

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
 Data File : BF125215.D
 Acq On : 25 Aug 2021 18:06
 Operator : JU/CG
 Sample : M3467-21
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-6-(203.30)

Quant Time: Aug 26 01:35:59 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)

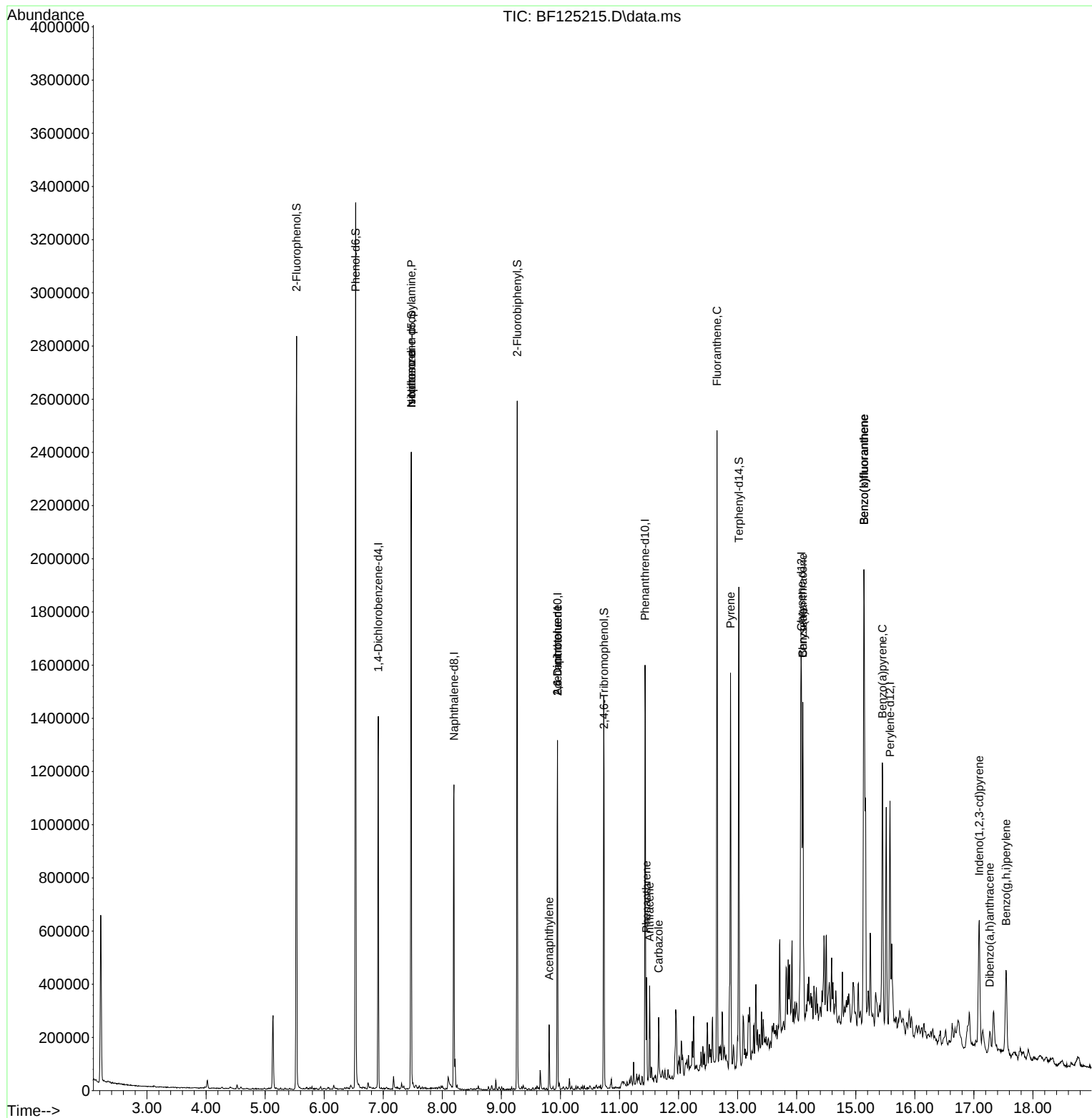
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	194596	20.000	ng	0.00
21) Naphthalene-d8	8.198	136	506442	20.000	ng	# 0.00
39) Acenaphthene-d10	9.951	164	247883	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	571957	20.000	ng	# 0.00
76) Chrysene-d12	14.080	240	315423	20.000	ng	# 0.00
86) Perylene-d12	15.580	264	369057	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	717148	55.781	ng	0.00
7) Phenol-d6	6.534	99	1039145	62.495	ng	0.00
23) Nitrobenzene-d5	7.475	82	719561	71.530	ng	0.00
42) 2,4,6-Tribromophenol	10.739	330	171211	69.192	ng	0.00
45) 2-Fluorobiphenyl	9.269	172	728522	40.961	ng	0.00
79) Terphenyl-d14	13.021	244	592705	29.935	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.475	70	98033	9.802	ng	# 56
25) Isophorone	7.475	82	719551	37.078	ng	# 59
49) Acenaphthylene	9.810	152	93948	3.970	ng	99
51) 2,6-Dinitrotoluene	9.951	165	31586	8.480	ng	# 27
57) 2,4-Dinitrotoluene	9.951	165	31586	7.006	ng	# 19
71) Phenanthrene	11.457	178	135697	4.306	ng	99
72) Anthracene	11.510	178	125695	4.046	ng	98
73) Carbazole	11.663	167	83465	2.940	ng	98
75) Fluoranthene	12.651	202	873923	27.947	ng	97
78) Pyrene	12.880	202	592760	21.908	ng	96
81) Benzo(a)anthracene	14.104	228	567873	24.987	ng	96
83) Chrysene	14.104	228	567873	25.266	ng	98
87) Indeno(1,2,3-cd)pyrene	17.092	276	340125	12.793	ng	# 86
88) Benzo(b)fluoranthene	15.139	252	1351746	50.134	ng	# 93
89) Benzo(k)fluoranthene	15.139	252	1351746	53.726	ng	98
90) Benzo(a)pyrene	15.451	252	499964	20.992	ng	98
91) Dibenzo(a,h)anthracene	17.268	278	49522	2.155	ng	95
92) Benzo(g,h,i)perylene	17.545	276	266704	12.035	ng	# 87

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

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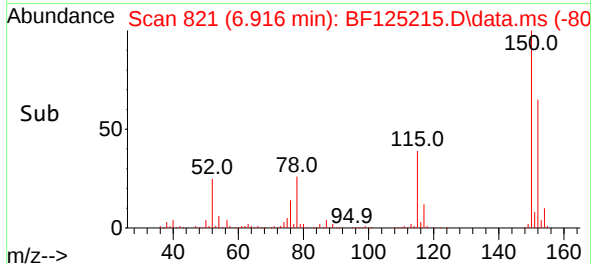
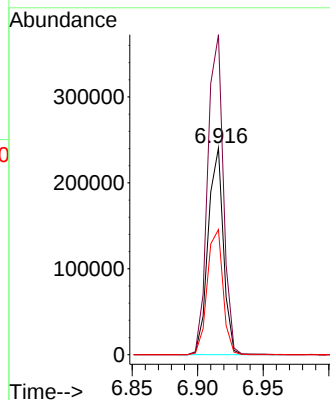
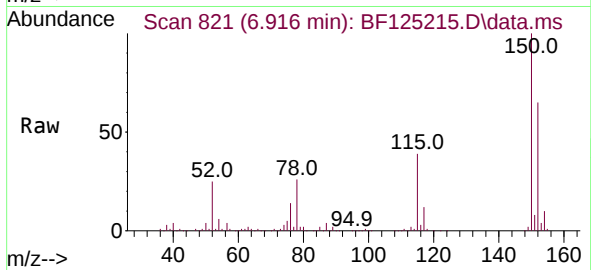




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.916 min Scan# 821
Delta R.T. -0.000 min
Lab File: BF125215.D
Acq: 25 Aug 2021 18:06

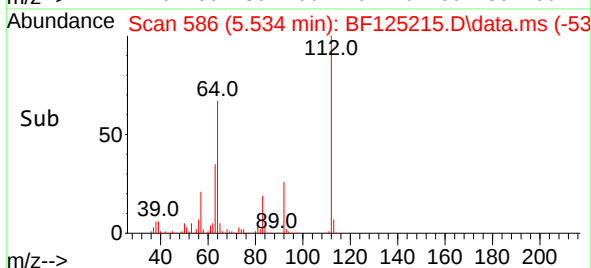
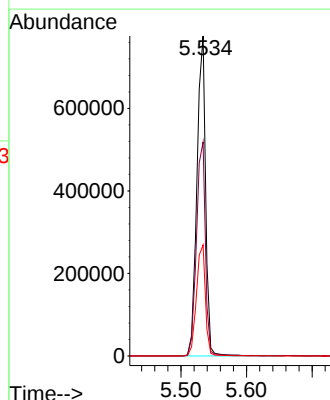
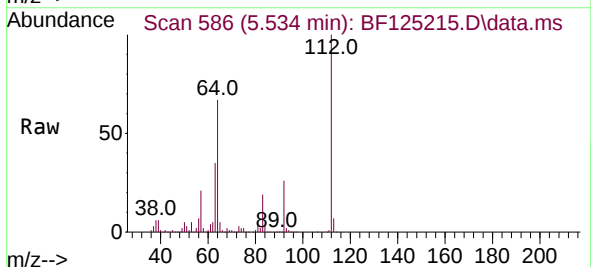
Instrument :
BNA_F
ClientSampleId :
SAMPLE-6-(203.30)

