

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
 Data File : BF125216.D
 Acq On : 25 Aug 2021 18:40
 Operator : JU/CG
 Sample : M3467-09
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-7-(291.00)

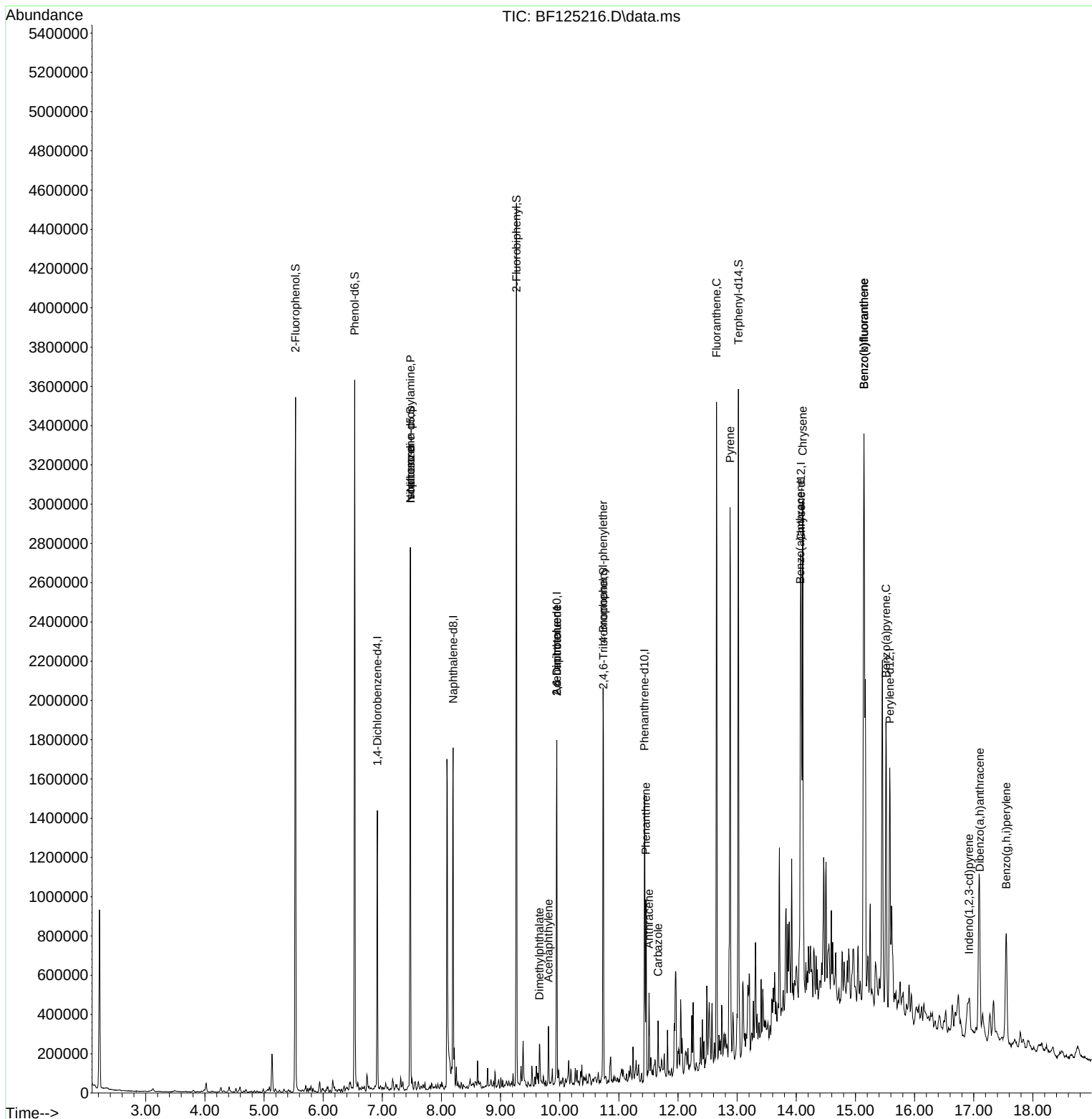
Quant Time: Aug 26 01:36:10 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 24 12:39:21 2021
 Response via : Initial Calibration

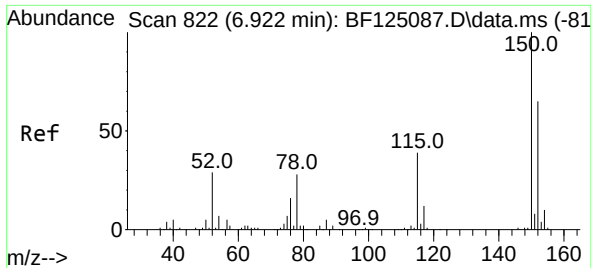
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	195278	20.000	ng	0.00
21) Naphthalene-d8	8.198	136	716934	20.000	ng	# 0.00
39) Acenaphthene-d10	9.951	164	338842	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	557584	20.000	ng	# 0.00
76) Chrysene-d12	14.080	240	470542	20.000	ng	0.00
86) Perylene-d12	15.580	264	540550	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	915381	70.951	ng	0.00
7) Phenol-d6	6.534	99	1147940	68.797	ng	0.00
23) Nitrobenzene-d5	7.475	82	828888	58.206	ng	0.00
42) 2,4,6-Tribromophenol	10.739	330	236597	69.950	ng	0.00
45) 2-Fluorobiphenyl	9.269	172	1239786	50.995	ng	0.00
79) Terphenyl-d14	13.021	244	1121725	37.978	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.475	70	110559	11.016	ng	# 57
25) Isophorone	7.475	82	829900	30.209	ng	# 59
49) Acenaphthylene	9.810	152	111897	3.459	ng	97
50) Dimethylphthalate	9.657	163	52237	2.225	ng	# 94
51) 2,6-Dinitrotoluene	9.951	165	47131	9.257	ng	# 28
57) 2,4-Dinitrotoluene	9.951	165	47131	7.648	ng	# 20
67) 4-Bromophenyl-phenylether	10.733	248	15412	2.302	ng	# 1
71) Phenanthrene	11.457	178	320201	10.422	ng	98
72) Anthracene	11.510	178	157136	5.189	ng	98
73) Carbazole	11.663	167	96928	3.503	ng	97
75) Fluoranthene	12.651	202	1305691	42.831	ng	96
78) Pyrene	12.880	202	1177746	29.179	ng	95
81) Benzo(a)anthracene	14.068	228	732992	21.620	ng	93
83) Chrysene	14.109	228	1054720	31.458	ng	96
87) Indeno(1,2,3-cd)pyrene	16.921	276	119360	3.065	ng	94
88) Benzo(b)fluoranthene	15.145	252	2350940	59.530	ng	95
89) Benzo(k)fluoranthene	15.145	252	2350940	63.795	ng	98
90) Benzo(a)pyrene	15.515	252	750036	21.501	ng	97
91) Dibenzo(a,h)anthracene	17.103	278	168900	5.018	ng	95
92) Benzo(g,h,i)perylene	17.550	276	460472	14.187	ng	91

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

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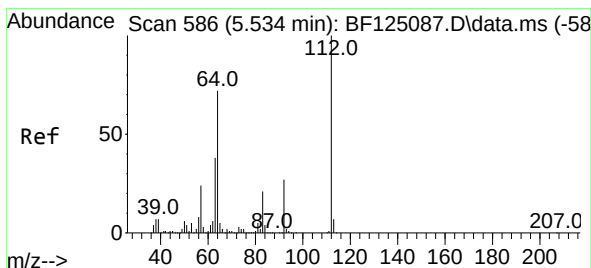
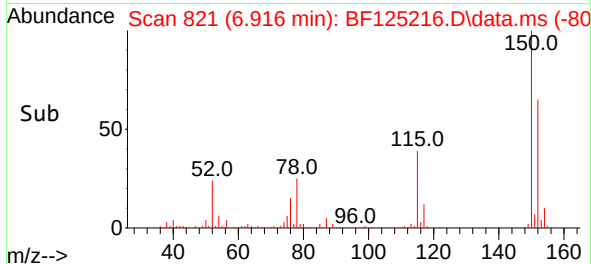
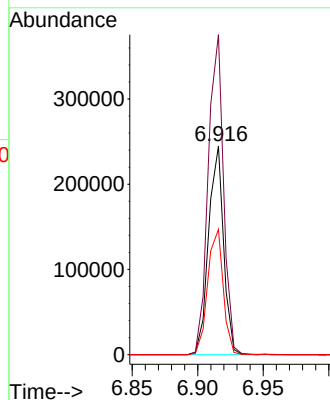
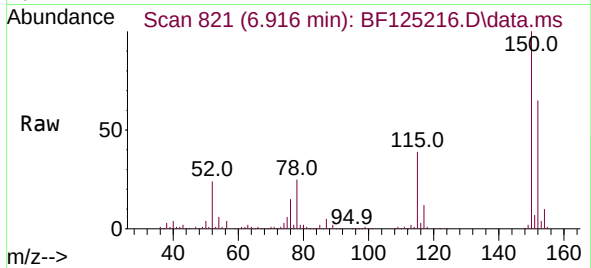




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.916 min Scan# 821
Delta R.T. -0.000 min
Lab File: BF125216.D
Acq: 25 Aug 2021 18:40

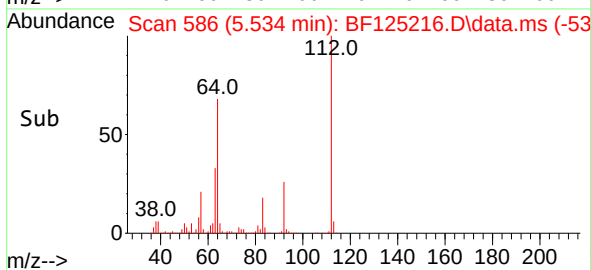
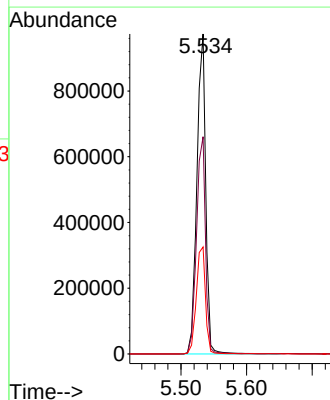
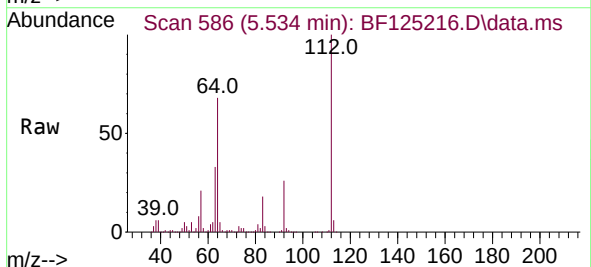
Instrument :
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SAMPLE-7-(291.00)

