

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090221\
 Data File : BF125337.D
 Acq On : 2 Sep 2021 23:55
 Operator : JU/CG
 Sample : M3634-01 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-090121

Quant Time: Sep 03 05:01:21 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)

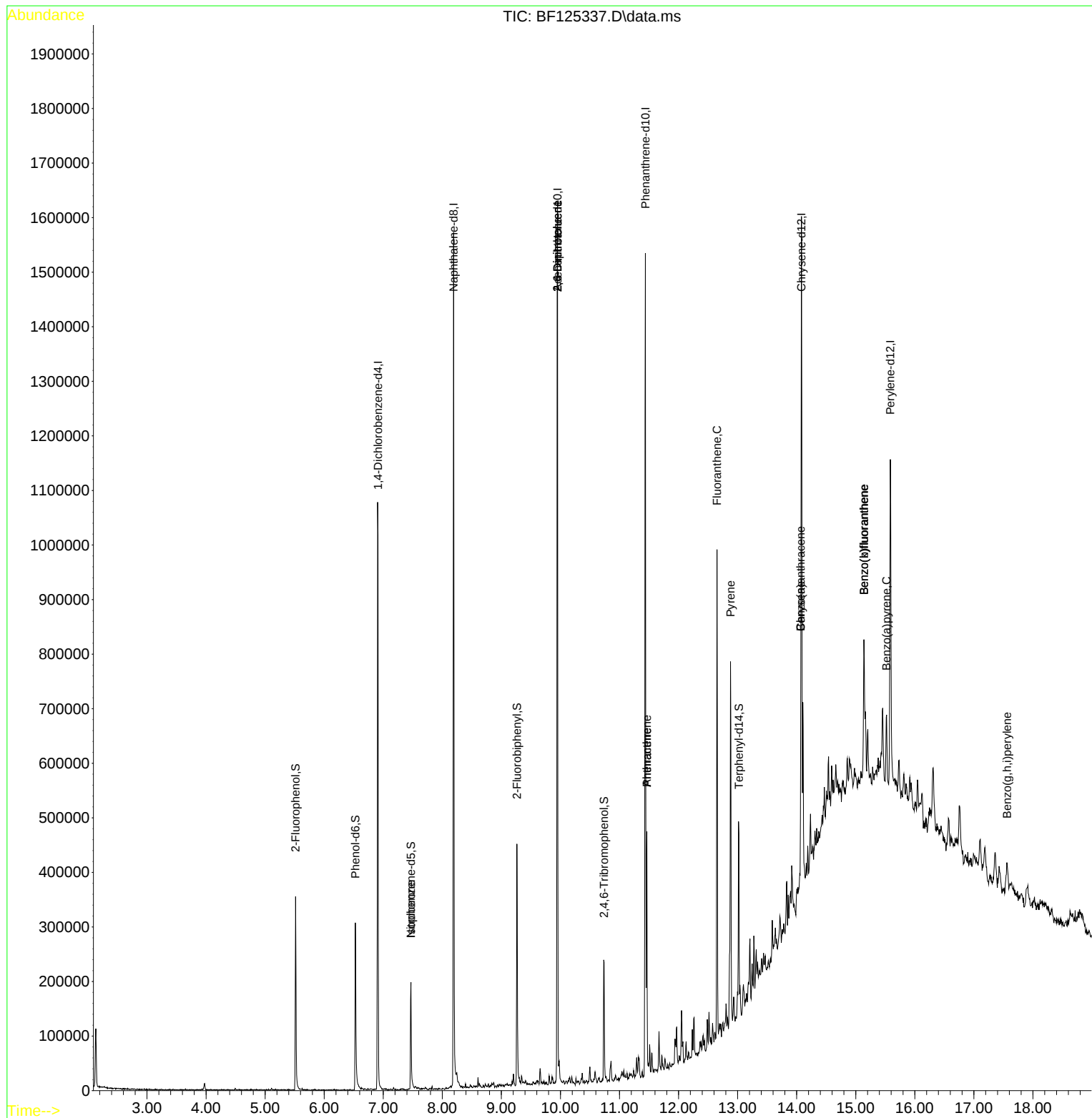
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	167087	20.000	ng	0.00
21) Naphthalene-d8	8.192	136	667240	20.000	ng	# 0.00
39) Acenaphthene-d10	9.951	164	348177	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	548358	20.000	ng	0.00
76) Chrysene-d12	14.080	240	393404	20.000	ng	# 0.00
86) Perylene-d12	15.586	264	273745	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	91118	8.254	ng	-0.01
7) Phenol-d6	6.528	99	117349	8.219	ng	-0.01
23) Nitrobenzene-d5	7.469	82	73618	5.555	ng	-0.01
42) 2,4,6-Tribromophenol	10.739	330	30750	8.847	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	152855	6.119	ng	-0.01
79) Terphenyl-d14	13.021	244	123369	4.996	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.469	82	73617	2.879	ng	# 59
51) 2,6-Dinitrotoluene	9.951	165	46076	8.807	ng	# 28
57) 2,4-Dinitrotoluene	9.951	165	46076	7.277	ng	# 19
71) Phenanthrene	11.463	178	149911	4.962	ng	99
72) Anthracene	11.463	178	149911	5.034	ng	99
75) Fluoranthene	12.651	202	337337	11.252	ng	97
78) Pyrene	12.880	202	263922	7.821	ng	98
81) Benzo(a)anthracene	14.068	228	105639	3.727	ng	97
83) Chrysene	14.068	228	105568	3.766	ng	98
88) Benzo(b)fluoranthene	15.139	252	169941	8.497	ng	# 93
89) Benzo(k)fluoranthene	15.139	252	169941	9.106	ng	# 93
90) Benzo(a)pyrene	15.521	252	72294	4.092	ng	# 96
92) Benzo(g,h,i)perylene	17.562	276	38034	2.314	ng	92

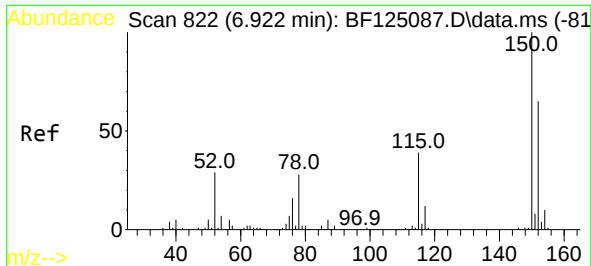
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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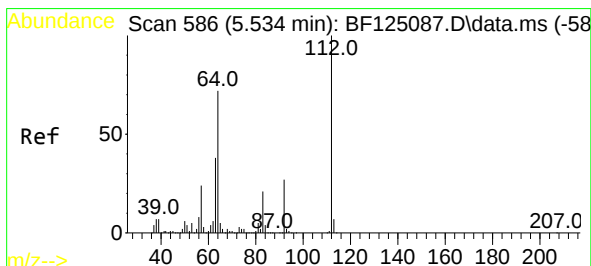
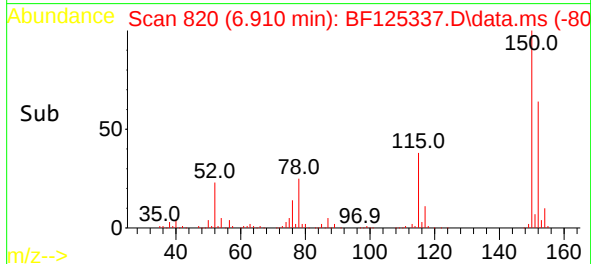
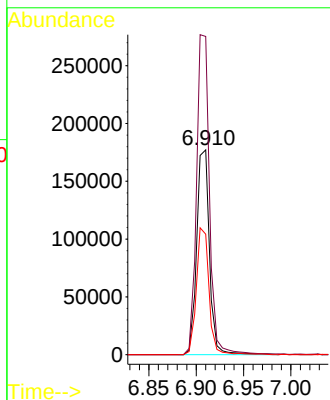
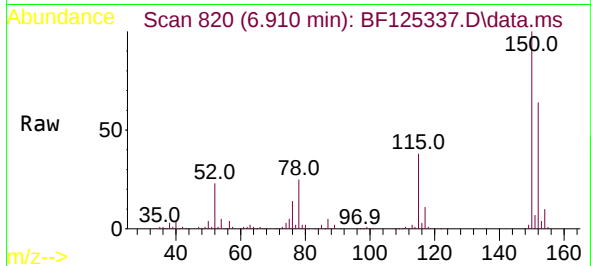




