

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
 Data File : BF125214.D
 Acq On : 25 Aug 2021 17:32
 Operator : JU/CG
 Sample : M3467-19
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-5-(184.50)

Quant Time: Aug 25 17:58:29 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

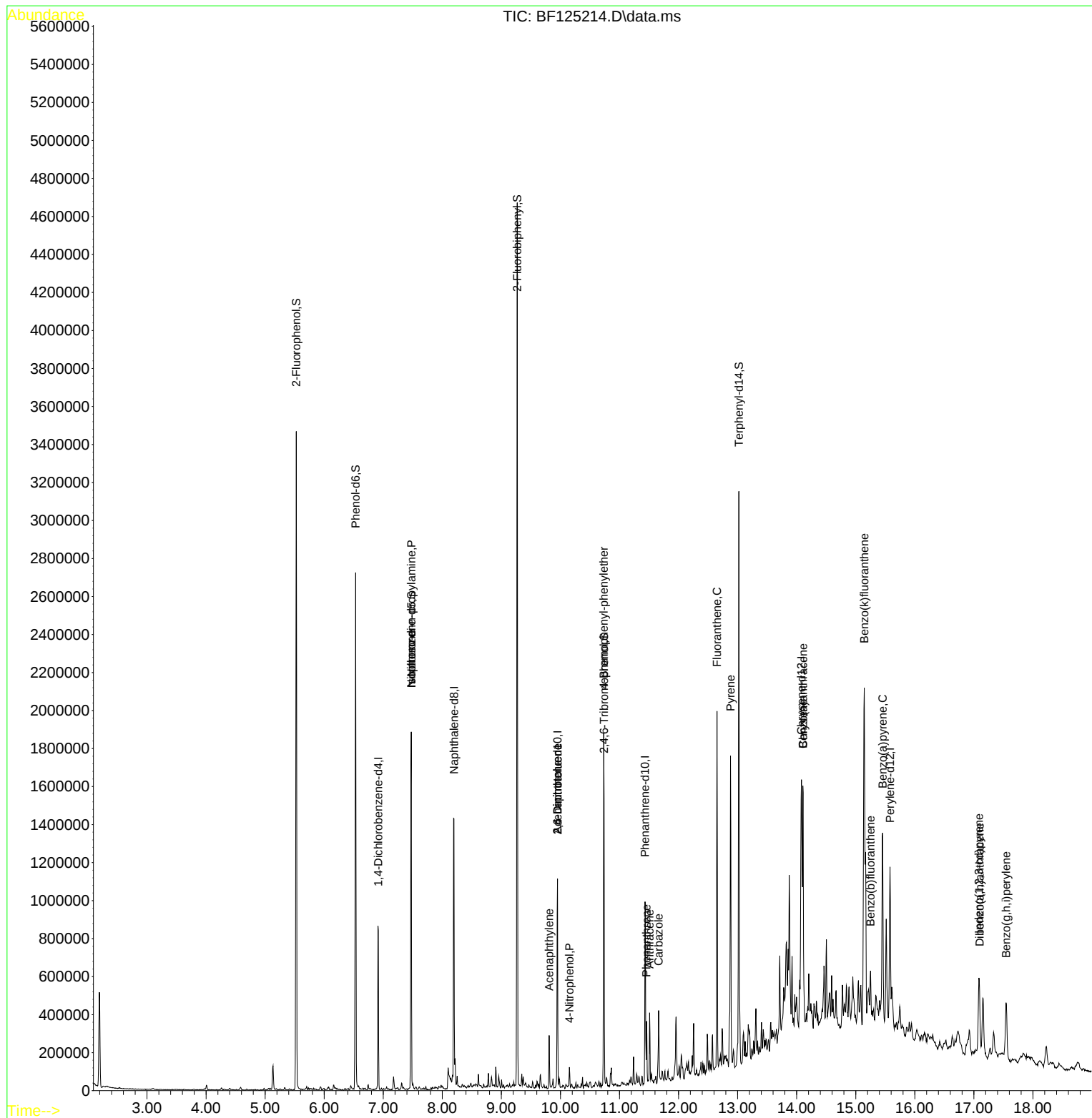
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	125551	20.000	ng	0.00
21) Naphthalene-d8	8.198	136	632723	20.000	ng	# 0.00
39) Acenaphthene-d10	9.951	164	217162	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	357755	20.000	ng	0.00
76) Chrysene-d12	14.080	240	322138	20.000	ng	# 0.00
86) Perylene-d12	15.580	264	356026	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	873691	105.329	ng	0.00
7) Phenol-d6	6.534	99	793007	73.920	ng	0.00
23) Nitrobenzene-d5	7.475	82	554502	44.120	ng	0.00
42) 2,4,6-Tribromophenol	10.739	330	213570	98.521	ng	0.00
45) 2-Fluorobiphenyl	9.269	172	1323694	84.954	ng	0.00
79) Terphenyl-d14	13.021	244	967995	47.871	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.475	70	77168	11.959	ng	# 57
25) Isophorone	7.475	82	554364	22.865	ng	# 59
49) Acenaphthylene	9.810	152	102865	4.962	ng	98
51) 2,6-Dinitrotoluene	9.951	165	28398	8.703	ng	# 28
56) 4-Nitrophenol	10.151	139	12897	4.628	ng	# 12
57) 2,4-Dinitrotoluene	9.951	165	28398	7.190	ng	# 19
67) 4-Bromophenyl-phenylether	10.733	248	13588	3.163	ng	# 1
71) Phenanthrene	11.457	178	113292	5.747	ng	100
72) Anthracene	11.510	178	138980	7.153	ng	98
73) Carbazole	11.663	167	128974	7.264	ng	99
75) Fluoranthene	12.651	202	697082	35.639	ng	97
78) Pyrene	12.880	202	652946	23.629	ng	95
81) Benzo(a)anthracene	14.110	228	660542	28.459	ng	93
83) Chrysene	14.110	228	660542	28.777	ng	95
87) Indeno(1,2,3-cd)pyrene	17.086	276	292224	11.393	ng	# 86
88) Benzo(b)fluoranthene	15.251	252	118481	4.555	ng	93
89) Benzo(k)fluoranthene	15.145	252	1370958	56.484	ng	98
90) Benzo(a)pyrene	15.457	252	511952	22.282	ng	97
91) Dibenzo(a,h)anthracene	17.098	278	72187	3.256	ng	92
92) Benzo(g,h,i)perylene	17.545	276	239912	11.223	ng	# 87

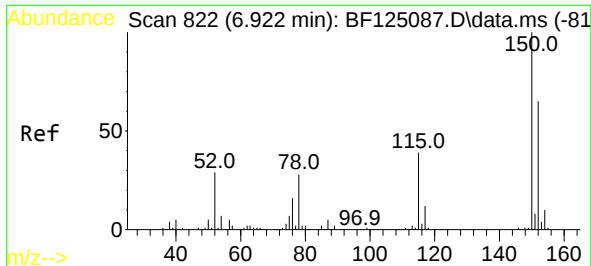
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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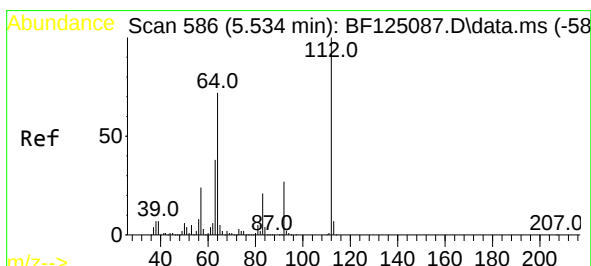
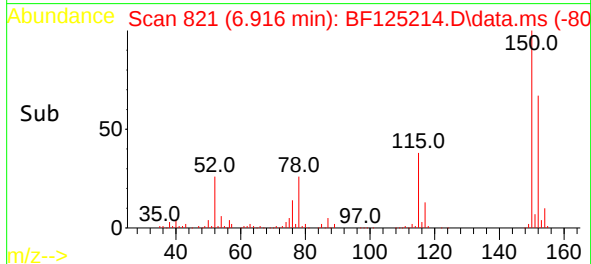
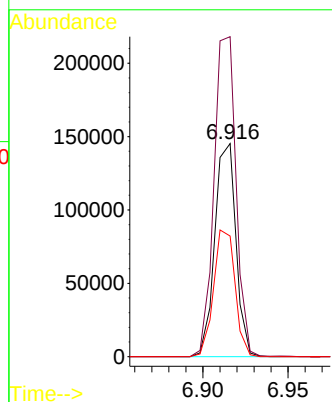
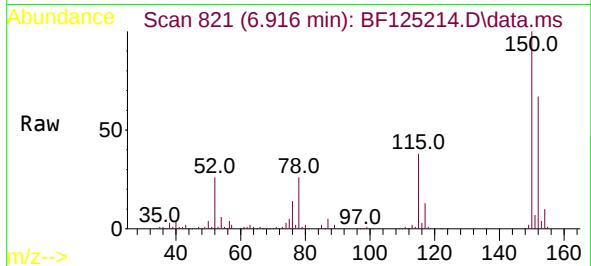




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.916 min Scan# 821
Delta R.T. -0.000 min
Lab File: BF125214.D
Acq: 25 Aug 2021 17:32

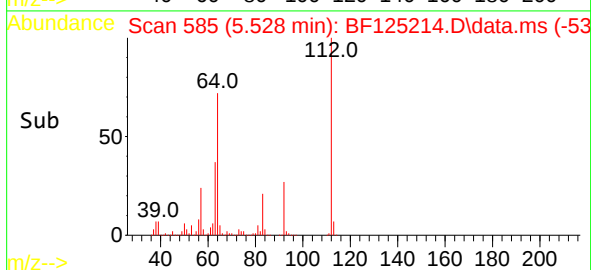
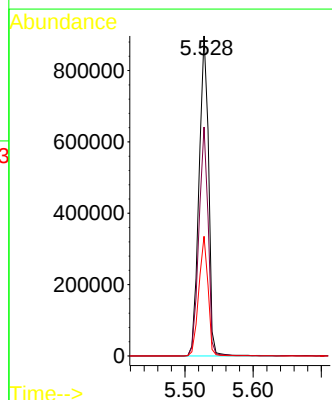
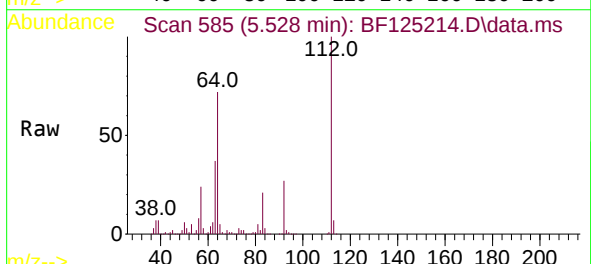
Instrument :
BNA_F
ClientSampleId :
SAMPLE-5-(184.50)

