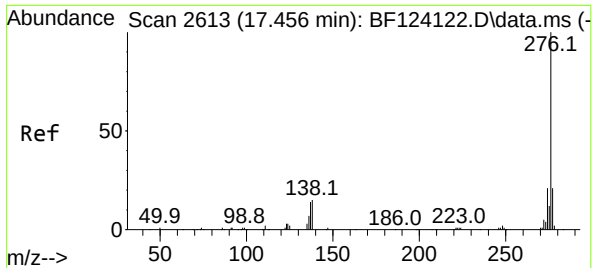
Tgt Ion:276 Resp: 3423
Ion Ratio Lower Upper
276 100
138 0.0 16.2 24.2#
277 4.7 20.1 30.1#



#91
Dibenzo(a,h)anthracene
Concen: 4.20 ng
RT: 16.974 min Scan# 2531
Delta R.T. -0.018 min
Lab File: BF124240.D
Acq: 10 Jun 2021 19:16

Tgt Ion:278 Resp: 144
Ion Ratio Lower Upper
278 100
139 0.0 10.2 15.2#
279 0.0 19.4 29.0#





#92
 Benzo(g,h,i)perylene
 Concen: 4.25 ng
 RT: 17.421 min Scan# 2607
 Delta R.T. -0.012 min
 Lab File: BF124240.D
 Acq: 10 Jun 2021 19:16

Instrument :
 BNA_F
 ClientSampleId :
 R44-STONE-1

Tgt Ion:	276	Resp:	2857
Ion Ratio	Lower	Upper	
276	100		
277	27.1	18.2	27.2
138	42.3	13.8	20.6#

