

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
 Data File : BF125209.D
 Acq On : 25 Aug 2021 14:47
 Operator : JU/CG
 Sample : M3524-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PE-3

Quant Time: Aug 25 15:58:41 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)

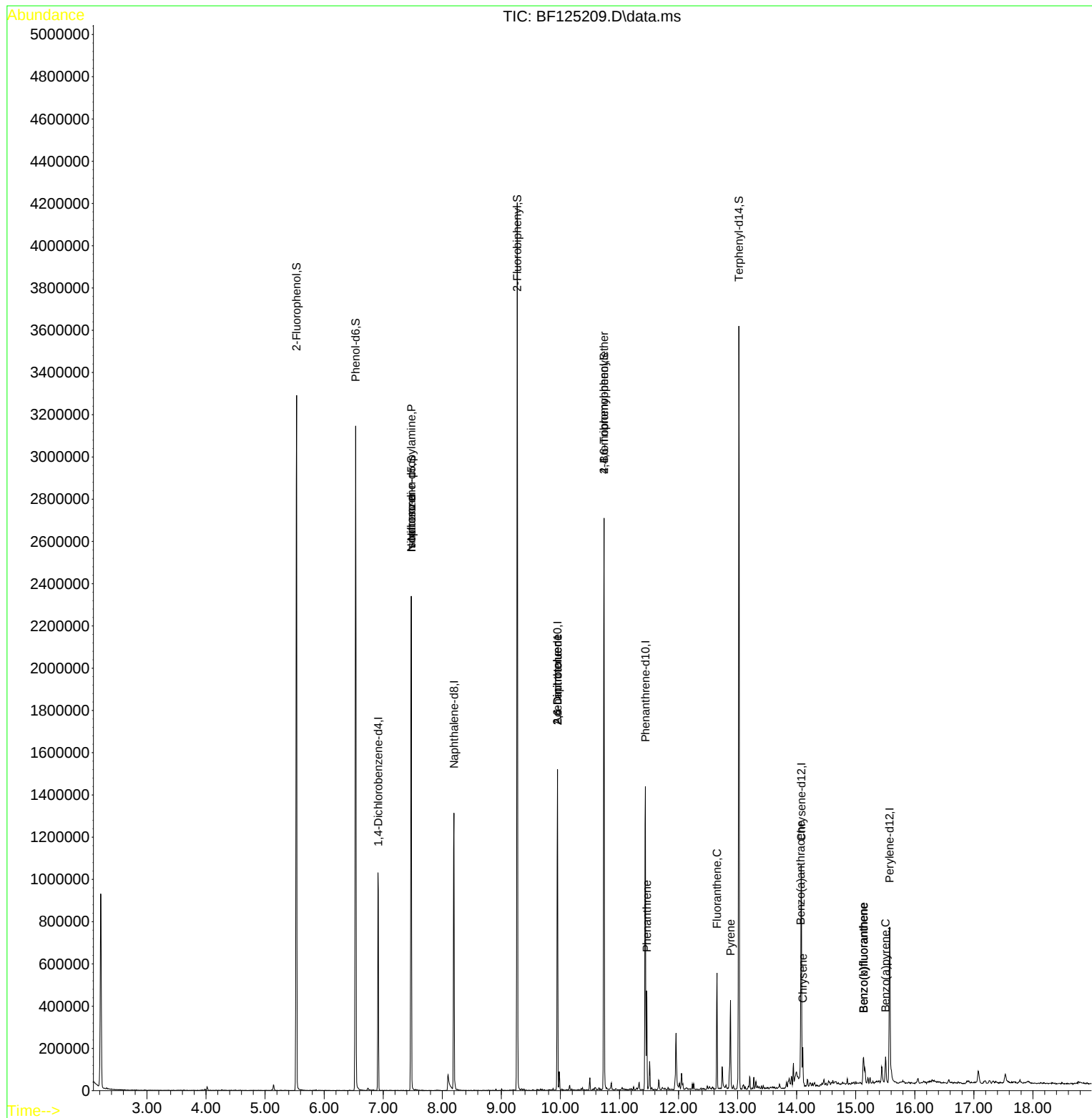
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	144575	20.000	ng	0.00
21) Naphthalene-d8	8.198	136	564669	20.000	ng	# 0.00
39) Acenaphthene-d10	9.951	164	296156	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	526286	20.000	ng	0.00
76) Chrysene-d12	14.080	240	332608	20.000	ng	# 0.00
86) Perylene-d12	15.574	264	341106	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	797938	83.539	ng	0.00
7) Phenol-d6	6.534	99	1001533	81.073	ng	0.00
23) Nitrobenzene-d5	7.475	82	663414	59.148	ng	0.00
42) 2,4,6-Tribromophenol	10.739	330	313985	106.209	ng	0.00
45) 2-Fluorobiphenyl	9.269	172	1220270	57.427	ng	0.00
79) Terphenyl-d14	13.022	244	1262241	60.457	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.475	70	91787	12.353	ng	# 59
25) Isophorone	7.475	82	663524	30.666	ng	# 59
51) 2,6-Dinitrotoluene	9.951	165	37202	8.360	ng	# 28
57) 2,4-Dinitrotoluene	9.951	165	37202	6.907	ng	# 20
67) 4-Bromophenyl-phenylether	10.739	248	19397	3.069	ng	# 1
71) Phenanthrene	11.463	178	174599	6.021	ng	99
75) Fluoranthene	12.651	202	204734	7.115	ng	96
78) Pyrene	12.880	202	166750	5.844	ng	97
81) Benzo(a)anthracene	14.069	228	76971	3.212	ng	99
83) Chrysene	14.104	228	69017	2.912	ng	98
88) Benzo(b)fluoranthene	15.133	252	103486	4.153	ng	# 94
89) Benzo(k)fluoranthene	15.133	252	103486	4.450	ng	98
90) Benzo(a)pyrene	15.504	252	57931	2.632	ng	95

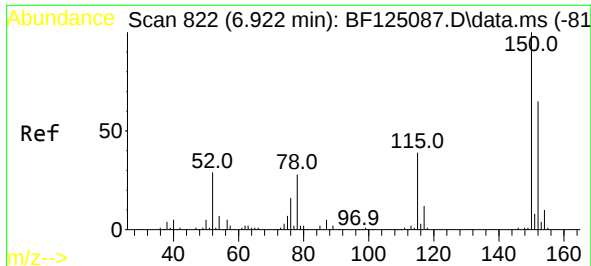
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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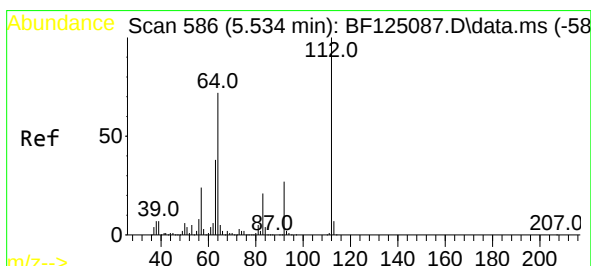
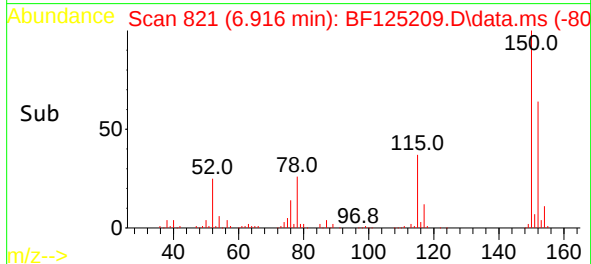
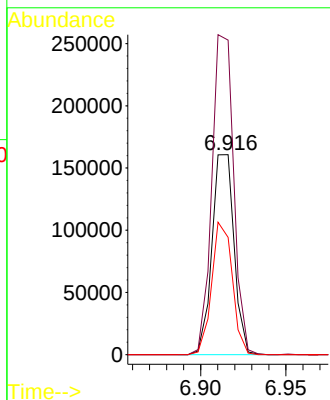
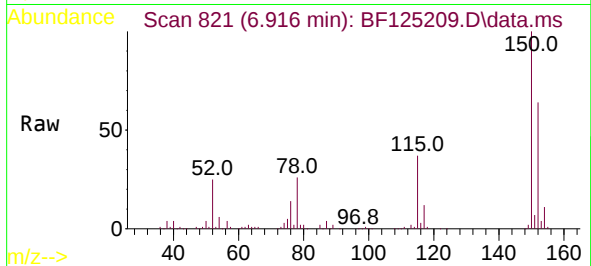




