

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101321\
 Data File : BF125837.D
 Acq On : 13 Oct 2021 20:56
 Operator : JU/CG
 Sample : M4147-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20-20211007-WC

Quant Time: Oct 14 09:04:33 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 13 13:23:32 2021
 Response via : Initial Calibration

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

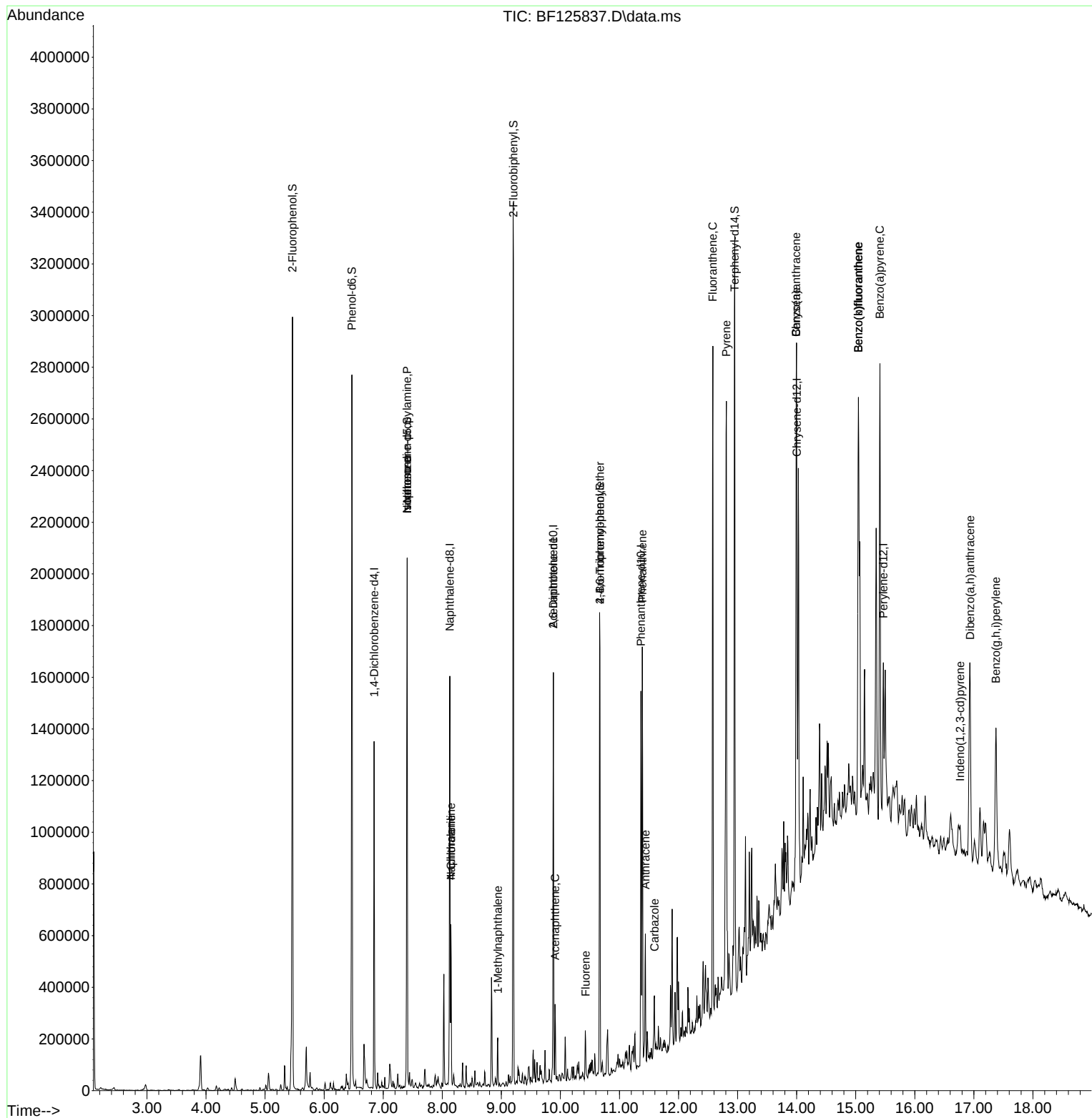
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	181506	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	663205	20.000	ng	# 0.00
39) Acenaphthene-d10	9.881	164	302555	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	516769	20.000	ng	# 0.00
76) Chrysene-d12	14.004	240	300664	20.000	ng	0.00
86) Perylene-d12	15.468	264	259145	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	881846	79.370	ng	0.00
7) Phenol-d6	6.469	99	1039292	72.662	ng	0.00
23) Nitrobenzene-d5	7.404	82	588763	55.183	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	224148	75.037	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	1084789	61.842	ng	0.00
79) Terphenyl-d14	12.951	244	1007797	51.058	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.404	70	73366	9.717	ng	# 50
25) Isophorone	7.404	82	584408	30.918	ng	# 59
31) Naphthalene	8.145	128	256246	7.991	ng	98
33) 4-Chloroaniline	8.145	127	32521	2.423	ng	# 31
38) 1-Methylnaphthalene	8.939	142	47161	2.340	ng	96
51) 2,6-Dinitrotoluene	9.881	165	41517	10.313	ng	# 28
52) Acenaphthene	9.910	154	55953	3.386	ng	99
58) Fluorene	10.428	166	42795	2.360	ng	98
67) 4-Bromophenyl-phenylether	10.669	248	12584	2.199	ng	# 1
71) Phenanthrene	11.386	178	564766	20.426	ng	99
72) Anthracene	11.439	178	180241	6.527	ng	100
73) Carbazole	11.592	167	94331	3.670	ng	98
75) Fluoranthene	12.580	202	1000510	40.103	ng	97
78) Pyrene	12.810	202	1033361	33.830	ng	97
81) Benzo(a)anthracene	13.992	228	723379	37.084	ng	96
83) Chrysene	13.992	228	723379	37.518	ng	98
87) Indeno(1,2,3-cd)pyrene	16.768	276	101838	5.149	ng	96
88) Benzo(b)fluoranthene	15.045	252	1385848	94.723	ng	96
89) Benzo(k)fluoranthene	15.045	252	1385848	92.259	ng	# 95
90) Benzo(a)pyrene	15.410	252	889804	68.677	ng	98
91) Dibenzo(a,h)anthracene	16.939	278	150331	9.214	ng	92
92) Benzo(g,h,i)perylene	17.374	276	500540	30.042	ng	95

