

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060921\
 Data File : BF124220.D
 Acq On : 9 Jun 2021 21:32
 Operator : JU/CG
 Sample : M2634-04 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 R44-STONE-2

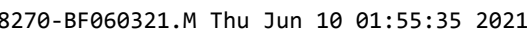
Quant Time: Jun 10 01:55:31 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 10 01:53:56 2021
 Response via : Initial Calibration

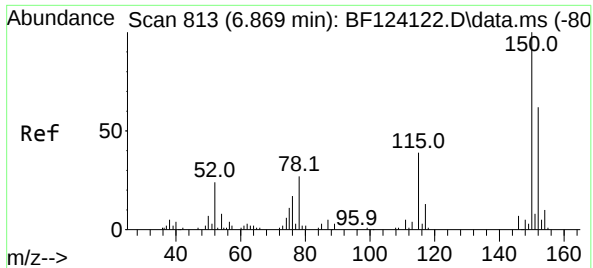
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	32623	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	121357	20.000	ng	# 0.00
39) Acenaphthene-d10	9.898	164	64630	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	97170	20.000	ng	# 0.04
76) Chrysene-d12	14.039	240	81838	20.000	ng	0.02
86) Perylene-d12	15.504	264	45460	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	34653	15.990	ng	0.00
7) Phenol-d6	6.487	99	44349	15.225	ng	-0.01
23) Nitrobenzene-d5	7.410	82	34639	11.321	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	12425	13.570	ng	0.02
45) 2-Fluorobiphenyl	9.210	172	64404	12.540	ng	0.00
79) Terphenyl-d14	12.986	244	61281	10.281	ng	0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.410	70	6431	3.127	ng	# 55
25) Isophorone	7.410	82	34639	6.282	ng	# 69
31) Naphthalene	8.151	128	24551	3.384	ng	96
49) Acenaphthylene	9.751	152	35308	5.470	ng	# 73
51) 2,6-Dinitrotoluene	9.692	165	4892	3.990	ng	# 21
53) 3-Nitroaniline	9.845	138	8649	7.537	ng	# 12
54) 2,4-Dinitrophenol	9.951	184	451	4.199	ng	# 1
56) 4-Nitrophenol	10.010	139	4398	5.363	ng	# 1
57) 2,4-Dinitrotoluene	10.104	165	6212	3.842	ng	# 41
61) 4-Chlorophenyl-phenyle...	10.469	204	8159	3.150	ng	# 1
62) 4-Nitroaniline	10.369	138	14098	12.219	ng	97
65) 4,6-Dinitro-2-methylph...	10.522	198	1619	2.073	ng	# 1
66) n-Nitrosodiphenylamine	10.575	169	18449	4.997	ng	# 58
69) Atrazine	11.139	200	2157	2.064	ng	# 1
70) Pentachlorophenol	11.239	266	1121	5.991	ng	# 34
71) Phenanthrene	11.433	178	59202	9.753	ng	# 47
74) Di-n-butylphthalate	11.963	149	16949	2.476	ng	# 24
75) Fluoranthene	12.627	202	18033	2.830	ng	# 26
77) Benzidine	12.751	184	1221	4.647	ng	# 1
78) Pyrene	12.857	202	24428	3.108	ng	# 56
80) Butylbenzylphthalate	13.451	149	28124	8.822	ng	# 85
87) Indeno(1,2,3-cd)pyrene	16.974	276	2539	4.946	ng	# 86
91) Dibenzo(a,h)anthracene	16.992	278	949	4.443	ng	# 32
92) Benzo(g,h,i)perylene	17.433	276	3009	4.676	ng	# 55

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

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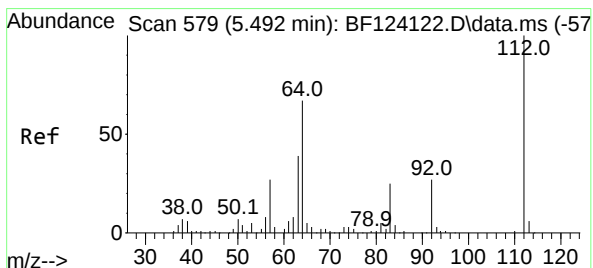
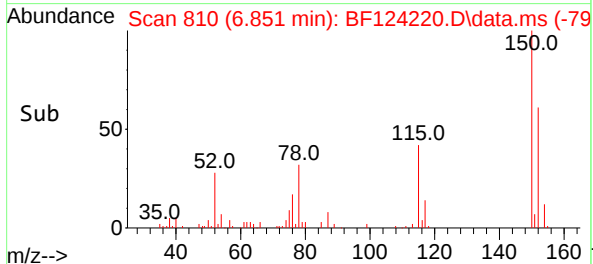
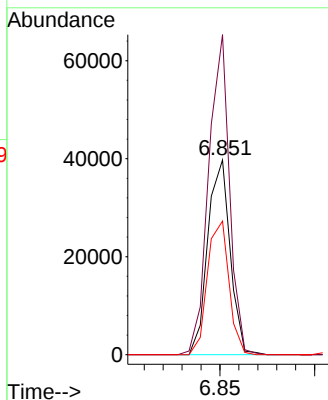
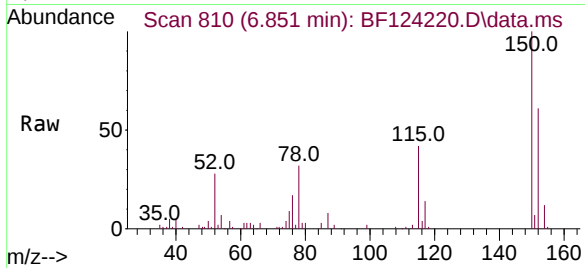




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF124220.D
Acq: 9 Jun 2021 21:32

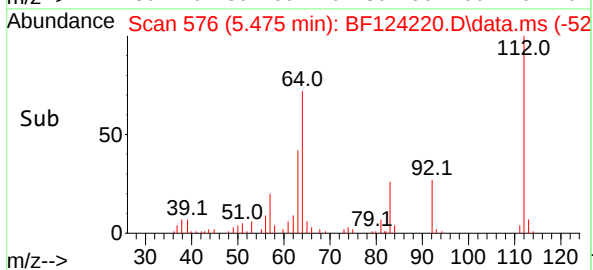
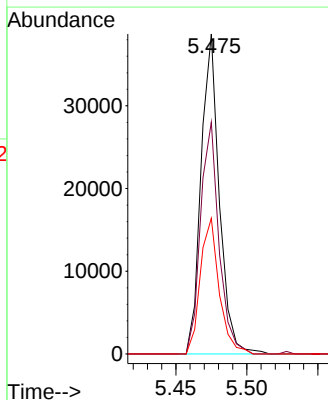
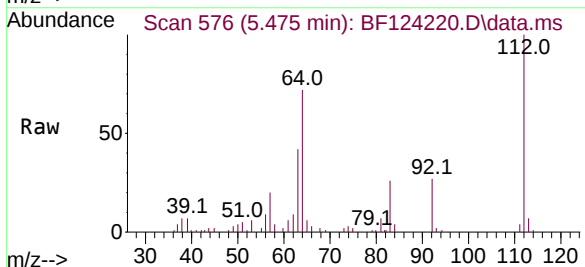
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BNA_F
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R44-STONE-2

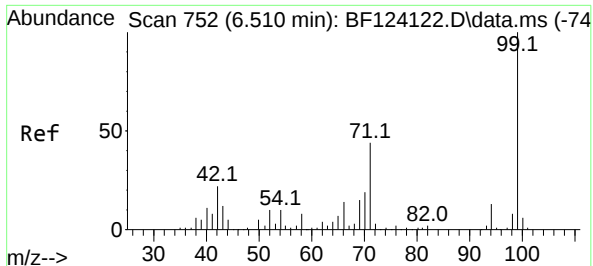
Tgt Ion:152 Resp: 32623
Ion Ratio Lower Upper
152 100
150 164.4 127.0 190.6
115 68.7 54.3 81.5



#5
2-Fluorophenol
Concen: 15.990 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF124220.D
Acq: 9 Jun 2021 21:32

Tgt Ion:112 Resp: 34653
Ion Ratio Lower Upper
112 100
64 72.5 61.4 92.0
63 42.4 33.0 49.4

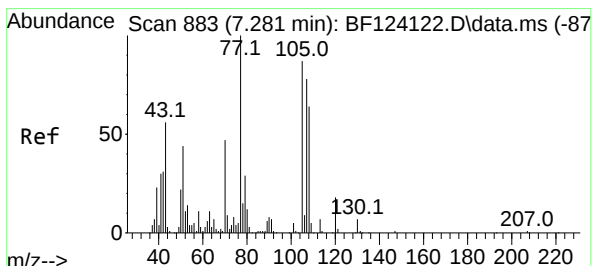
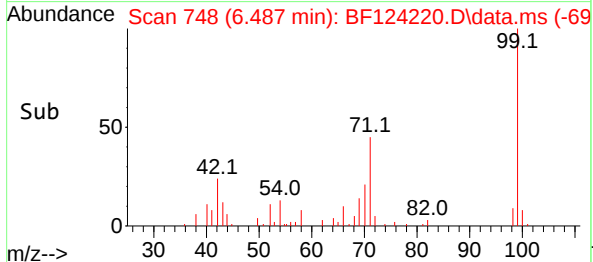
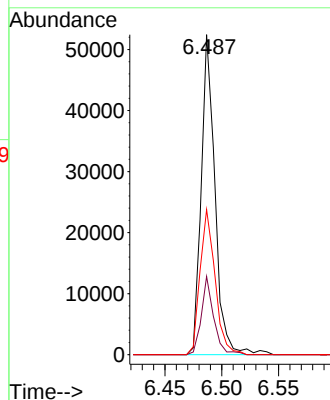
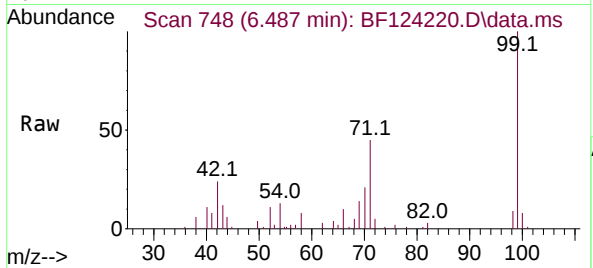




#7
Phenol-d6
Concen: 15.225 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.012 min
Lab File: BF124220.D
Acq: 9 Jun 2021 21:32