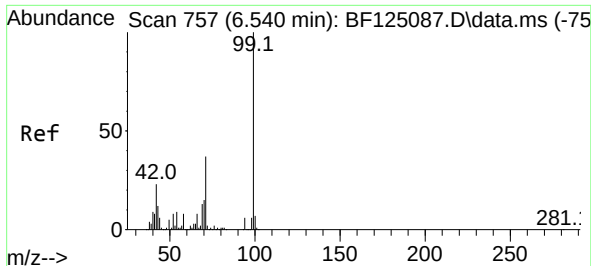
Tgt Ion:152 Resp: 195278
Ion Ratio Lower Upper
152 100
150 153.3 117.6 176.4
115 60.0 47.1 70.7



#5
2-Fluorophenol
Concen: 70.951 ng
RT: 5.534 min Scan# 586
Delta R.T. 0.006 min
Lab File: BF125216.D
Acq: 25 Aug 2021 18:40

Tgt Ion:112 Resp: 915381
Ion Ratio Lower Upper
112 100
64 67.9 44.2 66.2#
63 33.5 26.2 39.2

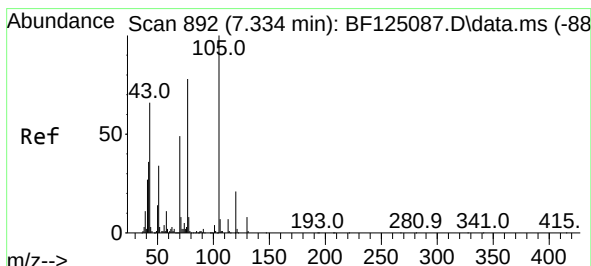
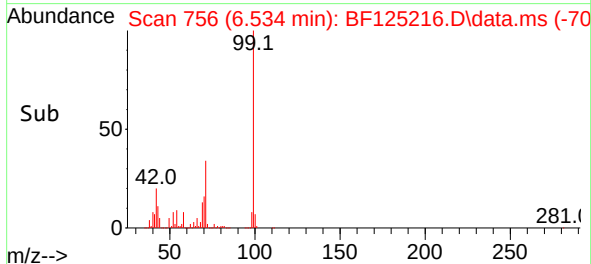
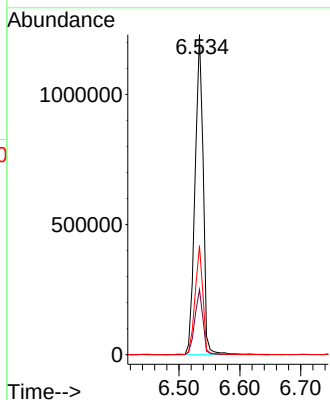
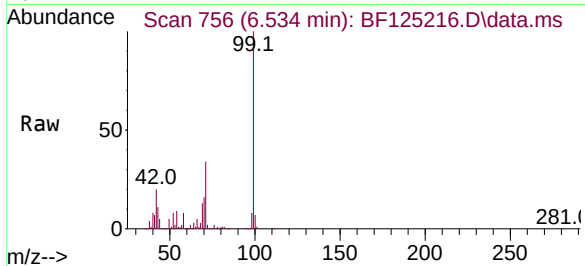




#7
Phenol-d6
Concen: 68.797 ng
RT: 6.534 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF125216.D
Acq: 25 Aug 2021 18:40

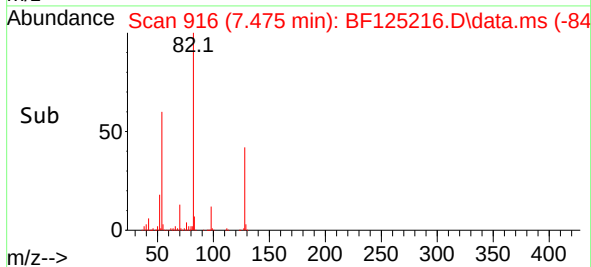
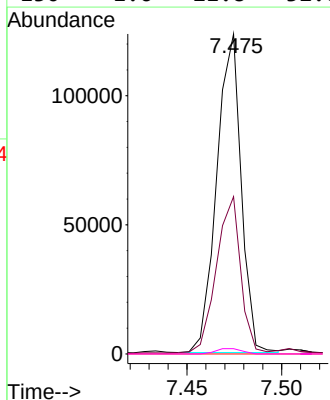
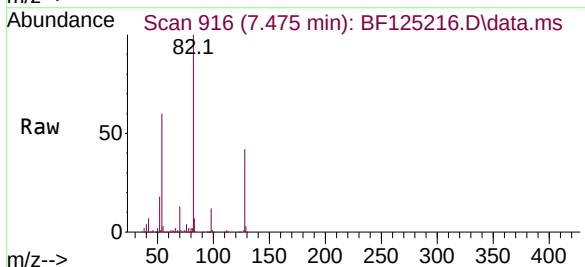
Instrument :
BNA_F
ClientSampleId :
SAMPLE-7-(291.00)

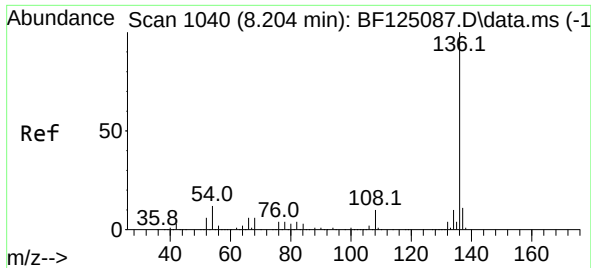
Tgt Ion: 99 Resp: 1147940
Ion Ratio Lower Upper
99 100
42 20.3 23.5 35.3#
71 34.1 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.016 ng
RT: 7.475 min Scan# 916
Delta R.T. 0.147 min
Lab File: BF125216.D
Acq: 25 Aug 2021 18:40

Tgt Ion: 70 Resp: 110559
Ion Ratio Lower Upper
70 100
42 49.1 72.2 108.2#
101 0.0 7.8 11.8#
130 1.6 21.8 32.6#



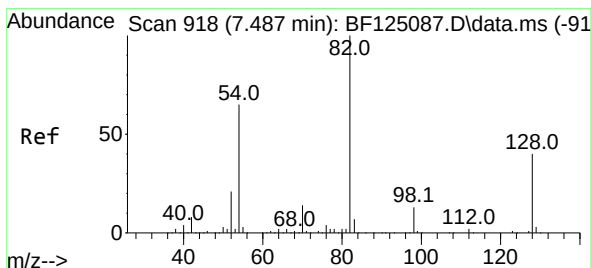
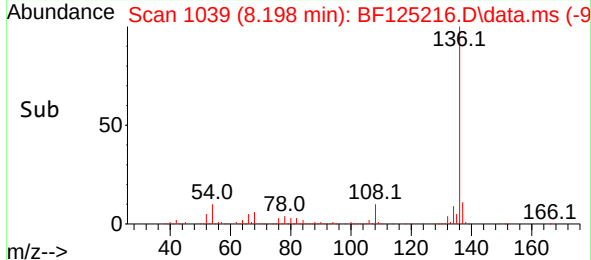
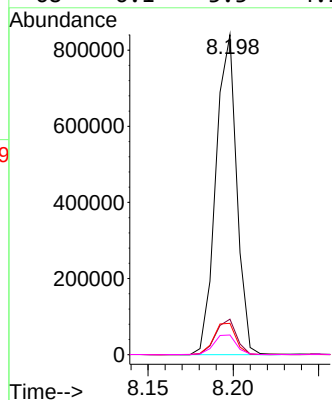
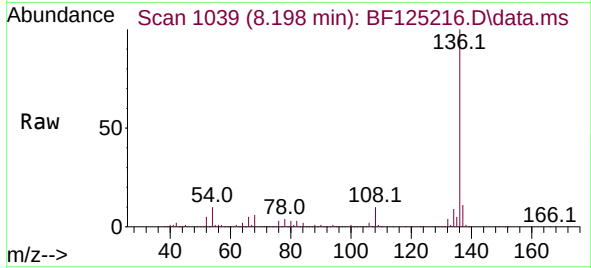


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.198 min Scan# 1039
Delta R.T. -0.000 min
Lab File: BF125216.D
Acq: 25 Aug 2021 18:40

Instrument :
BNA_F
ClientSampleId :
SAMPLE-7-(291.00)

Tgt Ion:136 Resp: 716934

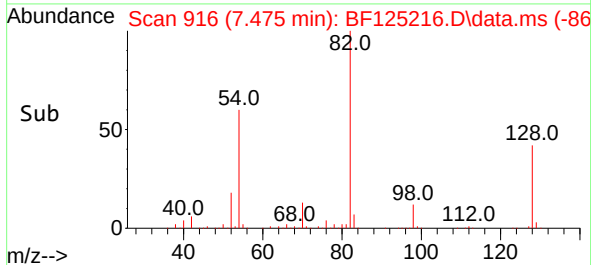
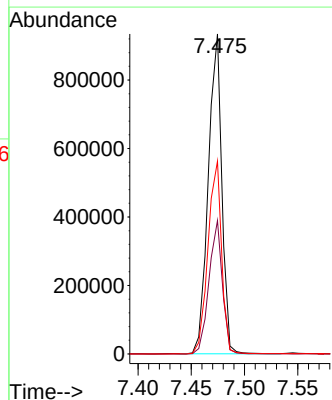
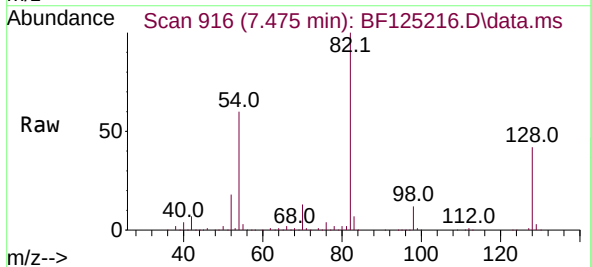
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.8	14.6
54	9.8	6.4	9.6#
68	6.1	3.3	4.9#