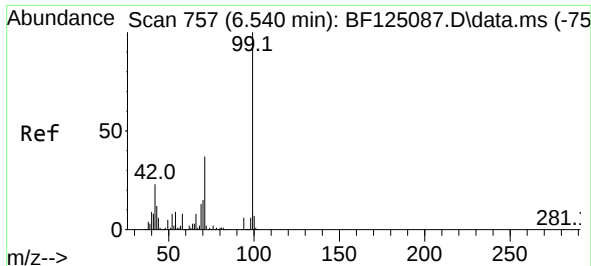
Tgt Ion:152 Resp: 194596
Ion Ratio Lower Upper
152 100
150 154.8 117.6 176.4
115 60.5 47.1 70.7



#5
2-Fluorophenol
Concen: 55.781 ng
RT: 5.534 min Scan# 586
Delta R.T. 0.006 min
Lab File: BF125215.D
Acq: 25 Aug 2021 18:06

Tgt Ion:112 Resp: 717148
Ion Ratio Lower Upper
112 100
64 66.8 44.2 66.2#
63 34.7 26.2 39.2

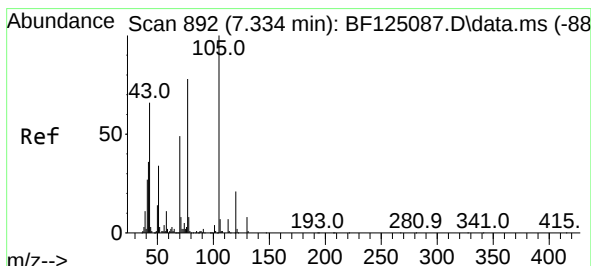
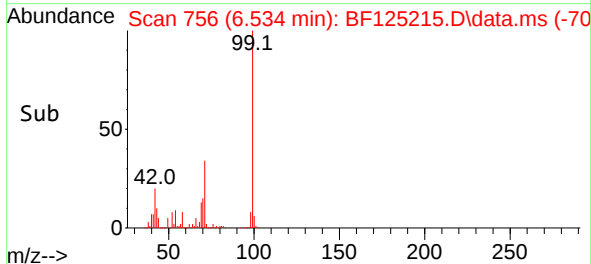
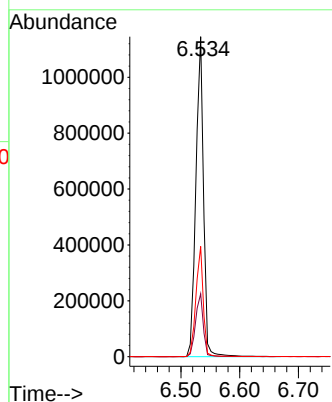
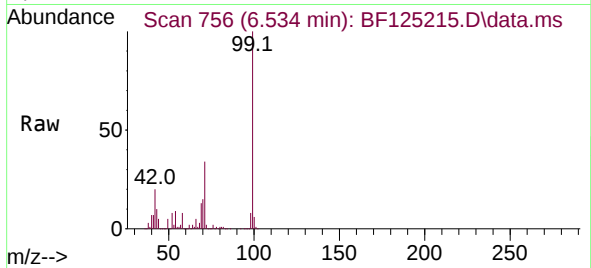




#7
Phenol-d6
Concen: 62.495 ng
RT: 6.534 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF125215.D
Acq: 25 Aug 2021 18:06

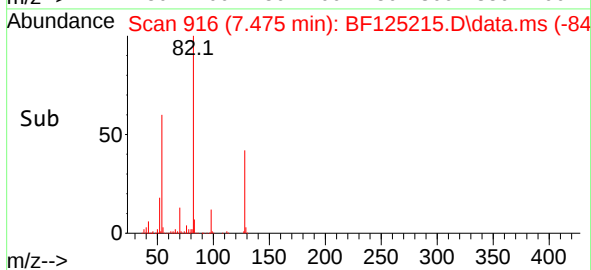
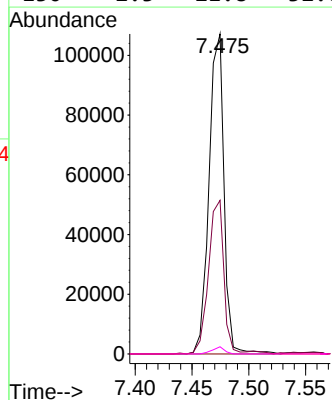
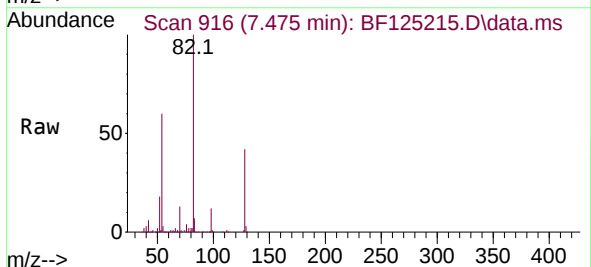
Instrument :
BNA_F
ClientSampleId :
SAMPLE-6-(203.30)

Tgt Ion: 99 Resp: 1039145
Ion Ratio Lower Upper
99 100
42 19.6 23.5 35.3#
71 34.5 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 9.802 ng
RT: 7.475 min Scan# 916
Delta R.T. 0.147 min
Lab File: BF125215.D
Acq: 25 Aug 2021 18:06

Tgt Ion: 70 Resp: 98033
Ion Ratio Lower Upper
70 100
42 48.0 72.2 108.2#
101 0.0 7.8 11.8#
130 2.3 21.8 32.6#

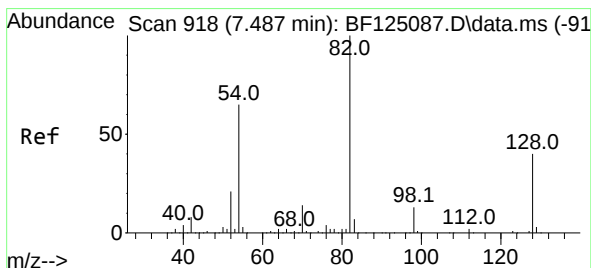
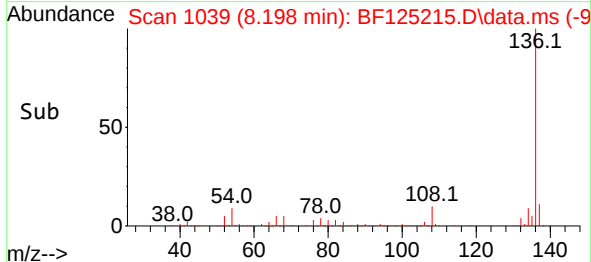
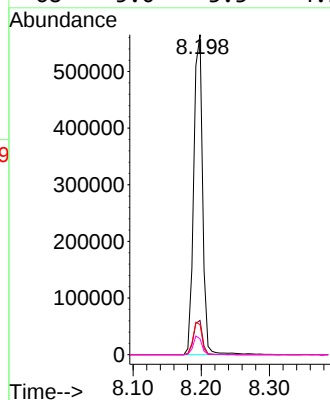
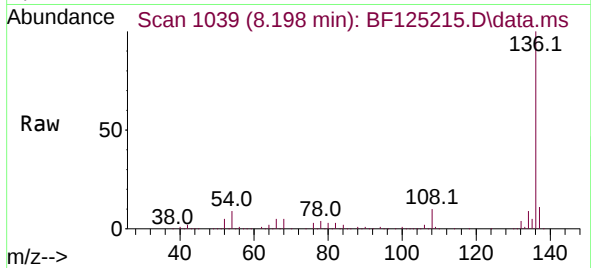




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.198 min Scan# 1039
Delta R.T. -0.000 min
Lab File: BF125215.D
Acq: 25 Aug 2021 18:06

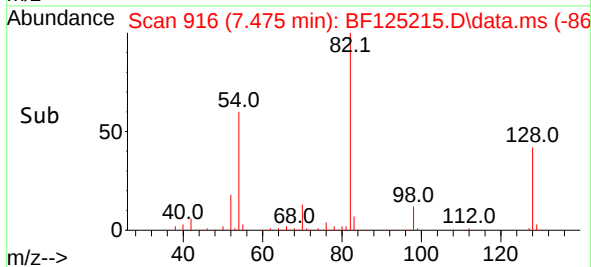
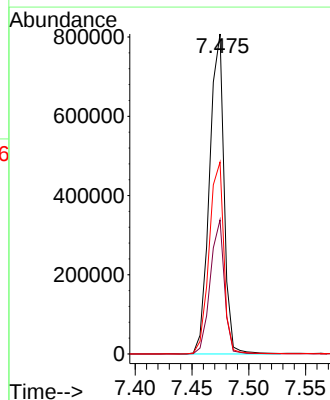
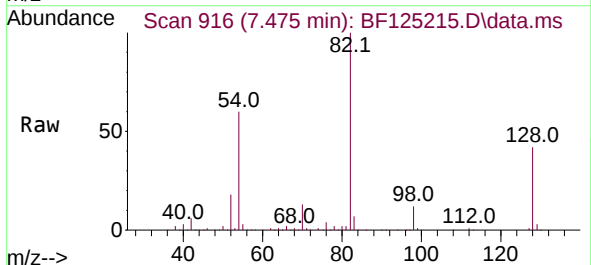
Instrument :
BNA_F
ClientSampleId :
SAMPLE-6-(203.30)

