

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092521\
 Data File : BF125666.D
 Acq On : 25 Sep 2021 20:11
 Operator : JU/CG
 Sample : M3941-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 124042

Quant Time: Sep 27 01:24:05 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 24 15:38:32 2021
 Response via : Initial Calibration

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

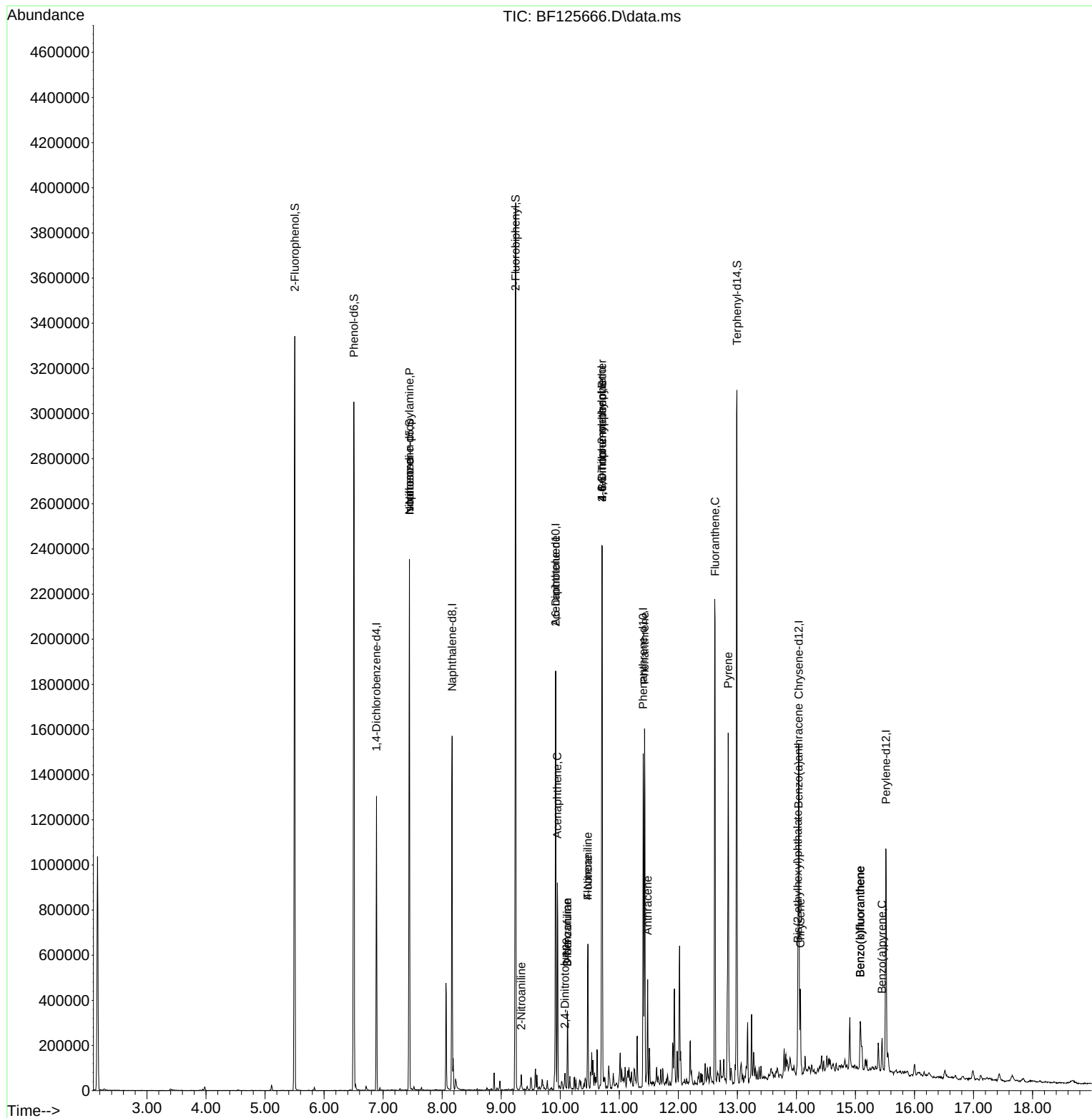
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	176390	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	708659	20.000	ng	# 0.00
39) Acenaphthene-d10	9.921	164	363214	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	538155	20.000	ng	# 0.00
76) Chrysene-d12	14.039	240	432153	20.000	ng	0.00
86) Perylene-d12	15.515	264	422996	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1016224	94.920	ng	0.00
7) Phenol-d6	6.504	99	1244762	86.481	ng	0.00
23) Nitrobenzene-d5	7.445	82	730310	71.881	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	315609	93.196	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1285274	59.582	ng	0.00
79) Terphenyl-d14	12.992	244	1078590	43.222	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.510	77	2090	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.445	70	90591	11.054	ng	# 51
25) Isophorone	7.445	82	730297	32.096	ng	# 59
48) 2-Nitroaniline	9.339	65	111	4.177	ng	# 1
51) 2,6-Dinitrotoluene	9.921	165	49283	13.156	ng	# 27
52) Acenaphthene	9.951	154	185491	8.863	ng	96
53) 3-Nitroaniline	10.121	138	1537	3.396	ng	# 9
55) Dibenzofuran	10.121	168	112655	3.588	ng	95
57) 2,4-Dinitrotoluene	10.080	165	3328	5.284	ng	# 29
58) Fluorene	10.469	166	166114	6.797	ng	99
62) 4-Nitroaniline	10.469	138	1826	2.210	ng	# 10
65) 4,6-Dinitro-2-methylph...	10.704	198	518	9.174	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	17573	3.112	ng	# 1
71) Phenanthrene	11.427	178	567312	18.799	ng	98
72) Anthracene	11.480	178	157738	5.290	ng	99
75) Fluoranthene	12.621	202	893000	27.688	ng	99
78) Pyrene	12.845	202	620276	15.882	ng	97
81) Benzo(a)anthracene	14.033	228	164881	5.617	ng	98
83) Chrysene	14.068	228	158763	5.389	ng	99
84) Bis(2-ethylhexyl)phtha...	14.021	149	66549	4.495	ng	99
88) Benzo(b)fluoranthene	15.080	252	164974	5.567	ng	96
89) Benzo(k)fluoranthene	15.080	252	164974	5.810	ng	# 95
90) Benzo(a)pyrene	15.451	252	69525	2.635	ng	97

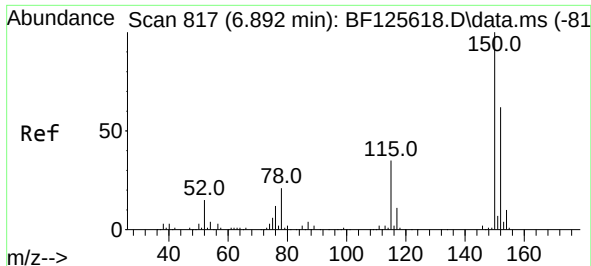
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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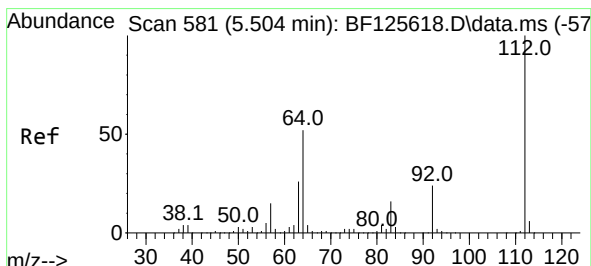
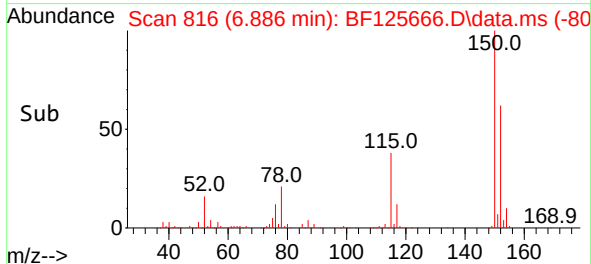
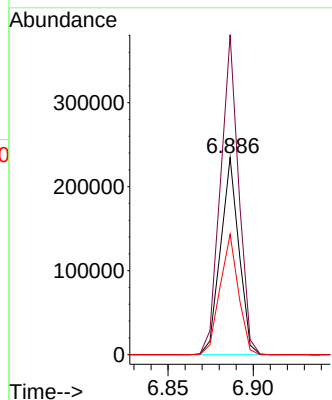
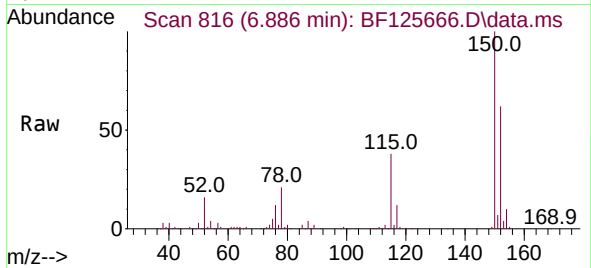




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF125666.D
Acq: 25 Sep 2021 20:11

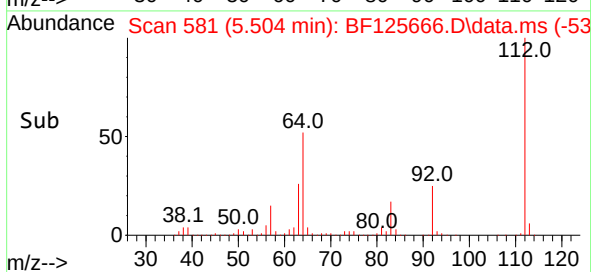
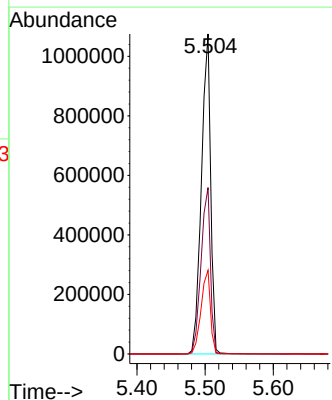
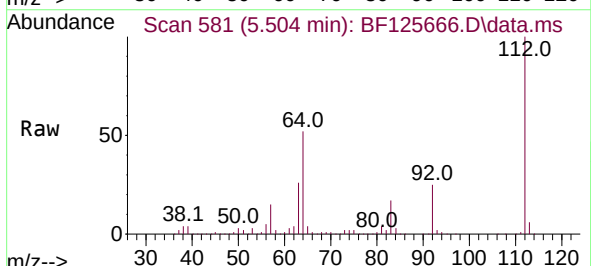
Instrument :
BNA_F
ClientSampleId :
124042

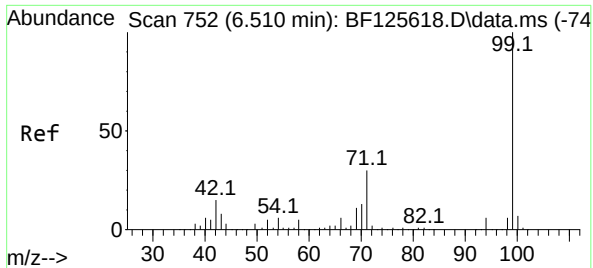
Tgt Ion:152 Resp: 176390
Ion Ratio Lower Upper
152 100
150 162.4 117.6 176.4
115 61.2 47.1 70.7