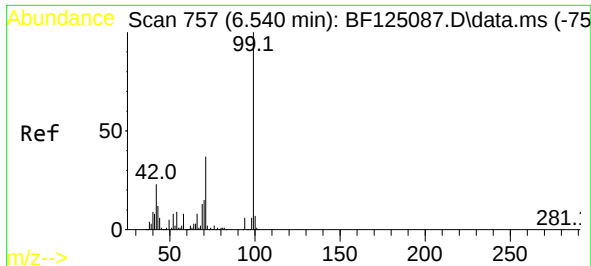
Tgt Ion:152 Resp: 125551
Ion Ratio Lower Upper
152 100
150 150.2 117.6 176.4
115 56.6 47.1 70.7



#5
2-Fluorophenol
Concen: 105.329 ng
RT: 5.528 min Scan# 585
Delta R.T. 0.000 min
Lab File: BF125214.D
Acq: 25 Aug 2021 17:32

Tgt Ion:112 Resp: 873691
Ion Ratio Lower Upper
112 100
64 71.5 44.2 66.2#
63 37.4 26.2 39.2

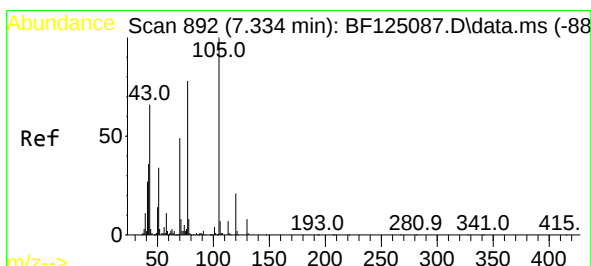
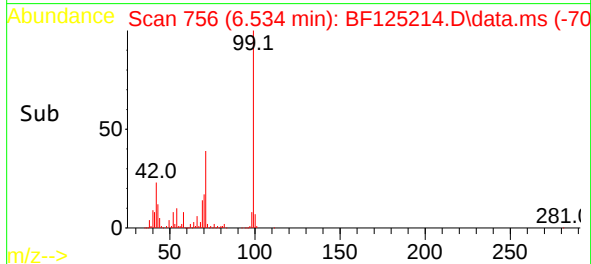
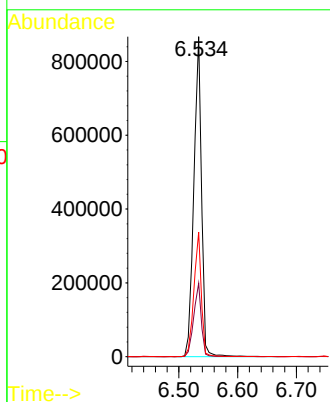
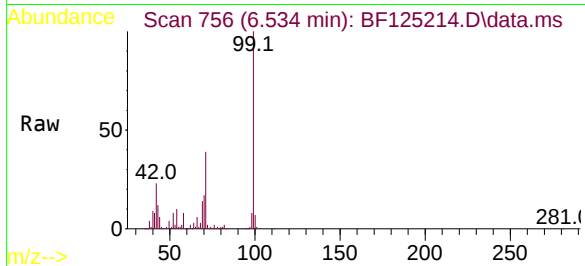




#7
Phenol-d6
Concen: 73.920 ng
RT: 6.534 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF125214.D
Acq: 25 Aug 2021 17:32

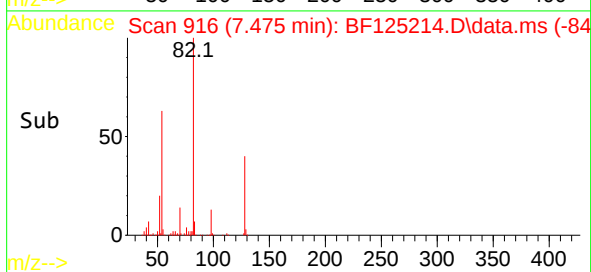
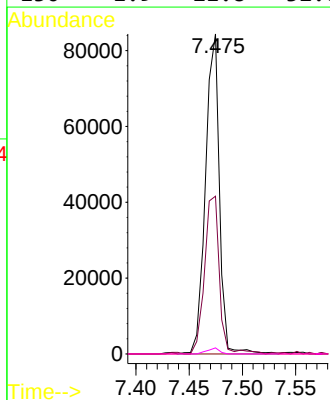
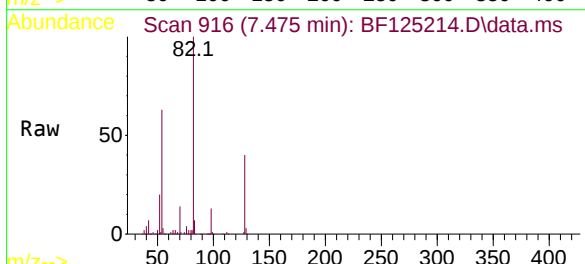
Instrument :
BNA_F
ClientSampleId :
SAMPLE-5-(184.50)

Tgt Ion: 99 Resp: 793007
Ion Ratio Lower Upper
99 100
42 23.0 23.5 35.3#
71 39.0 25.6 38.4#



#19
n-Nitroso-di-n-propylamine
Concen: 11.959 ng
RT: 7.475 min Scan# 916
Delta R.T. 0.147 min
Lab File: BF125214.D
Acq: 25 Aug 2021 17:32

Tgt Ion: 70 Resp: 77168
Ion Ratio Lower Upper
70 100
42 49.3 72.2 108.2#
101 0.0 7.8 11.8#
130 1.9 21.8 32.6#

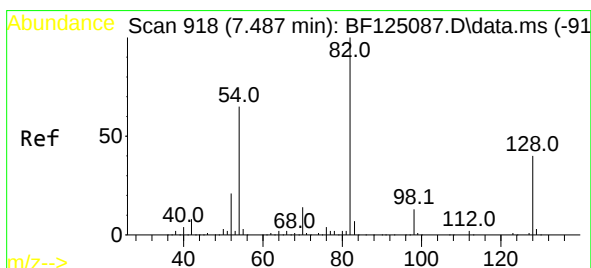
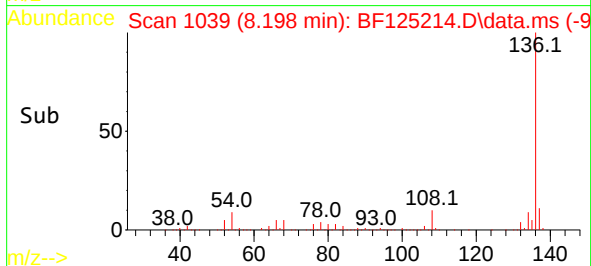
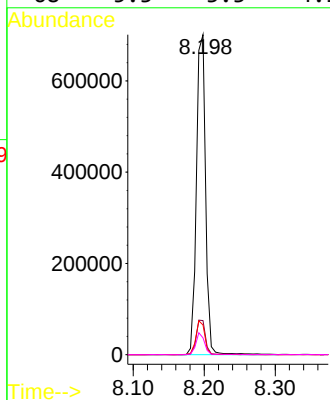
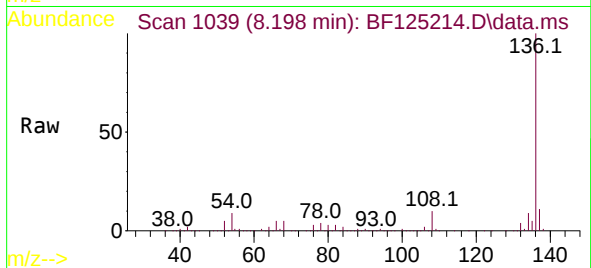




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.198 min Scan# 1039
Delta R.T. 0.000 min
Lab File: BF125214.D
Acq: 25 Aug 2021 17:32

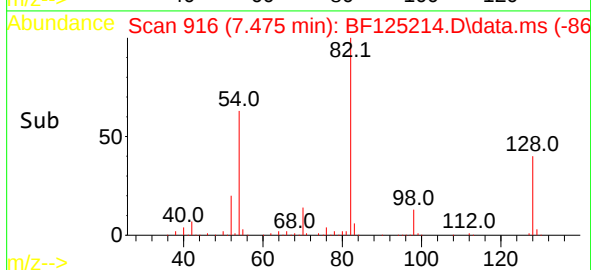
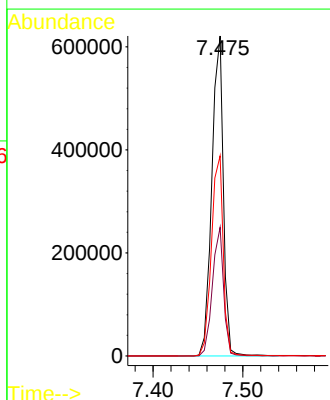
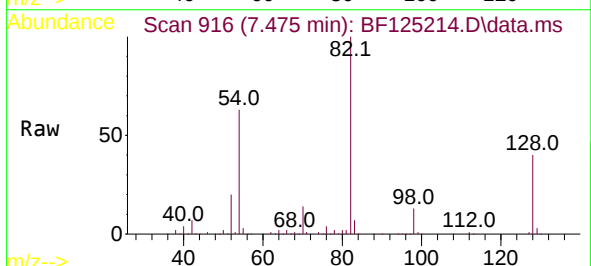
Instrument :
BNA_F
ClientSampleId :
SAMPLE-5-(184.50)

Tgt Ion:136 Resp: 632723
Ion Ratio Lower Upper
136 100
137 10.6 9.8 14.6
54 9.3 6.4 9.6
68 5.3 3.3 4.9#



#23
Nitrobenzene-d5
Concen: 44.120 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.006 min
Lab File: BF125214.D
Acq: 25 Aug 2021 17:32

