

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082421\
 Data File : BF125196.D
 Acq On : 24 Aug 2021 21:10
 Operator : JU/CG
 Sample : M3507-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 130-B

Quant Time: Aug 25 04:38:03 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)

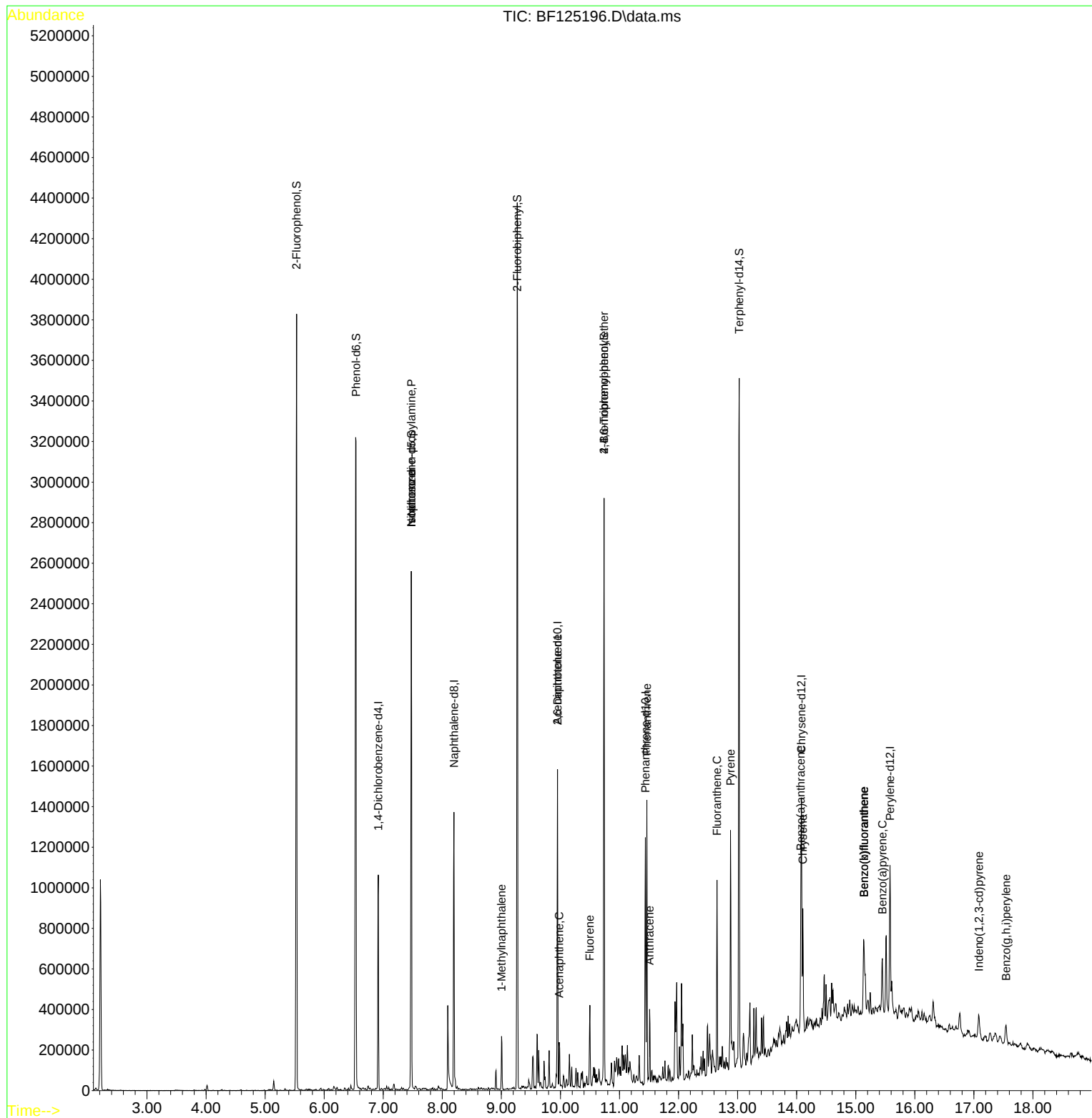
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	144431	20.000	ng	0.00
21) Naphthalene-d8	8.198	136	551102	20.000	ng	# 0.00
39) Acenaphthene-d10	9.951	164	280642	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	425996	20.000	ng	0.00
76) Chrysene-d12	14.080	240	342370	20.000	ng	# 0.00
86) Perylene-d12	15.580	264	336240	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	947075	99.251	ng	0.00
7) Phenol-d6	6.539	99	1172716	95.025	ng	0.00
23) Nitrobenzene-d5	7.475	82	792815	72.425	ng	0.00
42) 2,4,6-Tribromophenol	10.739	330	312697	111.621	ng	0.00
45) 2-Fluorobiphenyl	9.269	172	1373232	68.198	ng	0.00
79) Terphenyl-d14	13.027	244	1211569	56.376	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.475	70	109387	14.736	ng	# 59
25) Isophorone	7.475	82	792756	37.540	ng	# 59
38) 1-Methylnaphthalene	9.004	142	65597	3.766	ng	95
51) 2,6-Dinitrotoluene	9.951	165	38020	9.016	ng	# 28
52) Acenaphthene	9.980	154	39970	2.406	ng	98
58) Fluorene	10.498	166	101030	5.717	ng	100
67) 4-Bromophenyl-phenylether	10.739	248	19229	3.759	ng	# 1
71) Phenanthrene	11.463	178	447011	19.044	ng	97
72) Anthracene	11.510	178	134993	5.835	ng	100
75) Fluoranthene	12.651	202	317546	13.634	ng	98
78) Pyrene	12.880	202	457736	15.586	ng	96
81) Benzo(a)anthracene	14.068	228	218020	8.838	ng	93
83) Chrysene	14.104	228	227898	9.342	ng	96
87) Indeno(1,2,3-cd)pyrene	17.086	276	77437	3.197	ng	# 89
88) Benzo(b)fluoranthene	15.139	252	299210	12.180	ng	96
89) Benzo(k)fluoranthene	15.139	252	299210	13.053	ng	98
90) Benzo(a)pyrene	15.451	252	130224	6.001	ng	97
92) Benzo(g,h,i)perylene	17.545	276	79111	3.918	ng	# 90

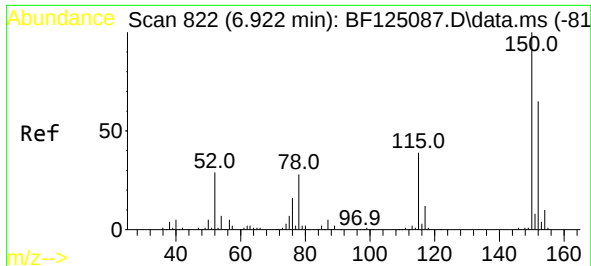
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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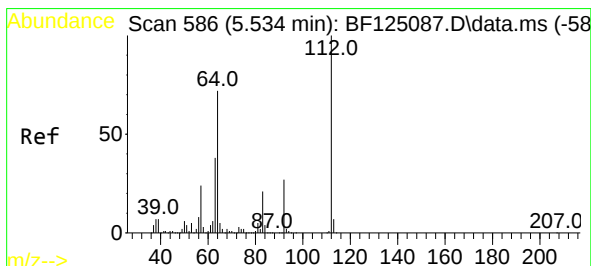
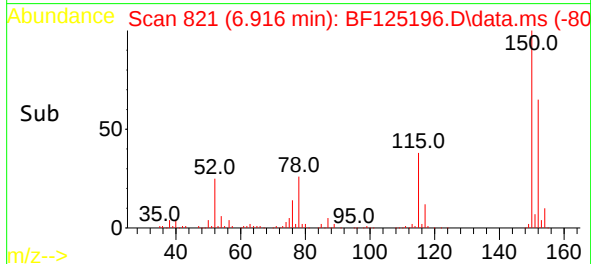
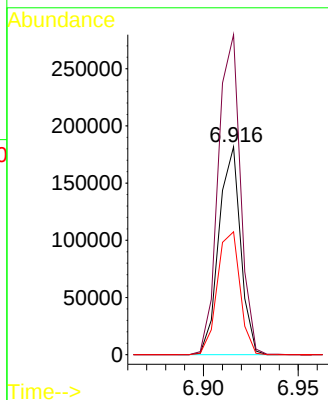
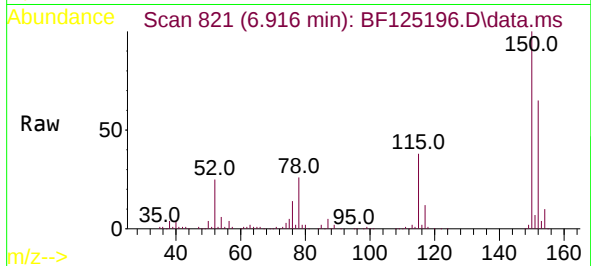




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.916 min Scan# 821
Delta R.T. -0.000 min
Lab File: BF125196.D
Acq: 24 Aug 2021 21:10