Tgt Ion:	136	Resp:	506442
Ion Ratio	Lower	Upper	
136	100		
137	10.7	9.8	14.6
54	9.4	6.4	9.6
68	5.0	3.3	4.9



#23
Nitrobenzene-d5
Concen: 71.530 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.006 min
Lab File: BF125215.D
Acq: 25 Aug 2021 18:06

Tgt Ion:	82	Resp:	719561
Ion Ratio	Lower	Upper	
82	100		
128	41.9	40.6	60.8
54	60.0	49.6	74.4

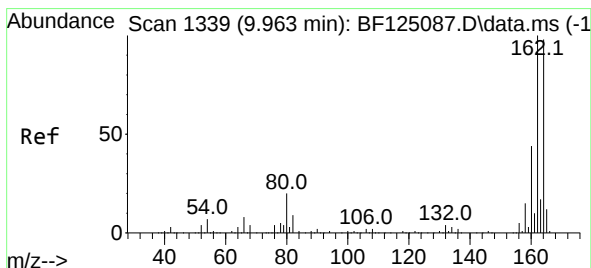
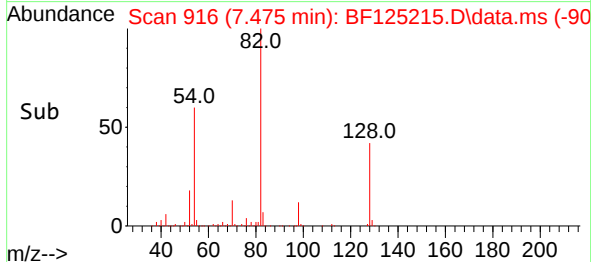
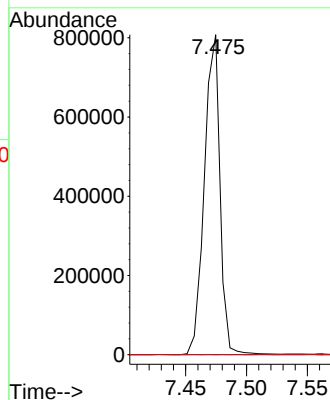
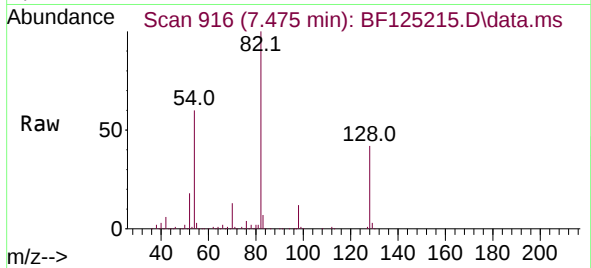




#25
Isophorone
Concen: 37.078 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.259 min
Lab File: BF125215.D
Acq: 25 Aug 2021 18:06

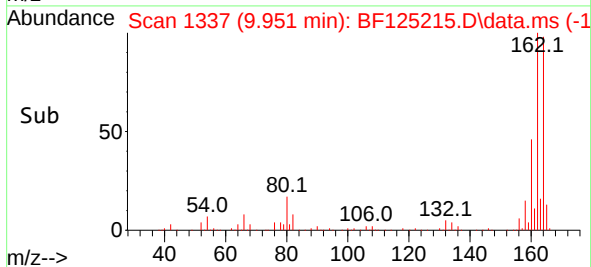
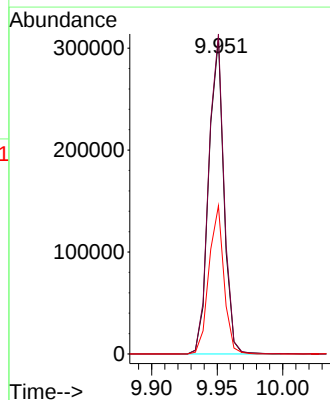
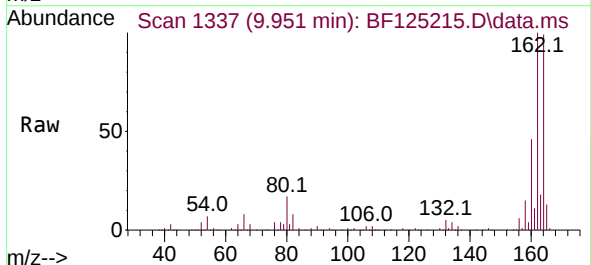
Instrument :
BNA_F
ClientSampleId :
SAMPLE-6-(203.30)

Tgt Ion: 82 Resp: 719551
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: 9.951 min Scan# 1337
Delta R.T. -0.000 min
Lab File: BF125215.D
Acq: 25 Aug 2021 18:06

Tgt Ion: 164 Resp: 247883
Ion Ratio Lower Upper
164 100
162 101.5 81.3 121.9
160 47.0 38.0 57.0

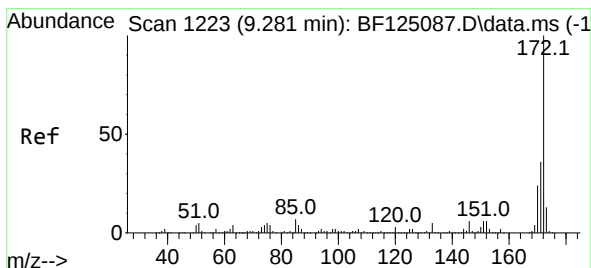
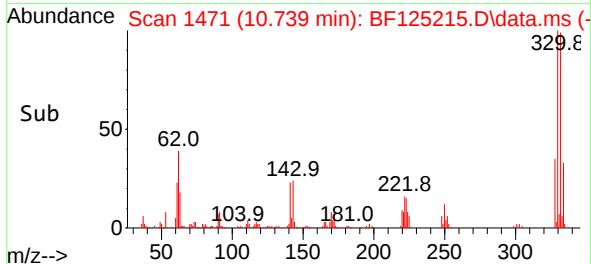
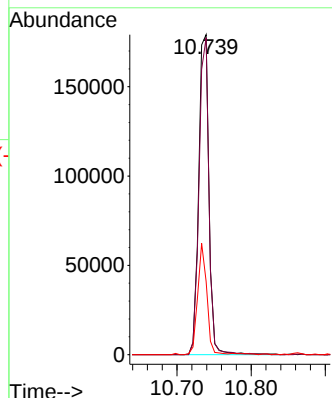
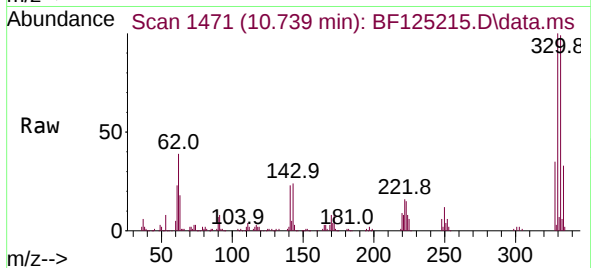




#42
2,4,6-Tribromophenol
Concen: 69.192 ng
RT: 10.739 min Scan# 1471
Delta R.T. -0.000 min
Lab File: BF125215.D
Acq: 25 Aug 2021 18:06

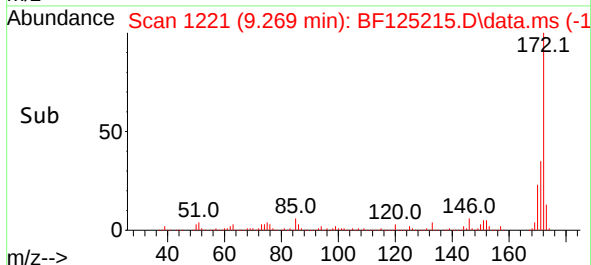
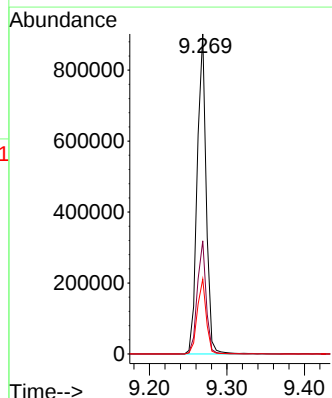
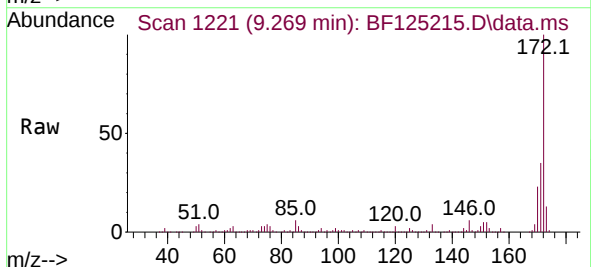
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ClientSampleId :
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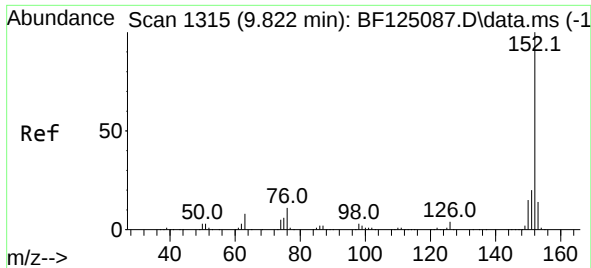
Tgt Ion: 330 Resp: 171211
Ion Ratio Lower Upper
330 100
332 95.9 76.2 114.4
141 30.9 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 40.961 ng
RT: 9.269 min Scan# 1221
Delta R.T. -0.006 min
Lab File: BF125215.D
Acq: 25 Aug 2021 18:06

