

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091021\
 Data File : BF125435.D
 Acq On : 10 Sep 2021 21:14
 Operator : JU/CG
 Sample : M3681-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-090921

Quant Time: Sep 11 01:08:31 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 08 14:14:01 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

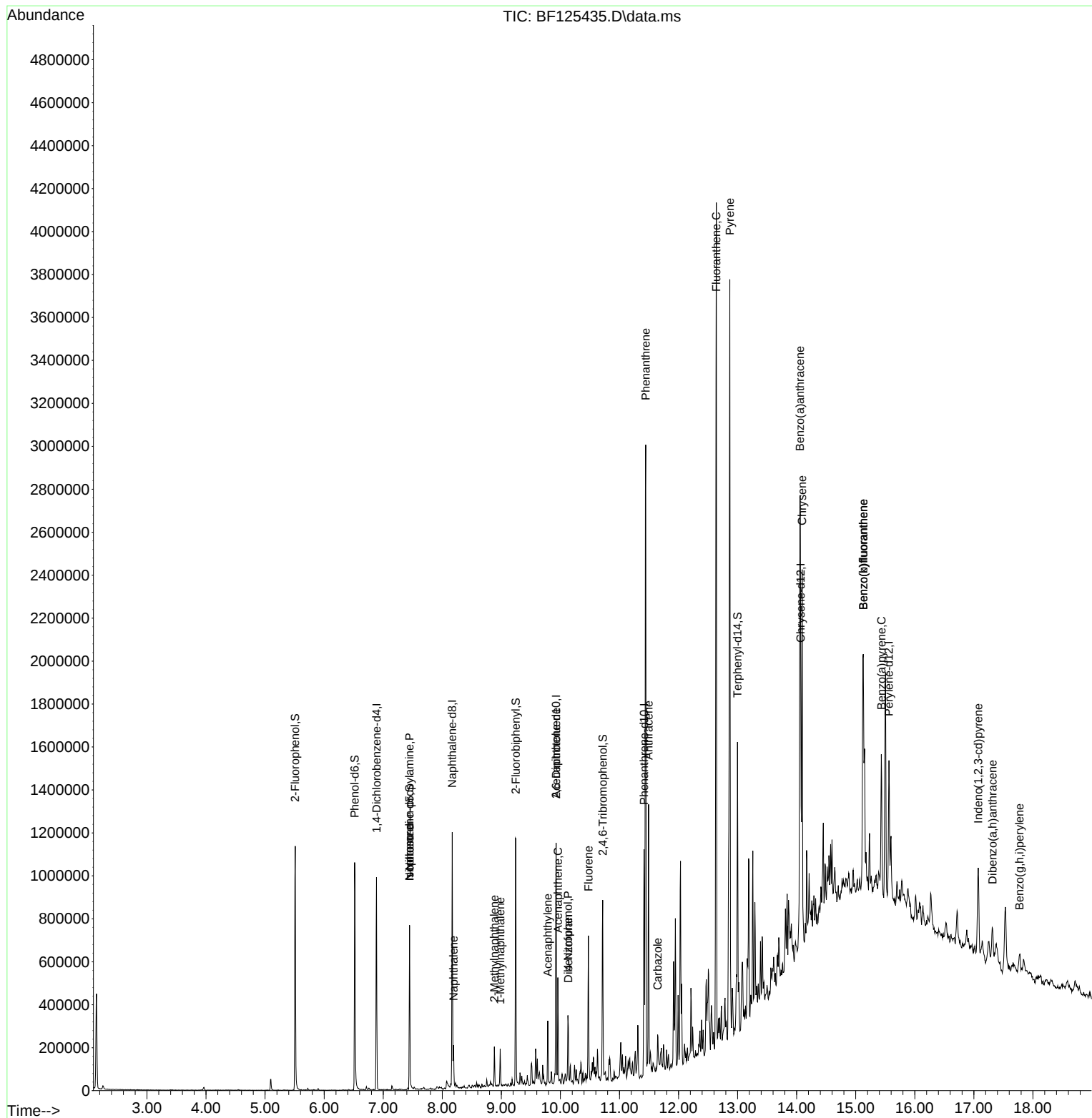
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	135350	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	457230	20.000	ng	# 0.00
39) Acenaphthene-d10	9.928	164	223910	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	403383	20.000	ng	0.00
76) Chrysene-d12	14.069	240	319648	20.000	ng	# 0.00
86) Perylene-d12	15.563	264	254353	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	295212	33.013	ng	0.00
7) Phenol-d6	6.516	99	355347	30.726	ng	-0.01
23) Nitrobenzene-d5	7.445	82	213814	23.542	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	87422	39.113	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	384953	23.961	ng	0.00
79) Terphenyl-d14	12.998	244	426732	21.268	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	28694	4.125	ng	# 58
25) Isophorone	7.445	82	213809	12.203	ng	# 59
31) Naphthalene	8.192	128	74584	3.185	ng	97
37) 2-Methylnaphthalene	8.881	142	48418	3.129	ng	91
38) 1-Methylnaphthalene	8.981	142	41461	2.869	ng	96
49) Acenaphthylene	9.786	152	100044	4.680	ng	98
51) 2,6-Dinitrotoluene	9.928	165	30815	9.159	ng	# 28
52) Acenaphthene	9.957	154	90889	6.859	ng	95
55) Dibenzofuran	10.133	168	101052	5.299	ng	92
56) 4-Nitrophenol	10.128	139	37442	13.031	ng	# 13
58) Fluorene	10.475	166	177020	12.555	ng	100
71) Phenanthrene	11.445	178	1144706	51.502	ng	97
72) Anthracene	11.492	178	436646	19.931	ng	99
73) Carbazole	11.645	167	58276	2.911	ng	98
75) Fluoranthene	12.639	202	1675650	75.978	ng	96
78) Pyrene	12.869	202	1540127	56.169	ng	96
81) Benzo(a)anthracene	14.057	228	824635	35.805	ng	94
83) Chrysene	14.092	228	709418	31.147	ng	95
87) Indeno(1,2,3-cd)pyrene	17.074	276	281543	15.365	ng	# 87
88) Benzo(b)fluoranthene	15.127	252	1009233	54.311	ng	# 92
89) Benzo(k)fluoranthene	15.127	252	1009233	58.202	ng	96
90) Benzo(a)pyrene	15.433	252	324368	19.761	ng	98
91) Dibenzo(a,h)anthracene	17.315	278	35716	2.255	ng	94
92) Benzo(g,h,i)perylene	17.774	276	78750	5.156	ng	97

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

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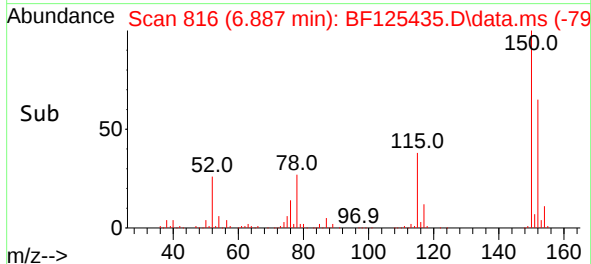
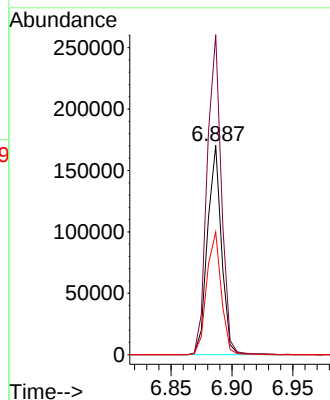
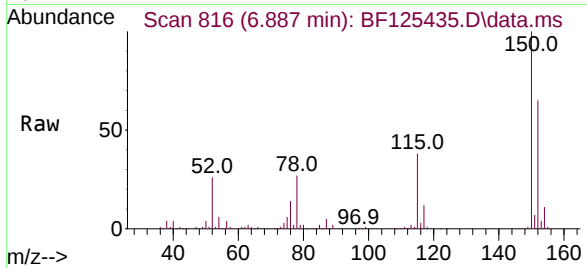




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.887 min Scan# 816
 Delta R.T. 0.001 min
 Lab File: BF125435.D
 Acq: 10 Sep 2021 21:14

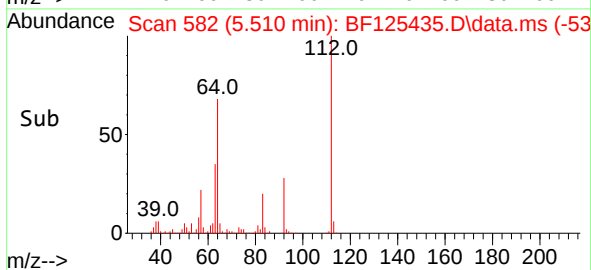
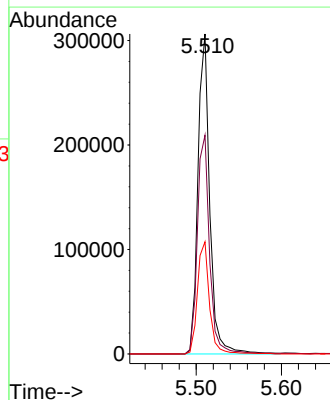
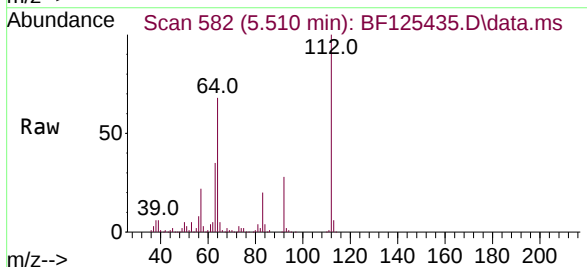
Instrument :
 BNA_F
 ClientSampleId :
 OK-03-090921

Tgt Ion:152 Resp: 135350
 Ion Ratio Lower Upper
 152 100
 150 152.9 117.6 176.4
 115 58.6 47.1 70.7



#5
 2-Fluorophenol
 Concen: 33.013 ng
 RT: 5.510 min Scan# 582
 Delta R.T. 0.000 min
 Lab File: BF125435.D
 Acq: 10 Sep 2021 21:14

Tgt Ion:112 Resp: 295212
 Ion Ratio Lower Upper
 112 100
 64 68.3 44.2 66.2#
 63 35.1 26.2 39.2

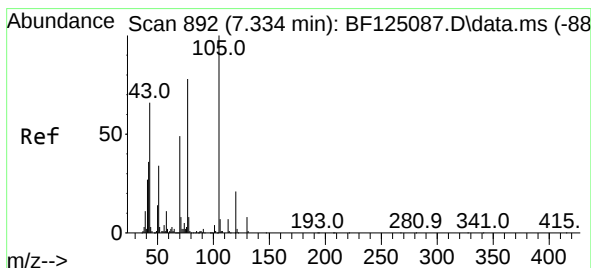
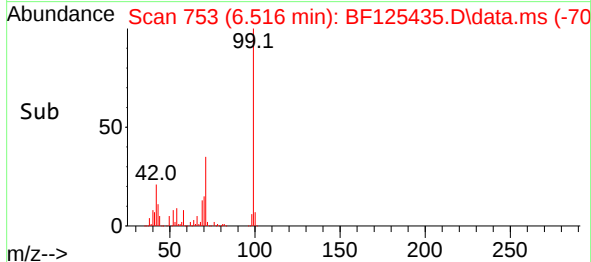
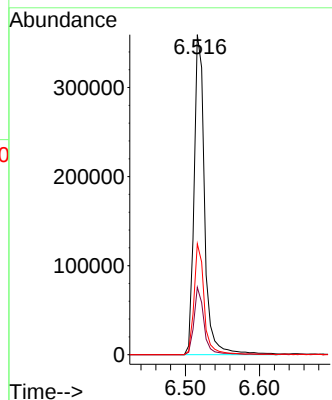
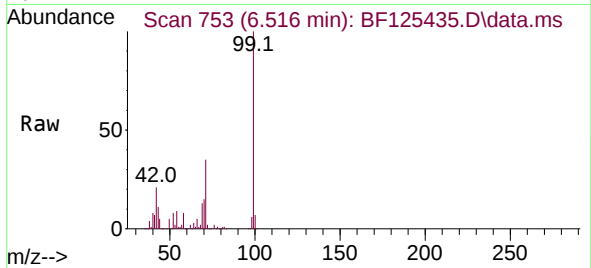