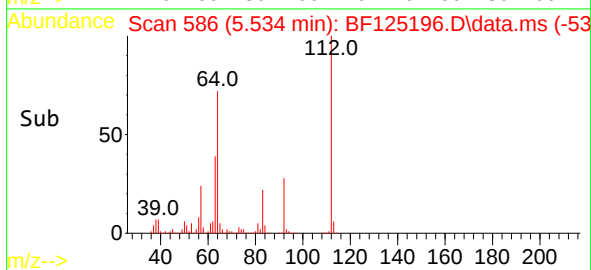
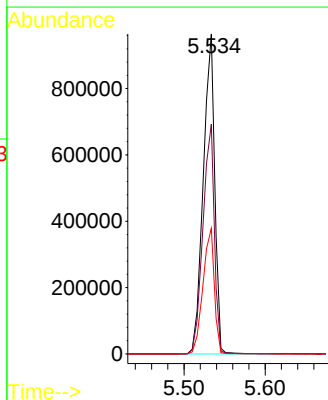
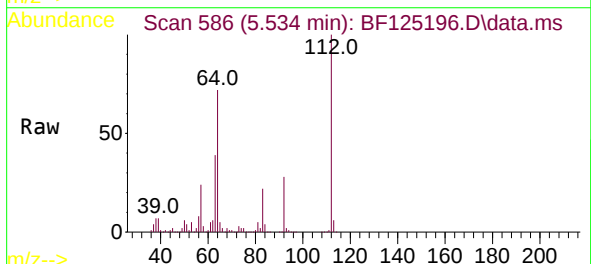
Instrument :
BNA_F
ClientSampled :
130-B

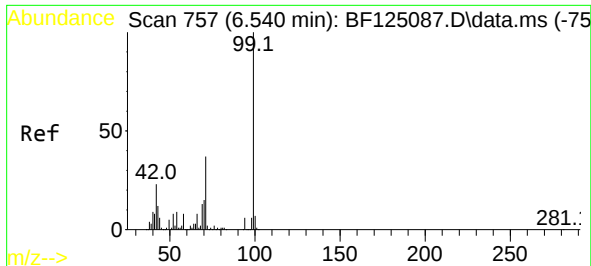
Tgt Ion:152 Resp: 144431
Ion Ratio Lower Upper
152 100
150 154.0 117.6 176.4
115 59.2 47.1 70.7



#5
2-Fluorophenol
Concen: 99.251 ng
RT: 5.534 min Scan# 586
Delta R.T. 0.006 min
Lab File: BF125196.D
Acq: 24 Aug 2021 21:10

Tgt Ion:112 Resp: 947075
Ion Ratio Lower Upper
112 100
64 71.8 44.2 66.2#
63 39.3 26.2 39.2#

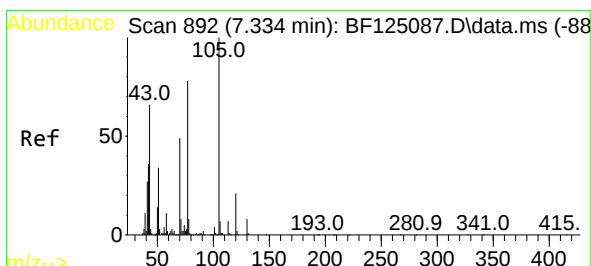
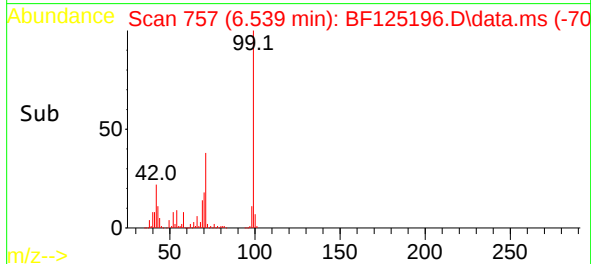
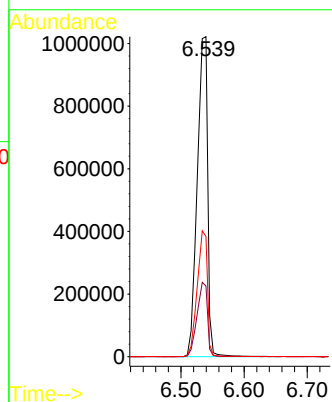
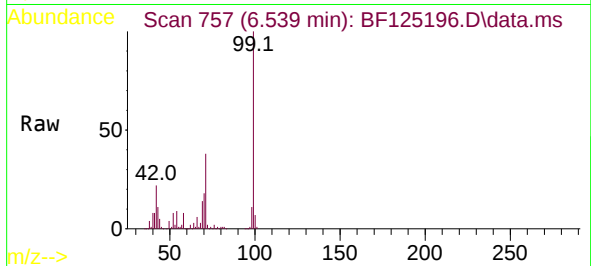




#7
Phenol-d6
Concen: 95.025 ng
RT: 6.539 min Scan# 757
Delta R.T. -0.000 min
Lab File: BF125196.D
Acq: 24 Aug 2021 21:10

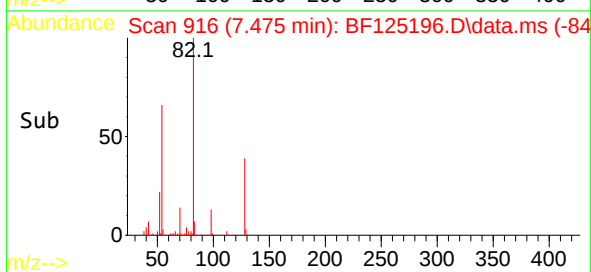
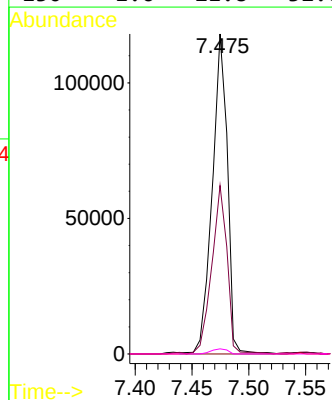
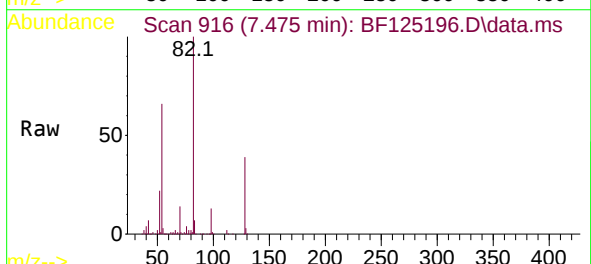
Instrument :
BNA_F
ClientSampleId :
130-B

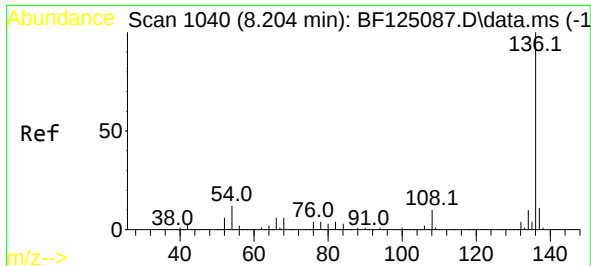
Tgt Ion: 99 Resp: 1172716
Ion Ratio Lower Upper
99 100
42 22.1 23.5 35.3#
71 37.6 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 14.736 ng
RT: 7.475 min Scan# 916
Delta R.T. 0.147 min
Lab File: BF125196.D
Acq: 24 Aug 2021 21:10

Tgt Ion: 70 Resp: 109387
Ion Ratio Lower Upper
70 100
42 52.7 72.2 108.2#
101 0.0 7.8 11.8#
130 1.6 21.8 32.6#



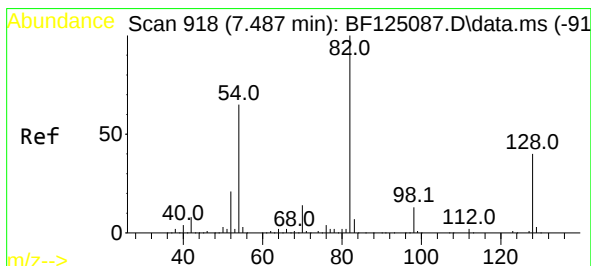
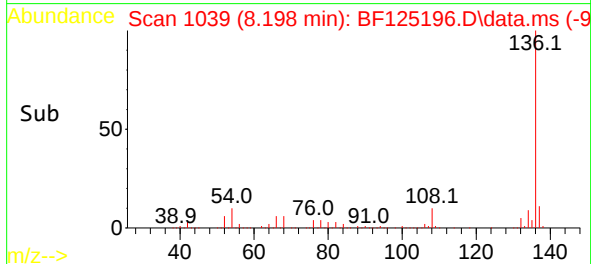
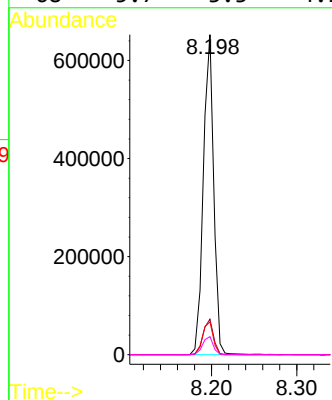
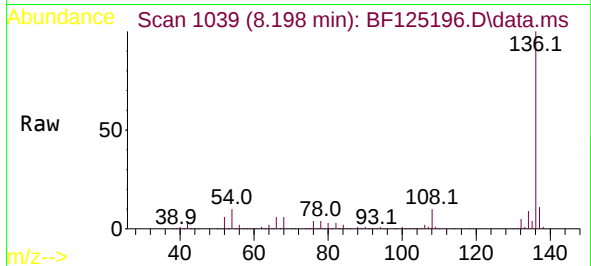


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.198 min Scan# 1039
Delta R.T. -0.000 min
Lab File: BF125196.D
Acq: 24 Aug 2021 21:10