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.916 min Scan# 821
Delta R.T. 0.000 min
Lab File: BF125209.D
Acq: 25 Aug 2021 14:47

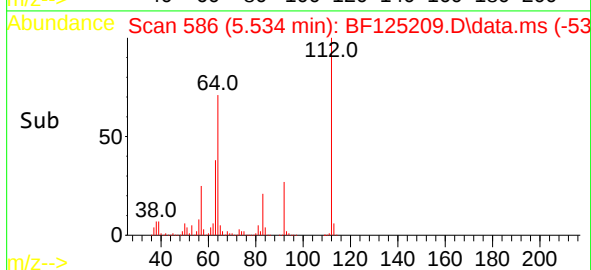
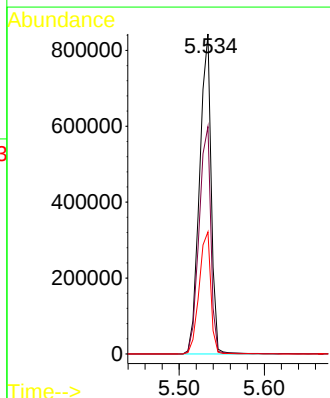
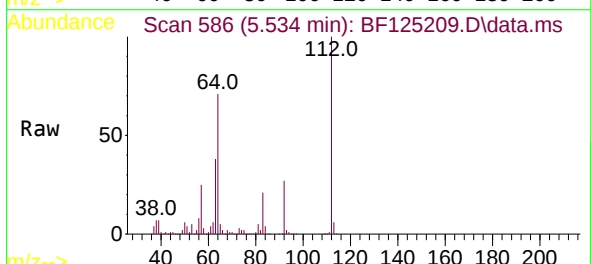
Instrument :
BNA_F
ClientSampleId :
PE-3

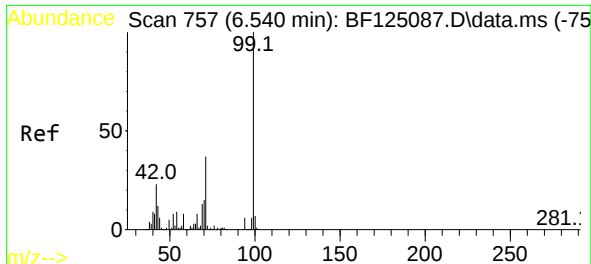
Tgt Ion:152 Resp: 144575
Ion Ratio Lower Upper
152 100
150 157.2 117.6 176.4
115 58.6 47.1 70.7



#5
2-Fluorophenol
Concen: 83.539 ng
RT: 5.534 min Scan# 586
Delta R.T. 0.006 min
Lab File: BF125209.D
Acq: 25 Aug 2021 14:47

Tgt Ion:112 Resp: 797938
Ion Ratio Lower Upper
112 100
64 71.1 44.2 66.2#
63 38.2 26.2 39.2

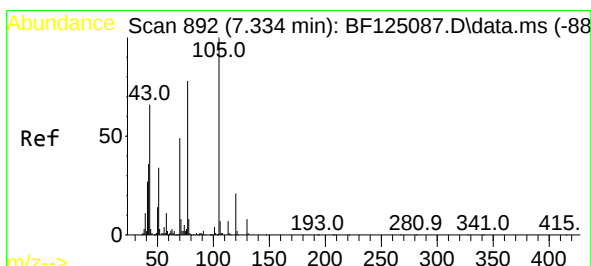
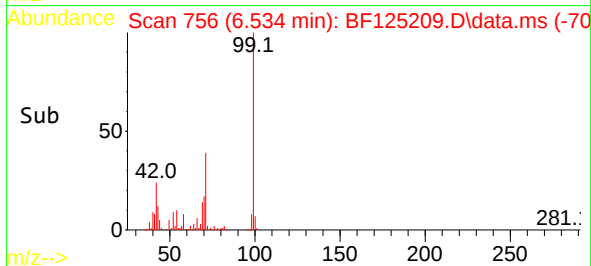
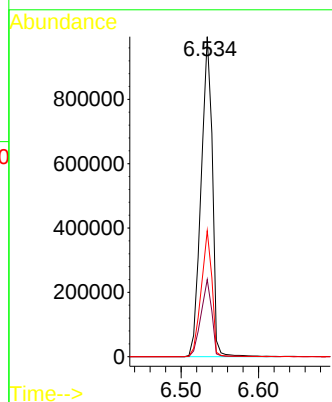
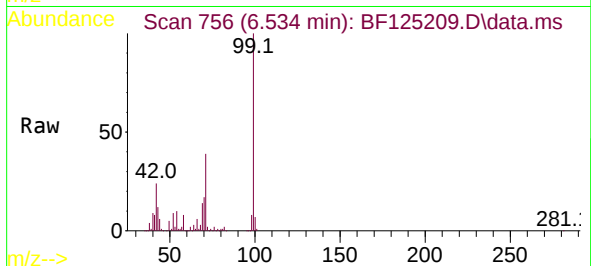




#7
Phenol-d6
Concen: 81.073 ng
RT: 6.534 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF125209.D
Acq: 25 Aug 2021 14:47

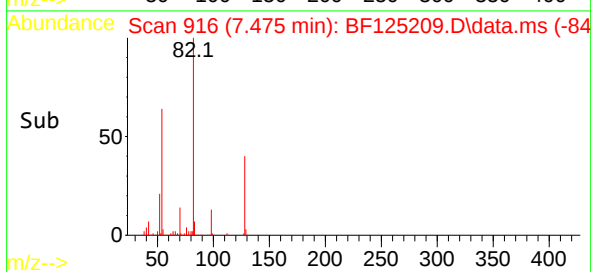
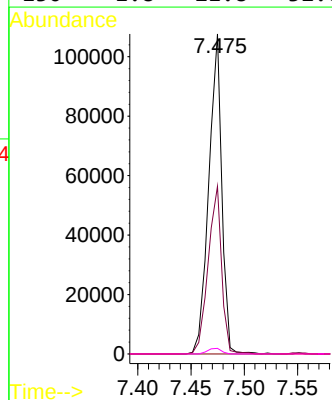
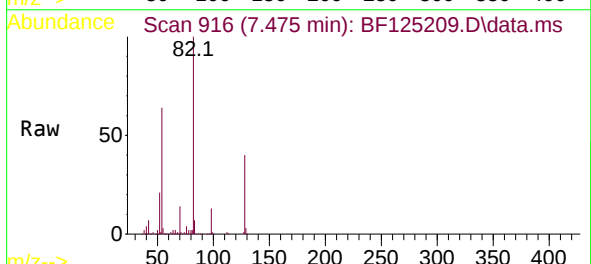
Instrument :
BNA_F
ClientSampleId :
PE-3

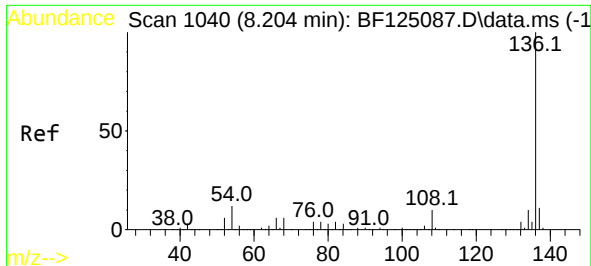
Tgt Ion: 99 Resp: 1001533
Ion Ratio Lower Upper
99 100
42 24.1 23.5 35.3
71 39.4 25.6 38.4#