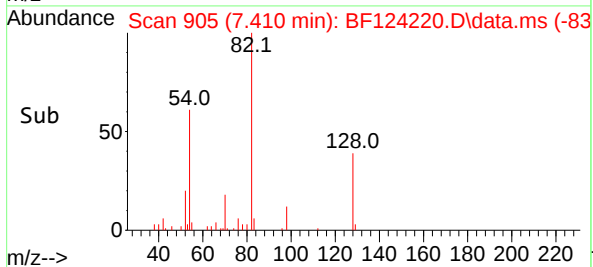
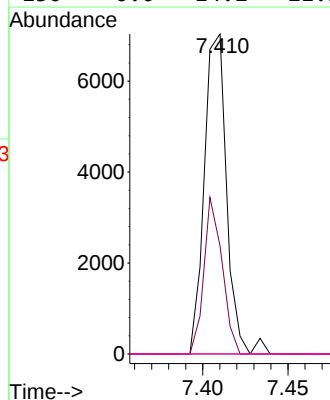
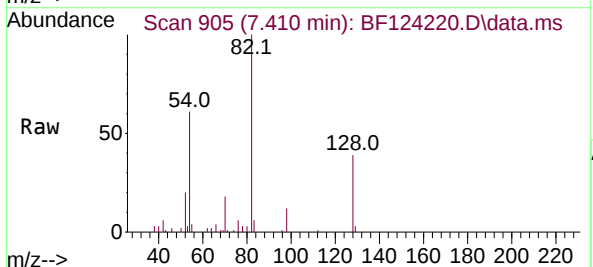
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ClientSampleId :
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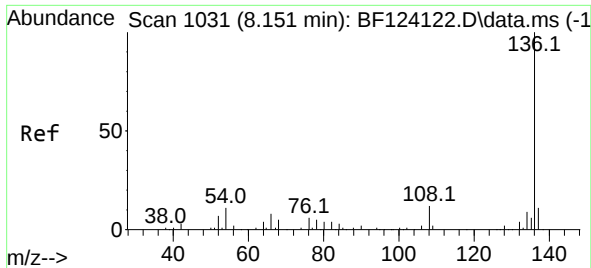
Tgt Ion: 99 Resp: 44349
Ion Ratio Lower Upper
99 100
42 24.5 19.8 29.8
71 45.4 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 3.127 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF124220.D
Acq: 9 Jun 2021 21:32

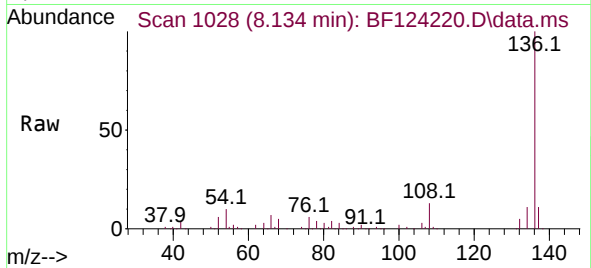
Tgt Ion: 70 Resp: 6431
Ion Ratio Lower Upper
70 100
42 33.8 60.1 90.1#
101 0.0 7.4 11.2#
130 0.0 14.2 21.2#



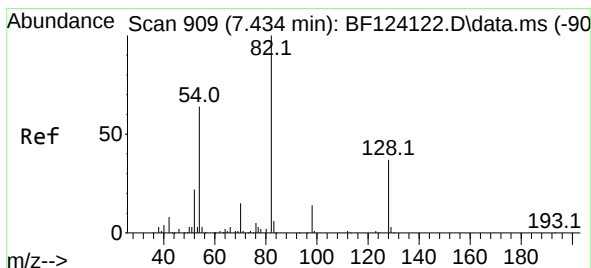
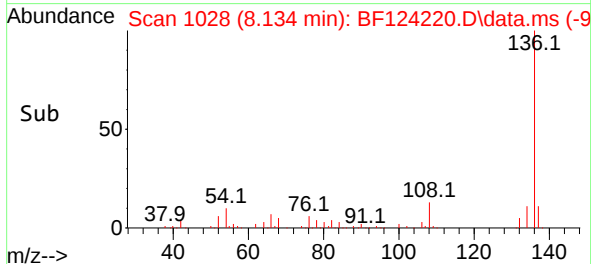
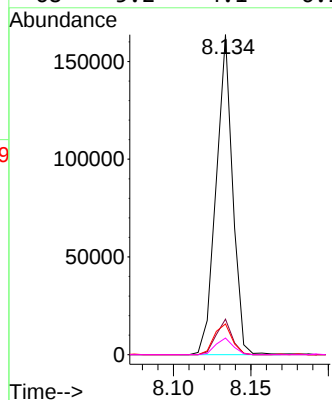


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1028
Delta R.T. 0.000 min
Lab File: BF124220.D
Acq: 9 Jun 2021 21:32

Instrument :
BNA_F
ClientSampleId :
R44-STONE-2

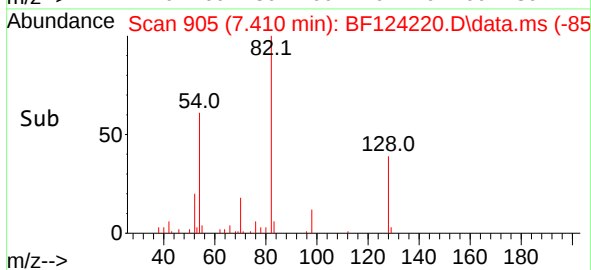
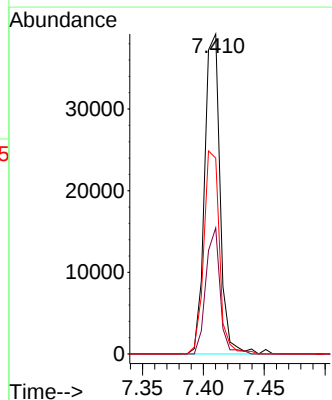
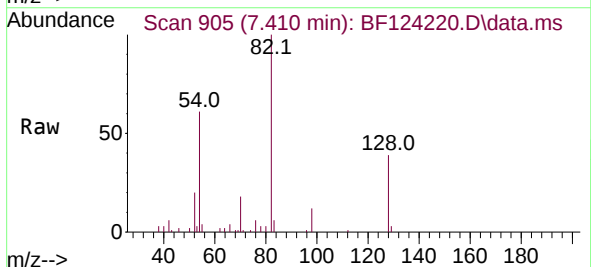


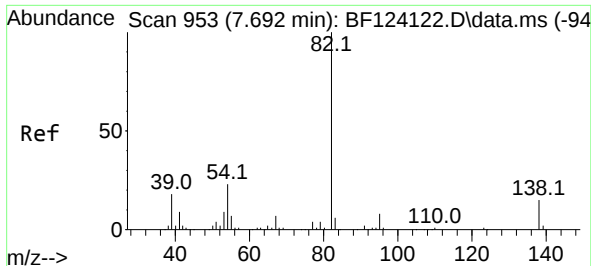
Tgt Ion:136 Resp: 121357
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 9.6 9.8 14.6#
68 5.2 4.1 6.1



#23
Nitrobenzene-d5
Concen: 11.321 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF124220.D
Acq: 9 Jun 2021 21:32

Tgt Ion: 82 Resp: 34639
Ion Ratio Lower Upper
82 100
128 39.4 29.4 44.2
54 61.2 54.1 81.1

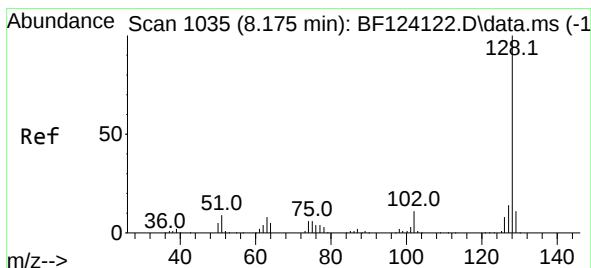
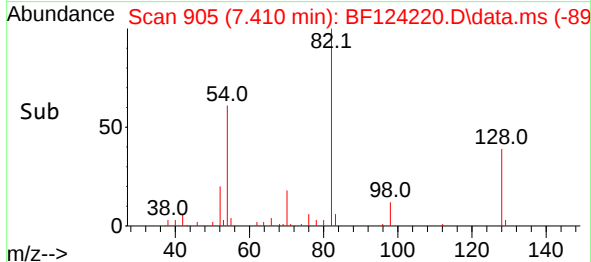
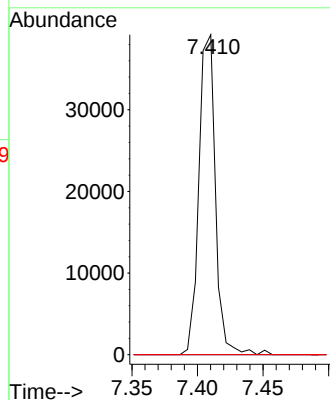
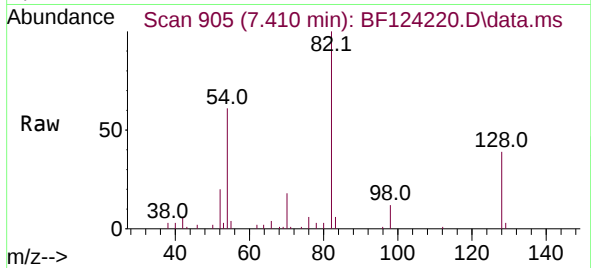




#25
Isophorone
Concen: 6.282 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.264 min
Lab File: BF124220.D
Acq: 9 Jun 2021 21:32

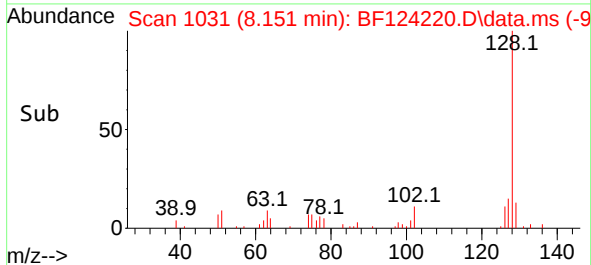
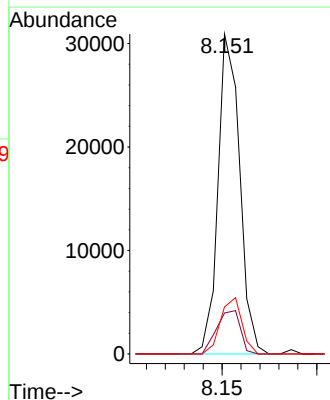
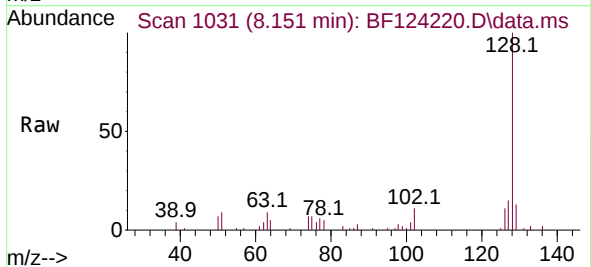
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R44-STONE-2

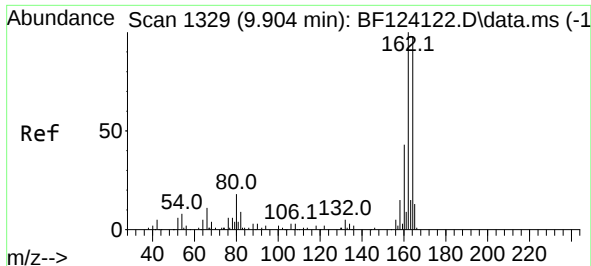
Tgt Ion: 82 Resp: 34639
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#31
Naphthalene
Concen: 3.384 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF124220.D
Acq: 9 Jun 2021 21:32