Instrument :
BNA_F
ClientSampled :
130-B

Tgt Ion:136 Resp: 551102

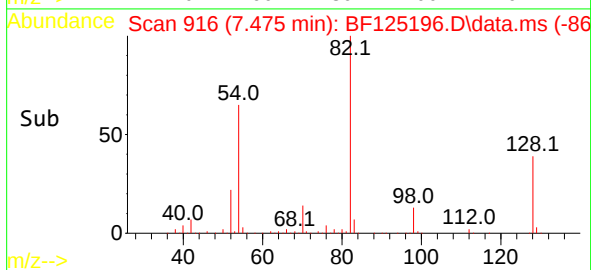
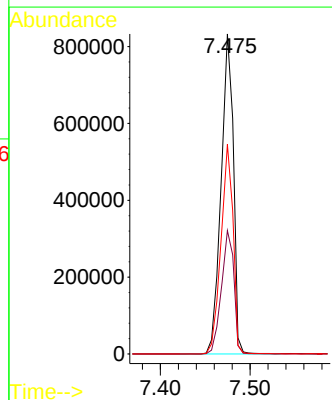
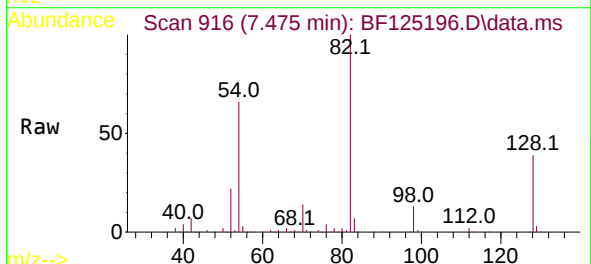
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.8	14.6
54	10.3	6.4	9.6#
68	5.7	3.3	4.9#

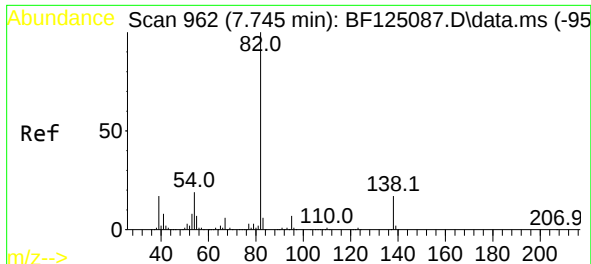


#23
Nitrobenzene-d5
Concen: 72.425 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.006 min
Lab File: BF125196.D
Acq: 24 Aug 2021 21:10

Tgt Ion: 82 Resp: 792815

Ion	Ratio	Lower	Upper
82	100		
128	38.5	40.6	60.8#
54	65.5	49.6	74.4

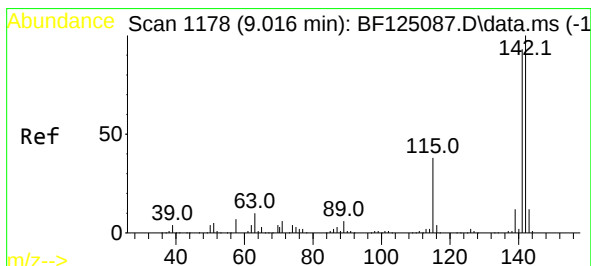
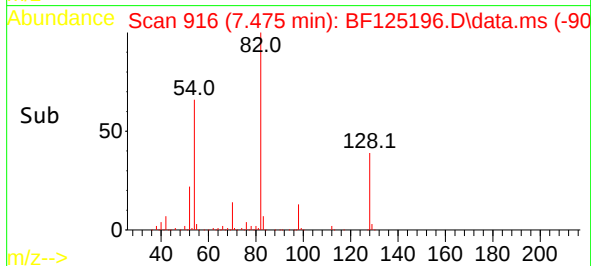
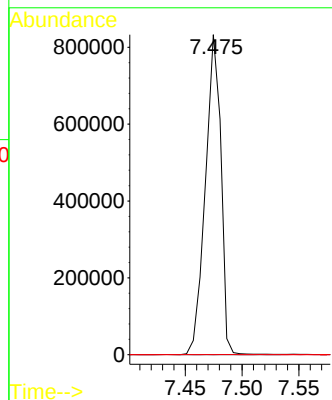
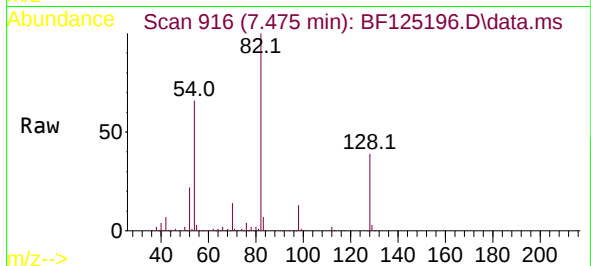




#25
Isophorone
Concen: 37.540 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.259 min
Lab File: BF125196.D
Acq: 24 Aug 2021 21:10

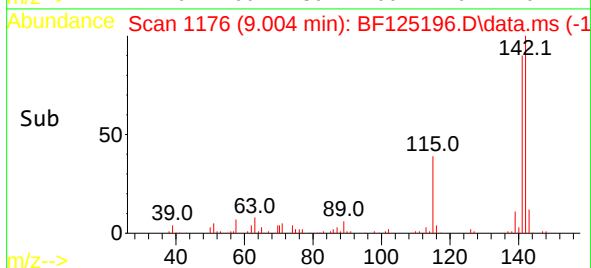
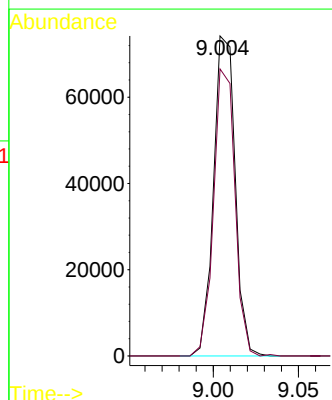
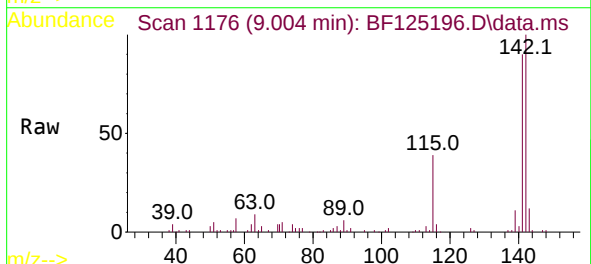
Instrument :
BNA_F
ClientSampleId :
130-B

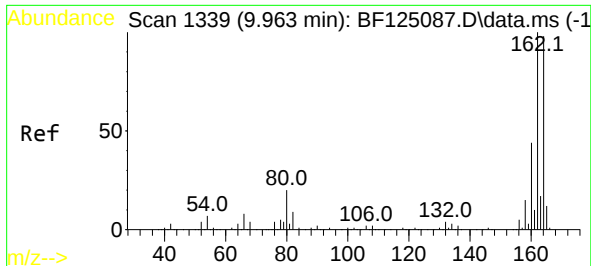
Tgt Ion: 82 Resp: 792756
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#38
1-Methylnaphthalene
Concen: 3.766 ng
RT: 9.004 min Scan# 1176
Delta R.T. -0.006 min
Lab File: BF125196.D
Acq: 24 Aug 2021 21:10

Tgt Ion: 142 Resp: 65597
Ion Ratio Lower Upper
142 100
141 89.7 76.0 114.0

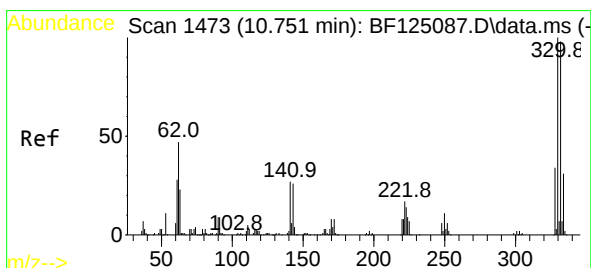
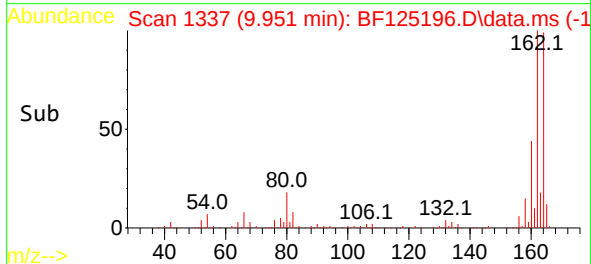
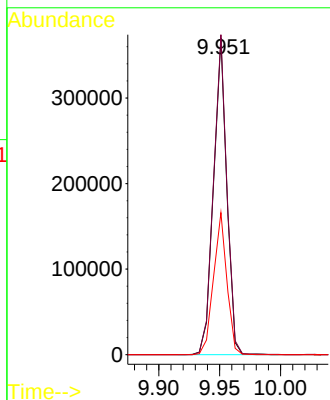
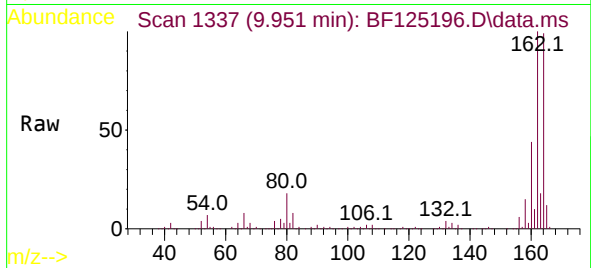




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.951 min Scan# 1337
Delta R.T. -0.000 min
Lab File: BF125196.D
Acq: 24 Aug 2021 21:10