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 820
Delta R.T. -0.006 min
Lab File: BF125337.D
Acq: 2 Sep 2021 23:55

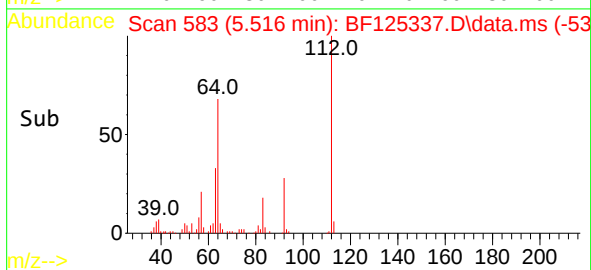
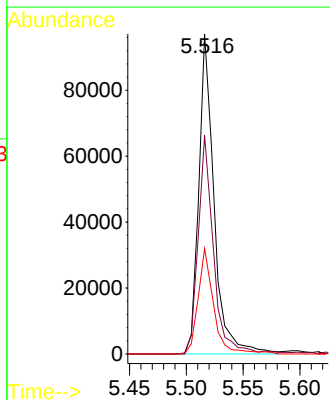
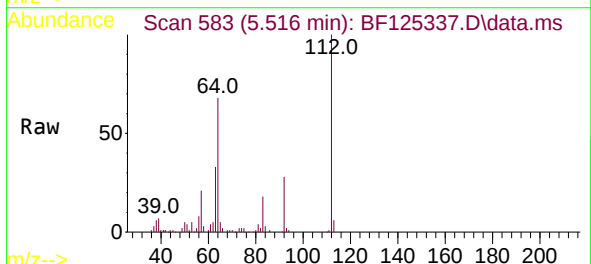
Instrument :
BNA_F
ClientSampleId :
OK-01-090121

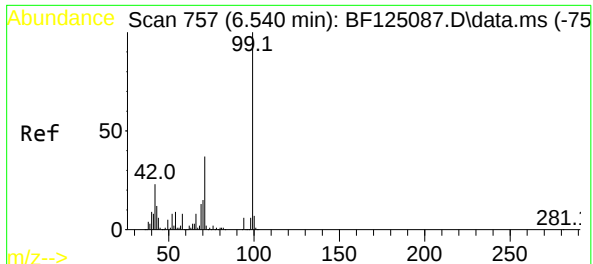
Tgt Ion:152 Resp: 167087
Ion Ratio Lower Upper
152 100
150 155.4 117.6 176.4
115 58.8 47.1 70.7



#5
2-Fluorophenol
Concen: 8.254 ng
RT: 5.516 min Scan# 583
Delta R.T. -0.012 min
Lab File: BF125337.D
Acq: 2 Sep 2021 23:55

Tgt Ion:112 Resp: 91118
Ion Ratio Lower Upper
112 100
64 68.4 44.2 66.2#
63 32.9 26.2 39.2

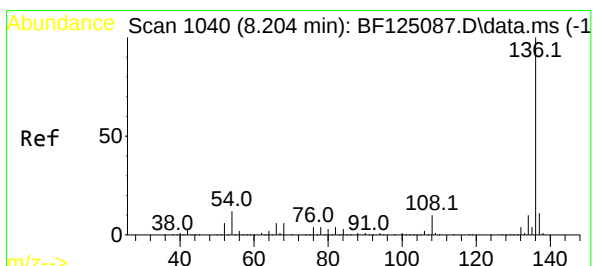
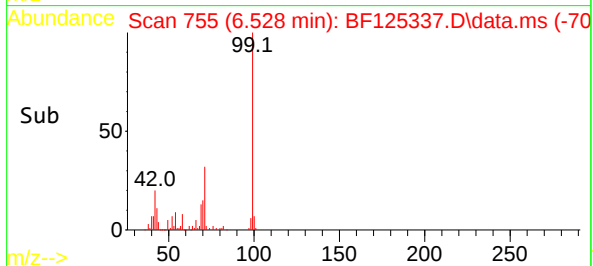
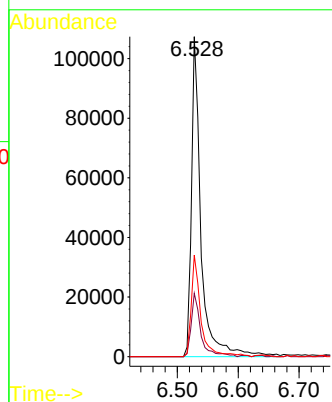
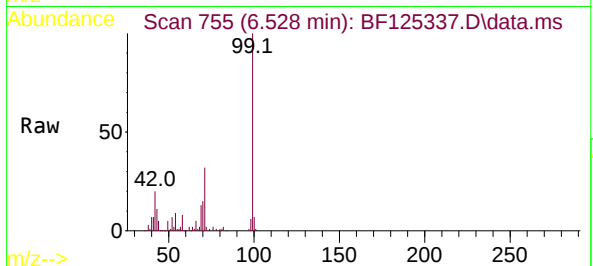




#7
Phenol-d6
Concen: 8.219 ng
RT: 6.528 min Scan# 755
Delta R.T. -0.012 min
Lab File: BF125337.D
Acq: 2 Sep 2021 23:55

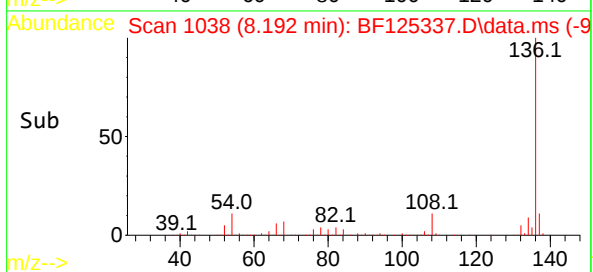
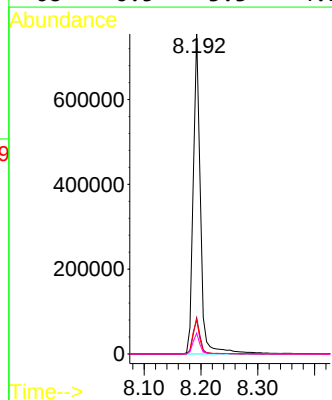
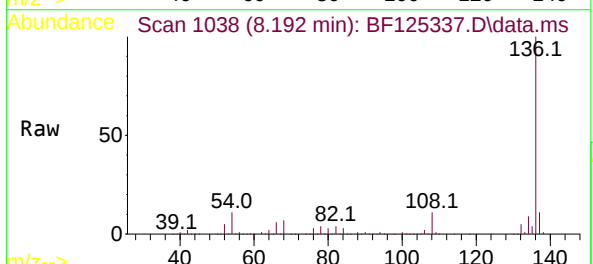
Instrument :
BNA_F
ClientSampleId :
OK-01-090121

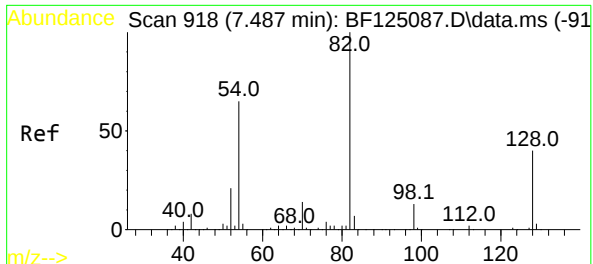
Tgt Ion: 99 Resp: 117349
Ion Ratio Lower Upper
99 100
42 19.8 23.5 35.3#
71 31.8 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1038
Delta R.T. -0.006 min
Lab File: BF125337.D
Acq: 2 Sep 2021 23:55

Tgt Ion: 136 Resp: 667240
Ion Ratio Lower Upper
136 100
137 11.3 9.8 14.6
54 10.7 6.4 9.6#
68 6.5 3.3 4.9#