#5
2-Fluorophenol
Concen: 94.920 ng
RT: 5.504 min Scan# 581
Delta R.T. 0.000 min
Lab File: BF125666.D
Acq: 25 Sep 2021 20:11

Tgt Ion:112 Resp: 1016224
Ion Ratio Lower Upper
112 100
64 52.0 44.2 66.2
63 26.2 26.2 39.2

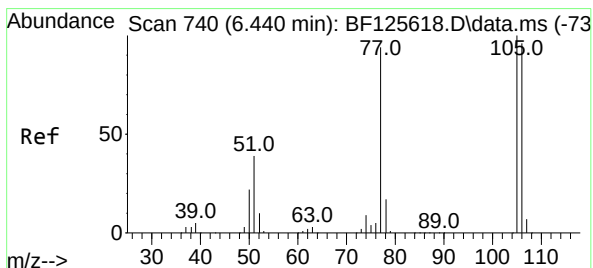
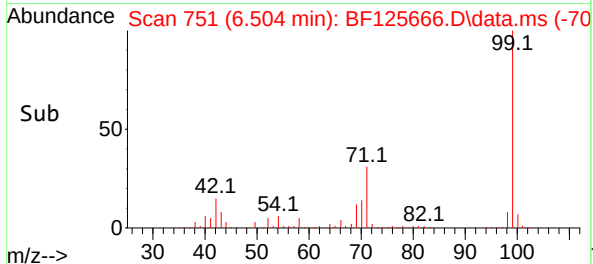
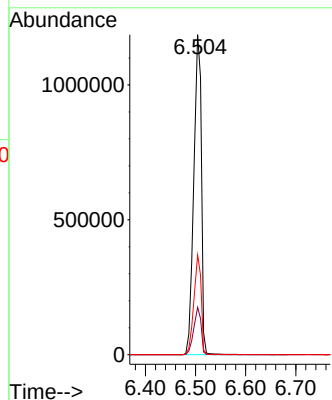
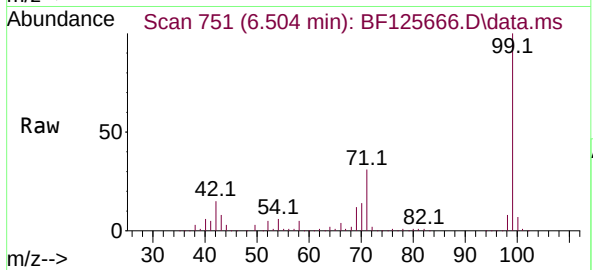




#7
Phenol-d6
Concen: 86.481 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF125666.D
Acq: 25 Sep 2021 20:11

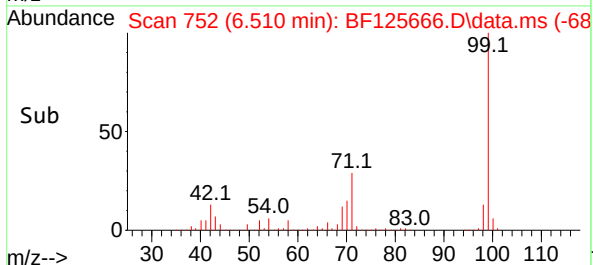
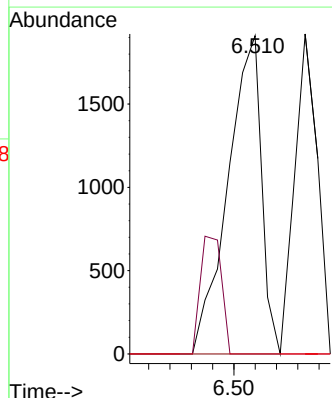
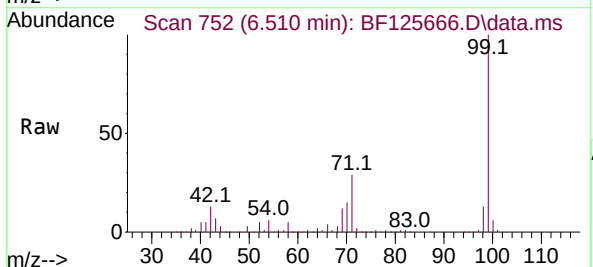
Instrument :
BNA_F
ClientSampleId :
124042

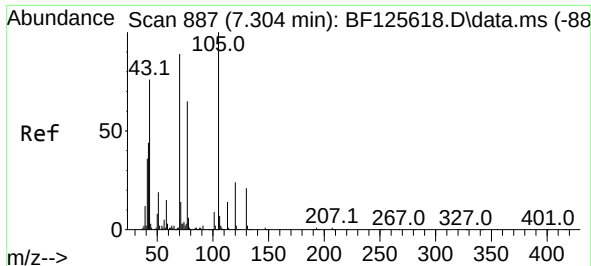
Tgt Ion: 99 Resp: 1244762
Ion Ratio Lower Upper
99 100
42 14.8 23.5 35.3#
71 31.2 25.6 38.4



#9
Benzaldehyde
Concen: Below Cal
RT: 6.510 min Scan# 752
Delta R.T. 0.070 min
Lab File: BF125666.D
Acq: 25 Sep 2021 20:11

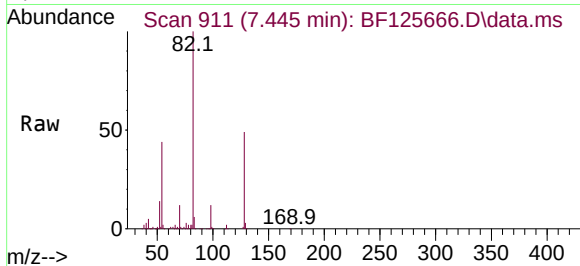
Tgt Ion: 77 Resp: 2090
Ion Ratio Lower Upper
77 100
105 0.0 75.9 115.9#
106 0.0 84.0 124.0#



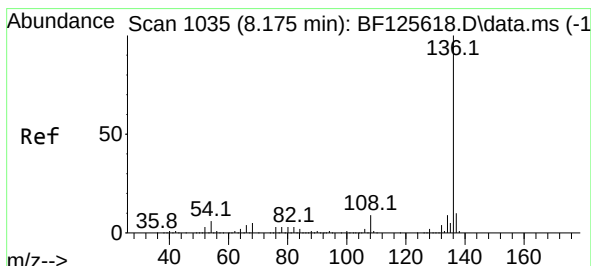
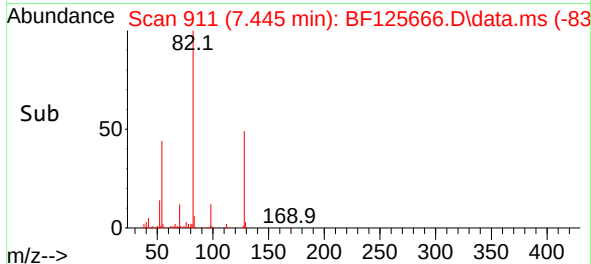
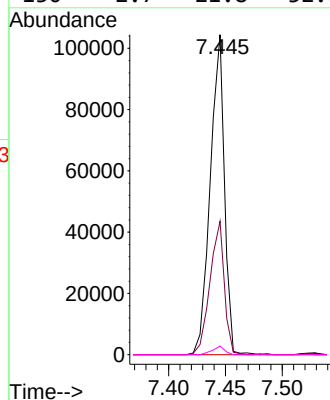


#19
n-Nitroso-di-n-propylamine
Concen: 11.054 ng
RT: 7.445 min Scan# 911
Delta R.T. 0.141 min
Lab File: BF125666.D
Acq: 25 Sep 2021 20:11

Instrument :
BNA_F
ClientSampled :
124042

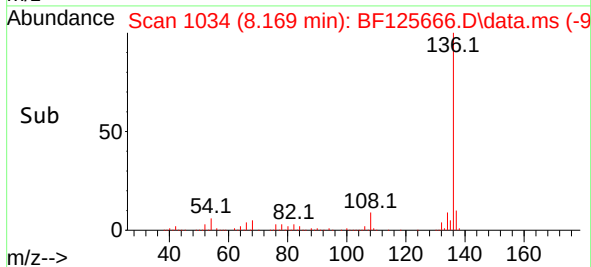
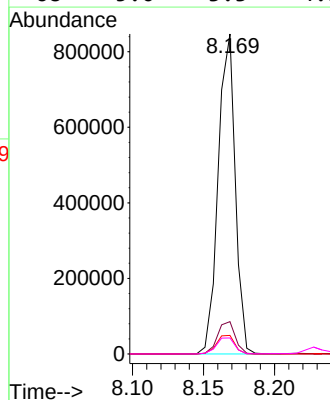
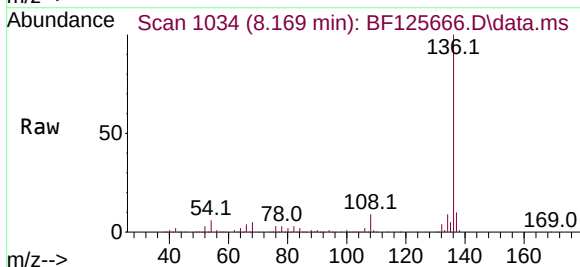


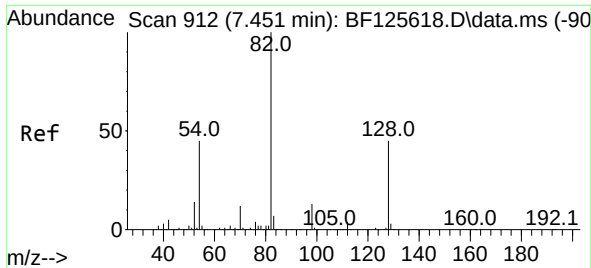
Tgt Ion: 70 Resp: 90591
Ion Ratio Lower Upper
70 100
42 41.7 72.2 108.2#
101 0.0 7.8 11.8#
130 2.7 21.8 32.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF125666.D
Acq: 25 Sep 2021 20:11

Tgt Ion: 136 Resp: 708659
Ion Ratio Lower Upper
136 100
137 10.1 9.8 14.6
54 5.8 6.4 9.6#
68 5.0 3.3 4.9#