#7
Phenol-d6
Concen: 30.726 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.012 min
Lab File: BF125435.D
Acq: 10 Sep 2021 21:14

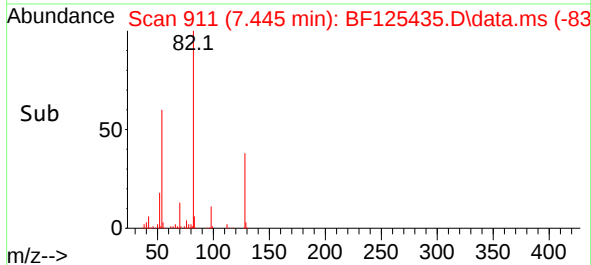
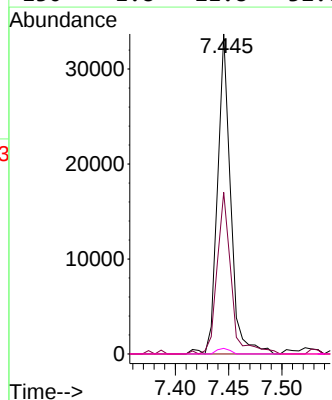
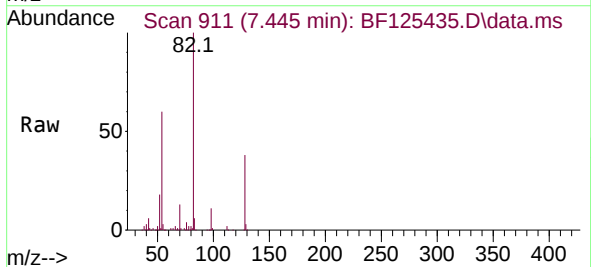
Instrument :
BNA_F
ClientSampleId :
OK-03-090921

Tgt Ion: 99 Resp: 355347
Ion Ratio Lower Upper
99 100
42 21.0 23.5 35.3#
71 34.7 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 4.125 ng
RT: 7.445 min Scan# 911
Delta R.T. 0.141 min
Lab File: BF125435.D
Acq: 10 Sep 2021 21:14

Tgt Ion: 70 Resp: 28694
Ion Ratio Lower Upper
70 100
42 50.5 72.2 108.2#
101 0.0 7.8 11.8#
130 1.8 21.8 32.6#

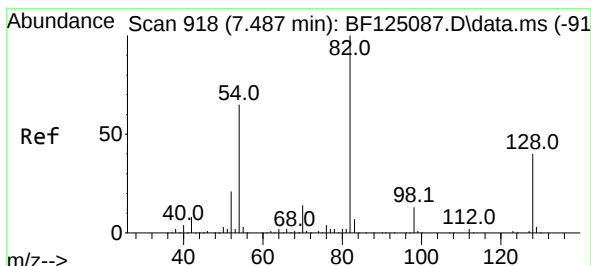
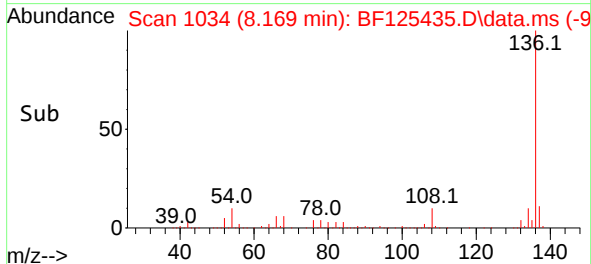
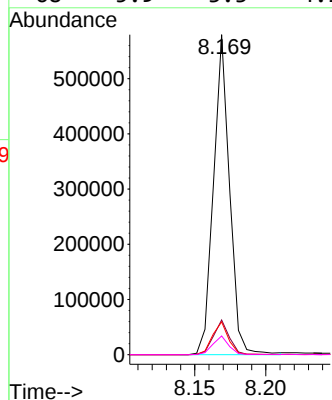
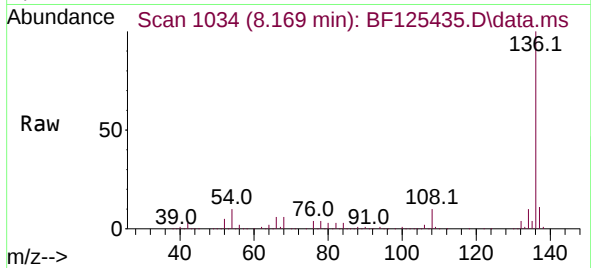




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF125435.D
Acq: 10 Sep 2021 21:14

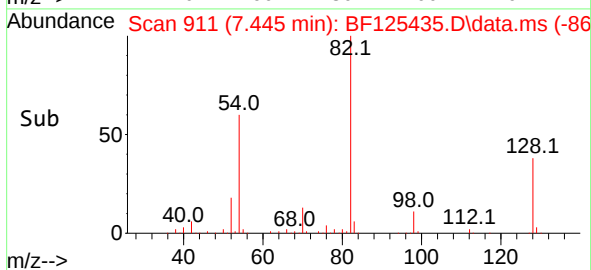
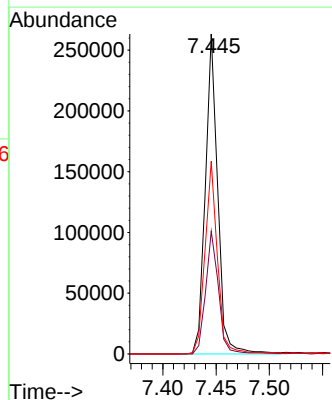
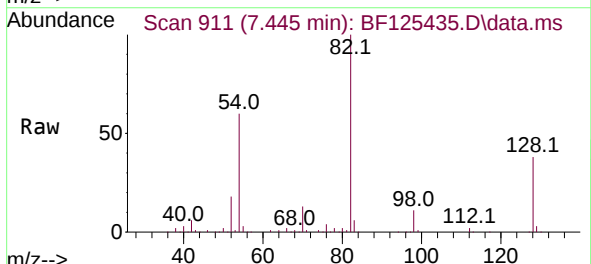
Instrument :
BNA_F
ClientSampleId :
OK-03-090921

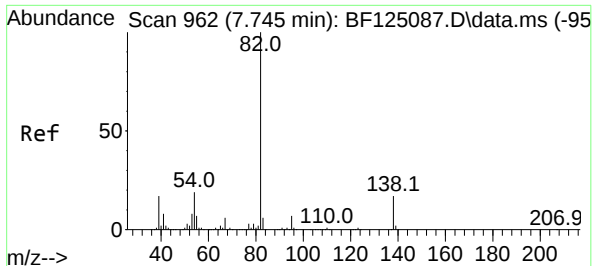
Tgt Ion:136	Resp: 457230
Ion Ratio	Lower Upper
136 100	
137 10.8	9.8 14.6
54 10.2	6.4 9.6#
68 5.9	3.3 4.9#



#23
Nitrobenzene-d5
Concen: 23.542 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF125435.D
Acq: 10 Sep 2021 21:14

Tgt Ion: 82	Resp: 213814
Ion Ratio	Lower Upper
82 100	
128 38.3	40.6 60.8#
54 60.2	49.6 74.4

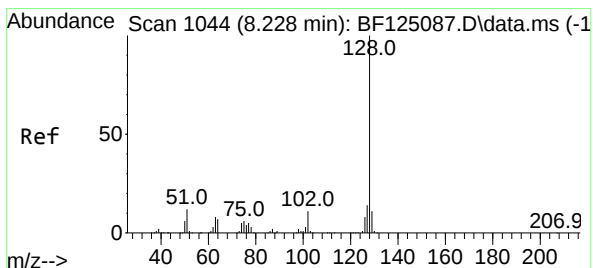
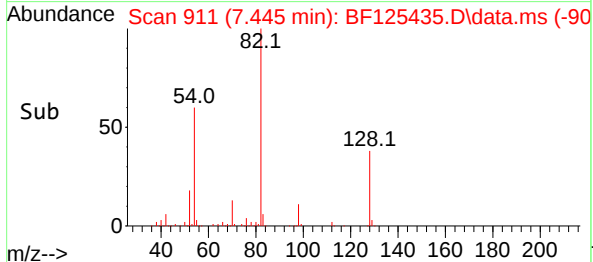
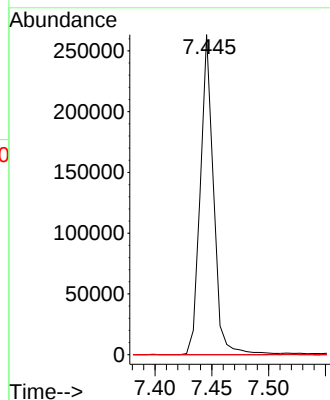
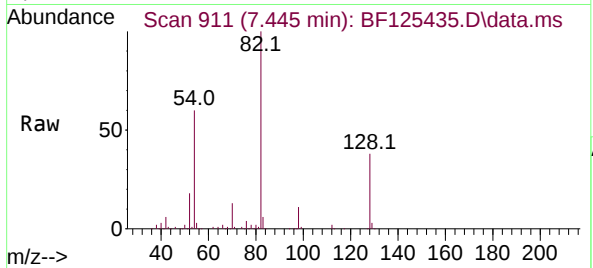




#25
Isophorone
Concen: 12.203 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.264 min
Lab File: BF125435.D
Acq: 10 Sep 2021 21:14

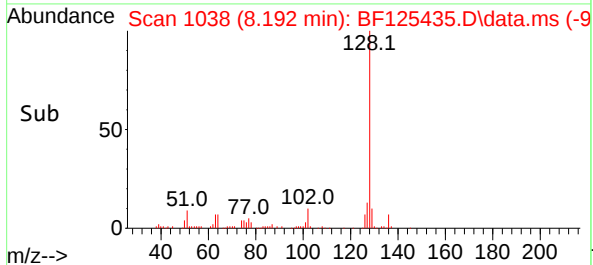
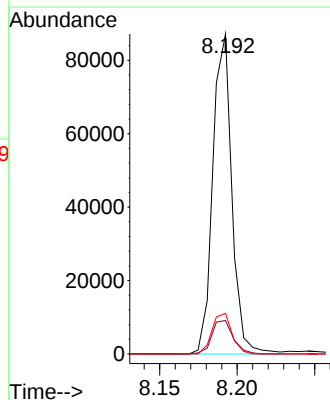
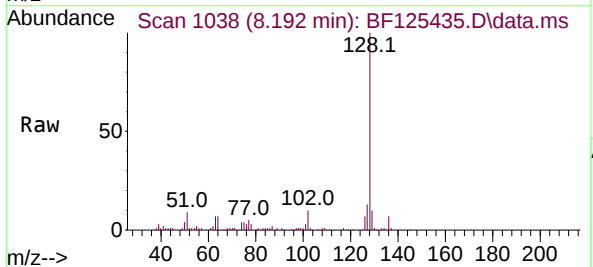
Instrument :
BNA_F
ClientSampleId :
OK-03-090921

