

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
 Data File : BF125213.D
 Acq On : 25 Aug 2021 16:58
 Operator : JU/CG
 Sample : M3467-15
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-3-(171.00)

Quant Time: Aug 25 17:58:06 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)

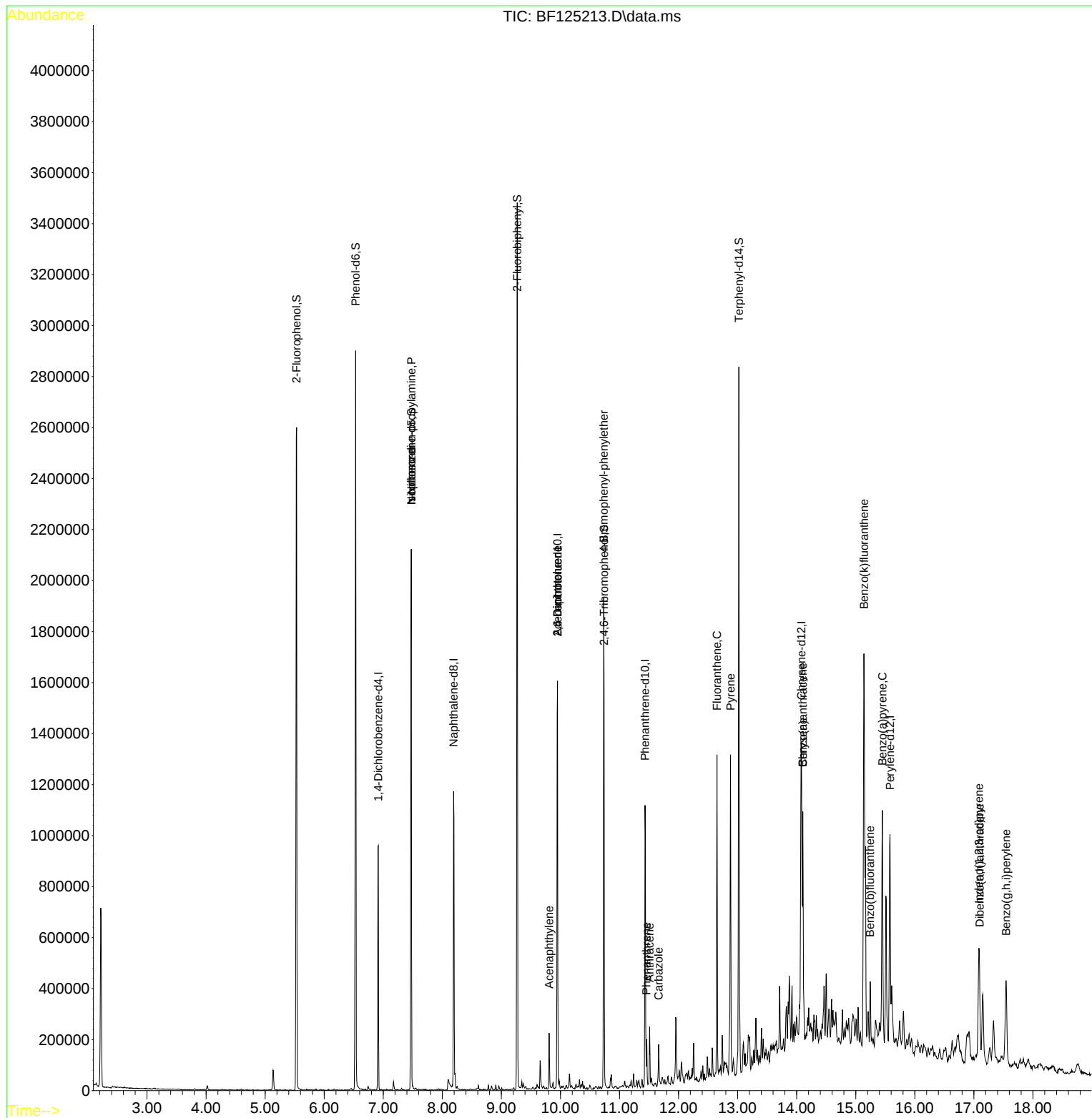
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	137584	20.000	ng	0.00
21) Naphthalene-d8	8.192	136	510242	20.000	ng	# 0.00
39) Acenaphthene-d10	9.951	164	329297	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	404881	20.000	ng	0.00
76) Chrysene-d12	14.080	240	311612	20.000	ng	# 0.00
86) Perylene-d12	15.580	264	360127	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	675595	74.324	ng	0.00
7) Phenol-d6	6.534	99	848482	72.174	ng	0.00
23) Nitrobenzene-d5	7.475	82	618676	61.043	ng	0.00
42) 2,4,6-Tribromophenol	10.739	330	225571	68.623	ng	0.00
45) 2-Fluorobiphenyl	9.269	172	1013316	42.888	ng	0.00
79) Terphenyl-d14	13.021	244	890425	45.522	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.475	70	83054	11.746	ng	# 61
25) Isophorone	7.475	82	618661	31.642	ng	# 59
49) Acenaphthylene	9.810	152	83965	2.671	ng	100
51) 2,6-Dinitrotoluene	9.951	165	44086	8.910	ng	# 28
57) 2,4-Dinitrotoluene	9.951	165	44086	7.361	ng	# 20
67) 4-Bromophenyl-phenylether	10.733	248	14236	2.928	ng	# 1
71) Phenanthrene	11.457	178	65315	2.928	ng	98
72) Anthracene	11.510	178	86205	3.920	ng	98
73) Carbazole	11.663	167	58339	2.903	ng	97
75) Fluoranthene	12.651	202	440661	19.907	ng	97
78) Pyrene	12.880	202	487098	18.223	ng	97
81) Benzo(a)anthracene	14.104	228	430262	19.164	ng	95
83) Chrysene	14.104	228	430262	19.378	ng	97
87) Indeno(1,2,3-cd)pyrene	17.086	276	319311	12.308	ng	# 87
88) Benzo(b)fluoranthene	15.245	252	113287	4.306	ng	94
89) Benzo(k)fluoranthene	15.139	252	1167358	47.548	ng	99
90) Benzo(a)pyrene	15.451	252	439117	18.894	ng	99
91) Dibenzo(a,h)anthracene	17.098	278	82428	3.676	ng	94
92) Benzo(g,h,i)perylene	17.545	276	274510	12.695	ng	# 87

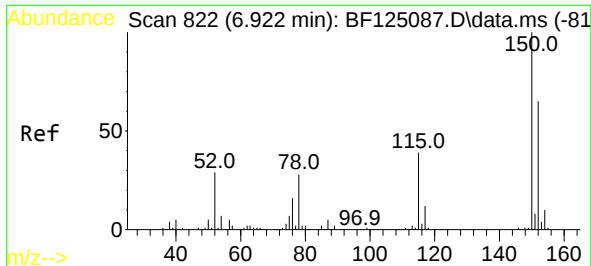
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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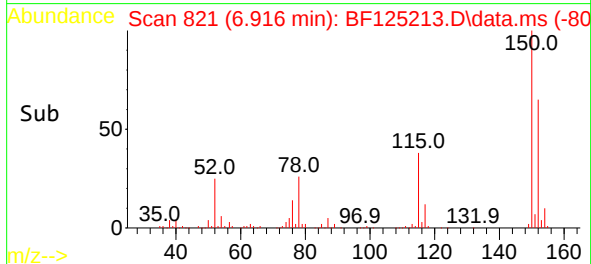
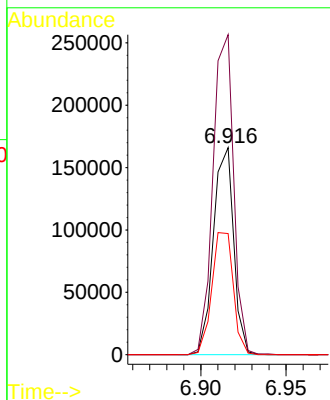
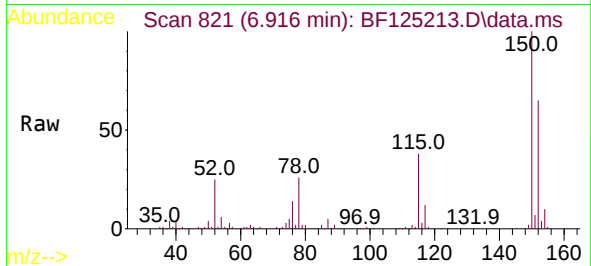




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.916 min Scan# 821
Delta R.T. -0.000 min
Lab File: BF125213.D
Acq: 25 Aug 2021 16:58

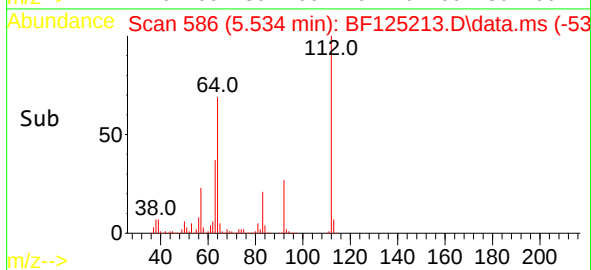
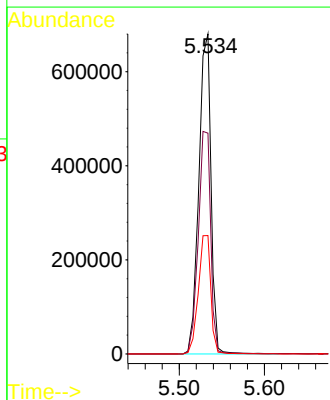
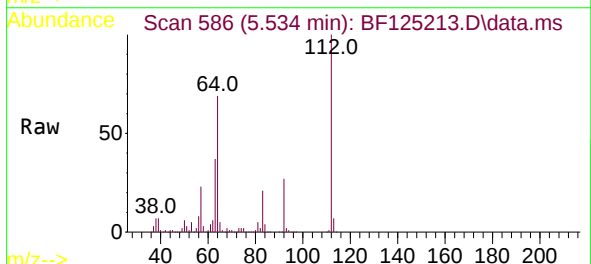
Instrument :
BNA_F
ClientSampleId :
SAMPLE-3-(171.00)

