

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092721\
 Data File : BF125680.D
 Acq On : 27 Sep 2021 19:38
 Operator : JU/CG
 Sample : M3934-04DL 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 28 01:12:40 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)

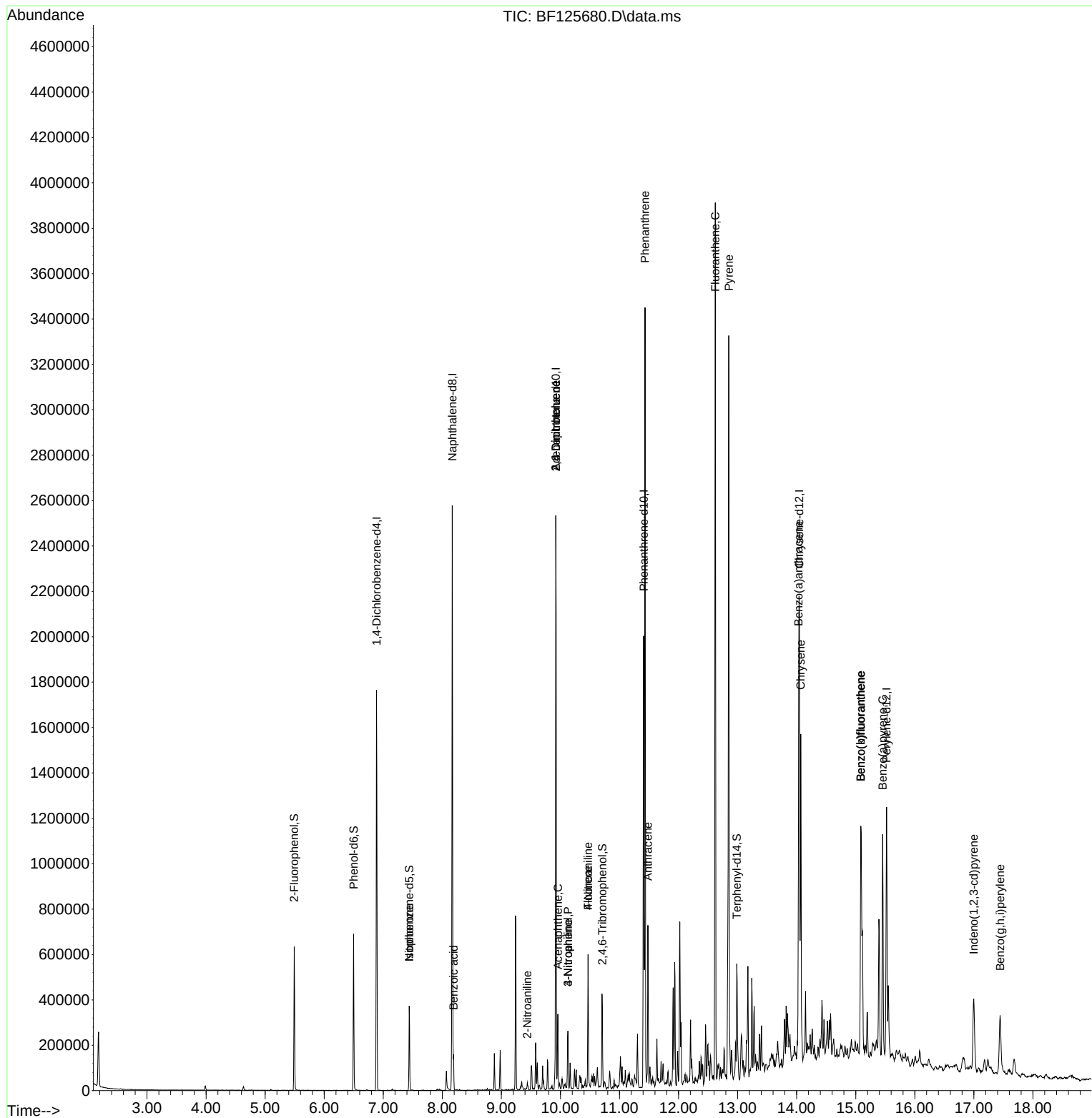
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	266120	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	1068799	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	512874	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	703698	20.000	ng	0.00
76) Chrysene-d12	14.045	240	478500	20.000	ng	0.00
86) Perylene-d12	15.521	264	467924	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	169972	10.523	ng	-0.01
7) Phenol-d6	6.498	99	210476	9.692	ng	-0.01
23) Nitrobenzene-d5	7.439	82	110579	7.216	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	37252	7.790	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	235480	-6.085	ng	-0.01
79) Terphenyl-d14	12.986	244	146396	5.298	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.492	77	253	Below Cal	#	1
25) Isophorone	7.439	82	110578	3.222	ng	# 59
32) Benzoic acid	8.192	122	120	8.637	ng	# 1
48) 2-Nitroaniline	9.439	65	109	4.171	ng	# 1
51) 2,6-Dinitrotoluene	9.922	165	68589	13.026	ng	# 27
52) Acenaphthene	9.957	154	62320	2.109	ng	97
53) 3-Nitroaniline	10.127	138	925	3.251	ng	# 9
56) 4-Nitrophenol	10.127	139	25475	4.003	ng	# 12
57) 2,4-Dinitrotoluene	9.922	165	68589	11.834	ng	# 19
58) Fluorene	10.469	166	139603	4.045	ng	100
62) 4-Nitroaniline	10.469	138	1388	2.065	ng	# 10
71) Phenanthrene	11.433	178	1156589	29.310	ng	97
72) Anthracene	11.480	178	242371	6.216	ng	99
75) Fluoranthene	12.621	202	1412485	33.492	ng	96
78) Pyrene	12.851	202	1275085	29.486	ng	96
81) Benzo(a)anthracene	14.033	228	569208	17.512	ng	99
83) Chrysene	14.068	228	506418	15.525	ng	97
87) Indeno(1,2,3-cd)pyrene	16.998	276	209720	6.603	ng	94
88) Benzo(b)fluoranthene	15.086	252	814634	24.849	ng	97
89) Benzo(k)fluoranthene	15.086	252	814634	25.936	ng	# 96
90) Benzo(a)pyrene	15.457	252	452724	15.514	ng	100
92) Benzo(g,h,i)perylene	17.445	276	204620	7.547	ng	94

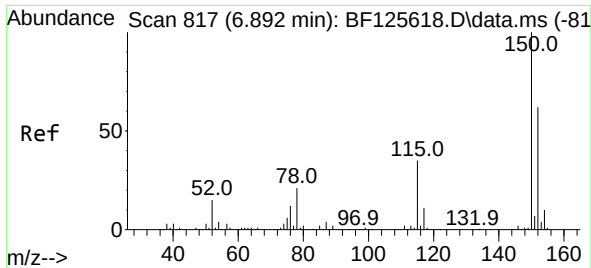
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092721\
Data File : BF125680.D
Acq On : 27 Sep 2021 19:38
Operator : JU/CG
Sample : M3934-04DL 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Sep 28 01:12:40 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

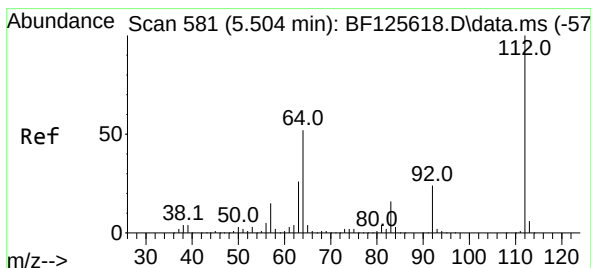
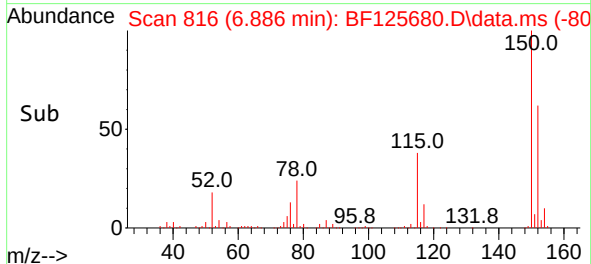
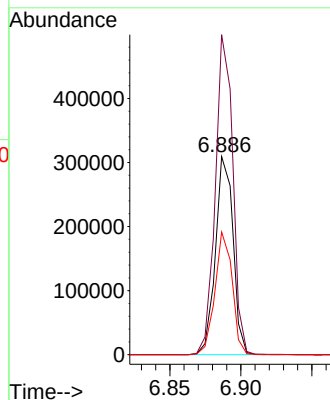
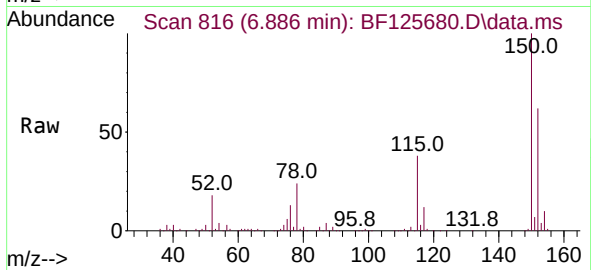




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF125680.D
Acq: 27 Sep 2021 19:38

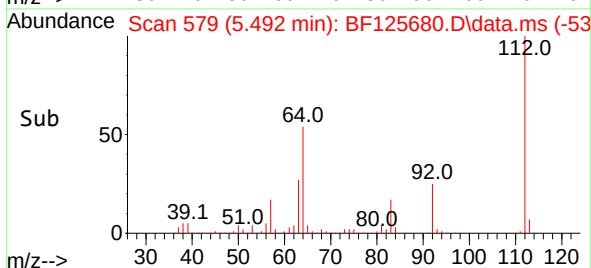
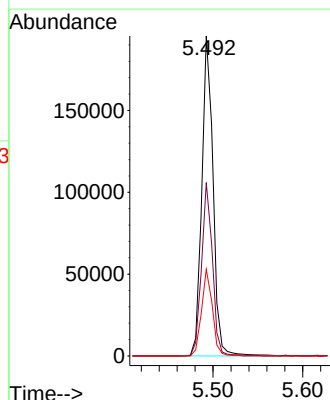
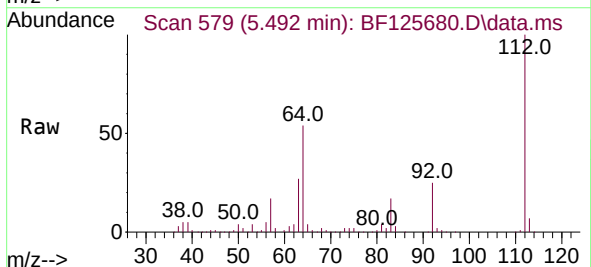
Instrument :
BNA_F
ClientSampleId :