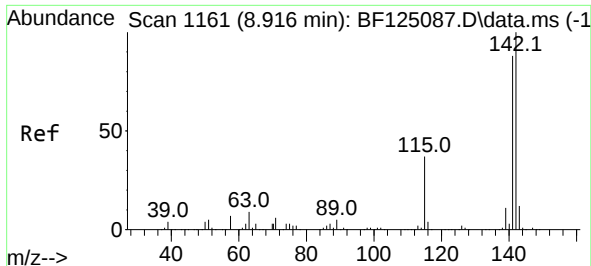
Tgt Ion: 82 Resp: 213809
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#31
Naphthalene
Concen: 3.185 ng
RT: 8.192 min Scan# 1038
Delta R.T. 0.000 min
Lab File: BF125435.D
Acq: 10 Sep 2021 21:14

Tgt Ion: 128 Resp: 74584
Ion Ratio Lower Upper
128 100
129 10.5 9.4 14.0
127 12.7 10.9 16.3

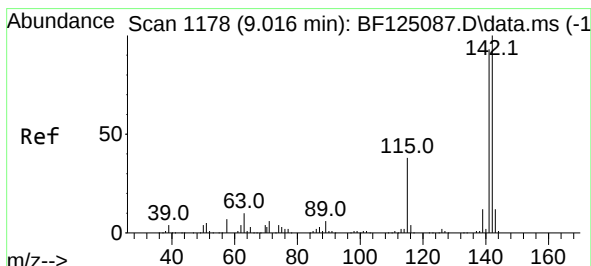
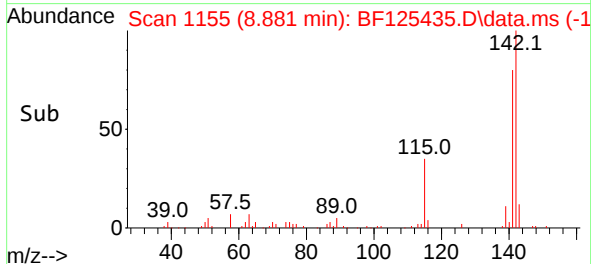
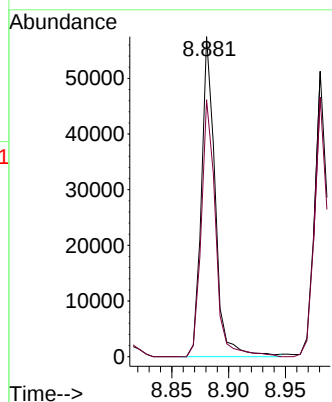
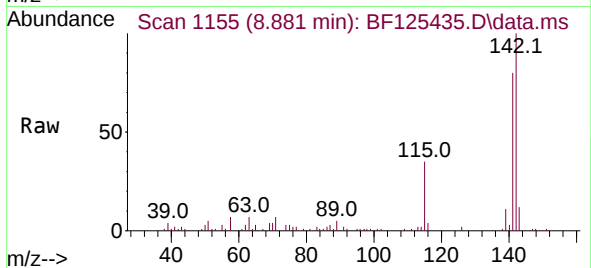




#37
2-Methylnaphthalene
Concen: 3.129 ng
RT: 8.881 min Scan# 1155
Delta R.T. -0.006 min
Lab File: BF125435.D
Acq: 10 Sep 2021 21:14

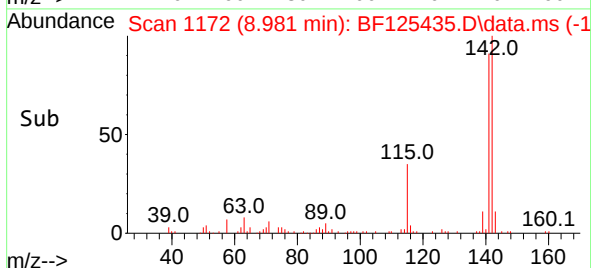
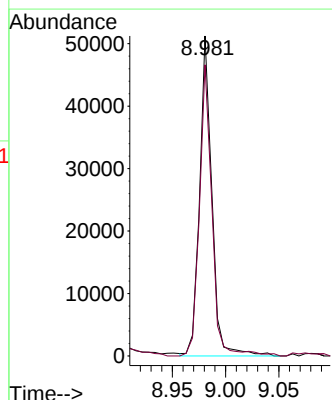
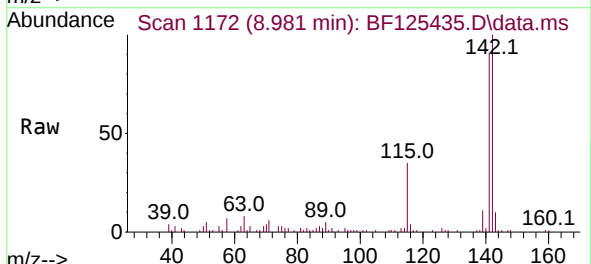
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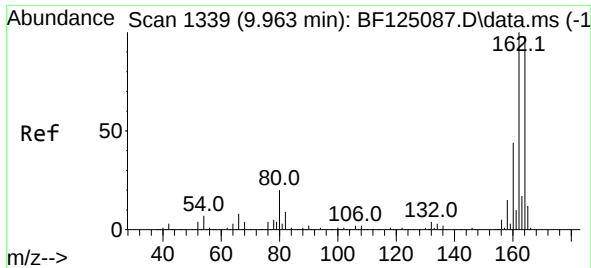
Tgt Ion:142 Resp: 48418
Ion Ratio Lower Upper
142 100
141 80.3 71.2 106.8



#38
1-Methylnaphthalene
Concen: 2.869 ng
RT: 8.981 min Scan# 1172
Delta R.T. -0.006 min
Lab File: BF125435.D
Acq: 10 Sep 2021 21:14

Tgt Ion:142 Resp: 41461
Ion Ratio Lower Upper
142 100
141 91.0 76.0 114.0

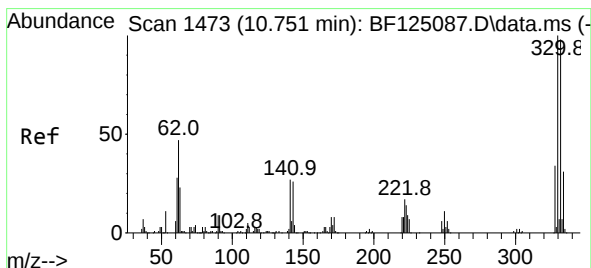
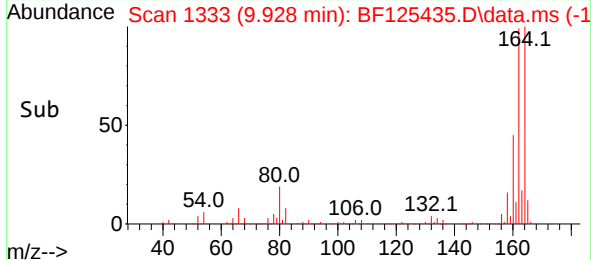
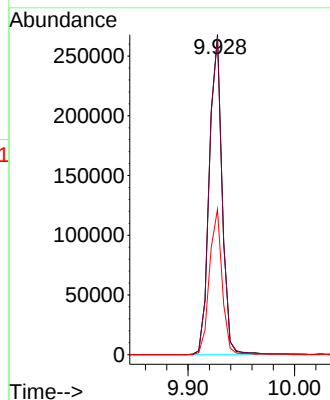
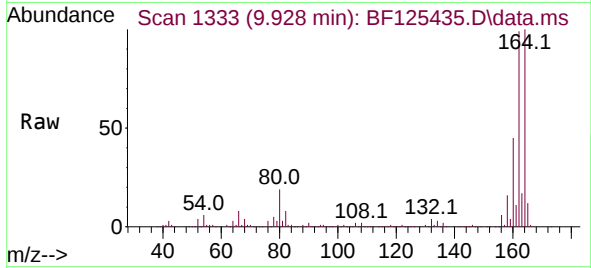




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF125435.D
Acq: 10 Sep 2021 21:14

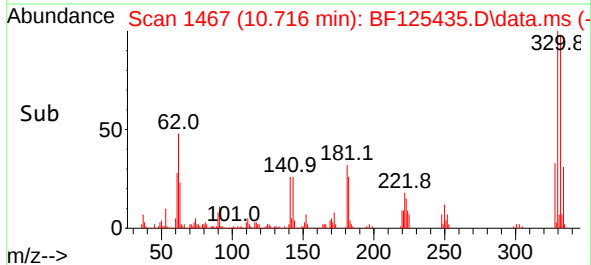
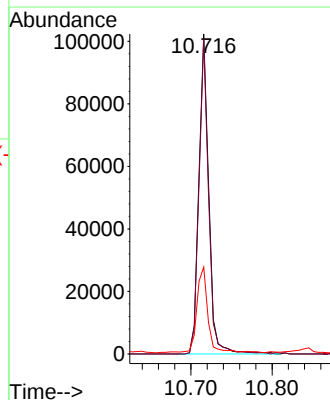
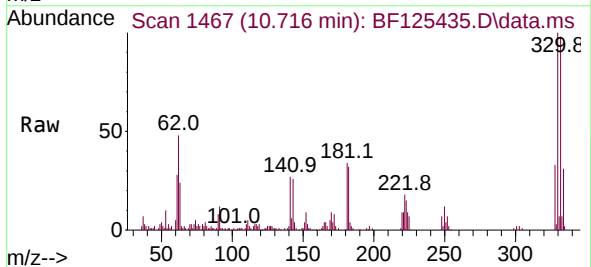
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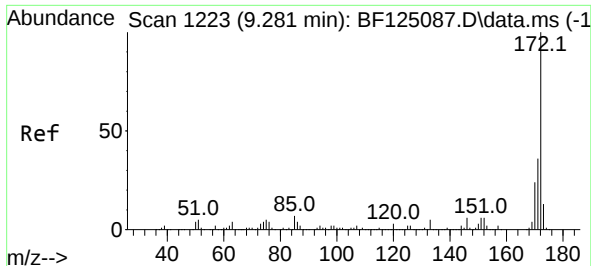
Tgt Ion:164 Resp: 223910
Ion Ratio Lower Upper
164 100
162 99.2 81.3 121.9
160 45.5 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 39.113 ng
RT: 10.716 min Scan# 1467
Delta R.T. -0.006 min
Lab File: BF125435.D
Acq: 10 Sep 2021 21:14

Tgt Ion:330 Resp: 87422
Ion Ratio Lower Upper
330 100
332 95.8 76.2 114.4
141 29.8 44.6 66.8#