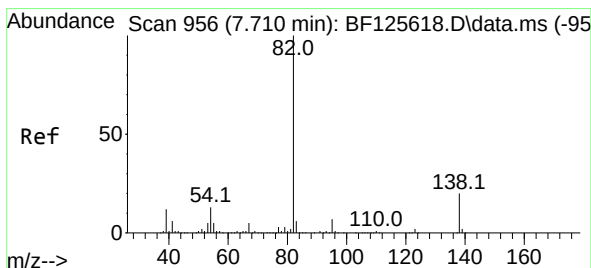
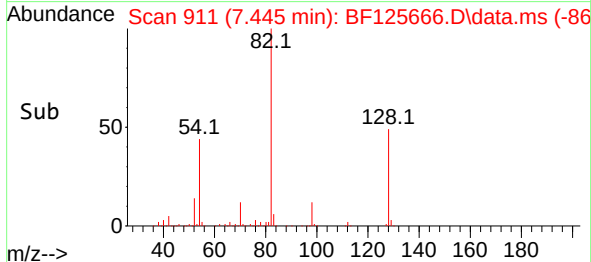
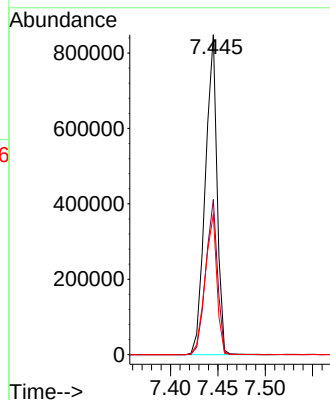
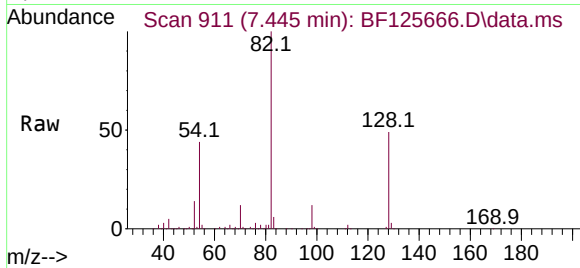




#23
Nitrobenzene-d5
Concen: 71.881 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF125666.D
Acq: 25 Sep 2021 20:11

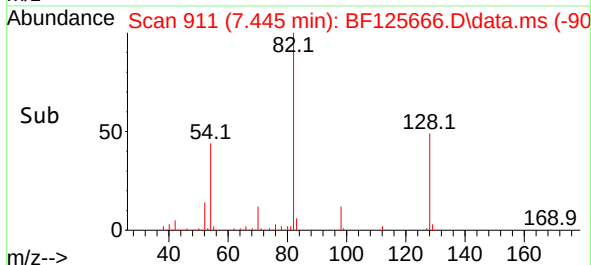
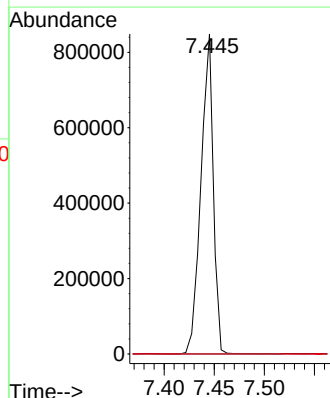
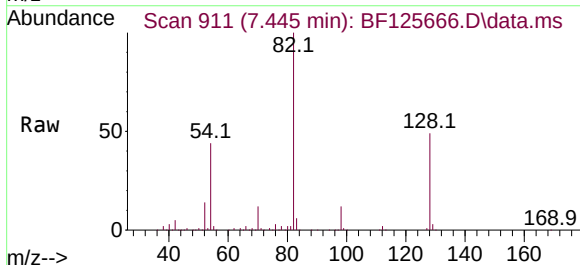
Instrument :
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ClientSampleId :
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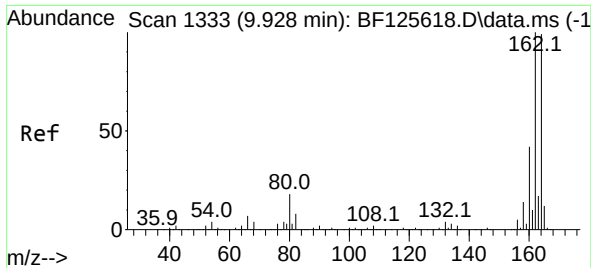
Tgt Ion: 82 Resp: 730310
Ion Ratio Lower Upper
82 100
128 48.5 40.6 60.8
54 43.8 49.6 74.4#



#25
Isophorone
Concen: 32.096 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.265 min
Lab File: BF125666.D
Acq: 25 Sep 2021 20:11

Tgt Ion: 82 Resp: 730297
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#

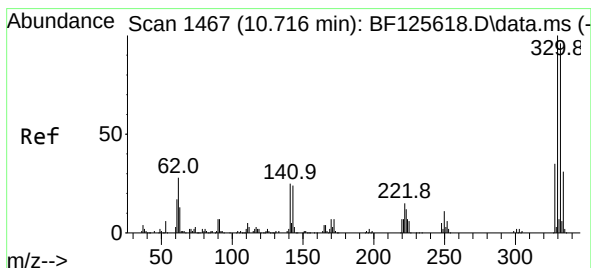
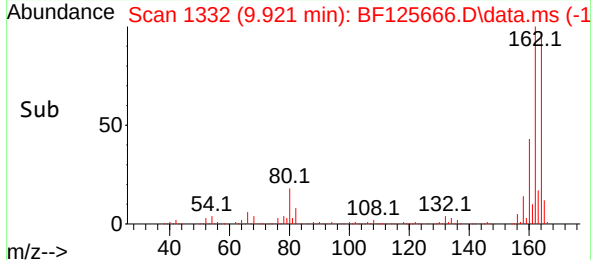
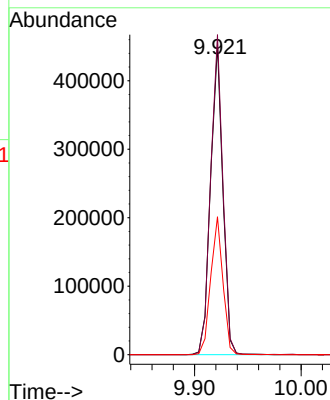
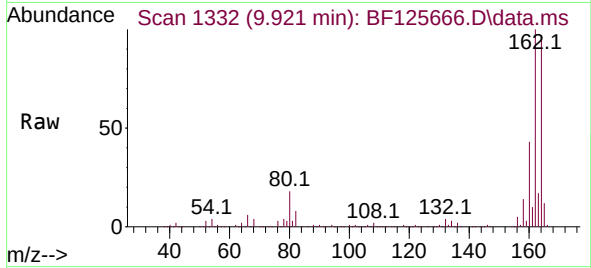




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.921 min Scan# 1332
Delta R.T. -0.007 min
Lab File: BF125666.D
Acq: 25 Sep 2021 20:11

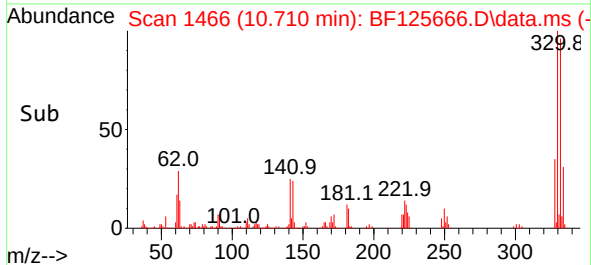
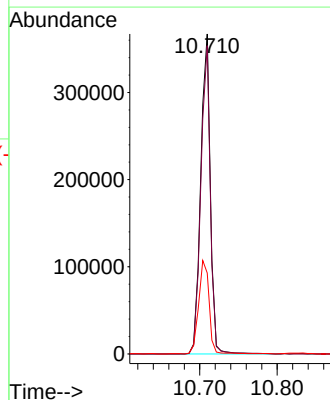
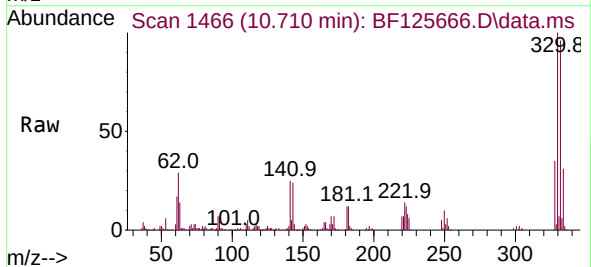
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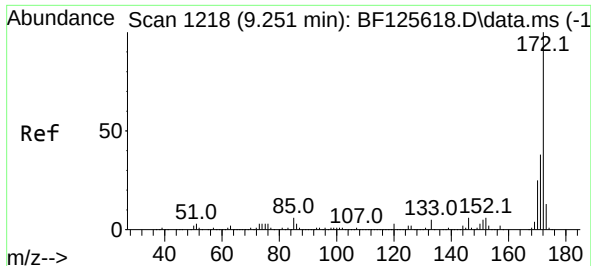
Tgt Ion:164 Resp: 363214
Ion Ratio Lower Upper
164 100
162 103.4 81.3 121.9
160 44.6 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 93.196 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF125666.D
Acq: 25 Sep 2021 20:11

Tgt Ion:330 Resp: 315609
Ion Ratio Lower Upper
330 100
332 95.4 76.2 114.4
141 32.2 44.6 66.8#

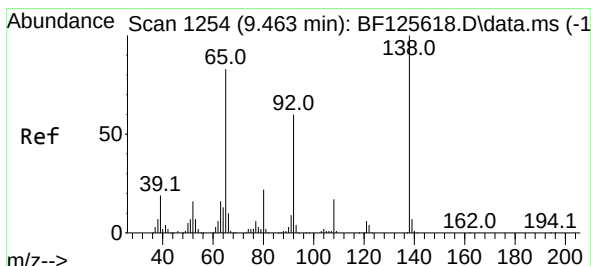
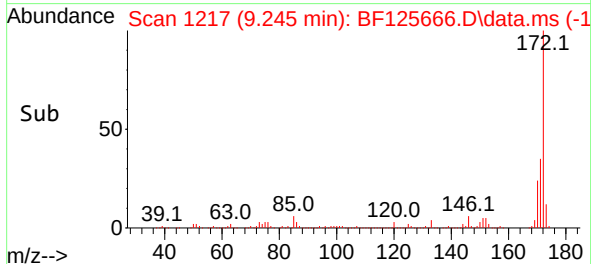
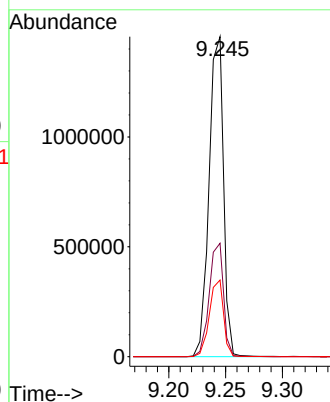
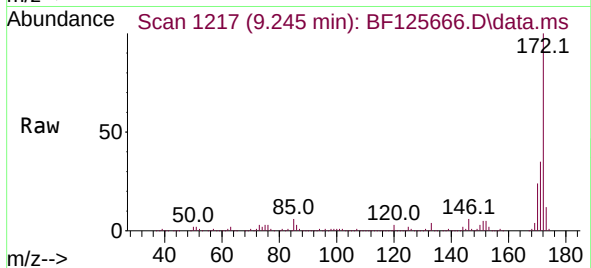




#45
2-Fluorobiphenyl
Concen: 59.582 ng
RT: 9.245 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF125666.D
Acq: 25 Sep 2021 20:11