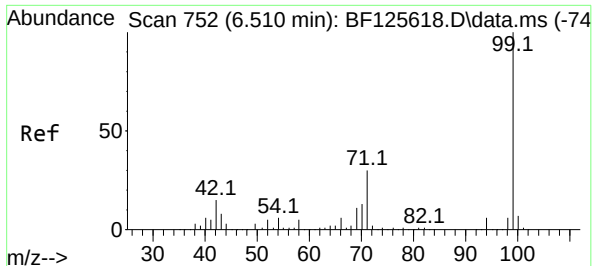
Tgt Ion:152 Resp: 266120
Ion Ratio Lower Upper
152 100
150 161.5 117.6 176.4
115 61.9 47.1 70.7



#5
2-Fluorophenol
Concen: 10.523 ng
RT: 5.492 min Scan# 579
Delta R.T. -0.012 min
Lab File: BF125680.D
Acq: 27 Sep 2021 19:38

Tgt Ion:112 Resp: 169972
Ion Ratio Lower Upper
112 100
64 54.2 44.2 66.2
63 27.1 26.2 39.2

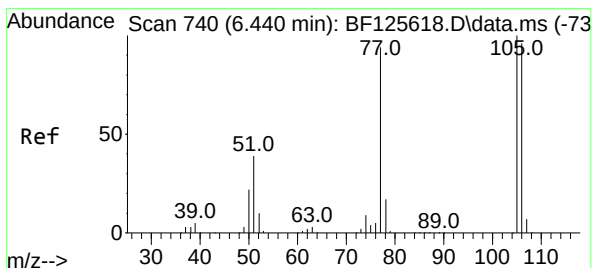
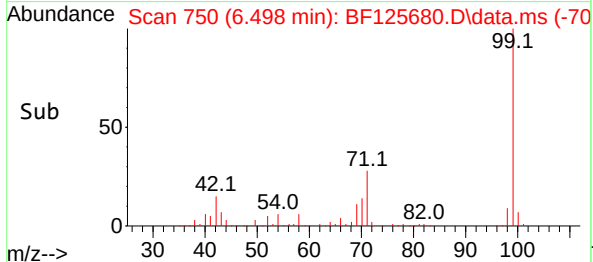
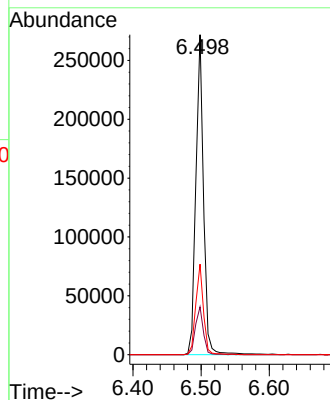
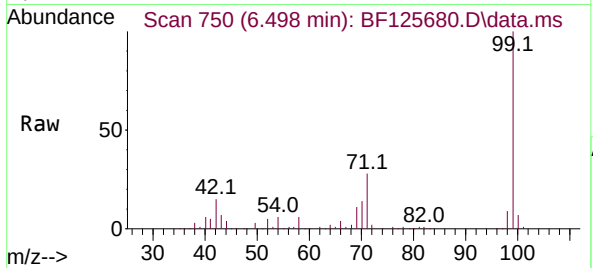




#7
Phenol-d6
Concen: 9.692 ng
RT: 6.498 min Scan# 750
Delta R.T. -0.012 min
Lab File: BF125680.D
Acq: 27 Sep 2021 19:38

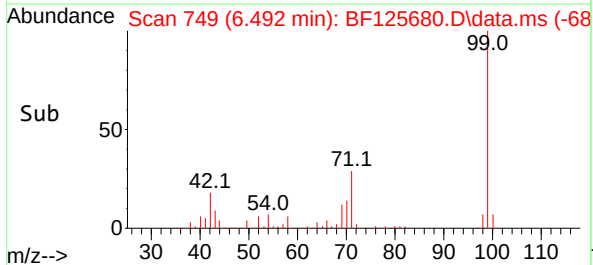
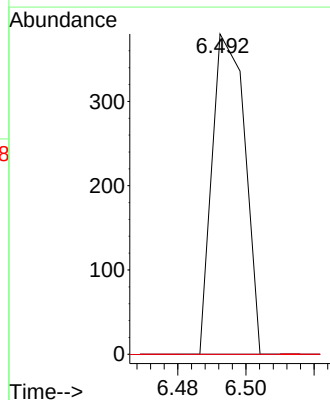
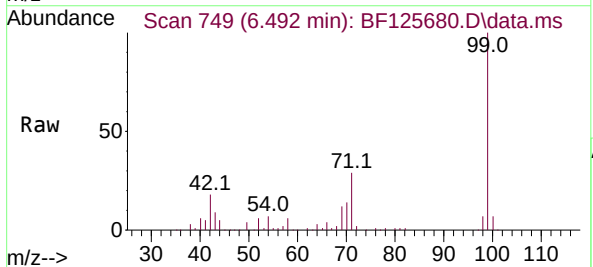
Instrument :
BNA_F
ClientSampled :

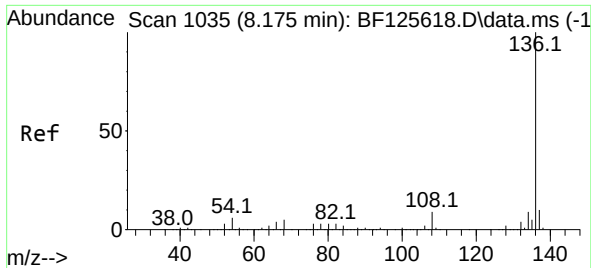
Tgt Ion: 99 Resp: 210476
Ion Ratio Lower Upper
99 100
42 15.0 23.5 35.3#
71 28.3 25.6 38.4



#9
Benzaldehyde
Concen: Below Cal
RT: 6.492 min Scan# 749
Delta R.T. 0.052 min
Lab File: BF125680.D
Acq: 27 Sep 2021 19:38

Tgt Ion: 77 Resp: 253
Ion Ratio Lower Upper
77 100
105 0.0 75.9 115.9#
106 0.0 84.0 124.0#

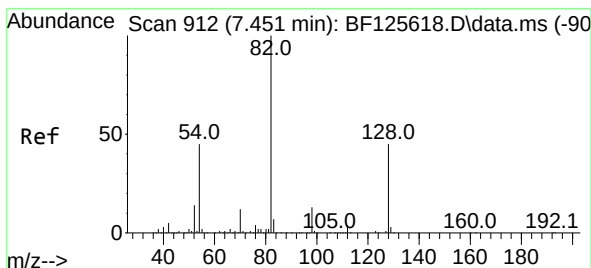
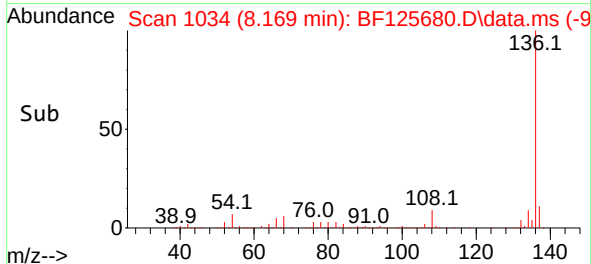
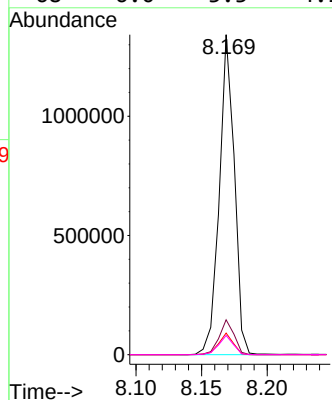
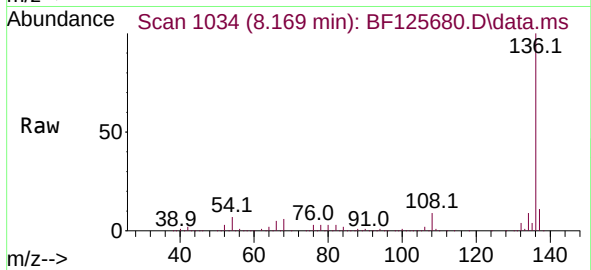




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF125680.D
Acq: 27 Sep 2021 19:38

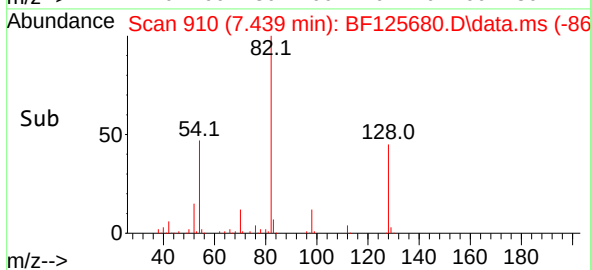
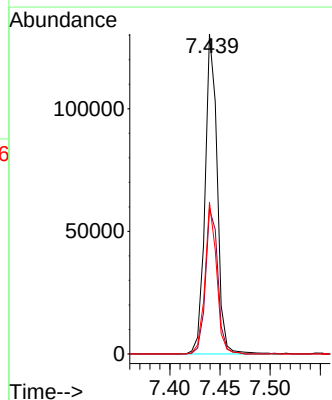
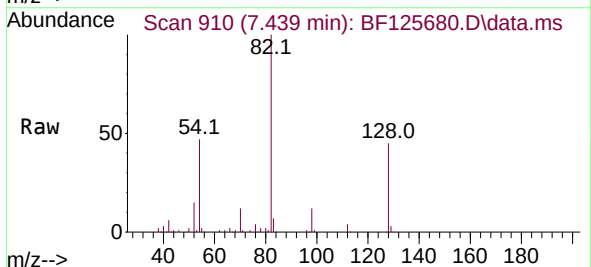
Instrument :
BNA_F
ClientSampleId :

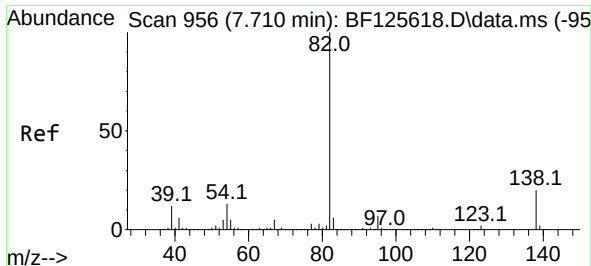
Tgt Ion:136 Resp: 1068799
Ion Ratio Lower Upper
136 100
137 10.9 9.8 14.6
54 6.7 6.4 9.6
68 6.0 3.3 4.9#



#23
Nitrobenzene-d5
Concen: 7.216 ng
RT: 7.439 min Scan# 910
Delta R.T. -0.012 min
Lab File: BF125680.D
Acq: 27 Sep 2021 19:38

Tgt Ion: 82 Resp: 110579
Ion Ratio Lower Upper
82 100
128 45.3 40.6 60.8
54 47.3 49.6 74.4#