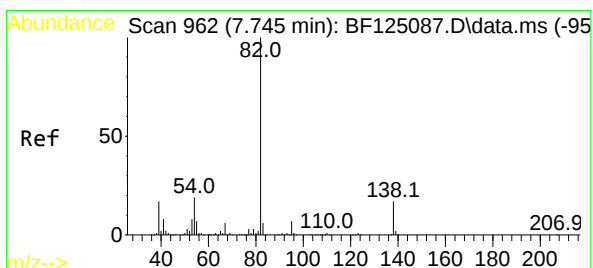
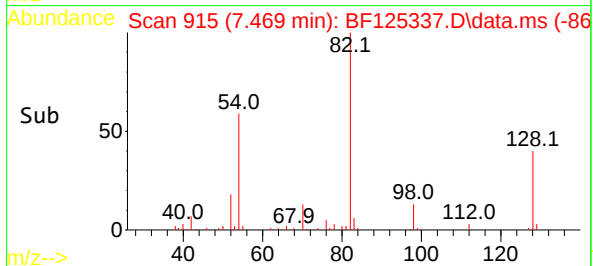
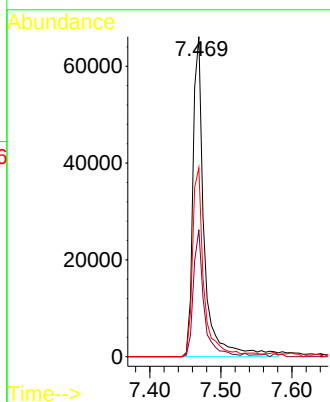
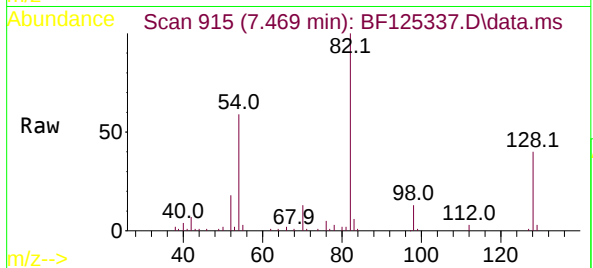




#23
Nitrobenzene-d5
Concen: 5.555 ng
RT: 7.469 min Scan# 915
Delta R.T. -0.012 min
Lab File: BF125337.D
Acq: 2 Sep 2021 23:55

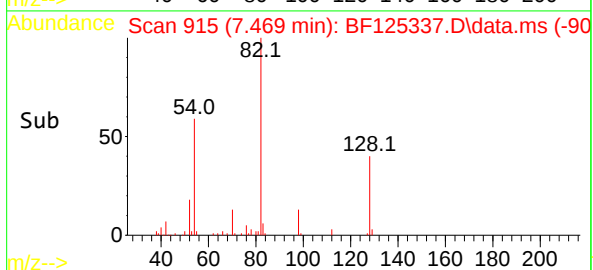
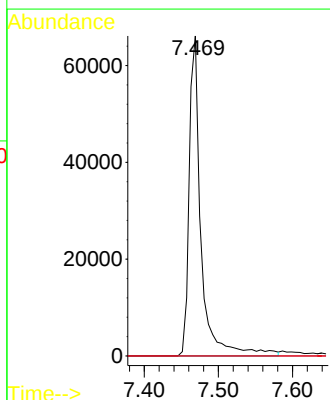
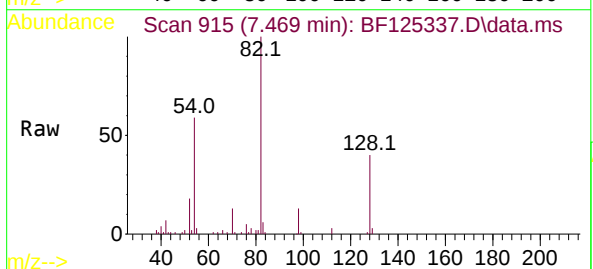
Instrument :
BNA_F
ClientSampleId :
OK-01-090121

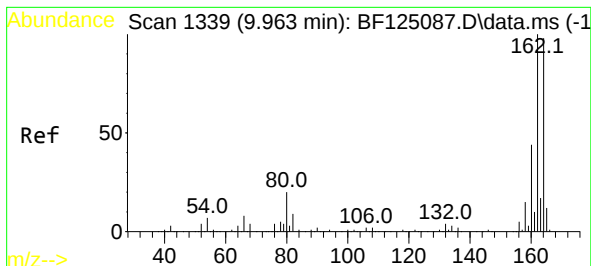
Tgt Ion: 82 Resp: 73618
Ion Ratio Lower Upper
82 100
128 39.6 40.6 60.8#
54 59.1 49.6 74.4



#25
Isophorone
Concen: 2.879 ng
RT: 7.469 min Scan# 915
Delta R.T. -0.265 min
Lab File: BF125337.D
Acq: 2 Sep 2021 23:55

Tgt Ion: 82 Resp: 73617
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#

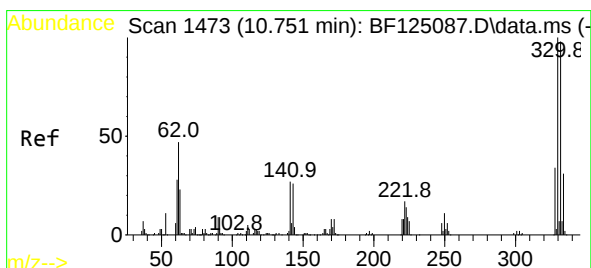
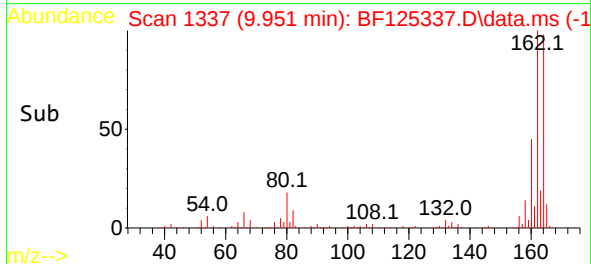
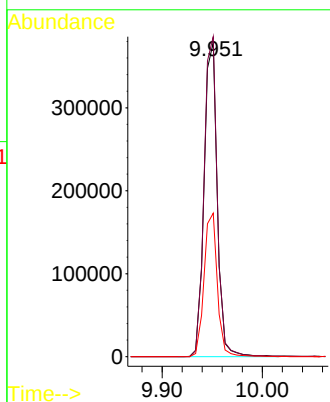
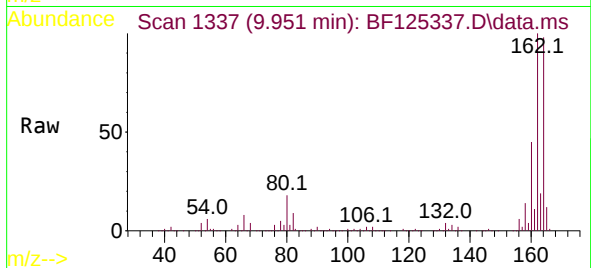




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.951 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BF125337.D
Acq: 2 Sep 2021 23:55

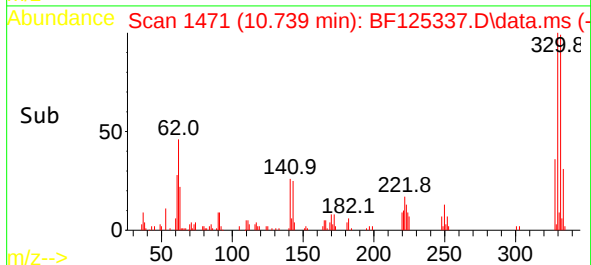
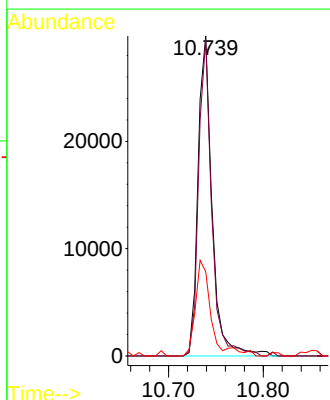
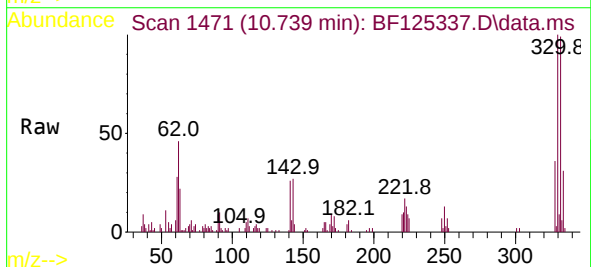
Instrument :
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ClientSampleId :
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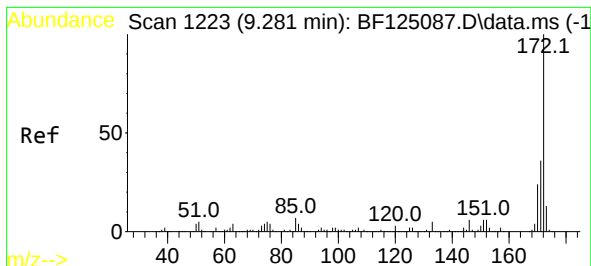
Tgt Ion:164 Resp: 348177
Ion Ratio Lower Upper
164 100
162 101.9 81.3 121.9
160 45.7 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 8.847 ng
RT: 10.739 min Scan# 1471
Delta R.T. 0.000 min
Lab File: BF125337.D
Acq: 2 Sep 2021 23:55