Tgt Ion: 172 Resp: 728522
Ion Ratio Lower Upper
172 100
171 35.4 26.5 39.7
170 23.4 18.8 28.2

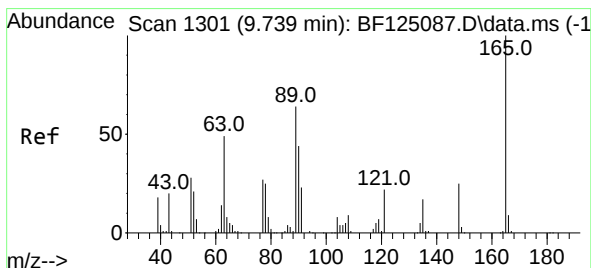
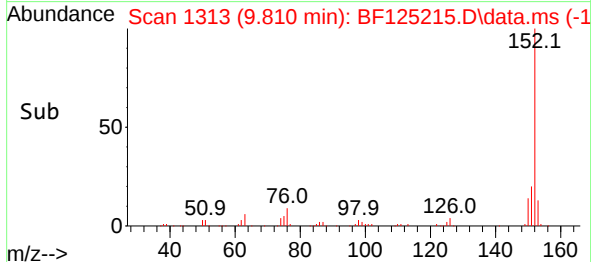
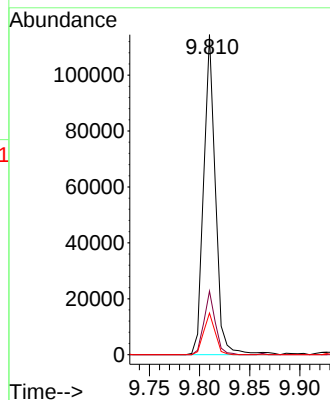
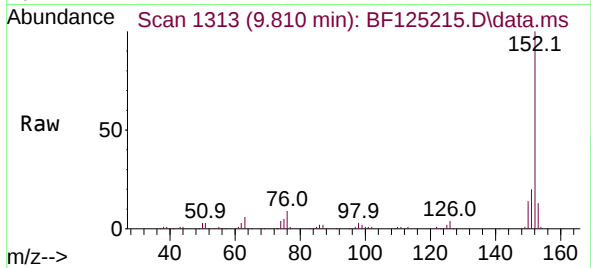




#49
Acenaphthylene
Concen: 3.970 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF125215.D
Acq: 25 Aug 2021 18:06

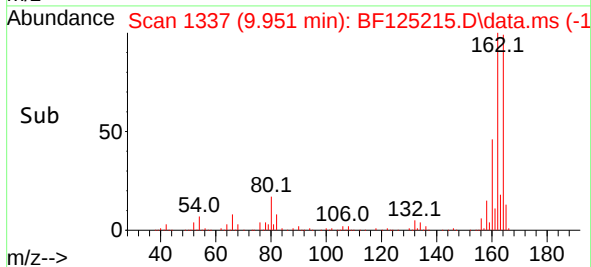
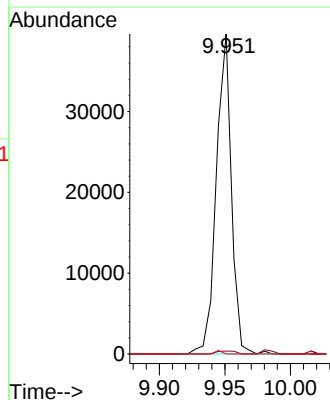
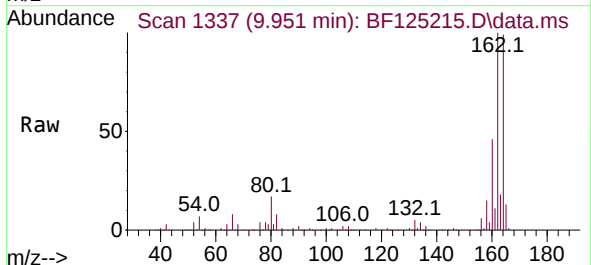
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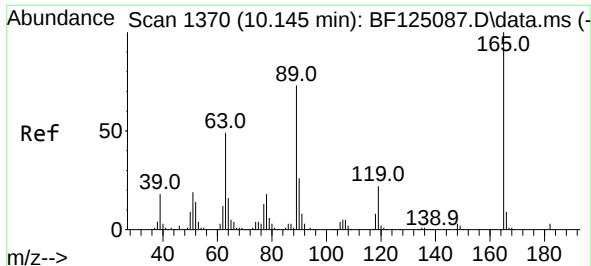
Tgt Ion:152 Resp: 93948
Ion Ratio Lower Upper
152 100
151 19.9 15.7 23.5
153 13.0 9.8 14.8



#51
2,6-Dinitrotoluene
Concen: 8.480 ng
RT: 9.951 min Scan# 1337
Delta R.T. 0.218 min
Lab File: BF125215.D
Acq: 25 Aug 2021 18:06

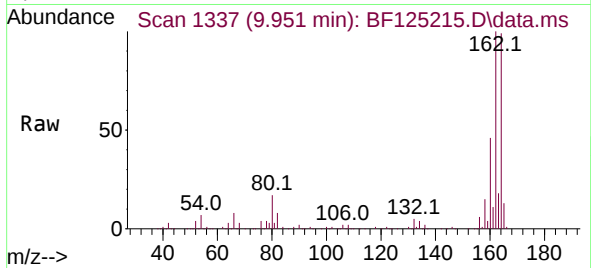
Tgt Ion:165 Resp: 31586
Ion Ratio Lower Upper
165 100
63 0.9 42.6 63.8#
89 0.0 40.6 60.8#



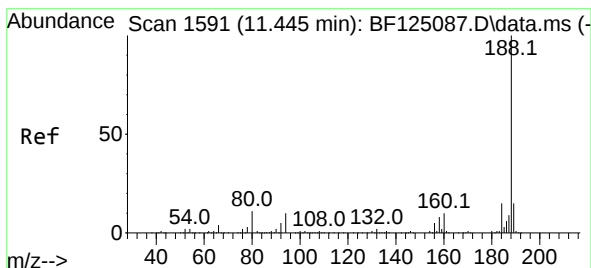
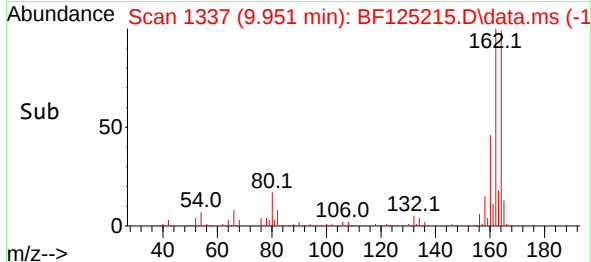
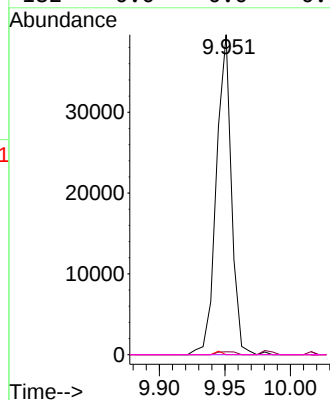


#57
2,4-Dinitrotoluene
Concen: 7.006 ng
RT: 9.951 min Scan# 1337
Delta R.T. -0.182 min
Lab File: BF125215.D
Acq: 25 Aug 2021 18:06

Instrument :
BNA_F
ClientSampleId :
SAMPLE-6-(203.30)

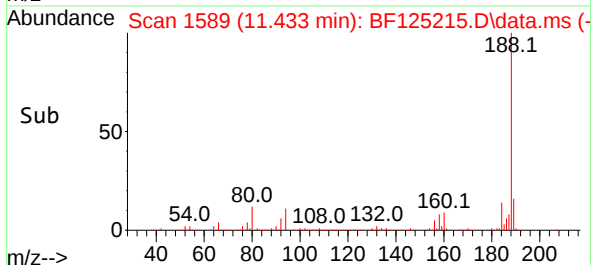
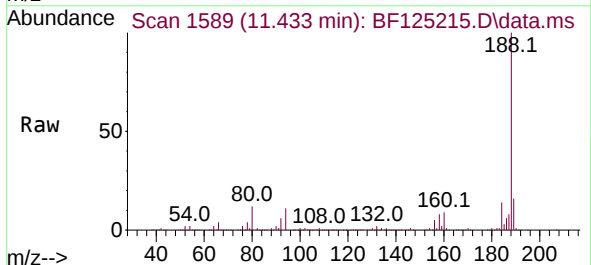
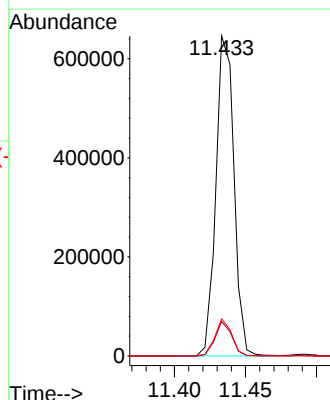


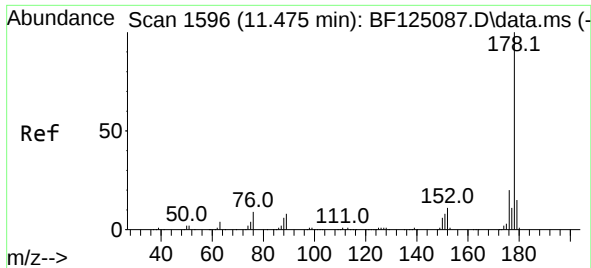
Tgt Ion:	165	Resp:	31586
Ion Ratio	Lower	Upper	
165	100		
63	0.9	40.9	61.3#
89	0.0	59.7	89.5#
182	0.0	0.0	0.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF125215.D
Acq: 25 Aug 2021 18:06