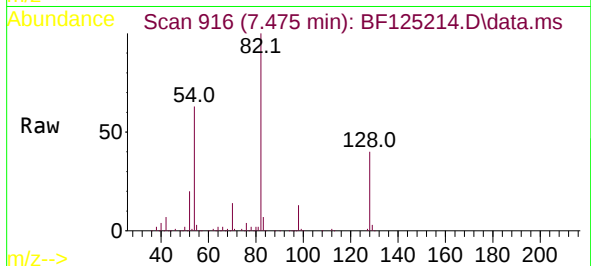
Tgt Ion: 82 Resp: 554502
Ion Ratio Lower Upper
82 100
128 40.2 40.6 60.8#
54 62.6 49.6 74.4



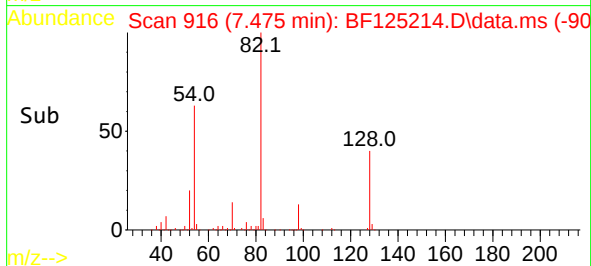
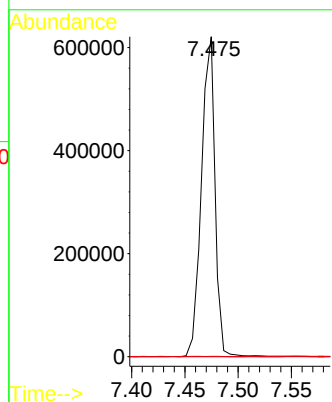


#25
Isophorone
Concen: 22.865 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.259 min
Lab File: BF125214.D
Acq: 25 Aug 2021 17:32

Instrument :
BNA_F
ClientSampleId :
SAMPLE-5-(184.50)

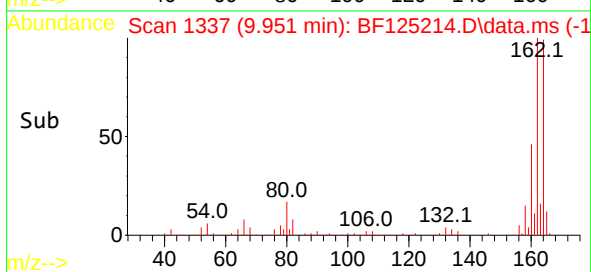
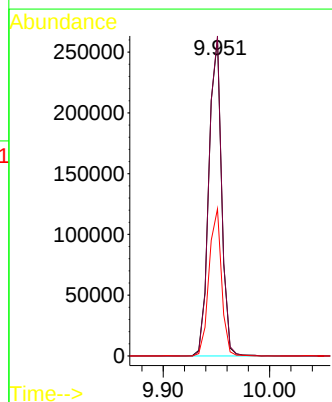
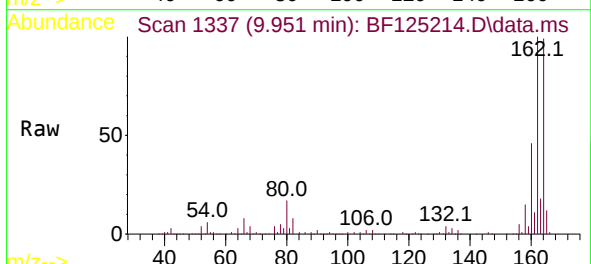


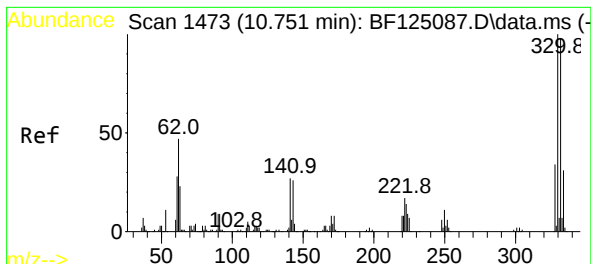
Tgt Ion: 82 Resp: 554364
Ion Ratio Lower Upper
82 100
95 0.1 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.951 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BF125214.D
Acq: 25 Aug 2021 17:32

Tgt Ion: 164 Resp: 217162
Ion Ratio Lower Upper
164 100
162 100.9 81.3 121.9
160 46.3 38.0 57.0

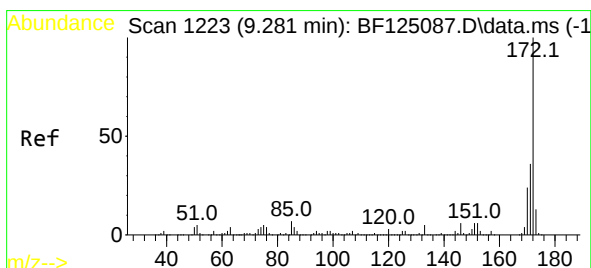
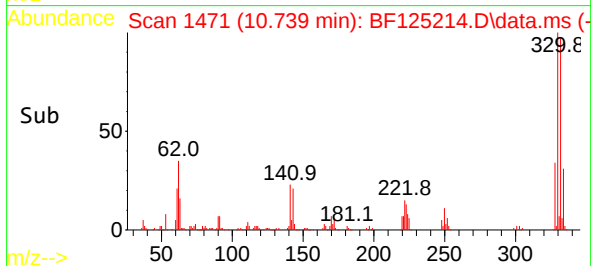
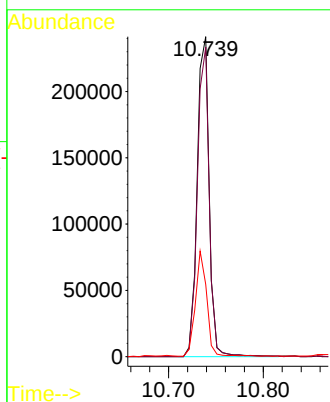
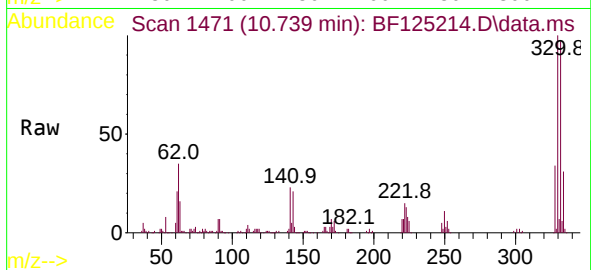




#42
2,4,6-Tribromophenol
Concen: 98.521 ng
RT: 10.739 min Scan# 1471
Delta R.T. 0.000 min
Lab File: BF125214.D
Acq: 25 Aug 2021 17:32

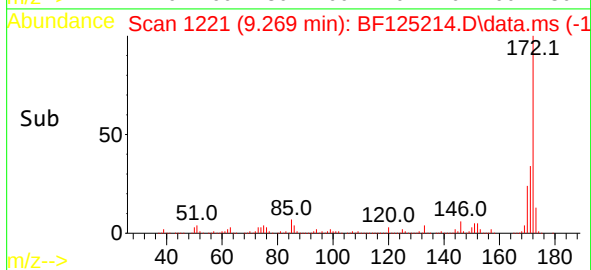
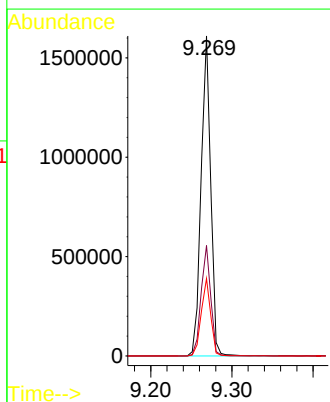
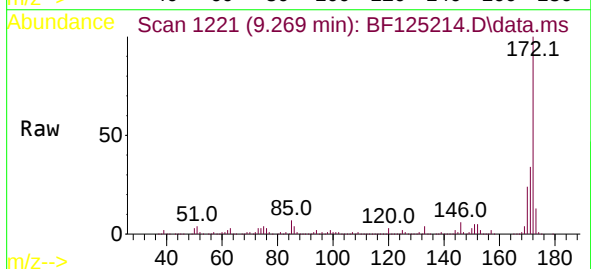
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ClientSampleId :
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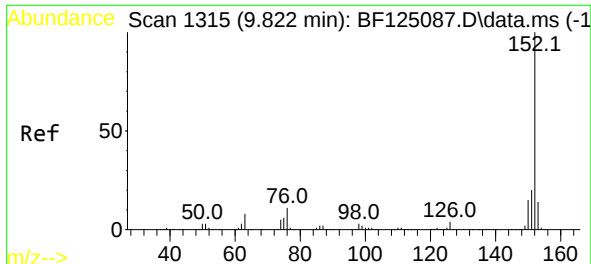
Tgt Ion:330 Resp: 213570
Ion Ratio Lower Upper
330 100
332 95.4 76.2 114.4
141 31.0 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 84.954 ng
RT: 9.269 min Scan# 1221
Delta R.T. -0.006 min
Lab File: BF125214.D
Acq: 25 Aug 2021 17:32

Tgt Ion:172 Resp: 1323694
Ion Ratio Lower Upper
172 100
171 34.5 26.5 39.7
170 24.2 18.8 28.2





#49

Acenaphthylene

Concen: 4.962 ng

RT: 9.810 min Scan# 1313

Delta R.T. -0.006 min

Lab File: BF125214.D

Acq: 25 Aug 2021 17:32

Instrument :

BNA_F

ClientSampleId :

SAMPLE-5-(184.50)