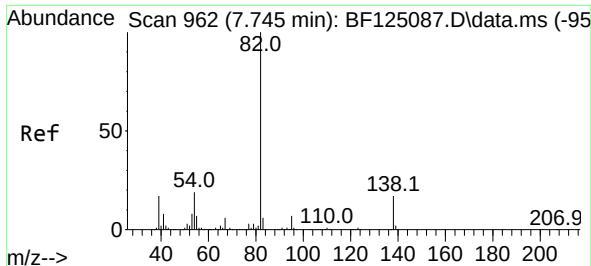


#23
Nitrobenzene-d5
Concen: 58.206 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.006 min
Lab File: BF125216.D
Acq: 25 Aug 2021 18:40

Tgt Ion: 82 Resp: 828888

Ion	Ratio	Lower	Upper
82	100		
128	41.7	40.6	60.8
54	60.2	49.6	74.4

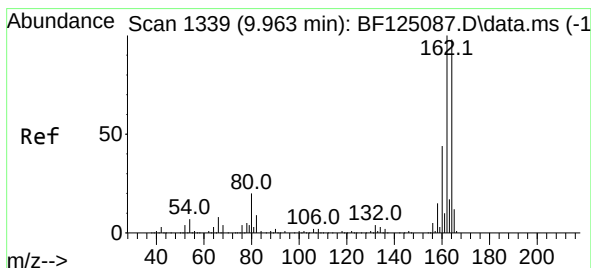
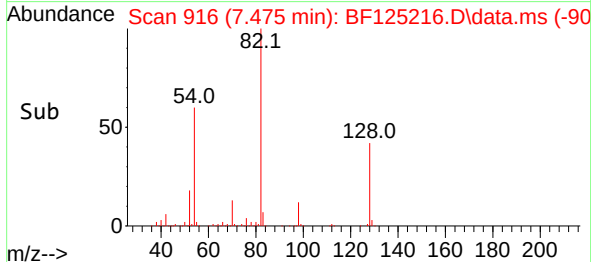
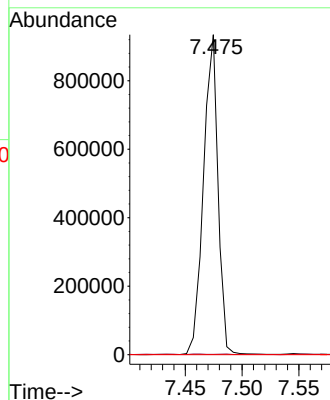
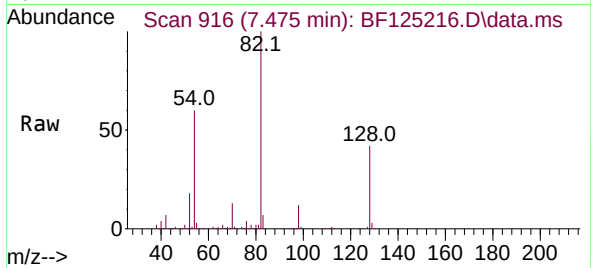




#25
Isophorone
Concen: 30.209 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.259 min
Lab File: BF125216.D
Acq: 25 Aug 2021 18:40

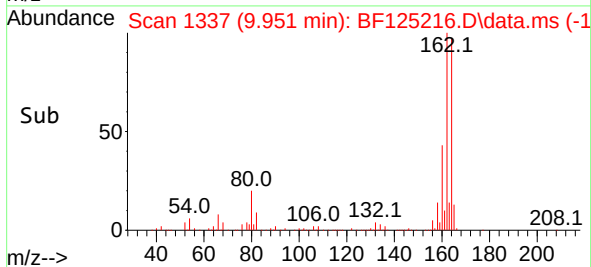
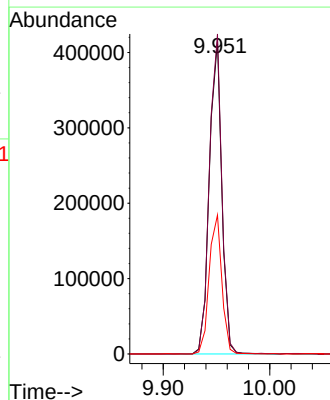
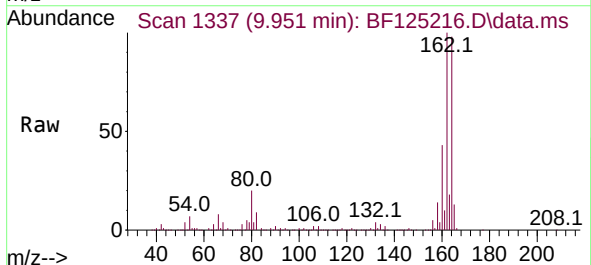
Instrument :
BNA_F
ClientSampleId :
SAMPLE-7-(291.00)

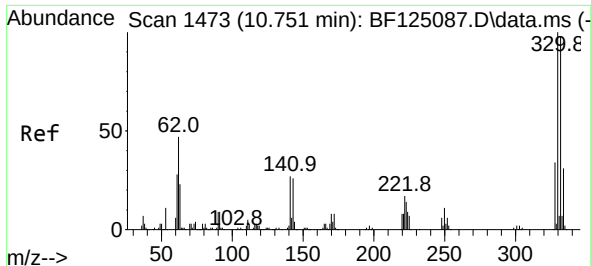
Tgt Ion: 82 Resp: 829900
Ion Ratio Lower Upper
82 100
95 0.1 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.951 min Scan# 1337
Delta R.T. -0.000 min
Lab File: BF125216.D
Acq: 25 Aug 2021 18:40

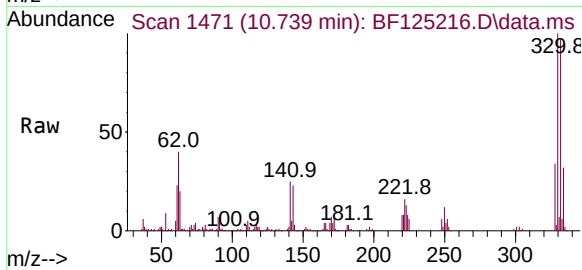
Tgt Ion:164 Resp: 338842
Ion Ratio Lower Upper
164 100
162 102.2 81.3 121.9
160 44.4 38.0 57.0



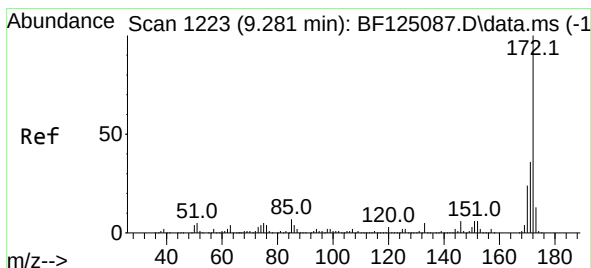
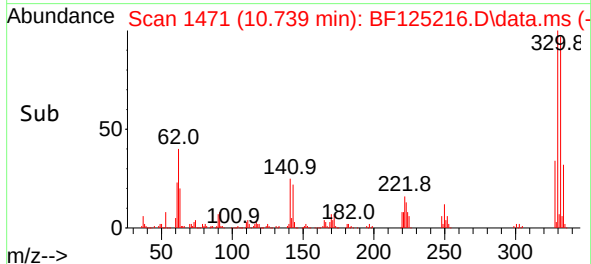
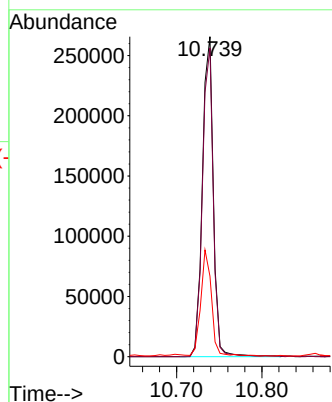


#42
2,4,6-Tribromophenol
Concen: 69.950 ng
RT: 10.739 min Scan# 1471
Delta R.T. -0.000 min
Lab File: BF125216.D
Acq: 25 Aug 2021 18:40

Instrument :
BNA_F
ClientSampleId :
SAMPLE-7-(291.00)

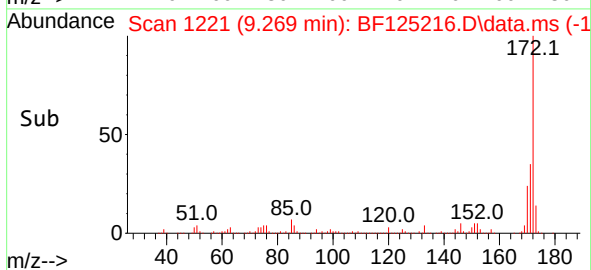
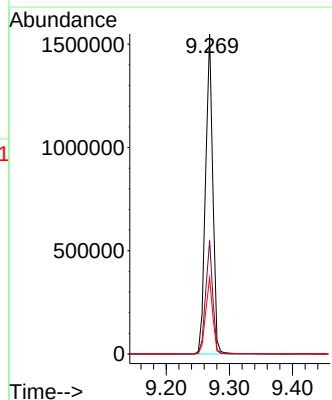
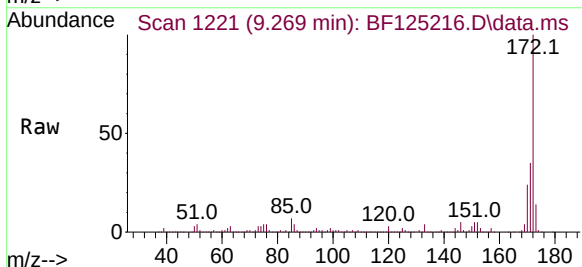


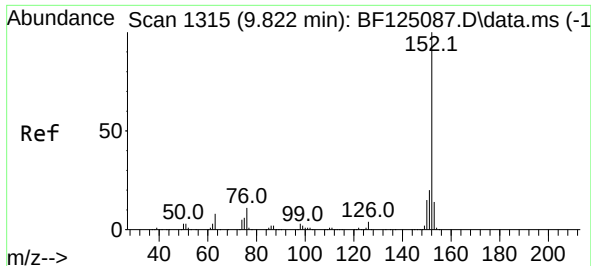
Tgt Ion: 330 Resp: 236597
Ion Ratio Lower Upper
330 100
332 95.5 76.2 114.4
141 32.5 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 50.995 ng
RT: 9.269 min Scan# 1221
Delta R.T. -0.006 min
Lab File: BF125216.D
Acq: 25 Aug 2021 18:40