Tgt Ion: 128 Resp: 24551
Ion Ratio Lower Upper
128 100
129 12.8 8.9 13.3
127 14.7 10.8 16.2

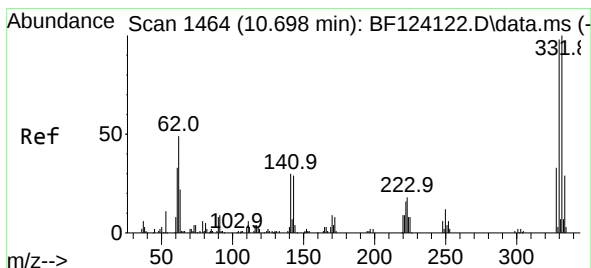
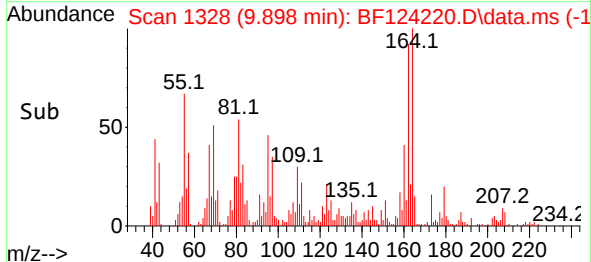
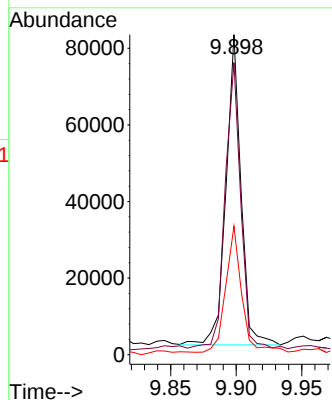
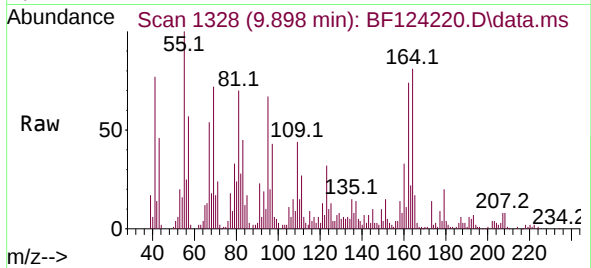




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF124220.D
Acq: 9 Jun 2021 21:32

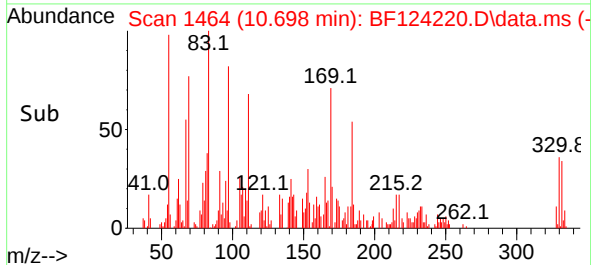
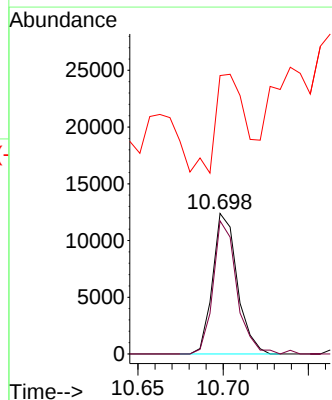
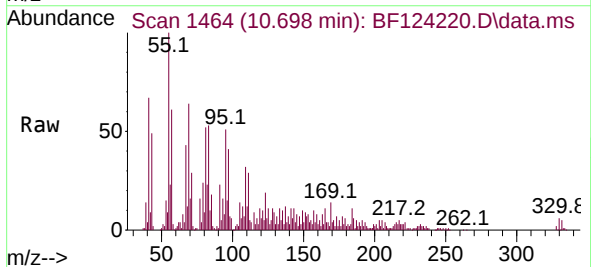
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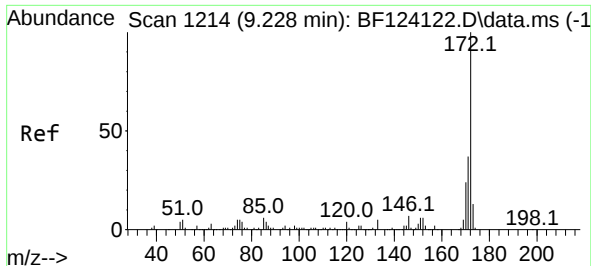
Tgt Ion:164 Resp: 64630
Ion Ratio Lower Upper
164 100
162 91.3 80.7 121.1
160 40.1 37.3 55.9



#42
2,4,6-Tribromophenol
Concen: 13.570 ng
RT: 10.698 min Scan# 1464
Delta R.T. 0.018 min
Lab File: BF124220.D
Acq: 9 Jun 2021 21:32

Tgt Ion:330 Resp: 12425
Ion Ratio Lower Upper
330 100
332 91.3 77.1 115.7
141 87.2 27.9 41.9#

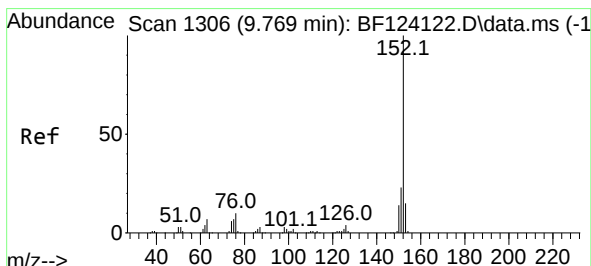
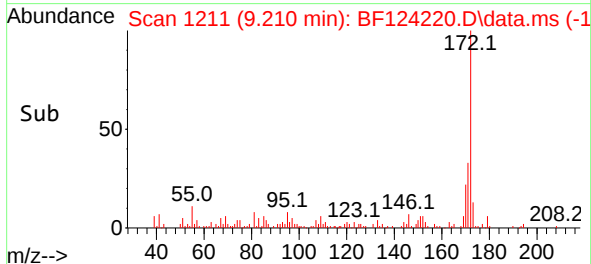
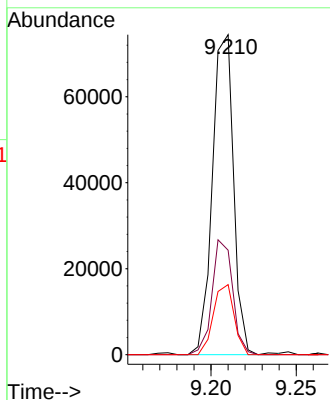
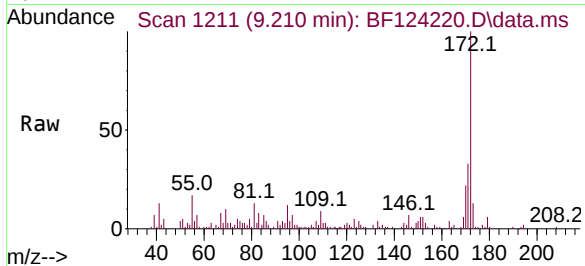




#45
2-Fluorobiphenyl
Concen: 12.540 ng
RT: 9.210 min Scan# 1211
Delta R.T. 0.000 min
Lab File: BF124220.D
Acq: 9 Jun 2021 21:32

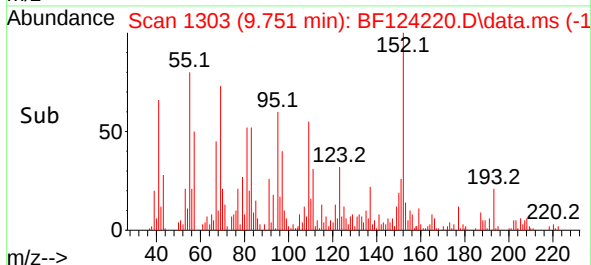
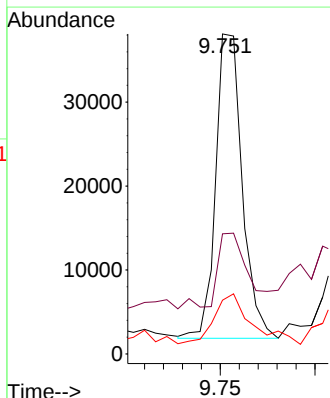
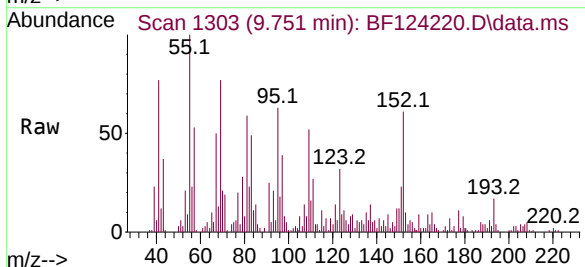
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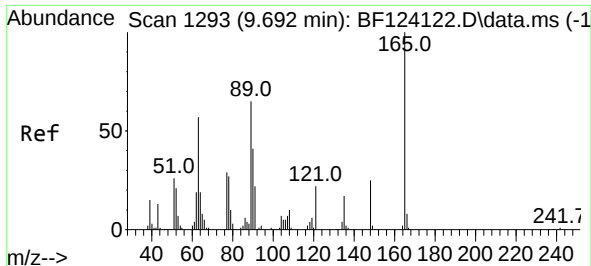
Tgt Ion:172 Resp: 64404
Ion Ratio Lower Upper
172 100
171 32.6 28.1 42.1
170 21.9 19.2 28.8



#49
Acenaphthylene
Concen: 5.470 ng
RT: 9.751 min Scan# 1303
Delta R.T. 0.000 min
Lab File: BF124220.D
Acq: 9 Jun 2021 21:32

Tgt Ion:152 Resp: 35308
Ion Ratio Lower Upper
152 100
151 37.5 16.0 24.0#
153 16.8 10.4 15.6#

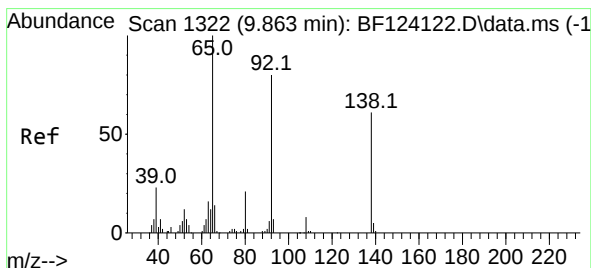
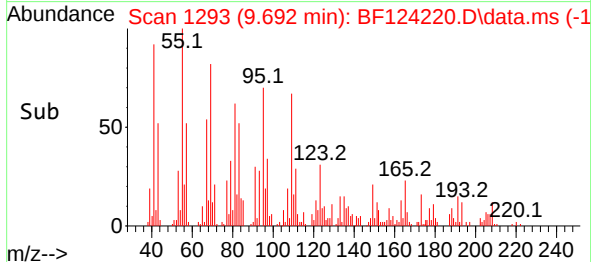
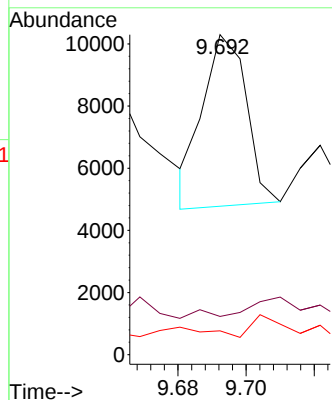
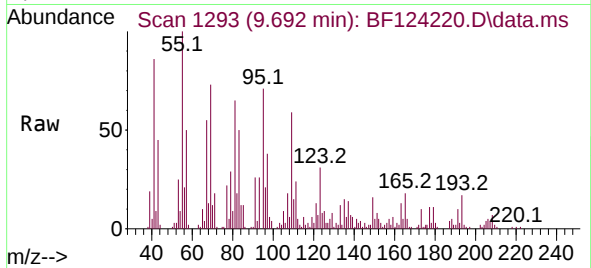