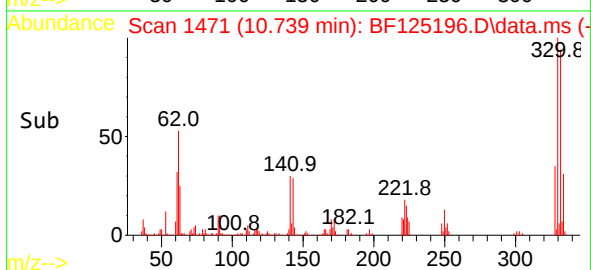
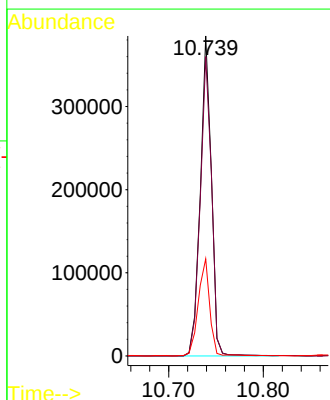
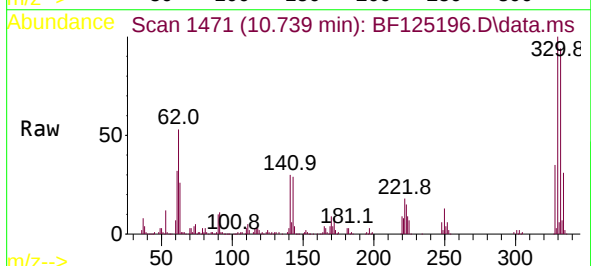
Instrument :
BNA_F
ClientSampled :
130-B

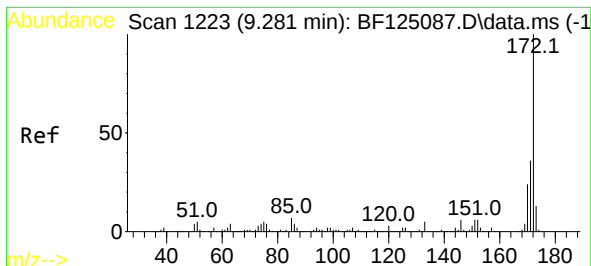
Tgt Ion:164 Resp: 280642
Ion Ratio Lower Upper
164 100
162 101.0 81.3 121.9
160 44.9 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 111.621 ng
RT: 10.739 min Scan# 1471
Delta R.T. -0.000 min
Lab File: BF125196.D
Acq: 24 Aug 2021 21:10

Tgt Ion:330 Resp: 312697
Ion Ratio Lower Upper
330 100
332 96.3 76.2 114.4
141 31.8 44.6 66.8#

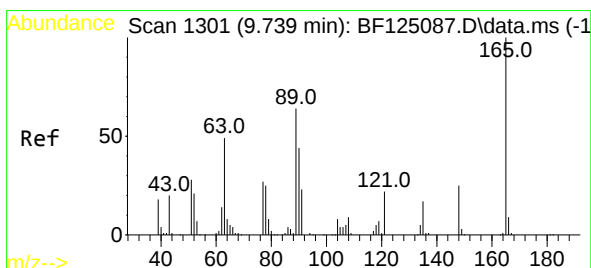
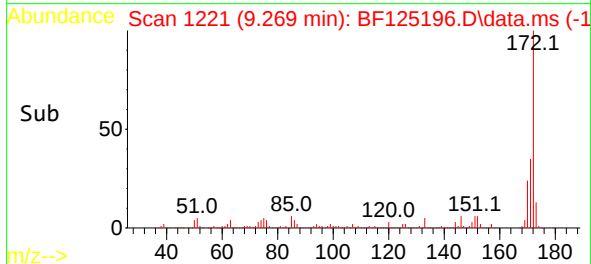
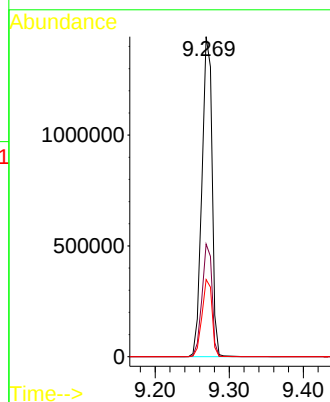
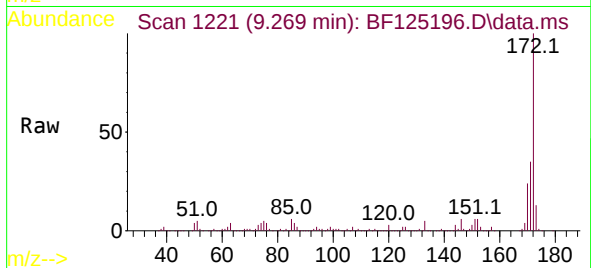




#45
2-Fluorobiphenyl
Concen: 68.198 ng
RT: 9.269 min Scan# 1221
Delta R.T. -0.006 min
Lab File: BF125196.D
Acq: 24 Aug 2021 21:10

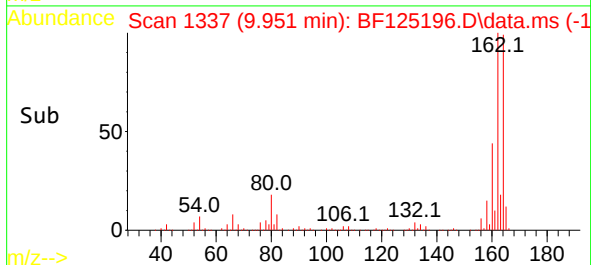
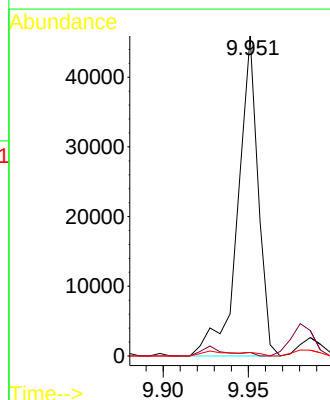
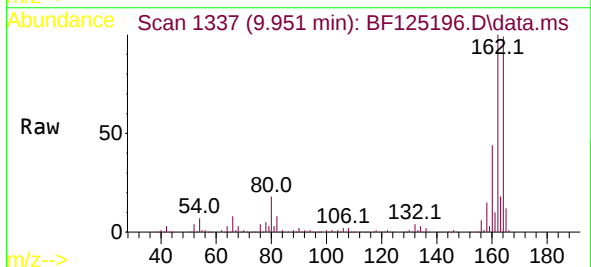
Instrument :
BNA_F
ClientSampled :
130-B

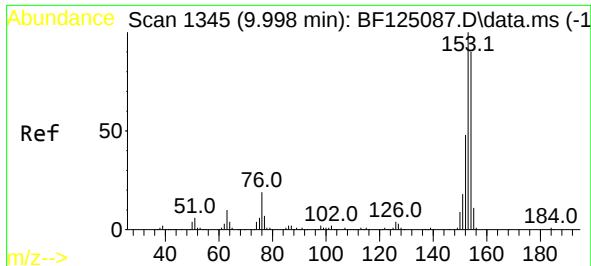
Tgt Ion:172 Resp: 1373232
Ion Ratio Lower Upper
172 100
171 35.2 26.5 39.7
170 24.1 18.8 28.2



#51
2,6-Dinitrotoluene
Concen: 9.016 ng
RT: 9.951 min Scan# 1337
Delta R.T. 0.218 min
Lab File: BF125196.D
Acq: 24 Aug 2021 21:10

Tgt Ion:165 Resp: 38020
Ion Ratio Lower Upper
165 100
63 1.1 42.6 63.8#
89 1.1 40.6 60.8#

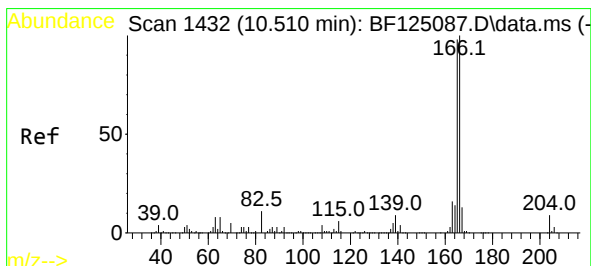
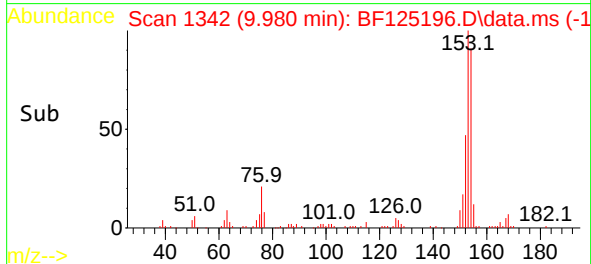
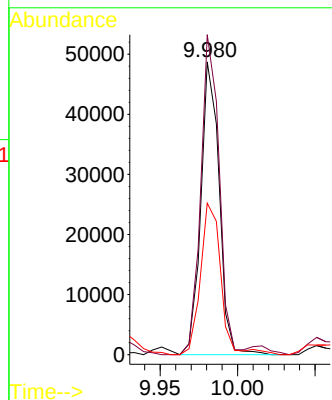
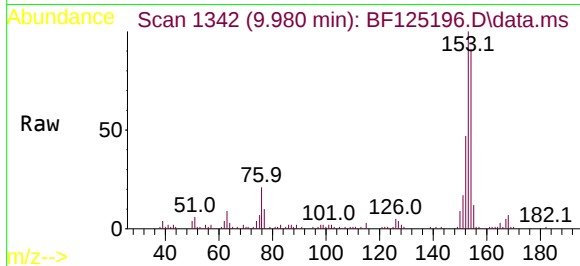




#52
Acenaphthene
Concen: 2.406 ng
RT: 9.980 min Scan# 1342
Delta R.T. -0.006 min
Lab File: BF125196.D
Acq: 24 Aug 2021 21:10