Tgt Ion: 172 Resp: 1239786
Ion Ratio Lower Upper
172 100
171 35.4 26.5 39.7
170 23.7 18.8 28.2





#49

Acenaphthylene

Concen: 3.459 ng

RT: 9.810 min Scan# 1313

Delta R.T. -0.006 min

Lab File: BF125216.D

Acq: 25 Aug 2021 18:40

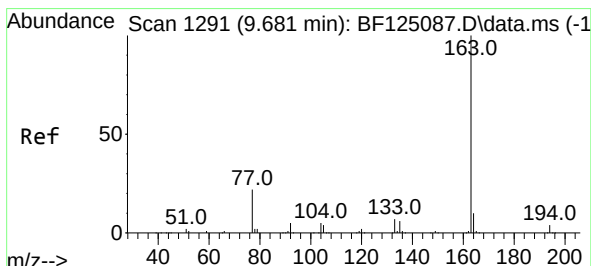
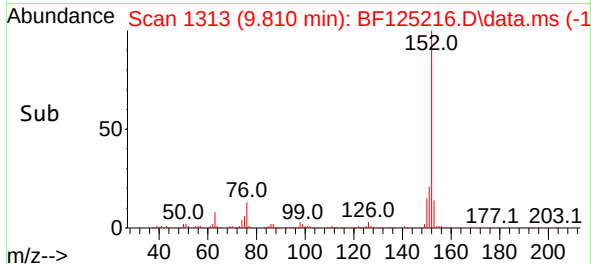
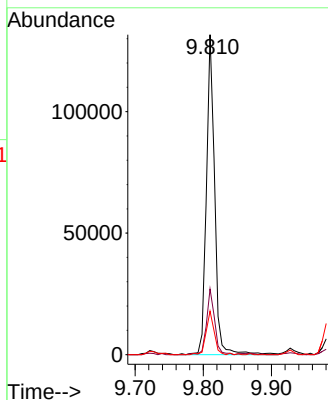
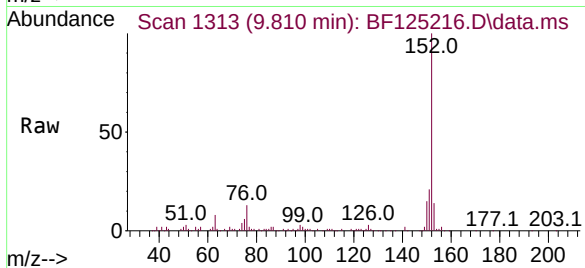
Instrument :

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ClientSampleId :

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Tgt Ion:152	Resp:	111897
Ion Ratio	Lower	Upper
152	100	
151	20.6	15.7 23.5
153	13.6	9.8 14.8



#50

Dimethylphthalate

Concen: 2.225 ng

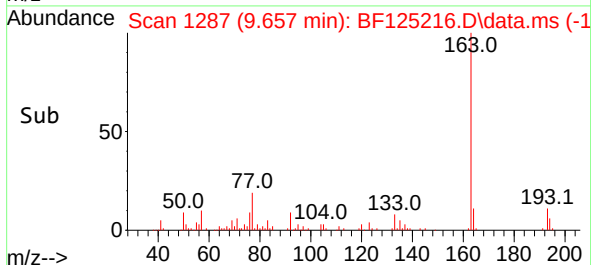
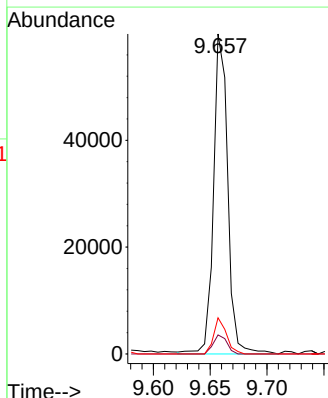
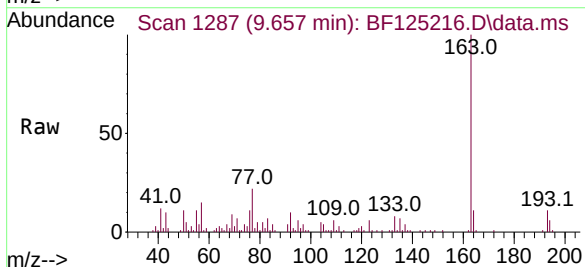
RT: 9.657 min Scan# 1287

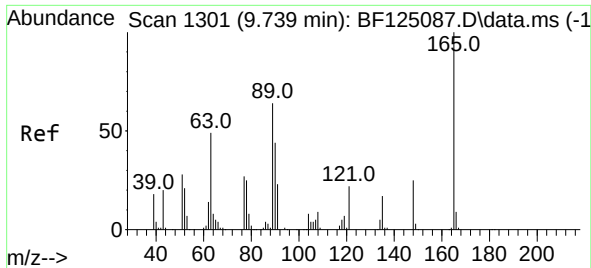
Delta R.T. -0.012 min

Lab File: BF125216.D

Acq: 25 Aug 2021 18:40

Tgt Ion:163	Resp:	52237
Ion Ratio	Lower	Upper
163	100	
194	5.9	2.6 3.8#
164	11.3	7.4 11.0#

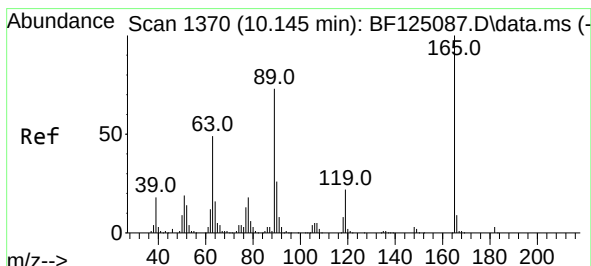
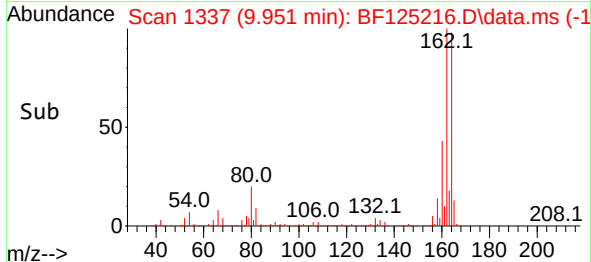
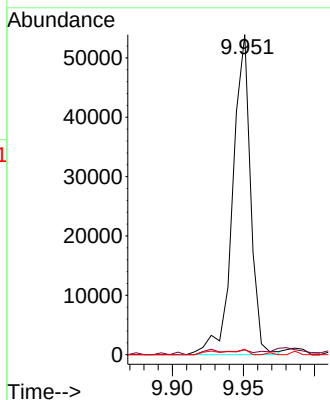
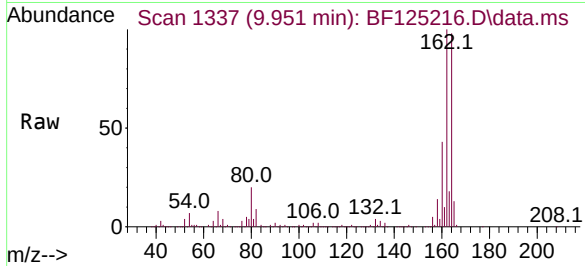




#51
2,6-Dinitrotoluene
Concen: 9.257 ng
RT: 9.951 min Scan# 1337
Delta R.T. 0.218 min
Lab File: BF125216.D
Acq: 25 Aug 2021 18:40

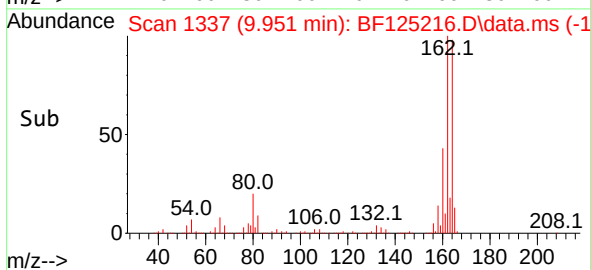
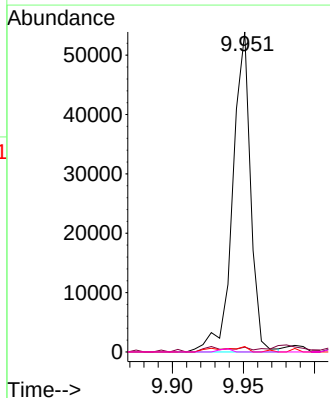
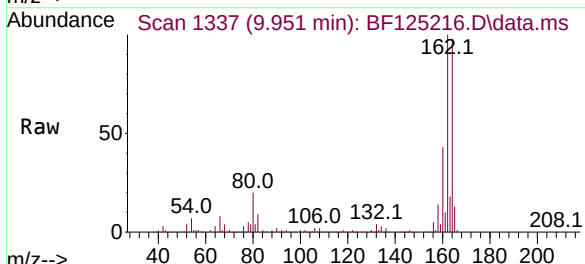
Instrument :
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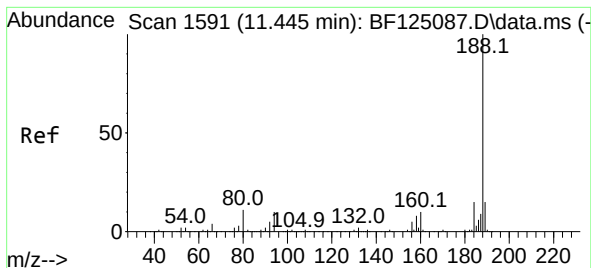
Tgt Ion:165 Resp: 47131
Ion Ratio Lower Upper
165 100
63 1.5 42.6 63.8#
89 1.7 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 7.648 ng
RT: 9.951 min Scan# 1337
Delta R.T. -0.182 min
Lab File: BF125216.D
Acq: 25 Aug 2021 18:40

Tgt Ion:165 Resp: 47131
Ion Ratio Lower Upper
165 100
63 1.5 40.9 61.3#
89 1.7 59.7 89.5#
182 0.0 0.0 0.0