Tgt Ion:	188	Resp:	571957
Ion Ratio	Lower	Upper	
188	100		
94	10.8	6.7	10.1#
80	11.6	7.5	11.3#

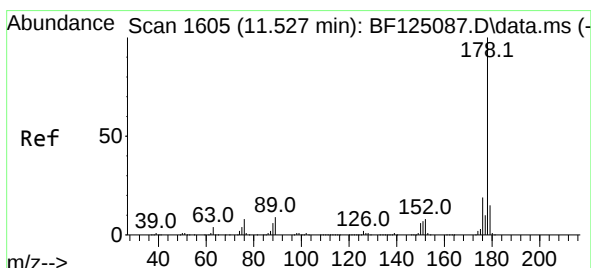
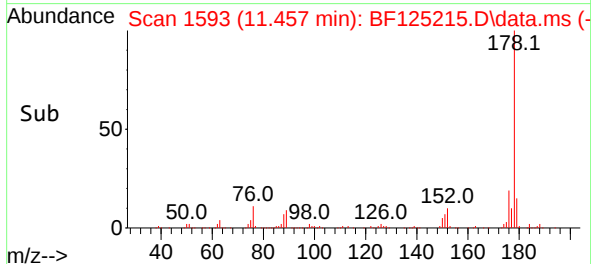
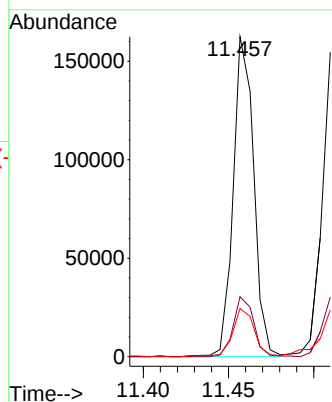
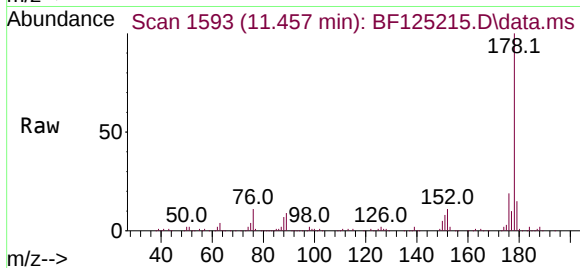




#71
Phenanthrene
Concen: 4.306 ng
RT: 11.457 min Scan# 1593
Delta R.T. -0.006 min
Lab File: BF125215.D
Acq: 25 Aug 2021 18:06

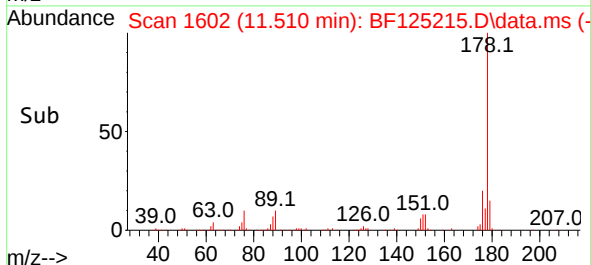
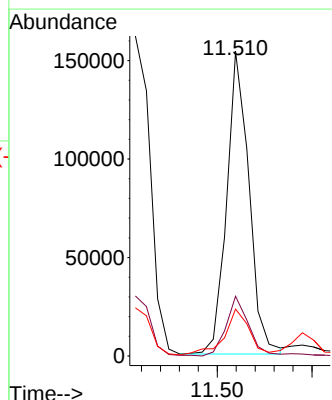
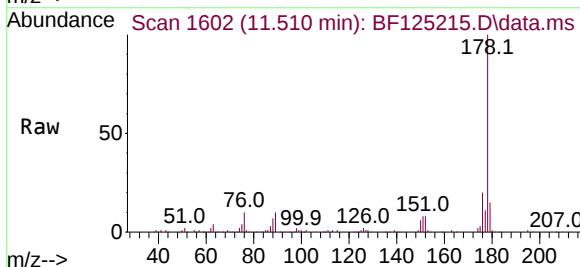
Instrument :
BNA_F
ClientSampleId :
SAMPLE-6-(203.30)

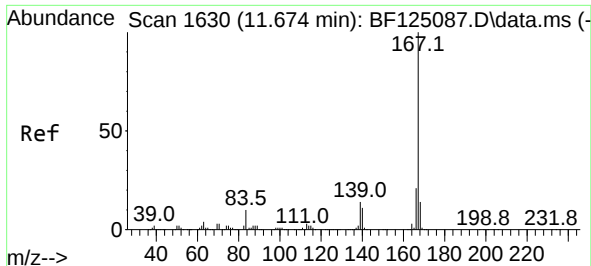
Tgt Ion:178 Resp: 135697
Ion Ratio Lower Upper
178 100
176 18.8 14.7 22.1
179 15.0 11.5 17.3



#72
Anthracene
Concen: 4.046 ng
RT: 11.510 min Scan# 1602
Delta R.T. -0.006 min
Lab File: BF125215.D
Acq: 25 Aug 2021 18:06

Tgt Ion:178 Resp: 125695
Ion Ratio Lower Upper
178 100
176 19.6 14.3 21.5
179 15.4 12.2 18.4

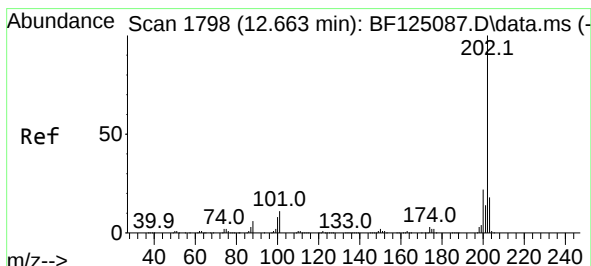
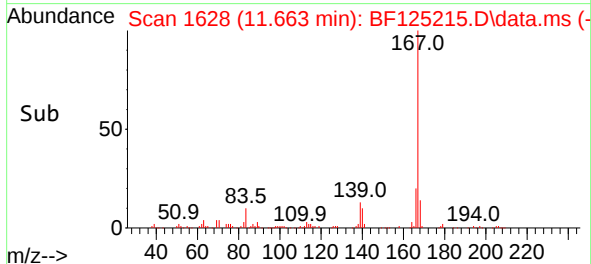
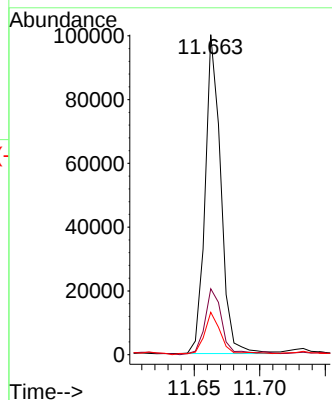
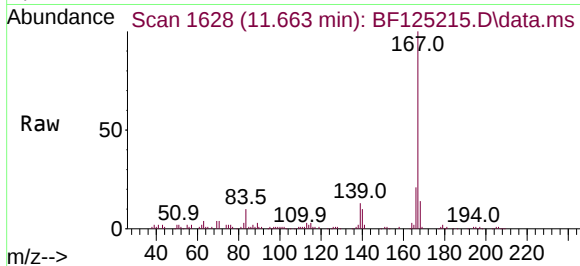




#73
 Carbazole
 Concen: 2.940 ng
 RT: 11.663 min Scan# 1628
 Delta R.T. -0.006 min
 Lab File: BF125215.D
 Acq: 25 Aug 2021 18:06

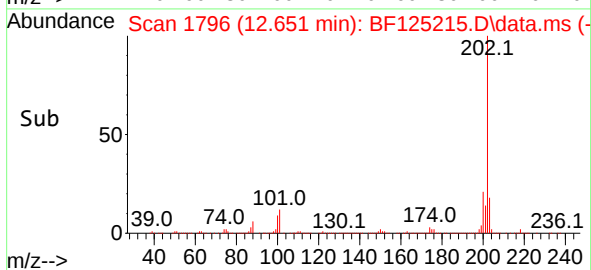
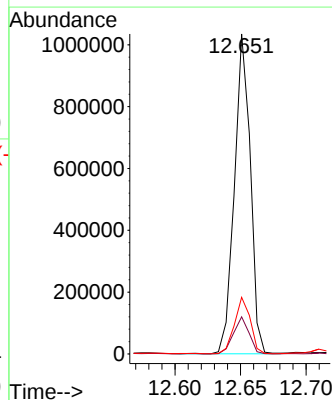
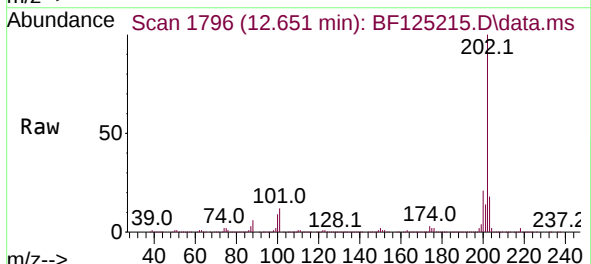
Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-6-(203.30)