#51
2,6-Dinitrotoluene
Concen: 3.990 ng
RT: 9.692 min Scan# 1293
Delta R.T. 0.012 min
Lab File: BF124220.D
Acq: 9 Jun 2021 21:32

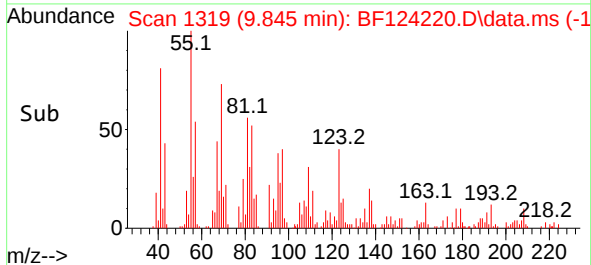
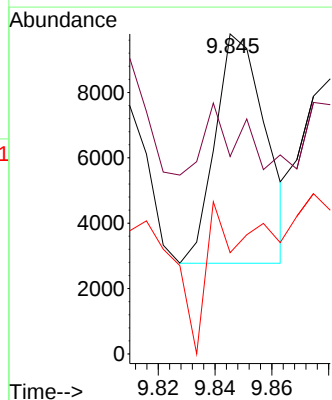
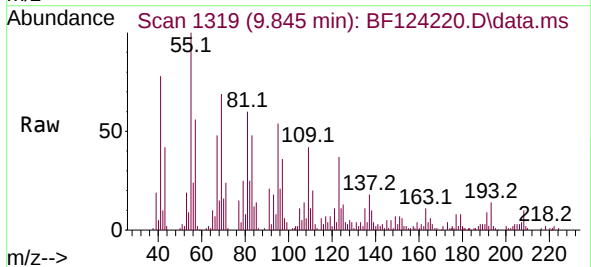
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ClientSampleId :
R44-STONE-2

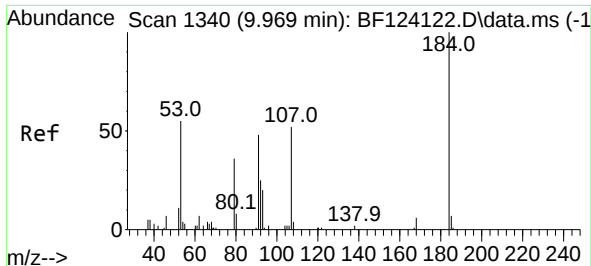
Tgt Ion:165 Resp: 4892
Ion Ratio Lower Upper
165 100
63 11.9 67.7 101.5#
89 7.5 58.8 88.2#



#53
3-Nitroaniline
Concen: 7.537 ng
RT: 9.845 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF124220.D
Acq: 9 Jun 2021 21:32

Tgt Ion:138 Resp: 8649
Ion Ratio Lower Upper
138 100
108 61.7 10.2 15.4#
92 31.7 103.3 154.9#

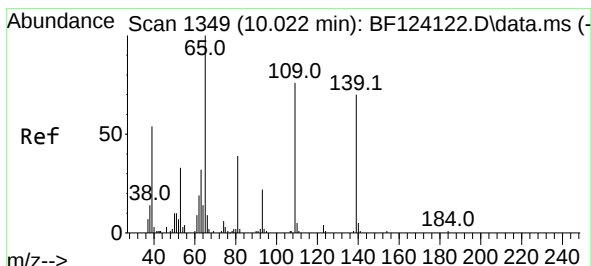
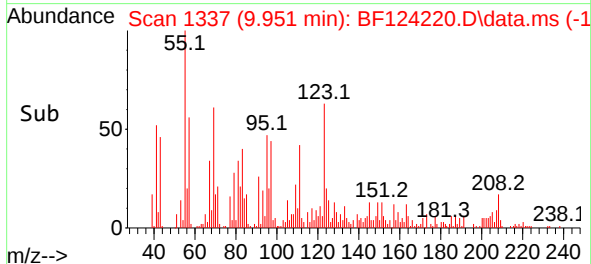
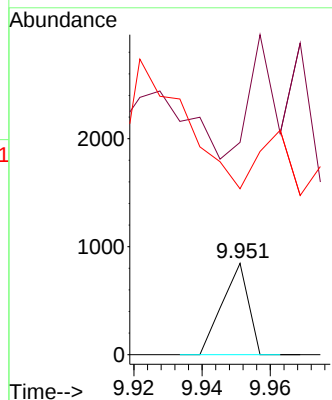
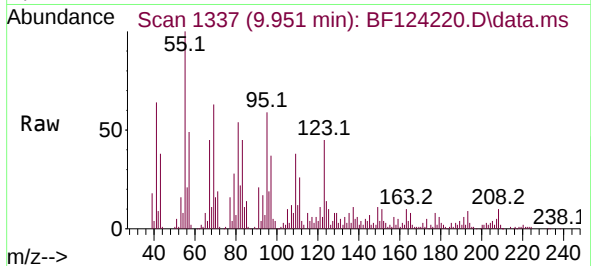




#54
2,4-Dinitrophenol
Concen: 4.199 ng
RT: 9.951 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF124220.D
Acq: 9 Jun 2021 21:32

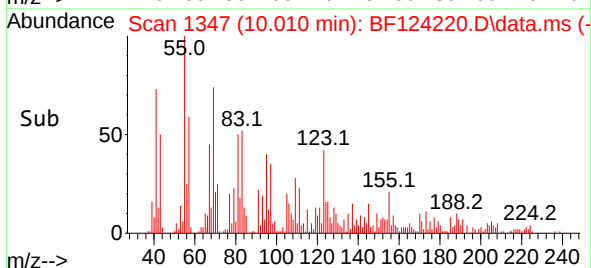
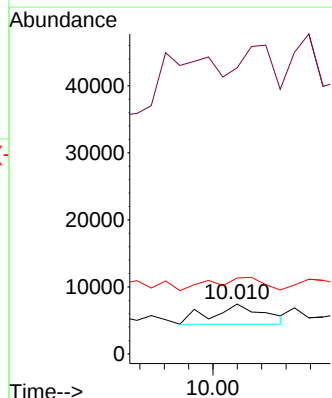
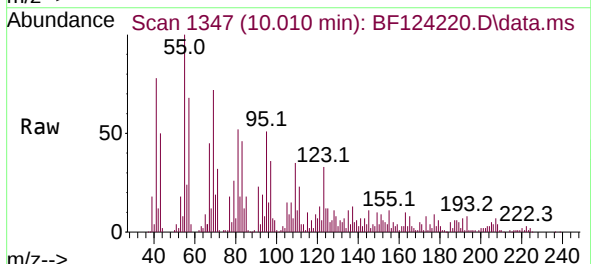
Instrument :
BNA_F
ClientSampleId :
R44-STONE-2

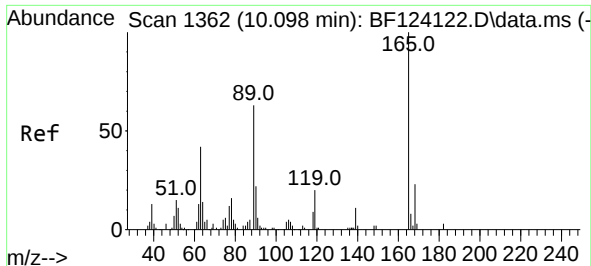
Tgt Ion:184 Resp: 451
Ion Ratio Lower Upper
184 100
63 232.4 73.5 110.3#
154 181.6 52.5 78.7#



#56
4-Nitrophenol
Concen: 5.363 ng
RT: 10.010 min Scan# 1347
Delta R.T. -0.012 min
Lab File: BF124220.D
Acq: 9 Jun 2021 21:32

Tgt Ion:139 Resp: 4398
Ion Ratio Lower Upper
139 100
109 572.7 63.2 103.2#
65 152.1 110.0 150.0#

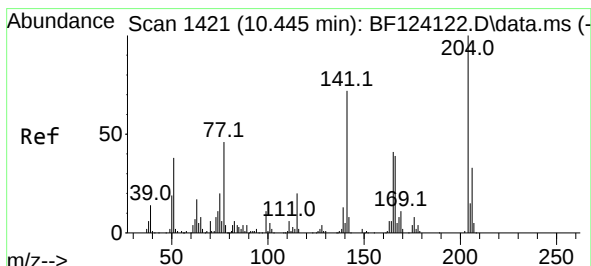
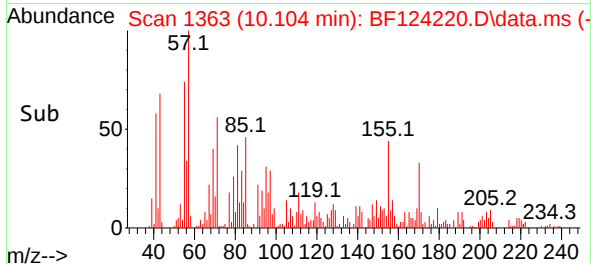
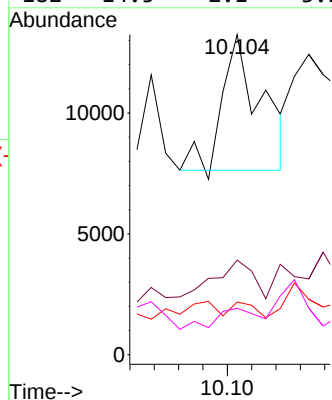
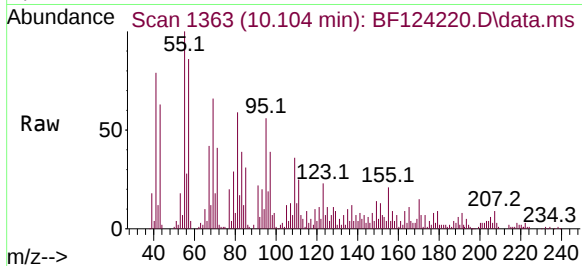




#57
2,4-Dinitrotoluene
Concen: 3.842 ng
RT: 10.104 min Scan# 1363
Delta R.T. 0.018 min
Lab File: BF124220.D
Acq: 9 Jun 2021 21:32