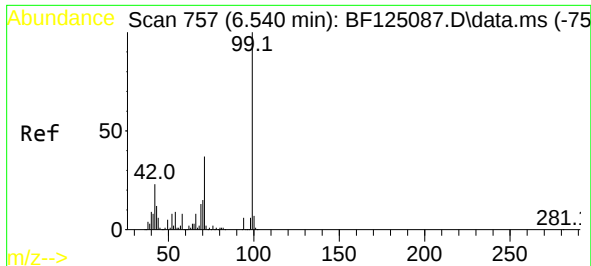
Tgt Ion:152 Resp: 137584
Ion Ratio Lower Upper
152 100
150 154.5 117.6 176.4
115 58.5 47.1 70.7



#5
2-Fluorophenol
Concen: 74.324 ng
RT: 5.534 min Scan# 586
Delta R.T. 0.006 min
Lab File: BF125213.D
Acq: 25 Aug 2021 16:58

Tgt Ion:112 Resp: 675595
Ion Ratio Lower Upper
112 100
64 69.0 44.2 66.2#
63 37.0 26.2 39.2

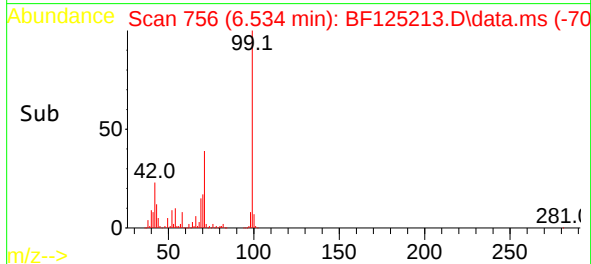
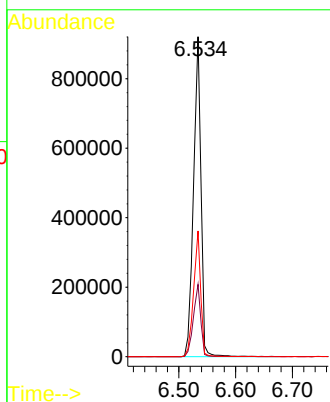
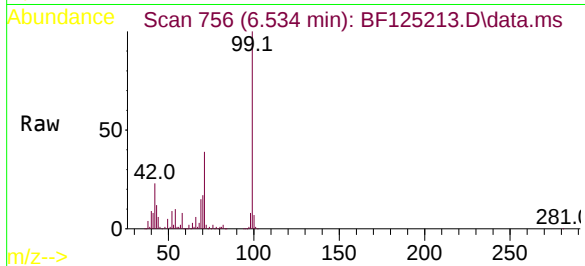




#7
Phenol-d6
Concen: 72.174 ng
RT: 6.534 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF125213.D
Acq: 25 Aug 2021 16:58

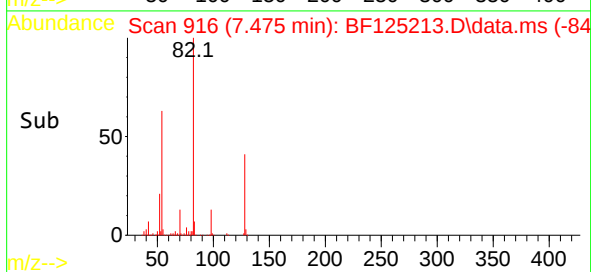
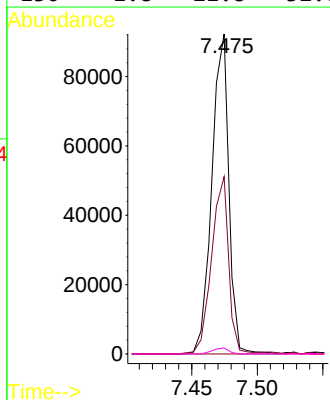
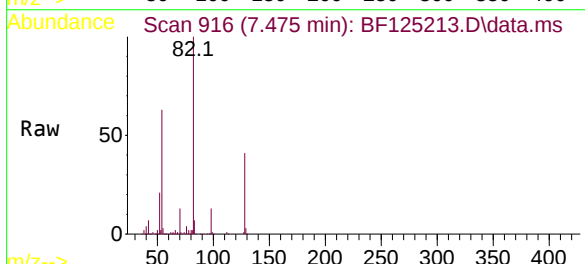
Instrument :
BNA_F
ClientSampleId :
SAMPLE-3-(171.00)

Tgt Ion: 99 Resp: 848482
Ion Ratio Lower Upper
99 100
42 22.6 23.5 35.3#
71 39.3 25.6 38.4#



#19
n-Nitroso-di-n-propylamine
Concen: 11.746 ng
RT: 7.475 min Scan# 916
Delta R.T. 0.147 min
Lab File: BF125213.D
Acq: 25 Aug 2021 16:58

Tgt Ion: 70 Resp: 83054
Ion Ratio Lower Upper
70 100
42 55.4 72.2 108.2#
101 0.0 7.8 11.8#
130 1.8 21.8 32.6#

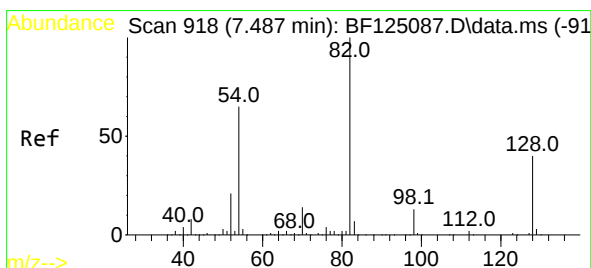
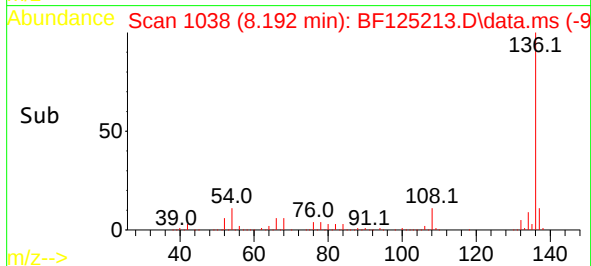
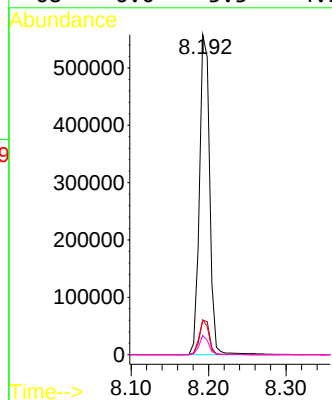
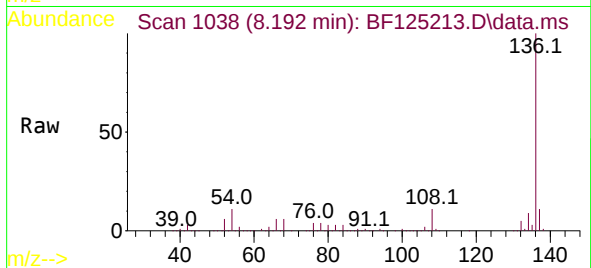




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1038
Delta R.T. -0.006 min
Lab File: BF125213.D
Acq: 25 Aug 2021 16:58

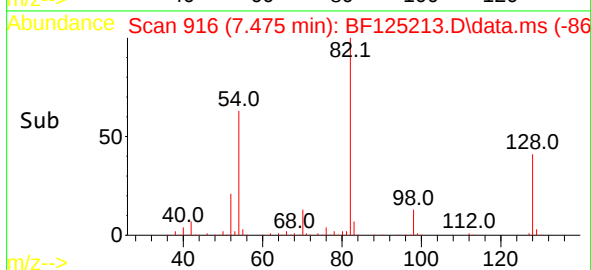
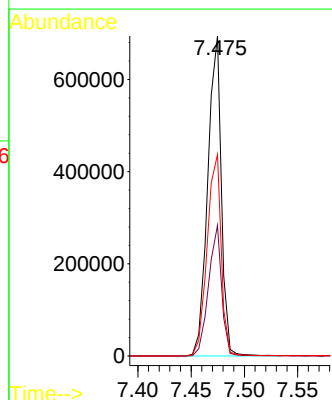
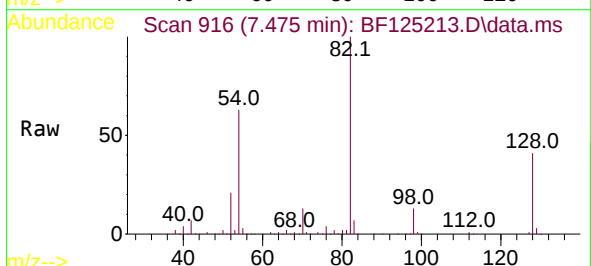
Instrument :
BNA_F
ClientSampleId :
SAMPLE-3-(171.00)

Tgt Ion:	136	Resp:	510242
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.8	14.6
54	10.9	6.4	9.6#
68	6.0	3.3	4.9#



#23
Nitrobenzene-d5
Concen: 61.043 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.006 min
Lab File: BF125213.D
Acq: 25 Aug 2021 16:58