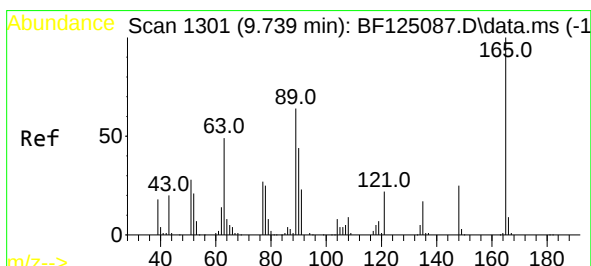
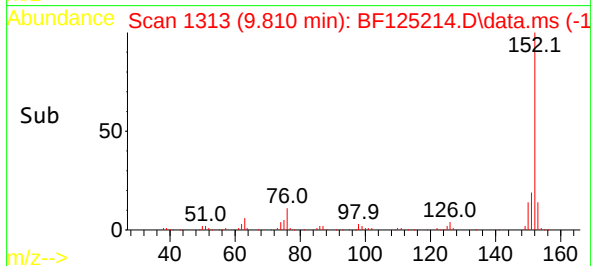
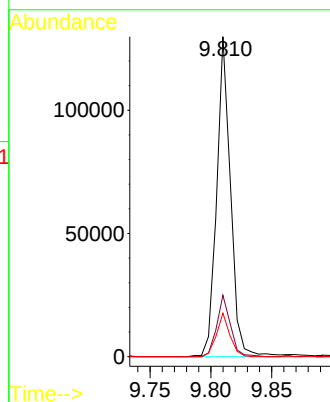
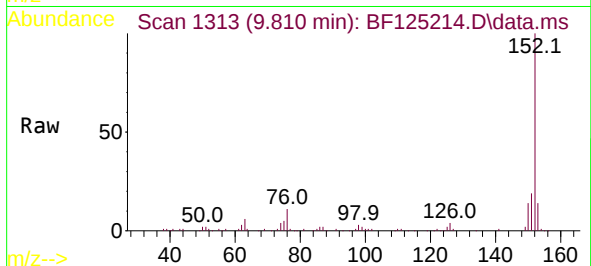
Tgt Ion:152 Resp: 102865

Ion Ratio Lower Upper

152 100

151 19.2 15.7 23.5

153 13.6 9.8 14.8



#51

2,6-Dinitrotoluene

Concen: 8.703 ng

RT: 9.951 min Scan# 1337

Delta R.T. 0.218 min

Lab File: BF125214.D

Acq: 25 Aug 2021 17:32

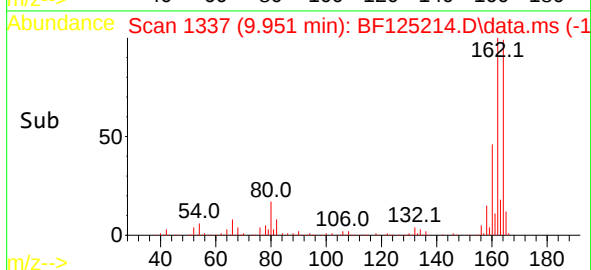
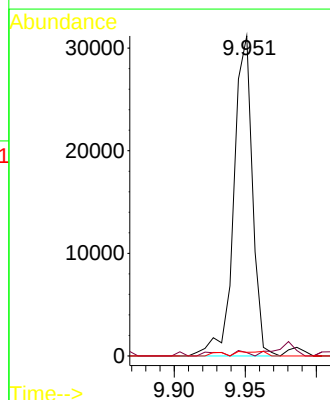
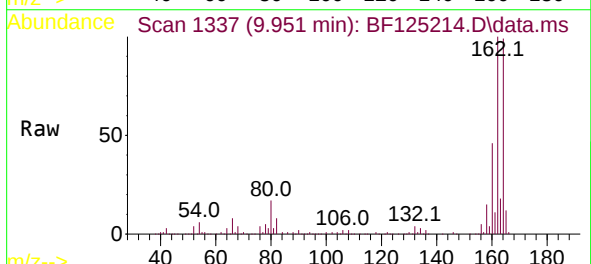
Tgt Ion:165 Resp: 28398

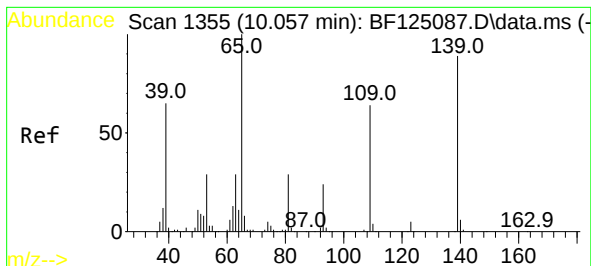
Ion Ratio Lower Upper

165 100

63 1.1 42.6 63.8#

89 1.2 40.6 60.8#

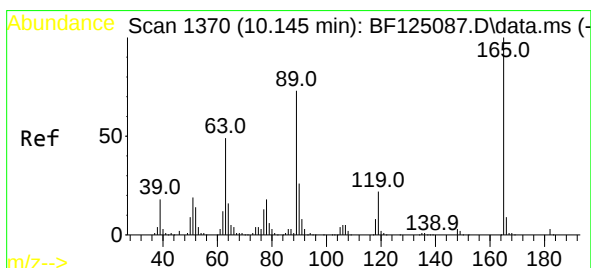
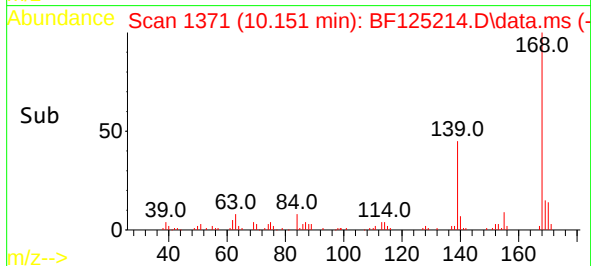
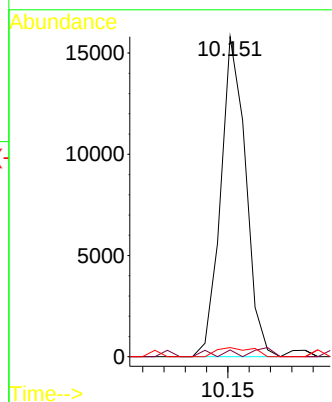
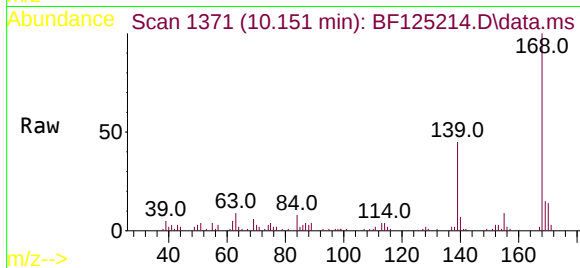




#56
4-Nitrophenol
Concen: 4.628 ng
RT: 10.151 min Scan# 1371
Delta R.T. 0.100 min
Lab File: BF125214.D
Acq: 25 Aug 2021 17:32

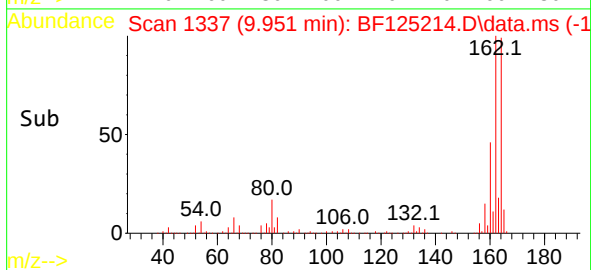
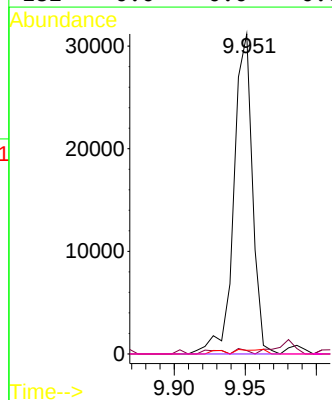
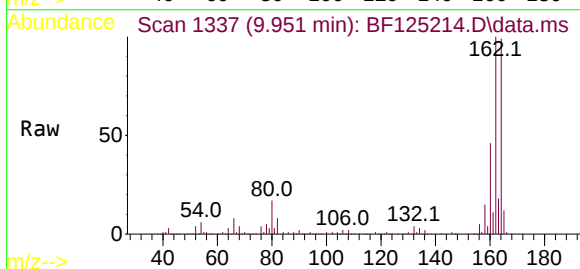
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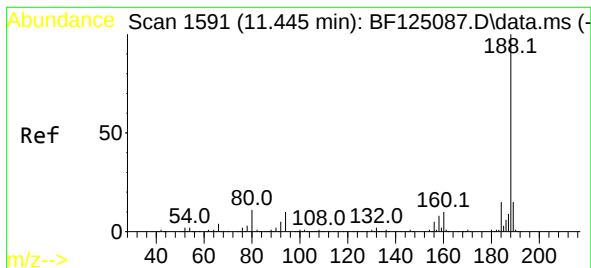
Tgt Ion:139 Resp: 12897
Ion Ratio Lower Upper
139 100
109 2.1 60.4 100.4#
65 2.9 58.4 98.4#



#57
2,4-Dinitrotoluene
Concen: 7.190 ng
RT: 9.951 min Scan# 1337
Delta R.T. -0.182 min
Lab File: BF125214.D
Acq: 25 Aug 2021 17:32

Tgt Ion:165 Resp: 28398
Ion Ratio Lower Upper
165 100
63 1.1 40.9 61.3#
89 1.2 59.7 89.5#
182 0.0 0.0 0.0

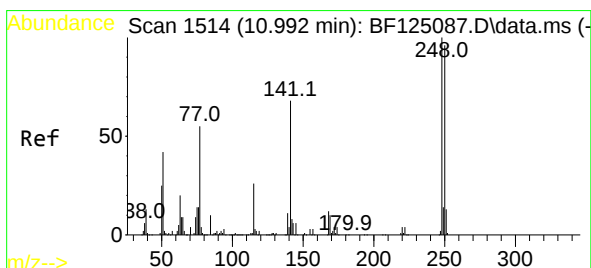
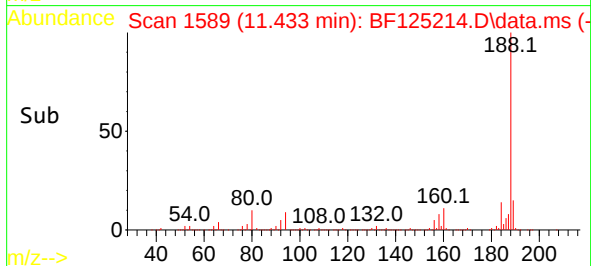
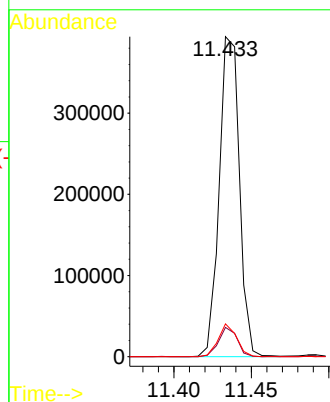
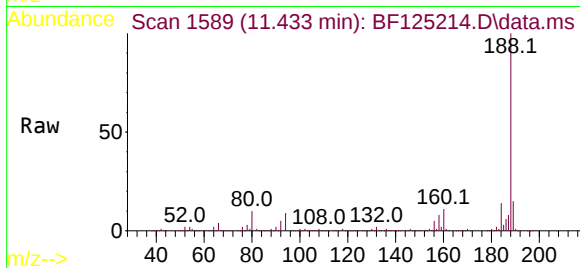