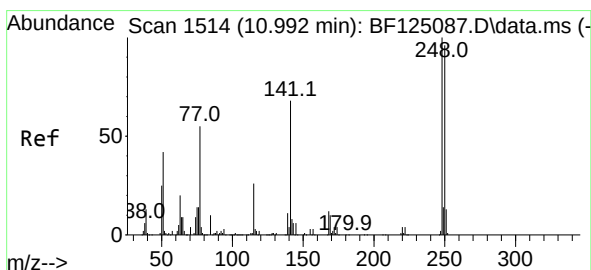
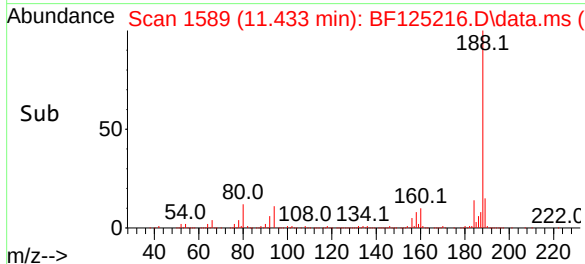
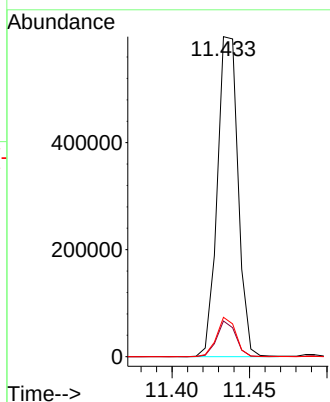
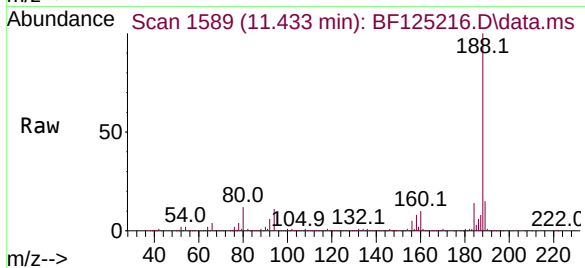




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF125216.D
Acq: 25 Aug 2021 18:40

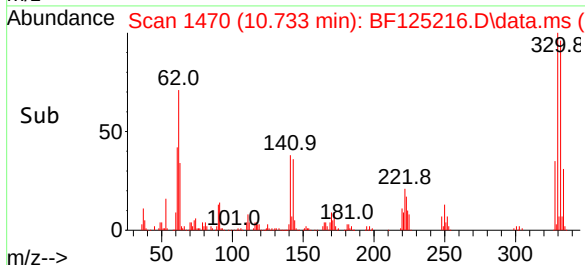
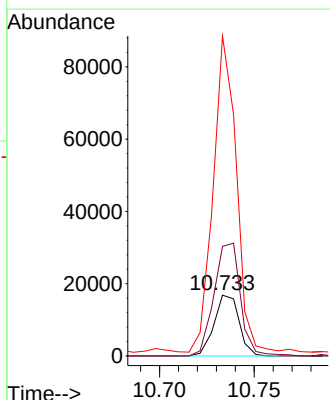
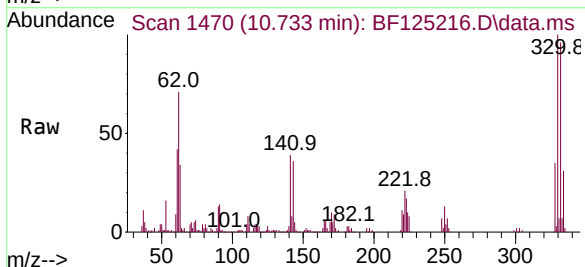
Instrument :
BNA_F
ClientSampleId :
SAMPLE-7-(291.00)

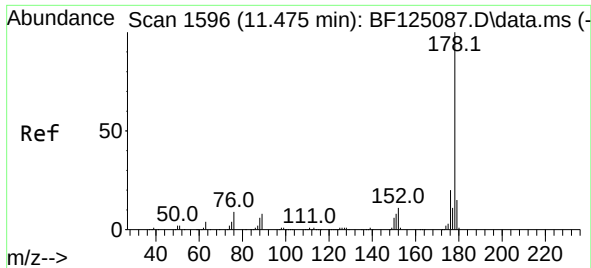
Tgt Ion:188 Resp: 557584
Ion Ratio Lower Upper
188 100
94 11.2 6.7 10.1#
80 12.3 7.5 11.3#



#67
4-Bromophenyl-phenylether
Concen: 2.302 ng
RT: 10.733 min Scan# 1470
Delta R.T. -0.247 min
Lab File: BF125216.D
Acq: 25 Aug 2021 18:40

Tgt Ion:248 Resp: 15412
Ion Ratio Lower Upper
248 100
250 180.4 74.2 111.4#
141 526.4 60.4 90.6#

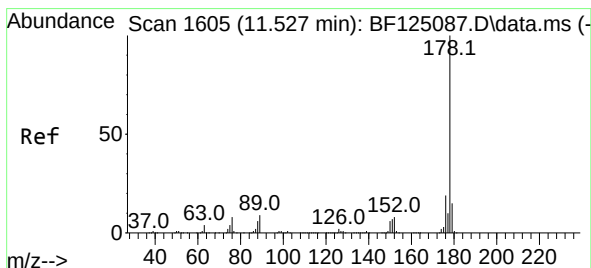
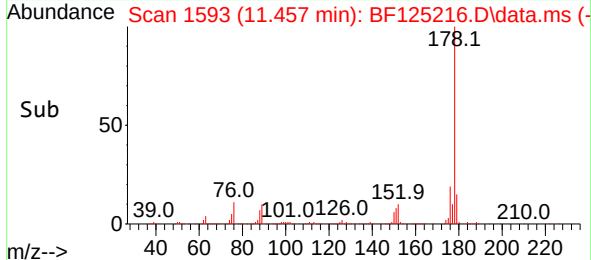
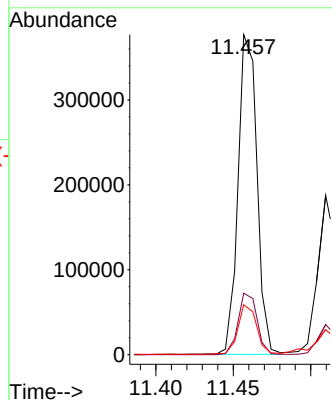
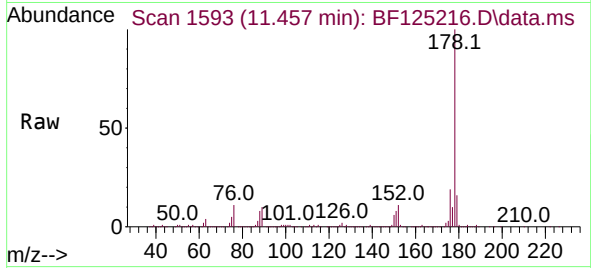




#71
Phenanthrene
Concen: 10.422 ng
RT: 11.457 min Scan# 1593
Delta R.T. -0.006 min
Lab File: BF125216.D
Acq: 25 Aug 2021 18:40

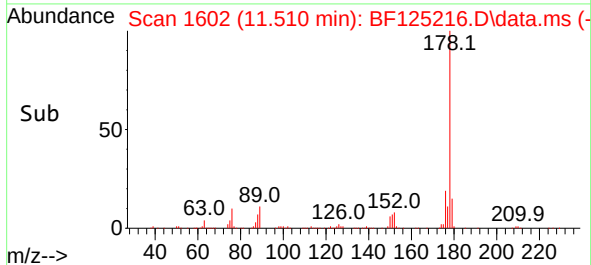
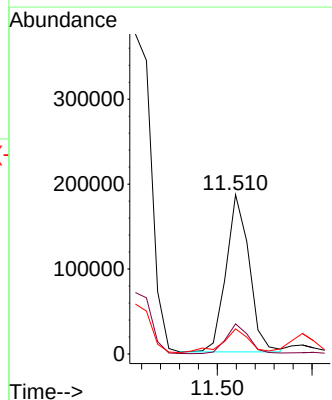
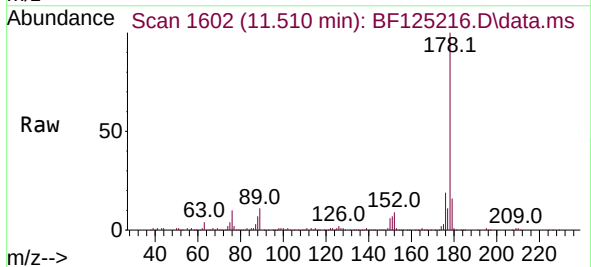
Instrument :
BNA_F
ClientSampleId :
SAMPLE-7-(291.00)

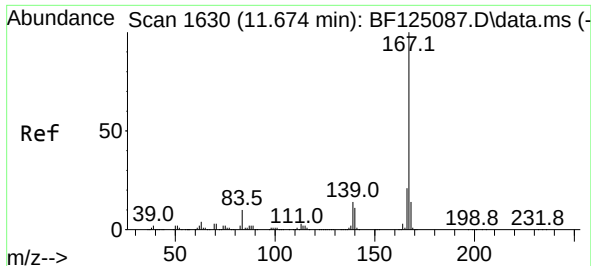
Tgt Ion:178 Resp: 320201
Ion Ratio Lower Upper
178 100
176 19.2 14.7 22.1
179 15.6 11.5 17.3



#72
Anthracene
Concen: 5.189 ng
RT: 11.510 min Scan# 1602
Delta R.T. -0.006 min
Lab File: BF125216.D
Acq: 25 Aug 2021 18:40

Tgt Ion:178 Resp: 157136
Ion Ratio Lower Upper
178 100
176 18.9 14.3 21.5
179 15.8 12.2 18.4

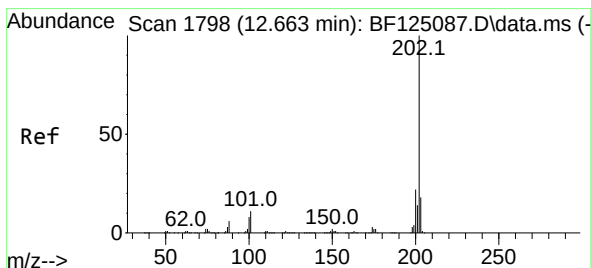
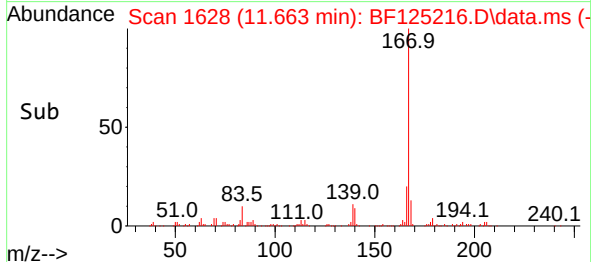
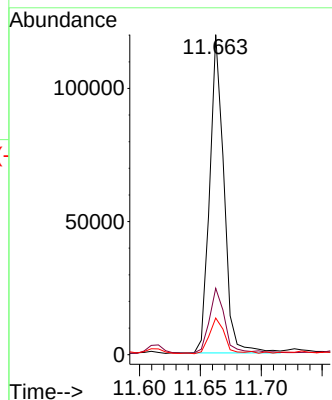
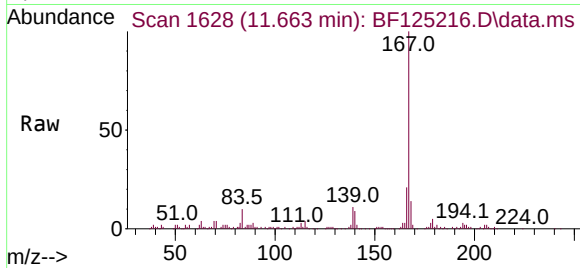