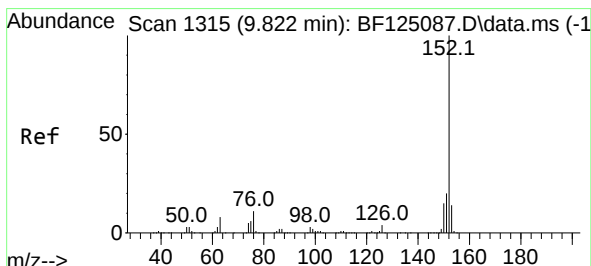
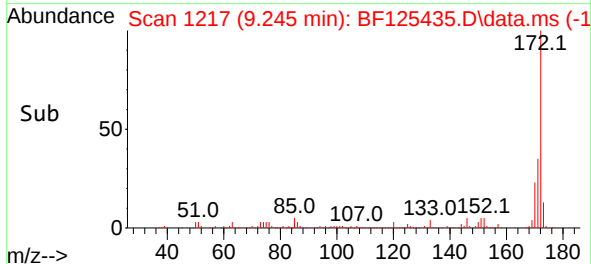
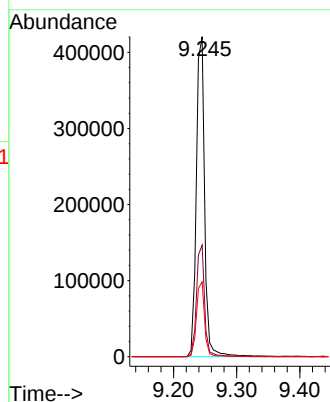
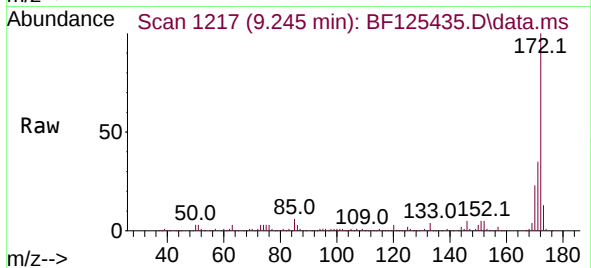




#45
2-Fluorobiphenyl
Concen: 23.961 ng
RT: 9.245 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF125435.D
Acq: 10 Sep 2021 21:14

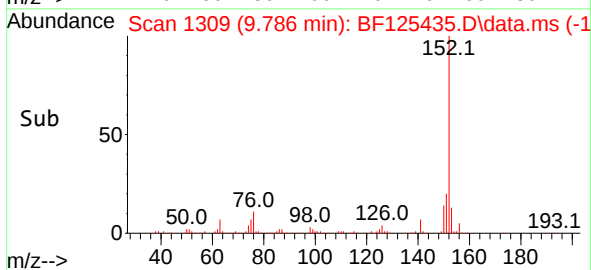
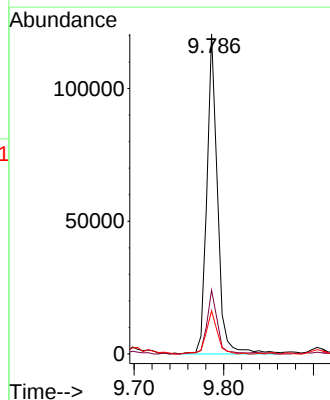
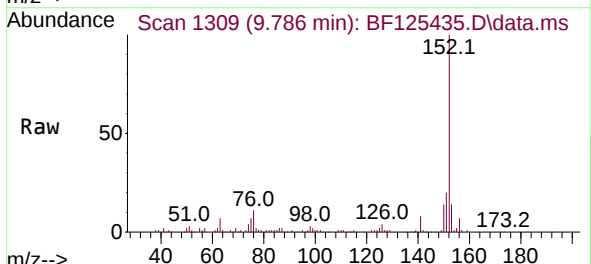
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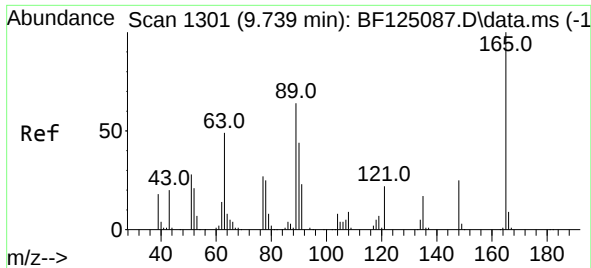
Tgt Ion:172 Resp: 384953
Ion Ratio Lower Upper
172 100
171 34.9 26.5 39.7
170 23.3 18.8 28.2



#49
Acenaphthylene
Concen: 4.680 ng
RT: 9.786 min Scan# 1309
Delta R.T. -0.006 min
Lab File: BF125435.D
Acq: 10 Sep 2021 21:14

Tgt Ion:152 Resp: 100044
Ion Ratio Lower Upper
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151 20.0 15.7 23.5
153 13.5 9.8 14.8

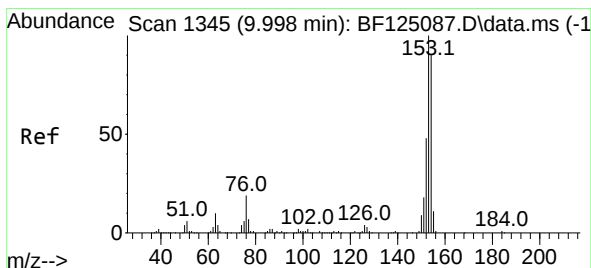
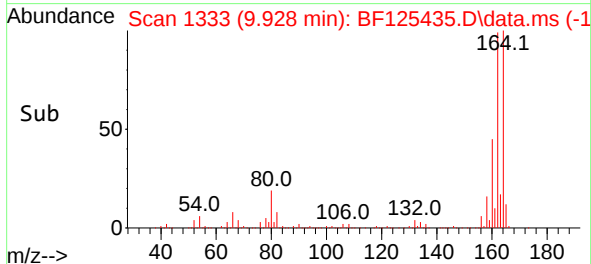
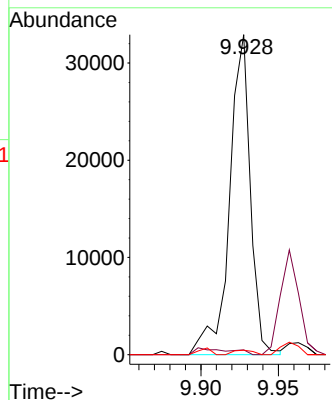
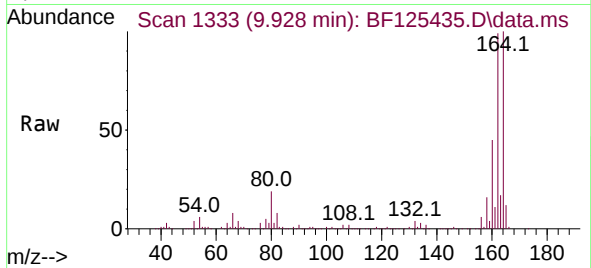




#51
2,6-Dinitrotoluene
Concen: 9.159 ng
RT: 9.928 min Scan# 1333
Delta R.T. 0.212 min
Lab File: BF125435.D
Acq: 10 Sep 2021 21:14

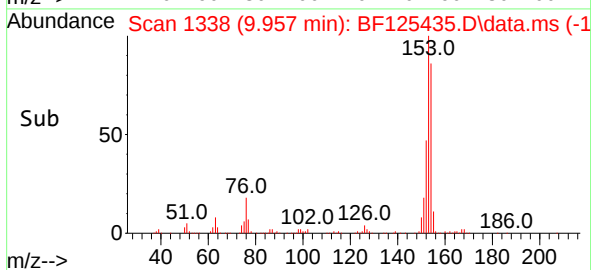
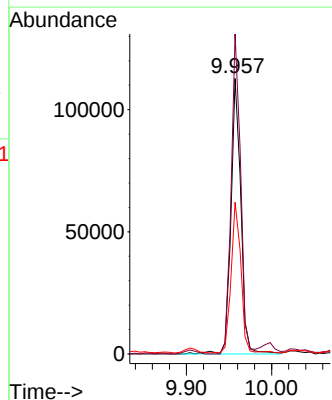
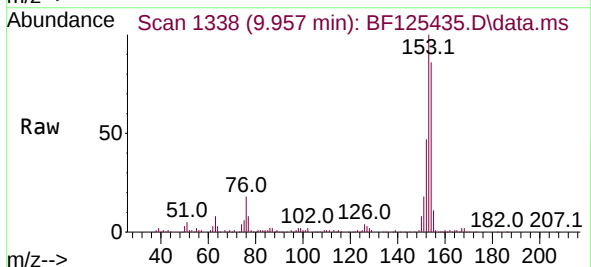
Instrument :
BNA_F
ClientSampleId :
OK-03-090921

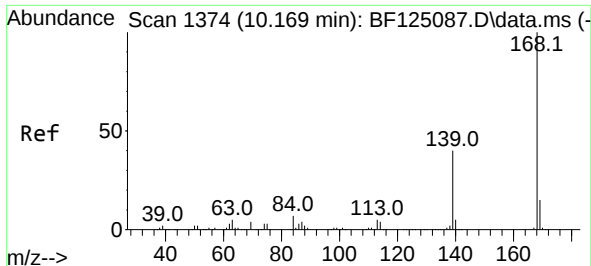
Tgt Ion:165 Resp: 30815
Ion Ratio Lower Upper
165 100
63 1.5 42.6 63.8#
89 1.4 40.6 60.8#



#52
Acenaphthene
Concen: 6.859 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF125435.D
Acq: 10 Sep 2021 21:14

Tgt Ion:154 Resp: 90889
Ion Ratio Lower Upper
154 100
153 116.1 89.4 134.2
152 55.0 40.5 60.7

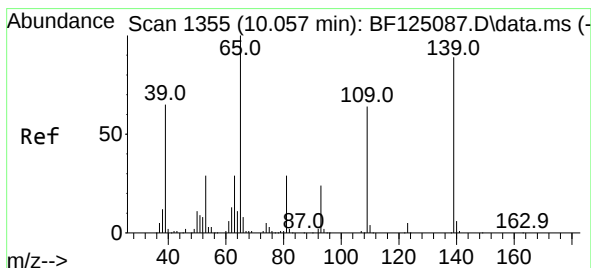
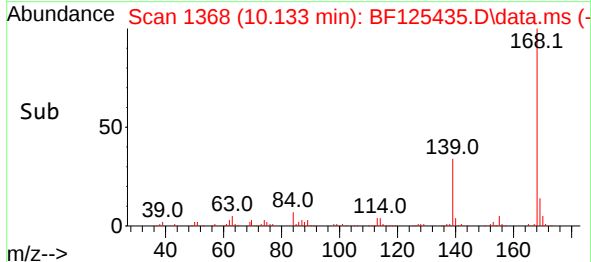
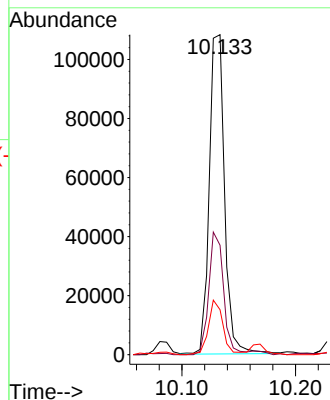
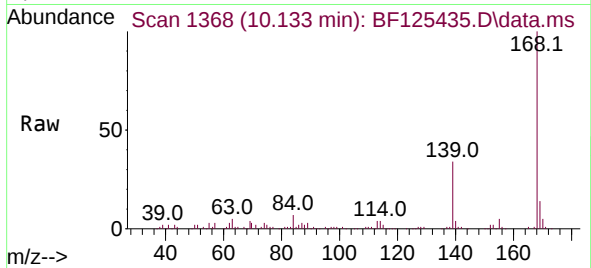