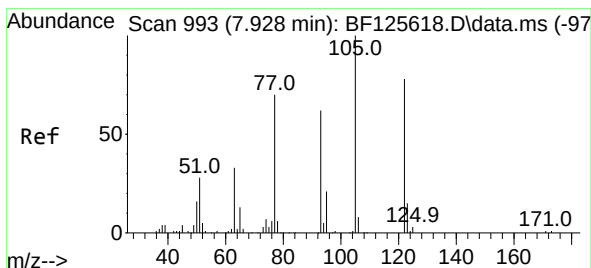
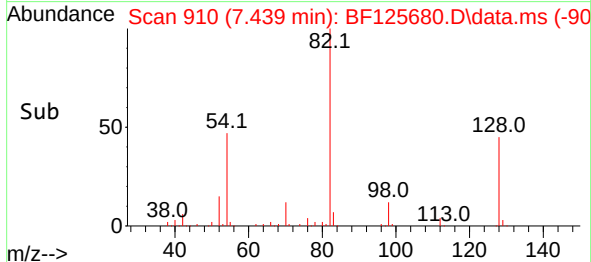
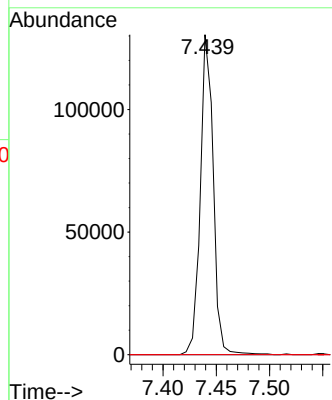
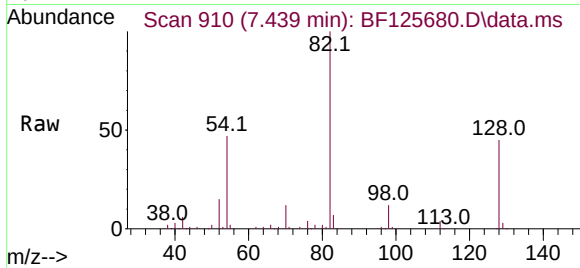




#25
Isophorone
Concen: 3.222 ng
RT: 7.439 min Scan# 910
Delta R.T. -0.271 min
Lab File: BF125680.D
Acq: 27 Sep 2021 19:38

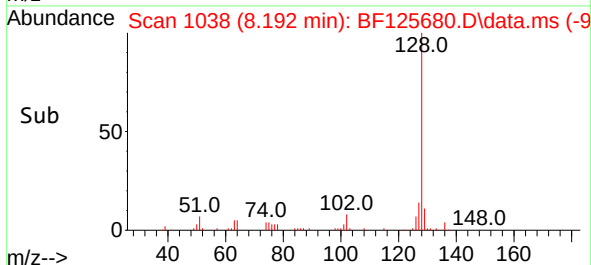
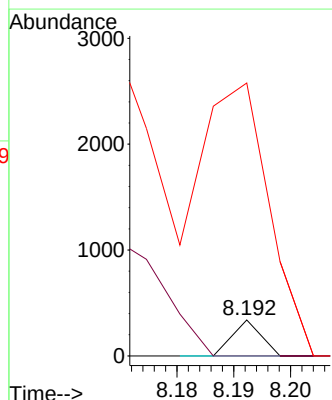
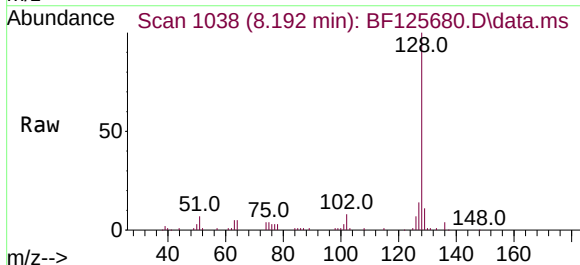
Instrument :
BNA_F
ClientSampleId :

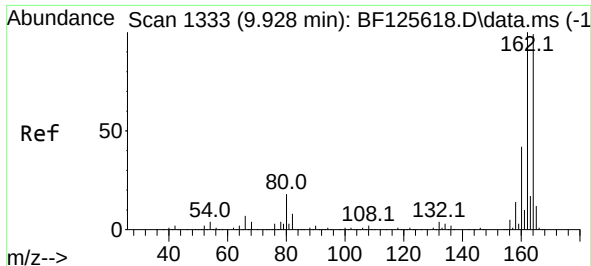
Tgt Ion: 82 Resp: 110578
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#32
Benzoic acid
Concen: 8.637 ng
RT: 8.192 min Scan# 1038
Delta R.T. 0.264 min
Lab File: BF125680.D
Acq: 27 Sep 2021 19:38

Tgt Ion: 122 Resp: 120
Ion Ratio Lower Upper
122 100
105 0.0 97.6 137.6#
77 758.2 59.6 99.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1332

Delta R.T. -0.006 min

Lab File: BF125680.D

Acq: 27 Sep 2021 19:38

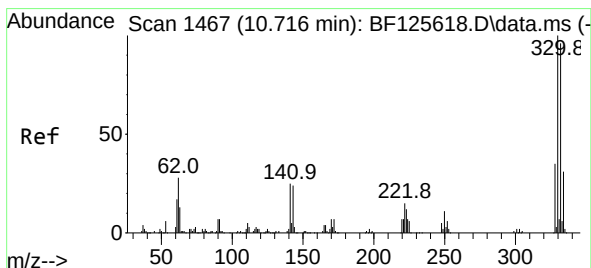
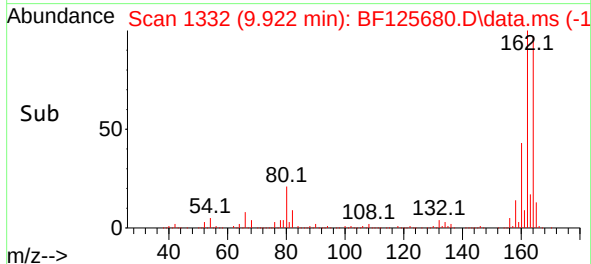
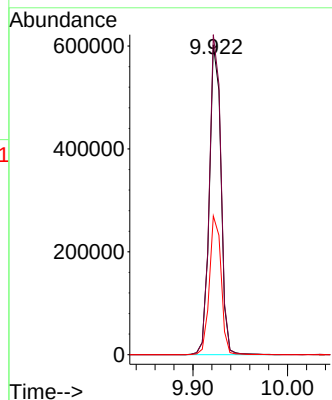
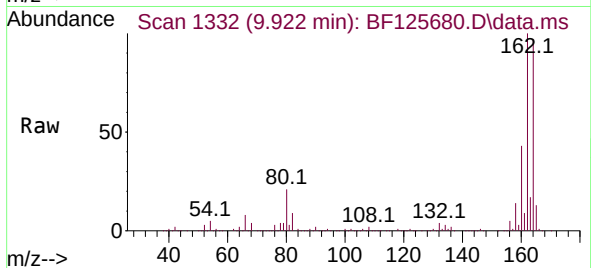
Tgt Ion:164 Resp: 512874

Ion Ratio Lower Upper

164 100

162 103.3 81.3 121.9

160 44.8 38.0 57.0



#42

2,4,6-Tribromophenol

Concen: 7.790 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF125680.D

Acq: 27 Sep 2021 19:38

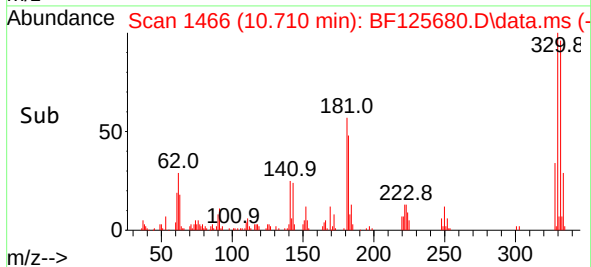
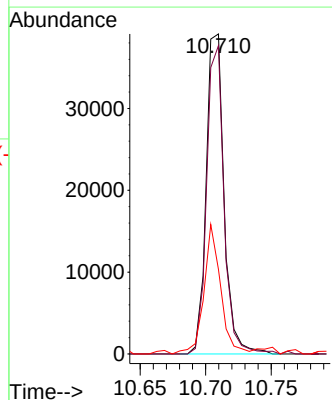
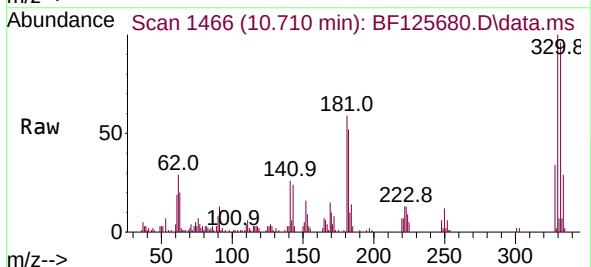
Tgt Ion:330 Resp: 37252

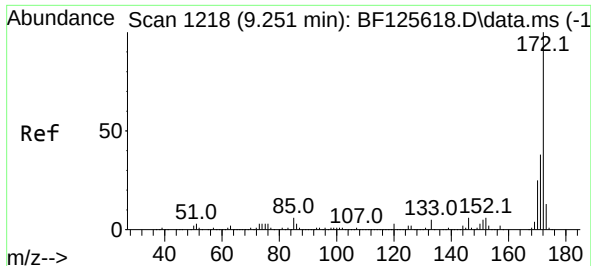
Ion Ratio Lower Upper

330 100

332 93.7 76.2 114.4

141 37.7 44.6 66.8#

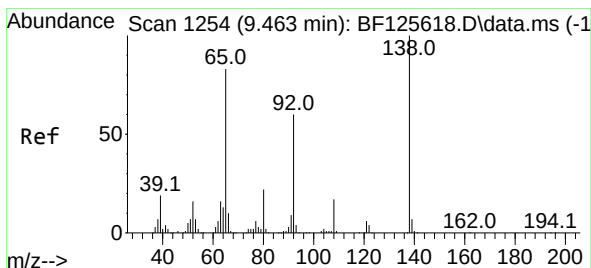
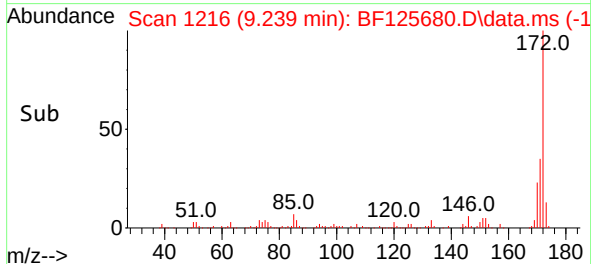
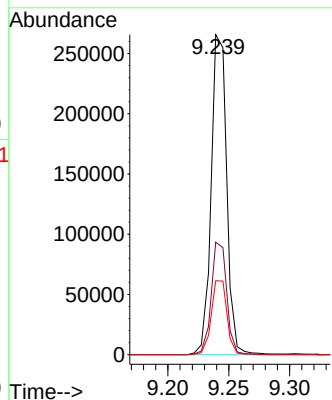
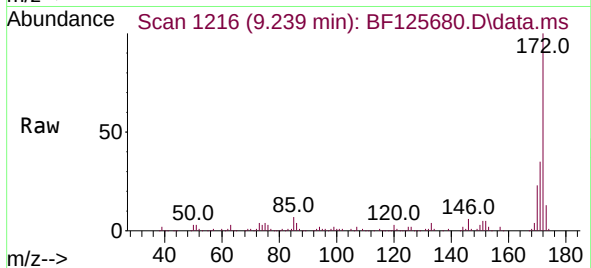