Tgt Ion:330 Resp: 30750
Ion Ratio Lower Upper
330 100
332 92.7 76.2 114.4
141 33.4 44.6 66.8#

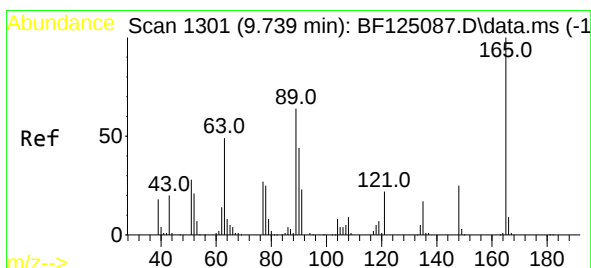
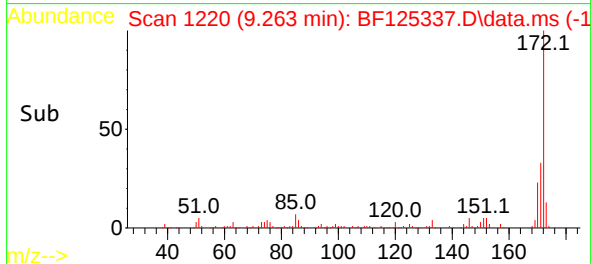
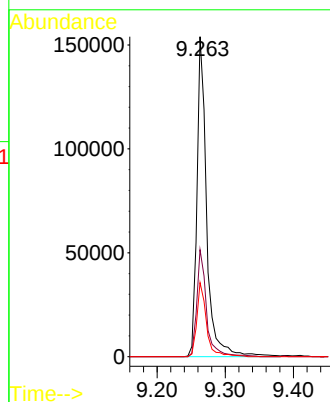
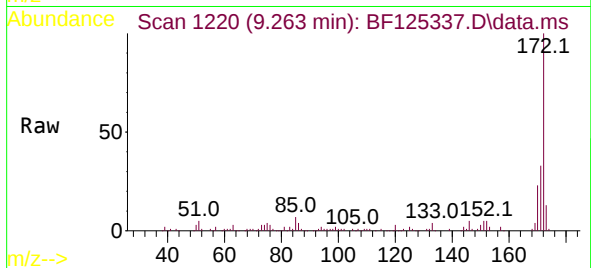




#45
2-Fluorobiphenyl
Concen: 6.119 ng
RT: 9.263 min Scan# 1220
Delta R.T. -0.012 min
Lab File: BF125337.D
Acq: 2 Sep 2021 23:55

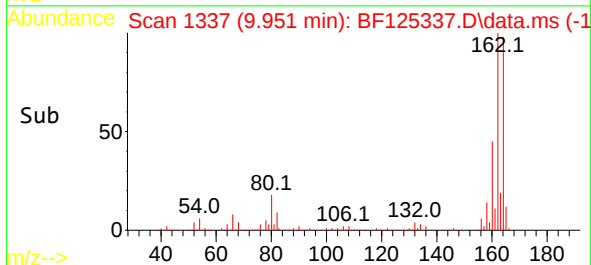
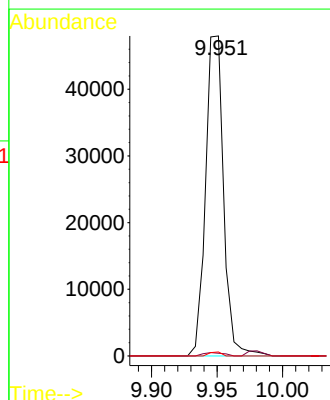
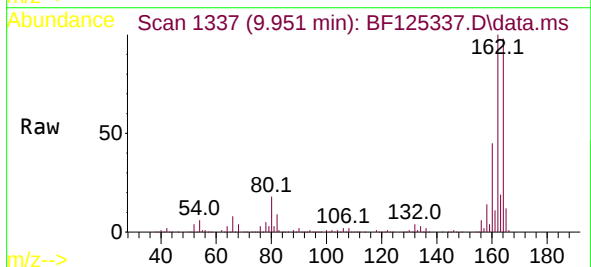
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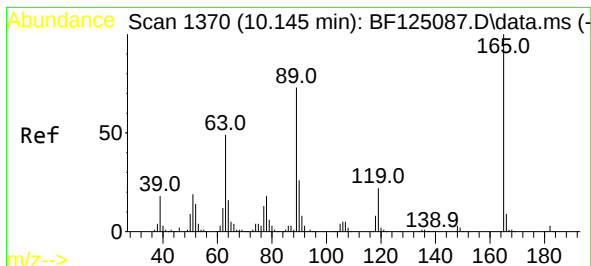
Tgt Ion:172 Resp: 152855
Ion Ratio Lower Upper
172 100
171 33.5 26.5 39.7
170 23.2 18.8 28.2



#51
2,6-Dinitrotoluene
Concen: 8.807 ng
RT: 9.951 min Scan# 1337
Delta R.T. 0.218 min
Lab File: BF125337.D
Acq: 2 Sep 2021 23:55

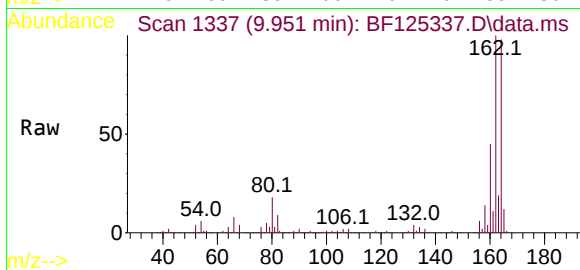
Tgt Ion:165 Resp: 46076
Ion Ratio Lower Upper
165 100
63 0.8 42.6 63.8#
89 1.3 40.6 60.8#



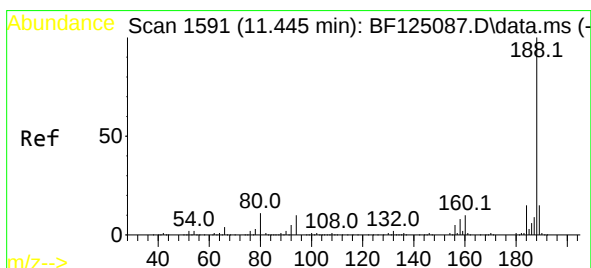
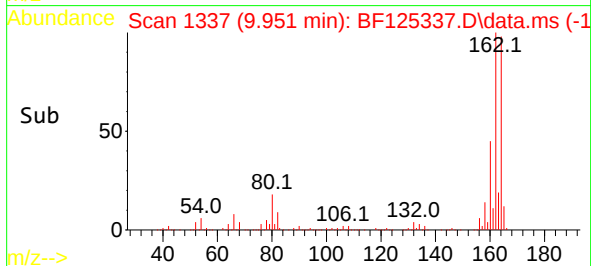
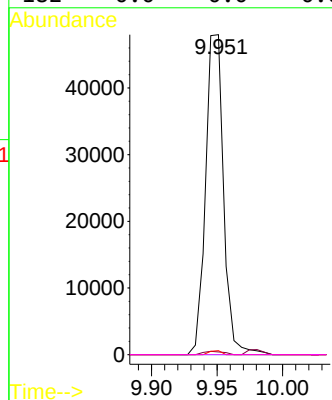


#57
2,4-Dinitrotoluene
Concen: 7.277 ng
RT: 9.951 min Scan# 1337
Delta R.T. -0.182 min
Lab File: BF125337.D
Acq: 2 Sep 2021 23:55