#55
Dibenzenofuran
Concen: 5.299 ng
RT: 10.133 min Scan# 1368
Delta R.T. 0.000 min
Lab File: BF125435.D
Acq: 10 Sep 2021 21:14

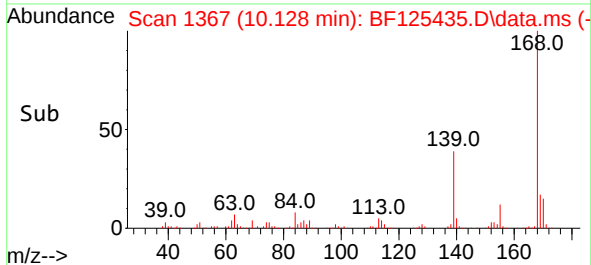
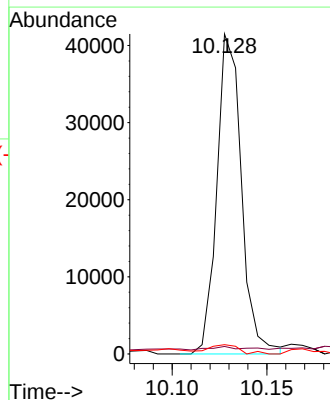
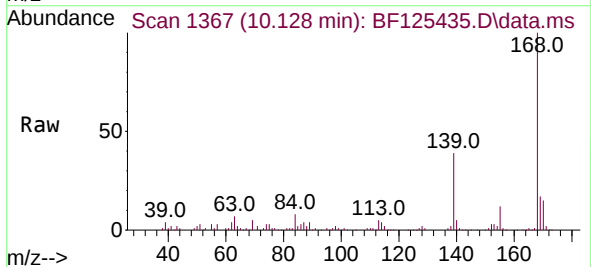
Instrument :
BNA_F
ClientSampleId :
OK-03-090921

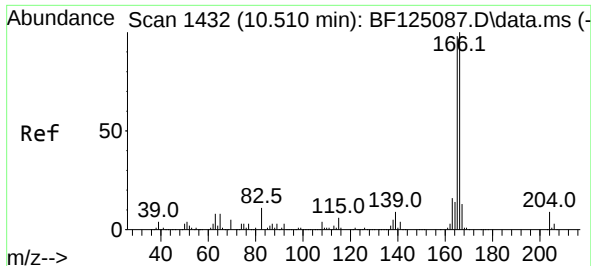
Tgt Ion:168 Resp: 101052
Ion Ratio Lower Upper
168 100
139 34.2 32.7 49.1
169 14.1 11.2 16.8



#56
4-Nitrophenol
Concen: 13.031 ng
RT: 10.128 min Scan# 1367
Delta R.T. 0.077 min
Lab File: BF125435.D
Acq: 10 Sep 2021 21:14

Tgt Ion:139 Resp: 37442
Ion Ratio Lower Upper
139 100
109 2.4 60.4 100.4#
65 2.9 58.4 98.4#

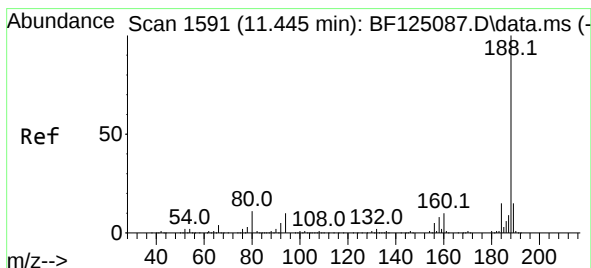
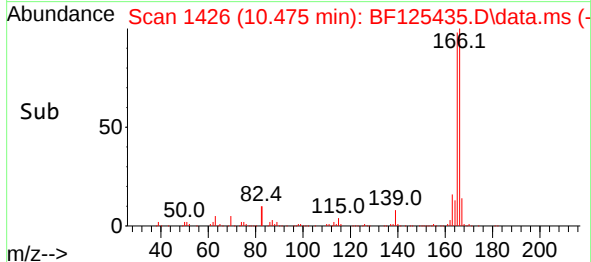
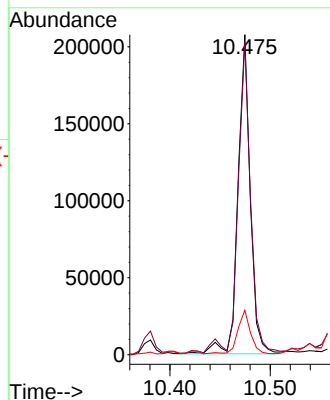
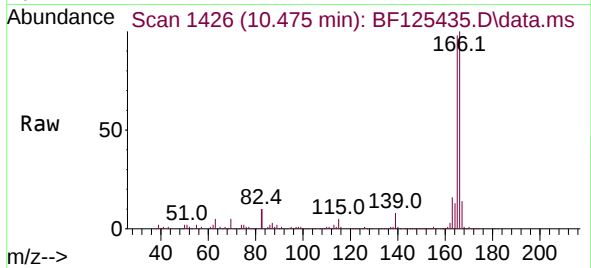




#58
Fluorene
Concen: 12.555 ng
RT: 10.475 min Scan# 1426
Delta R.T. -0.006 min
Lab File: BF125435.D
Acq: 10 Sep 2021 21:14

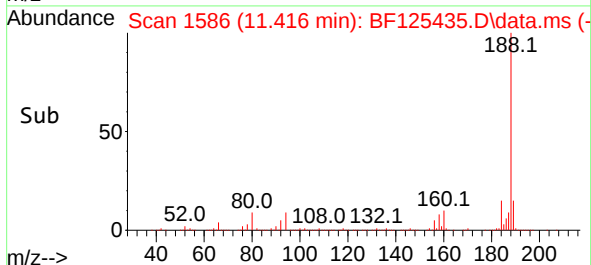
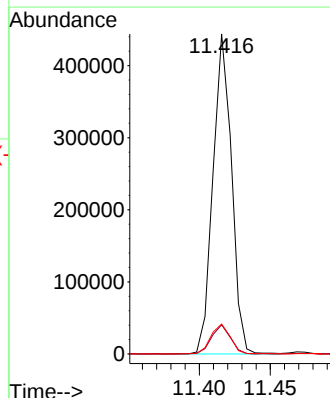
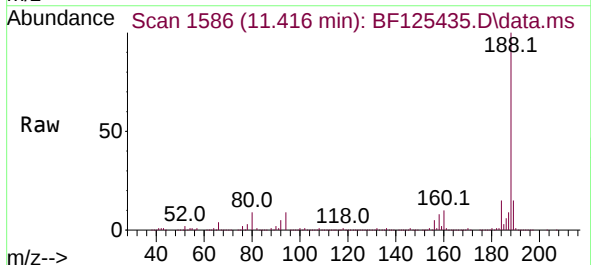
Instrument :
BNA_F
ClientSampleId :
OK-03-090921

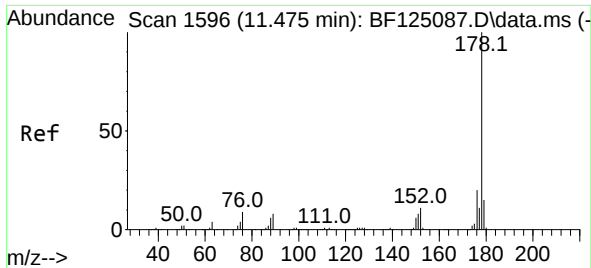
Tgt Ion:166 Resp: 177020
Ion Ratio Lower Upper
166 100
165 97.7 78.1 117.1
167 13.9 11.1 16.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF125435.D
Acq: 10 Sep 2021 21:14

Tgt Ion:188 Resp: 403383
Ion Ratio Lower Upper
188 100
94 9.1 6.7 10.1
80 9.4 7.5 11.3

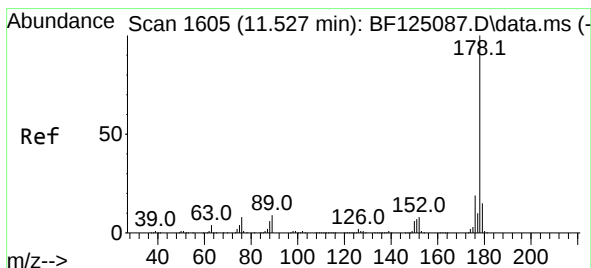
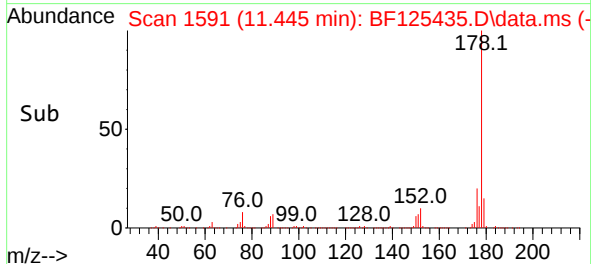
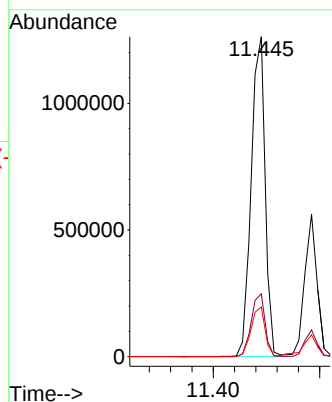
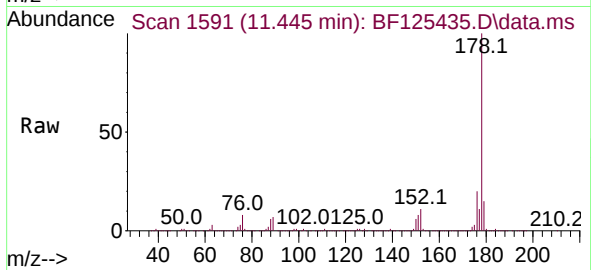




#71
Phenanthrene
Concen: 51.502 ng
RT: 11.445 min Scan# 1591
Delta R.T. 0.000 min
Lab File: BF125435.D
Acq: 10 Sep 2021 21:14

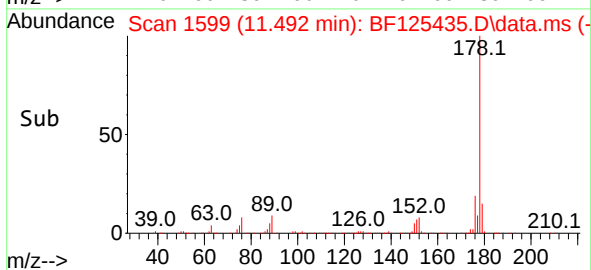
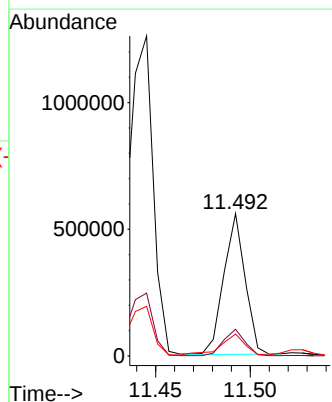
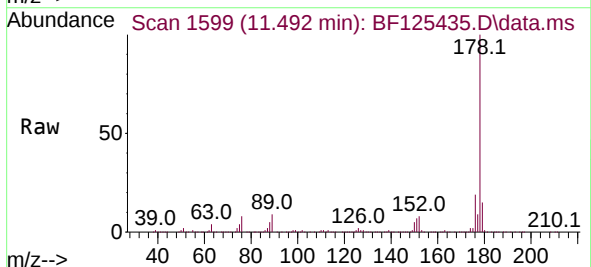
Instrument :
BNA_F
ClientSampleId :
OK-03-090921