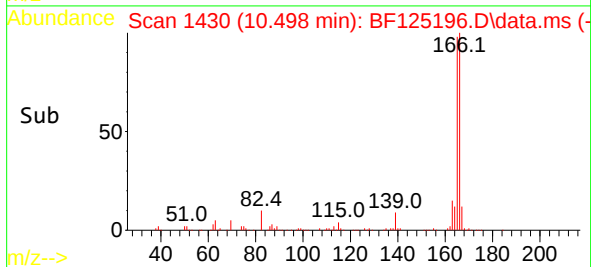
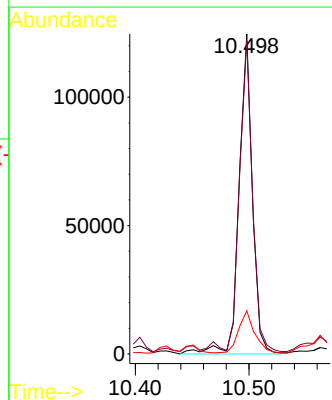
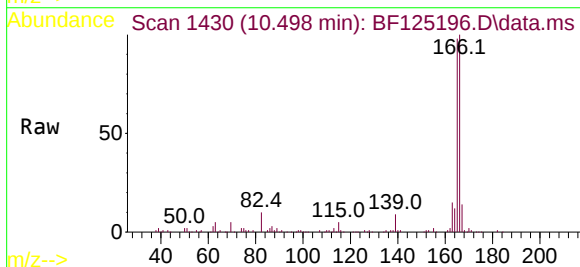
Instrument :
BNA_F
ClientSampled :
130-B

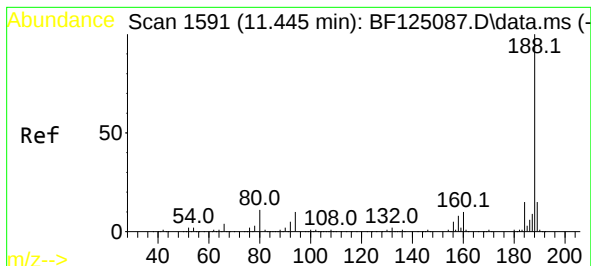
Tgt Ion:154 Resp: 39970
Ion Ratio Lower Upper
154 100
153 109.3 89.4 134.2
152 51.7 40.5 60.7



#58
Fluorene
Concen: 5.717 ng
RT: 10.498 min Scan# 1430
Delta R.T. -0.006 min
Lab File: BF125196.D
Acq: 24 Aug 2021 21:10

Tgt Ion:166 Resp: 101030
Ion Ratio Lower Upper
166 100
165 98.0 78.1 117.1
167 13.5 11.1 16.7

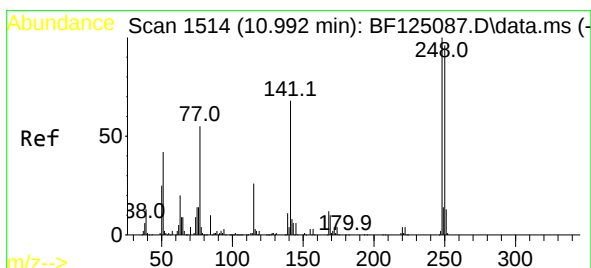
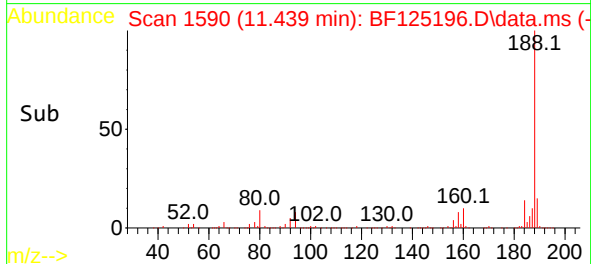
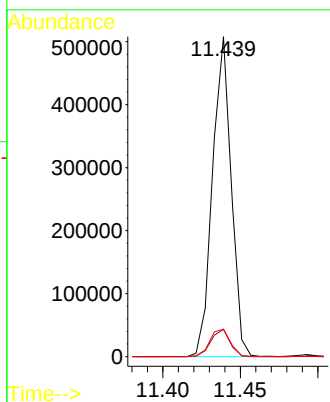
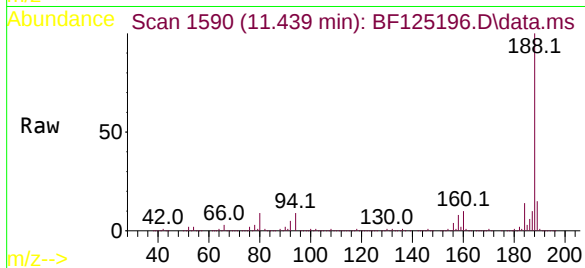




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.439 min Scan# 1590
Delta R.T. -0.000 min
Lab File: BF125196.D
Acq: 24 Aug 2021 21:10

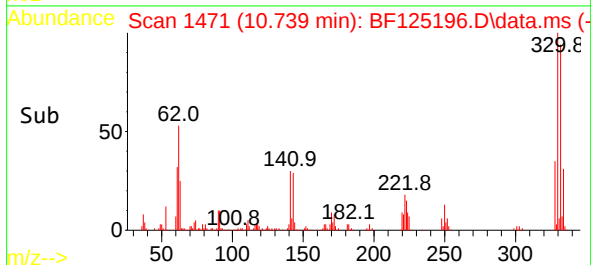
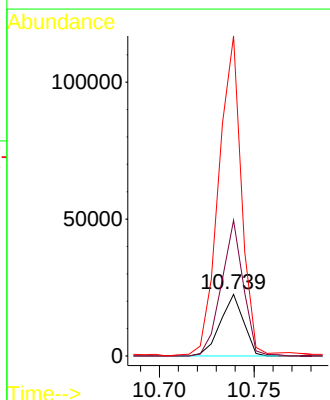
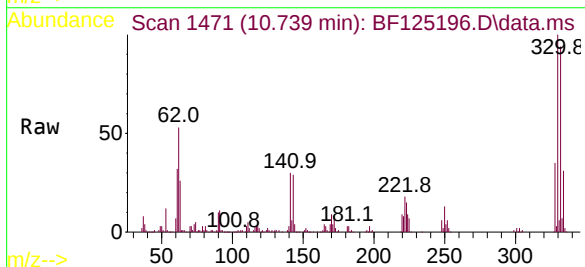
Instrument :
BNA_F
ClientSampled :
130-B

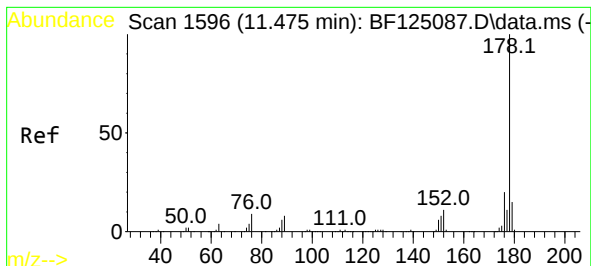
Tgt Ion:188 Resp: 425996
Ion Ratio Lower Upper
188 100
94 8.6 6.7 10.1
80 8.6 7.5 11.3



#67
4-Bromophenyl-phenylether
Concen: 3.759 ng
RT: 10.739 min Scan# 1471
Delta R.T. -0.241 min
Lab File: BF125196.D
Acq: 24 Aug 2021 21:10

Tgt Ion:248 Resp: 19229
Ion Ratio Lower Upper
248 100
250 220.0 74.2 111.4#
141 518.9 60.4 90.6#

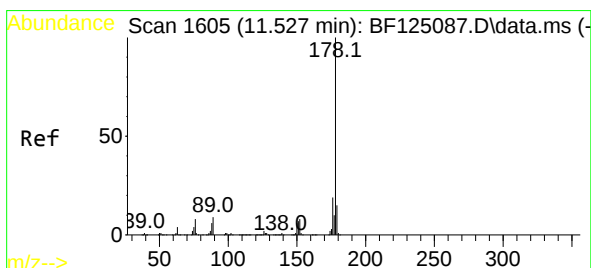
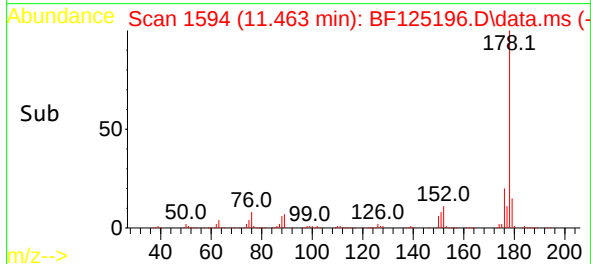
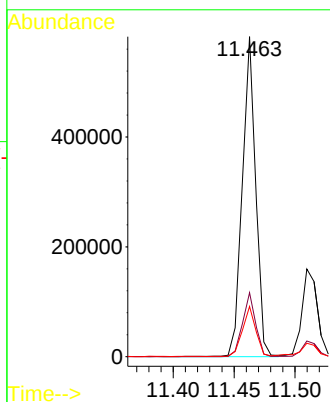
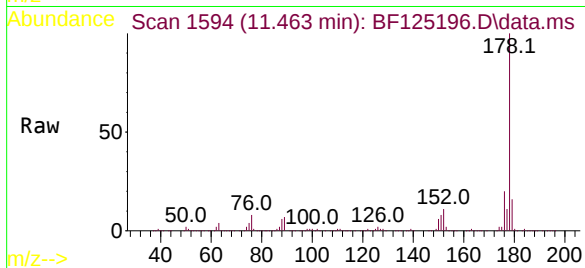




#71
Phenanthrene
Concen: 19.044 ng
RT: 11.463 min Scan# 1594
Delta R.T. -0.000 min
Lab File: BF125196.D
Acq: 24 Aug 2021 21:10