#19
n-Nitroso-di-n-propylamine
Concen: 12.353 ng
RT: 7.475 min Scan# 916
Delta R.T. 0.147 min
Lab File: BF125209.D
Acq: 25 Aug 2021 14:47

Tgt Ion: 70 Resp: 91787
Ion Ratio Lower Upper
70 100
42 52.4 72.2 108.2#
101 0.0 7.8 11.8#
130 1.8 21.8 32.6#

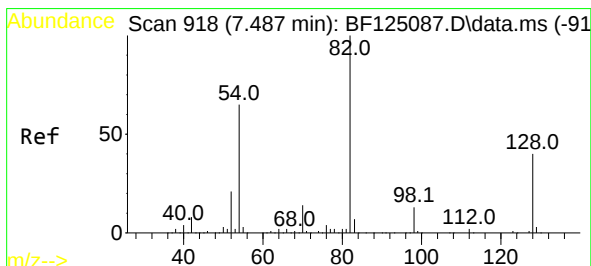
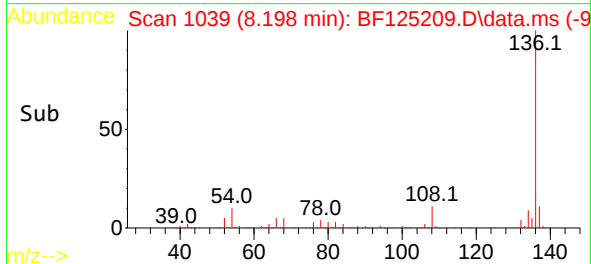
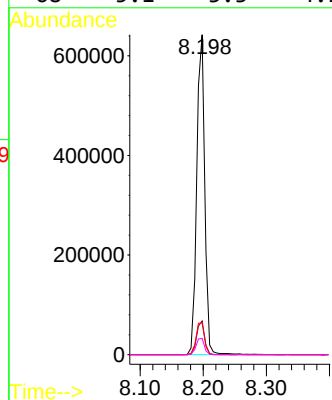
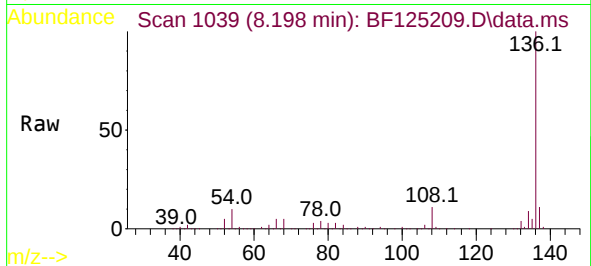




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.198 min Scan# 1039
Delta R.T. 0.000 min
Lab File: BF125209.D
Acq: 25 Aug 2021 14:47

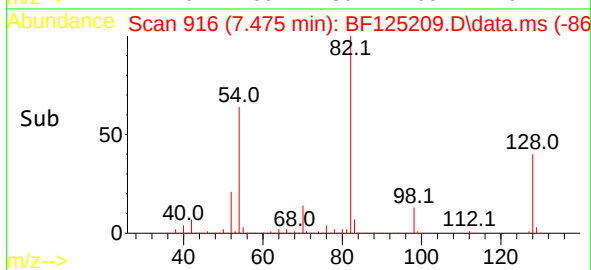
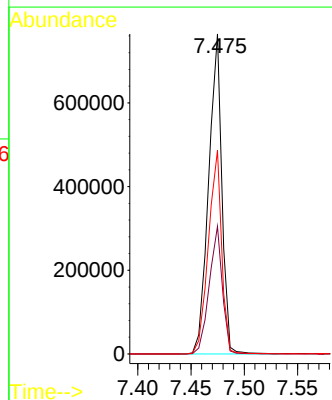
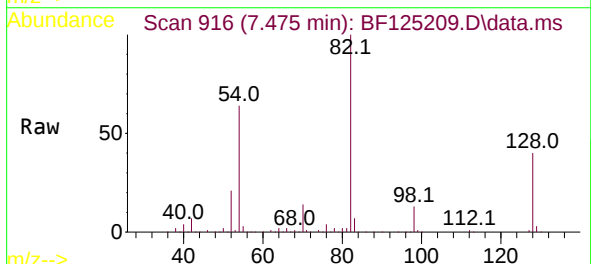
Instrument :
BNA_F
ClientSampleId :
PE-3

Tgt Ion:136 Resp: 564669
Ion Ratio Lower Upper
136 100
137 10.6 9.8 14.6
54 9.9 6.4 9.6#
68 5.1 3.3 4.9#



#23
Nitrobenzene-d5
Concen: 59.148 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.006 min
Lab File: BF125209.D
Acq: 25 Aug 2021 14:47

Tgt Ion: 82 Resp: 663414
Ion Ratio Lower Upper
82 100
128 39.9 40.6 60.8#
54 63.6 49.6 74.4

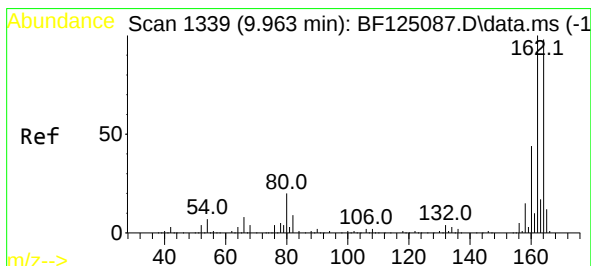
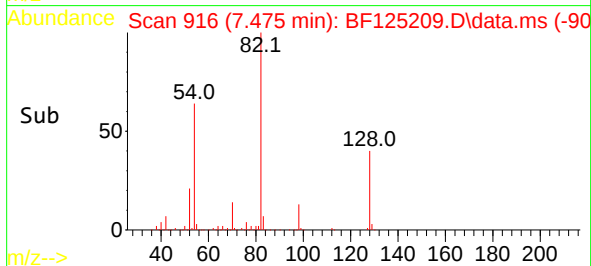
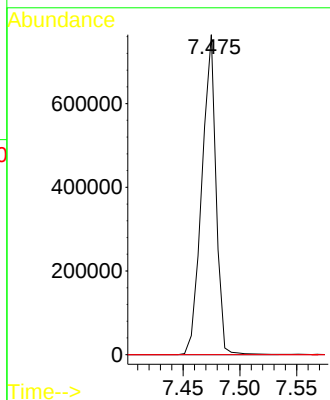
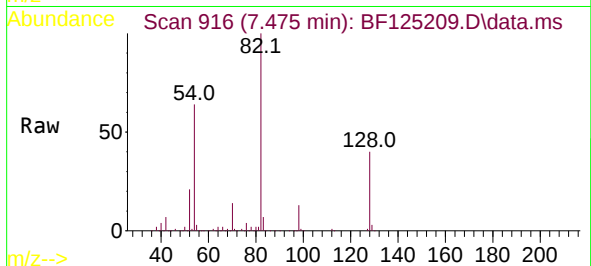




#25
Isophorone
Concen: 30.666 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.259 min
Lab File: BF125209.D
Acq: 25 Aug 2021 14:47

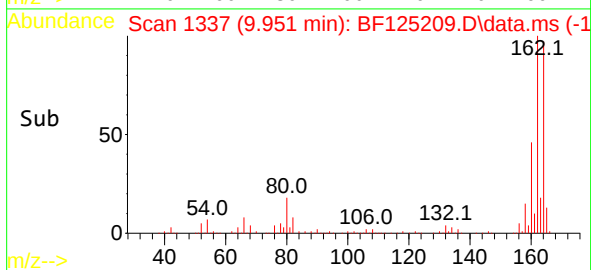
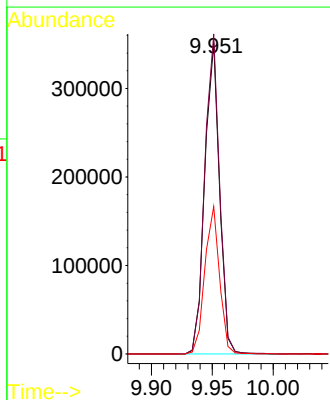
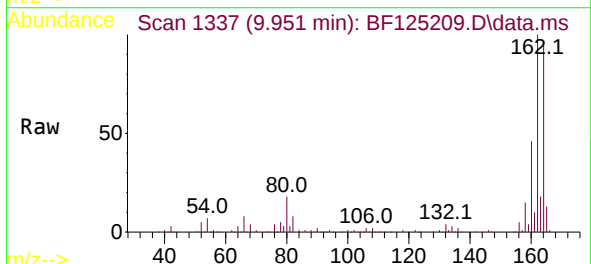
Instrument :
BNA_F
ClientSampleId :
PE-3