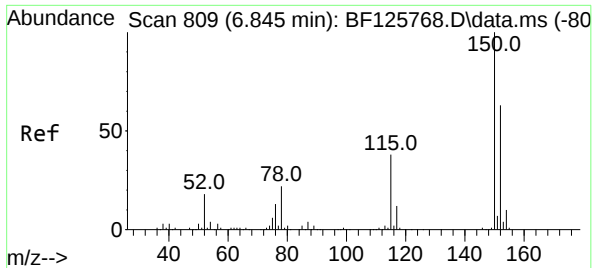
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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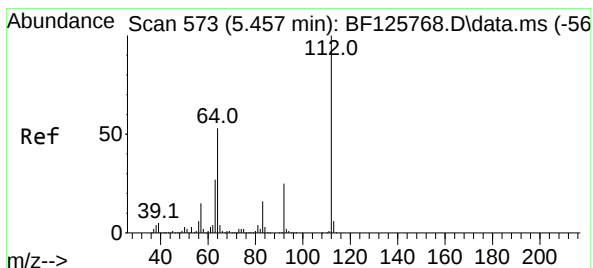
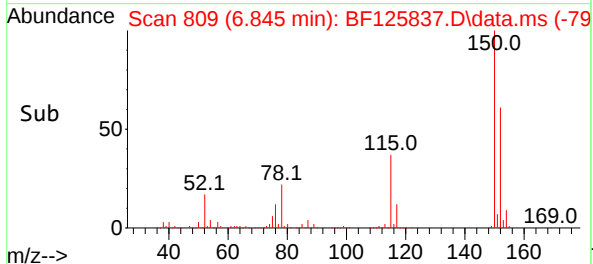
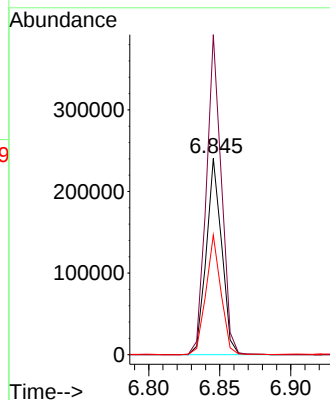
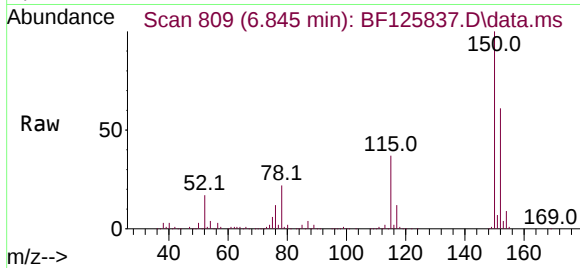