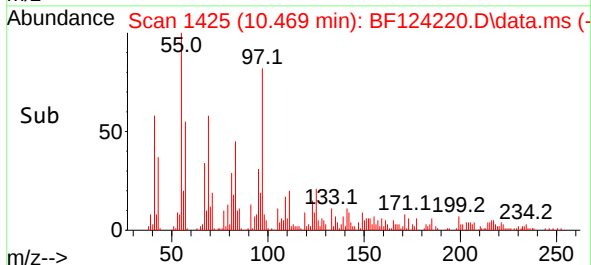
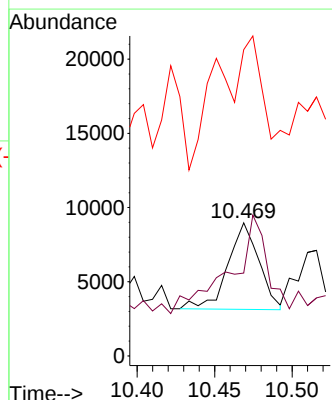
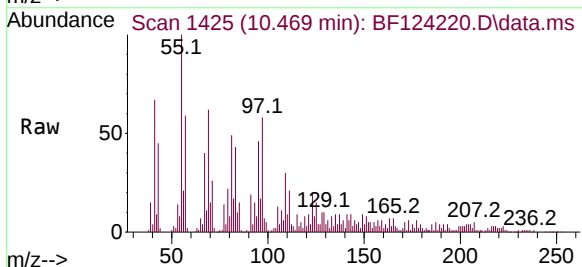
Instrument :
BNA_F
ClientSampled :
R44-STONE-2

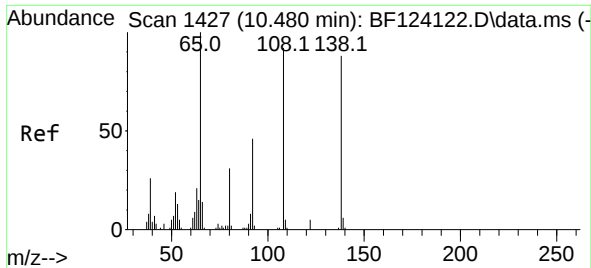
Tgt Ion:165 Resp: 6212
Ion Ratio Lower Upper
165 100
63 29.6 43.5 65.3#
89 16.5 67.7 101.5#
182 14.5 2.1 3.1#



#61
4-Chlorophenyl-phenylether
Concen: 3.150 ng
RT: 10.469 min Scan# 1425
Delta R.T. 0.041 min
Lab File: BF124220.D
Acq: 9 Jun 2021 21:32

Tgt Ion:204 Resp: 8159
Ion Ratio Lower Upper
204 100
206 62.3 25.7 38.5#
141 230.1 55.5 83.3#

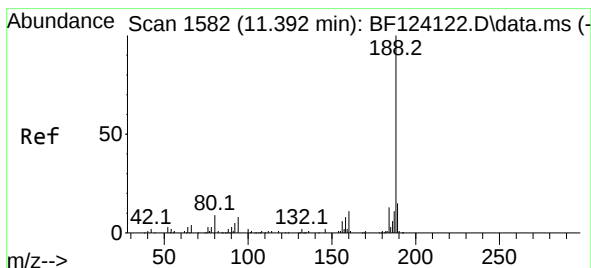
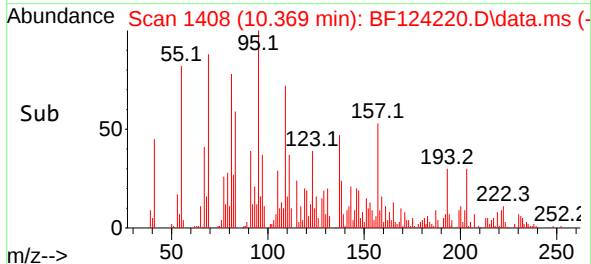
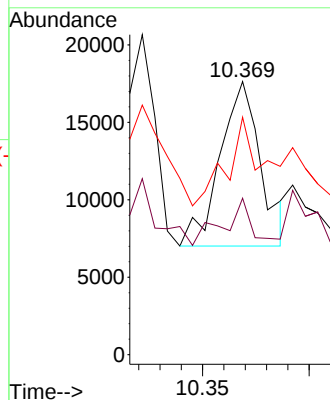
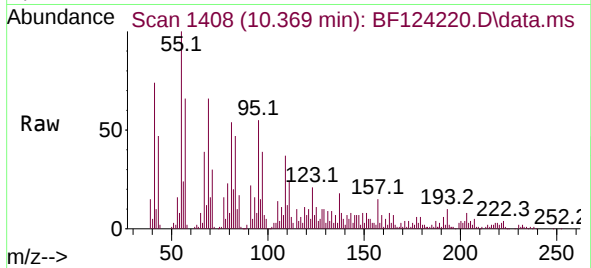




#62
4-Nitroaniline
Concen: 12.219 ng
RT: 10.369 min Scan# 1408
Delta R.T. -0.094 min
Lab File: BF124220.D
Acq: 9 Jun 2021 21:32

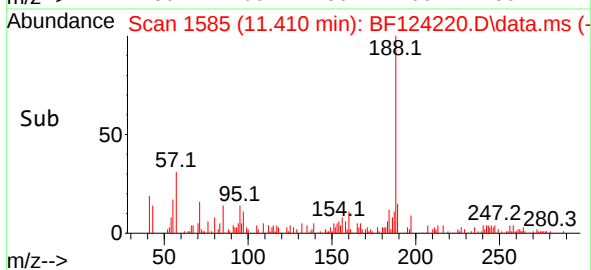
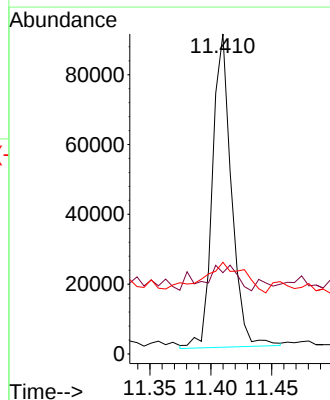
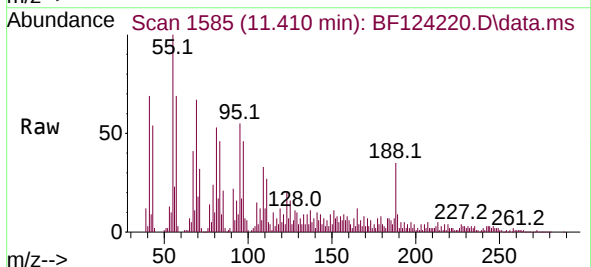
Instrument :
BNA_F
ClientSampled :
R44-STONE-2

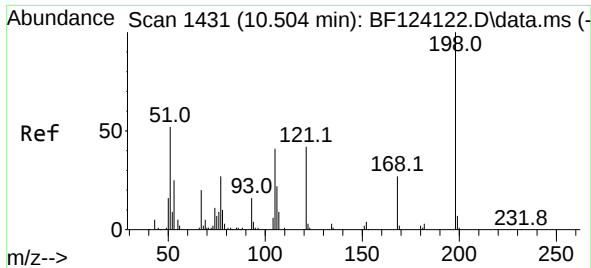
Tgt Ion:138 Resp: 14098
Ion Ratio Lower Upper
138 100
92 57.3 35.8 75.8
108 86.9 63.6 103.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1585
Delta R.T. 0.036 min
Lab File: BF124220.D
Acq: 9 Jun 2021 21:32

Tgt Ion:188 Resp: 97170
Ion Ratio Lower Upper
188 100
94 25.4 6.9 10.3#
80 28.6 8.2 12.2#

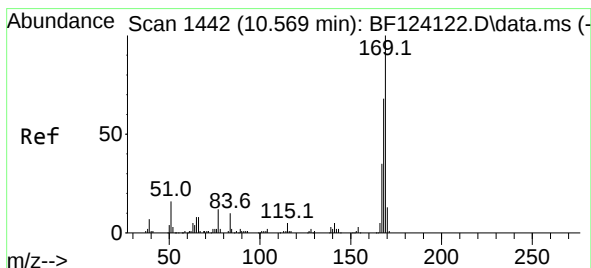
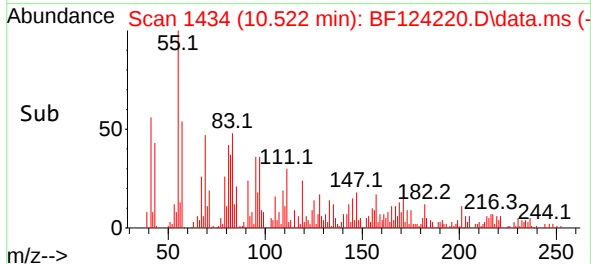
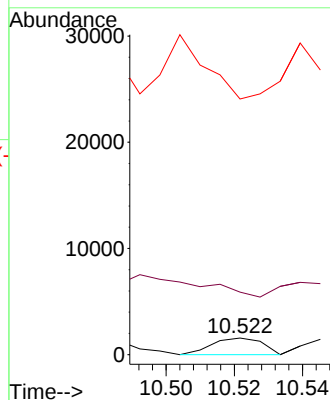
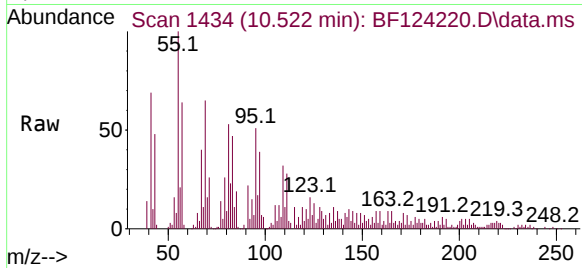




#65
4,6-Dinitro-2-methylphenol
Concen: 2.073 ng
RT: 10.522 min Scan# 1434
Delta R.T. 0.030 min
Lab File: BF124220.D
Acq: 9 Jun 2021 21:32

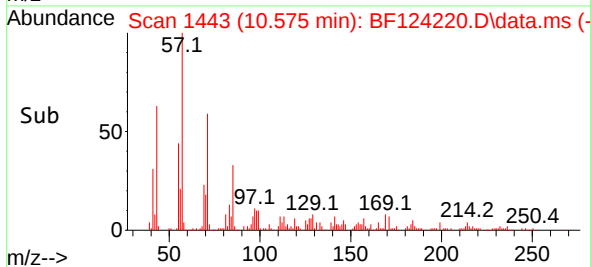
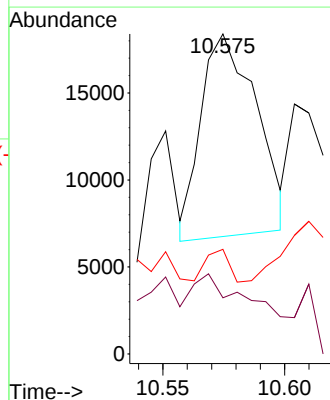
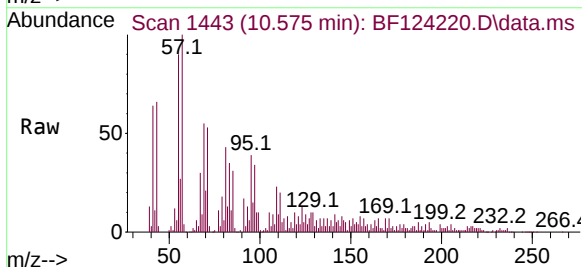
Instrument :
BNA_F
ClientSampleId :
R44-STONE-2