#45
2-Fluorobiphenyl
Concen: -6.085 ng
RT: 9.239 min Scan# 1216
Delta R.T. -0.012 min
Lab File: BF125680.D
Acq: 27 Sep 2021 19:38

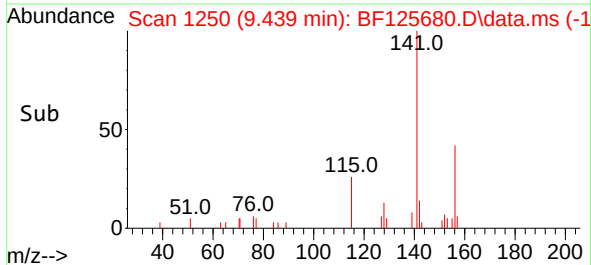
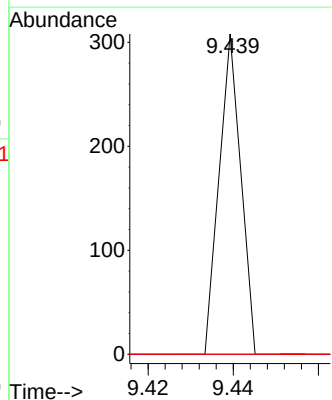
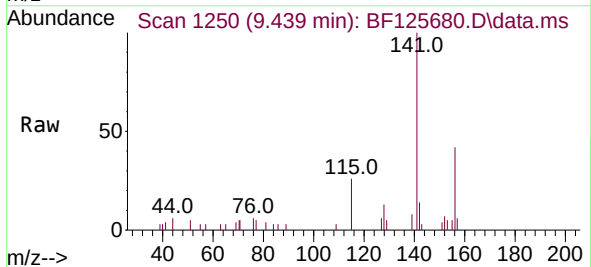
Instrument :
BNA_F
ClientSampleId :

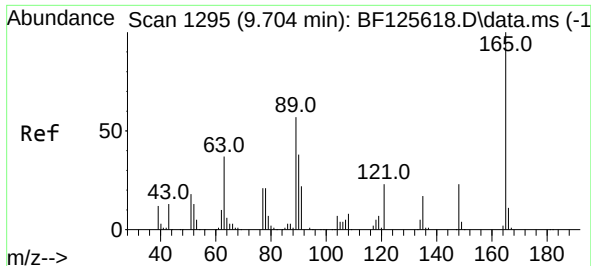
Tgt Ion:172 Resp: 235480
Ion Ratio Lower Upper
172 100
171 35.2 26.5 39.7
170 23.1 18.8 28.2



#48
2-Nitroaniline
Concen: 4.171 ng
RT: 9.439 min Scan# 1250
Delta R.T. -0.024 min
Lab File: BF125680.D
Acq: 27 Sep 2021 19:38

Tgt Ion: 65 Resp: 109
Ion Ratio Lower Upper
65 100
92 0.0 55.5 83.3#
138 0.0 93.5 140.3#

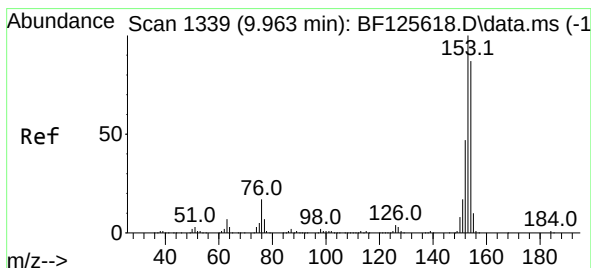
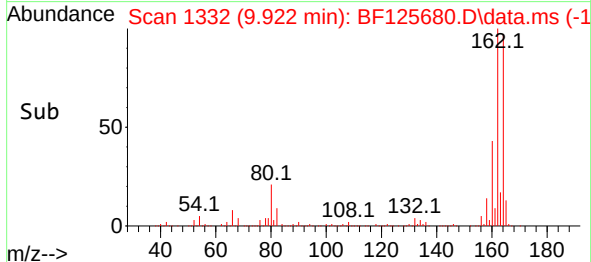
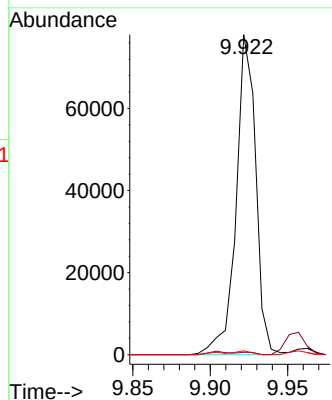
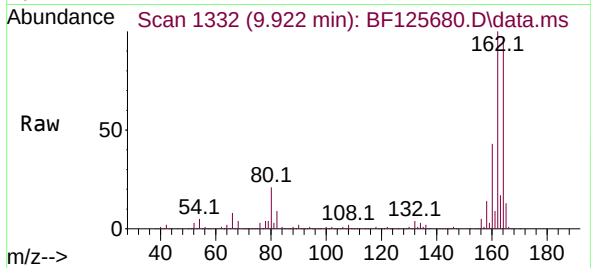




#51
2,6-Dinitrotoluene
Concen: 13.026 ng
RT: 9.922 min Scan# 1332
Delta R.T. 0.218 min
Lab File: BF125680.D
Acq: 27 Sep 2021 19:38

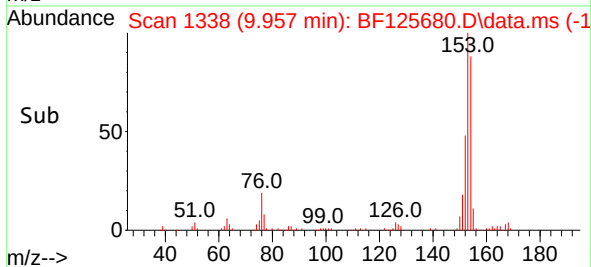
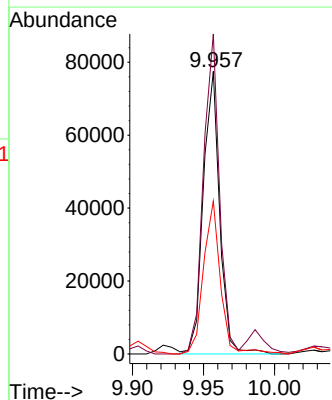
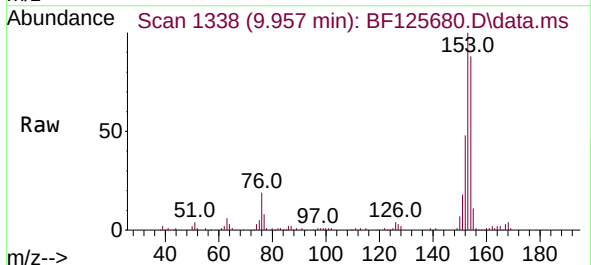
Instrument :
BNA_F
ClientSampled :

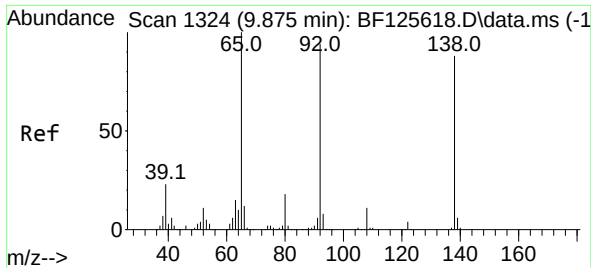
Tgt Ion:165 Resp: 68589
Ion Ratio Lower Upper
165 100
63 0.8 42.6 63.8#
89 1.2 40.6 60.8#



#52
Acenaphthene
Concen: 2.109 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF125680.D
Acq: 27 Sep 2021 19:38

Tgt Ion:154 Resp: 62320
Ion Ratio Lower Upper
154 100
153 113.3 89.4 134.2
152 54.1 40.5 60.7

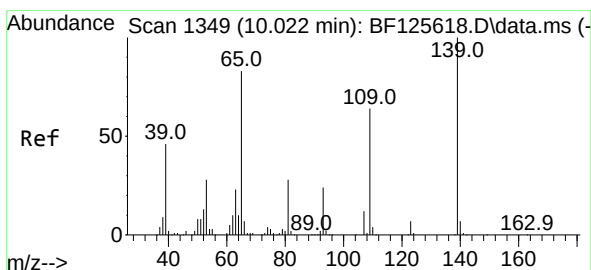
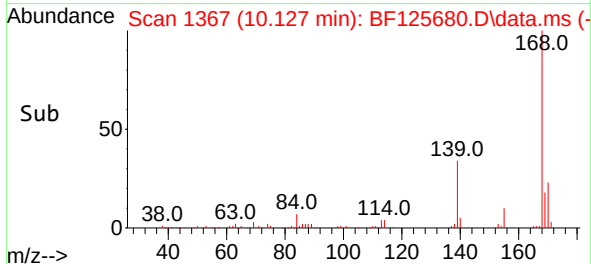
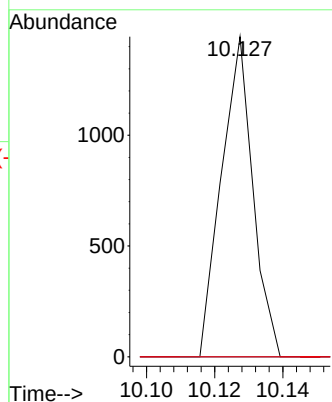
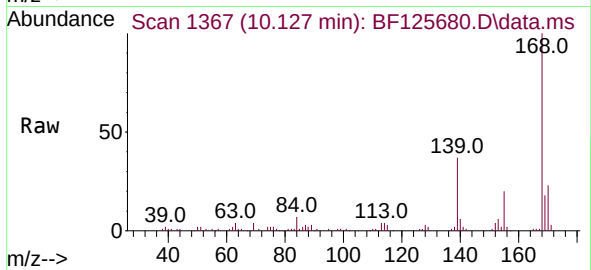




#53
3-Nitroaniline
Concen: 3.251 ng
RT: 10.127 min Scan# 1367
Delta R.T. 0.252 min
Lab File: BF125680.D
Acq: 27 Sep 2021 19:38