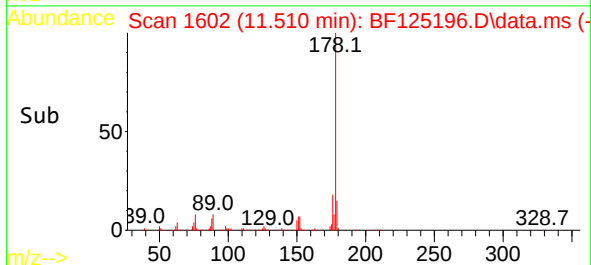
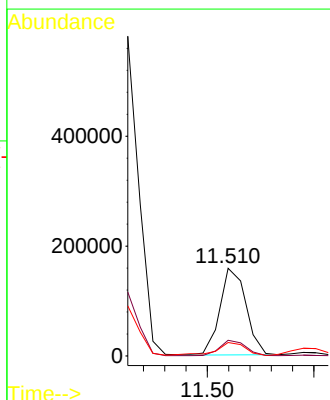
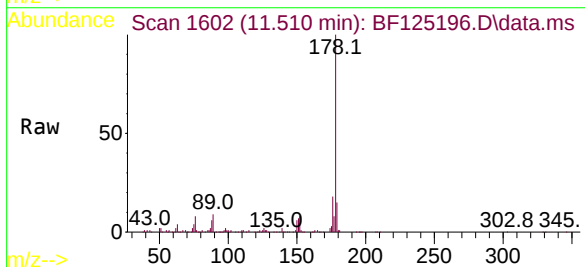
Instrument :
BNA_F
ClientSampleId :
130-B

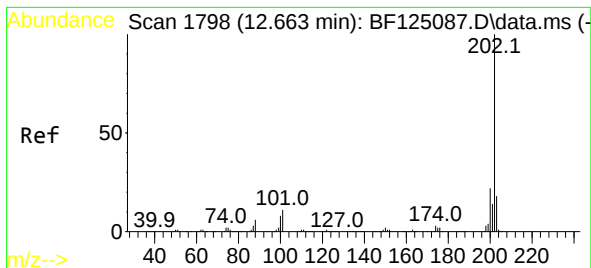
Tgt Ion:178 Resp: 447011
Ion Ratio Lower Upper
178 100
176 20.0 14.7 22.1
179 15.7 11.5 17.3



#72
Anthracene
Concen: 5.835 ng
RT: 11.510 min Scan# 1602
Delta R.T. -0.006 min
Lab File: BF125196.D
Acq: 24 Aug 2021 21:10

Tgt Ion:178 Resp: 134993
Ion Ratio Lower Upper
178 100
176 17.9 14.3 21.5
179 15.4 12.2 18.4

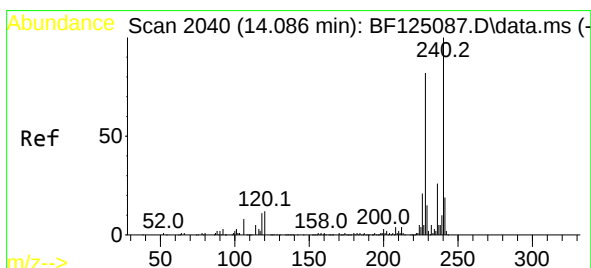
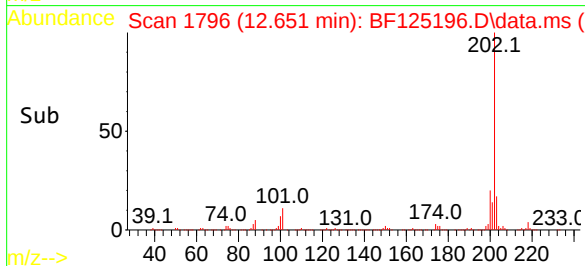
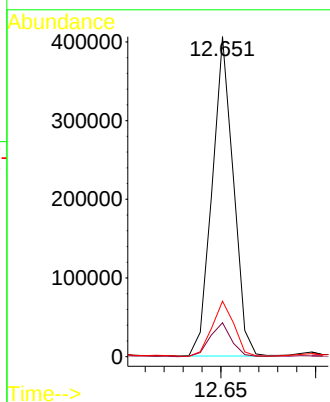
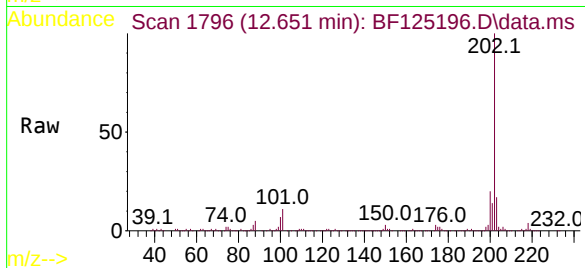




#75
Fluoranthene
Concen: 13.634 ng
RT: 12.651 min Scan# 1796
Delta R.T. -0.000 min
Lab File: BF125196.D
Acq: 24 Aug 2021 21:10

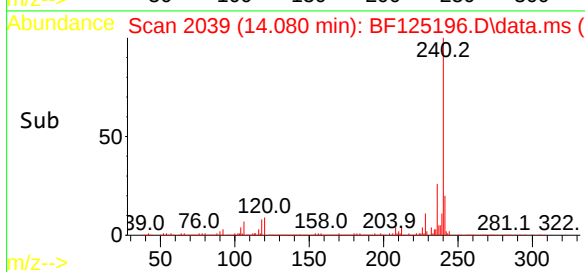
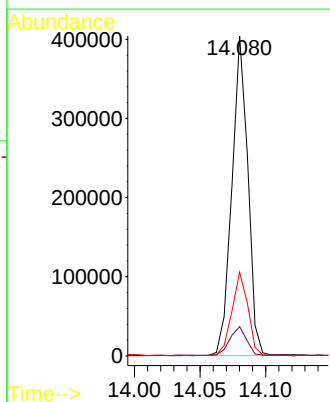
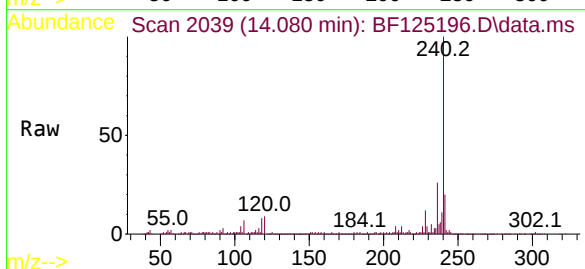
Instrument :
BNA_F
ClientSampleId :
130-B

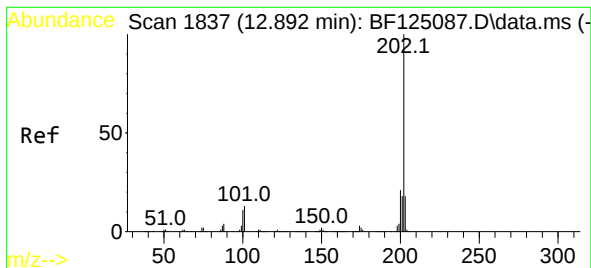
Tgt Ion:202 Resp: 317546
Ion Ratio Lower Upper
202 100
101 10.6 0.0 30.7
203 17.4 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2039
Delta R.T. -0.000 min
Lab File: BF125196.D
Acq: 24 Aug 2021 21:10

Tgt Ion:240 Resp: 342370
Ion Ratio Lower Upper
240 100
120 9.1 10.8 16.2#
236 26.2 21.6 32.4





#78

Pyrene

Concen: 15.586 ng

RT: 12.880 min Scan# 1835

Delta R.T. -0.006 min

Lab File: BF125196.D

Acq: 24 Aug 2021 21:10

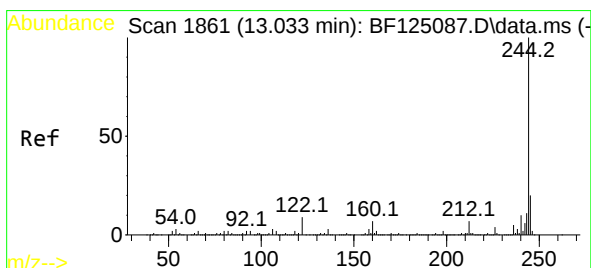
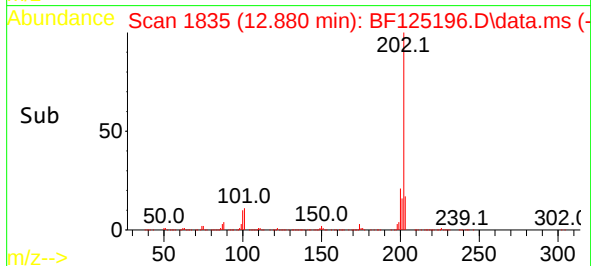
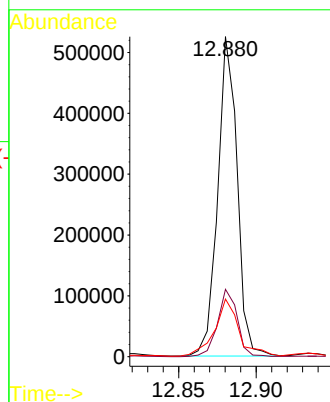
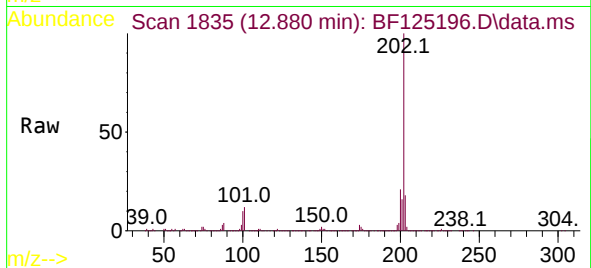
Instrument :

BNA_F

ClientSampleId :

130-B

Tgt Ion:202	Resp: 457736
Ion Ratio	Lower Upper
202 100	
200 21.1	15.3 22.9
203 18.0	13.4 20.0