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF125214.D
Acq: 25 Aug 2021 17:32

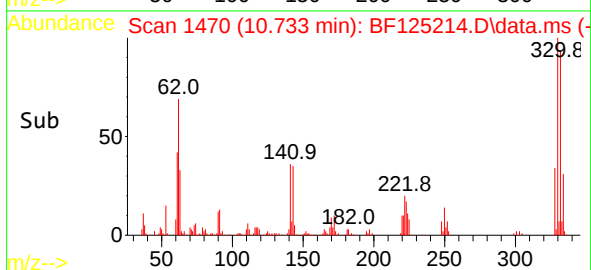
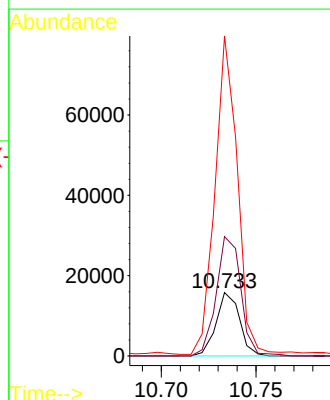
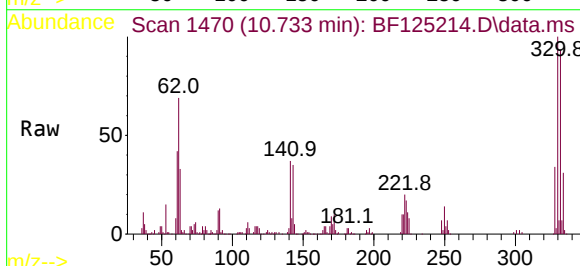
Instrument :
BNA_F
ClientSampleId :
SAMPLE-5-(184.50)

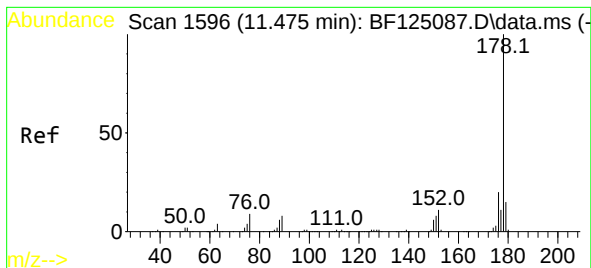
Tgt Ion:188 Resp: 357755
Ion Ratio Lower Upper
188 100
94 9.1 6.7 10.1
80 10.3 7.5 11.3



#67
4-Bromophenyl-phenylether
Concen: 3.163 ng
RT: 10.733 min Scan# 1470
Delta R.T. -0.247 min
Lab File: BF125214.D
Acq: 25 Aug 2021 17:32

Tgt Ion:248 Resp: 13588
Ion Ratio Lower Upper
248 100
250 188.2 74.2 111.4#
141 504.6 60.4 90.6#

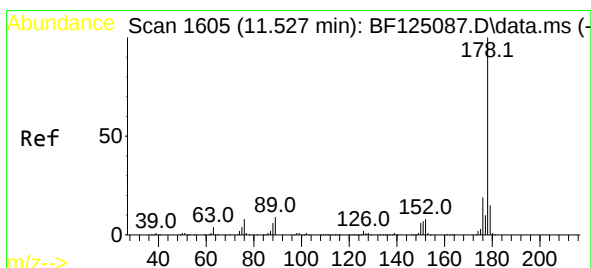
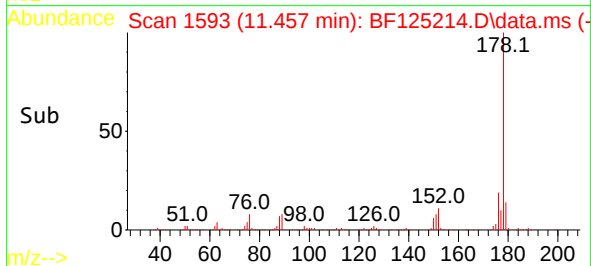
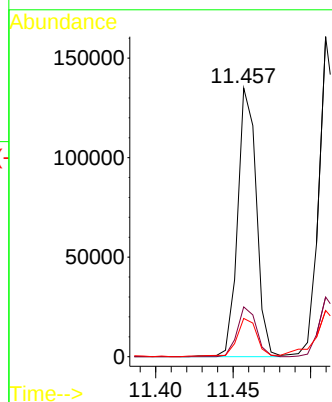
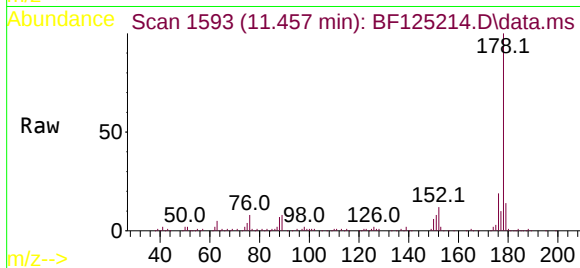




#71
Phenanthrene
Concen: 5.747 ng
RT: 11.457 min Scan# 1593
Delta R.T. -0.006 min
Lab File: BF125214.D
Acq: 25 Aug 2021 17:32

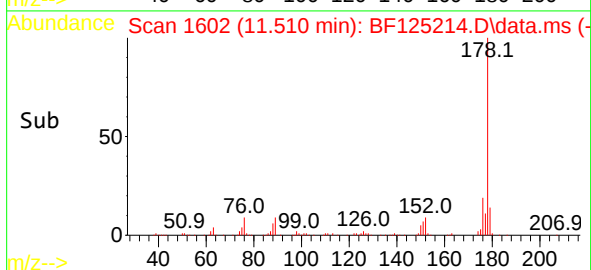
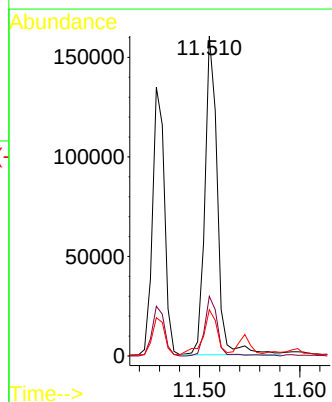
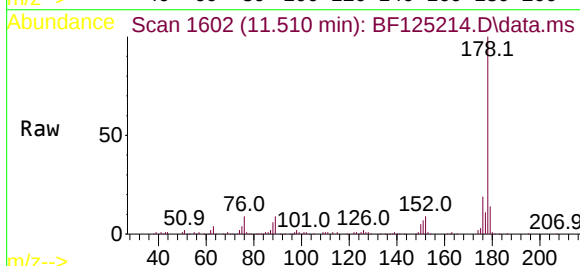
Instrument :
BNA_F
ClientSampleId :
SAMPLE-5-(184.50)

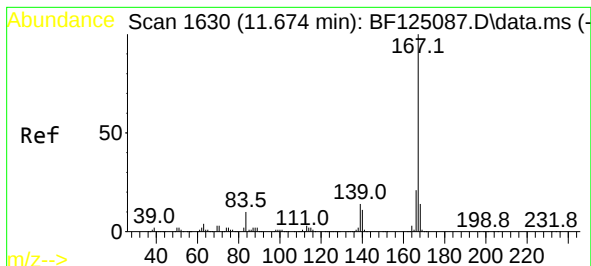
Tgt Ion:178 Resp: 113292
Ion Ratio Lower Upper
178 100
176 18.5 14.7 22.1
179 14.2 11.5 17.3



#72
Anthracene
Concen: 7.153 ng
RT: 11.510 min Scan# 1602
Delta R.T. -0.006 min
Lab File: BF125214.D
Acq: 25 Aug 2021 17:32

Tgt Ion:178 Resp: 138980
Ion Ratio Lower Upper
178 100
176 18.7 14.3 21.5
179 14.5 12.2 18.4





#73

Carbazole

Concen: 7.264 ng

RT: 11.663 min Scan# 1628

Delta R.T. -0.006 min

Lab File: BF125214.D

Acq: 25 Aug 2021 17:32

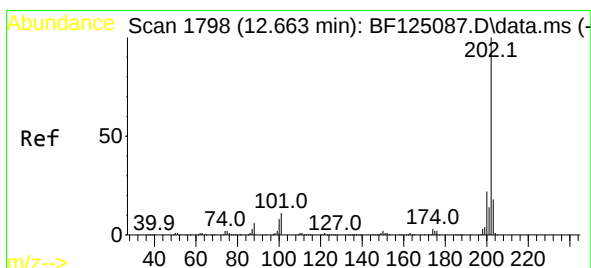
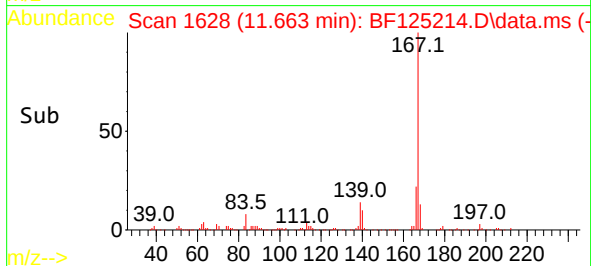
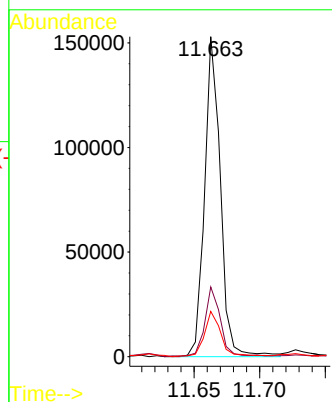
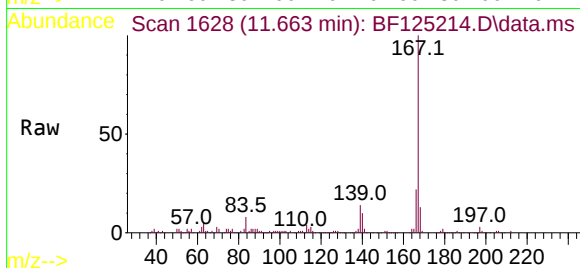
Instrument :