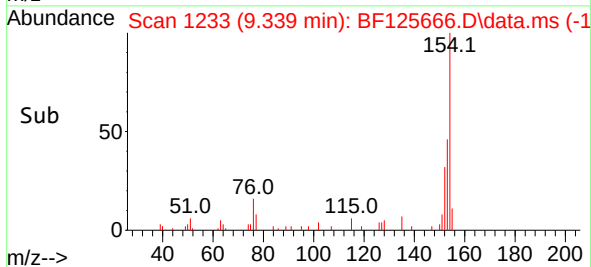
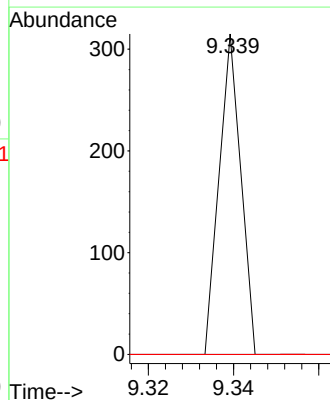
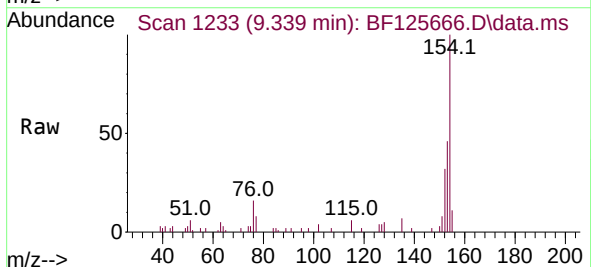
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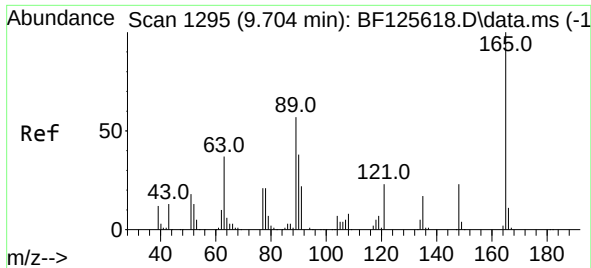
Tgt Ion:172 Resp: 1285274
Ion Ratio Lower Upper
172 100
171 35.5 26.5 39.7
170 23.9 18.8 28.2



#48
2-Nitroaniline
Concen: 4.177 ng
RT: 9.339 min Scan# 1233
Delta R.T. -0.124 min
Lab File: BF125666.D
Acq: 25 Sep 2021 20:11

Tgt Ion: 65 Resp: 111
Ion Ratio Lower Upper
65 100
92 0.0 55.5 83.3#
138 0.0 93.5 140.3#

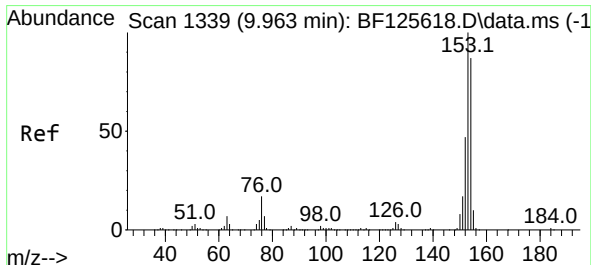
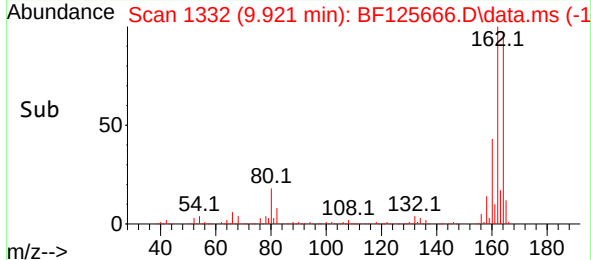
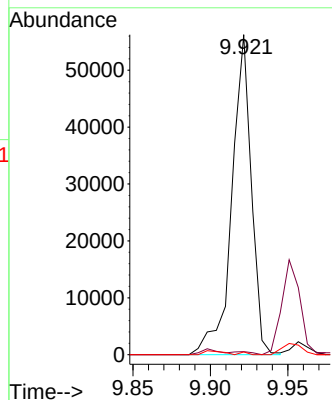
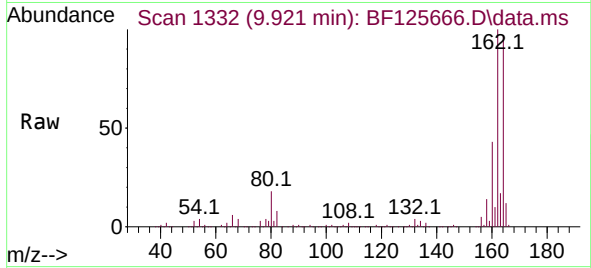




#51
2,6-Dinitrotoluene
Concen: 13.156 ng
RT: 9.921 min Scan# 1332
Delta R.T. 0.217 min
Lab File: BF125666.D
Acq: 25 Sep 2021 20:11

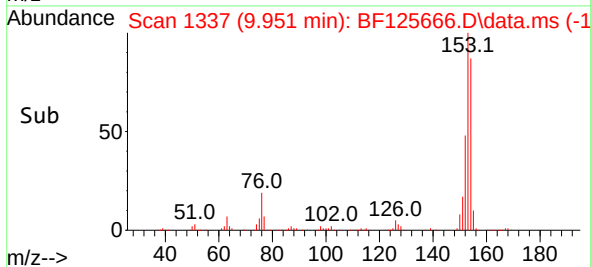
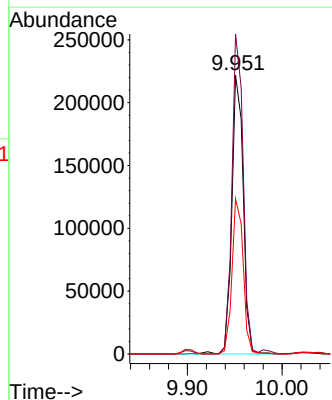
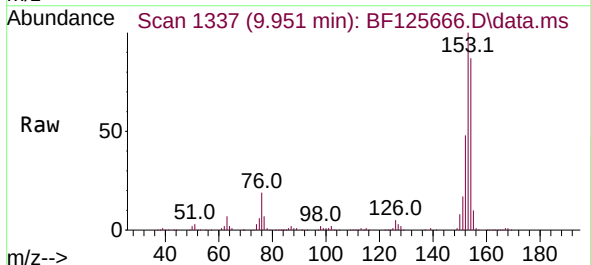
Instrument :
BNA_F
ClientSampled :
124042

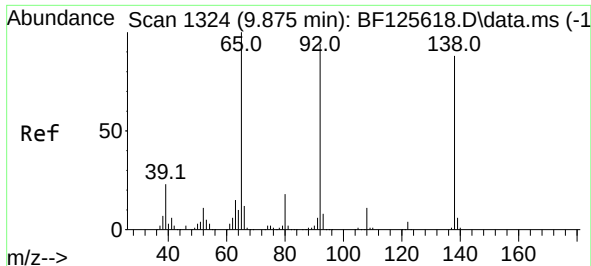
Tgt Ion:165 Resp: 49283
Ion Ratio Lower Upper
165 100
63 0.9 42.6 63.8#
89 0.9 40.6 60.8#



#52
Acenaphthene
Concen: 8.863 ng
RT: 9.951 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF125666.D
Acq: 25 Sep 2021 20:11

Tgt Ion:154 Resp: 185491
Ion Ratio Lower Upper
154 100
153 114.8 89.4 134.2
152 55.7 40.5 60.7

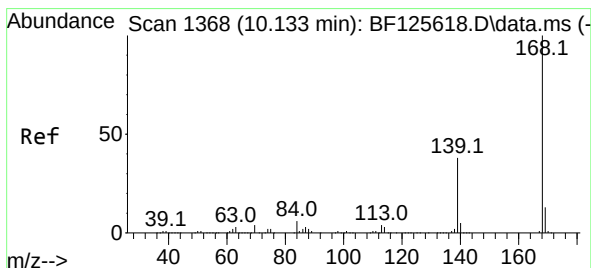
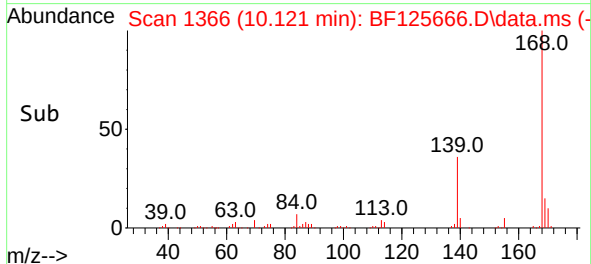
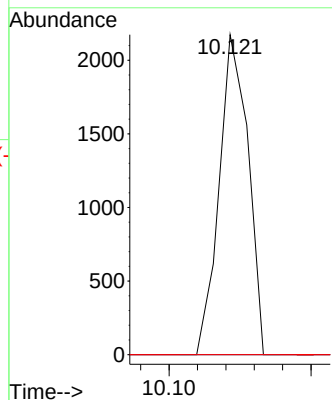
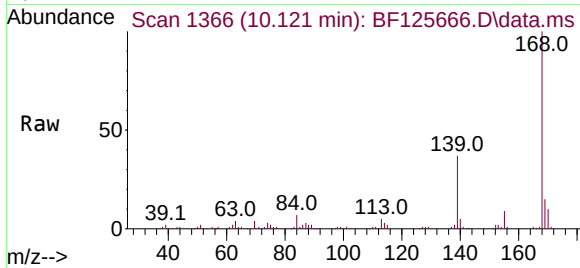




#53
3-Nitroaniline
Concen: 3.396 ng
RT: 10.121 min Scan# 1366
Delta R.T. 0.246 min
Lab File: BF125666.D
Acq: 25 Sep 2021 20:11

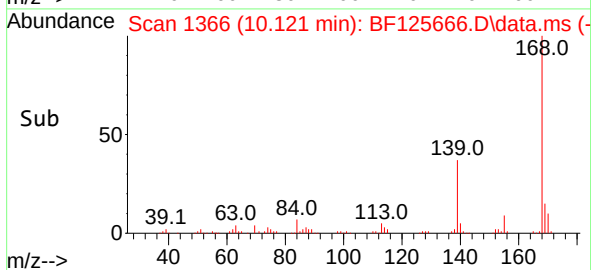
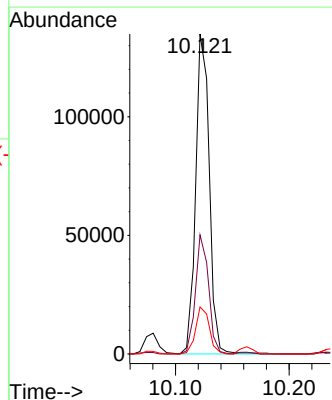
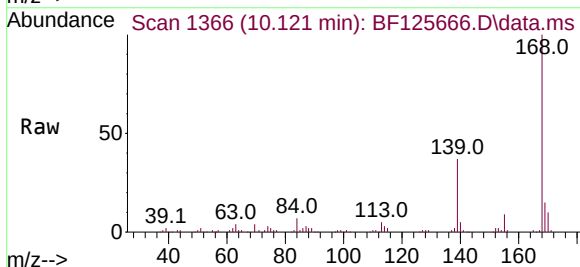
Instrument :
BNA_F
ClientSampled :
124042

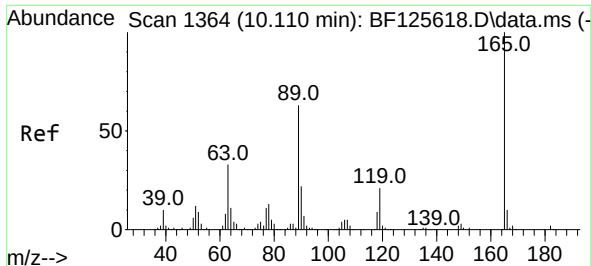
Tgt Ion:138 Resp: 1537
Ion Ratio Lower Upper
138 100
108 0.0 9.3 13.9#
92 0.0 76.5 114.7#