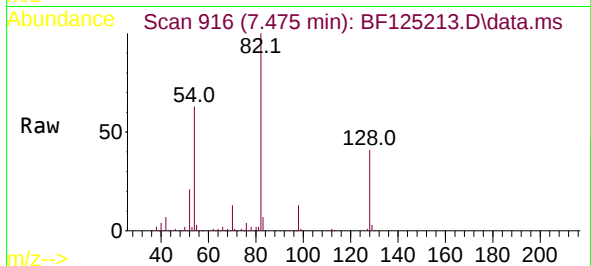
Tgt Ion:	82	Resp:	618676
Ion Ratio	Lower	Upper	
82	100		
128	40.8	40.6	60.8
54	62.9	49.6	74.4



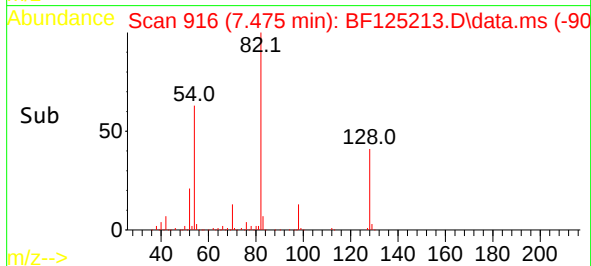
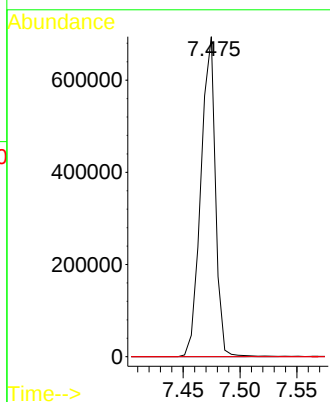


#25
Isophorone
Concen: 31.642 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.259 min
Lab File: BF125213.D
Acq: 25 Aug 2021 16:58

Instrument :
BNA_F
ClientSampleId :
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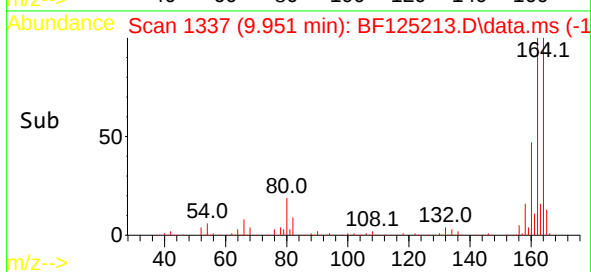
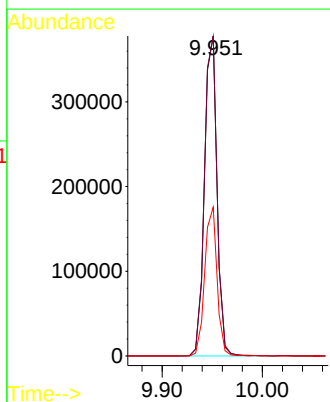
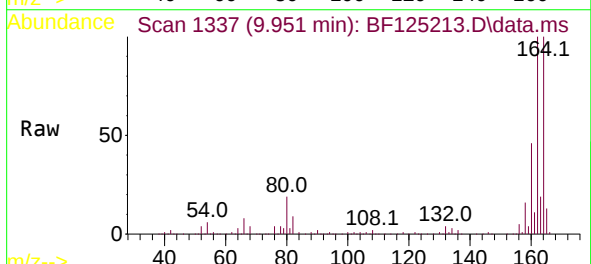


Tgt Ion: 82 Resp: 618661
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.951 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BF125213.D
Acq: 25 Aug 2021 16:58

Tgt Ion: 164 Resp: 329297
Ion Ratio Lower Upper
164 100
162 99.8 81.3 121.9
160 46.5 38.0 57.0

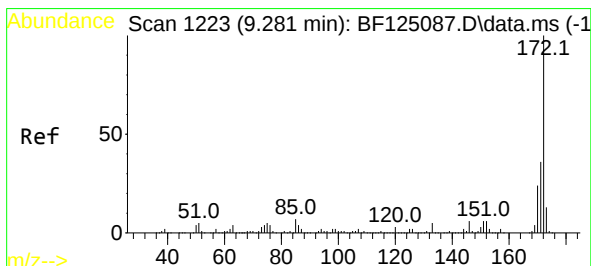
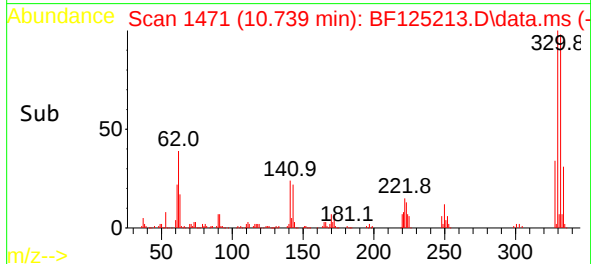
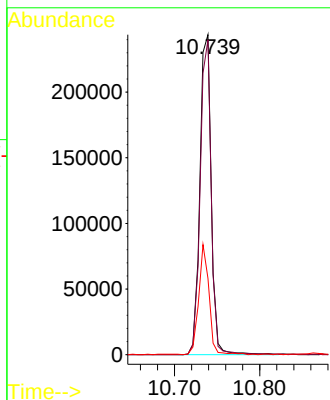
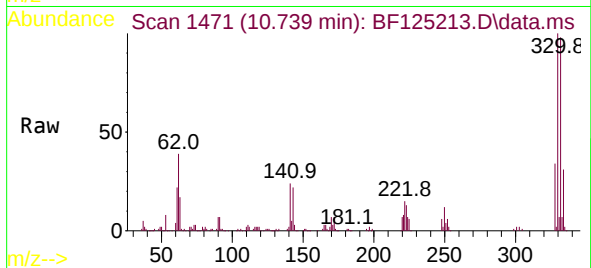




#42
2,4,6-Tribromophenol
Concen: 68.623 ng
RT: 10.739 min Scan# 1471
Delta R.T. 0.000 min
Lab File: BF125213.D
Acq: 25 Aug 2021 16:58

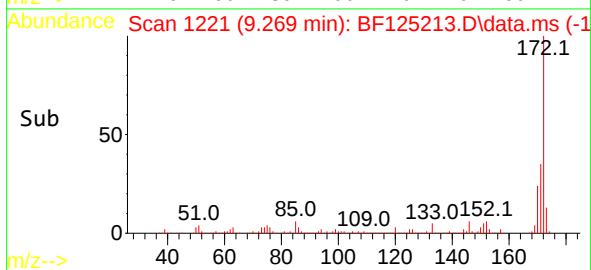
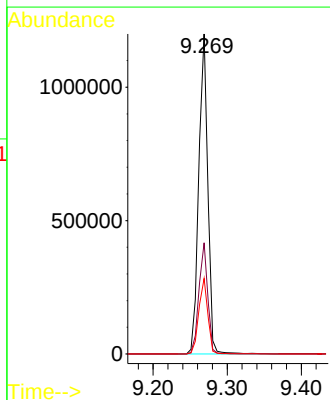
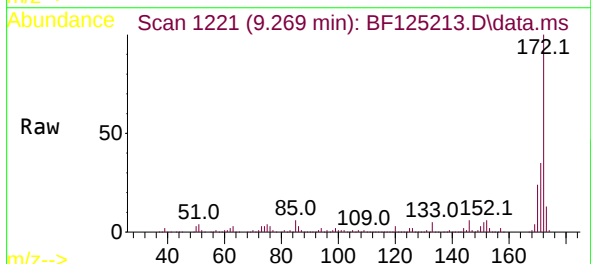
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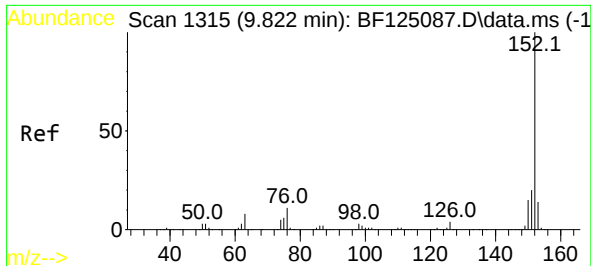
Tgt Ion: 330 Resp: 225571
Ion Ratio Lower Upper
330 100
332 95.6 76.2 114.4
141 31.4 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 42.888 ng
RT: 9.269 min Scan# 1221
Delta R.T. -0.006 min
Lab File: BF125213.D
Acq: 25 Aug 2021 16:58

Tgt Ion: 172 Resp: 1013316
Ion Ratio Lower Upper
172 100
171 34.8 26.5 39.7
170 23.6 18.8 28.2

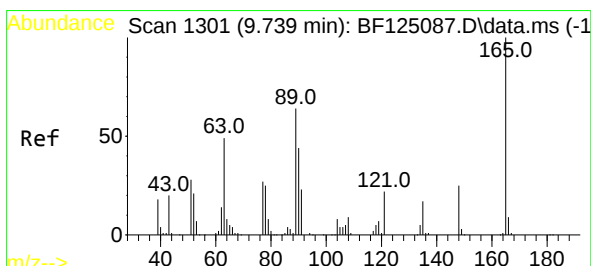
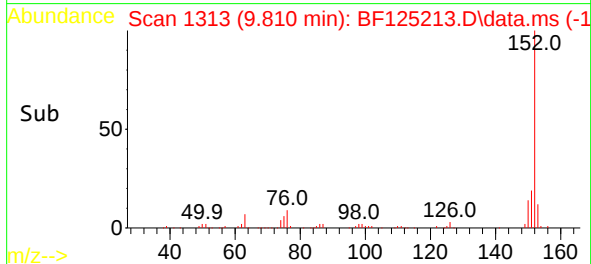
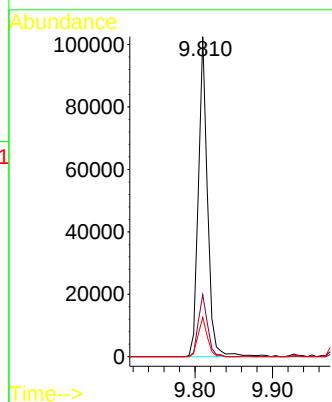
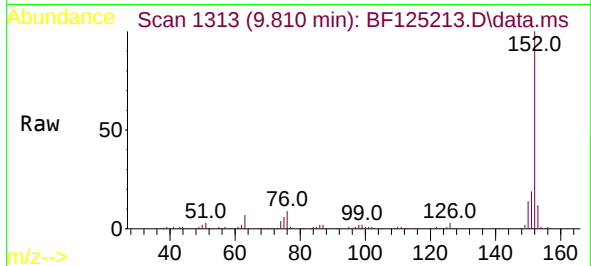