Instrument :
BNA_F
ClientSampleId :
OK-01-090121

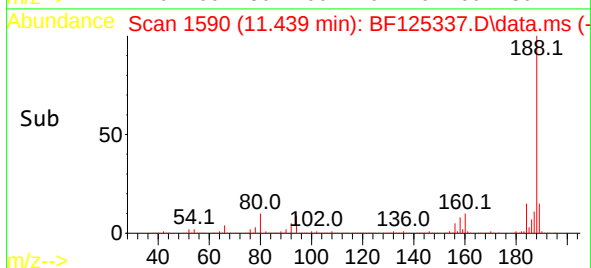
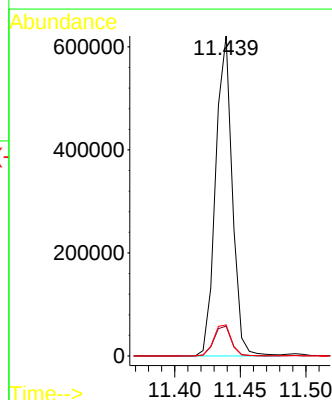
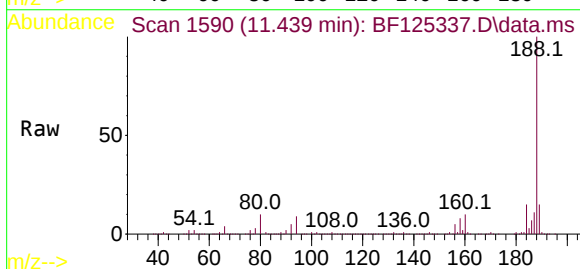


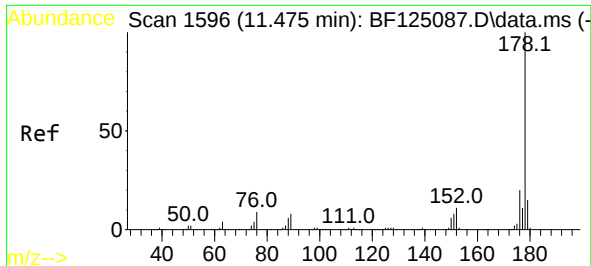
Tgt Ion:165 Resp: 46076
Ion Ratio Lower Upper
165 100
63 0.8 40.9 61.3#
89 1.3 59.7 89.5#
182 0.0 0.0 0.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.439 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BF125337.D
Acq: 2 Sep 2021 23:55

Tgt Ion:188 Resp: 548358
Ion Ratio Lower Upper
188 100
94 9.3 6.7 10.1
80 9.7 7.5 11.3

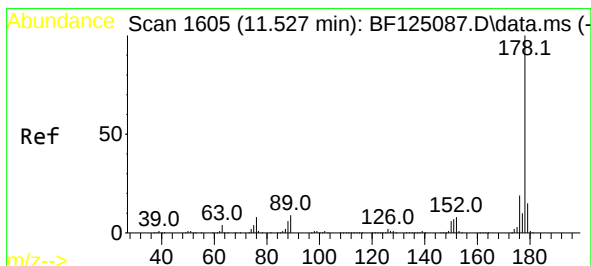
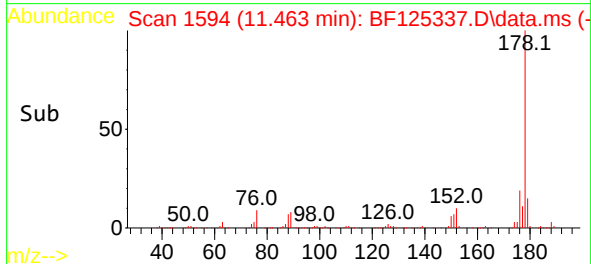
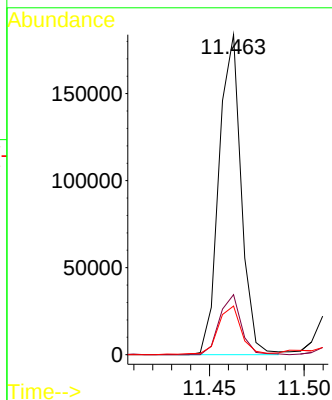
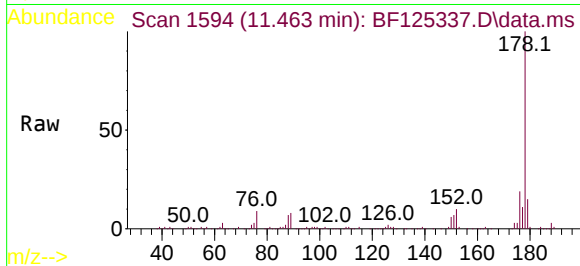




#71
Phenanthrene
Concen: 4.962 ng
RT: 11.463 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BF125337.D
Acq: 2 Sep 2021 23:55

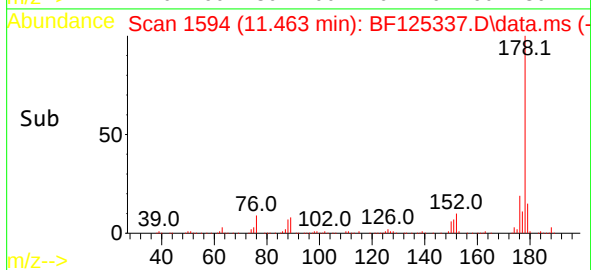
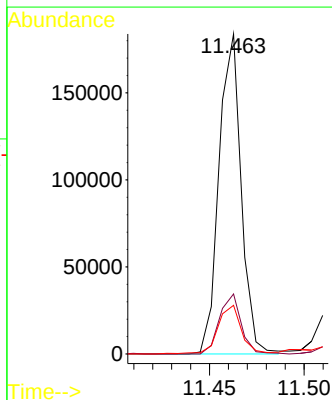
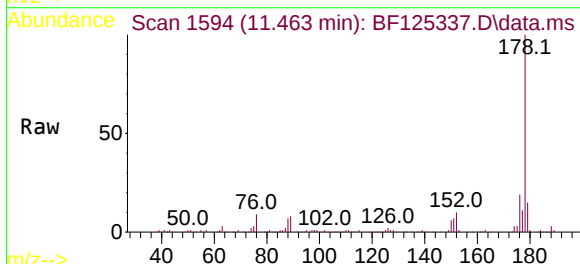
Instrument :
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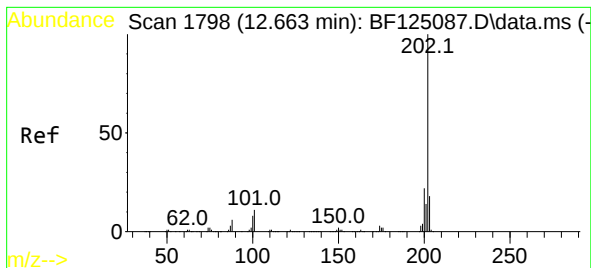
Tgt Ion:178 Resp: 149911
Ion Ratio Lower Upper
178 100
176 18.8 14.7 22.1
179 15.2 11.5 17.3



#72
Anthracene
Concen: 5.034 ng
RT: 11.463 min Scan# 1594
Delta R.T. -0.053 min
Lab File: BF125337.D
Acq: 2 Sep 2021 23:55

Tgt Ion:178 Resp: 149911
Ion Ratio Lower Upper
178 100
176 18.8 14.3 21.5
179 15.2 12.2 18.4

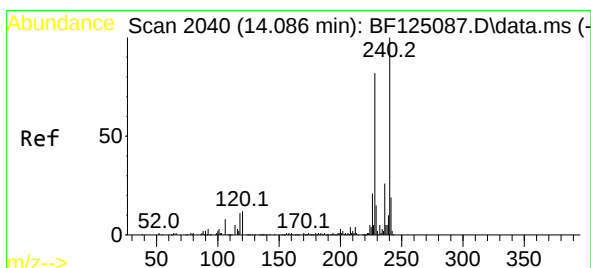
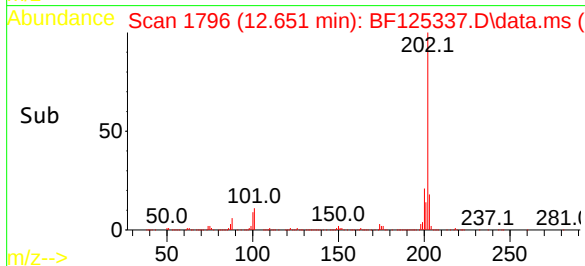
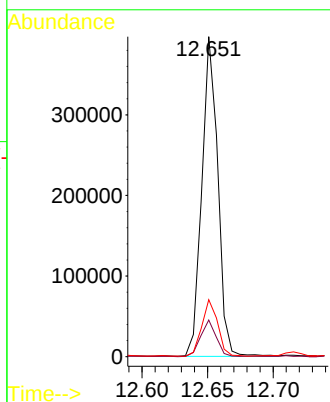
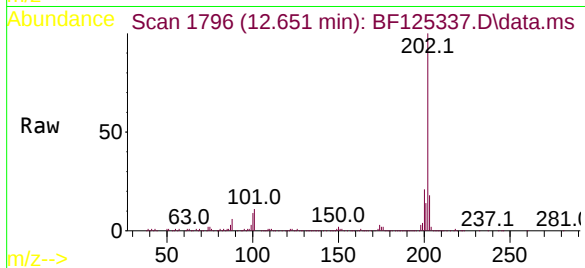