BNA_F

ClientSampleId :

SAMPLE-5-(184.50)

Tgt Ion:167	Resp:	128974
Ion Ratio	Lower	Upper
167	100	
166	21.8	17.4 26.0
139	14.2	11.0 16.4



#75

Fluoranthene

Concen: 35.639 ng

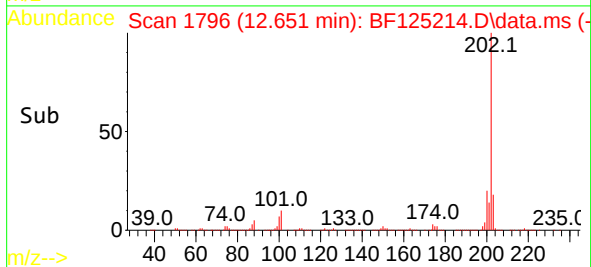
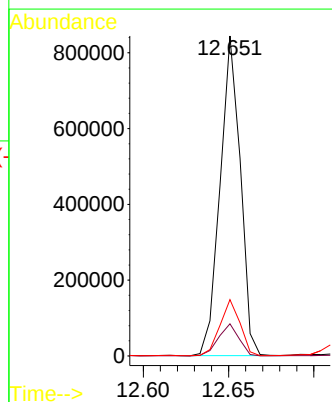
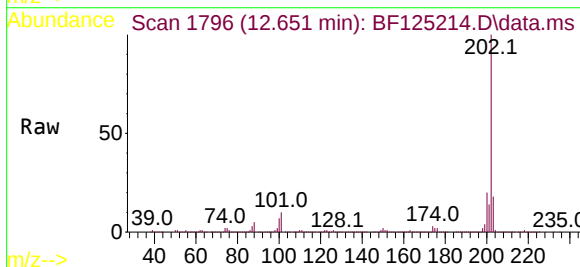
RT: 12.651 min Scan# 1796

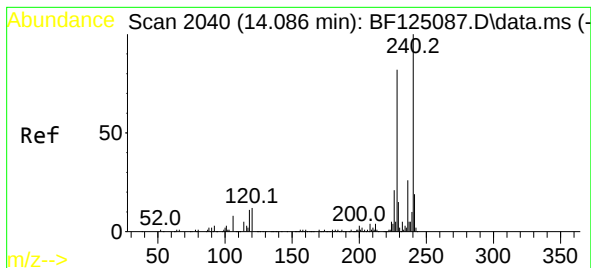
Delta R.T. 0.000 min

Lab File: BF125214.D

Acq: 25 Aug 2021 17:32

Tgt Ion:202	Resp:	697082
Ion Ratio	Lower	Upper
202	100	
101	10.1	0.0 30.7
203	17.6	0.0 36.3

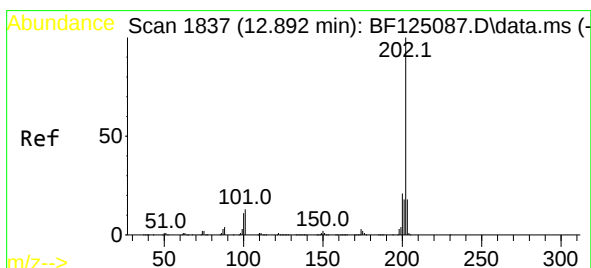
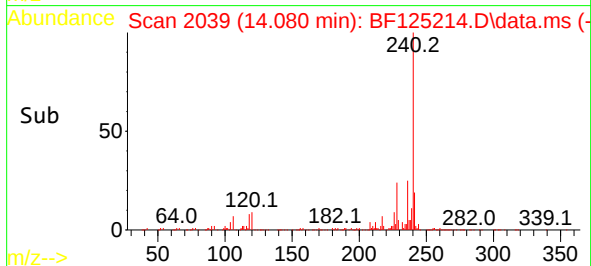
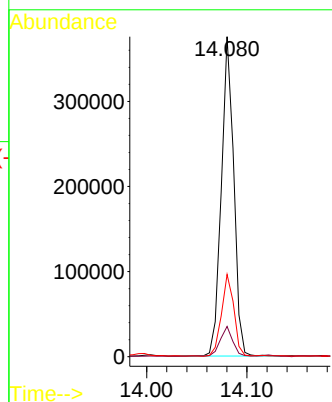
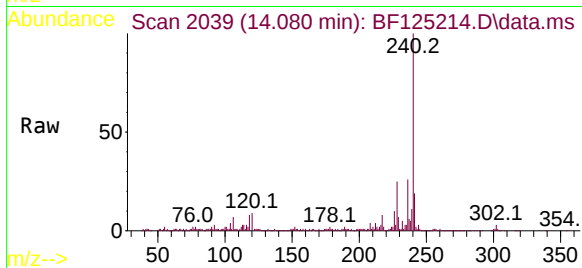




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2039
Delta R.T. 0.000 min
Lab File: BF125214.D
Acq: 25 Aug 2021 17:32

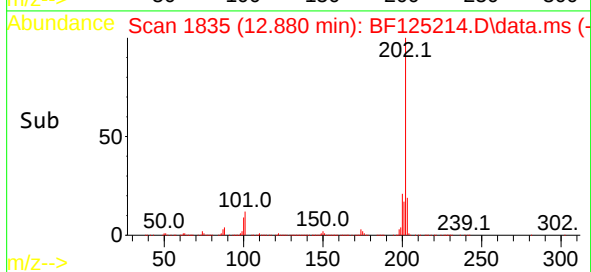
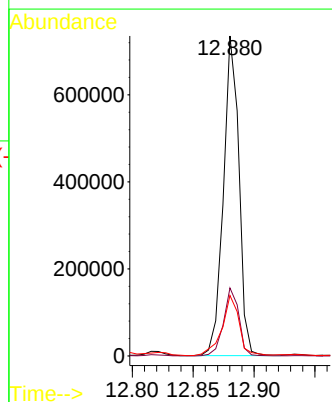
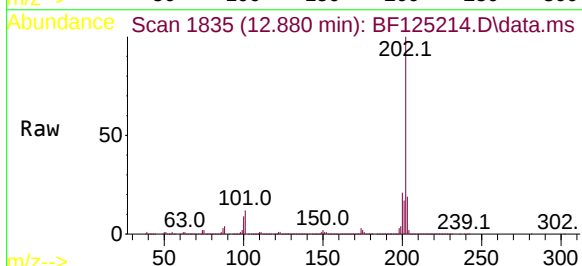
Instrument :
BNA_F
ClientSampleId :
SAMPLE-5-(184.50)

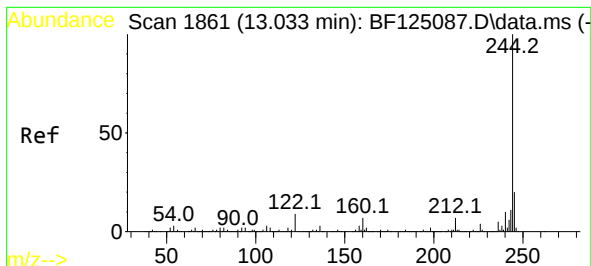
Tgt Ion:240 Resp: 322138
Ion Ratio Lower Upper
240 100
120 9.4 10.8 16.2#
236 25.7 21.6 32.4



#78
Pyrene
Concen: 23.629 ng
RT: 12.880 min Scan# 1835
Delta R.T. -0.006 min
Lab File: BF125214.D
Acq: 25 Aug 2021 17:32

Tgt Ion:202 Resp: 652946
Ion Ratio Lower Upper
202 100
200 21.2 15.3 22.9
203 18.9 13.4 20.0





#79

Terphenyl-d14

Concen: 47.871 ng

RT: 13.021 min Scan# 1859

Delta R.T. 0.000 min

Lab File: BF125214.D

Acq: 25 Aug 2021 17:32

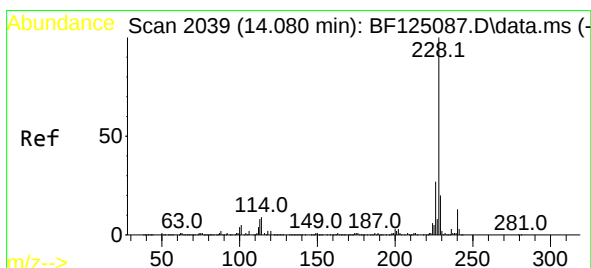
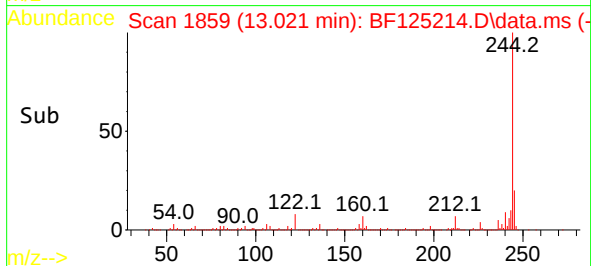
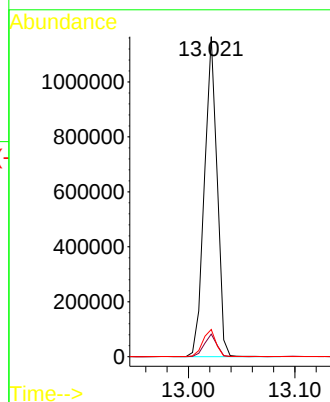
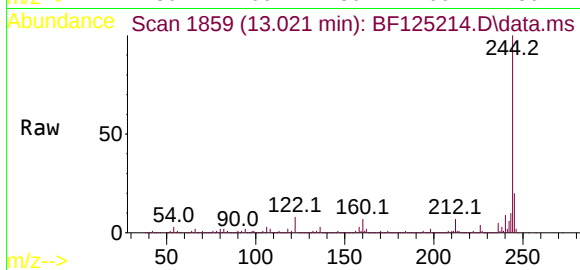
Tgt Ion:244 Resp: 967995

Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

122 8.5 9.0 13.4#



#81

Benzo(a)anthracene

Concen: 28.459 ng

RT: 14.110 min Scan# 2044

Delta R.T. 0.041 min

Lab File: BF125214.D

Acq: 25 Aug 2021 17:32

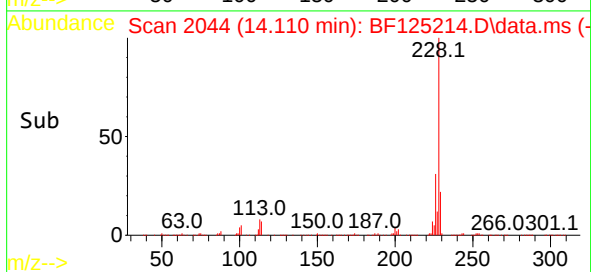
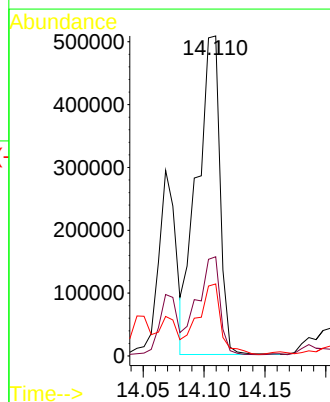
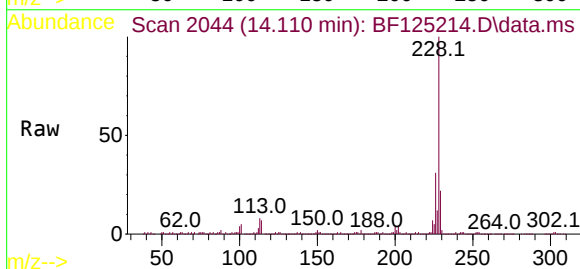
Tgt Ion:228 Resp: 660542

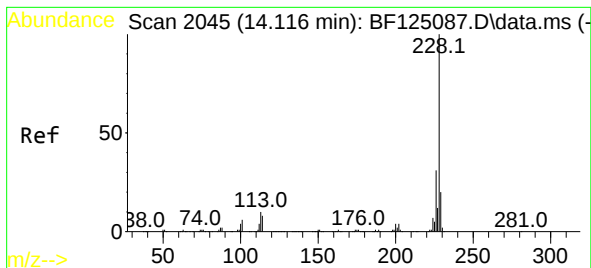
Ion Ratio Lower Upper

228 100

226 31.0 21.6 32.4

229 22.5 15.6 23.4





#83

Chrysene

Concen: 28.777 ng

RT: 14.110 min Scan# 2044

Delta R.T. 0.000 min

Lab File: BF125214.D

Acq: 25 Aug 2021 17:32

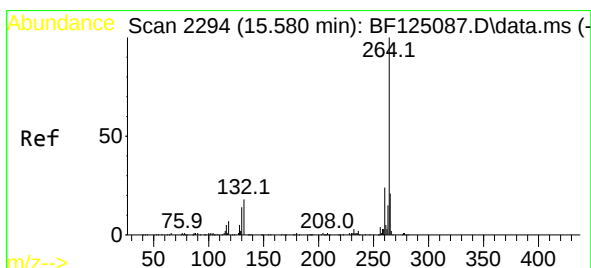
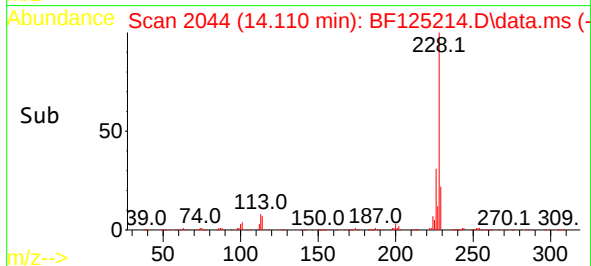
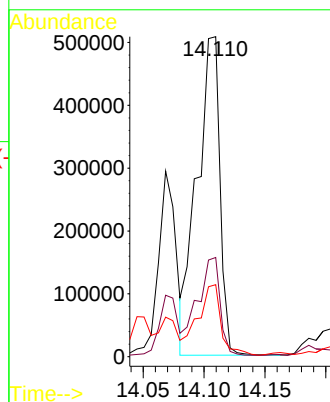
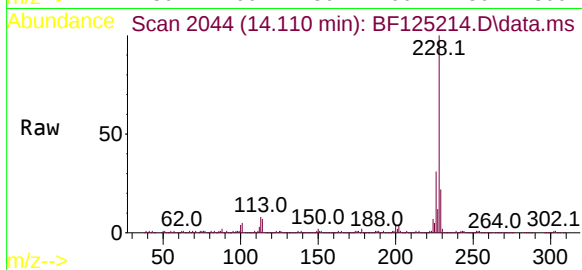
Tgt Ion:	228	Resp:	660542
Ion Ratio	Lower	Upper	
228	100		
226	31.0	22.6	34.0
229	22.5	15.9	23.9

Instrument :

BNA_F

ClientSampleId :

SAMPLE-5-(184.50)



#86

Perylene-d12

Concen: 20.000 ng

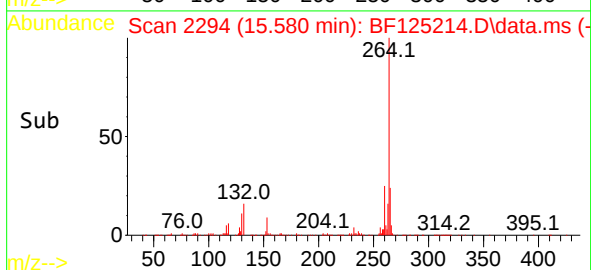
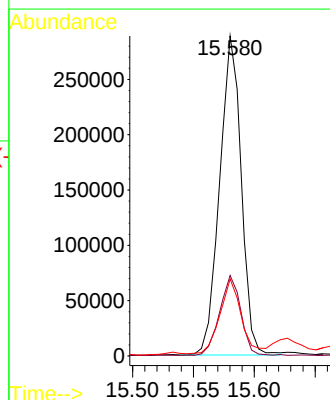
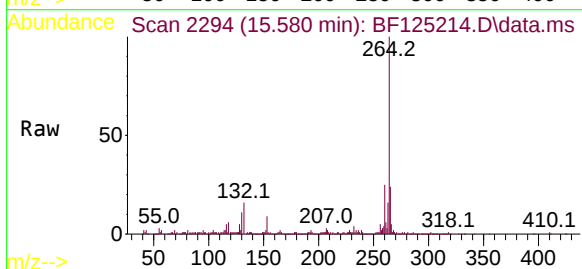
RT: 15.580 min Scan# 2294

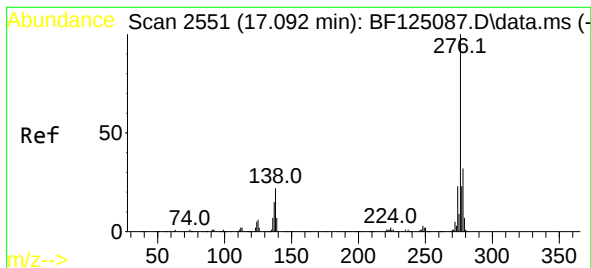
Delta R.T. 0.006 min

Lab File: BF125214.D

Acq: 25 Aug 2021 17:32

Tgt Ion:	264	Resp:	356026
Ion Ratio	Lower	Upper	
264	100		
260	25.1	19.6	29.4
265	24.0	17.2	25.8

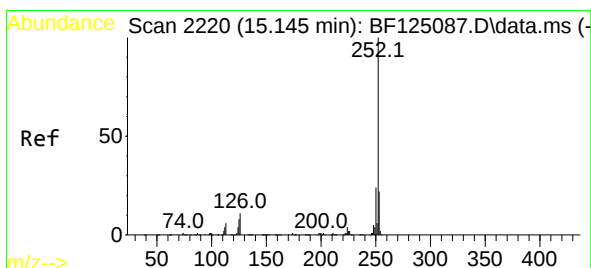
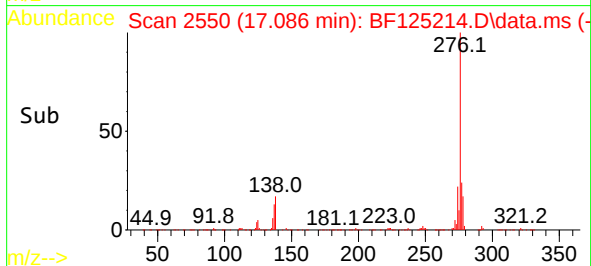
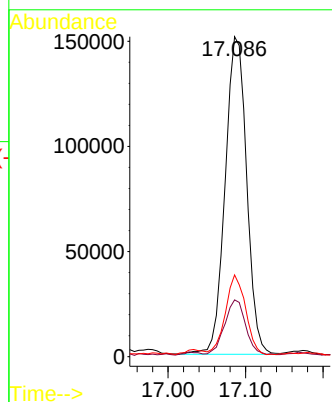
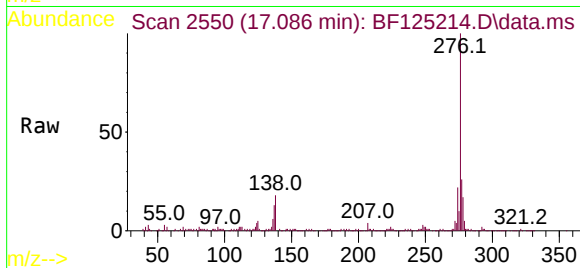




#87
Indeno(1,2,3-cd)pyrene
Concen: 11.393 ng
RT: 17.086 min Scan# 2550
Delta R.T. -0.006 min
Lab File: BF125214.D
Acq: 25 Aug 2021 17:32