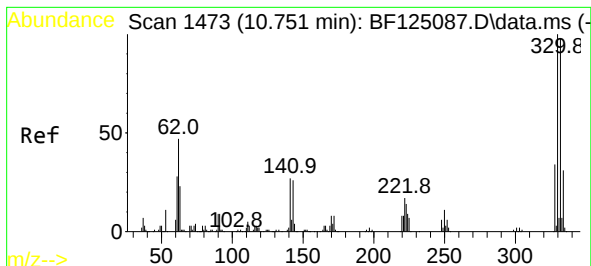
Tgt Ion: 82 Resp: 663524
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.951 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BF125209.D
Acq: 25 Aug 2021 14:47

Tgt Ion: 164 Resp: 296156
Ion Ratio Lower Upper
164 100
162 102.9 81.3 121.9
160 47.4 38.0 57.0

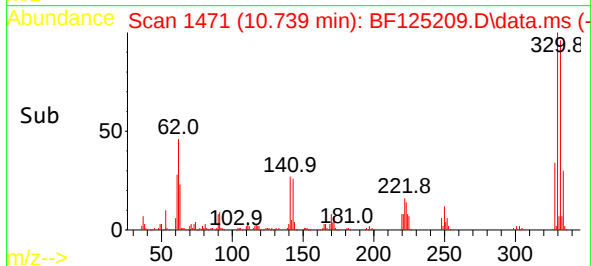
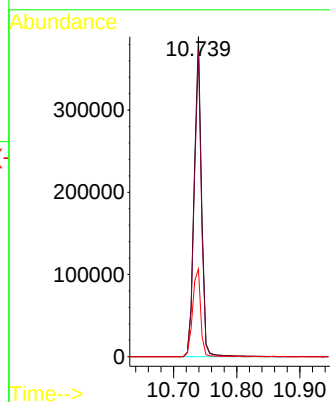
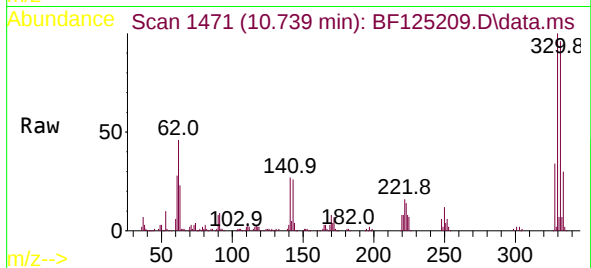




#42
2,4,6-Tribromophenol
Concen: 106.209 ng
RT: 10.739 min Scan# 1471
Delta R.T. 0.000 min
Lab File: BF125209.D
Acq: 25 Aug 2021 14:47

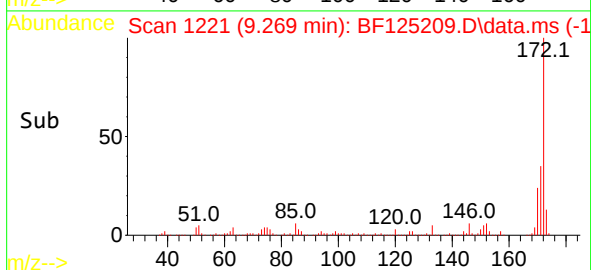
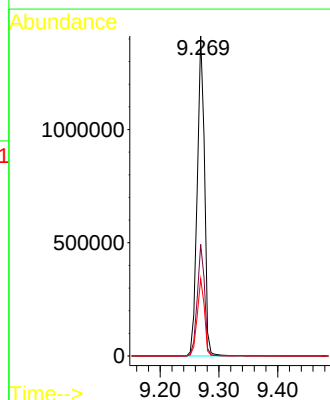
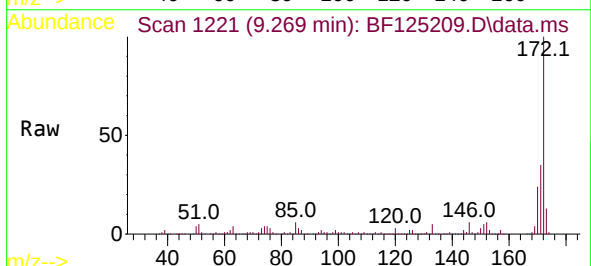
Instrument :
BNA_F
ClientSampleId :
PE-3

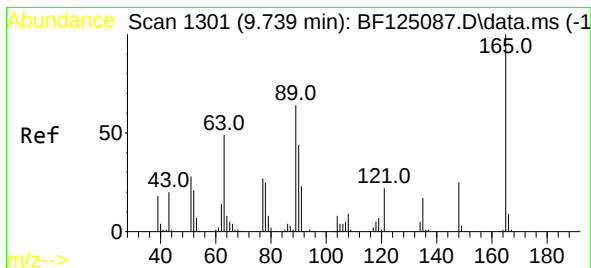
Tgt Ion: 330 Resp: 313985
Ion Ratio Lower Upper
330 100
332 94.7 76.2 114.4
141 30.3 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 57.427 ng
RT: 9.269 min Scan# 1221
Delta R.T. -0.006 min
Lab File: BF125209.D
Acq: 25 Aug 2021 14:47

Tgt Ion: 172 Resp: 1220270
Ion Ratio Lower Upper
172 100
171 34.8 26.5 39.7
170 24.1 18.8 28.2

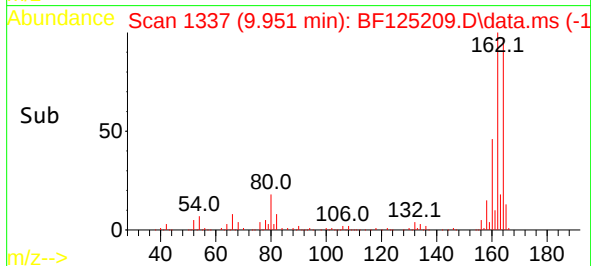
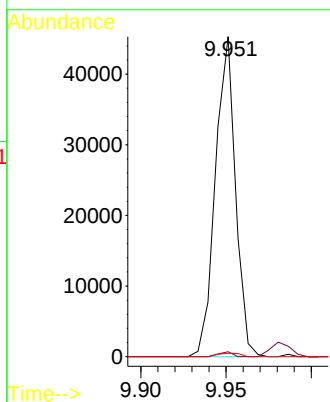
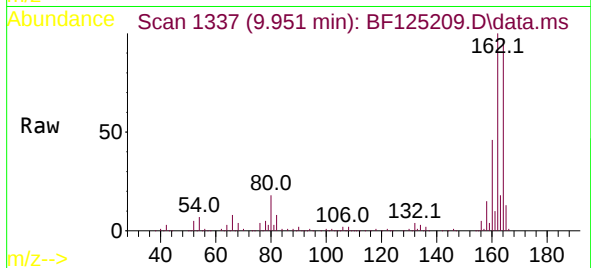




#51
2,6-Dinitrotoluene
Concen: 8.360 ng
RT: 9.951 min Scan# 1337
Delta R.T. 0.218 min
Lab File: BF125209.D
Acq: 25 Aug 2021 14:47