#73
 Carbazole
 Concen: 3.503 ng
 RT: 11.663 min Scan# 1628
 Delta R.T. -0.006 min
 Lab File: BF125216.D
 Acq: 25 Aug 2021 18:40

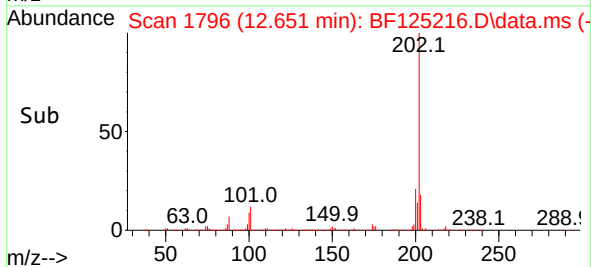
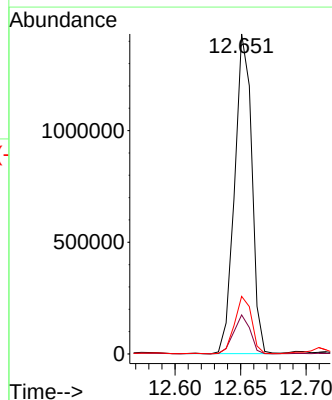
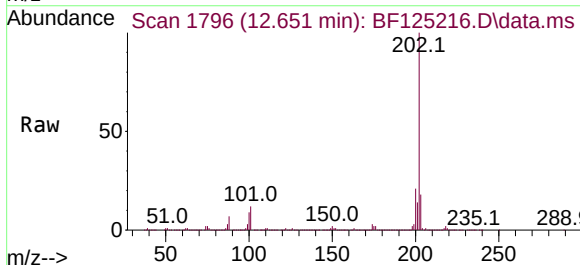
Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-7-(291.00)

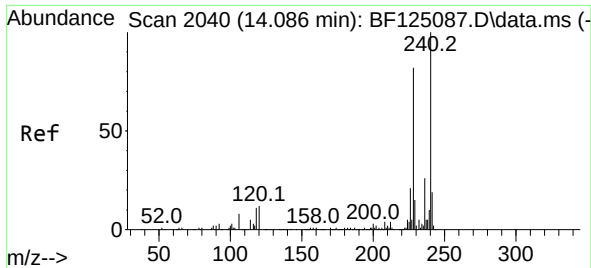
Tgt Ion:167 Resp: 96928
 Ion Ratio Lower Upper
 167 100
 166 20.7 17.4 26.0
 139 11.4 11.0 16.4



#75
 Fluoranthene
 Concen: 42.831 ng
 RT: 12.651 min Scan# 1796
 Delta R.T. -0.000 min
 Lab File: BF125216.D
 Acq: 25 Aug 2021 18:40

Tgt Ion:202 Resp: 1305691
 Ion Ratio Lower Upper
 202 100
 101 12.2 0.0 30.7
 203 18.0 0.0 36.3

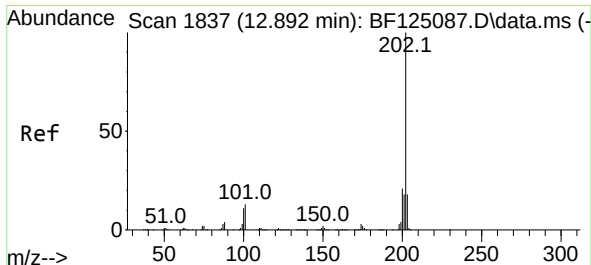
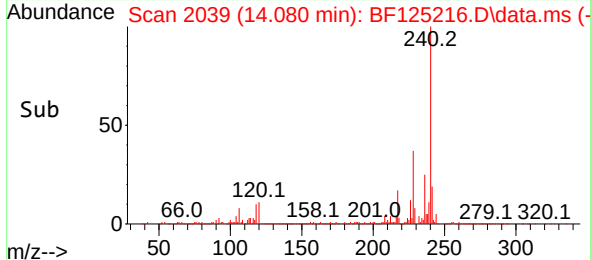
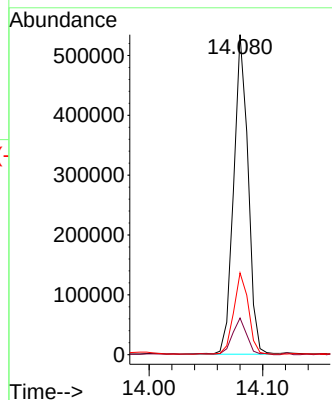
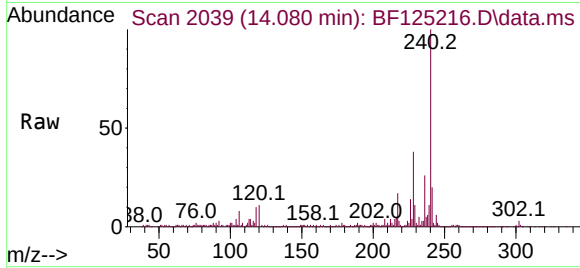




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2039
Delta R.T. -0.000 min
Lab File: BF125216.D
Acq: 25 Aug 2021 18:40

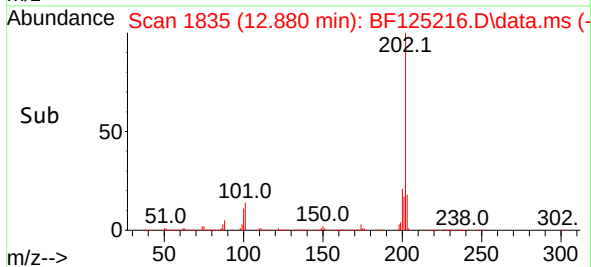
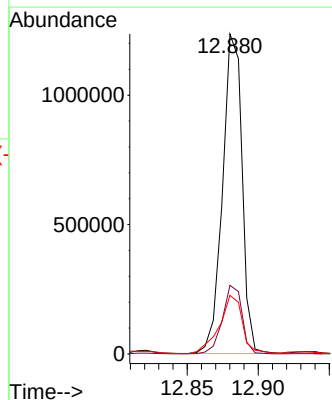
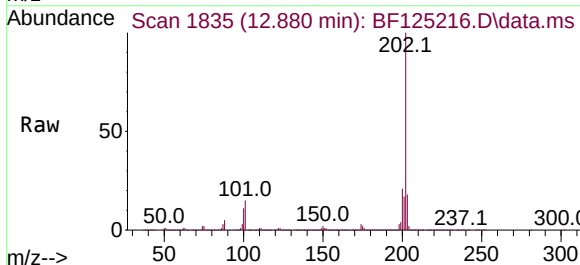
Instrument :
BNA_F
ClientSampleId :
SAMPLE-7-(291.00)

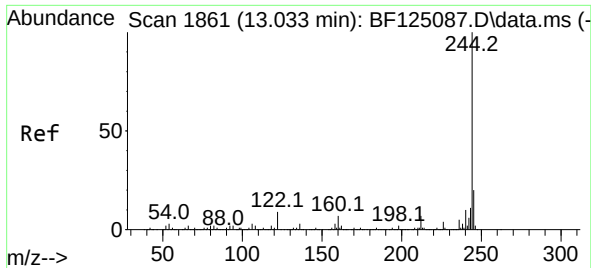
Tgt Ion:240 Resp: 470542
Ion Ratio Lower Upper
240 100
120 11.4 10.8 16.2
236 25.5 21.6 32.4



#78
Pyrene
Concen: 29.179 ng
RT: 12.880 min Scan# 1835
Delta R.T. -0.006 min
Lab File: BF125216.D
Acq: 25 Aug 2021 18:40

Tgt Ion:202 Resp: 1177746
Ion Ratio Lower Upper
202 100
200 21.5 15.3 22.9
203 18.3 13.4 20.0

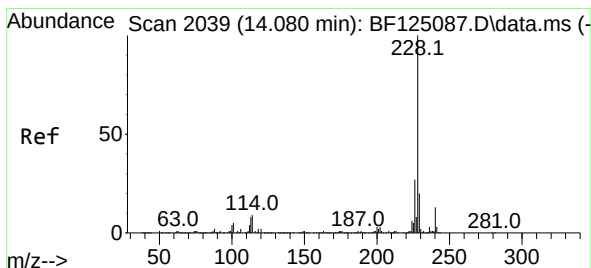
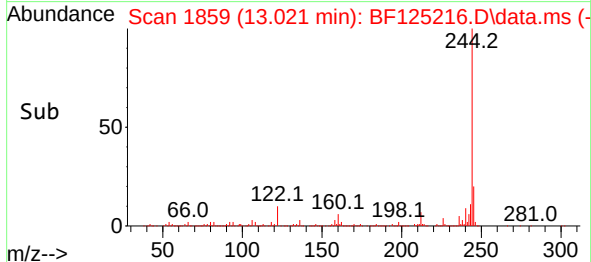
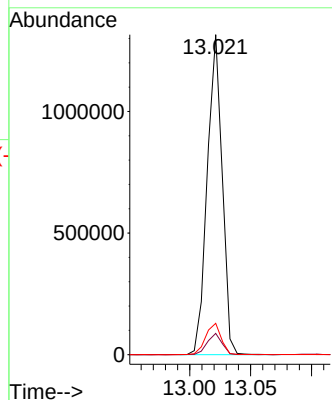
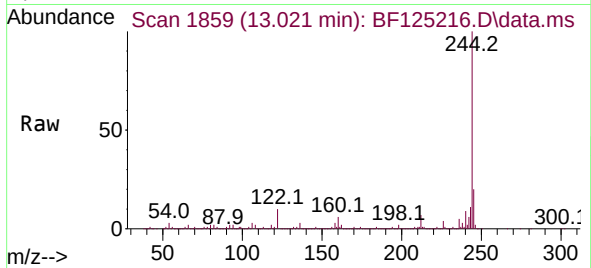