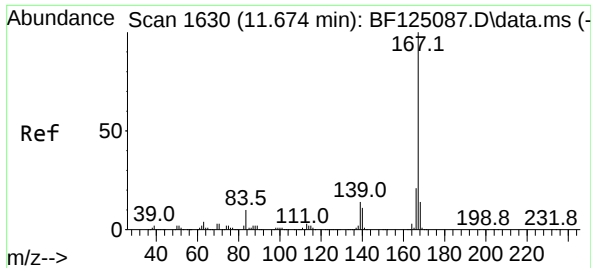
Tgt Ion:178 Resp: 1144706
Ion Ratio Lower Upper
178 100
176 19.6 14.7 22.1
179 15.5 11.5 17.3



#72
Anthracene
Concen: 19.931 ng
RT: 11.492 min Scan# 1599
Delta R.T. 0.000 min
Lab File: BF125435.D
Acq: 10 Sep 2021 21:14

Tgt Ion:178 Resp: 436646
Ion Ratio Lower Upper
178 100
176 18.7 14.3 21.5
179 15.4 12.2 18.4

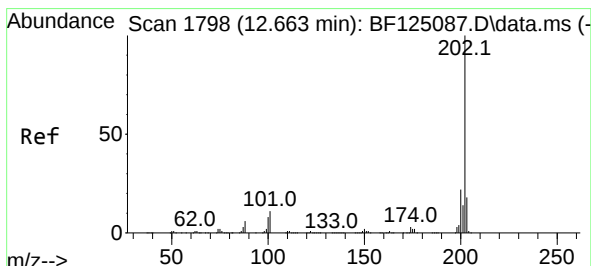
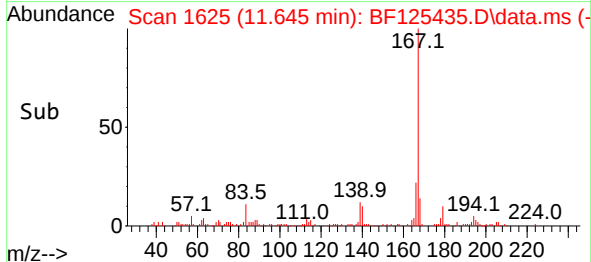
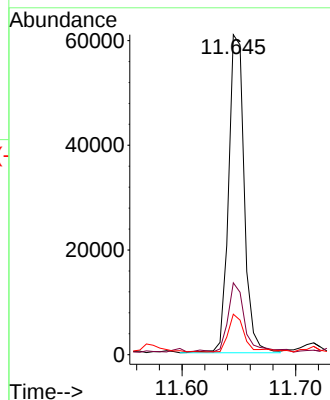
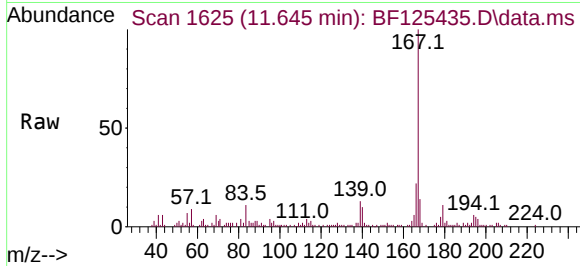




#73
 Carbazole
 Concen: 2.911 ng
 RT: 11.645 min Scan# 1625
 Delta R.T. -0.006 min
 Lab File: BF125435.D
 Acq: 10 Sep 2021 21:14

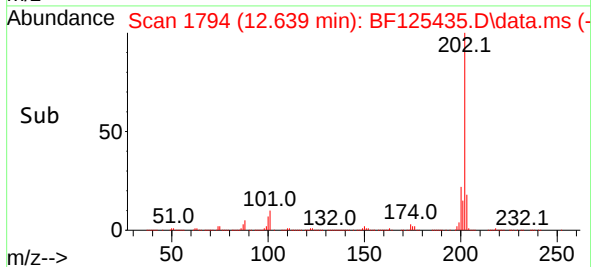
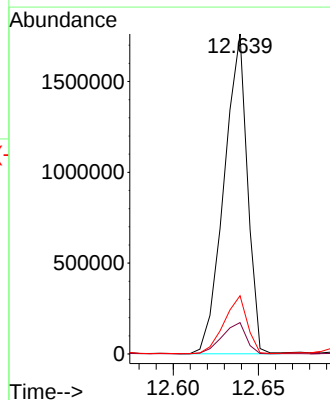
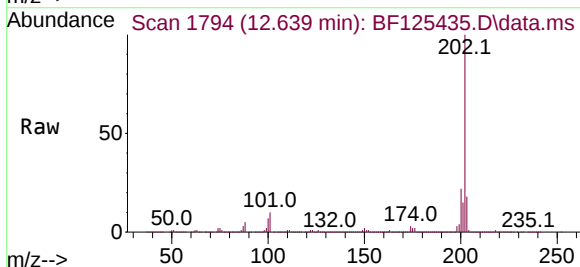
Instrument :
 BNA_F
 ClientSampleId :
 OK-03-090921

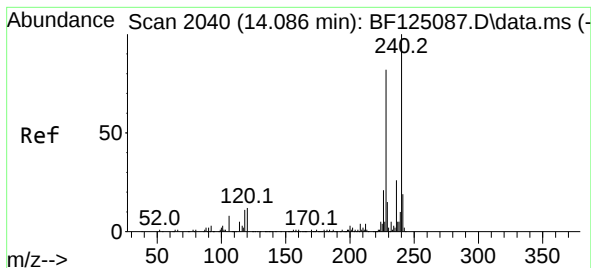
Tgt Ion:167	Resp:	58276
Ion Ratio	Lower	Upper
167	100	
166	22.4	17.4 26.0
139	12.6	11.0 16.4



#75
 Fluoranthene
 Concen: 75.978 ng
 RT: 12.639 min Scan# 1794
 Delta R.T. 0.006 min
 Lab File: BF125435.D
 Acq: 10 Sep 2021 21:14

Tgt Ion:202	Resp:	1675650
Ion Ratio	Lower	Upper
202	100	
101	9.8	0.0 30.7
203	18.2	0.0 36.3

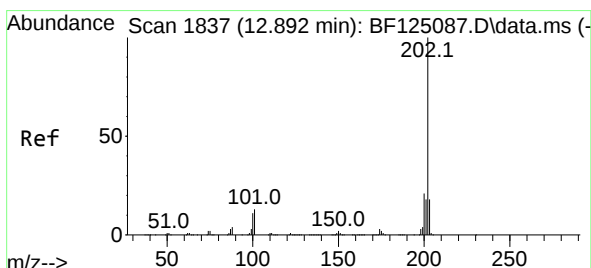
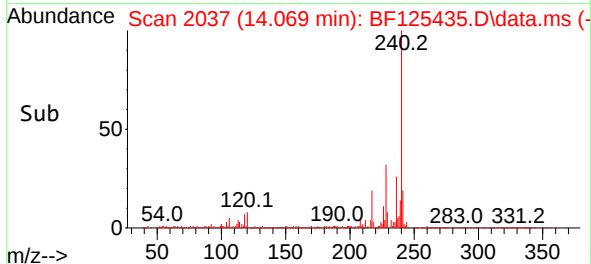
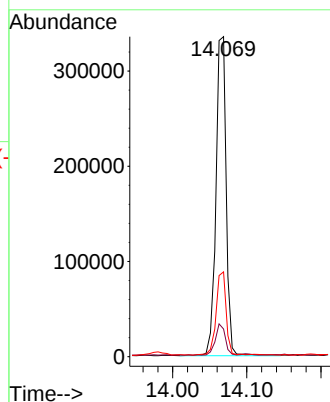
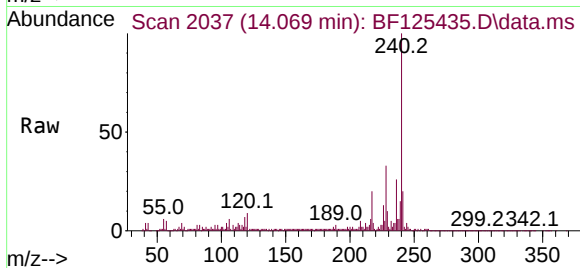




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2037
Delta R.T. 0.006 min
Lab File: BF125435.D
Acq: 10 Sep 2021 21:14

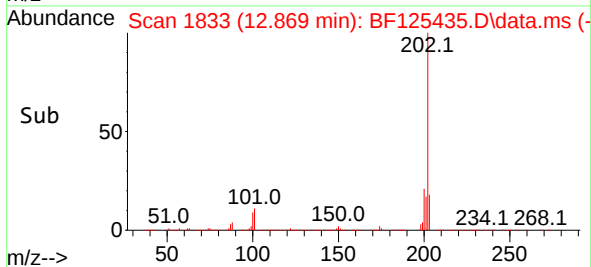
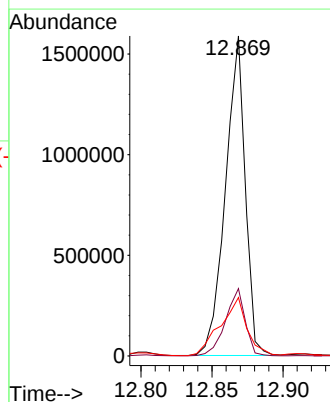
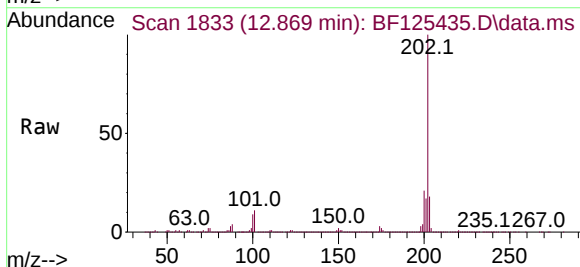
Instrument :
BNA_F
ClientSampleId :
OK-03-090921

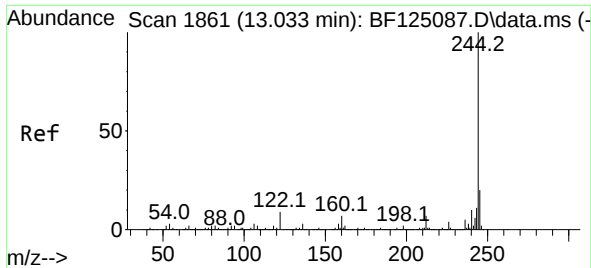
Tgt Ion:240 Resp: 319648
Ion Ratio Lower Upper
240 100
120 8.6 10.8 16.2#
236 26.5 21.6 32.4



#78
Pyrene
Concen: 56.169 ng
RT: 12.869 min Scan# 1833
Delta R.T. 0.006 min
Lab File: BF125435.D
Acq: 10 Sep 2021 21:14