#75
Fluoranthene
Concen: 11.252 ng
RT: 12.651 min Scan# 1796
Delta R.T. 0.000 min
Lab File: BF125337.D
Acq: 2 Sep 2021 23:55

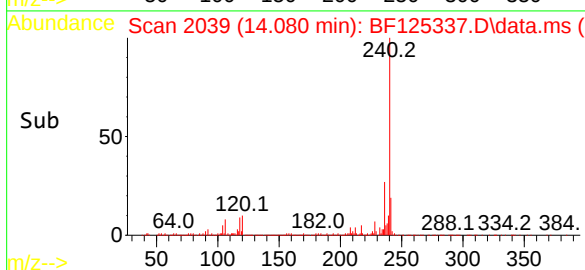
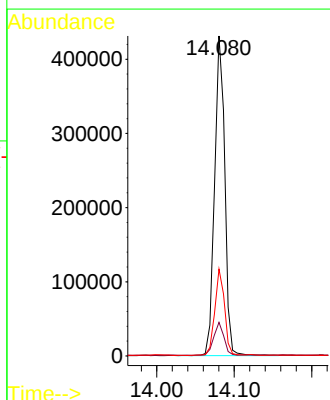
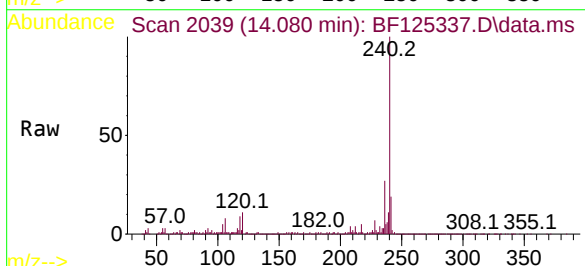
Instrument :
BNA_F
ClientSampleId :
OK-01-090121

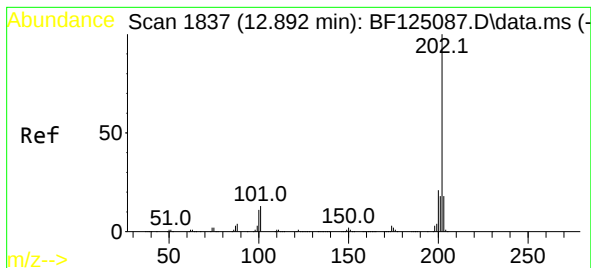
Tgt Ion:202 Resp: 337337
Ion Ratio Lower Upper
202 100
101 11.5 0.0 30.7
203 17.8 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2039
Delta R.T. 0.000 min
Lab File: BF125337.D
Acq: 2 Sep 2021 23:55

Tgt Ion:240 Resp: 393404
Ion Ratio Lower Upper
240 100
120 10.5 10.8 16.2#
236 27.1 21.6 32.4





#78

Pyrene

Concen: 7.821 ng

RT: 12.880 min Scan# 1835

Delta R.T. -0.006 min

Lab File: BF125337.D

Acq: 2 Sep 2021 23:55

Instrument :

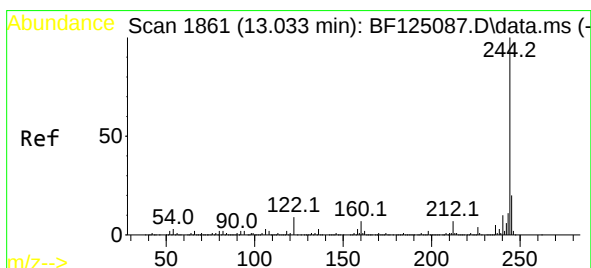
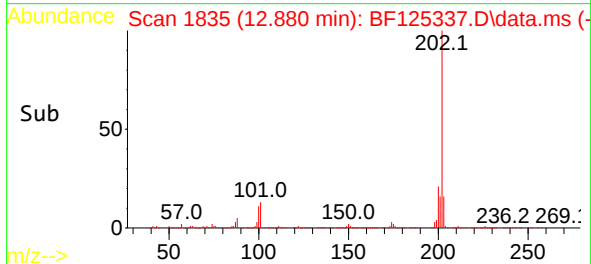
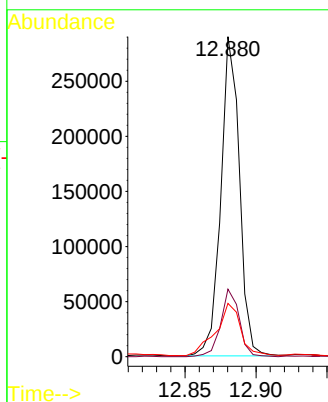
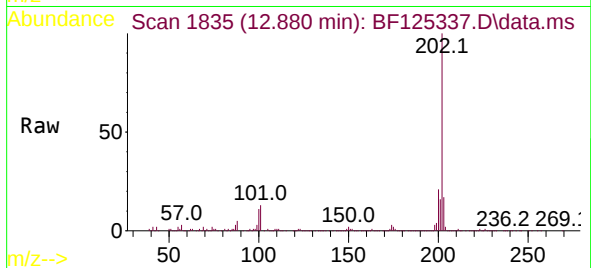
BNA_F

ClientSampleId :

OK-01-090121

Tgt Ion:202 Resp: 263922

Ion	Ratio	Lower	Upper
202	100		
200	21.1	15.3	22.9
203	16.7	13.4	20.0



#79

Terphenyl-d14

Concen: 4.996 ng

RT: 13.021 min Scan# 1859

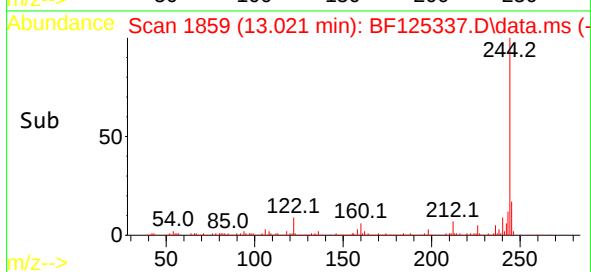
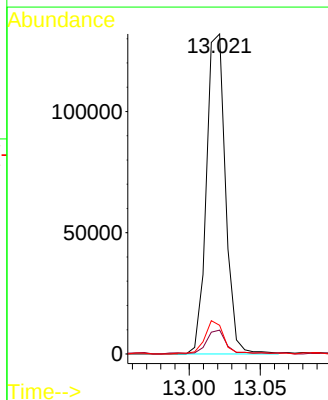
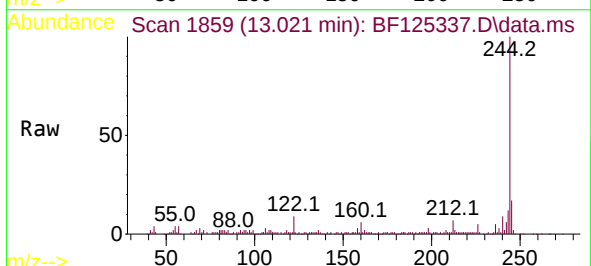
Delta R.T. 0.000 min