#55
Dibenzofuran
Concen: 3.588 ng
RT: 10.121 min Scan# 1366
Delta R.T. -0.012 min
Lab File: BF125666.D
Acq: 25 Sep 2021 20:11

Tgt Ion:168 Resp: 112655
Ion Ratio Lower Upper
168 100
139 37.2 32.7 49.1
169 14.7 11.2 16.8

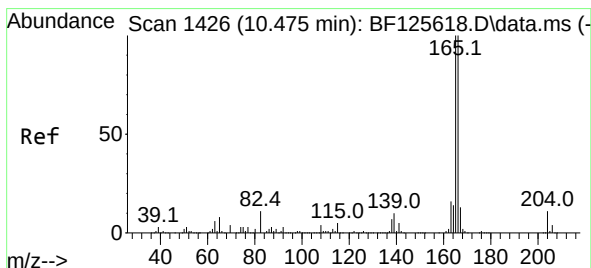
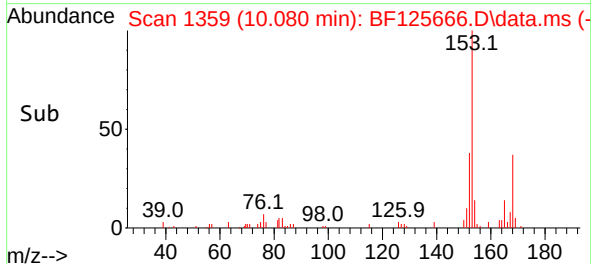
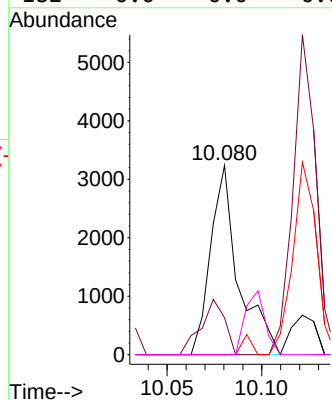
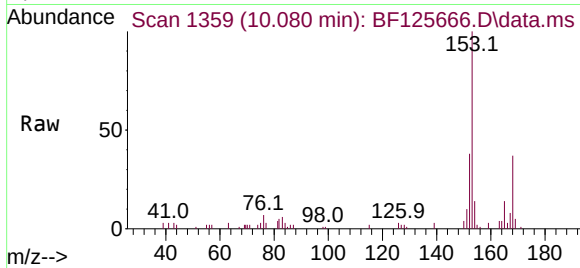




#57
2,4-Dinitrotoluene
Concen: 5.284 ng
RT: 10.080 min Scan# 1359
Delta R.T. -0.030 min
Lab File: BF125666.D
Acq: 25 Sep 2021 20:11

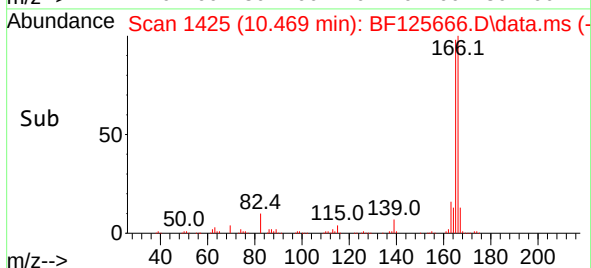
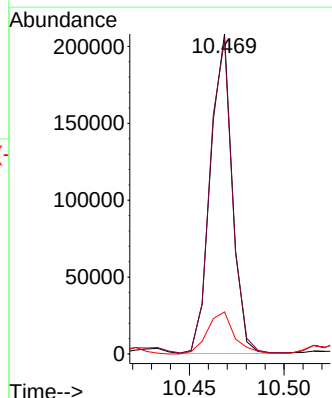
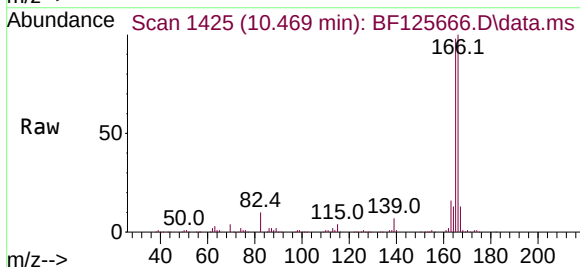
Instrument :
BNA_F
ClientSampled :
124042

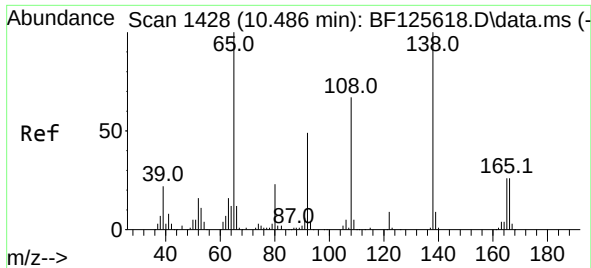
Tgt Ion:165	Resp:	3328
Ion Ratio	Lower	Upper
165	100	
63	19.5	40.9 61.3#
89	0.0	59.7 89.5#
182	0.0	0.0 0.0



#58
Fluorene
Concen: 6.797 ng
RT: 10.469 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF125666.D
Acq: 25 Sep 2021 20:11

Tgt Ion:166	Resp:	166114
Ion Ratio	Lower	Upper
166	100	
165	98.2	78.1 117.1
167	13.2	11.1 16.7

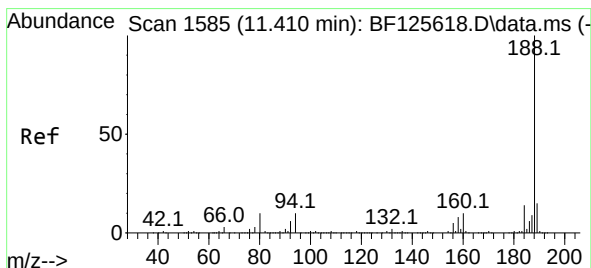
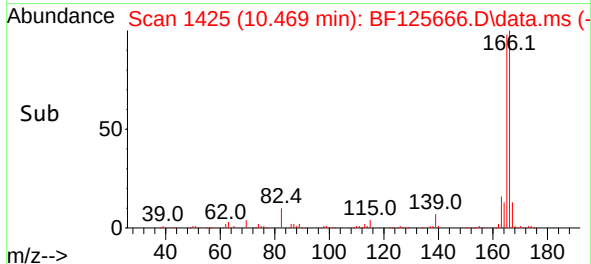
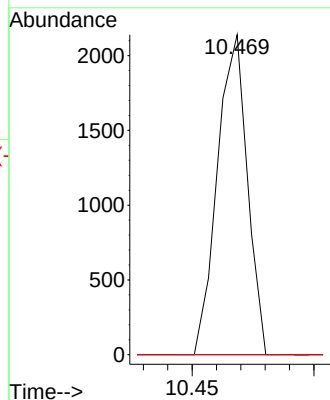
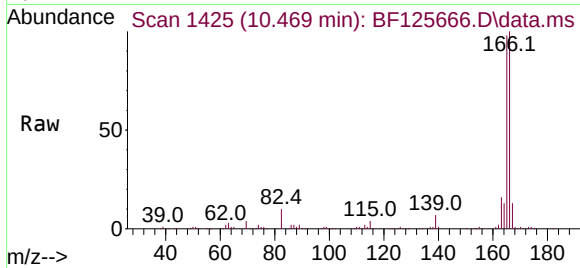




#62
4-Nitroaniline
Concen: 2.210 ng
RT: 10.469 min Scan# 1425
Delta R.T. -0.018 min
Lab File: BF125666.D
Acq: 25 Sep 2021 20:11

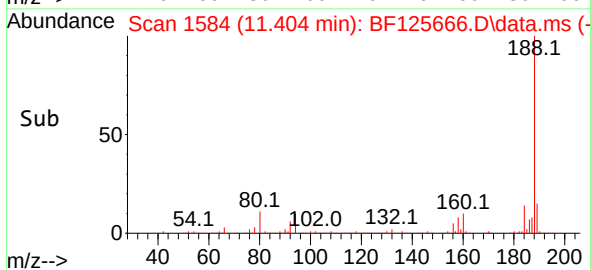
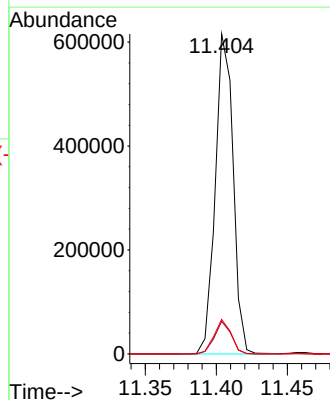
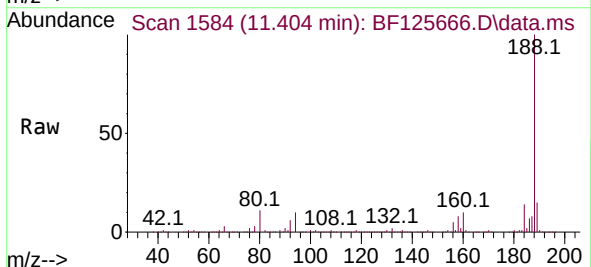
Instrument :
BNA_F
ClientSampled :
124042

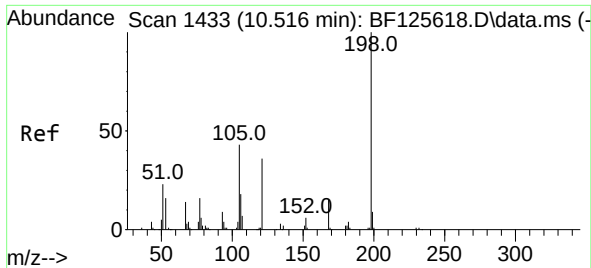
Tgt Ion:138 Resp: 1826
Ion Ratio Lower Upper
138 100
92 0.0 29.6 69.6#
108 0.0 78.1 118.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF125666.D
Acq: 25 Sep 2021 20:11

Tgt Ion:188 Resp: 538155
Ion Ratio Lower Upper
188 100
94 10.2 6.7 10.1#
80 10.8 7.5 11.3