#49
Acenaphthylene
Concen: 2.671 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF125213.D
Acq: 25 Aug 2021 16:58

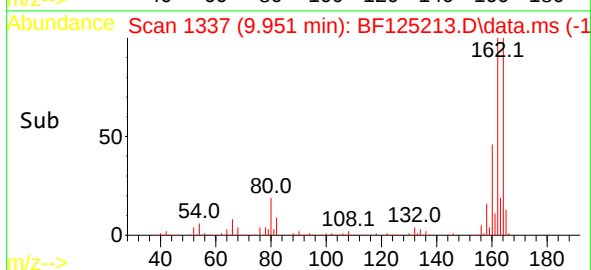
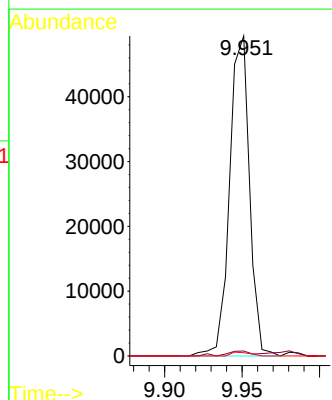
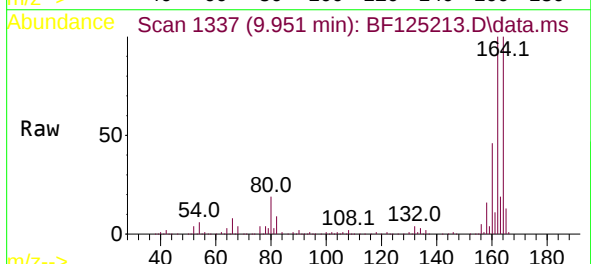
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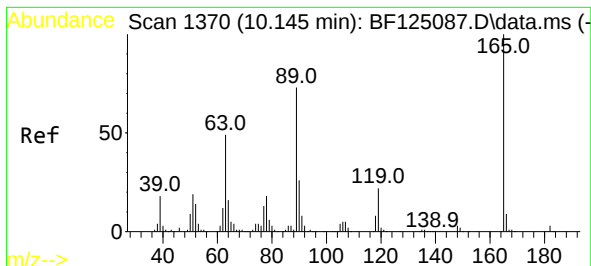
Tgt Ion:152 Resp: 83965
Ion Ratio Lower Upper
152 100
151 19.4 15.7 23.5
153 12.3 9.8 14.8



#51
2,6-Dinitrotoluene
Concen: 8.910 ng
RT: 9.951 min Scan# 1337
Delta R.T. 0.218 min
Lab File: BF125213.D
Acq: 25 Aug 2021 16:58

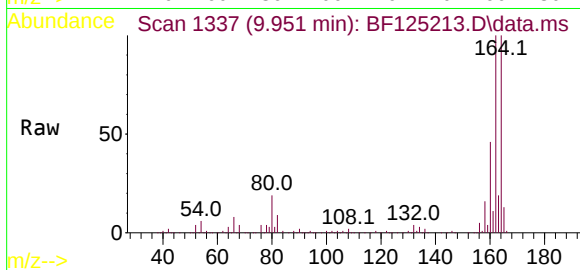
Tgt Ion:165 Resp: 44086
Ion Ratio Lower Upper
165 100
63 1.5 42.6 63.8#
89 1.0 40.6 60.8#



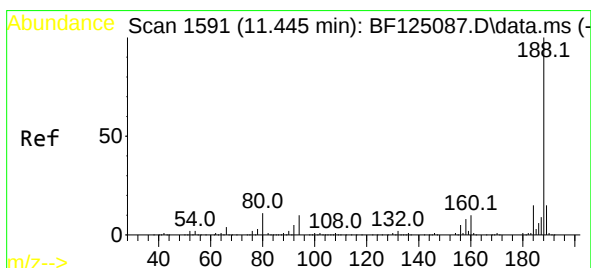
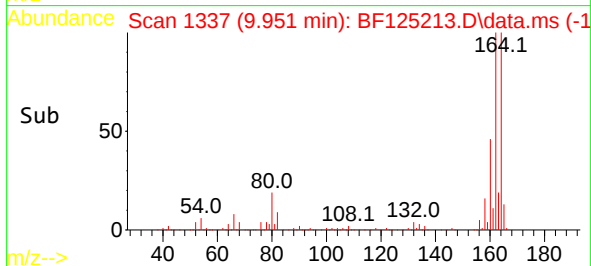
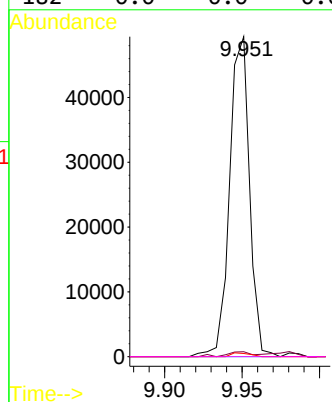


#57
2,4-Dinitrotoluene
Concen: 7.361 ng
RT: 9.951 min Scan# 1337
Delta R.T. -0.182 min
Lab File: BF125213.D
Acq: 25 Aug 2021 16:58

Instrument :
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ClientSampleId :
SAMPLE-3-(171.00)

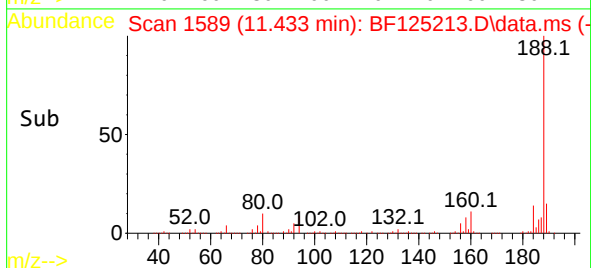
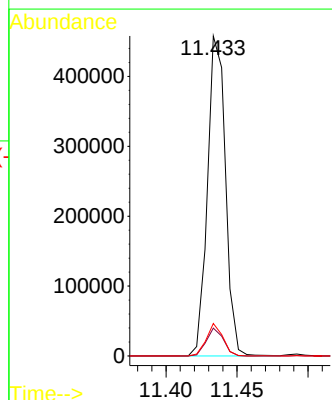
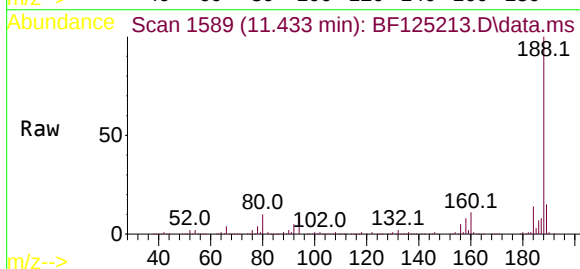


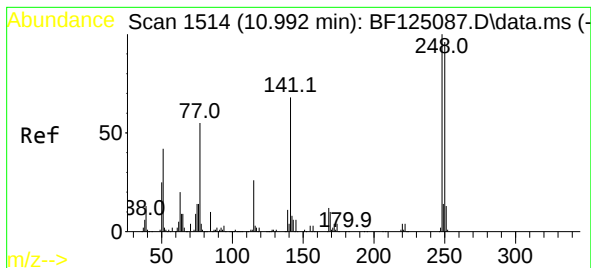
Tgt Ion:165 Resp: 44086
Ion Ratio Lower Upper
165 100
63 1.5 40.9 61.3#
89 1.0 59.7 89.5#
182 0.0 0.0 0.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF125213.D
Acq: 25 Aug 2021 16:58

Tgt Ion:188 Resp: 404881
Ion Ratio Lower Upper
188 100
94 8.7 6.7 10.1
80 10.2 7.5 11.3

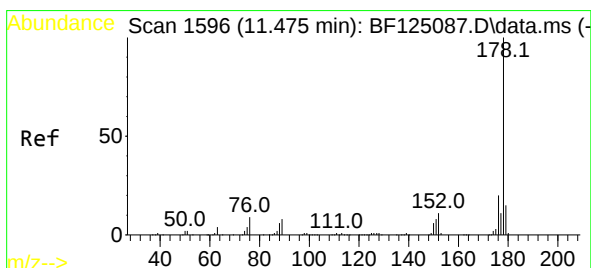
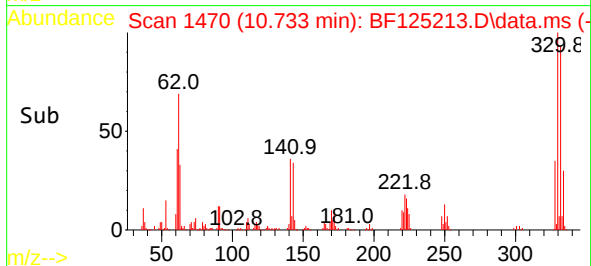
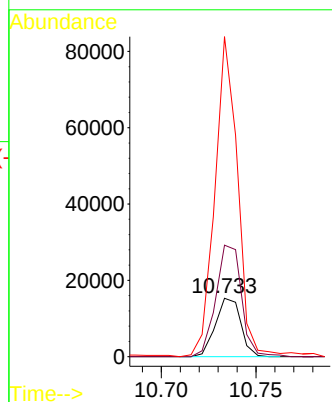
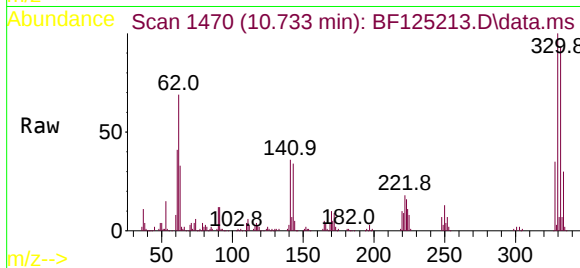