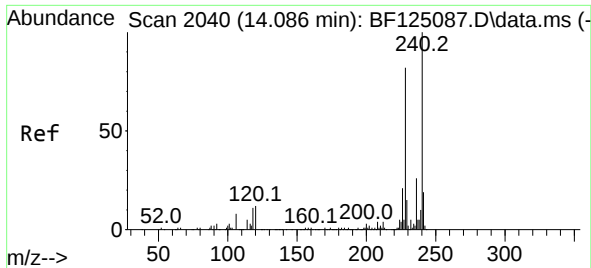
Tgt Ion:167	Resp:	83465
Ion Ratio	Lower	Upper
167	100	
166	20.6	17.4 26.0
139	13.3	11.0 16.4



#75
 Fluoranthene
 Concen: 27.947 ng
 RT: 12.651 min Scan# 1796
 Delta R.T. -0.000 min
 Lab File: BF125215.D
 Acq: 25 Aug 2021 18:06

Tgt Ion:202	Resp:	873923
Ion Ratio	Lower	Upper
202	100	
101	11.6	0.0 30.7
203	17.7	0.0 36.3

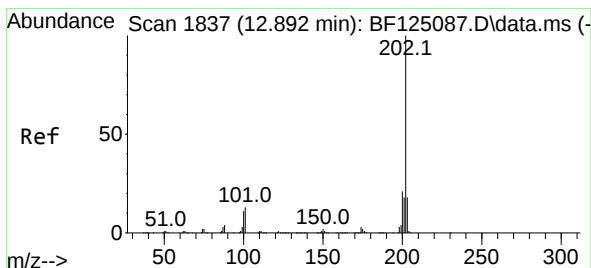
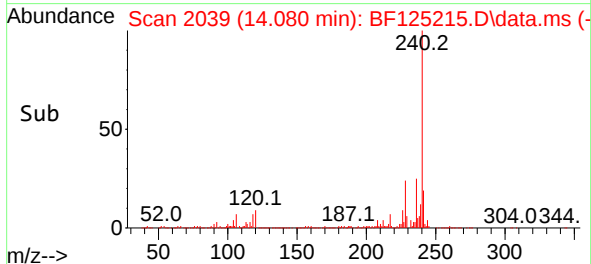
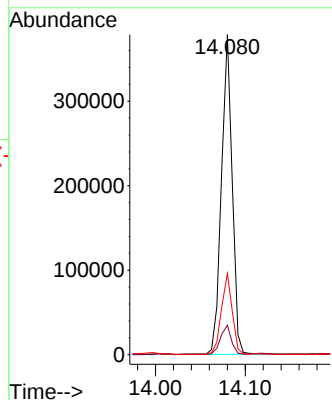
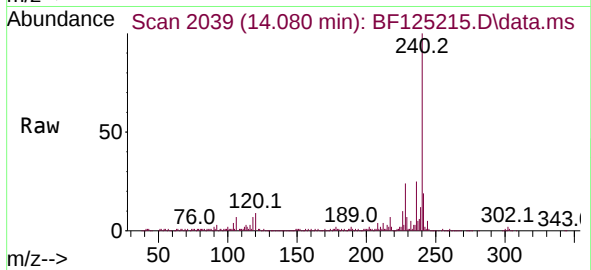




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2039
Delta R.T. -0.000 min
Lab File: BF125215.D
Acq: 25 Aug 2021 18:06

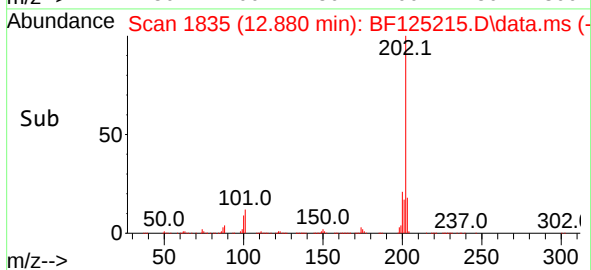
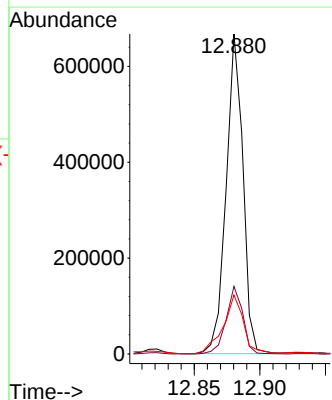
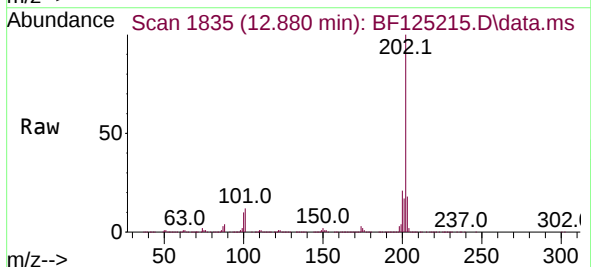
Instrument :
BNA_F
ClientSampleId :
SAMPLE-6-(203.30)

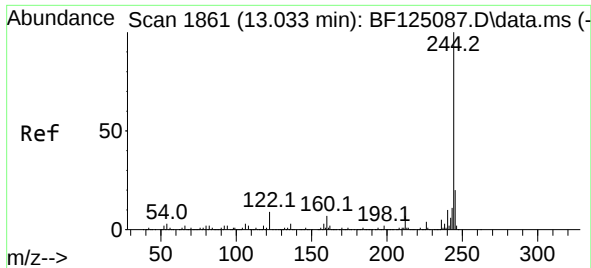
Tgt Ion:240 Resp: 315423
Ion Ratio Lower Upper
240 100
120 9.2 10.8 16.2#
236 25.4 21.6 32.4



#78
Pyrene
Concen: 21.908 ng
RT: 12.880 min Scan# 1835
Delta R.T. -0.006 min
Lab File: BF125215.D
Acq: 25 Aug 2021 18:06

Tgt Ion:202 Resp: 592760
Ion Ratio Lower Upper
202 100
200 21.1 15.3 22.9
203 18.4 13.4 20.0

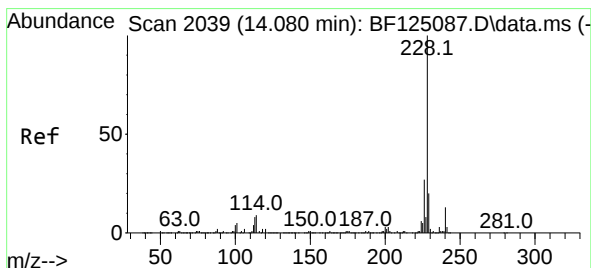
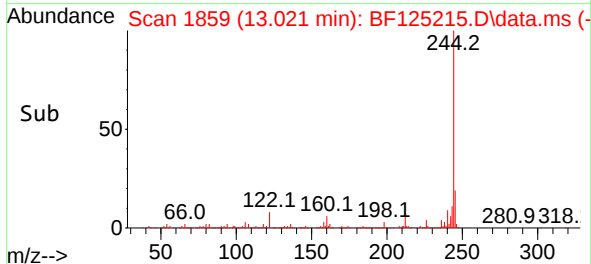
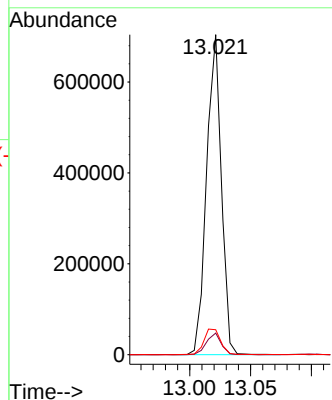
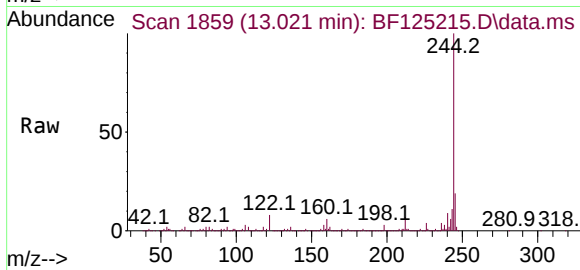




#79
 Terphenyl-d14
 Concen: 29.935 ng
 RT: 13.021 min Scan# 1859
 Delta R.T. -0.000 min
 Lab File: BF125215.D
 Acq: 25 Aug 2021 18:06

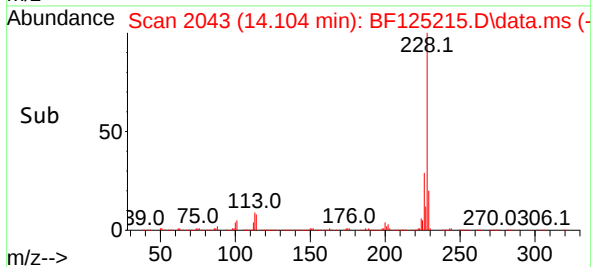
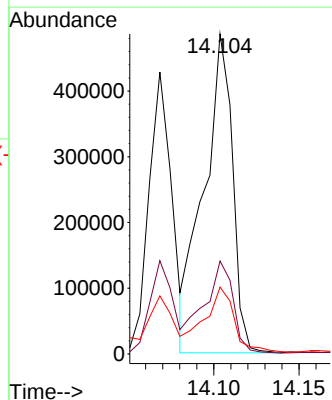
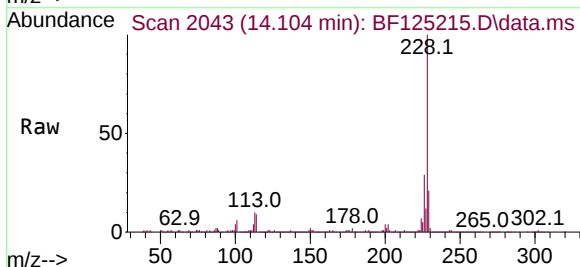
Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-6-(203.30)