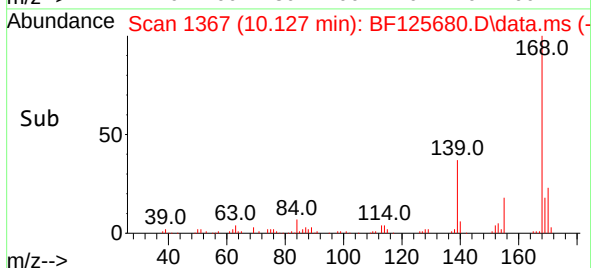
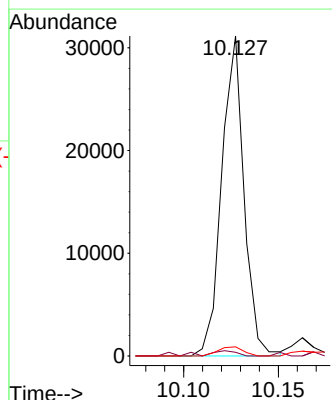
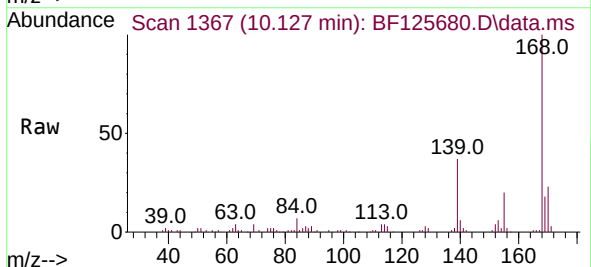
Instrument :
BNA_F
ClientSampleId :

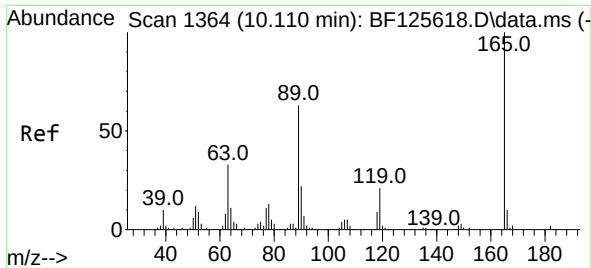
Tgt Ion:138 Resp: 925
Ion Ratio Lower Upper
138 100
108 0.0 9.3 13.9#
92 0.0 76.5 114.7#



#56
4-Nitrophenol
Concen: 4.003 ng
RT: 10.127 min Scan# 1367
Delta R.T. 0.105 min
Lab File: BF125680.D
Acq: 27 Sep 2021 19:38

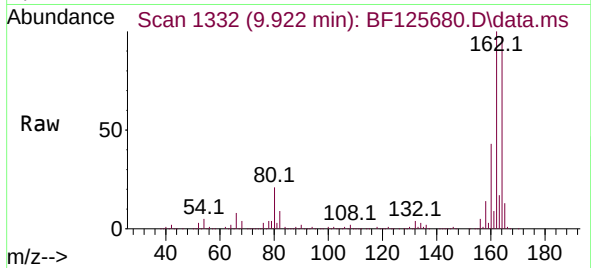
Tgt Ion:139 Resp: 25475
Ion Ratio Lower Upper
139 100
109 1.2 60.4 100.4#
65 2.8 58.4 98.4#



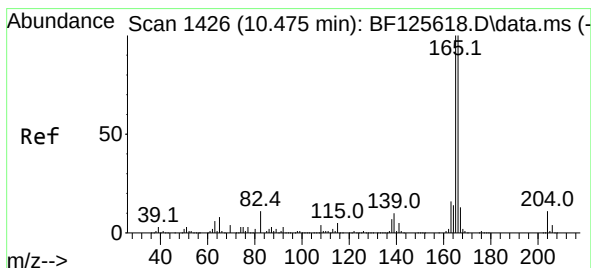
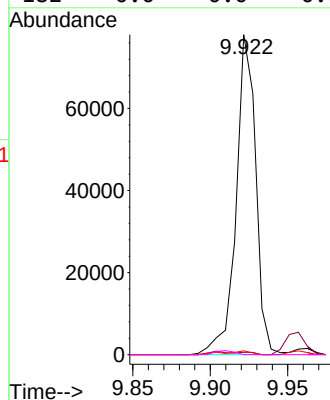
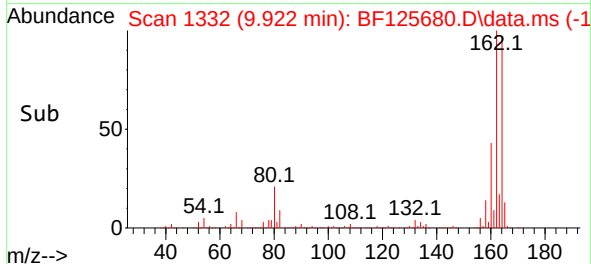


#57
2,4-Dinitrotoluene
Concen: 11.834 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.188 min
Lab File: BF125680.D
Acq: 27 Sep 2021 19:38

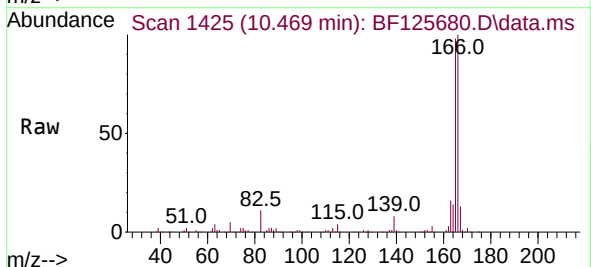
Instrument :
BNA_F
ClientSampled :



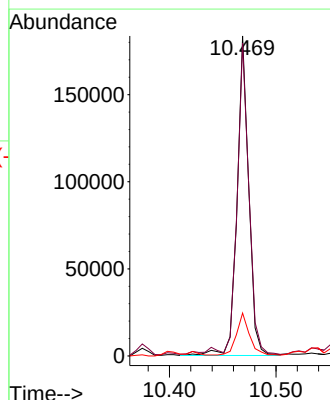
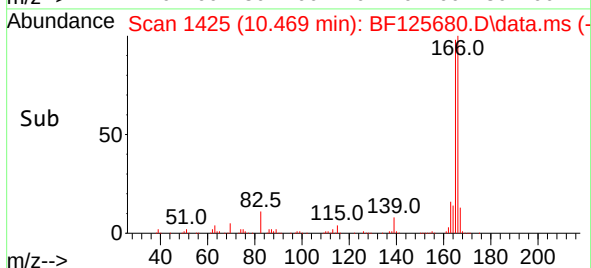
Tgt Ion:165 Resp: 68589
Ion Ratio Lower Upper
165 100
63 0.8 40.9 61.3#
89 1.2 59.7 89.5#
182 0.0 0.0 0.0

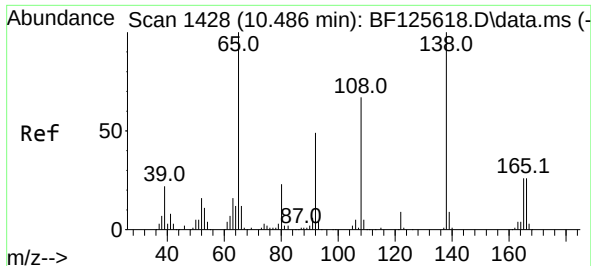


#58
Fluorene
Concen: 4.045 ng
RT: 10.469 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF125680.D
Acq: 27 Sep 2021 19:38



Tgt Ion:166 Resp: 139603
Ion Ratio Lower Upper
166 100
165 97.8 78.1 117.1
167 13.4 11.1 16.7

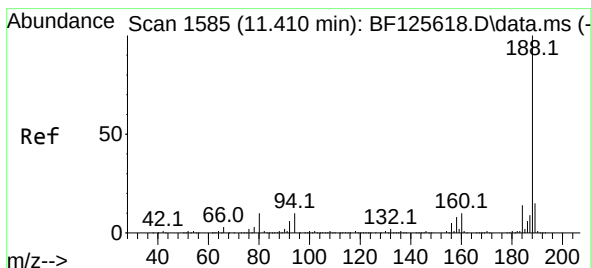
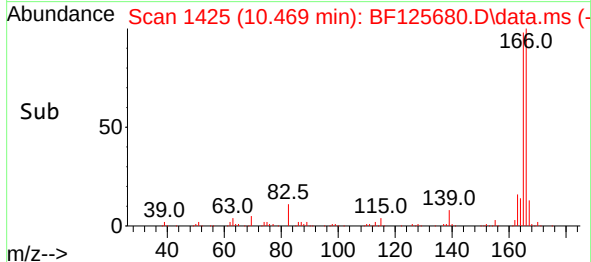
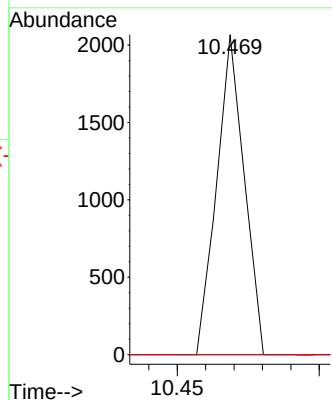
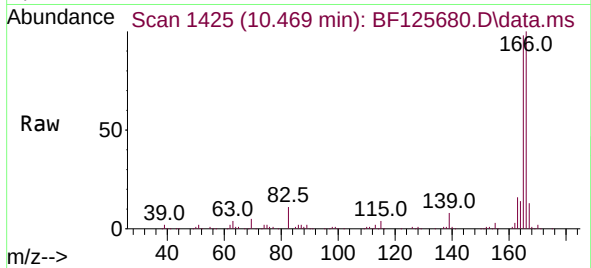




#62
4-Nitroaniline
Concen: 2.065 ng
RT: 10.469 min Scan# 1425
Delta R.T. -0.017 min
Lab File: BF125680.D
Acq: 27 Sep 2021 19:38

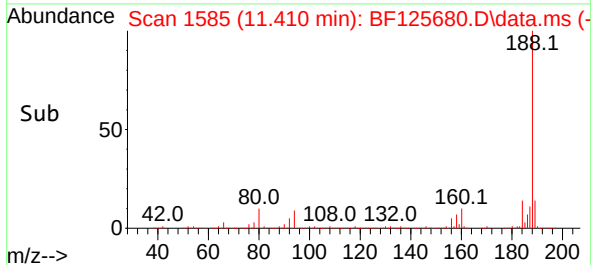
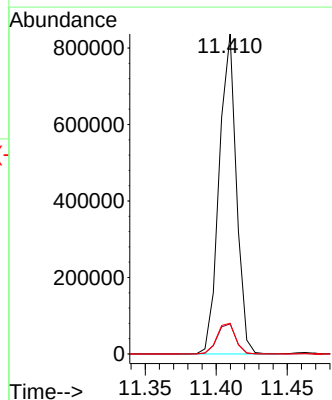
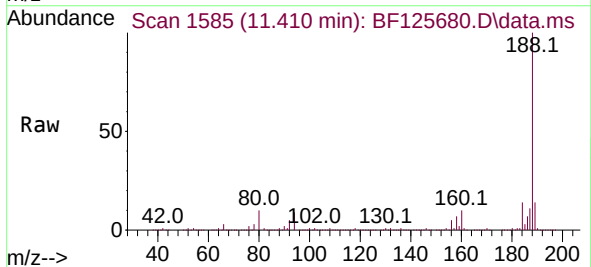
Instrument :
BNA_F
ClientSampled :