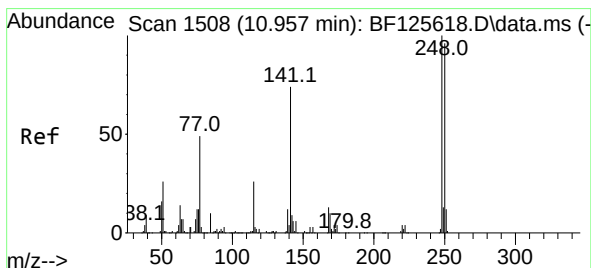
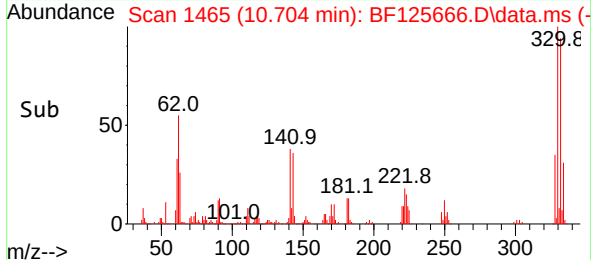
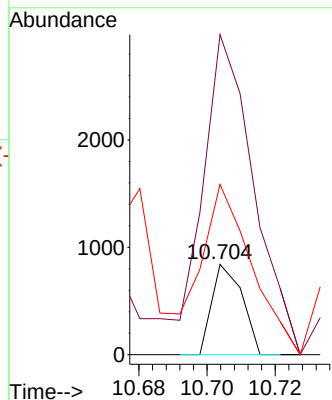
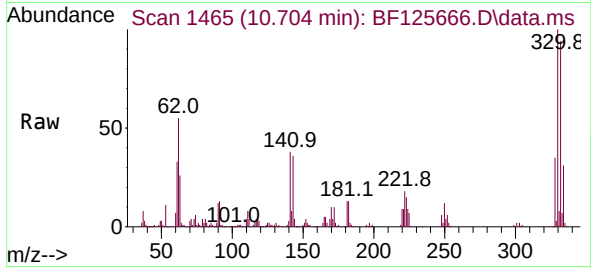




#65
4,6-Dinitro-2-methylphenol
Concen: 9.174 ng
RT: 10.704 min Scan# 1465
Delta R.T. 0.188 min
Lab File: BF125666.D
Acq: 25 Sep 2021 20:11

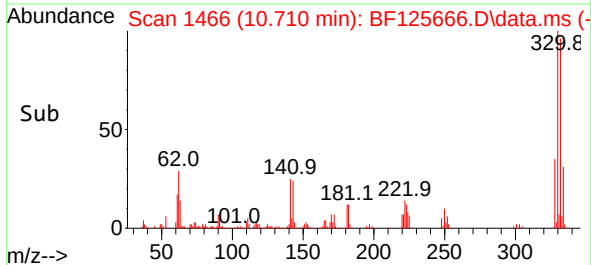
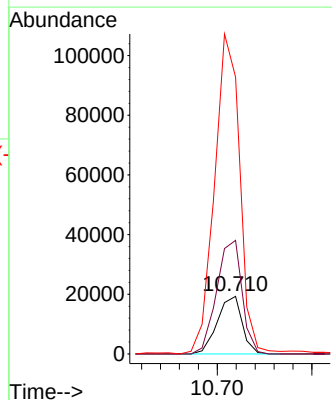
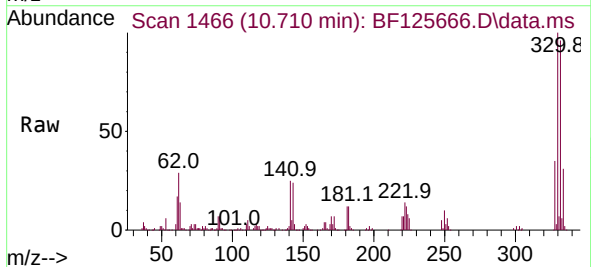
Instrument :
BNA_F
ClientSampled :
124042

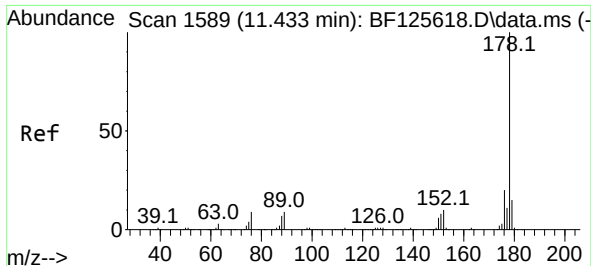
Tgt Ion:198 Resp: 518
Ion Ratio Lower Upper
198 100
51 354.3 45.3 85.3#
105 188.6 30.6 70.6#



#67
4-Bromophenyl-phenylether
Concen: 3.112 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.247 min
Lab File: BF125666.D
Acq: 25 Sep 2021 20:11

Tgt Ion:248 Resp: 17573
Ion Ratio Lower Upper
248 100
250 196.9 74.2 111.4#
141 480.3 60.4 90.6#

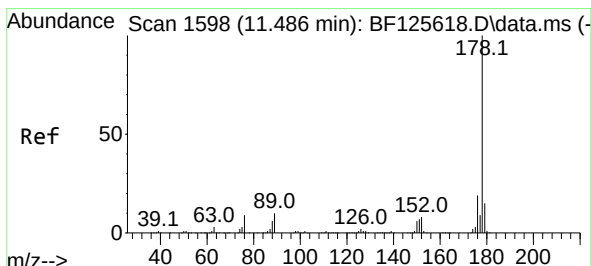
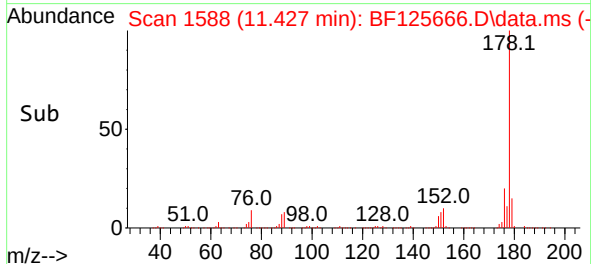
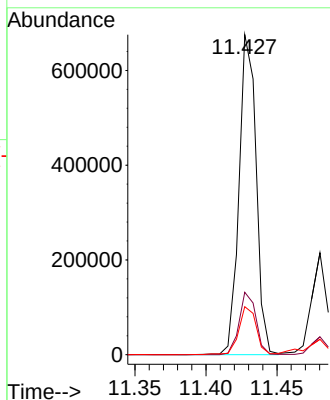
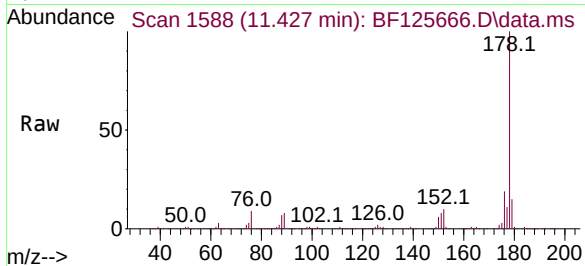




#71
Phenanthrene
Concen: 18.799 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF125666.D
Acq: 25 Sep 2021 20:11

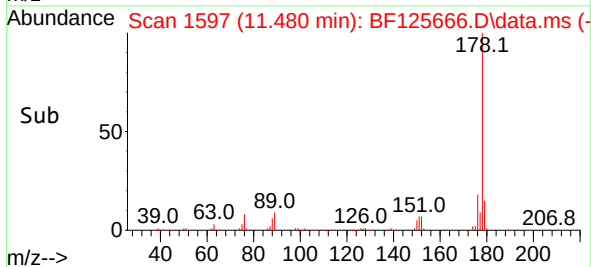
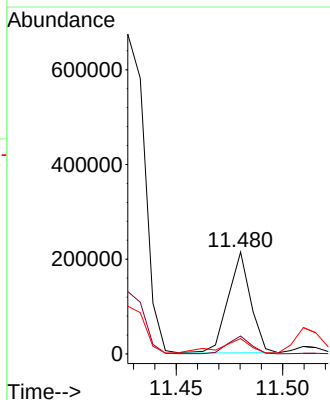
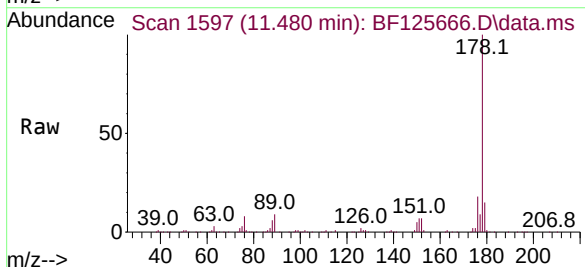
Instrument :
BNA_F
ClientSampleId :
124042

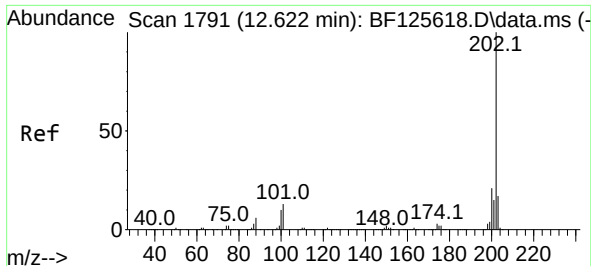
Tgt Ion:178 Resp: 567312
Ion Ratio Lower Upper
178 100
176 19.5 14.7 22.1
179 15.0 11.5 17.3



#72
Anthracene
Concen: 5.290 ng
RT: 11.480 min Scan# 1597
Delta R.T. -0.006 min
Lab File: BF125666.D
Acq: 25 Sep 2021 20:11

Tgt Ion:178 Resp: 157738
Ion Ratio Lower Upper
178 100
176 17.6 14.3 21.5
179 15.1 12.2 18.4

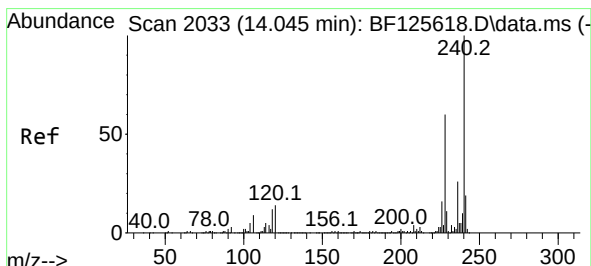
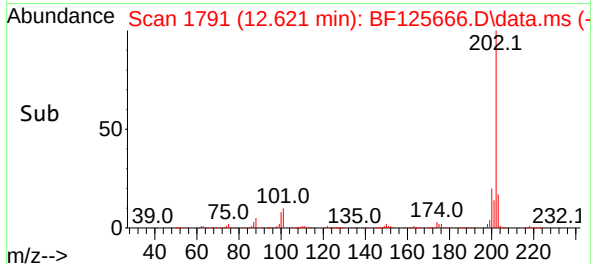
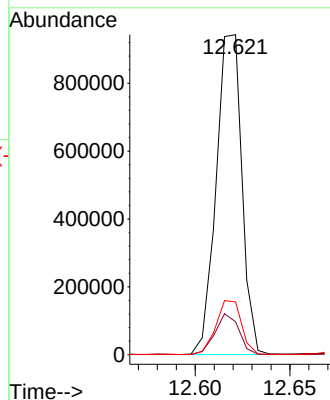
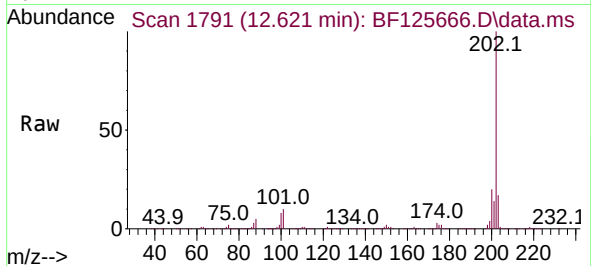




#75
Fluoranthene
Concen: 27.688 ng
RT: 12.621 min Scan# 1791
Delta R.T. -0.001 min
Lab File: BF125666.D
Acq: 25 Sep 2021 20:11