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 809
Delta R.T. 0.000 min
Lab File: BF125837.D
Acq: 13 Oct 2021 20:56

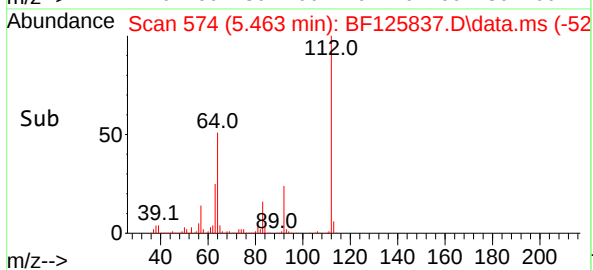
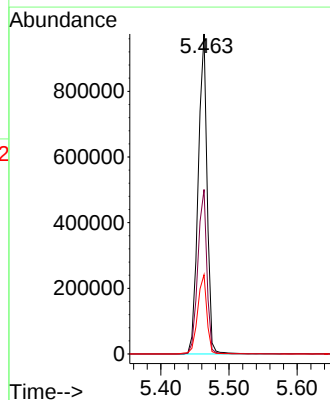
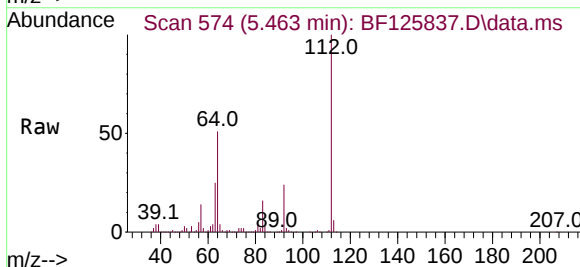
Instrument :
BNA_F
ClientSampleId :
20-20211007-WC

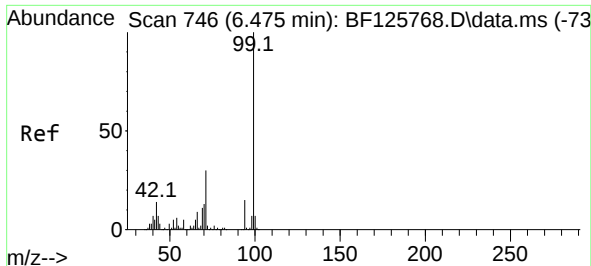
Tgt Ion:152 Resp: 181506
Ion Ratio Lower Upper
152 100
150 163.0 117.6 176.4
115 60.9 47.1 70.7



#5
2-Fluorophenol
Concen: 79.370 ng
RT: 5.463 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF125837.D
Acq: 13 Oct 2021 20:56

Tgt Ion:112 Resp: 881846
Ion Ratio Lower Upper
112 100
64 51.4 44.2 66.2
63 24.8 26.2 39.2#