#67
4-Bromophenyl-phenylether
Concen: 2.928 ng
RT: 10.733 min Scan# 1470
Delta R.T. -0.247 min
Lab File: BF125213.D
Acq: 25 Aug 2021 16:58

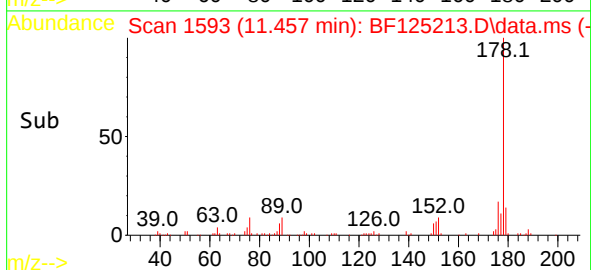
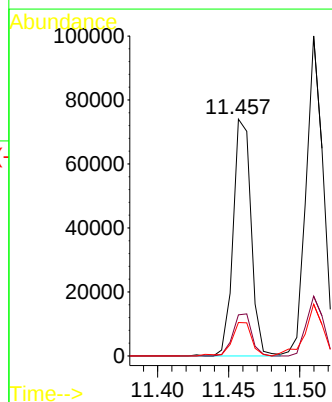
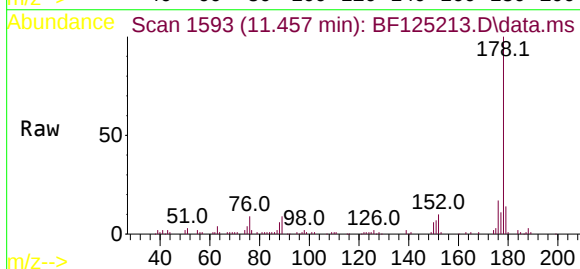
Instrument :
BNA_F
ClientSampleId :
SAMPLE-3-(171.00)

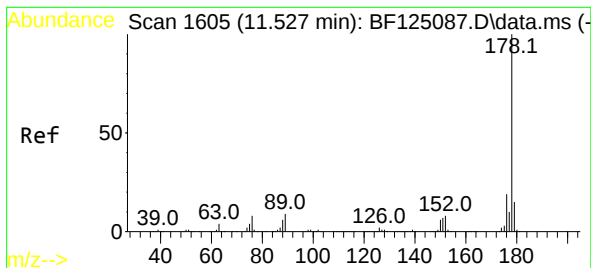
Tgt Ion:248 Resp: 14236
Ion Ratio Lower Upper
248 100
250 191.3 74.2 111.4#
141 548.6 60.4 90.6#



#71
Phenanthrene
Concen: 2.928 ng
RT: 11.457 min Scan# 1593
Delta R.T. -0.006 min
Lab File: BF125213.D
Acq: 25 Aug 2021 16:58

Tgt Ion:178 Resp: 65315
Ion Ratio Lower Upper
178 100
176 17.4 14.7 22.1
179 14.1 11.5 17.3





#72

Anthracene

Concen: 3.920 ng

RT: 11.510 min Scan# 1602

Delta R.T. -0.006 min

Lab File: BF125213.D

Acq: 25 Aug 2021 16:58

Tgt Ion:178 Resp: 86205

Ion Ratio Lower Upper

178 100

176 18.7 14.3 21.5

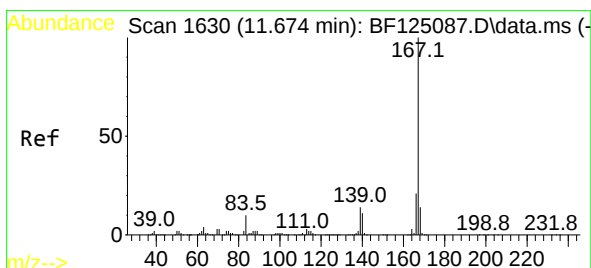
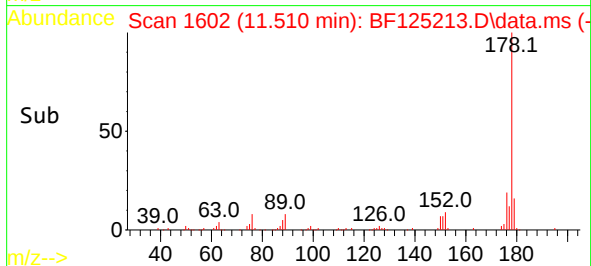
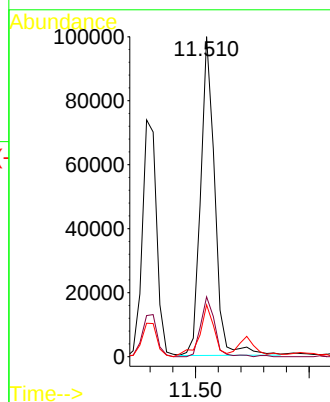
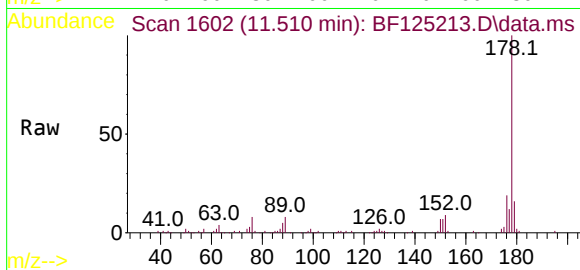
179 16.2 12.2 18.4

Instrument :

BNA_F

ClientSampleId :

SAMPLE-3-(171.00)



#73

Carbazole

Concen: 2.903 ng

RT: 11.663 min Scan# 1628

Delta R.T. -0.006 min

Lab File: BF125213.D

Acq: 25 Aug 2021 16:58

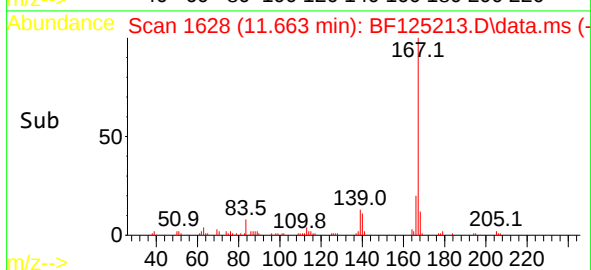
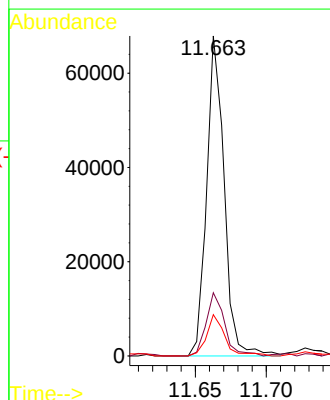
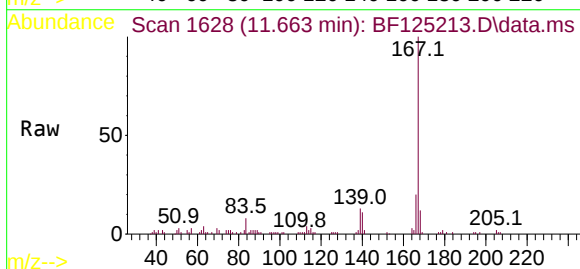
Tgt Ion:167 Resp: 58339

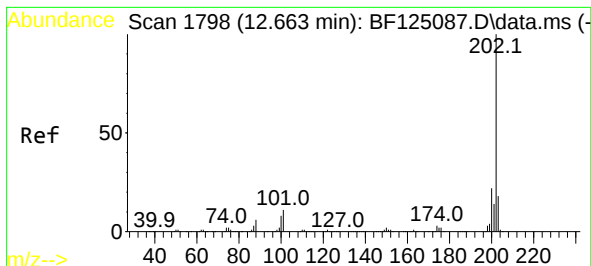
Ion Ratio Lower Upper

167 100

166 19.8 17.4 26.0

139 12.9 11.0 16.4

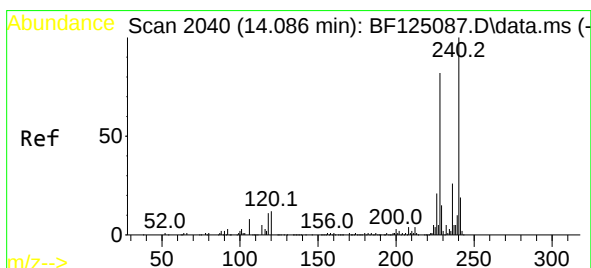
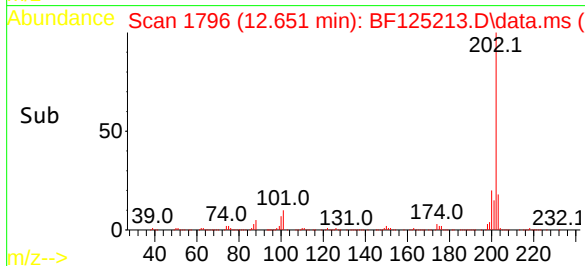
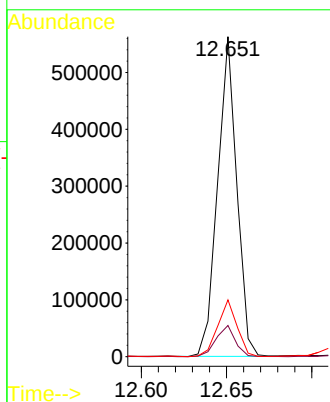
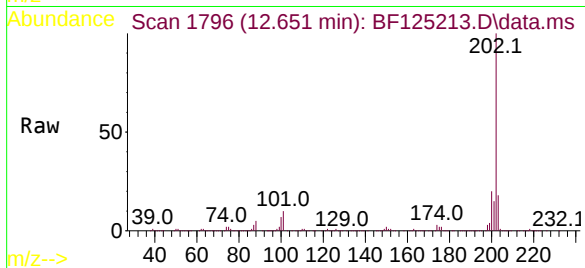