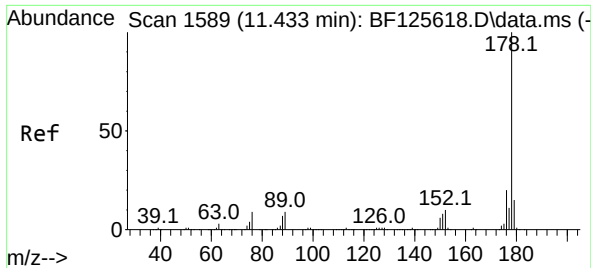
Tgt Ion:138 Resp: 1388
Ion Ratio Lower Upper
138 100
92 0.0 29.6 69.6#
108 0.0 78.1 118.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.000 min
Lab File: BF125680.D
Acq: 27 Sep 2021 19:38

Tgt Ion:188 Resp: 703698
Ion Ratio Lower Upper
188 100
94 9.4 6.7 10.1
80 9.6 7.5 11.3

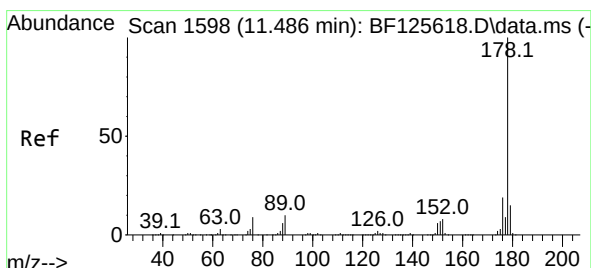
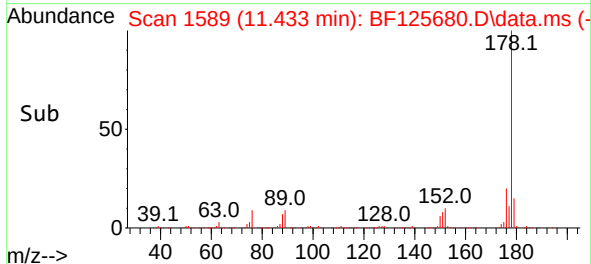
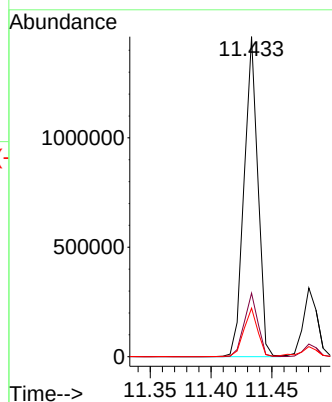
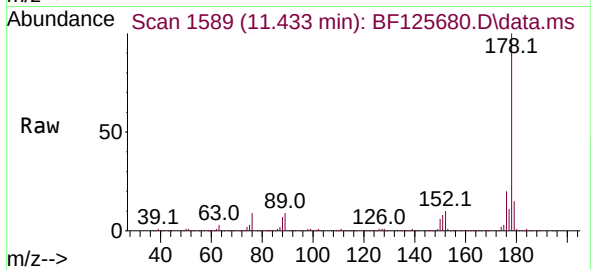




#71
Phenanthrene
Concen: 29.310 ng
RT: 11.433 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF125680.D
Acq: 27 Sep 2021 19:38

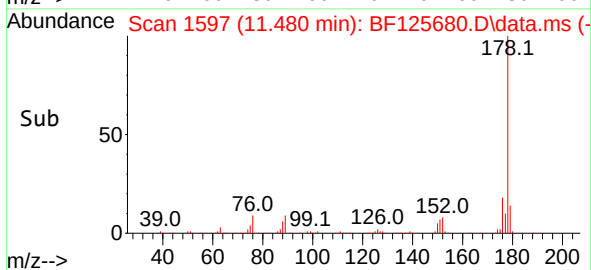
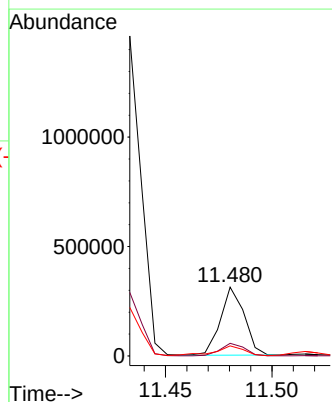
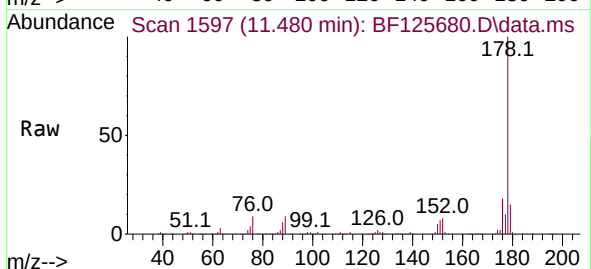
Instrument :
BNA_F
ClientSampleId :

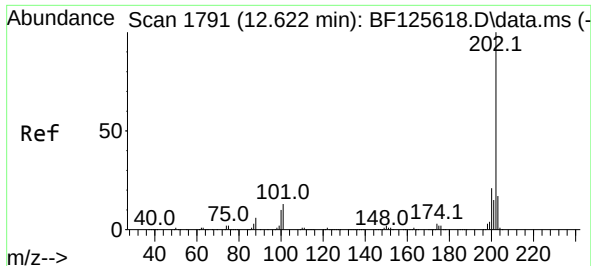
Tgt Ion:178 Resp: 1156589
Ion Ratio Lower Upper
178 100
176 19.8 14.7 22.1
179 15.2 11.5 17.3



#72
Anthracene
Concen: 6.216 ng
RT: 11.480 min Scan# 1597
Delta R.T. -0.006 min
Lab File: BF125680.D
Acq: 27 Sep 2021 19:38

Tgt Ion:178 Resp: 242371
Ion Ratio Lower Upper
178 100
176 18.5 14.3 21.5
179 14.6 12.2 18.4

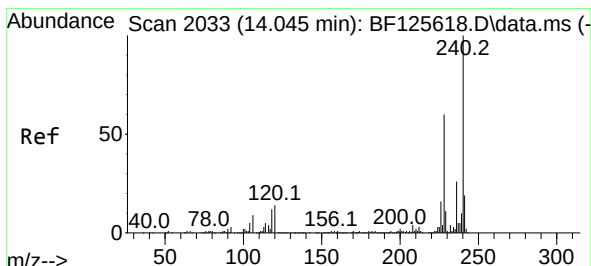
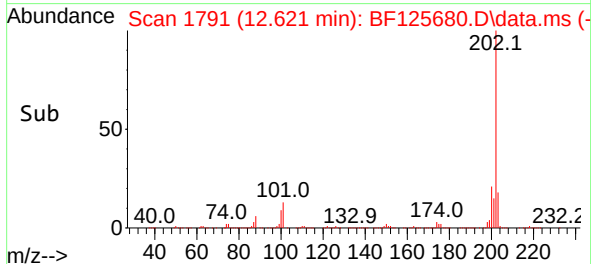
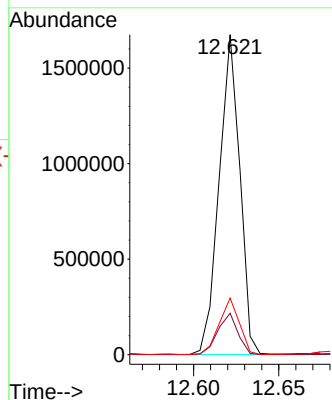
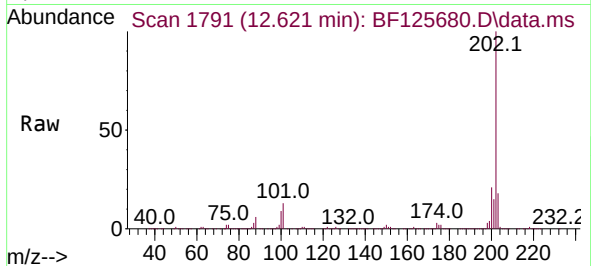




#75
Fluoranthene
Concen: 33.492 ng
RT: 12.621 min Scan# 1791
Delta R.T. -0.001 min
Lab File: BF125680.D
Acq: 27 Sep 2021 19:38

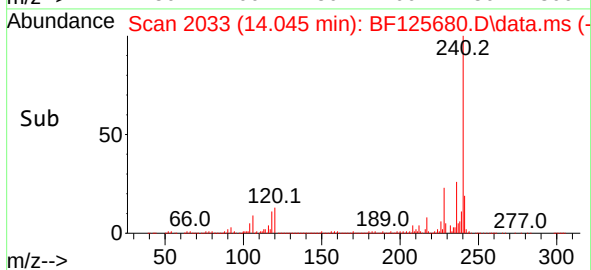
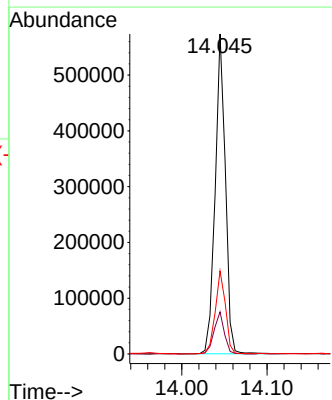
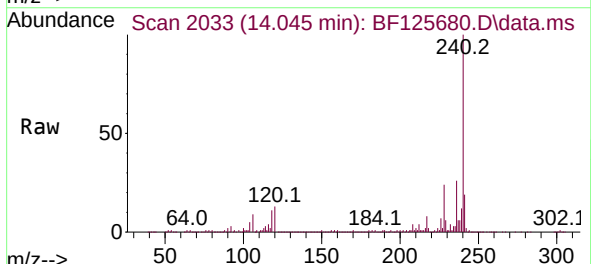
Instrument :
BNA_F
ClientSampleId :

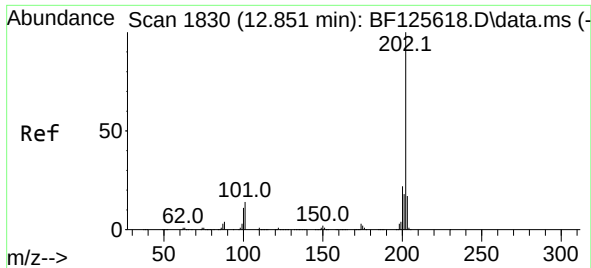
Tgt Ion:202 Resp: 1412485
Ion Ratio Lower Upper
202 100
101 12.9 0.0 30.7
203 17.7 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF125680.D
Acq: 27 Sep 2021 19:38

Tgt Ion:240 Resp: 478500
Ion Ratio Lower Upper
240 100
120 13.2 10.8 16.2
236 26.0 21.6 32.4