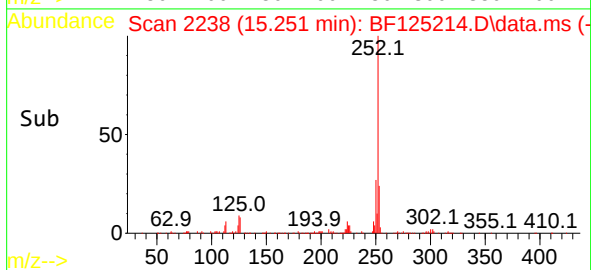
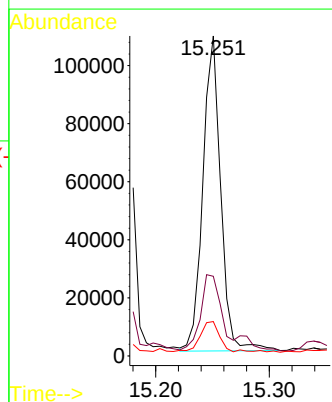
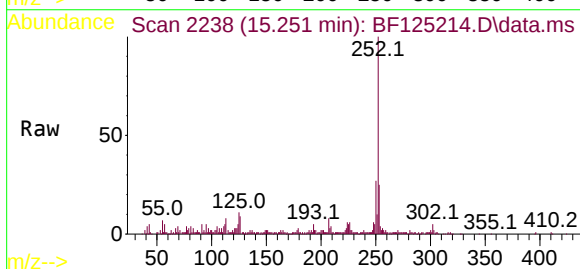
Instrument :
BNA_F
ClientSampleId :
SAMPLE-5-(184.50)

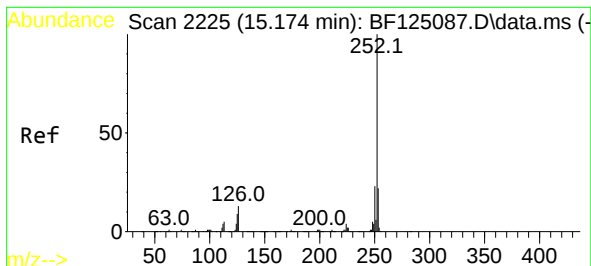
Tgt Ion:276 Resp: 292224
Ion Ratio Lower Upper
276 100
138 17.2 24.1 36.1#
277 23.3 18.8 28.2



#88
Benzo(b)fluoranthene
Concen: 4.555 ng
RT: 15.251 min Scan# 2238
Delta R.T. 0.118 min
Lab File: BF125214.D
Acq: 25 Aug 2021 17:32

Tgt Ion:252 Resp: 118481
Ion Ratio Lower Upper
252 100
253 24.9 16.8 25.2
125 10.8 9.8 14.8





#89

Benzo(k)fluoranthene

Concen: 56.484 ng

RT: 15.145 min Scan# 2220

Delta R.T. -0.024 min

Lab File: BF125214.D

Acq: 25 Aug 2021 17:32

Instrument :

BNA_F

ClientSampleId :

SAMPLE-5-(184.50)

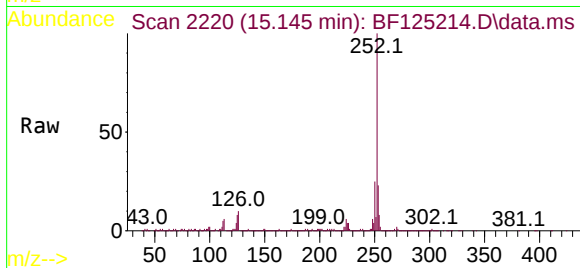
Tgt Ion:252 Resp: 1370958

Ion Ratio Lower Upper

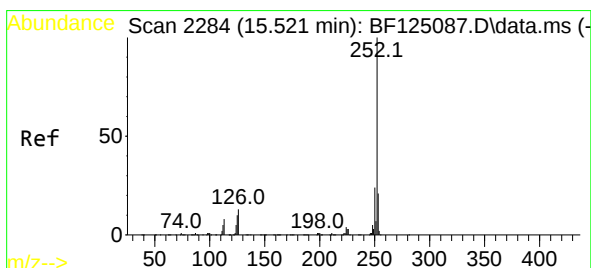
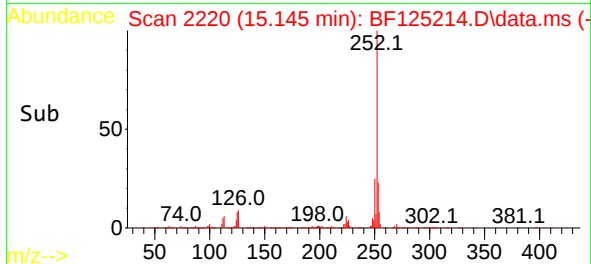
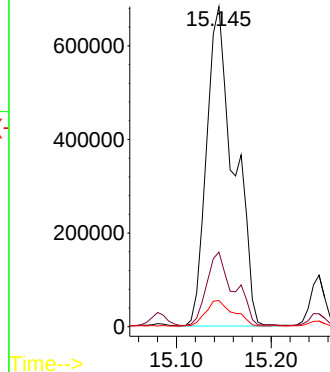
252 100

253 23.3 17.8 26.8

125 8.2 7.2 10.8



Abundance



#90

Benzo(a)pyrene

Concen: 22.282 ng

RT: 15.457 min Scan# 2273

Delta R.T. -0.059 min

Lab File: BF125214.D

Acq: 25 Aug 2021 17:32

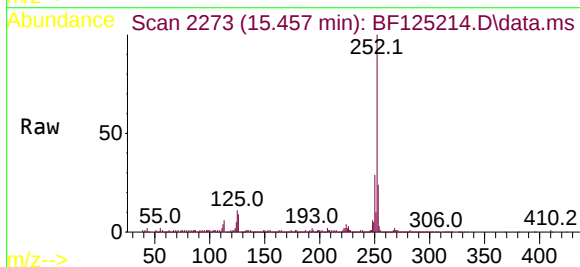
Tgt Ion:252 Resp: 511952

Ion Ratio Lower Upper

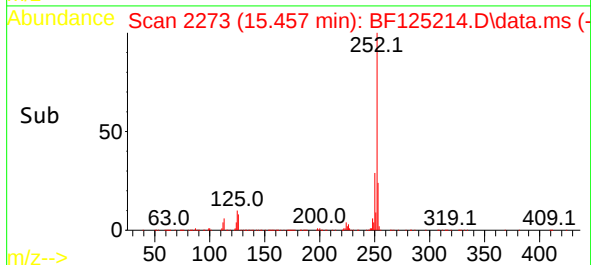
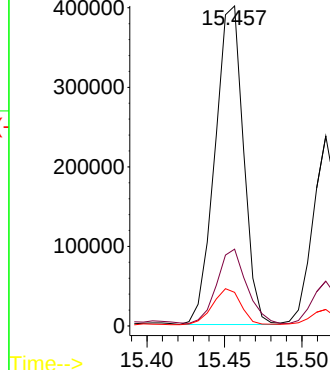
252 100

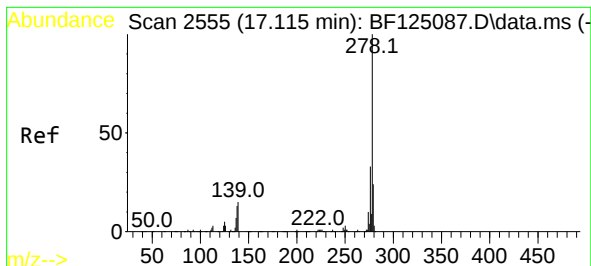
253 24.0 18.4 27.6

125 10.5 9.9 14.9



Abundance

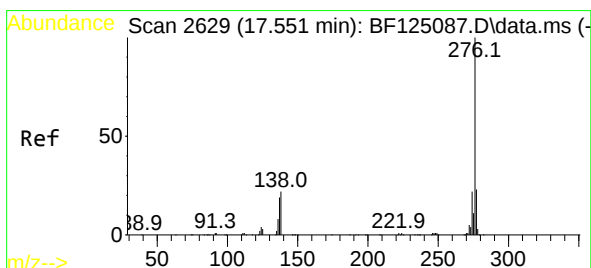
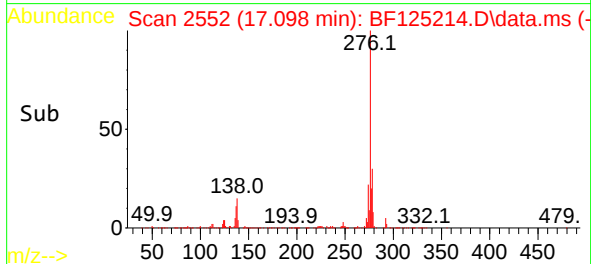
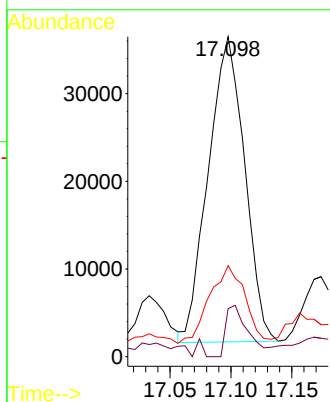
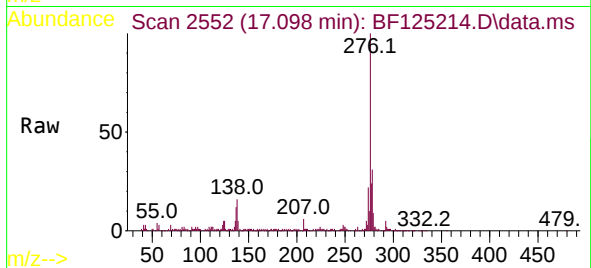




#91
Dibenzo(a,h)anthracene
Concen: 3.256 ng
RT: 17.098 min Scan# 2552
Delta R.T. -0.012 min
Lab File: BF125214.D
Acq: 25 Aug 2021 17:32

Instrument :
BNA_F
ClientSampleId :
SAMPLE-5-(184.50)

Tgt Ion:278 Resp: 72187
Ion Ratio Lower Upper
278 100
139 15.0 14.9 22.3
279 28.4 19.7 29.5



#92
Benzo(g,h,i)perylene
Concen: 11.223 ng
RT: 17.545 min Scan# 2628
Delta R.T. -0.006 min
Lab File: BF125214.D
Acq: 25 Aug 2021 17:32

Tgt Ion:276 Resp: 239912
Ion Ratio Lower Upper
276 100
277 23.2 22.0 33.0
138 18.3 22.2 33.4#