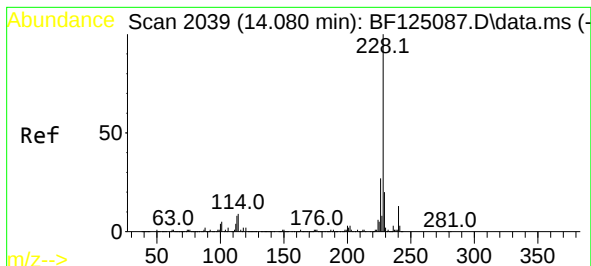
Lab File: BF125337.D

Acq: 2 Sep 2021 23:55

Tgt Ion:244 Resp: 123369

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.9	8.9
122	8.9	9.0	13.4

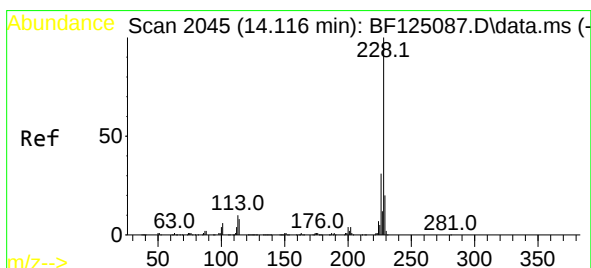
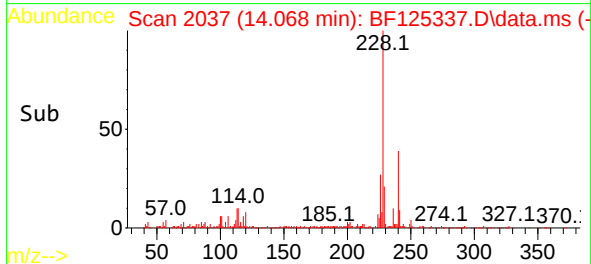
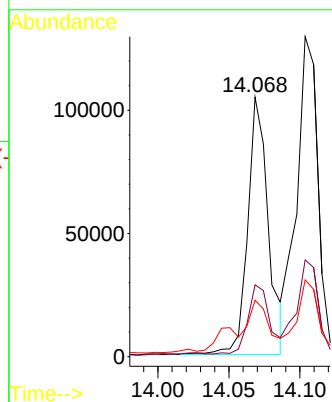
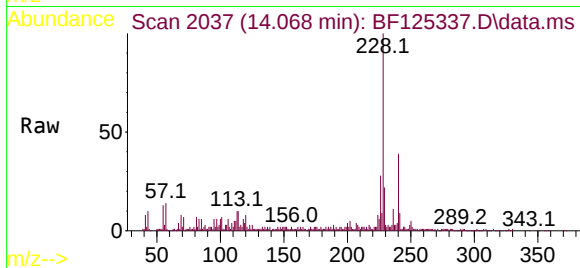




#81
Benzo(a)anthracene
Concen: 3.727 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.000 min
Lab File: BF125337.D
Acq: 2 Sep 2021 23:55

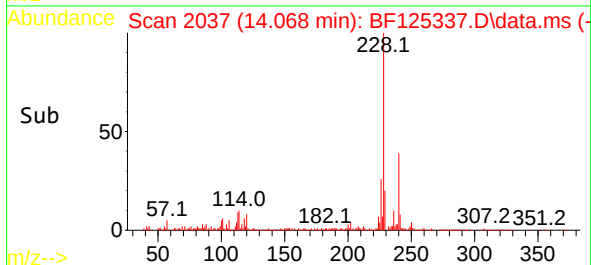
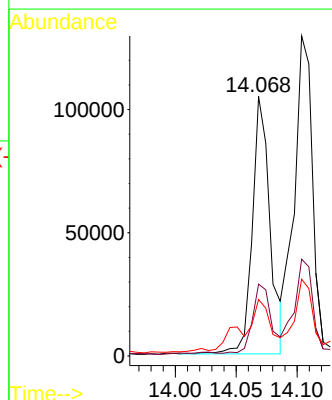
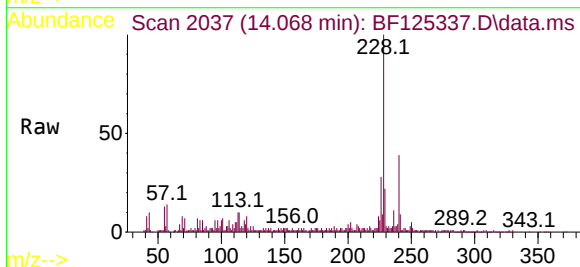
Instrument :
BNA_F
ClientSampleId :
OK-01-090121

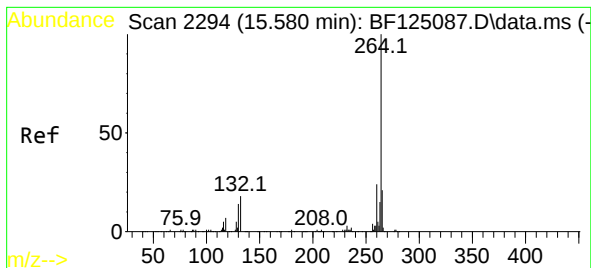
Tgt Ion:228 Resp: 105639
Ion Ratio Lower Upper
228 100
226 27.7 21.6 32.4
229 21.8 15.6 23.4



#83
Chrysene
Concen: 3.766 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.041 min
Lab File: BF125337.D
Acq: 2 Sep 2021 23:55

Tgt Ion:228 Resp: 105568
Ion Ratio Lower Upper
228 100
226 27.7 22.6 34.0
229 21.8 15.9 23.9

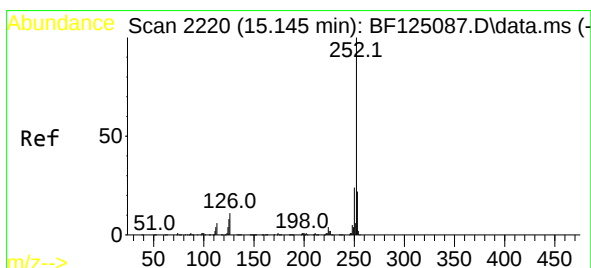
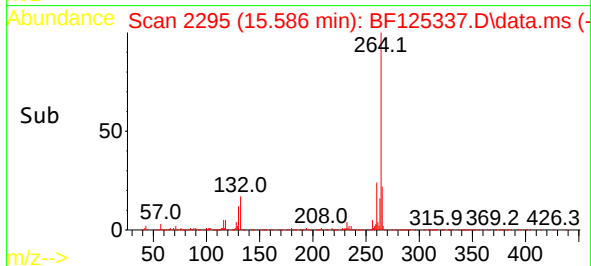
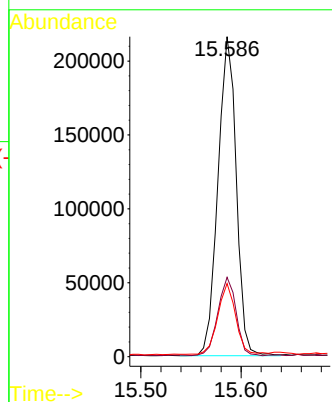
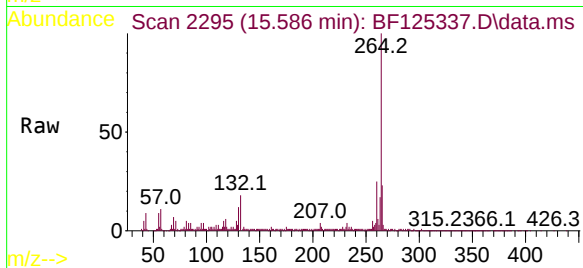




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.586 min Scan# 2295
Delta R.T. 0.012 min
Lab File: BF125337.D
Acq: 2 Sep 2021 23:55

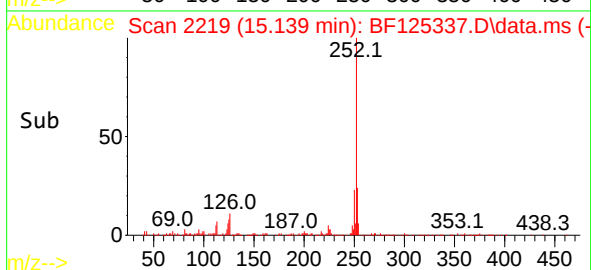
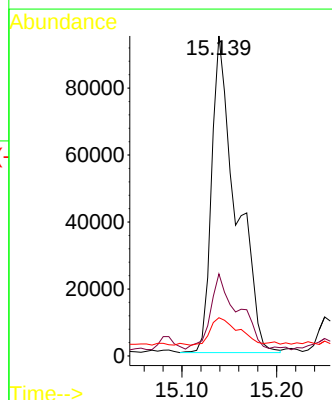
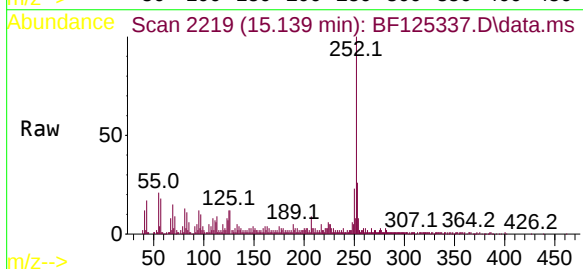
Instrument :
BNA_F
ClientSampleId :
OK-01-090121