#79
Terphenyl-d14
Concen: 37.978 ng
RT: 13.021 min Scan# 1859
Delta R.T. -0.000 min
Lab File: BF125216.D
Acq: 25 Aug 2021 18:40

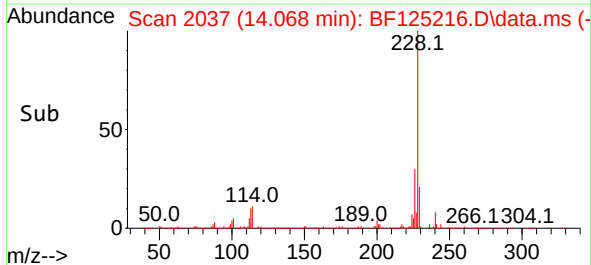
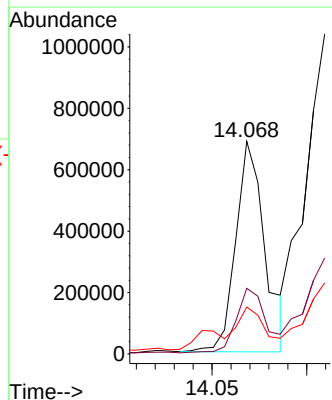
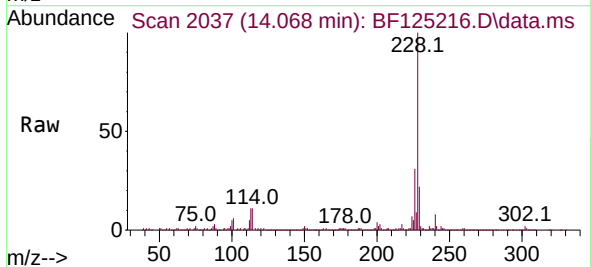
Instrument :
BNA_F
ClientSampleId :
SAMPLE-7-(291.00)

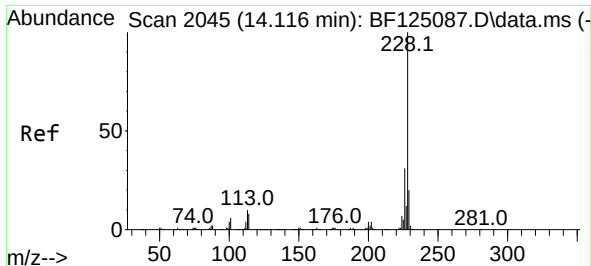
Tgt Ion:244 Resp: 1121725
Ion Ratio Lower Upper
244 100
212 6.7 5.9 8.9
122 9.8 9.0 13.4



#81
Benzo(a)anthracene
Concen: 21.620 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.000 min
Lab File: BF125216.D
Acq: 25 Aug 2021 18:40

Tgt Ion:228 Resp: 732992
Ion Ratio Lower Upper
228 100
226 30.8 21.6 32.4
229 22.1 15.6 23.4

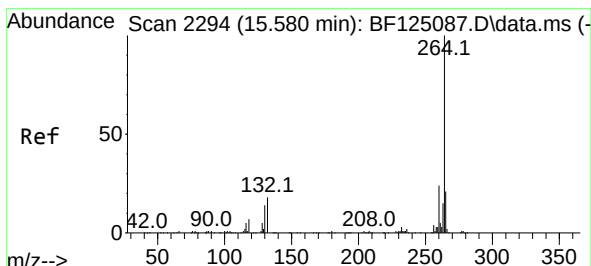
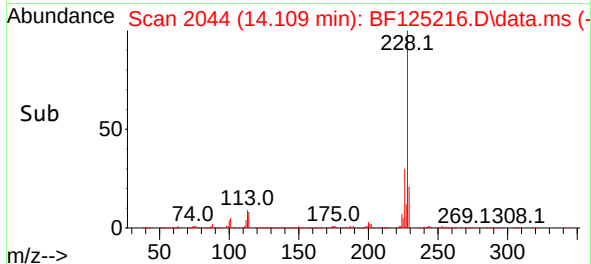
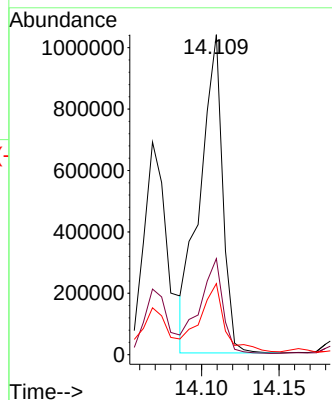
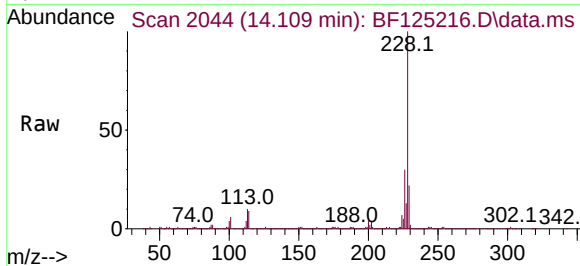




#83
Chrysene
Concen: 31.458 ng
RT: 14.109 min Scan# 2044
Delta R.T. -0.000 min
Lab File: BF125216.D
Acq: 25 Aug 2021 18:40

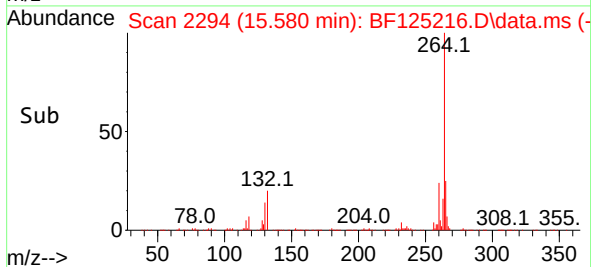
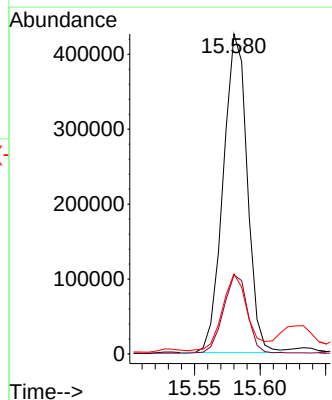
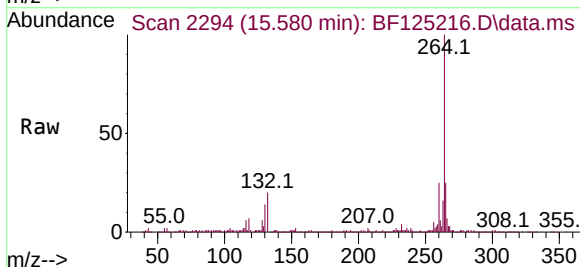
Instrument :
BNA_F
ClientSampleId :
SAMPLE-7-(291.00)

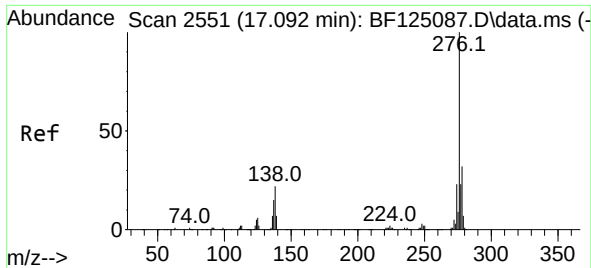
Tgt Ion:228 Resp: 1054720
Ion Ratio Lower Upper
228 100
226 30.0 22.6 34.0
229 22.2 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2294
Delta R.T. 0.006 min
Lab File: BF125216.D
Acq: 25 Aug 2021 18:40

Tgt Ion:264 Resp: 540550
Ion Ratio Lower Upper
264 100
260 24.6 19.6 29.4
265 25.0 17.2 25.8

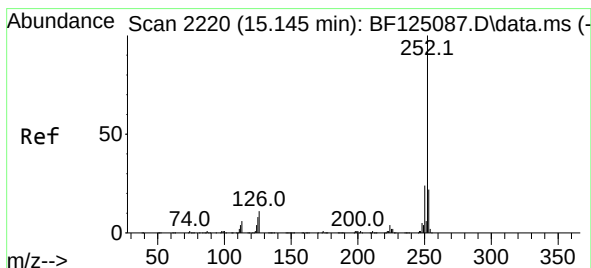
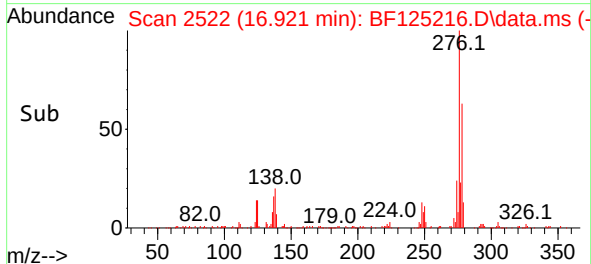
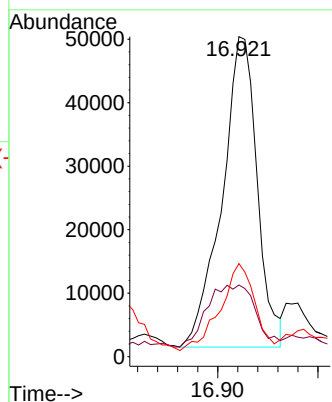
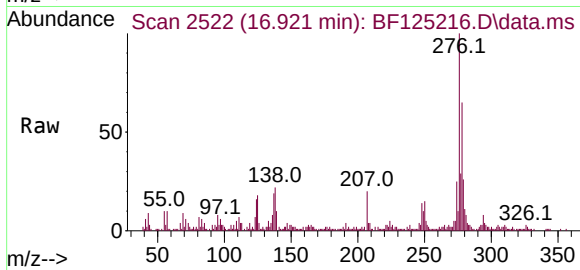




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.065 ng
 RT: 16.921 min Scan# 2522
 Delta R.T. -0.171 min
 Lab File: BF125216.D
 Acq: 25 Aug 2021 18:40