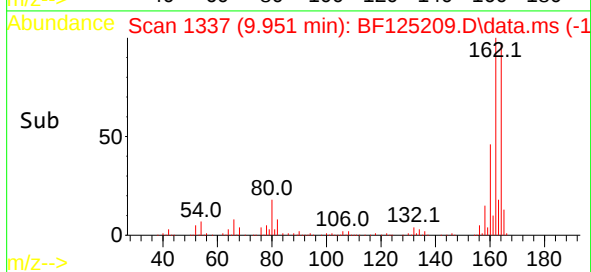
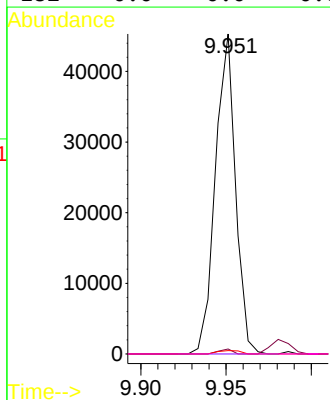
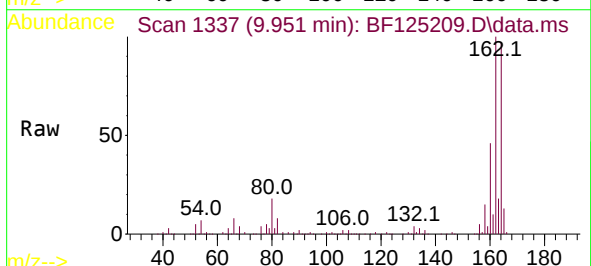
Instrument :
BNA_F
ClientSampled :
PE-3

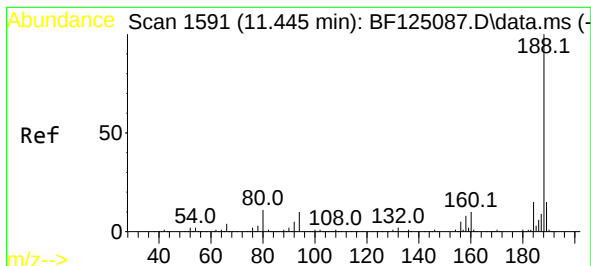
Tgt Ion:165 Resp: 37202
Ion Ratio Lower Upper
165 100
63 1.5 42.6 63.8#
89 1.0 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 6.907 ng
RT: 9.951 min Scan# 1337
Delta R.T. -0.182 min
Lab File: BF125209.D
Acq: 25 Aug 2021 14:47

Tgt Ion:165 Resp: 37202
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

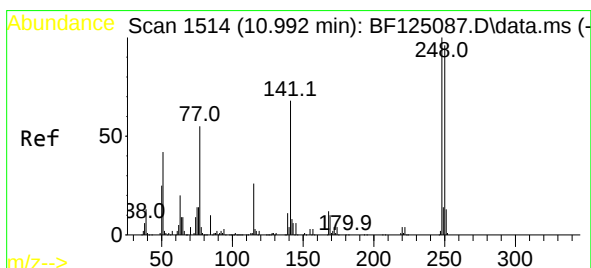
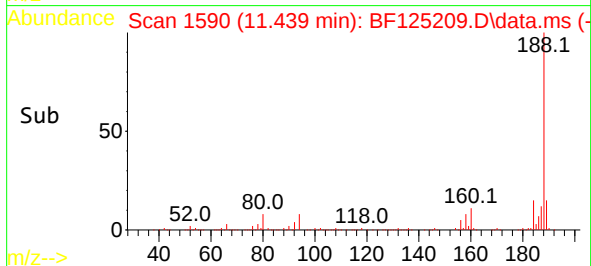
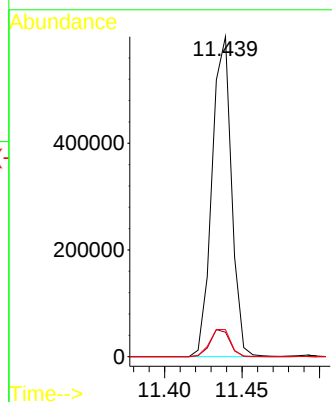
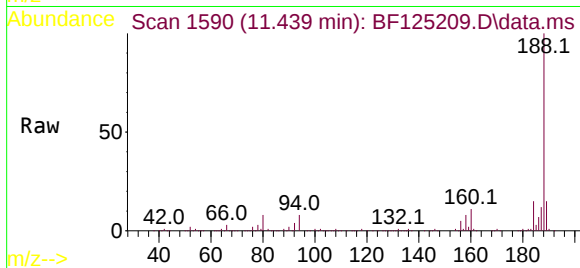




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.439 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BF125209.D
Acq: 25 Aug 2021 14:47

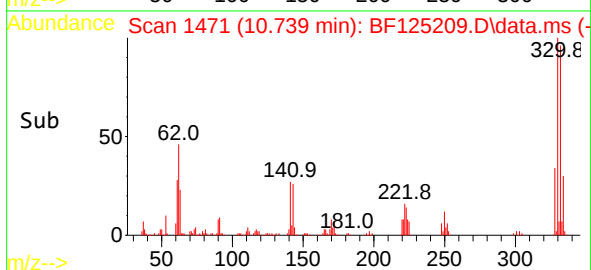
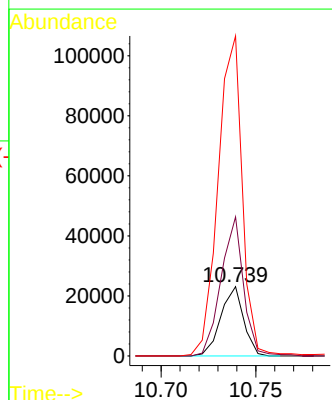
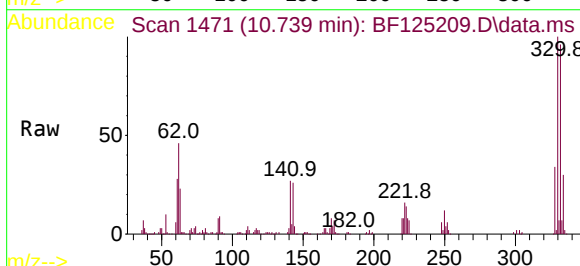
Instrument :
BNA_F
ClientSampled :
PE-3

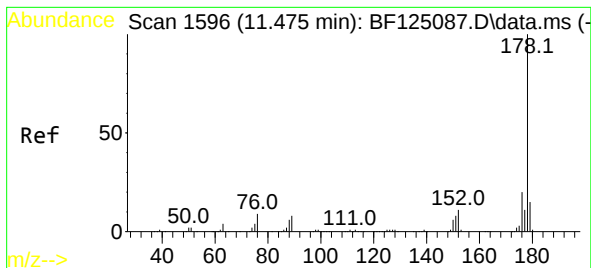
Tgt Ion:188 Resp: 526286
Ion Ratio Lower Upper
188 100
94 7.7 6.7 10.1
80 8.5 7.5 11.3



#67
4-Bromophenyl-phenylether
Concen: 3.069 ng
RT: 10.739 min Scan# 1471
Delta R.T. -0.241 min
Lab File: BF125209.D
Acq: 25 Aug 2021 14:47

Tgt Ion:248 Resp: 19397
Ion Ratio Lower Upper
248 100
250 200.6 74.2 111.4#
141 461.6 60.4 90.6#