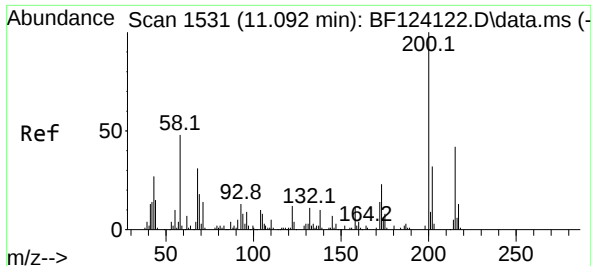
Tgt Ion:198 Resp: 1619
Ion Ratio Lower Upper
198 100
51 375.8 64.8 104.8#
105 1536.2 42.6 82.6#



#66
n-Nitrosodiphenylamine
Concen: 4.997 ng
RT: 10.575 min Scan# 1443
Delta R.T. 0.024 min
Lab File: BF124220.D
Acq: 9 Jun 2021 21:32

Tgt Ion:169 Resp: 18449
Ion Ratio Lower Upper
169 100
168 17.6 53.3 79.9#
167 32.7 29.9 44.9

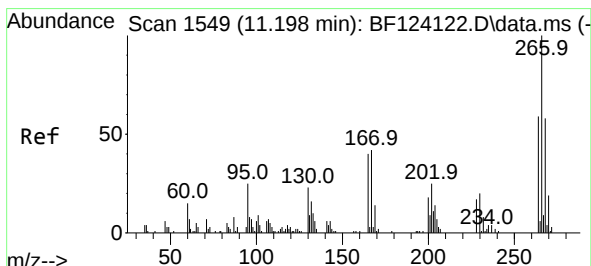
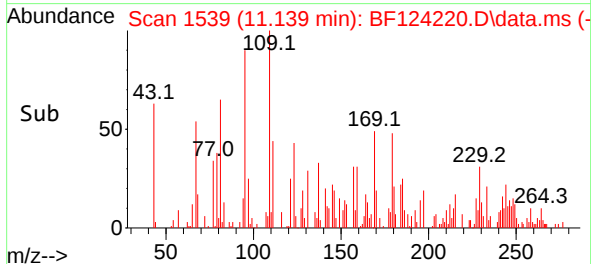
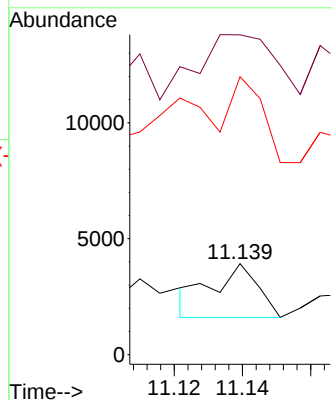
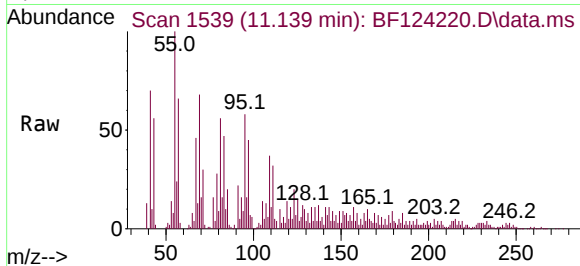




#69
Atrazine
Concen: 2.064 ng
RT: 11.139 min Scan# 1539
Delta R.T. 0.059 min
Lab File: BF124220.D
Acq: 9 Jun 2021 21:32

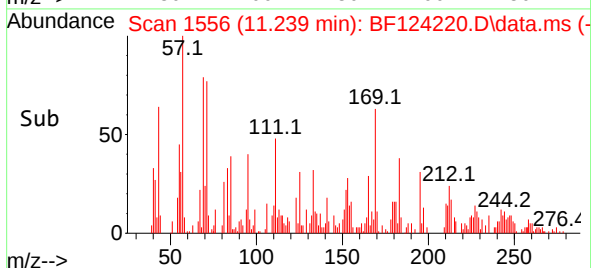
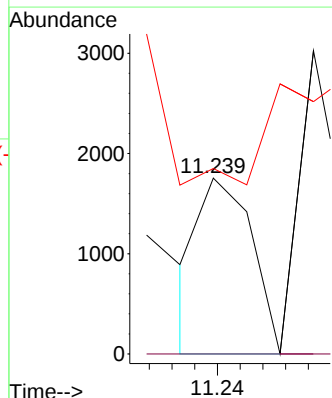
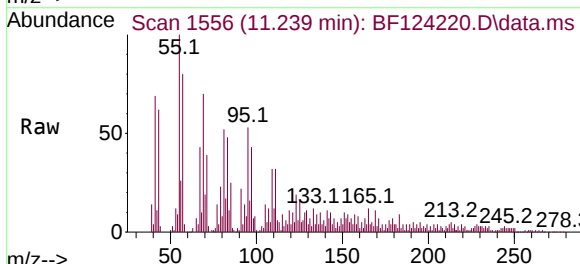
Instrument :
BNA_F
ClientSampleId :
R44-STONE-2

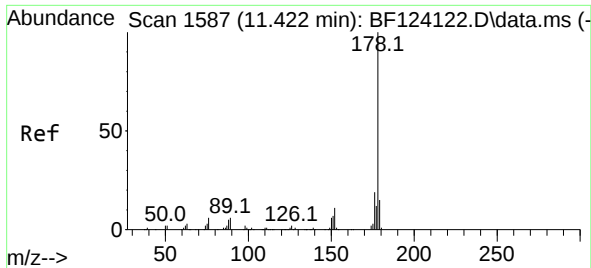
Tgt Ion:200 Resp: 2157
Ion Ratio Lower Upper
200 100
173 351.3 6.9 46.9#
215 305.2 26.5 66.5#



#70
Pentachlorophenol
Concen: 5.991 ng
RT: 11.239 min Scan# 1556
Delta R.T. 0.053 min
Lab File: BF124220.D
Acq: 9 Jun 2021 21:32

Tgt Ion:266 Resp: 1121
Ion Ratio Lower Upper
266 100
268 0.0 51.6 77.4#
264 105.4 52.6 78.8#

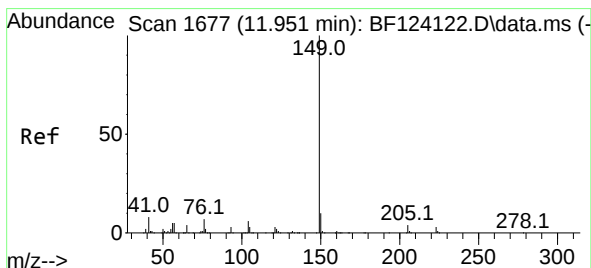
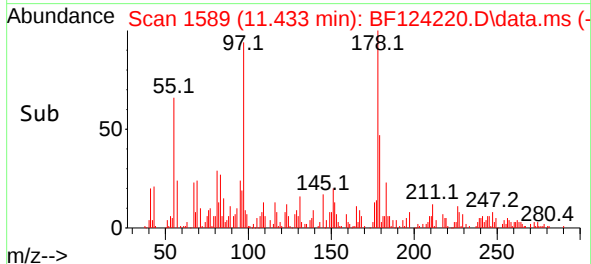
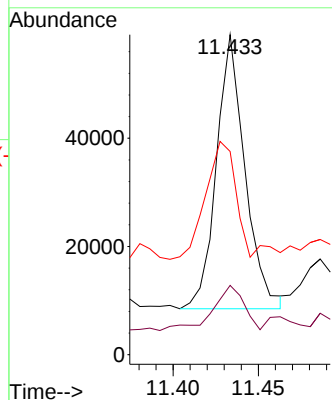
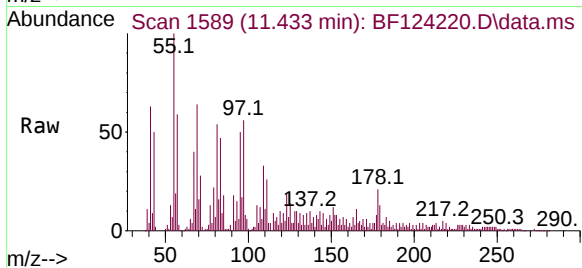




#71
Phenanthrene
Concen: 9.753 ng
RT: 11.433 min Scan# 1589
Delta R.T. 0.030 min
Lab File: BF124220.D
Acq: 9 Jun 2021 21:32

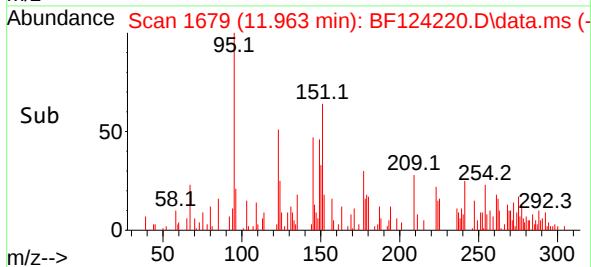
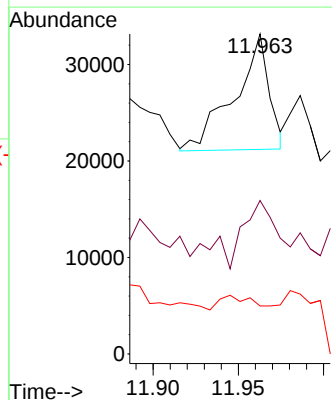
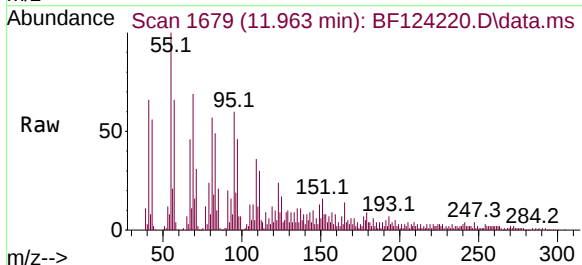
Instrument :
BNA_F
ClientSampleId :
R44-STONE-2

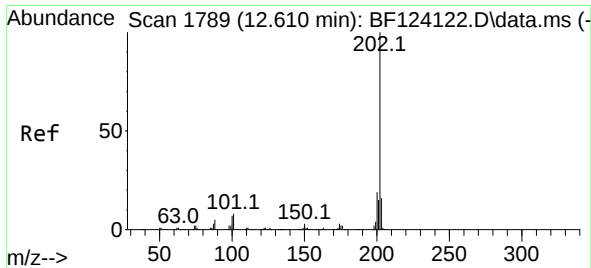
Tgt Ion:178 Resp: 59202
Ion Ratio Lower Upper
178 100
176 21.7 15.6 23.4
179 63.5 12.5 18.7#



#74
Di-n-butylphthalate
Concen: 2.476 ng
RT: 11.963 min Scan# 1679
Delta R.T. 0.030 min
Lab File: BF124220.D
Acq: 9 Jun 2021 21:32

Tgt Ion:149 Resp: 16949
Ion Ratio Lower Upper
149 100
150 47.9 7.8 11.8#
104 15.0 4.6 6.8#