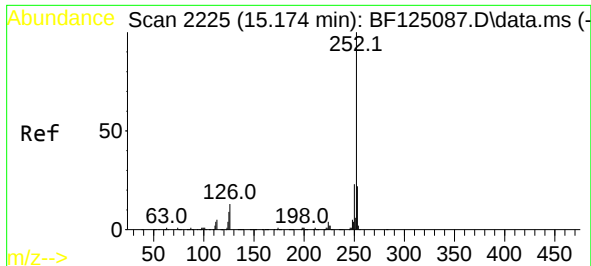
Tgt Ion:264 Resp: 273745
Ion Ratio Lower Upper
264 100
260 24.8 19.6 29.4
265 22.9 17.2 25.8



#88
Benzo(b)fluoranthene
Concen: 8.497 ng
RT: 15.139 min Scan# 2219
Delta R.T. 0.006 min
Lab File: BF125337.D
Acq: 2 Sep 2021 23:55

Tgt Ion:252 Resp: 169941
Ion Ratio Lower Upper
252 100
253 25.6 16.8 25.2#
125 12.0 9.8 14.8





#89

Benzo(k)fluoranthene

Concen: 9.106 ng

RT: 15.139 min Scan# 2219

Delta R.T. -0.029 min

Lab File: BF125337.D

Acq: 2 Sep 2021 23:55

Instrument :

BNA_F

ClientSampleId :

OK-01-090121

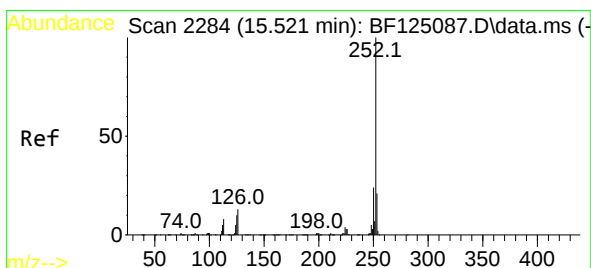
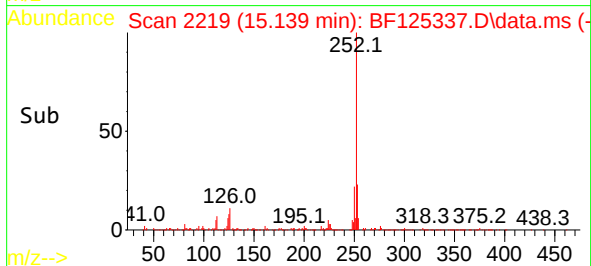
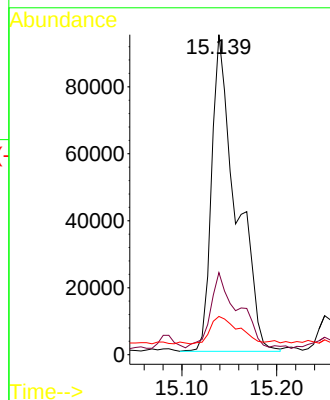
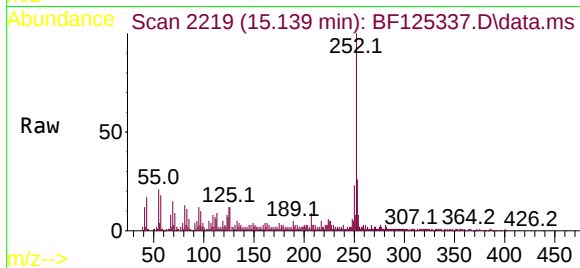
Tgt Ion:252 Resp: 169941

Ion Ratio Lower Upper

252 100

253 25.6 17.8 26.8

125 12.0 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 4.092 ng

RT: 15.521 min Scan# 2284

Delta R.T. 0.006 min

Lab File: BF125337.D

Acq: 2 Sep 2021 23:55

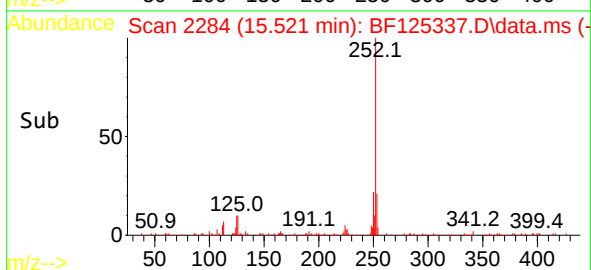
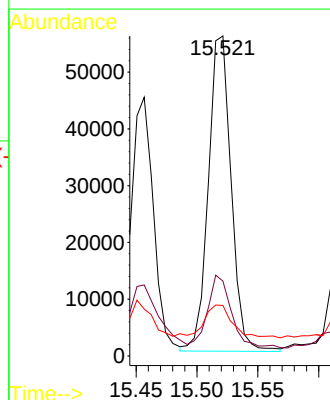
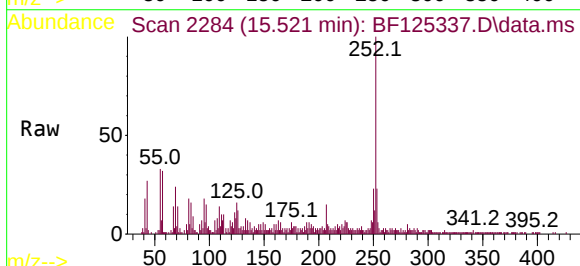
Tgt Ion:252 Resp: 72294

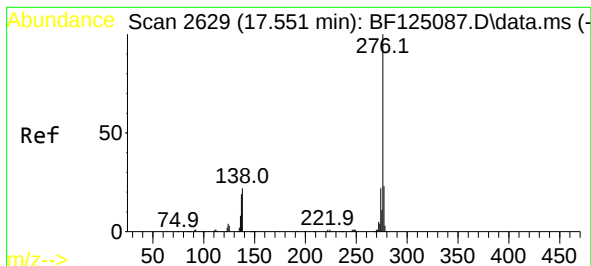
Ion Ratio Lower Upper

252 100

253 23.4 18.4 27.6

125 15.8 9.9 14.9#





#92

Benzo(g,h,i)perylene

Concen: 2.314 ng

RT: 17.562 min Scan# 2631

Delta R.T. 0.012 min

Lab File: BF125337.D

Acq: 2 Sep 2021 23:55

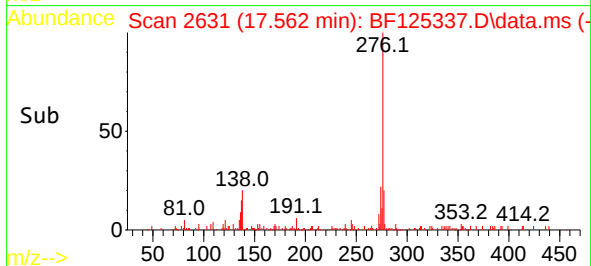
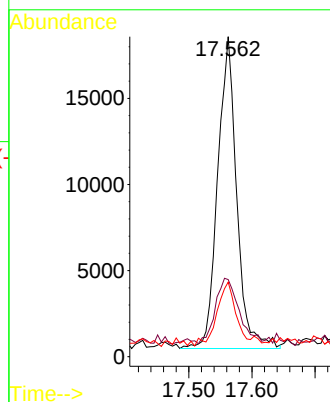
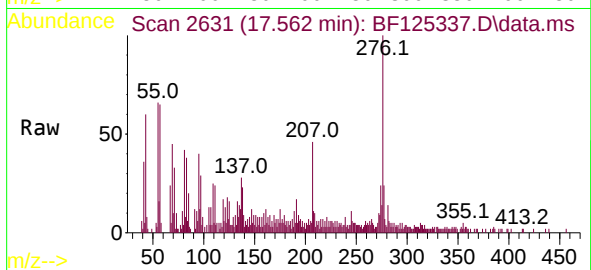
Tgt Ion:276 Resp: 38034

Ion Ratio Lower Upper

276 100

277 24.1 22.0 33.0

138 23.3 22.2 33.4



Instrument :

BNA_F

ClientSampleId :

OK-01-090121