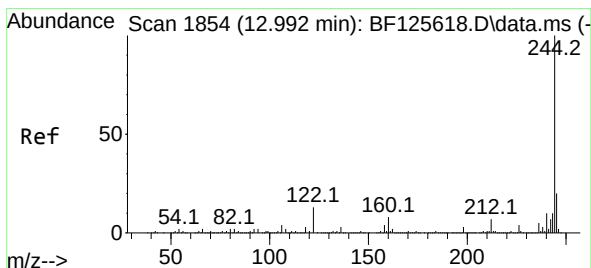
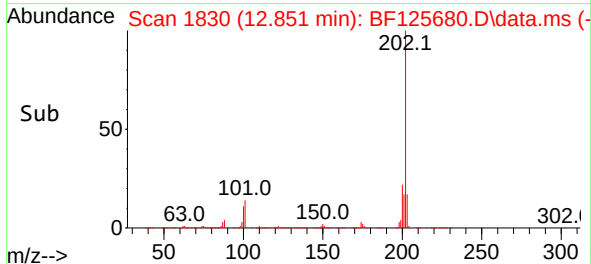
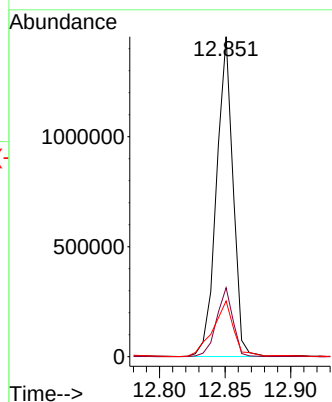
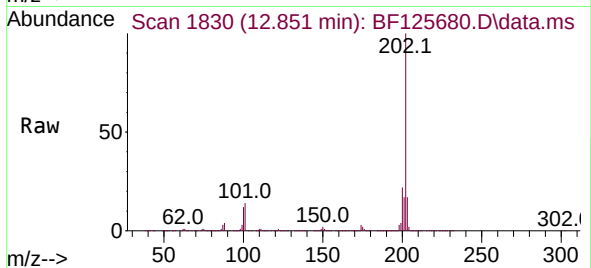




#78
Pyrene
Concen: 29.486 ng
RT: 12.851 min Scan# 1830
Delta R.T. -0.000 min
Lab File: BF125680.D
Acq: 27 Sep 2021 19:38

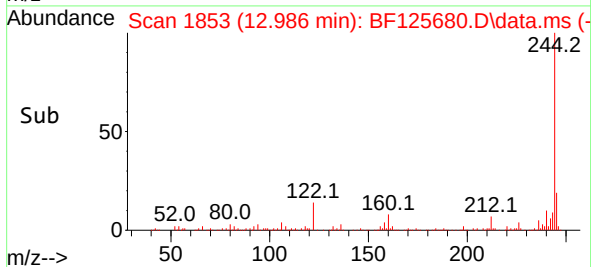
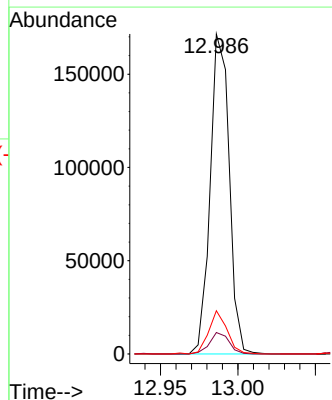
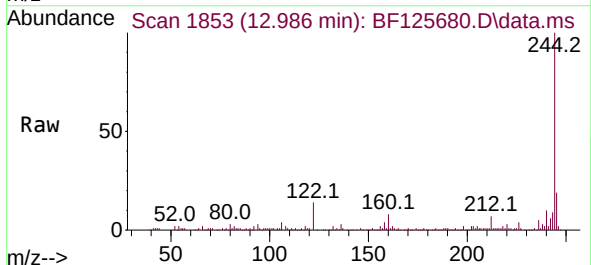
Instrument :
BNA_F
ClientSampleId :

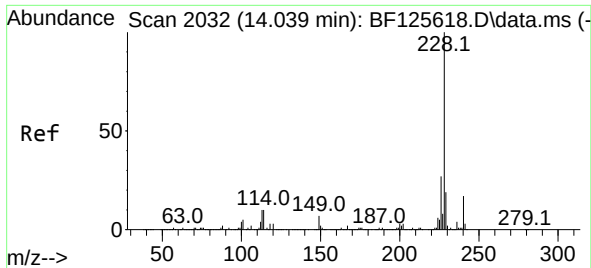
Tgt Ion:202 Resp: 1275085
Ion Ratio Lower Upper
202 100
200 21.5 15.3 22.9
203 17.4 13.4 20.0



#79
Terphenyl-d14
Concen: 5.298 ng
RT: 12.986 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF125680.D
Acq: 27 Sep 2021 19:38

Tgt Ion:244 Resp: 146396
Ion Ratio Lower Upper
244 100
212 6.7 5.9 8.9
122 13.5 9.0 13.4#

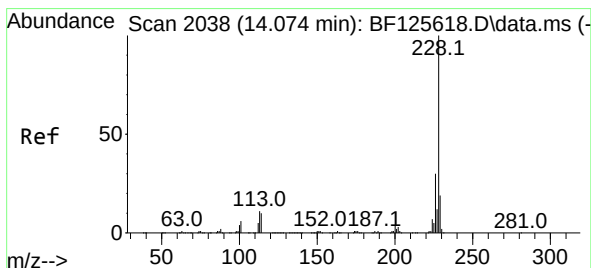
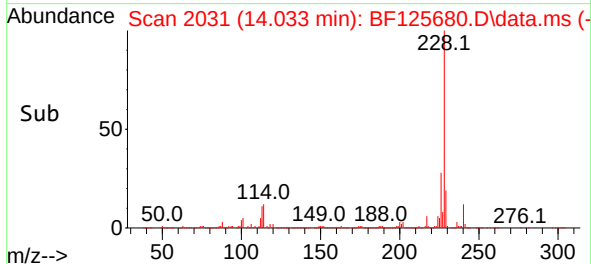
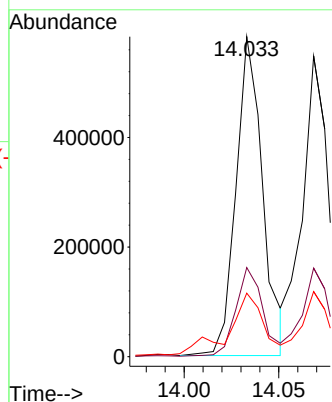
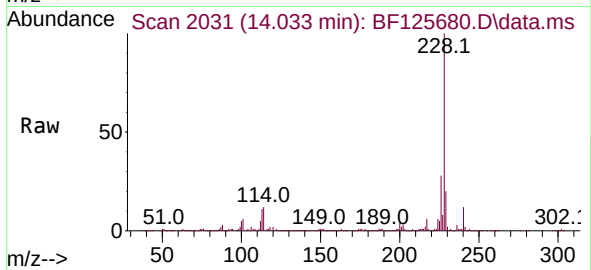




#81
Benzo(a)anthracene
Concen: 17.512 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF125680.D
Acq: 27 Sep 2021 19:38

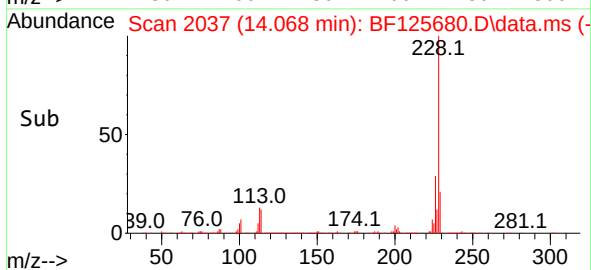
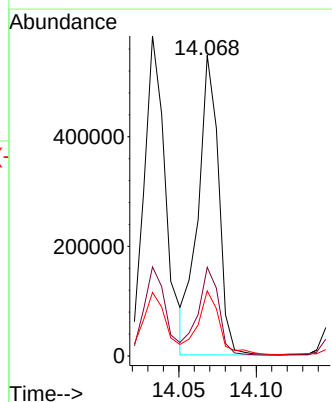
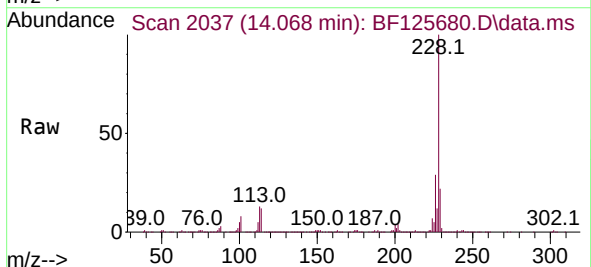
Instrument :
BNA_F
ClientSampled :

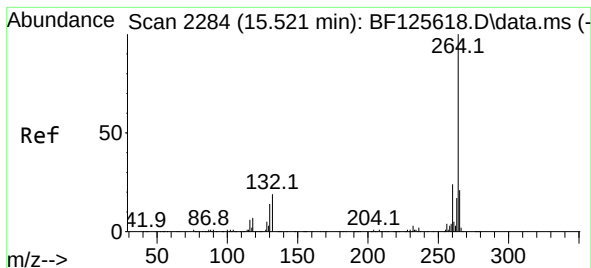
Tgt Ion:228 Resp: 569208
Ion Ratio Lower Upper
228 100
226 27.8 21.6 32.4
229 19.8 15.6 23.4



#83
Chrysene
Concen: 15.525 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF125680.D
Acq: 27 Sep 2021 19:38

Tgt Ion:228 Resp: 506418
Ion Ratio Lower Upper
228 100
226 29.5 22.6 34.0
229 21.7 15.9 23.9

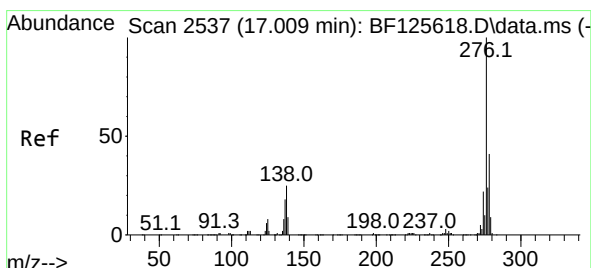
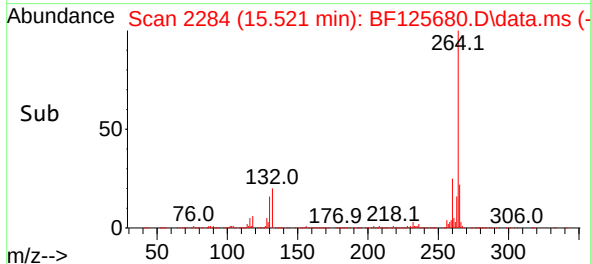
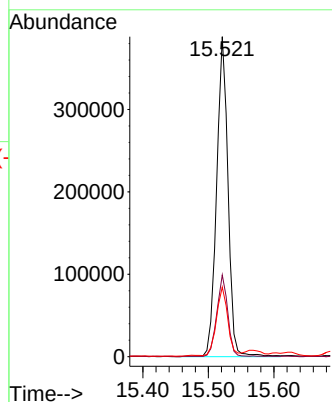
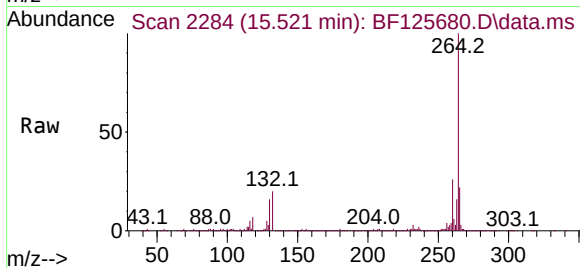