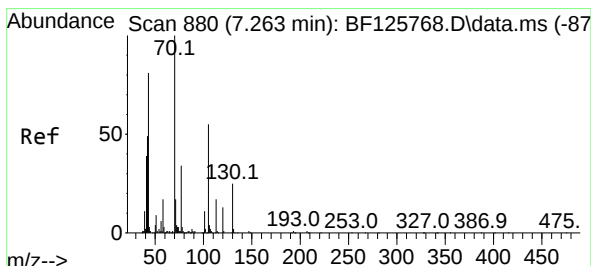
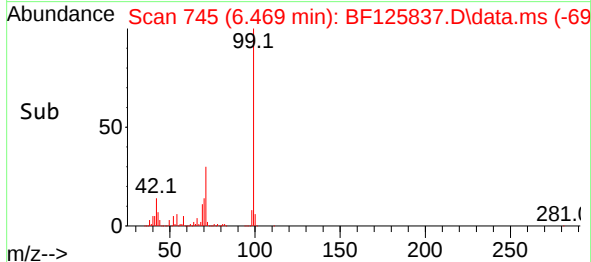
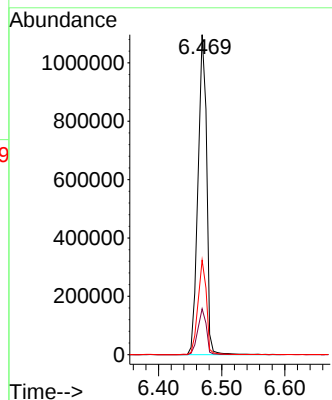
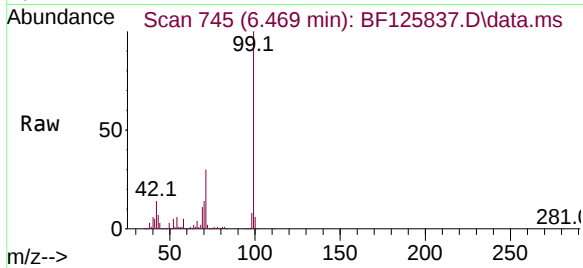




#7
Phenol-d6
Concen: 72.662 ng
RT: 6.469 min Scan# 745
Delta R.T. -0.006 min
Lab File: BF125837.D
Acq: 13 Oct 2021 20:56

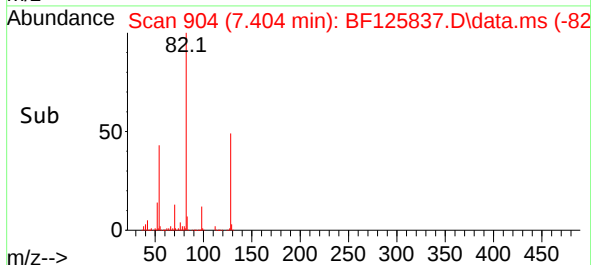
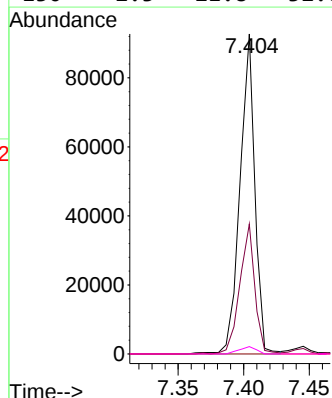
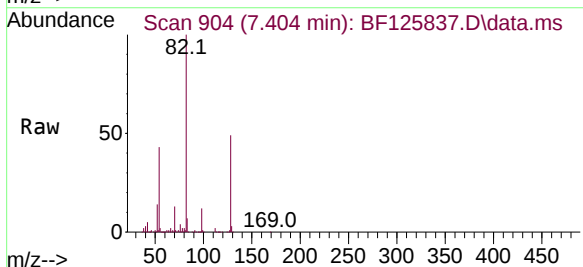
Instrument :
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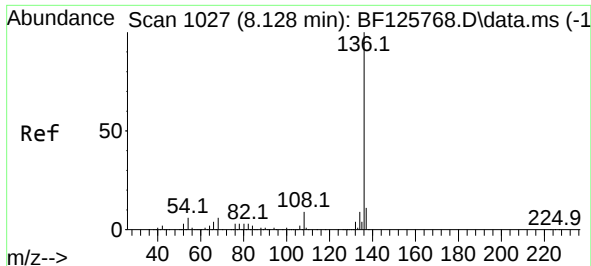
Tgt Ion: 99 Resp: 1039292
Ion Ratio Lower Upper
99 100
42 14.4 23.5 35.3#
71 29.6 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 9.717 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.141 min
Lab File: BF125837.D
Acq: 13 Oct 2021 20:56