#75
Fluoranthene
Concen: 19.907 ng
RT: 12.651 min Scan# 1796
Delta R.T. 0.000 min
Lab File: BF125213.D
Acq: 25 Aug 2021 16:58

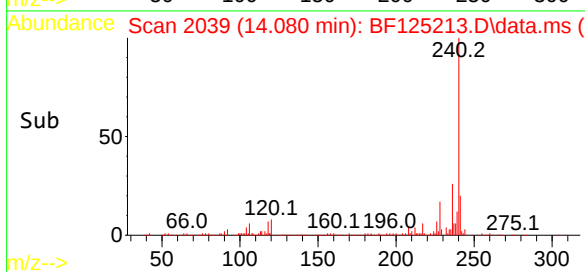
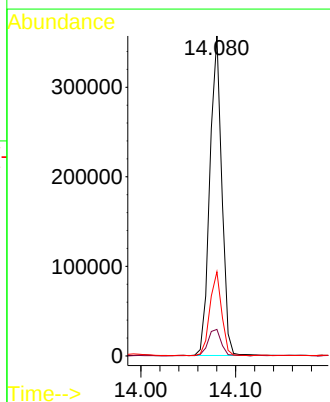
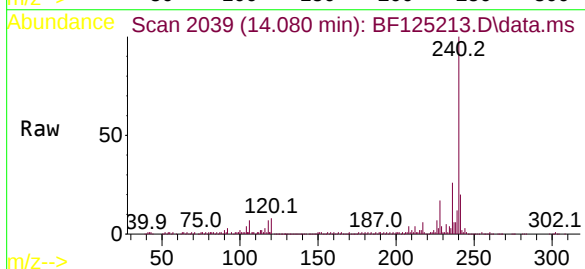
Instrument :
BNA_F
ClientSampleId :
SAMPLE-3-(171.00)

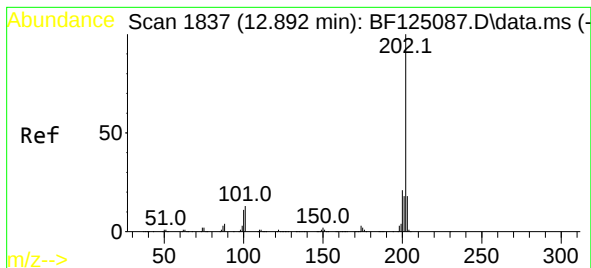
Tgt Ion:202 Resp: 440661
Ion Ratio Lower Upper
202 100
101 9.7 0.0 30.7
203 17.8 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2039
Delta R.T. 0.000 min
Lab File: BF125213.D
Acq: 25 Aug 2021 16:58

Tgt Ion:240 Resp: 311612
Ion Ratio Lower Upper
240 100
120 8.3 10.8 16.2#
236 26.3 21.6 32.4





#78

Pyrene

Concen: 18.223 ng

RT: 12.880 min Scan# 1835

Delta R.T. -0.006 min

Lab File: BF125213.D

Acq: 25 Aug 2021 16:58

Tgt Ion:202 Resp: 487098

Ion Ratio Lower Upper

202 100

200 20.8 15.3 22.9

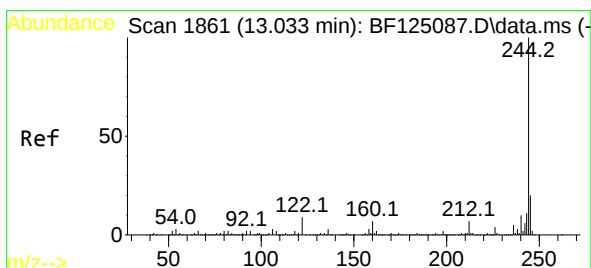
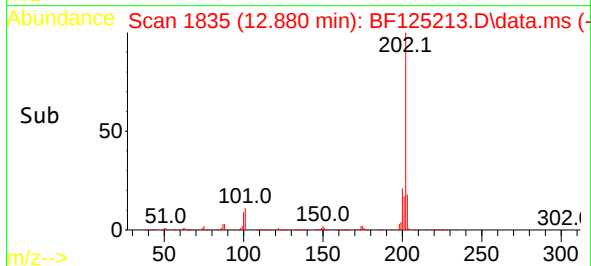
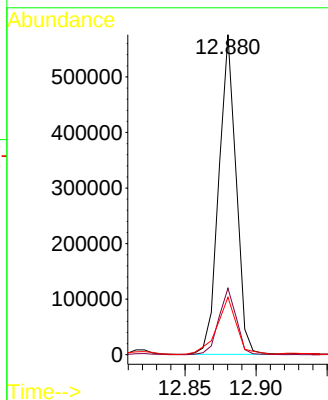
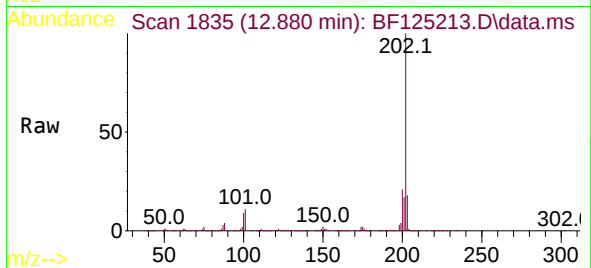
203 18.0 13.4 20.0

Instrument :

BNA_F

ClientSampleId :

SAMPLE-3-(171.00)



#79

Terphenyl-d14

Concen: 45.522 ng

RT: 13.021 min Scan# 1859

Delta R.T. 0.000 min

Lab File: BF125213.D

Acq: 25 Aug 2021 16:58

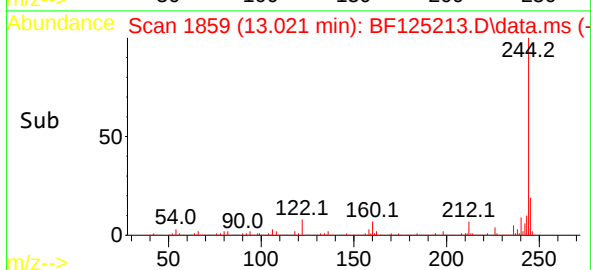
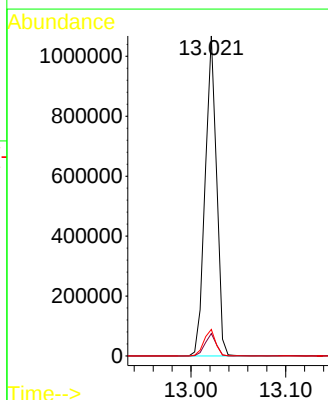
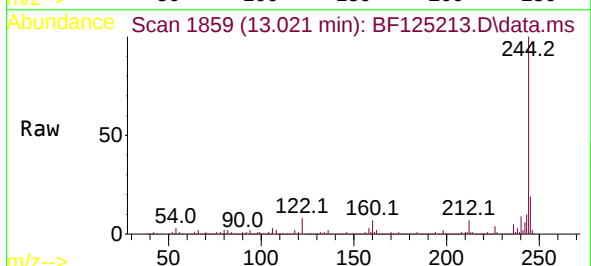
Tgt Ion:244 Resp: 890425

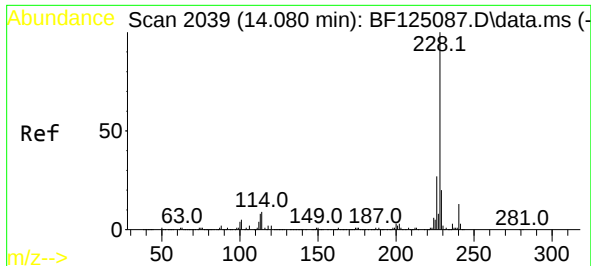
Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

122 8.3 9.0 13.4#

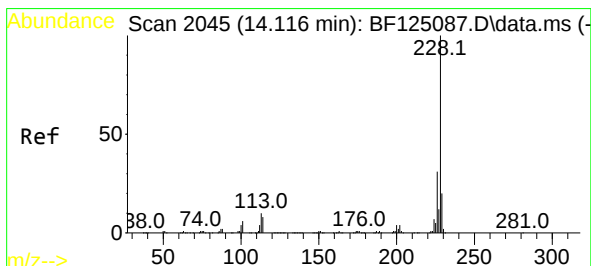
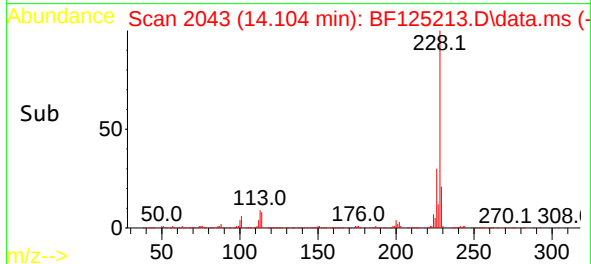
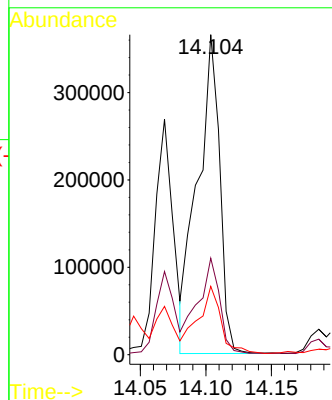
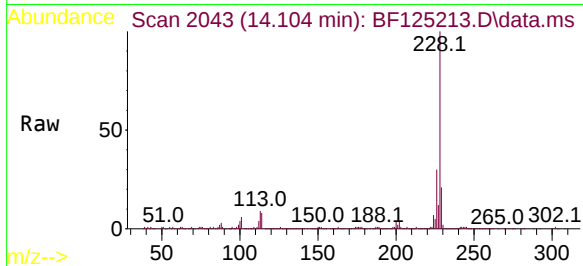