#79

Terphenyl-d14

Concen: 56.376 ng

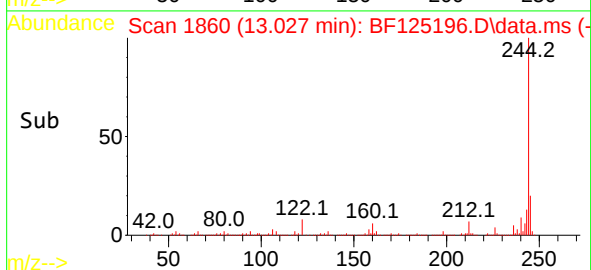
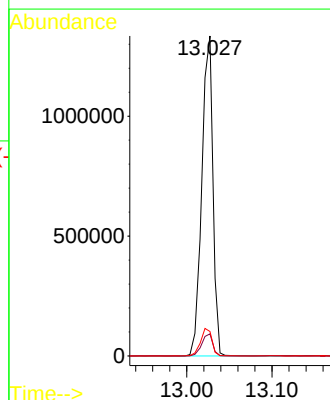
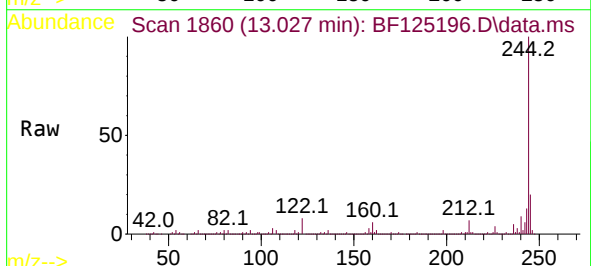
RT: 13.027 min Scan# 1860

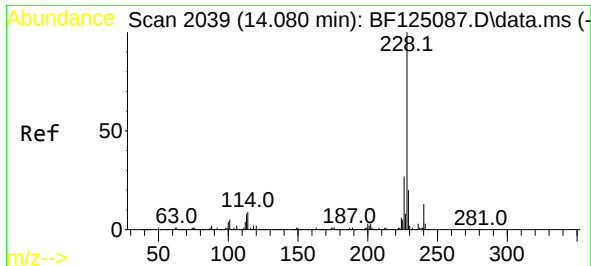
Delta R.T. 0.006 min

Lab File: BF125196.D

Acq: 24 Aug 2021 21:10

Tgt Ion:244	Resp: 1211569
Ion Ratio	Lower Upper
244 100	
212 6.9	5.9 8.9
122 7.7	9.0 13.4

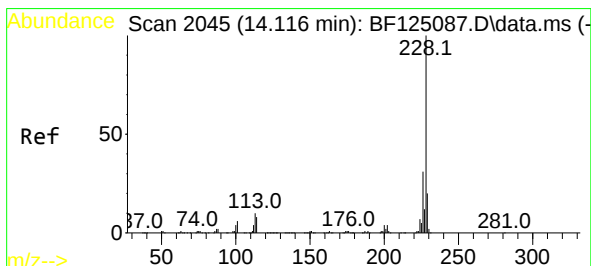
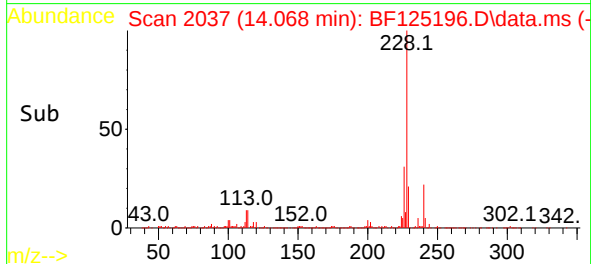
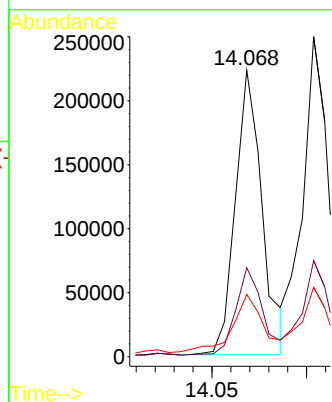
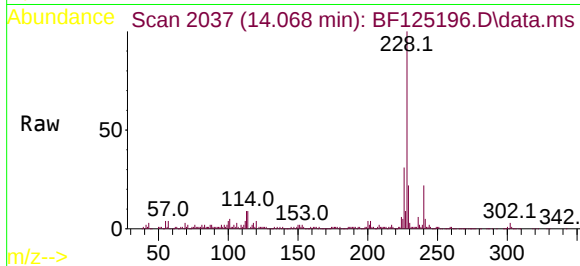




#81
Benzo(a)anthracene
Concen: 8.838 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.000 min
Lab File: BF125196.D
Acq: 24 Aug 2021 21:10

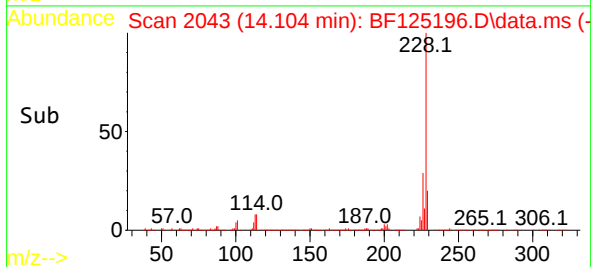
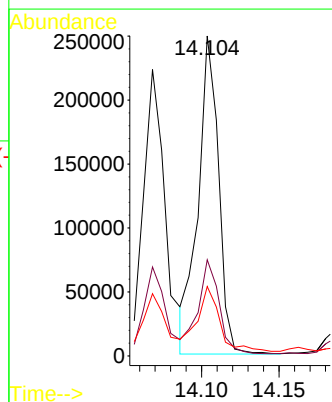
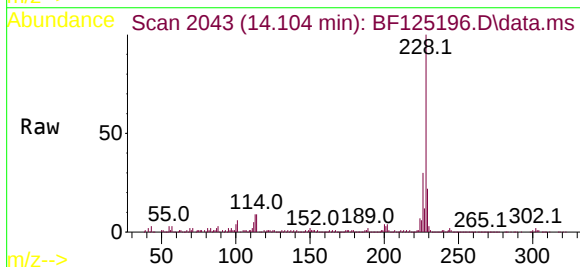
Instrument :
BNA_F
ClientSampled :
130-B

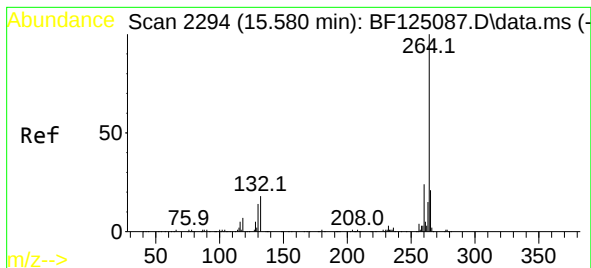
Tgt Ion:228 Resp: 218020
Ion Ratio Lower Upper
228 100
226 31.1 21.6 32.4
229 21.7 15.6 23.4



#83
Chrysene
Concen: 9.342 ng
RT: 14.104 min Scan# 2043
Delta R.T. -0.006 min
Lab File: BF125196.D
Acq: 24 Aug 2021 21:10

Tgt Ion:228 Resp: 227898
Ion Ratio Lower Upper
228 100
226 30.1 22.6 34.0
229 21.7 15.9 23.9

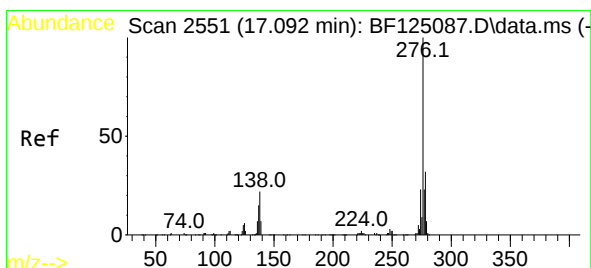
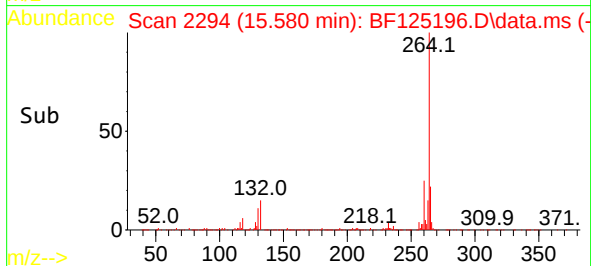
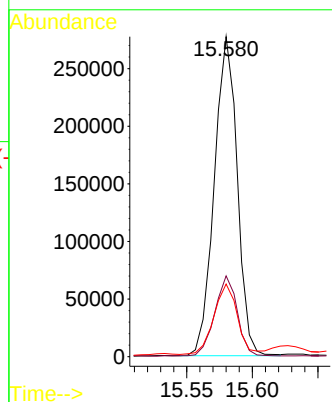
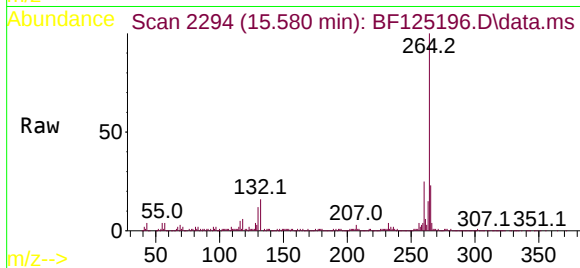




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2294
Delta R.T. 0.006 min
Lab File: BF125196.D
Acq: 24 Aug 2021 21:10