Tgt Ion: 70 Resp: 73366
Ion Ratio Lower Upper
70 100
42 40.6 72.2 108.2#
101 0.0 7.8 11.8#
130 2.3 21.8 32.6#

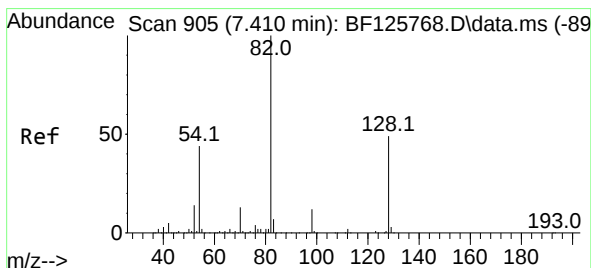
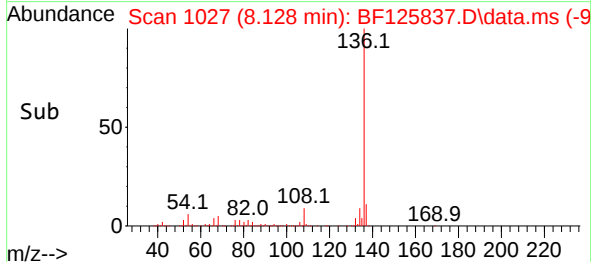
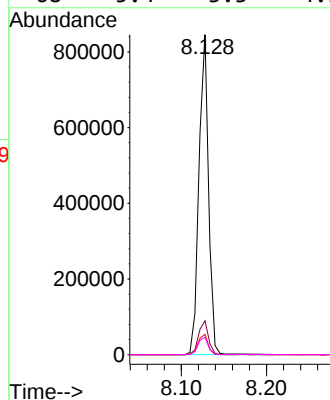
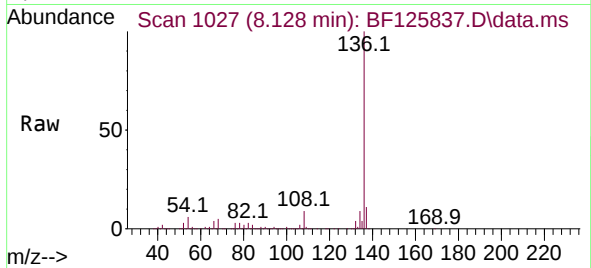




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BF125837.D
Acq: 13 Oct 2021 20:56

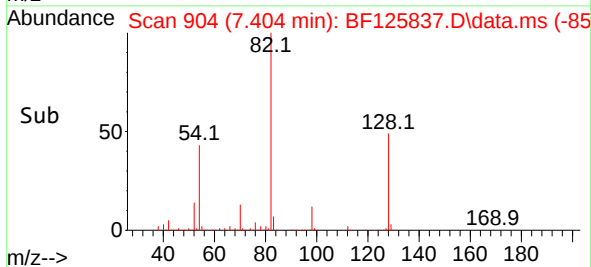
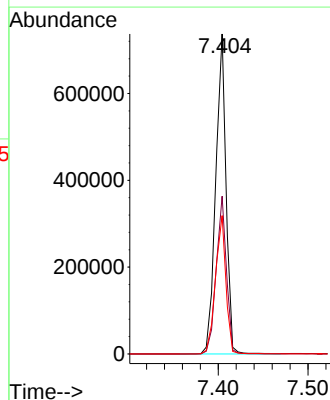
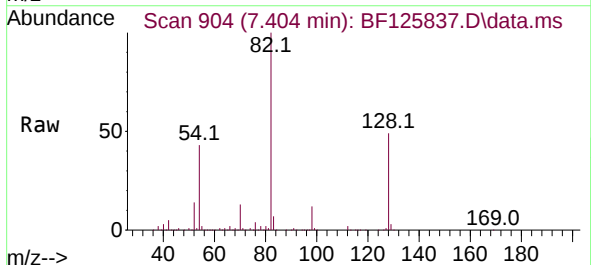
Instrument :
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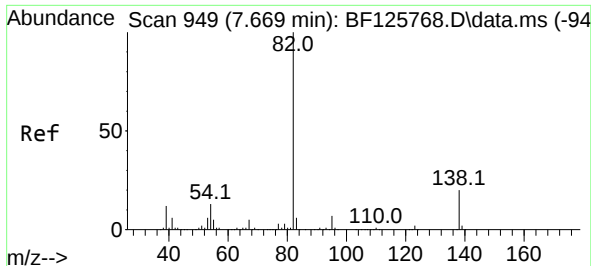
Tgt Ion:136	Resp: 663205
Ion Ratio	Lower Upper
136 100	
137 10.6	9.8 14.6
54 6.4	6.4 9.6#
68 5.4	3.3 4.9#