#81
Benzo(a)anthracene
Concen: 19.164 ng
RT: 14.104 min Scan# 2043
Delta R.T. 0.035 min
Lab File: BF125213.D
Acq: 25 Aug 2021 16:58

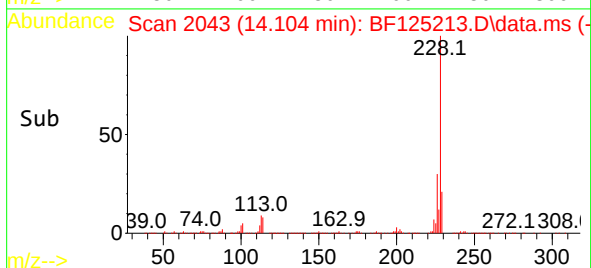
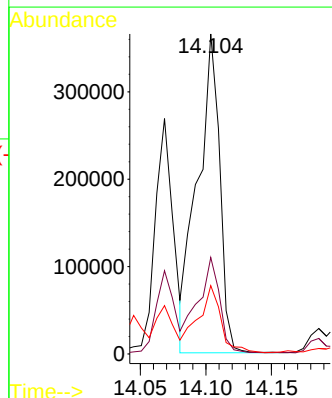
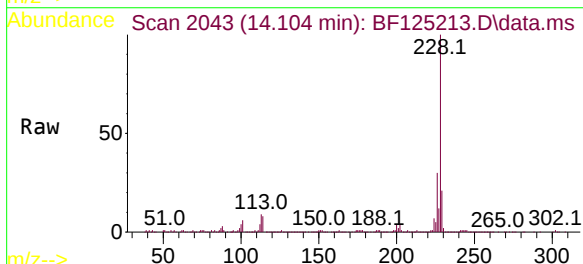
Instrument :
BNA_F
ClientSampleId :
SAMPLE-3-(171.00)

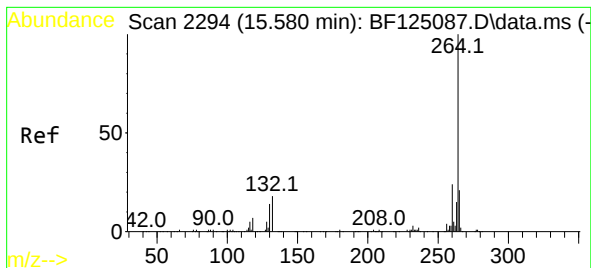
Tgt Ion:228 Resp: 430262
Ion Ratio Lower Upper
228 100
226 30.1 21.6 32.4
229 21.3 15.6 23.4



#83
Chrysene
Concen: 19.378 ng
RT: 14.104 min Scan# 2043
Delta R.T. -0.006 min
Lab File: BF125213.D
Acq: 25 Aug 2021 16:58

Tgt Ion:228 Resp: 430262
Ion Ratio Lower Upper
228 100
226 30.1 22.6 34.0
229 21.3 15.9 23.9

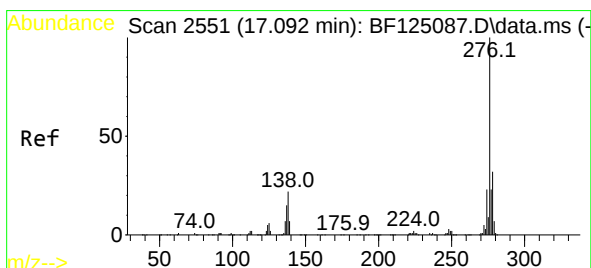
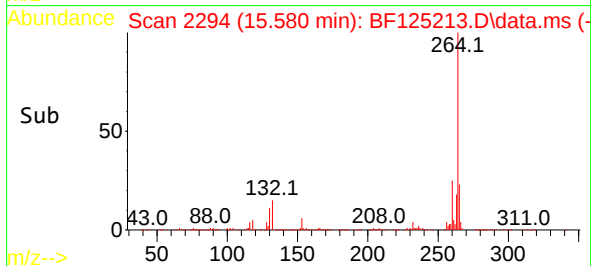
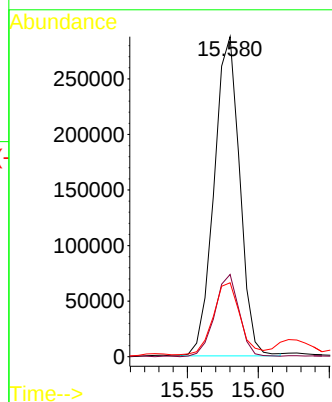
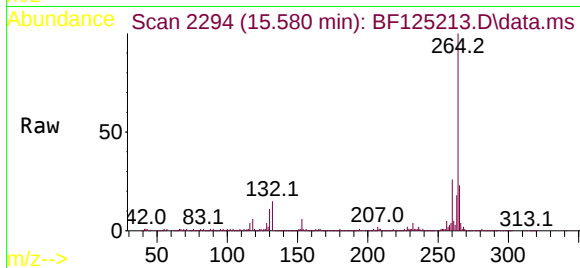




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2294
Delta R.T. 0.006 min
Lab File: BF125213.D
Acq: 25 Aug 2021 16:58

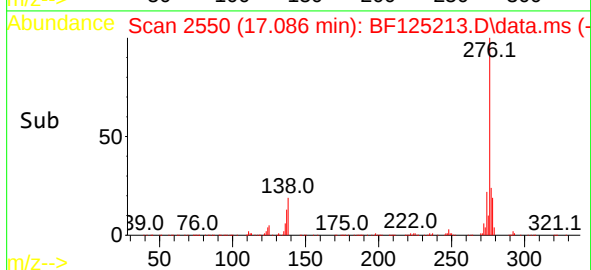
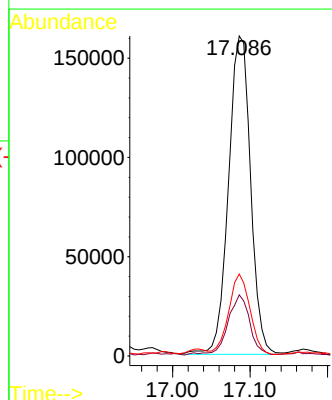
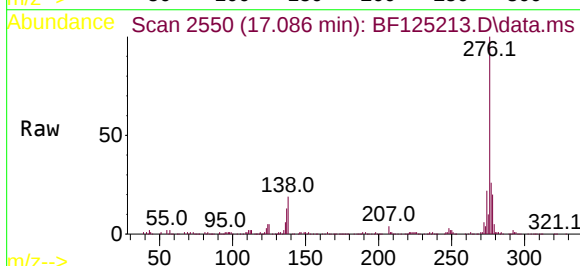
Instrument :
BNA_F
ClientSampleId :
SAMPLE-3-(171.00)

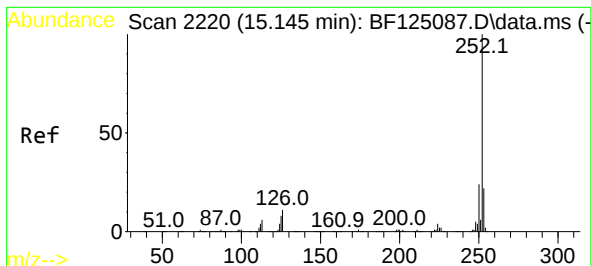
Tgt Ion:	264	Resp:	360127
Ion Ratio	Lower	Upper	
264	100		
260	25.7	19.6	29.4
265	23.1	17.2	25.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 12.308 ng
RT: 17.086 min Scan# 2550
Delta R.T. -0.006 min
Lab File: BF125213.D
Acq: 25 Aug 2021 16:58

Tgt Ion:	276	Resp:	319311
Ion Ratio	Lower	Upper	
276	100		
138	18.7	24.1	36.1#
277	24.4	18.8	28.2





#88

Benzo(b)fluoranthene

Concen: 4.306 ng

RT: 15.245 min Scan# 2237

Delta R.T. 0.112 min

Lab File: BF125213.D

Acq: 25 Aug 2021 16:58

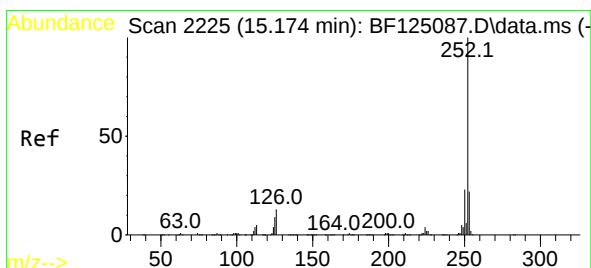
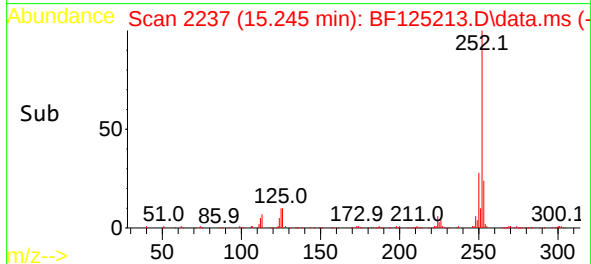
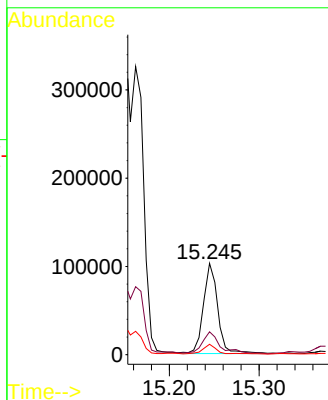
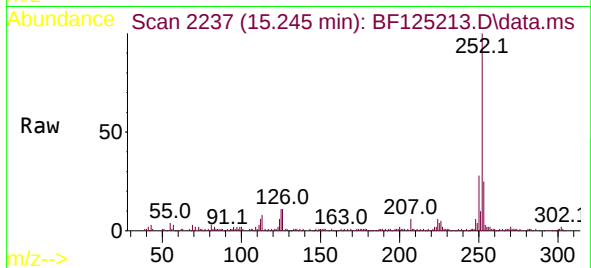
Tgt Ion:252	Resp: 113287
Ion Ratio	Lower Upper
252	100
253	25.1 16.8 25.2
125	11.4 9.8 14.8