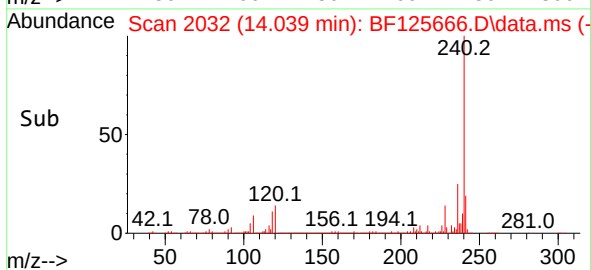
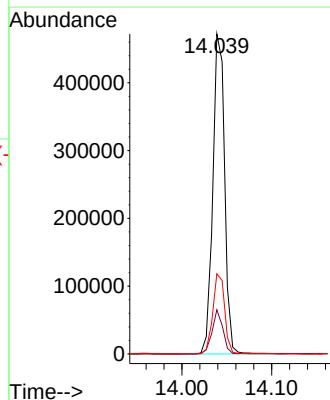
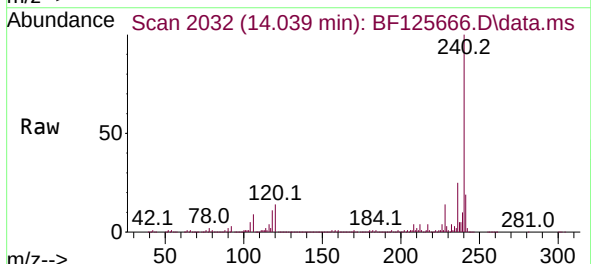
Instrument :
BNA_F
ClientSampleId :
124042

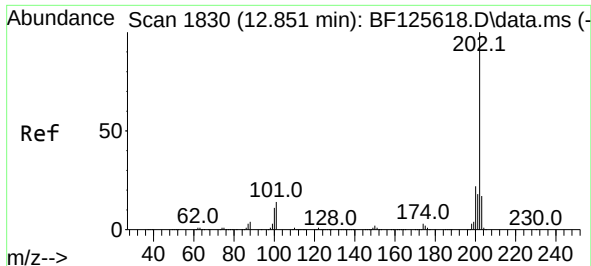
Tgt Ion:202 Resp: 893000
Ion Ratio Lower Upper
202 100
101 10.3 0.0 30.7
203 16.5 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF125666.D
Acq: 25 Sep 2021 20:11

Tgt Ion:240 Resp: 432153
Ion Ratio Lower Upper
240 100
120 13.8 10.8 16.2
236 25.1 21.6 32.4

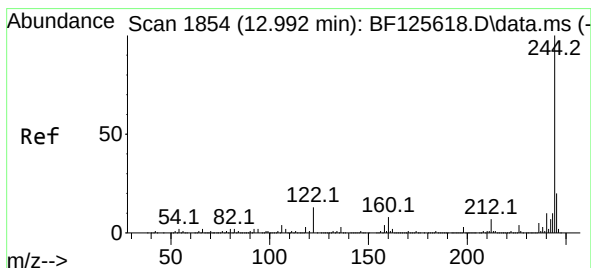
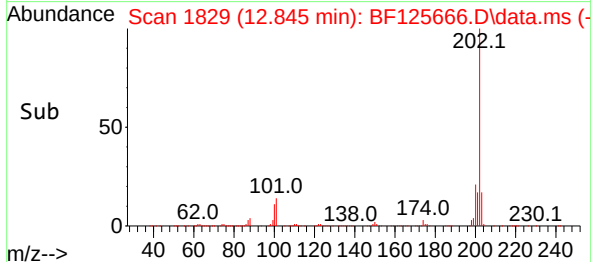
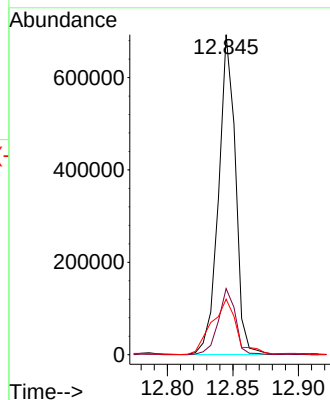
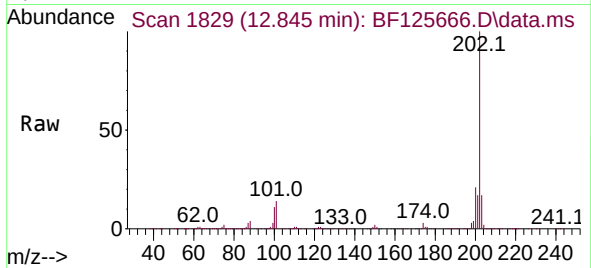




#78
Pyrene
Concen: 15.882 ng
RT: 12.845 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF125666.D
Acq: 25 Sep 2021 20:11

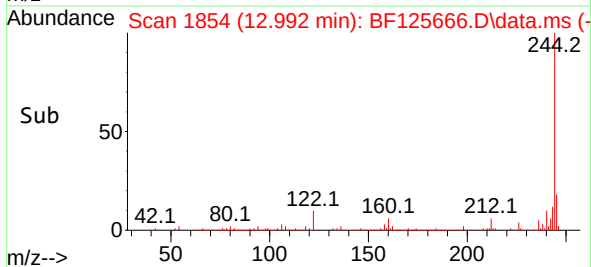
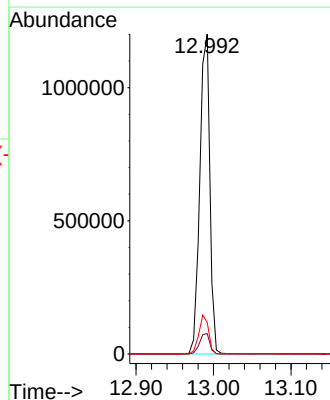
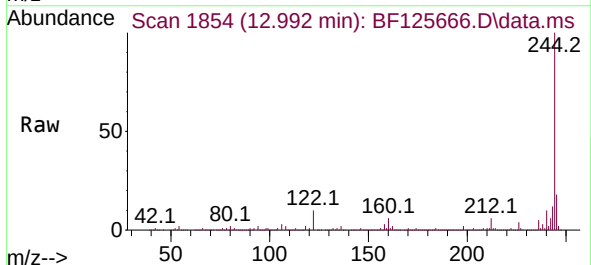
Instrument :
BNA_F
ClientSampleId :
124042

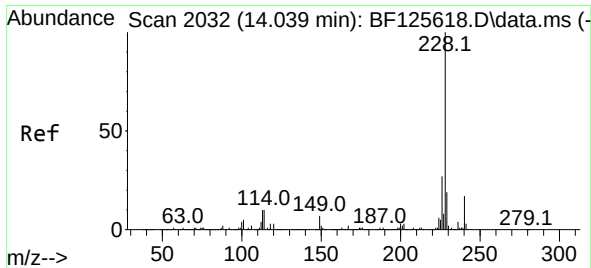
Tgt Ion:202 Resp: 620276
Ion Ratio Lower Upper
202 100
200 20.7 15.3 22.9
203 17.4 13.4 20.0



#79
Terphenyl-d14
Concen: 43.222 ng
RT: 12.992 min Scan# 1854
Delta R.T. -0.000 min
Lab File: BF125666.D
Acq: 25 Sep 2021 20:11

Tgt Ion:244 Resp: 1078590
Ion Ratio Lower Upper
244 100
212 6.3 5.9 8.9
122 9.8 9.0 13.4

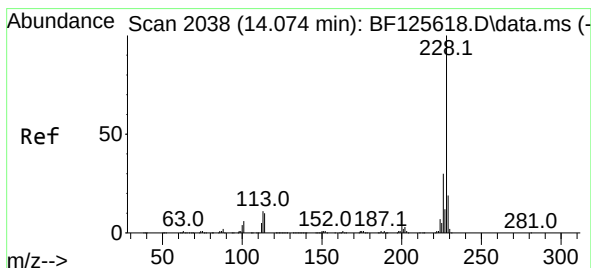
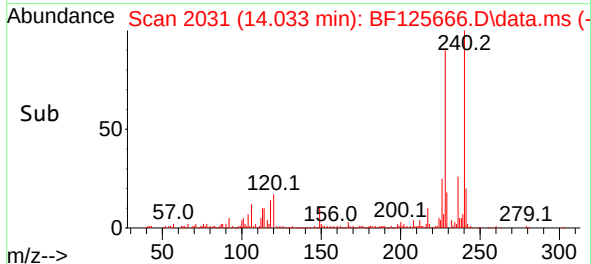
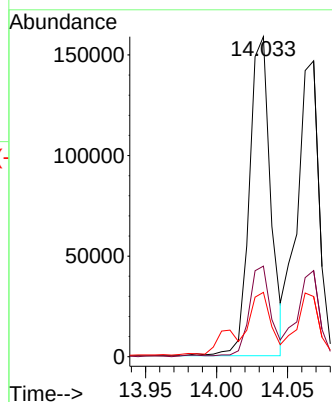
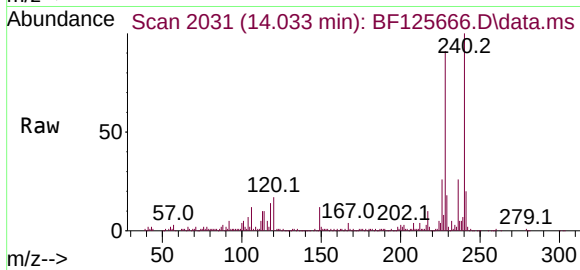




#81
Benzo(a)anthracene
Concen: 5.617 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF125666.D
Acq: 25 Sep 2021 20:11

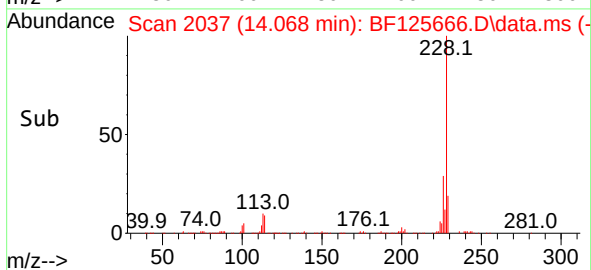
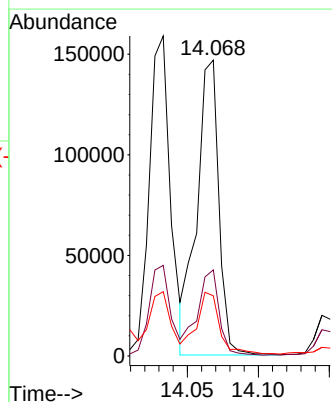
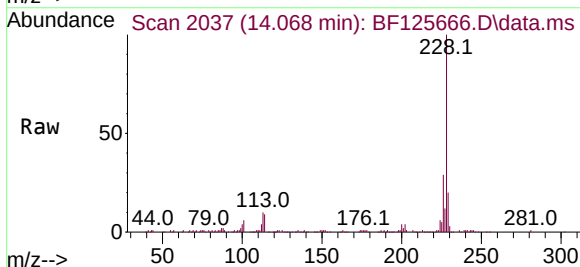
Instrument :
BNA_F
ClientSampleId :
124042