#23
Nitrobenzene-d5
Concen: 55.183 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF125837.D
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Tgt Ion: 82	Resp: 588763
Ion Ratio	Lower Upper
82 100	
128 49.3	40.6 60.8
54 43.2	49.6 74.4#

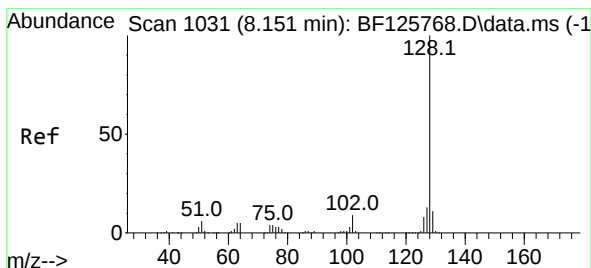
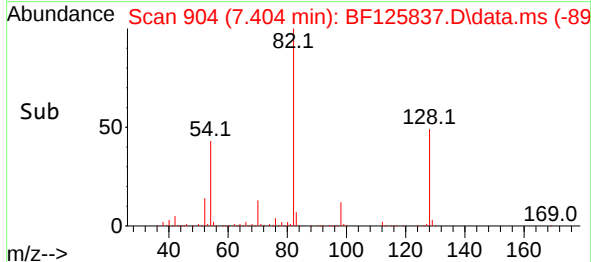
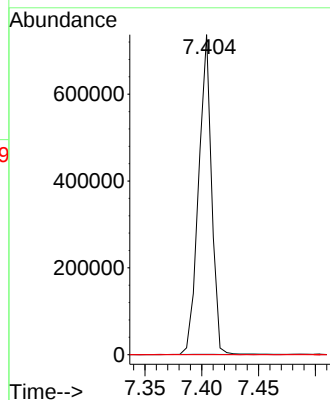
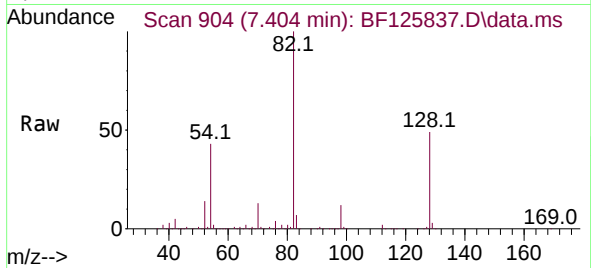




#25
Isophorone
Concen: 30.918 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.265 min
Lab File: BF125837.D
Acq: 13 Oct 2021 20:56

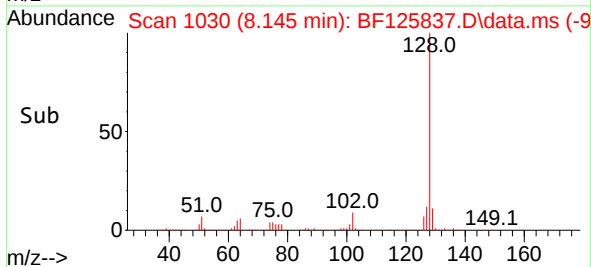
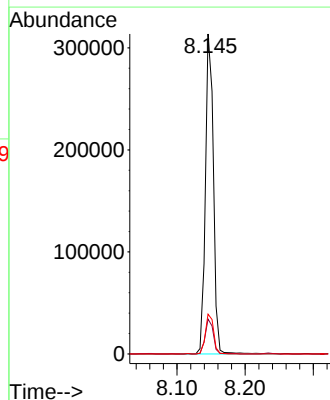
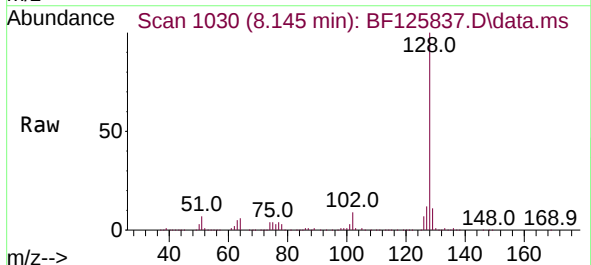
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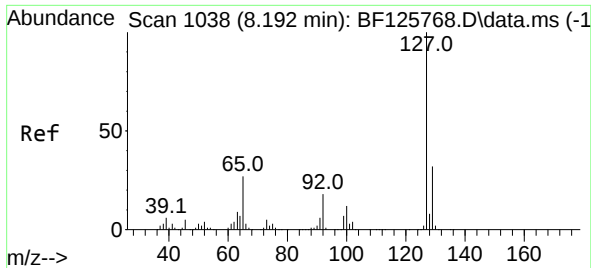
Tgt Ion: 82 Resp: 584408
Ion Ratio Lower Upper
82 100
95 0.1 6.5 9.7#
138 0.0 18.4 27.6#