Instrument :

BNA_F

ClientSampleId :

SAMPLE-3-(171.00)



#89

Benzo(k)fluoranthene

Concen: 47.548 ng

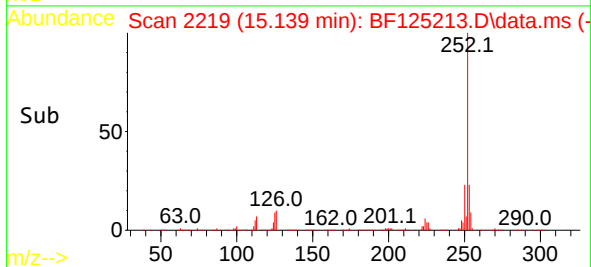
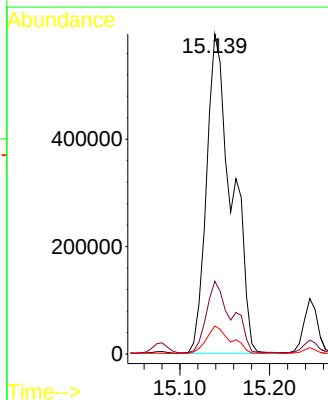
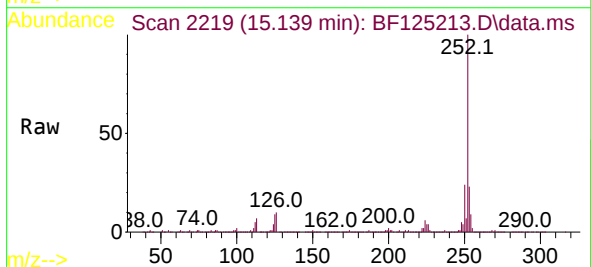
RT: 15.139 min Scan# 2219

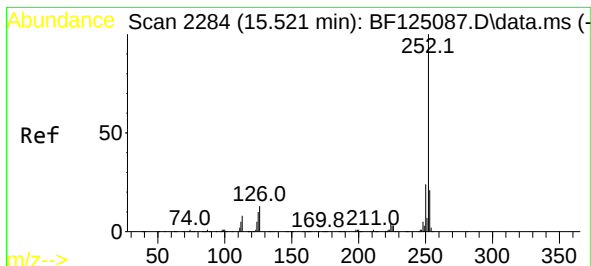
Delta R.T. -0.029 min

Lab File: BF125213.D

Acq: 25 Aug 2021 16:58

Tgt Ion:252	Resp: 1167358
Ion Ratio	Lower Upper
252	100
253	22.8 17.8 26.8
125	8.8 7.2 10.8

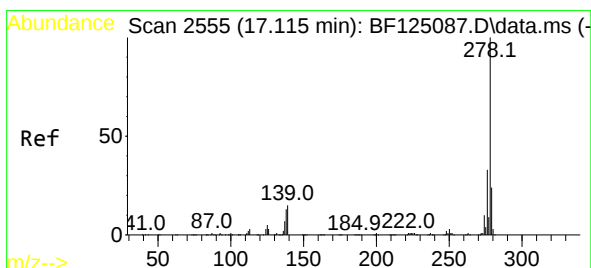
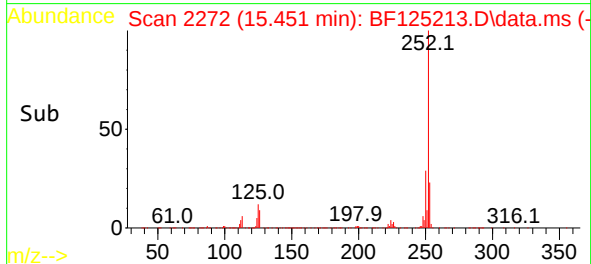
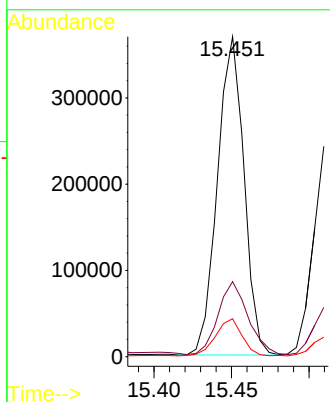
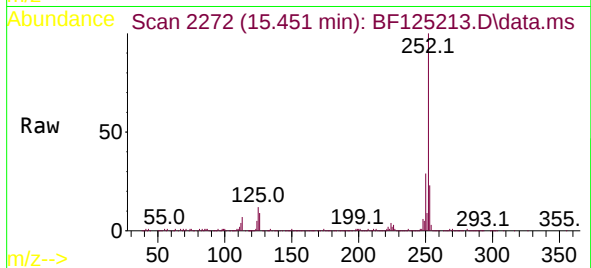




#90
Benzo(a)pyrene
Concen: 18.894 ng
RT: 15.451 min Scan# 2272
Delta R.T. -0.065 min
Lab File: BF125213.D
Acq: 25 Aug 2021 16:58

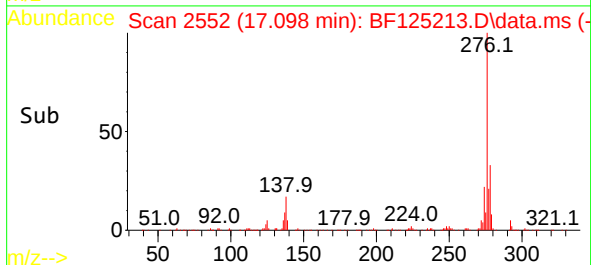
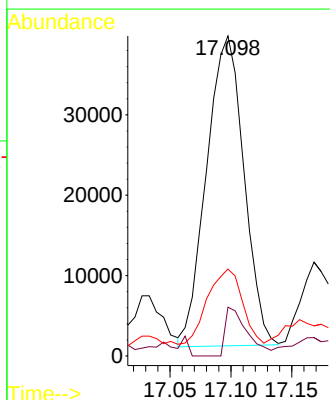
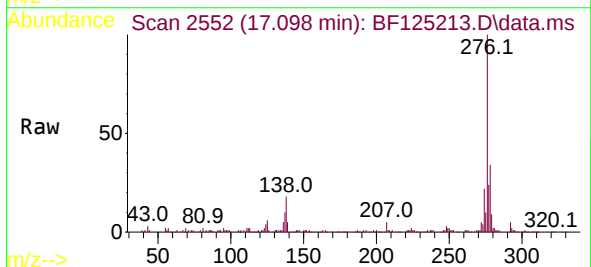
Instrument :
BNA_F
ClientSampleId :
SAMPLE-3-(171.00)

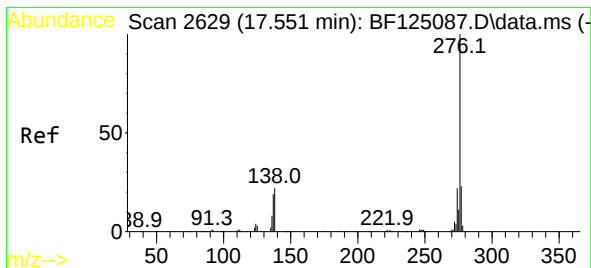
Tgt Ion:252 Resp: 439117
Ion Ratio Lower Upper
252 100
253 23.4 18.4 27.6
125 11.9 9.9 14.9



#91
Dibenzo(a,h)anthracene
Concen: 3.676 ng
RT: 17.098 min Scan# 2552
Delta R.T. -0.012 min
Lab File: BF125213.D
Acq: 25 Aug 2021 16:58

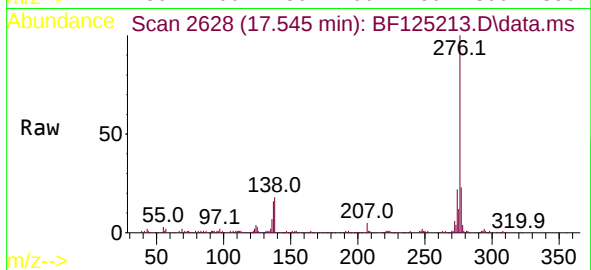
Tgt Ion:278 Resp: 82428
Ion Ratio Lower Upper
278 100
139 15.3 14.9 22.3
279 27.2 19.7 29.5





#92
Benzo(g,h,i)perylene
Concen: 12.695 ng
RT: 17.545 min Scan# 2628
Delta R.T. -0.006 min
Lab File: BF125213.D
Acq: 25 Aug 2021 16:58

Instrument :
BNA_F
ClientSampleId :
SAMPLE-3-(171.00)



Tgt Ion:276 Resp: 274510
Ion Ratio Lower Upper
276 100
277 23.5 22.0 33.0
138 18.1 22.2 33.4#