Tgt Ion:202 Resp: 1540127
Ion Ratio Lower Upper
202 100
200 21.0 15.3 22.9
203 18.2 13.4 20.0

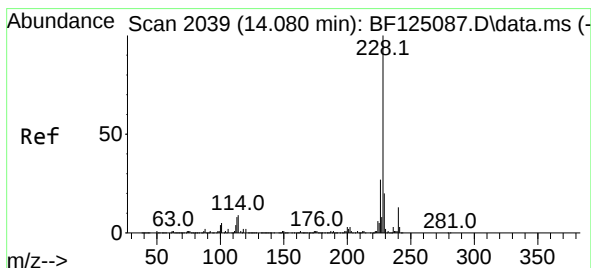
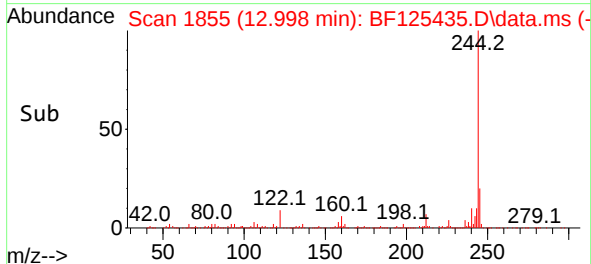
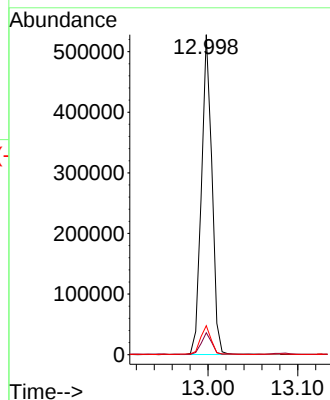
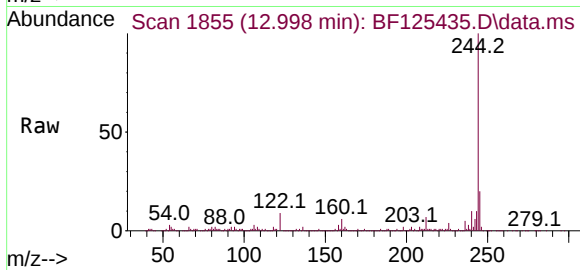




#79
Terphenyl-d14
Concen: 21.268 ng
RT: 12.998 min Scan# 1855
Delta R.T. -0.006 min
Lab File: BF125435.D
Acq: 10 Sep 2021 21:14

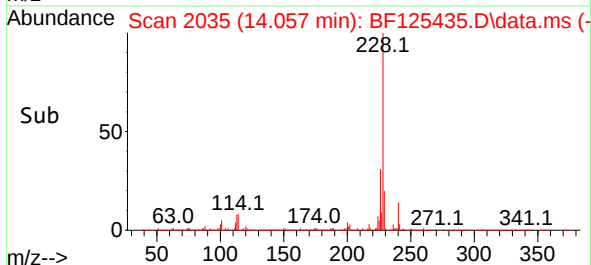
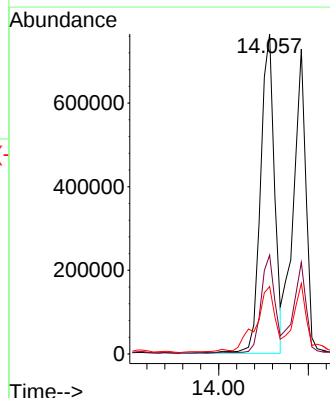
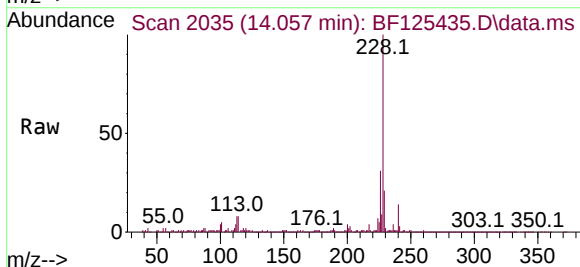
Instrument :
BNA_F
ClientSampleId :
OK-03-090921

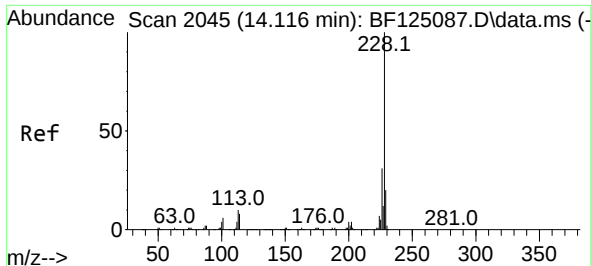
Tgt Ion:244 Resp: 426732
Ion Ratio Lower Upper
244 100
212 6.9 5.9 8.9
122 9.1 9.0 13.4



#81
Benzo(a)anthracene
Concen: 35.805 ng
RT: 14.057 min Scan# 2035
Delta R.T. 0.006 min
Lab File: BF125435.D
Acq: 10 Sep 2021 21:14

Tgt Ion:228 Resp: 824635
Ion Ratio Lower Upper
228 100
226 30.9 21.6 32.4
229 21.0 15.6 23.4

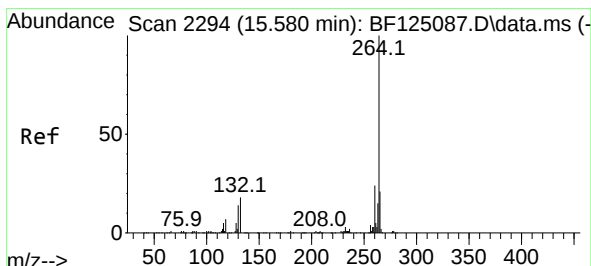
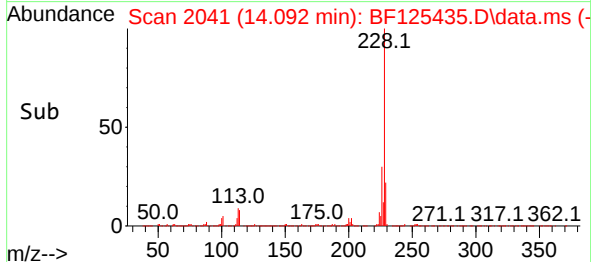
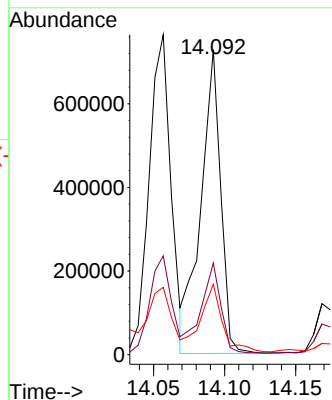
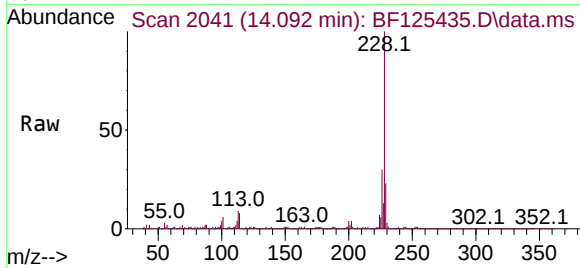




#83
Chrysene
Concen: 31.147 ng
RT: 14.092 min Scan# 2041
Delta R.T. 0.006 min
Lab File: BF125435.D
Acq: 10 Sep 2021 21:14

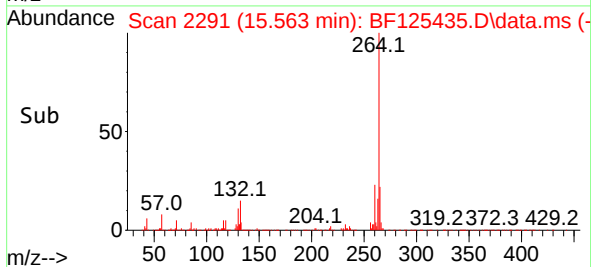
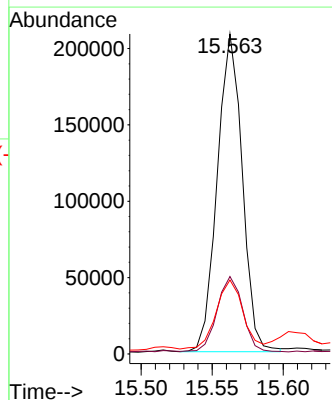
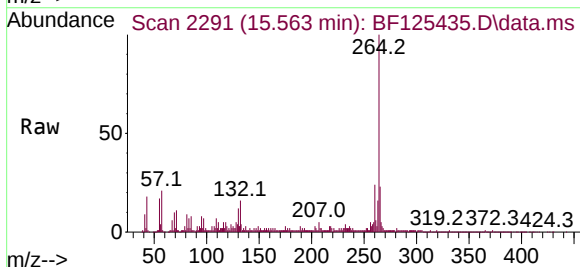
Instrument :
BNA_F
ClientSampleId :
OK-03-090921

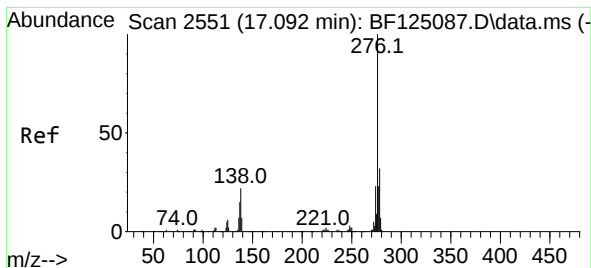
Tgt Ion:228	Resp:	709418
Ion Ratio	Lower	Upper
228	100	
226	30.1	22.6 34.0
229	23.1	15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2291
Delta R.T. 0.018 min
Lab File: BF125435.D
Acq: 10 Sep 2021 21:14

Tgt Ion:264	Resp:	254353
Ion Ratio	Lower	Upper
264	100	
260	24.2	19.6 29.4
265	23.1	17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 15.365 ng

RT: 17.074 min Scan# 2548

Delta R.T. 0.024 min

Lab File: BF125435.D

Acq: 10 Sep 2021 21:14

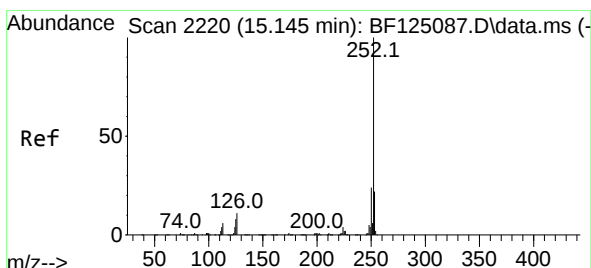
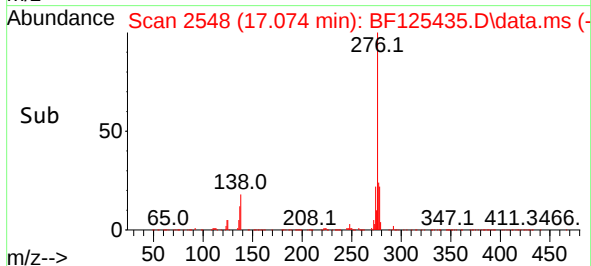
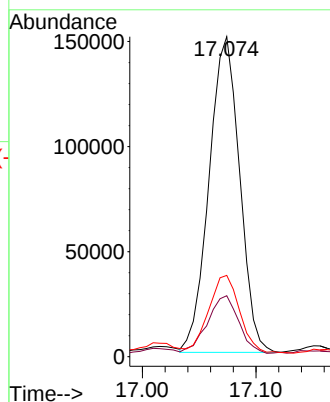
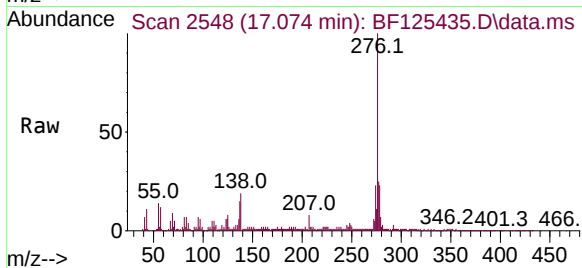
Instrument :