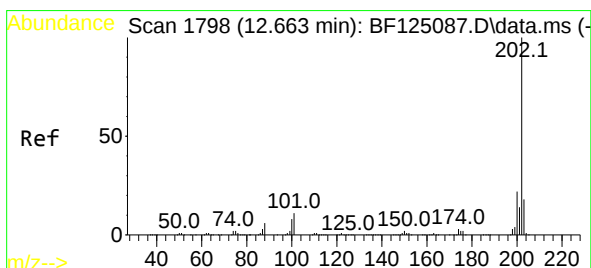
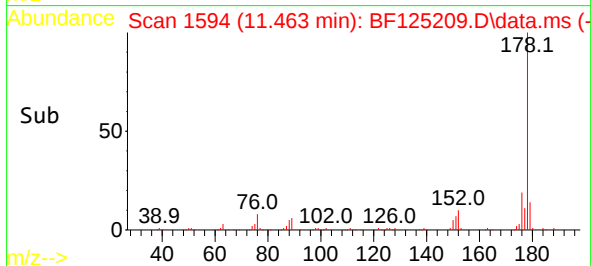
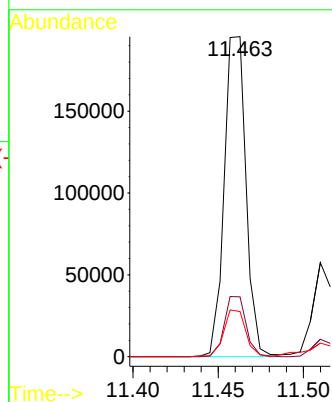
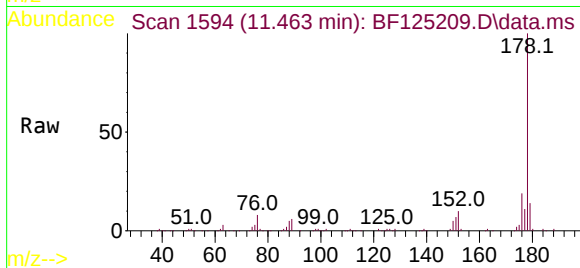




#71
Phenanthrene
Concen: 6.021 ng
RT: 11.463 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BF125209.D
Acq: 25 Aug 2021 14:47

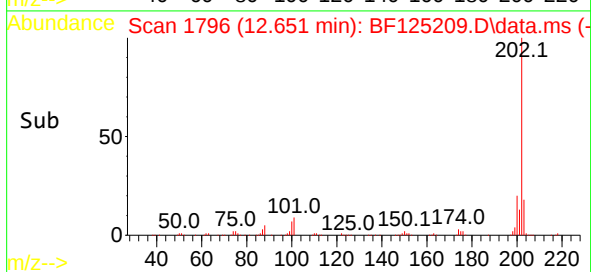
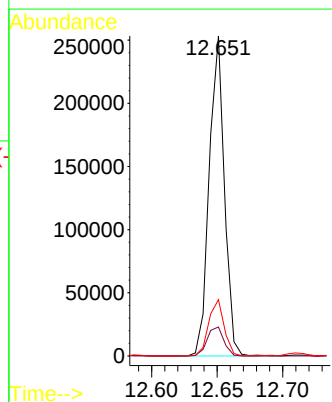
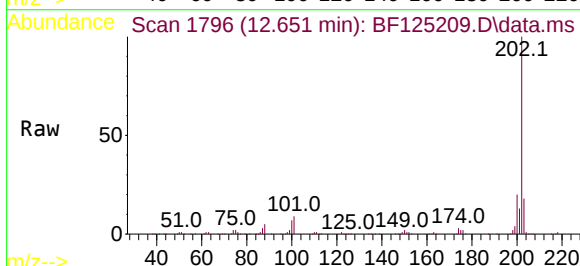
Instrument :
BNA_F
ClientSampleId :
PE-3

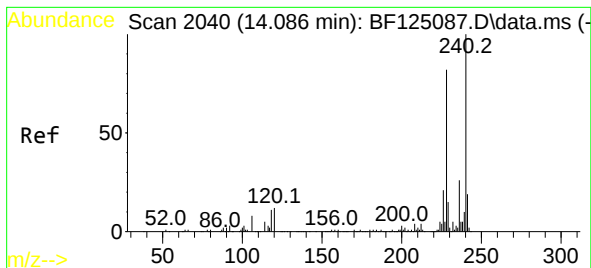
Tgt Ion:178 Resp: 174599
Ion Ratio Lower Upper
178 100
176 18.7 14.7 22.1
179 14.1 11.5 17.3



#75
Fluoranthene
Concen: 7.115 ng
RT: 12.651 min Scan# 1796
Delta R.T. 0.000 min
Lab File: BF125209.D
Acq: 25 Aug 2021 14:47

Tgt Ion:202 Resp: 204734
Ion Ratio Lower Upper
202 100
101 9.0 0.0 30.7
203 17.6 0.0 36.3

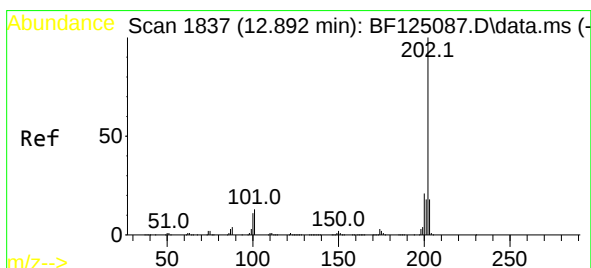
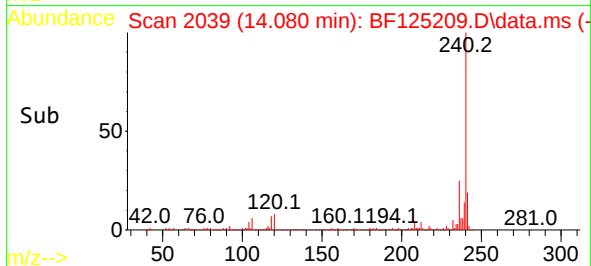
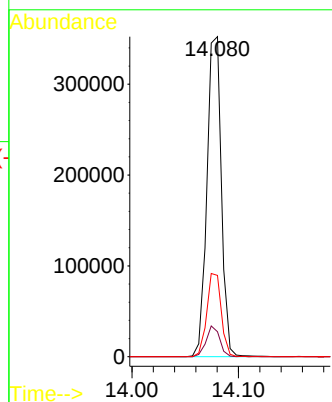
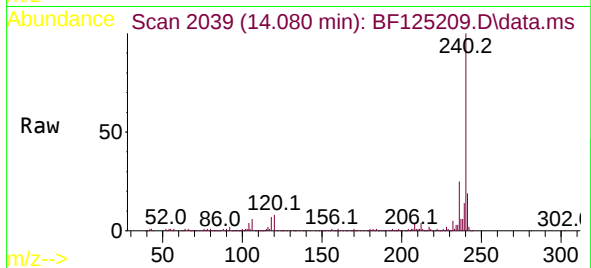




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2039
Delta R.T. 0.000 min
Lab File: BF125209.D
Acq: 25 Aug 2021 14:47

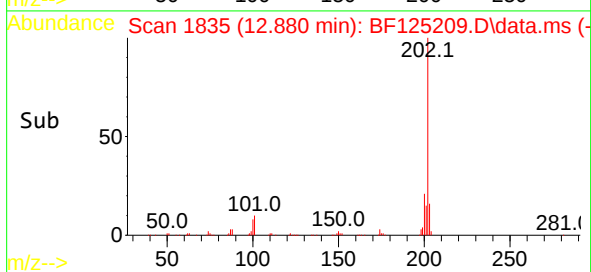
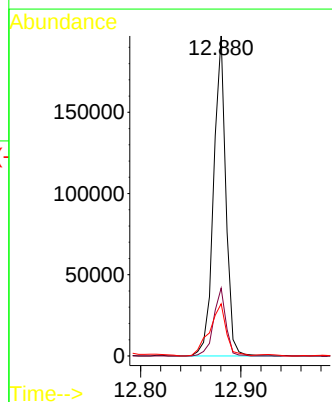
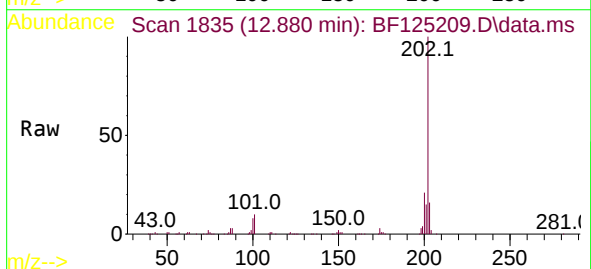
Instrument :
BNA_F
ClientSampled :
PE-3