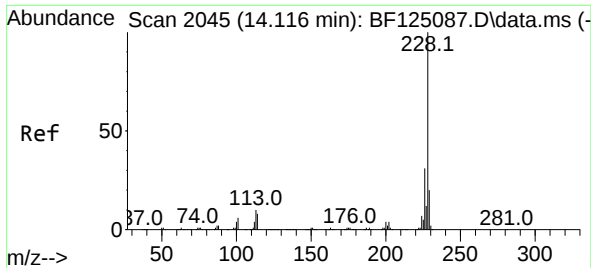
Tgt Ion:244 Resp: 592705
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.9 8.9
 122 7.8 9.0 13.4#



#81
 Benzo(a)anthracene
 Concen: 24.987 ng
 RT: 14.104 min Scan# 2043
 Delta R.T. 0.035 min
 Lab File: BF125215.D
 Acq: 25 Aug 2021 18:06

Tgt Ion:228 Resp: 567873
 Ion Ratio Lower Upper
 228 100
 226 29.1 21.6 32.4
 229 20.9 15.6 23.4

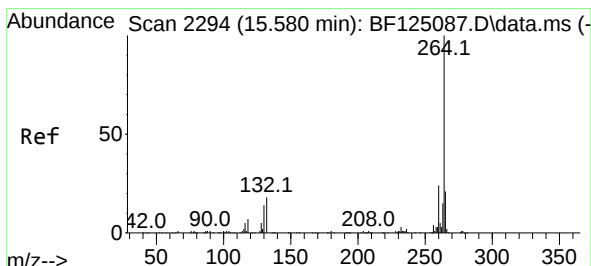
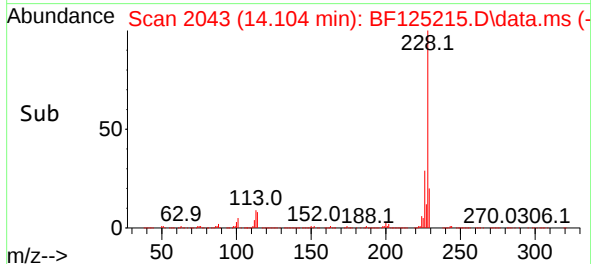
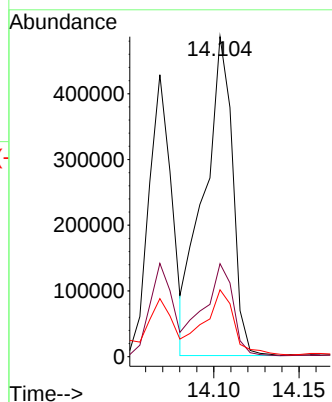
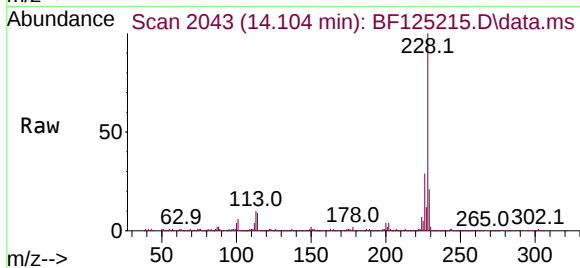




#83
Chrysene
Concen: 25.266 ng
RT: 14.104 min Scan# 2043
Delta R.T. -0.006 min
Lab File: BF125215.D
Acq: 25 Aug 2021 18:06

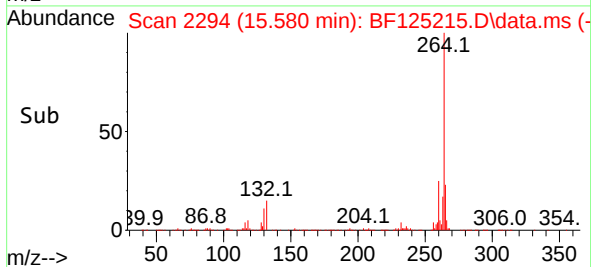
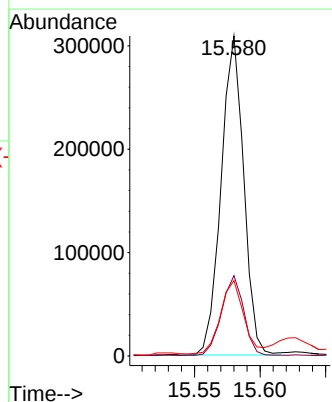
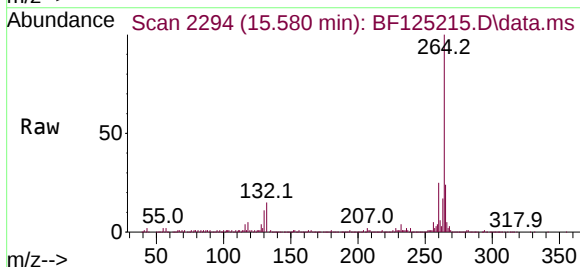
Instrument :
BNA_F
ClientSampleId :
SAMPLE-6-(203.30)

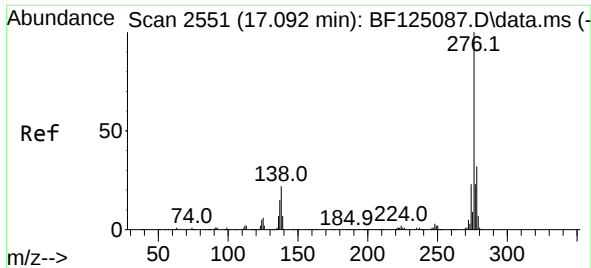
Tgt Ion:228 Resp: 567873
Ion Ratio Lower Upper
228 100
226 29.1 22.6 34.0
229 20.9 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2294
Delta R.T. 0.006 min
Lab File: BF125215.D
Acq: 25 Aug 2021 18:06

Tgt Ion:264 Resp: 369057
Ion Ratio Lower Upper
264 100
260 25.1 19.6 29.4
265 23.6 17.2 25.8

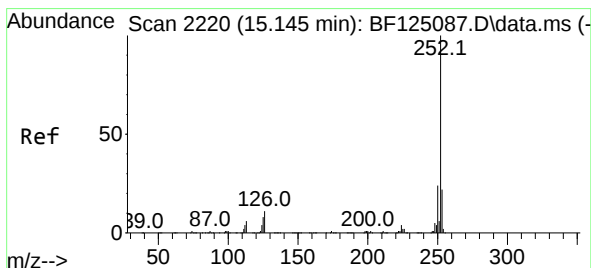
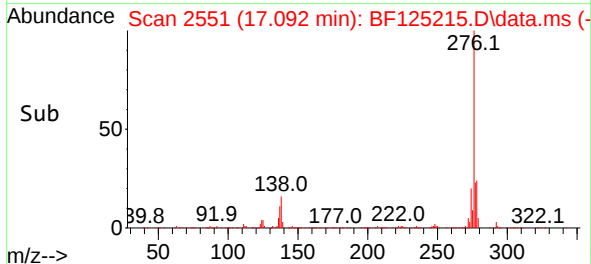
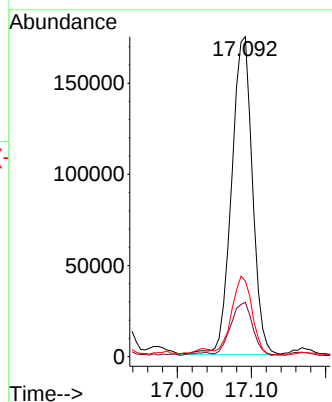
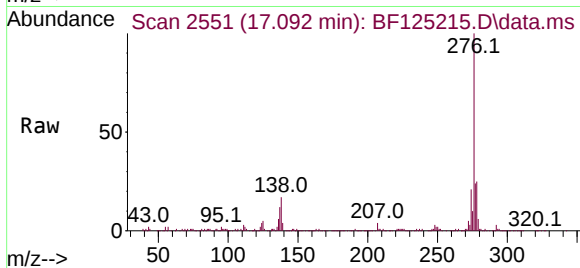




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 12.793 ng
 RT: 17.092 min Scan# 2551
 Delta R.T. -0.000 min
 Lab File: BF125215.D
 Acq: 25 Aug 2021 18:06

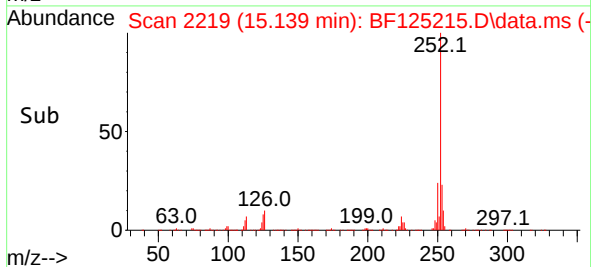
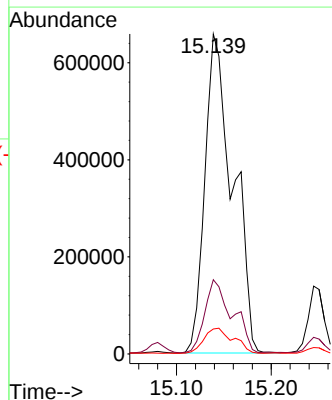
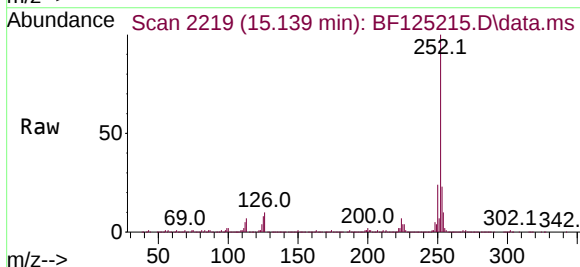
Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-6-(203.30)