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BF125680.D
Acq: 27 Sep 2021 19:38

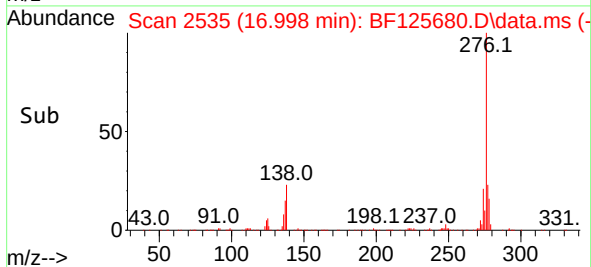
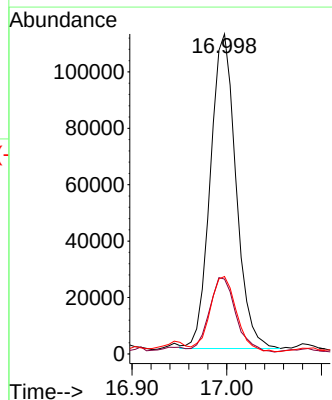
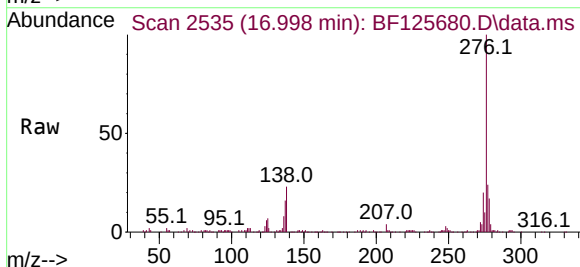
Instrument :
BNA_F
ClientSampled :

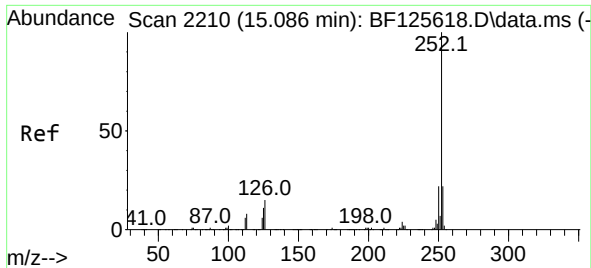
Tgt Ion:264 Resp: 467924
Ion Ratio Lower Upper
264 100
260 25.6 19.6 29.4
265 21.8 17.2 25.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.603 ng
RT: 16.998 min Scan# 2535
Delta R.T. -0.011 min
Lab File: BF125680.D
Acq: 27 Sep 2021 19:38

Tgt Ion:276 Resp: 209720
Ion Ratio Lower Upper
276 100
138 24.8 24.1 36.1
277 24.5 18.8 28.2

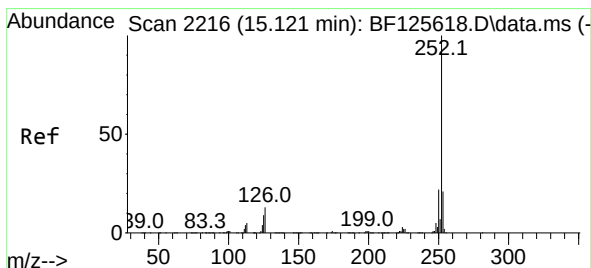
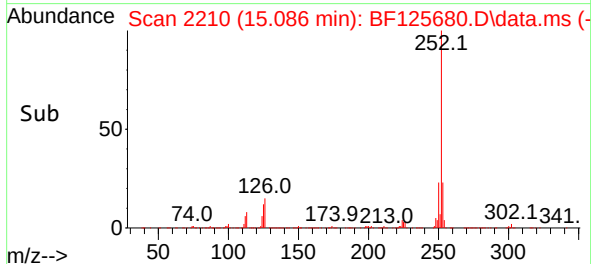
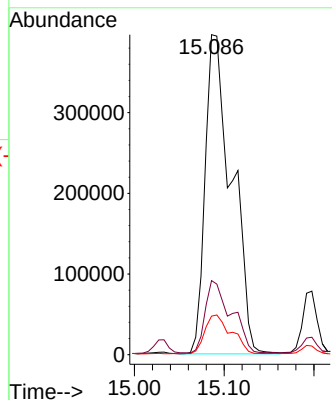
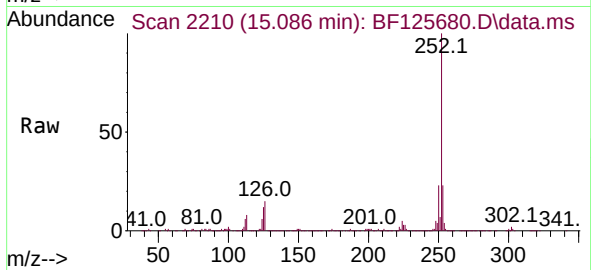




#88
Benzo(b)fluoranthene
Concen: 24.849 ng
RT: 15.086 min Scan# 2210
Delta R.T. -0.000 min
Lab File: BF125680.D
Acq: 27 Sep 2021 19:38

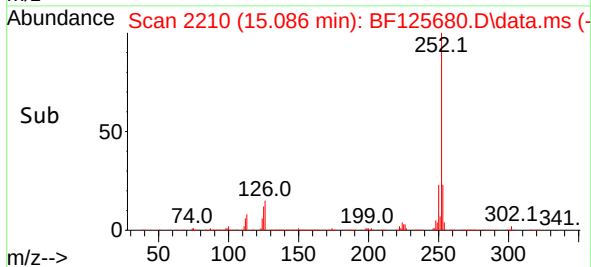
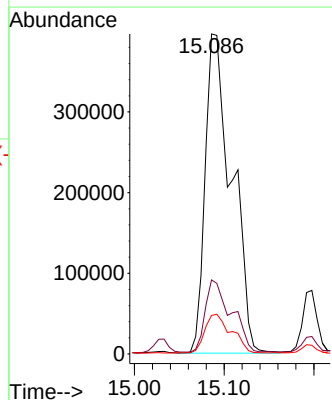
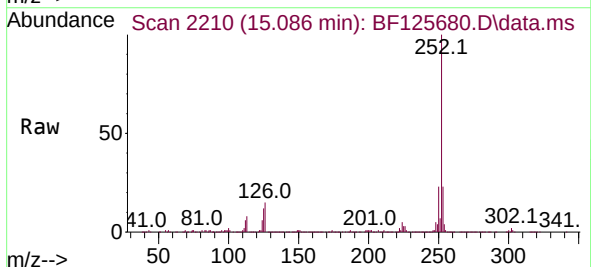
Instrument :
BNA_F
ClientSampleId :

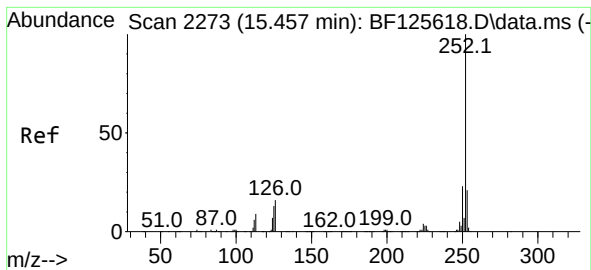
Tgt Ion:252 Resp: 814634
Ion Ratio Lower Upper
252 100
253 23.2 16.8 25.2
125 12.1 9.8 14.8



#89
Benzo(k)fluoranthene
Concen: 25.936 ng
RT: 15.086 min Scan# 2210
Delta R.T. -0.035 min
Lab File: BF125680.D
Acq: 27 Sep 2021 19:38

Tgt Ion:252 Resp: 814634
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.8
125 12.1 7.2 10.8#

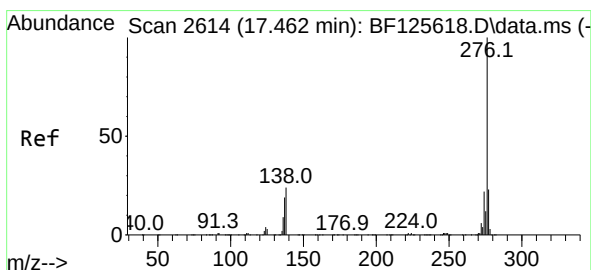
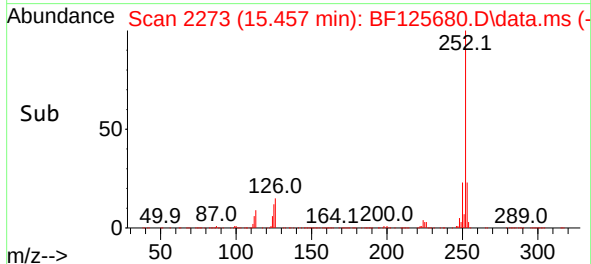
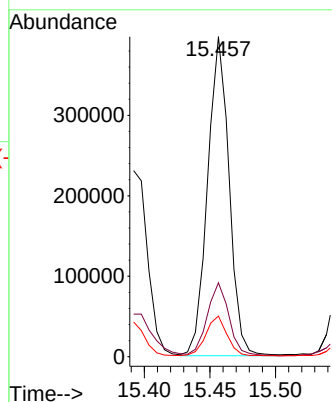
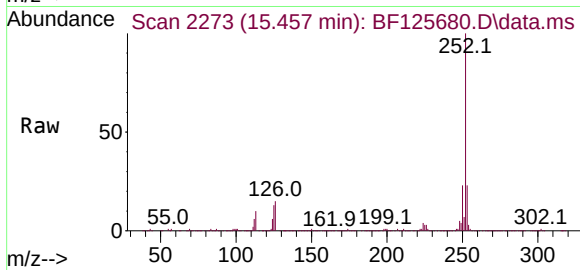




#90
Benzo(a)pyrene
Concen: 15.514 ng
RT: 15.457 min Scan# 2273
Delta R.T. -0.001 min
Lab File: BF125680.D
Acq: 27 Sep 2021 19:38

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252	Resp:	452724
Ion Ratio	Lower	Upper
252	100	
253	23.1	18.4 27.6
125	12.7	9.9 14.9



#92
Benzo(g,h,i)perylene
Concen: 7.547 ng
RT: 17.445 min Scan# 2611
Delta R.T. -0.017 min
Lab File: BF125680.D
Acq: 27 Sep 2021 19:38

Tgt Ion:276	Resp:	204620
Ion Ratio	Lower	Upper
276	100	
277	23.9	22.0 33.0
138	24.8	22.2 33.4