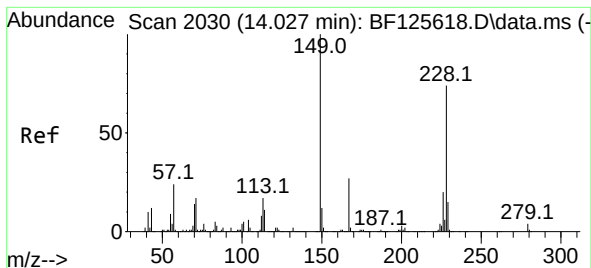
Tgt Ion:228 Resp: 164881
Ion Ratio Lower Upper
228 100
226 28.3 21.6 32.4
229 20.1 15.6 23.4



#83
Chrysene
Concen: 5.389 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF125666.D
Acq: 25 Sep 2021 20:11

Tgt Ion:228 Resp: 158763
Ion Ratio Lower Upper
228 100
226 29.1 22.6 34.0
229 20.3 15.9 23.9

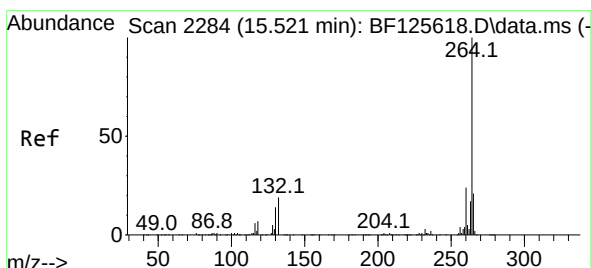
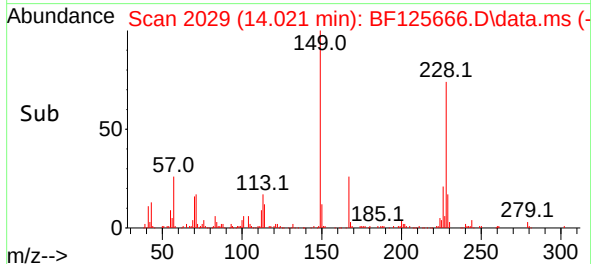
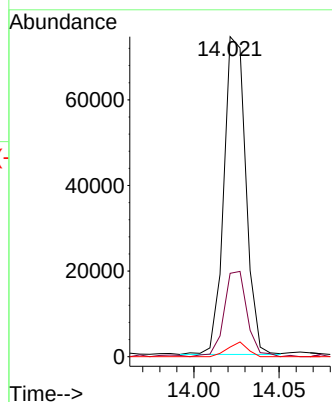
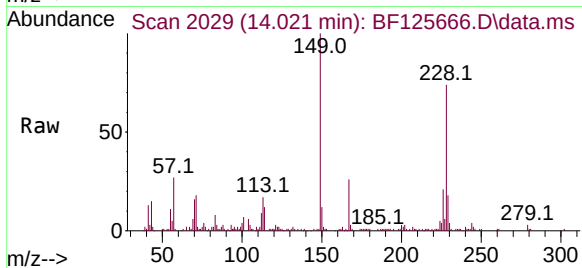




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.495 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF125666.D
Acq: 25 Sep 2021 20:11

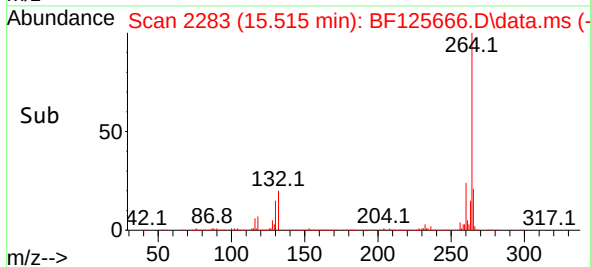
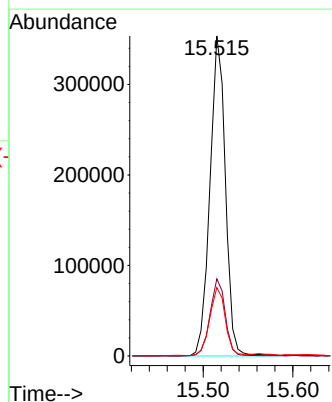
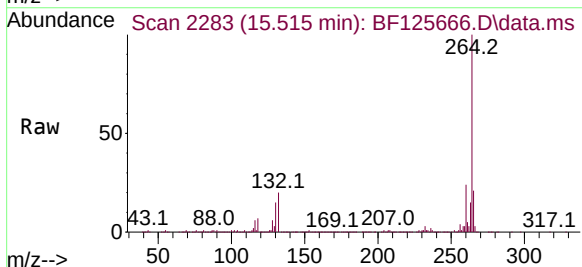
Instrument :
BNA_F
ClientSampleId :
124042

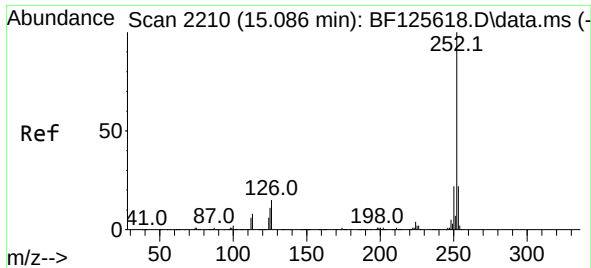
Tgt Ion:149 Resp: 66549
Ion Ratio Lower Upper
149 100
167 26.0 21.4 32.0
279 3.0 2.6 4.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.515 min Scan# 2283
Delta R.T. -0.006 min
Lab File: BF125666.D
Acq: 25 Sep 2021 20:11

Tgt Ion:264 Resp: 422996
Ion Ratio Lower Upper
264 100
260 24.1 19.6 29.4
265 21.4 17.2 25.8

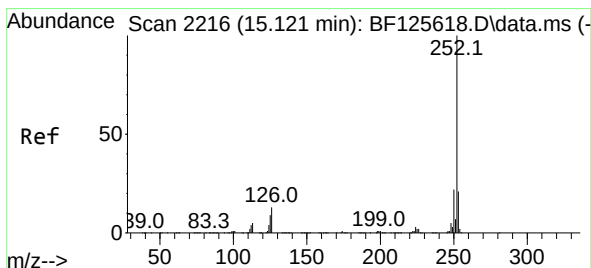
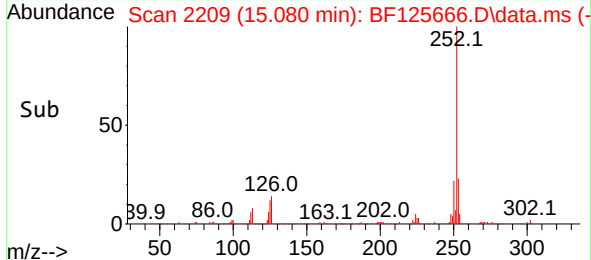
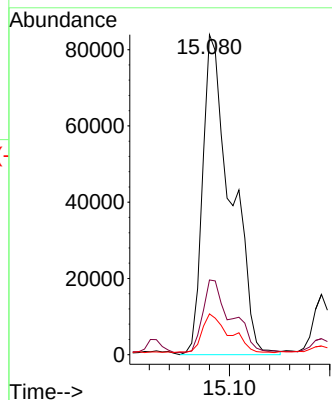
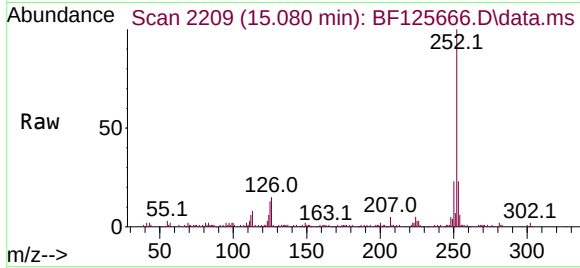




#88
Benzo(b)fluoranthene
Concen: 5.567 ng
RT: 15.080 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF125666.D
Acq: 25 Sep 2021 20:11

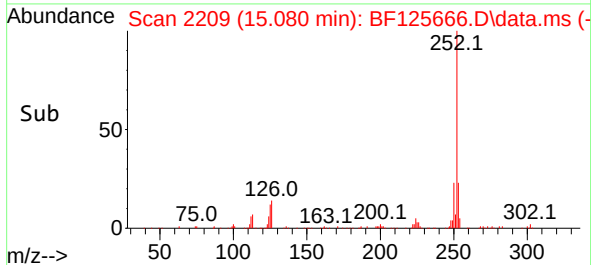
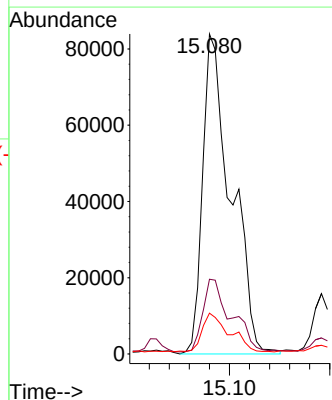
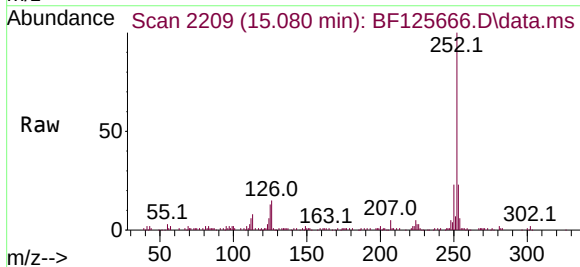
Instrument :
BNA_F
ClientSampleId :
124042

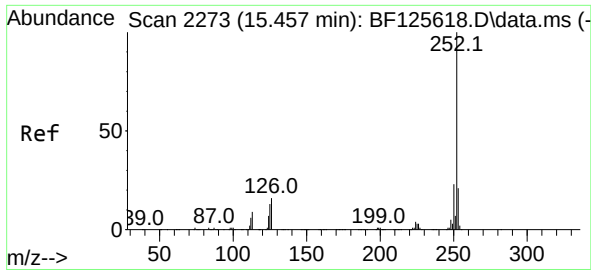
Tgt Ion:252 Resp: 164974
Ion Ratio Lower Upper
252 100
253 23.4 16.8 25.2
125 12.8 9.8 14.8



#89
Benzo(k)fluoranthene
Concen: 5.810 ng
RT: 15.080 min Scan# 2209
Delta R.T. -0.041 min
Lab File: BF125666.D
Acq: 25 Sep 2021 20:11

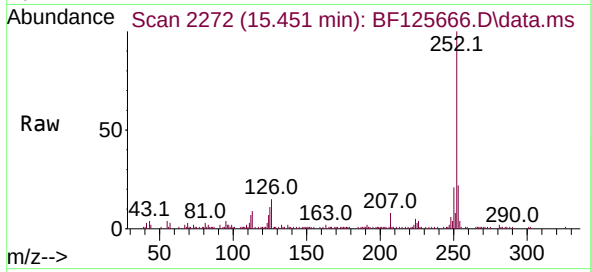
Tgt Ion:252 Resp: 164974
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 12.8 7.2 10.8#





#90
Benzo(a)pyrene
Concen: 2.635 ng
RT: 15.451 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BF125666.D
Acq: 25 Sep 2021 20:11

Instrument :
BNA_F
ClientSampleId :
124042



Tgt Ion:252	Resp:	69525
Ion Ratio	Lower	Upper
252	100	
253	21.6	18.4 27.6
125	11.1	9.9 14.9