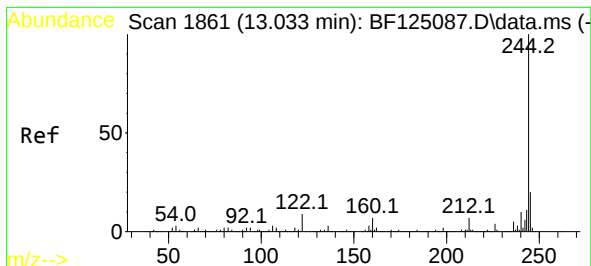
Tgt Ion:240 Resp: 332608
Ion Ratio Lower Upper
240 100
120 7.8 10.8 16.2#
236 25.4 21.6 32.4



#78
Pyrene
Concen: 5.844 ng
RT: 12.880 min Scan# 1835
Delta R.T. -0.006 min
Lab File: BF125209.D
Acq: 25 Aug 2021 14:47

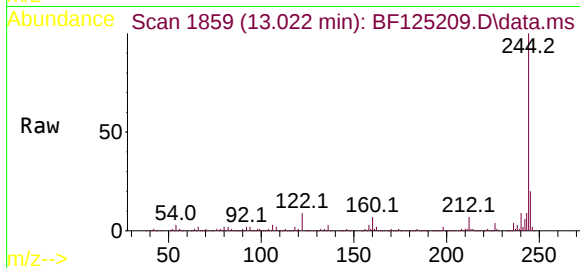
Tgt Ion:202 Resp: 166750
Ion Ratio Lower Upper
202 100
200 21.2 15.3 22.9
203 16.3 13.4 20.0





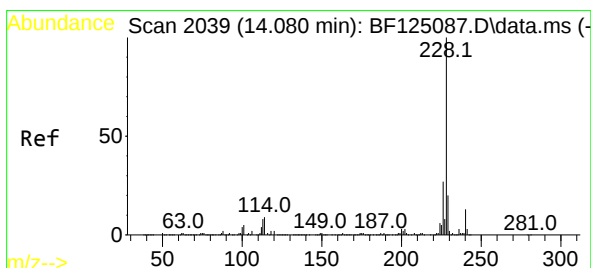
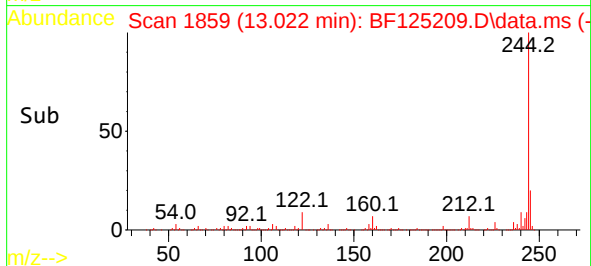
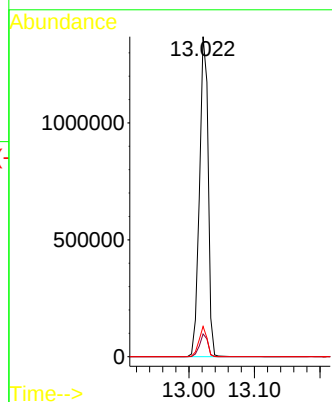
#79
 Terphenyl-d14
 Concen: 60.457 ng
 RT: 13.022 min Scan# 1859
 Delta R.T. 0.000 min
 Lab File: BF125209.D
 Acq: 25 Aug 2021 14:47

Instrument :
 BNA_F
 ClientSampleId :
 PE-3

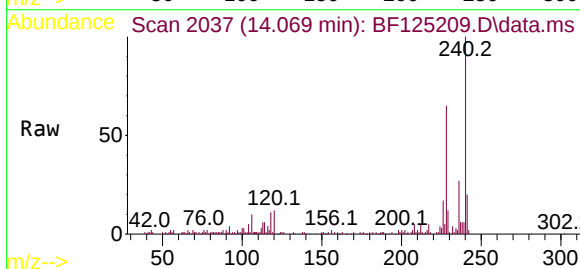


Tgt Ion:244 Resp: 1262241

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.9	8.9
122	9.4	9.0	13.4

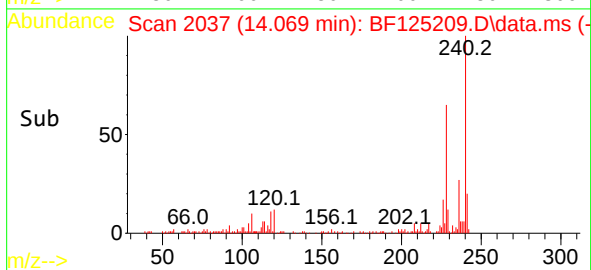
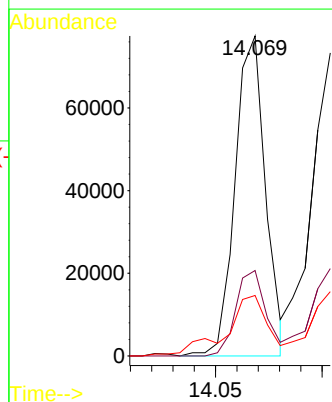


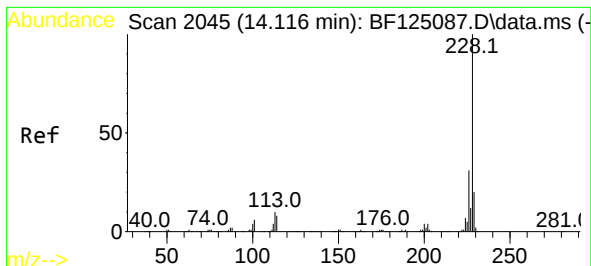
#81
 Benzo(a)anthracene
 Concen: 3.212 ng
 RT: 14.069 min Scan# 2037
 Delta R.T. 0.000 min
 Lab File: BF125209.D
 Acq: 25 Aug 2021 14:47



Tgt Ion:228 Resp: 76971

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.6	32.4
229	18.9	15.6	23.4





#83

Chrysene

Concen: 2.912 ng

RT: 14.104 min Scan# 2043

Delta R.T. -0.006 min

Lab File: BF125209.D

Acq: 25 Aug 2021 14:47

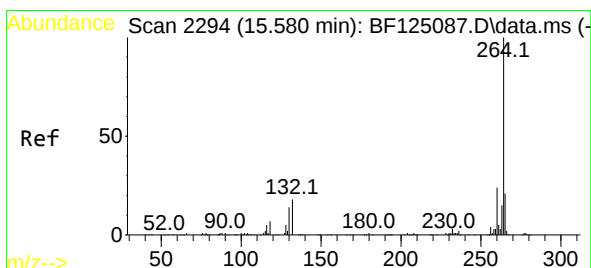
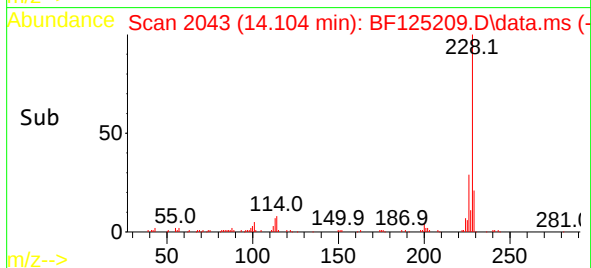
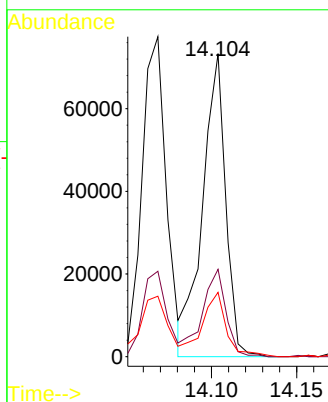
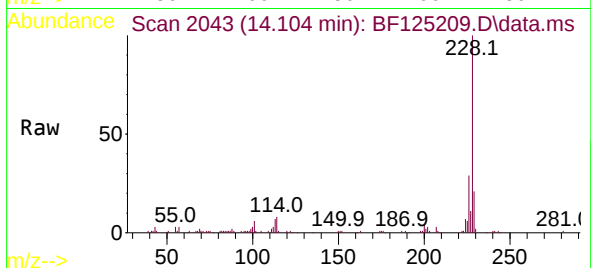
Tgt Ion:228	Resp: 69017
Ion Ratio	Lower Upper
228 100	
226 28.8	22.6 34.0
229 21.2	15.9 23.9