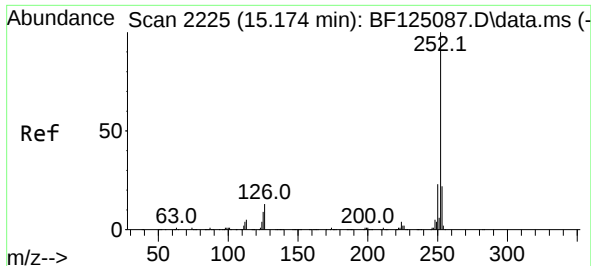
Tgt Ion:276 Resp: 340125
 Ion Ratio Lower Upper
 276 100
 138 17.4 24.1 36.1#
 277 24.4 18.8 28.2



#88
 Benzo(b)fluoranthene
 Concen: 50.134 ng
 RT: 15.139 min Scan# 2219
 Delta R.T. 0.006 min
 Lab File: BF125215.D
 Acq: 25 Aug 2021 18:06

Tgt Ion:252 Resp: 1351746
 Ion Ratio Lower Upper
 252 100
 253 23.2 16.8 25.2
 125 7.8 9.8 14.8#





#89

Benzo(k)fluoranthene

Concen: 53.726 ng

RT: 15.139 min Scan# 2219

Delta R.T. -0.029 min

Lab File: BF125215.D

Acq: 25 Aug 2021 18:06

Tgt Ion:252 Resp: 1351746

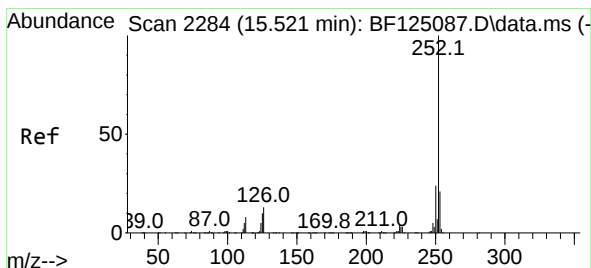
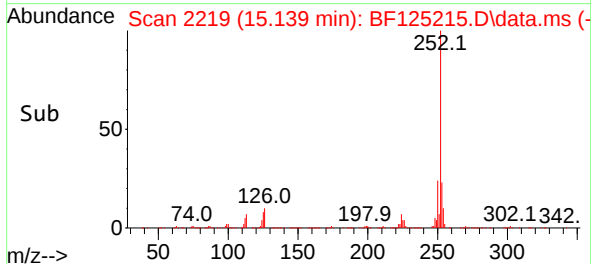
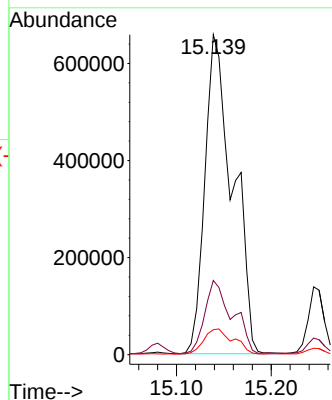
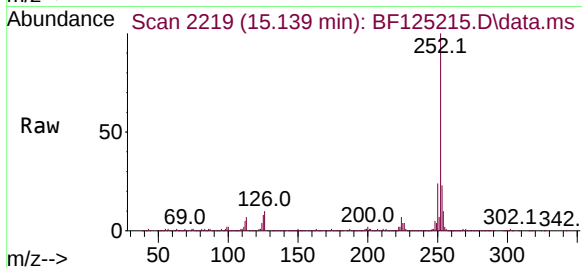
Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.8
125	7.8	7.2	10.8

Instrument :

BNA_F

ClientSampleId :

SAMPLE-6-(203.30)



#90

Benzo(a)pyrene

Concen: 20.992 ng

RT: 15.451 min Scan# 2272

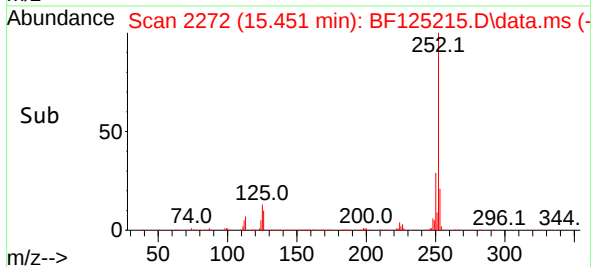
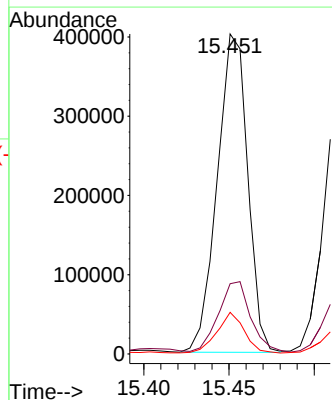
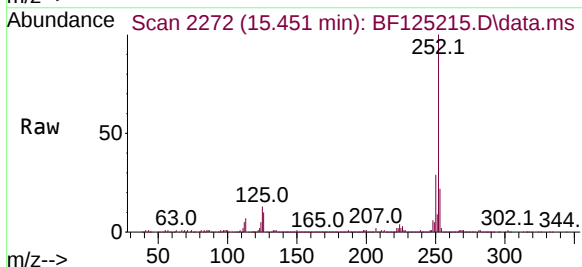
Delta R.T. -0.065 min

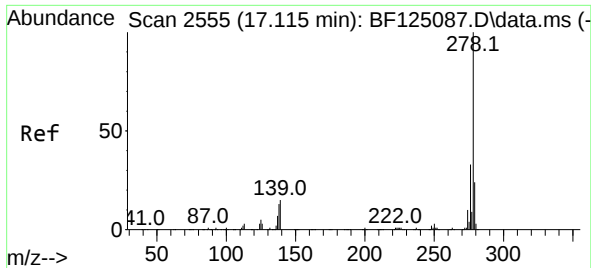
Lab File: BF125215.D

Acq: 25 Aug 2021 18:06

Tgt Ion:252 Resp: 499964

Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.4	27.6
125	13.0	9.9	14.9

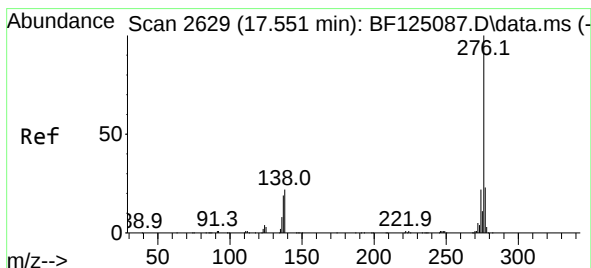
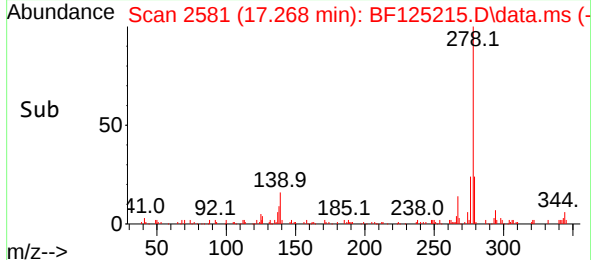
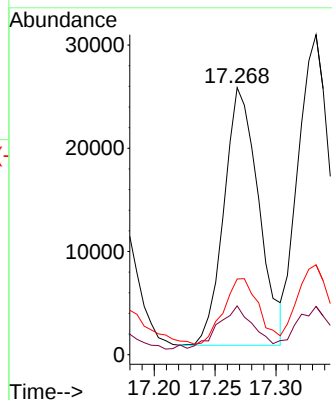
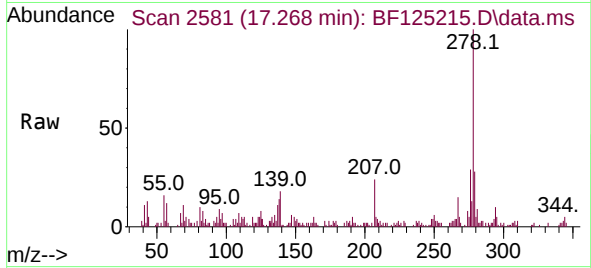




#91
Dibenzo(a,h)anthracene
Concen: 2.155 ng
RT: 17.268 min Scan# 2581
Delta R.T. 0.159 min
Lab File: BF125215.D
Acq: 25 Aug 2021 18:06

Instrument :
BNA_F
ClientSampleId :
SAMPLE-6-(203.30)

Tgt Ion:	278	Resp:	49522
Ion Ratio	Lower	Upper	
278	100		
139	18.3	14.9	22.3
279	28.3	19.7	29.5



#92
Benzo(g,h,i)perylene
Concen: 12.035 ng
RT: 17.545 min Scan# 2628
Delta R.T. -0.006 min
Lab File: BF125215.D
Acq: 25 Aug 2021 18:06

Tgt Ion:	276	Resp:	266704
Ion Ratio	Lower	Upper	
276	100		
277	24.2	22.0	33.0
138	17.7	22.2	33.4#