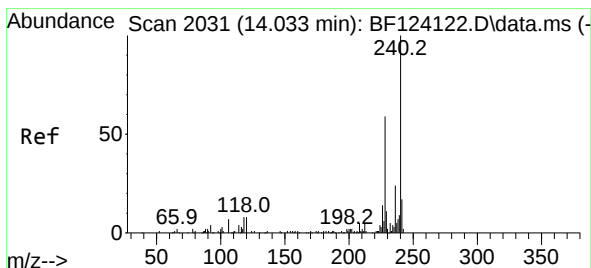
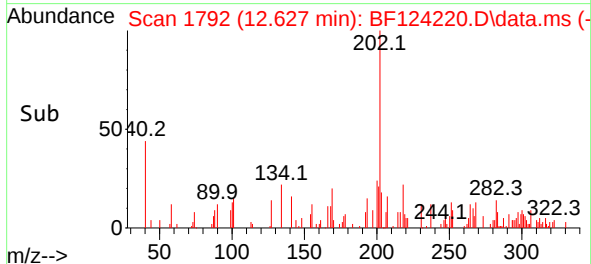
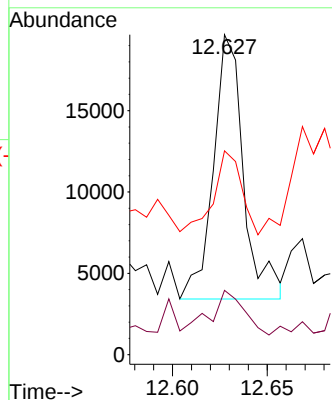
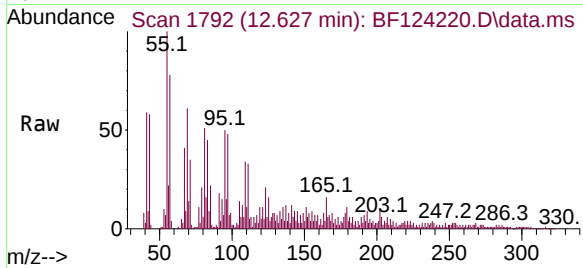




#75
Fluoranthene
Concen: 2.830 ng
RT: 12.627 min Scan# 1792
Delta R.T. 0.036 min
Lab File: BF124220.D
Acq: 9 Jun 2021 21:32

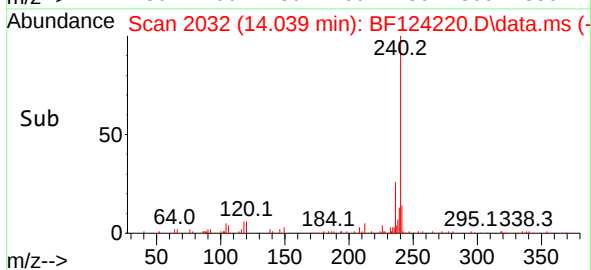
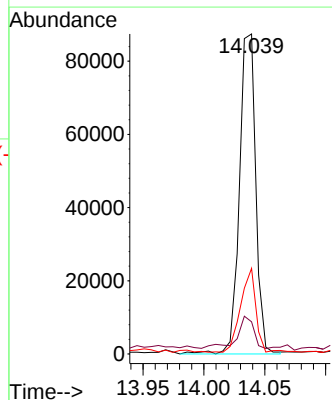
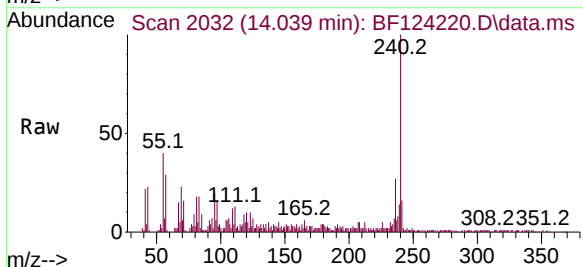
Instrument :
BNA_F
ClientSampled :
R44-STONE-2

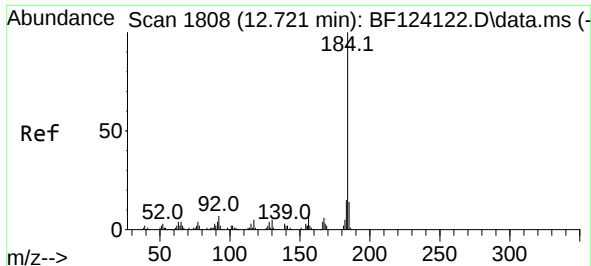
Tgt Ion:202 Resp: 18033
Ion Ratio Lower Upper
202 100
101 20.1 0.0 30.9
203 63.7 0.0 37.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.018 min
Lab File: BF124220.D
Acq: 9 Jun 2021 21:32

Tgt Ion:240 Resp: 81838
Ion Ratio Lower Upper
240 100
120 10.0 7.2 10.8
236 26.8 19.0 28.4

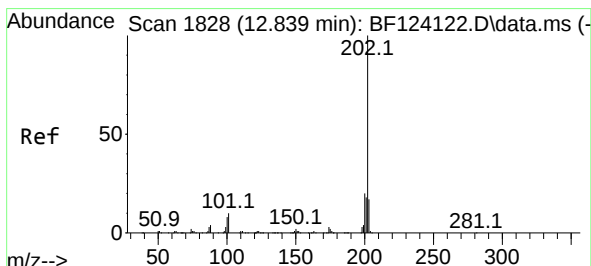
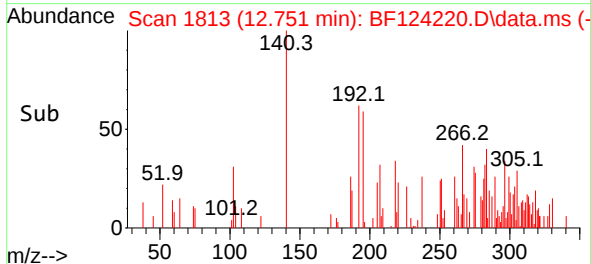
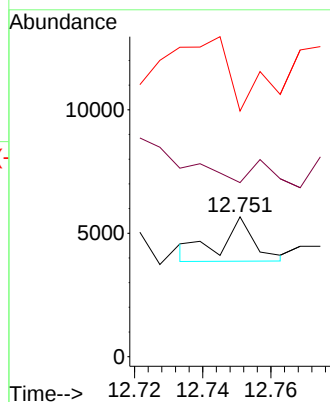
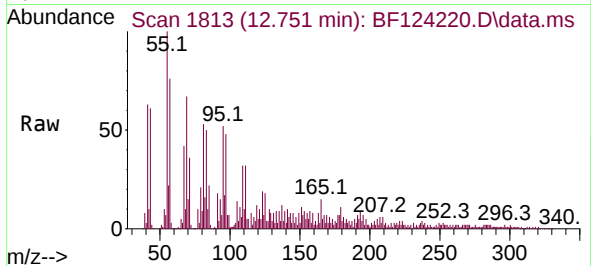




#77
Benzidine
Concen: 4.647 ng
RT: 12.751 min Scan# 1813
Delta R.T. 0.041 min
Lab File: BF124220.D
Acq: 9 Jun 2021 21:32

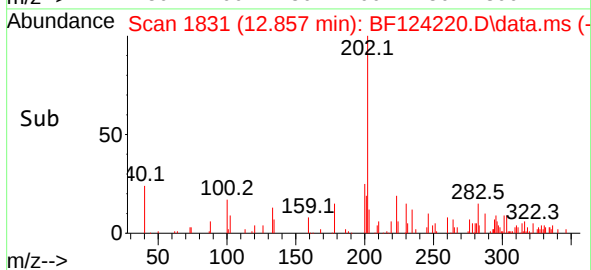
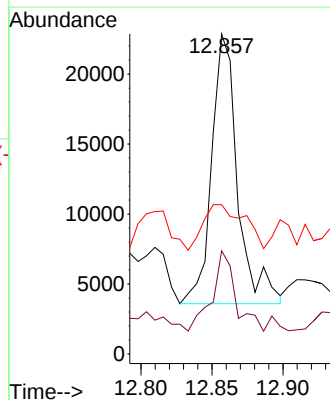
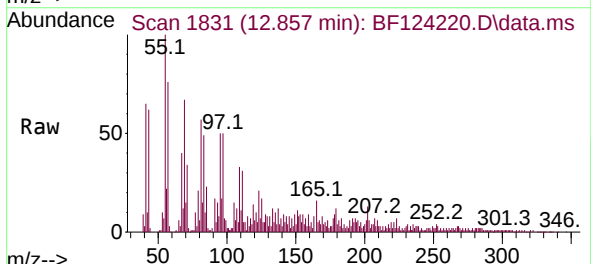
Instrument :
BNA_F
ClientSampleId :
R44-STONE-2

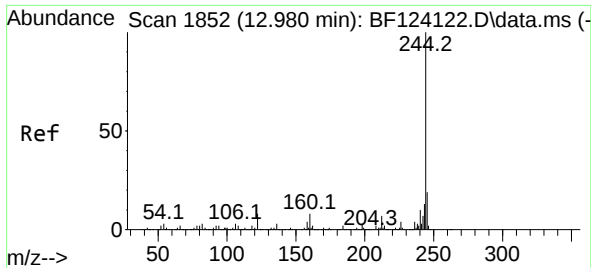
Tgt Ion:184 Resp: 1221
Ion Ratio Lower Upper
184 100
185 124.5 12.1 18.1#
183 175.7 7.8 11.8#



#78
Pyrene
Concen: 3.108 ng
RT: 12.857 min Scan# 1831
Delta R.T. 0.036 min
Lab File: BF124220.D
Acq: 9 Jun 2021 21:32

Tgt Ion:202 Resp: 24428
Ion Ratio Lower Upper
202 100
200 32.2 16.1 24.1#
203 46.6 14.8 22.2#

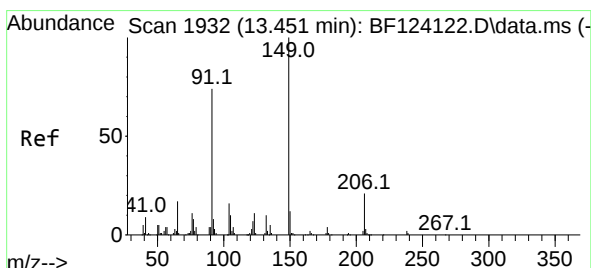
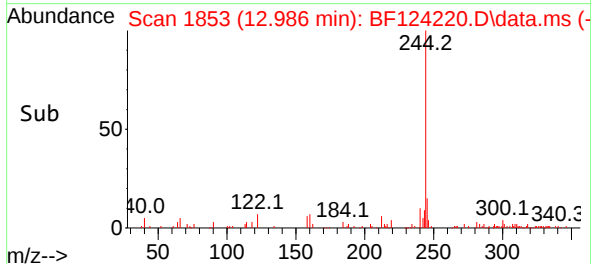
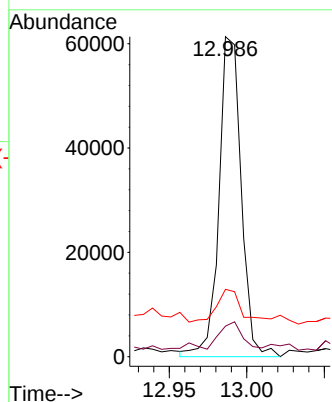
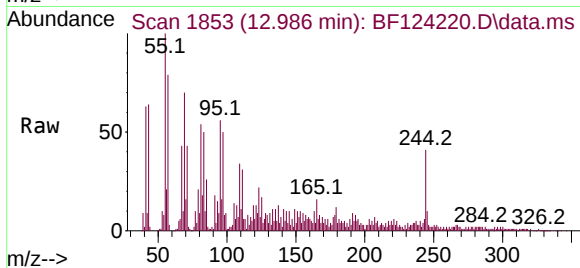