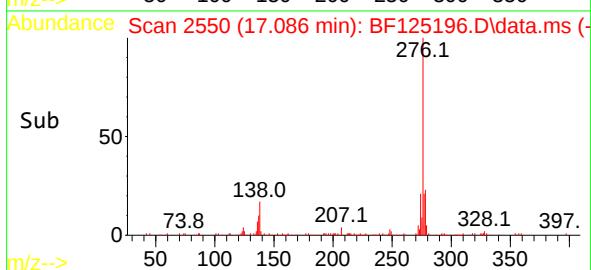
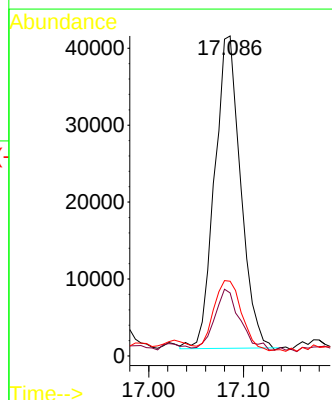
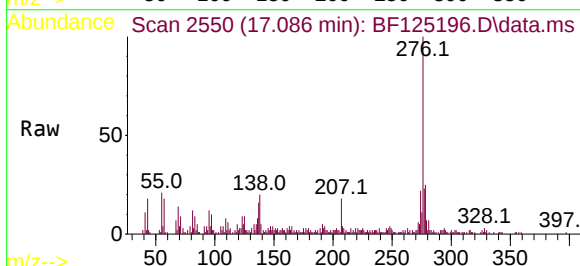
Instrument :
BNA_F
ClientSampled :
130-B

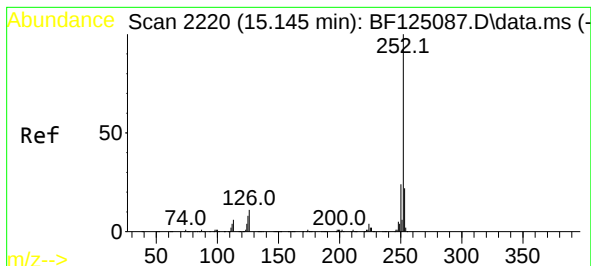
Tgt Ion:264 Resp: 336240
Ion Ratio Lower Upper
264 100
260 25.3 19.6 29.4
265 22.7 17.2 25.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.197 ng
RT: 17.086 min Scan# 2550
Delta R.T. -0.006 min
Lab File: BF125196.D
Acq: 24 Aug 2021 21:10

Tgt Ion:276 Resp: 77437
Ion Ratio Lower Upper
276 100
138 19.3 24.1 36.1#
277 23.7 18.8 28.2





#88

Benzo(b)fluoranthene

Concen: 12.180 ng

RT: 15.139 min Scan# 2219

Delta R.T. 0.006 min

Lab File: BF125196.D

Acq: 24 Aug 2021 21:10

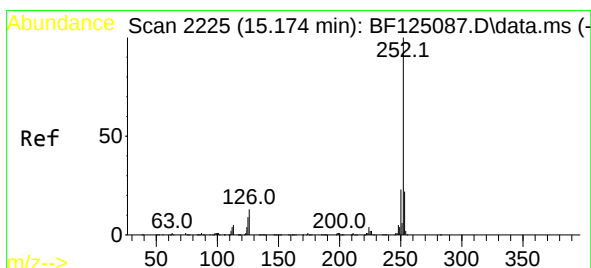
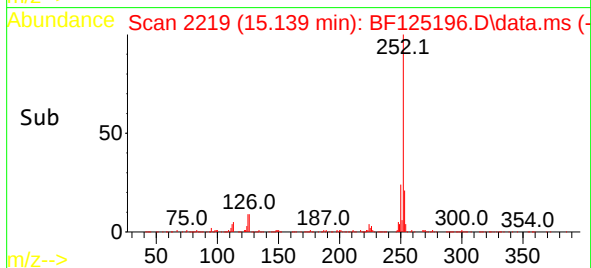
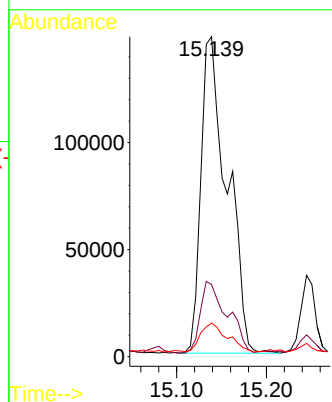
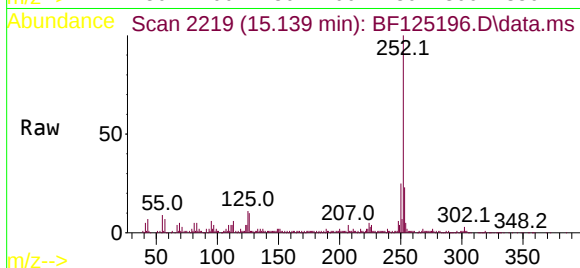
Tgt Ion:	252	Resp:	299210
Ion	Ratio	Lower	Upper
252	100		
253	22.6	16.8	25.2
125	10.5	9.8	14.8

Instrument :

BNA_F

ClientSampleId :

130-B



#89

Benzo(k)fluoranthene

Concen: 13.053 ng

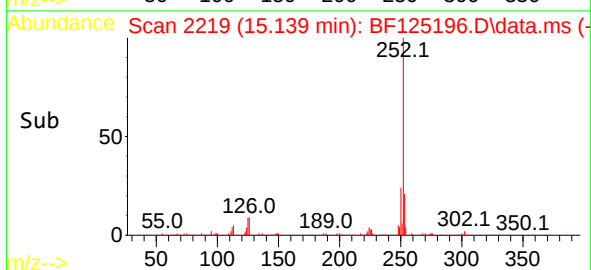
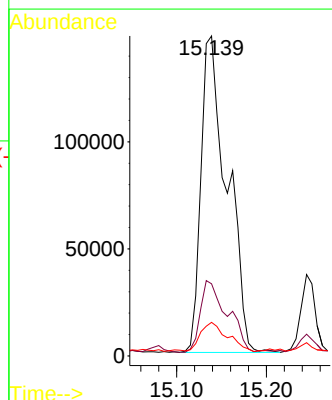
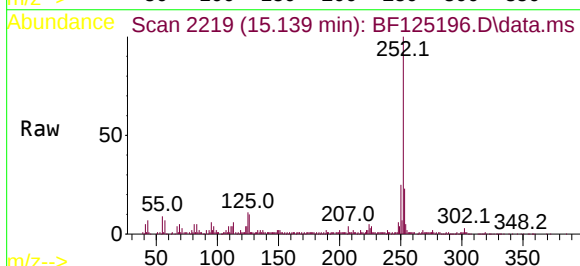
RT: 15.139 min Scan# 2219

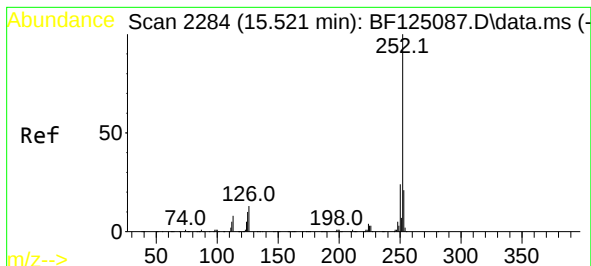
Delta R.T. -0.029 min

Lab File: BF125196.D

Acq: 24 Aug 2021 21:10

Tgt Ion:	252	Resp:	299210
Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.8
125	10.5	7.2	10.8





#90

Benzo(a)pyrene

Concen: 6.001 ng

RT: 15.451 min Scan# 2272

Delta R.T. -0.065 min

Lab File: BF125196.D

Acq: 24 Aug 2021 21:10

Tgt Ion:252 Resp: 130224

Ion Ratio Lower Upper

252 100

253 25.1 18.4 27.6

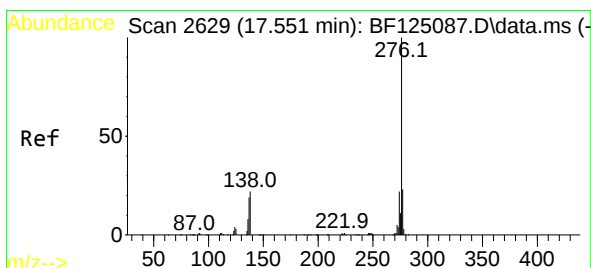
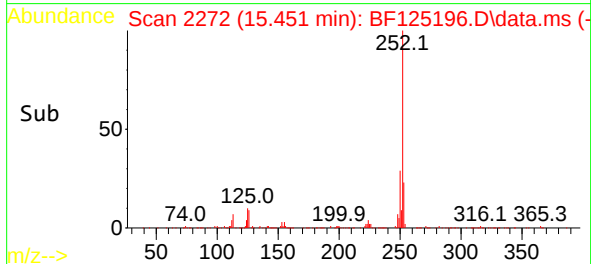
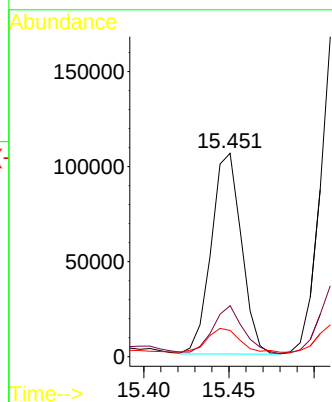
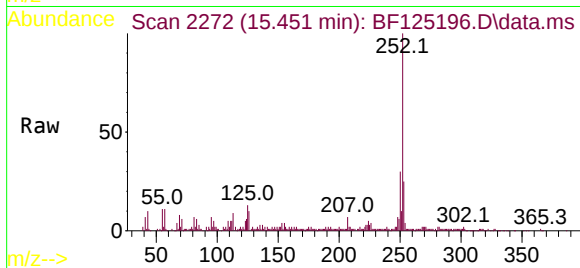
125 12.9 9.9 14.9

Instrument :

BNA_F

ClientSampled :

130-B



#92

Benzo(g,h,i)perylene

Concen: 3.918 ng

RT: 17.545 min Scan# 2628

Delta R.T. -0.006 min

Lab File: BF125196.D

Acq: 24 Aug 2021 21:10

Tgt Ion:276 Resp: 79111

Ion Ratio Lower Upper

276 100

277 23.8 22.0 33.0

138 21.0 22.2 33.4#