Instrument :

BNA_F

ClientSampleId :

PE-3



#86

Perylene-d12

Concen: 20.000 ng

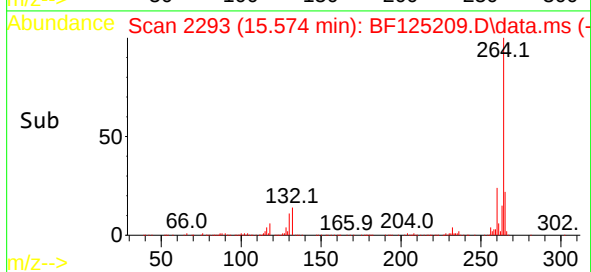
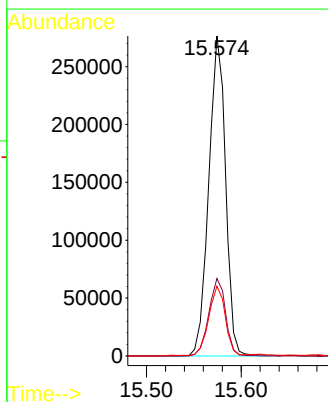
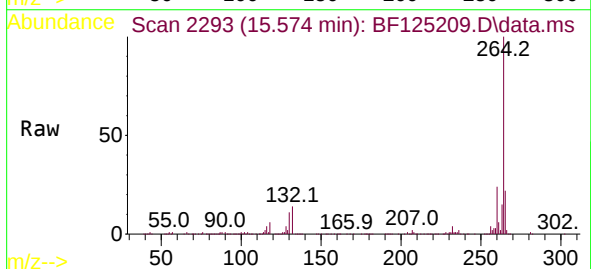
RT: 15.574 min Scan# 2293

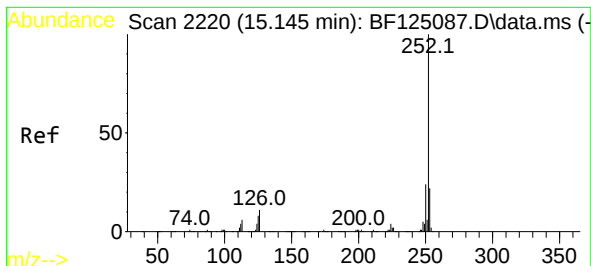
Delta R.T. 0.000 min

Lab File: BF125209.D

Acq: 25 Aug 2021 14:47

Tgt Ion:264	Resp: 341106
Ion Ratio	Lower Upper
264 100	
260 24.2	19.6 29.4
265 21.8	17.2 25.8

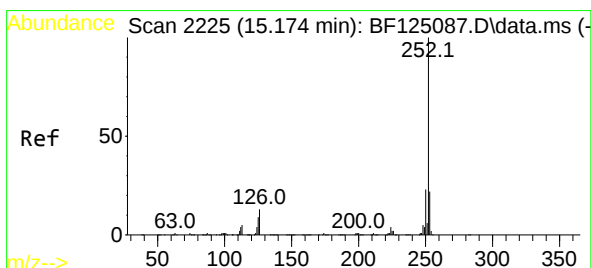
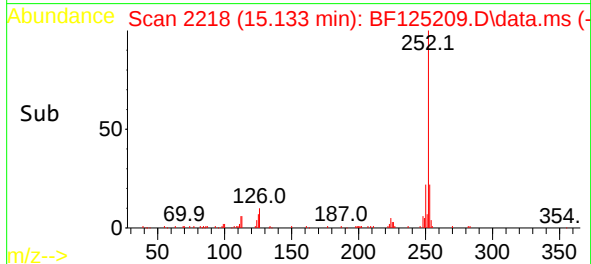
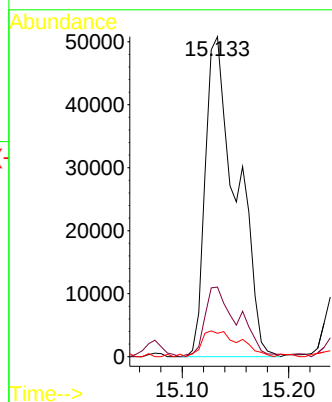
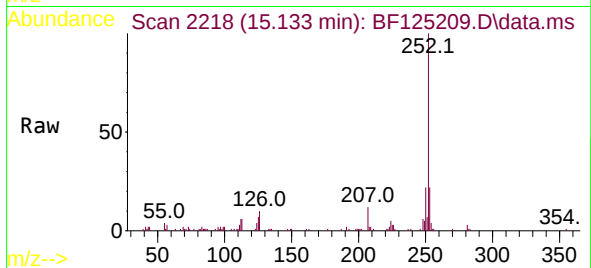




#88
Benzo(b)fluoranthene
Concen: 4.153 ng
RT: 15.133 min Scan# 2218
Delta R.T. 0.000 min
Lab File: BF125209.D
Acq: 25 Aug 2021 14:47

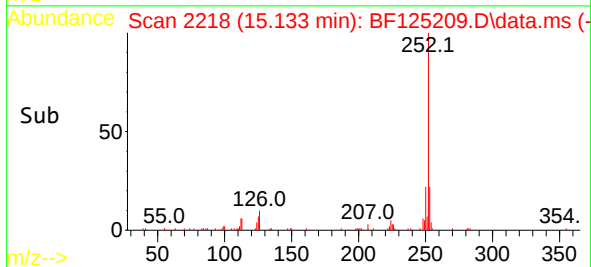
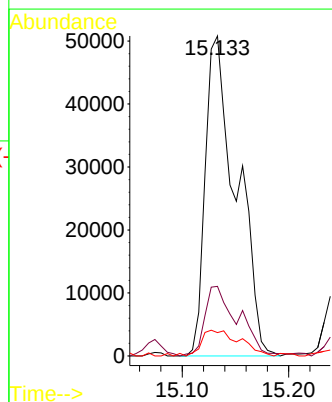
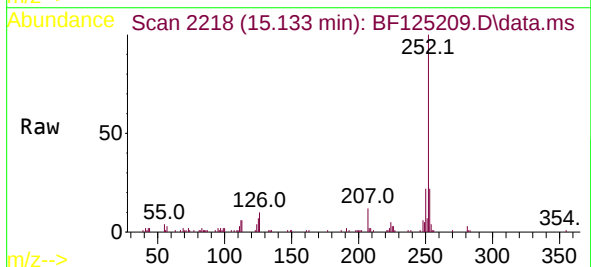
Instrument :
BNA_F
ClientSampled :
PE-3

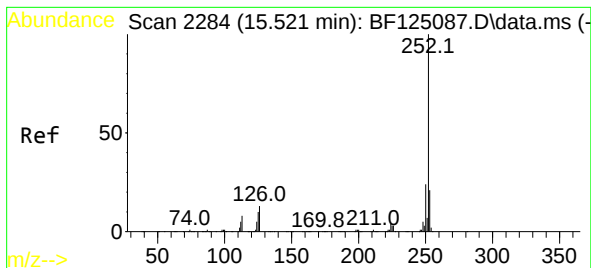
Tgt Ion:252 Resp: 103486
Ion Ratio Lower Upper
252 100
253 21.7 16.8 25.2
125 7.3 9.8 14.8#



#89
Benzo(k)fluoranthene
Concen: 4.450 ng
RT: 15.133 min Scan# 2218
Delta R.T. -0.035 min
Lab File: BF125209.D
Acq: 25 Aug 2021 14:47

Tgt Ion:252 Resp: 103486
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.8
125 7.3 7.2 10.8





#90

Benzo(a)pyrene

Concen: 2.632 ng

RT: 15.504 min Scan# 2281

Delta R.T. -0.012 min

Lab File: BF125209.D

Acq: 25 Aug 2021 14:47

Tgt Ion:252 Resp: 57931

Ion Ratio Lower Upper

252 100

253 20.7 18.4 27.6

125 10.4 9.9 14.9