#79
Terphenyl-d14
Concen: 10.281 ng
RT: 12.986 min Scan# 1853
Delta R.T. 0.024 min
Lab File: BF124220.D
Acq: 9 Jun 2021 21:32

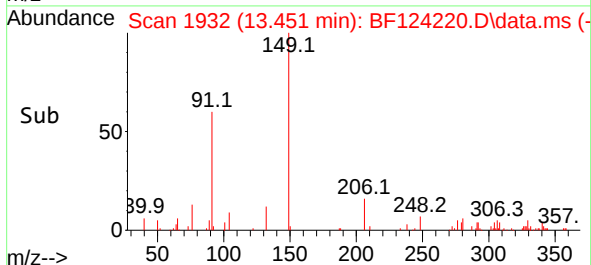
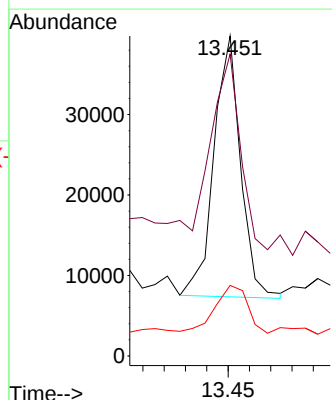
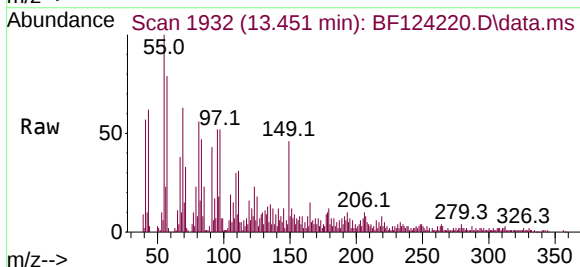
Instrument :
BNA_F
ClientSampleId :
R44-STONE-2

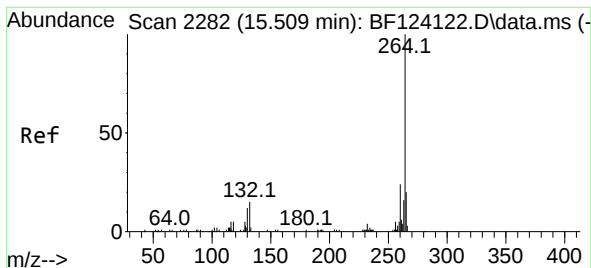
Tgt Ion:244 Resp: 61281
Ion Ratio Lower Upper
244 100
212 9.5 5.7 8.5#
122 21.1 9.7 14.5#



#80
Butylbenzylphthalate
Concen: 8.822 ng
RT: 13.451 min Scan# 1932
Delta R.T. 0.018 min
Lab File: BF124220.D
Acq: 9 Jun 2021 21:32

Tgt Ion:149 Resp: 28124
Ion Ratio Lower Upper
149 100
91 94.3 63.6 95.4
206 22.0 14.5 21.7#

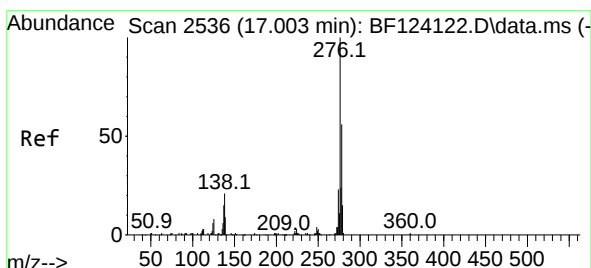
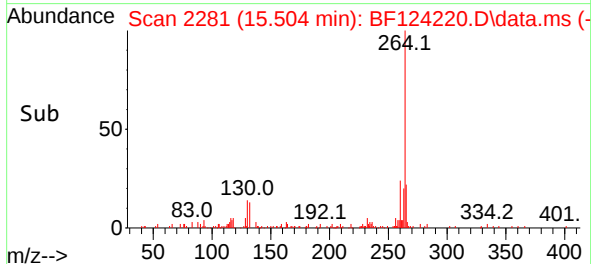
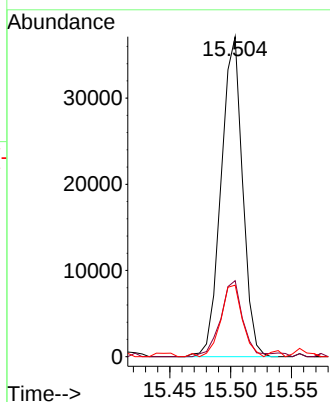
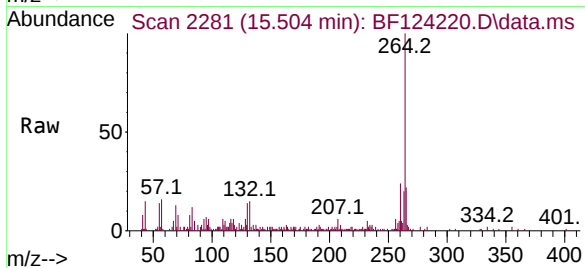




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2281
Delta R.T. 0.012 min
Lab File: BF124220.D
Acq: 9 Jun 2021 21:32

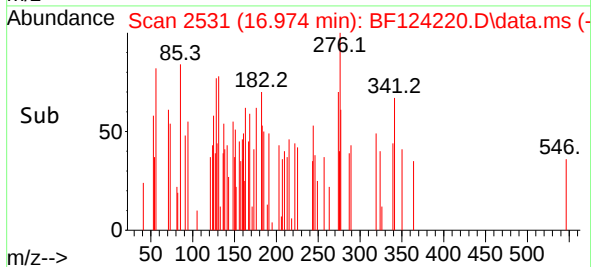
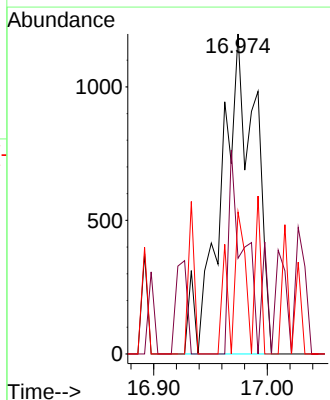
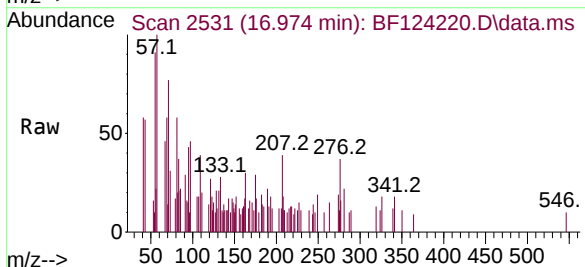
Instrument :
BNA_F
ClientSampleId :
R44-STONE-2

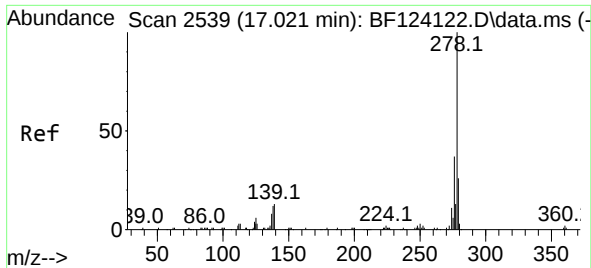
Tgt Ion:	264	Resp:	45460
Ion Ratio	Lower	Upper	
264	100		
260	23.8	18.7	28.1
265	22.4	17.8	26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.946 ng
RT: 16.974 min Scan# 2531
Delta R.T. -0.006 min
Lab File: BF124220.D
Acq: 9 Jun 2021 21:32

Tgt Ion:	276	Resp:	2539
Ion Ratio	Lower	Upper	
276	100		
138	26.9	16.2	24.2#
277	18.4	20.1	30.1#

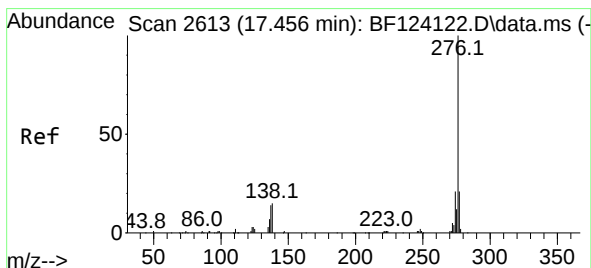
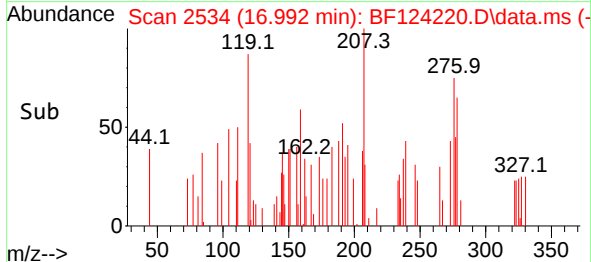
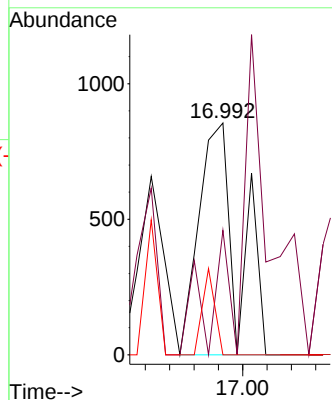
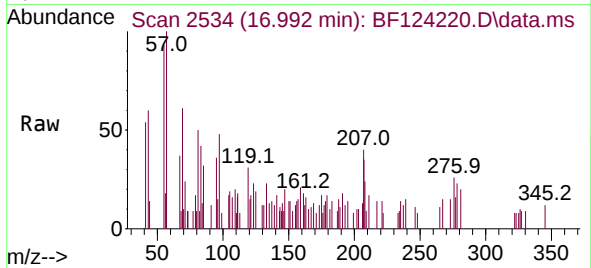




#91
Dibenzo(a,h)anthracene
Concen: 4.443 ng
RT: 16.992 min Scan# 2534
Delta R.T. 0.000 min
Lab File: BF124220.D
Acq: 9 Jun 2021 21:32

Instrument :
BNA_F
ClientSampleId :
R44-STONE-2

Tgt Ion:278 Resp: 949
Ion Ratio Lower Upper
278 100
139 53.7 10.2 15.2#
279 0.0 19.4 29.0#



#92
Benzo(g,h,i)perylene
Concen: 4.676 ng
RT: 17.433 min Scan# 2609
Delta R.T. 0.000 min
Lab File: BF124220.D
Acq: 9 Jun 2021 21:32

Tgt Ion:276 Resp: 3009
Ion Ratio Lower Upper
276 100
277 41.3 18.2 27.2#
138 40.1 13.8 20.6#