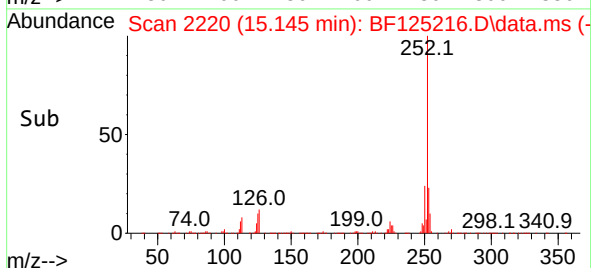
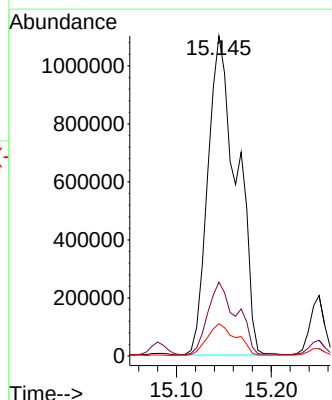
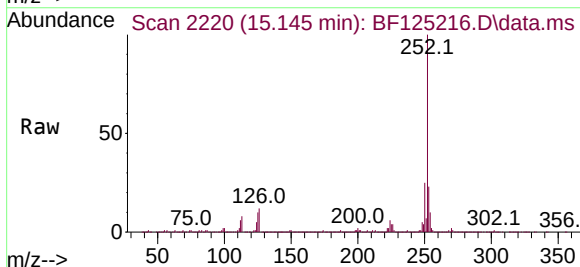
Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-7-(291.00)

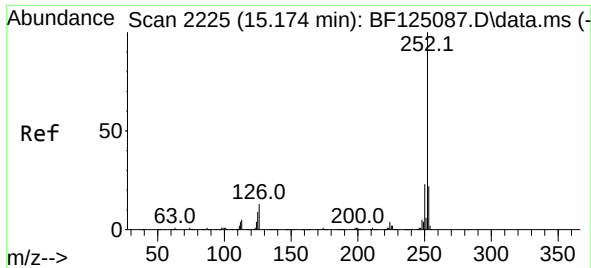
Tgt Ion:276 Resp: 119360
 Ion Ratio Lower Upper
 276 100
 138 27.6 24.1 36.1
 277 27.3 18.8 28.2



#88
 Benzo(b)fluoranthene
 Concen: 59.530 ng
 RT: 15.145 min Scan# 2220
 Delta R.T. 0.012 min
 Lab File: BF125216.D
 Acq: 25 Aug 2021 18:40

Tgt Ion:252 Resp: 2350940
 Ion Ratio Lower Upper
 252 100
 253 23.1 16.8 25.2
 125 10.1 9.8 14.8

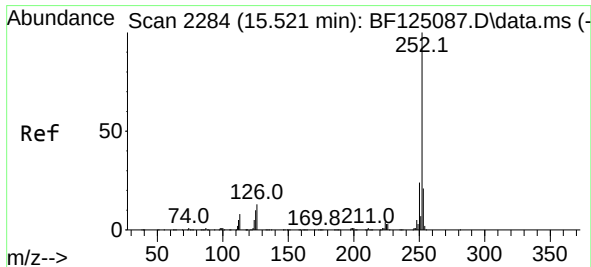
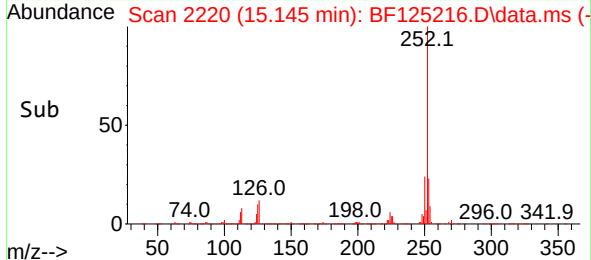
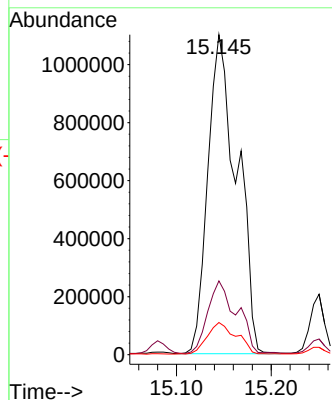
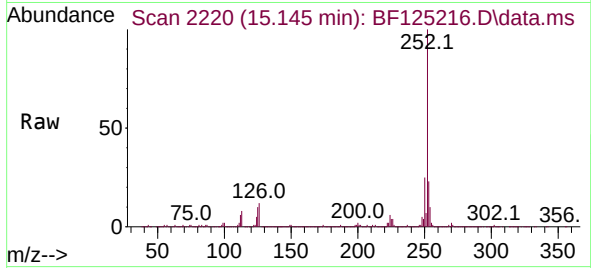




#89
Benzo(k)fluoranthene
Concen: 63.795 ng
RT: 15.145 min Scan# 2220
Delta R.T. -0.024 min
Lab File: BF125216.D
Acq: 25 Aug 2021 18:40

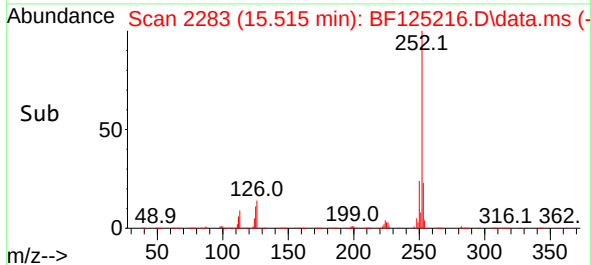
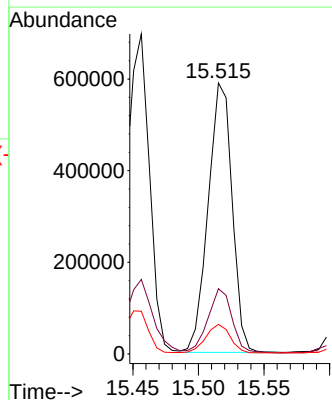
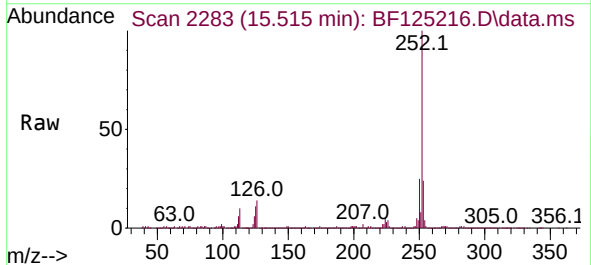
Instrument :
BNA_F
ClientSampleId :
SAMPLE-7-(291.00)

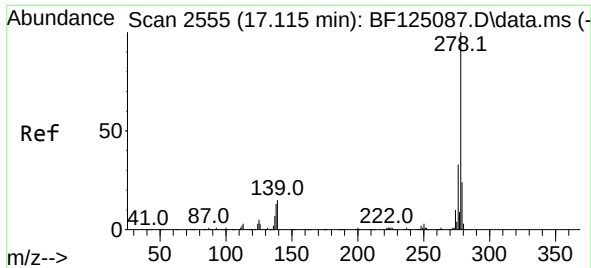
Tgt Ion:252 Resp: 2350940
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 10.1 7.2 10.8



#90
Benzo(a)pyrene
Concen: 21.501 ng
RT: 15.515 min Scan# 2283
Delta R.T. -0.000 min
Lab File: BF125216.D
Acq: 25 Aug 2021 18:40

Tgt Ion:252 Resp: 750036
Ion Ratio Lower Upper
252 100
253 24.1 18.4 27.6
125 10.9 9.9 14.9

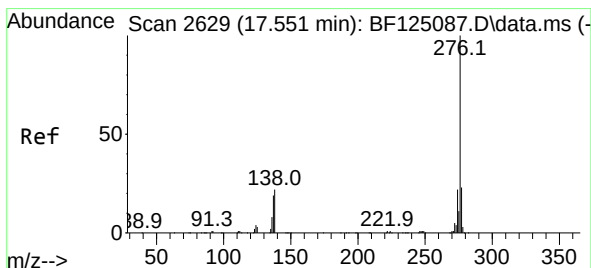
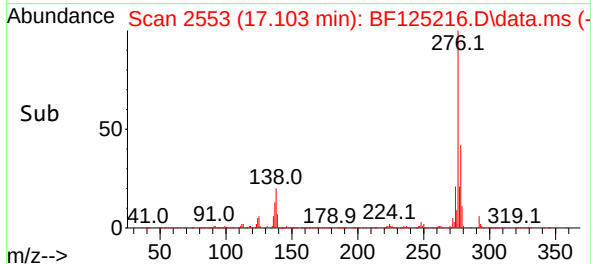
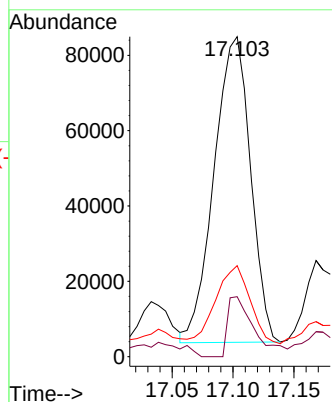
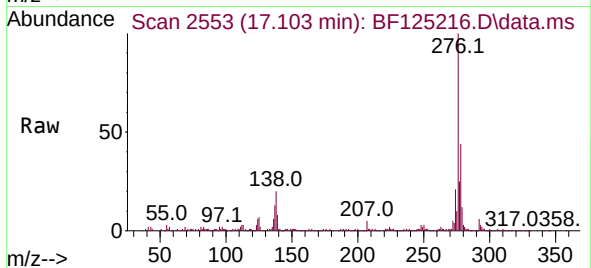




#91
Dibenzo(a,h)anthracene
Concen: 5.018 ng
RT: 17.103 min Scan# 2553
Delta R.T. -0.006 min
Lab File: BF125216.D
Acq: 25 Aug 2021 18:40

Instrument :
BNA_F
ClientSampleId :
SAMPLE-7-(291.00)

Tgt Ion:278 Resp: 168900
Ion Ratio Lower Upper
278 100
139 18.8 14.9 22.3
279 28.4 19.7 29.5



#92
Benzo(g,h,i)perylene
Concen: 14.187 ng
RT: 17.550 min Scan# 2629
Delta R.T. -0.000 min
Lab File: BF125216.D
Acq: 25 Aug 2021 18:40

Tgt Ion:276 Resp: 460472
Ion Ratio Lower Upper
276 100
277 23.8 22.0 33.0
138 22.2 22.2 33.4