BNA_F

ClientSampleId :

OK-03-090921

Tgt Ion:	276	Resp:	281543
Ion Ratio	Lower	Upper	
276	100		
138	18.4	24.1	36.1#
277	24.8	18.8	28.2



#88

Benzo(b)fluoranthene

Concen: 54.311 ng

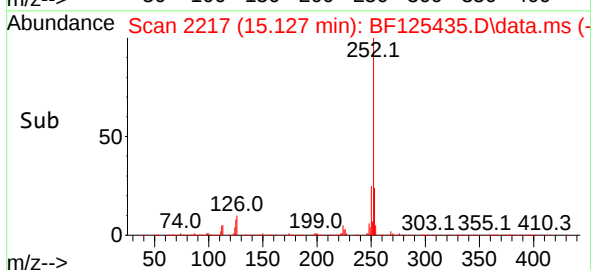
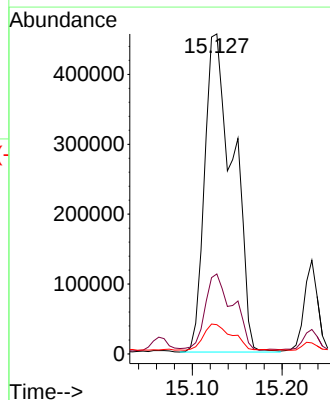
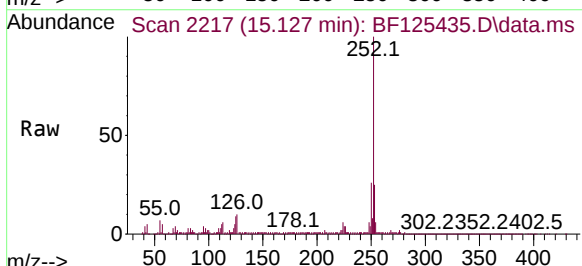
RT: 15.127 min Scan# 2217

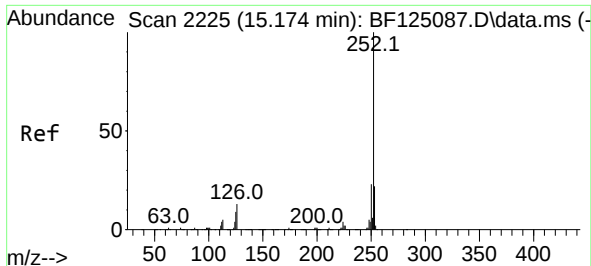
Delta R.T. 0.018 min

Lab File: BF125435.D

Acq: 10 Sep 2021 21:14

Tgt Ion:	252	Resp:	1009233
Ion Ratio	Lower	Upper	
252	100		
253	25.0	16.8	25.2
125	9.1	9.8	14.8#

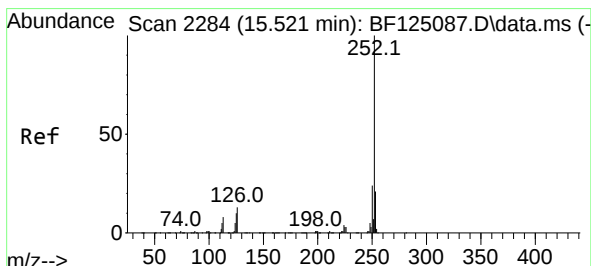
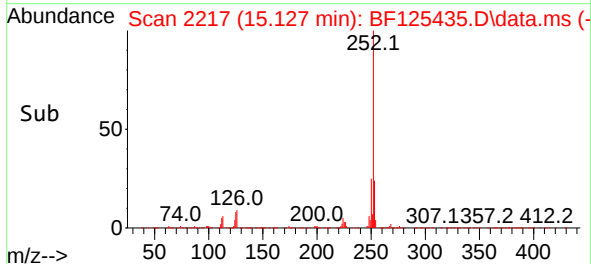
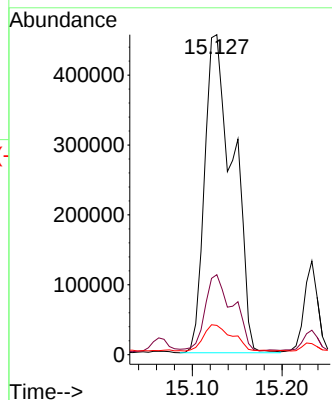
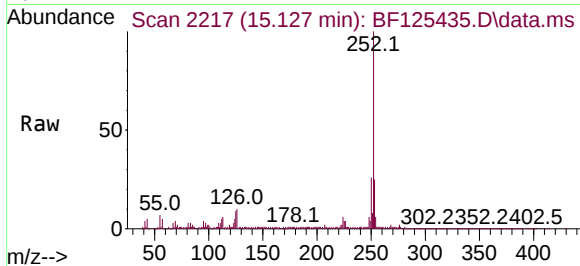




#89
Benzo(k)fluoranthene
Concen: 58.202 ng
RT: 15.127 min Scan# 2217
Delta R.T. -0.017 min
Lab File: BF125435.D
Acq: 10 Sep 2021 21:14

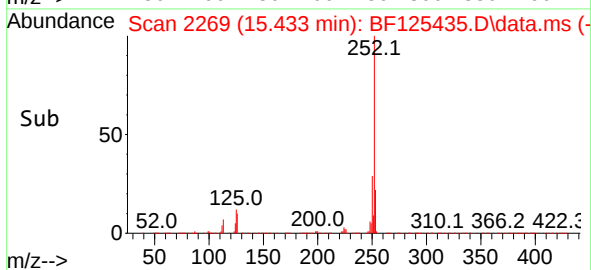
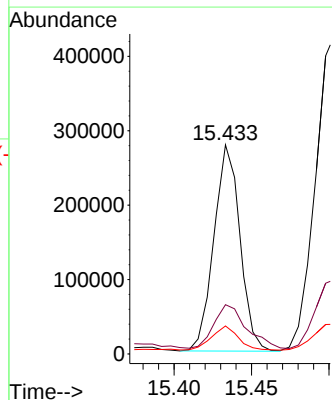
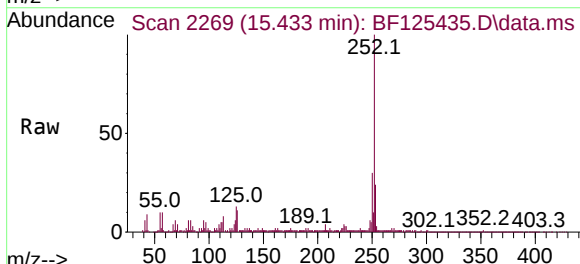
Instrument :
BNA_F
ClientSampleId :
OK-03-090921

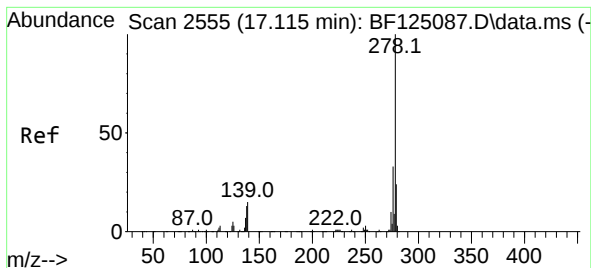
Tgt Ion:252 Resp: 1009233
Ion Ratio Lower Upper
252 100
253 25.0 17.8 26.8
125 9.1 7.2 10.8



#90
Benzo(a)pyrene
Concen: 19.761 ng
RT: 15.433 min Scan# 2269
Delta R.T. -0.053 min
Lab File: BF125435.D
Acq: 10 Sep 2021 21:14

Tgt Ion:252 Resp: 324368
Ion Ratio Lower Upper
252 100
253 23.6 18.4 27.6
125 13.4 9.9 14.9





#91

Dibenzo(a,h)anthracene

Concen: 2.255 ng

RT: 17.315 min Scan# 2589

Delta R.T. 0.247 min

Lab File: BF125435.D

Acq: 10 Sep 2021 21:14

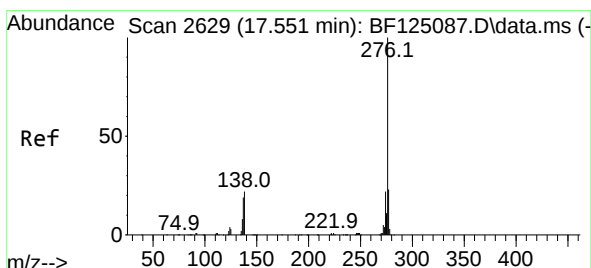
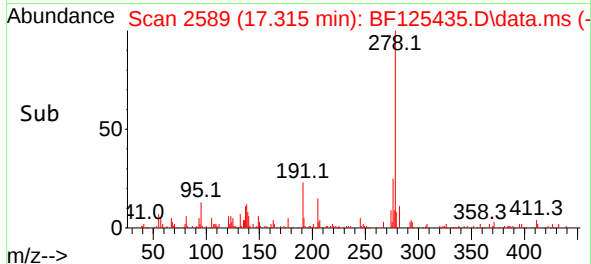
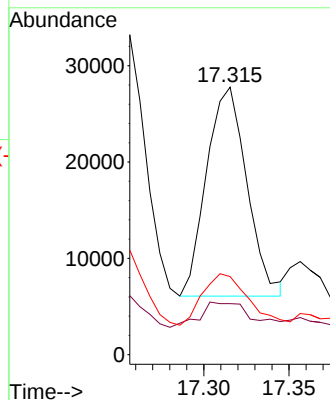
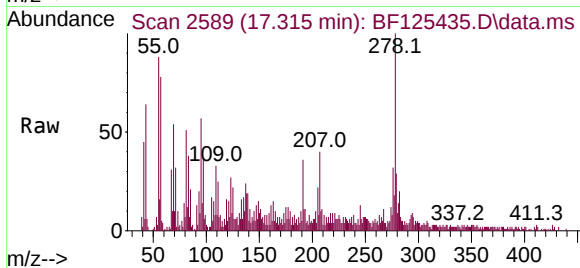
Instrument :

BNA_F

ClientSampleId :

OK-03-090921

Tgt Ion:	278	Resp:	35716
Ion Ratio	Lower	Upper	
278	100		
139	19.1	14.9	22.3
279	29.2	19.7	29.5



#92

Benzo(g,h,i)perylene

Concen: 5.156 ng

RT: 17.774 min Scan# 2667

Delta R.T. 0.265 min

Lab File: BF125435.D

Acq: 10 Sep 2021 21:14

Tgt Ion:	276	Resp:	78750
Ion Ratio	Lower	Upper	
276	100		
277	29.8	22.0	33.0
138	28.3	22.2	33.4