#31
Naphthalene
Concen: 7.991 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF125837.D
Acq: 13 Oct 2021 20:56

Tgt Ion: 128 Resp: 256246
Ion Ratio Lower Upper
128 100
129 10.9 9.4 14.0
127 12.4 10.9 16.3

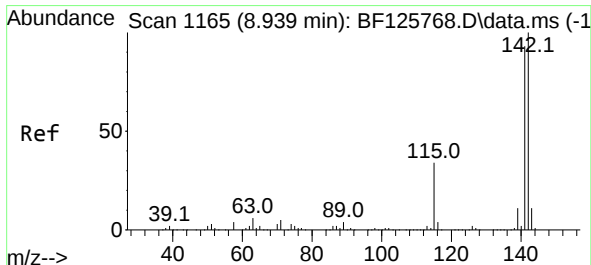
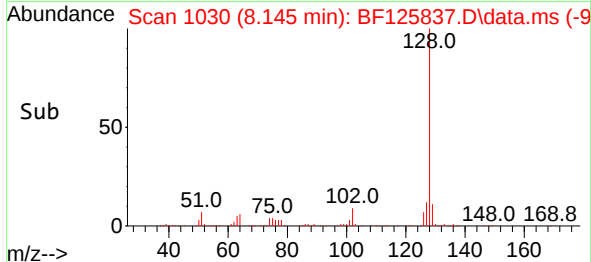
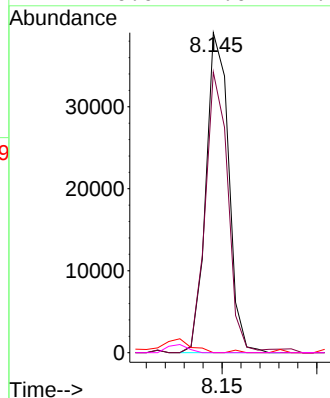
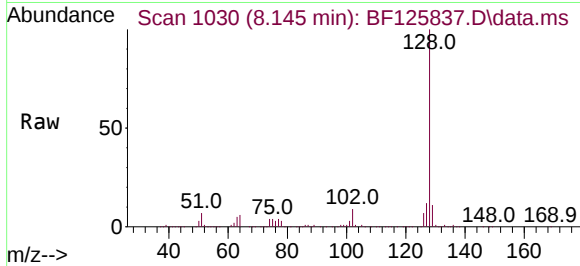




#33
4-Chloroaniline
Concen: 2.423 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.053 min
Lab File: BF125837.D
Acq: 13 Oct 2021 20:56

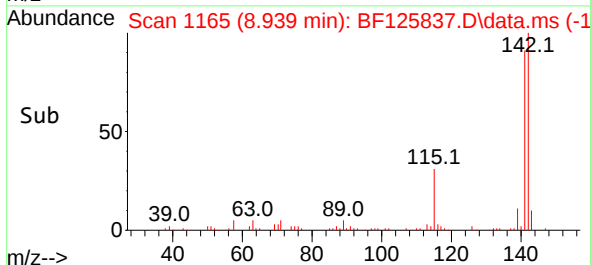
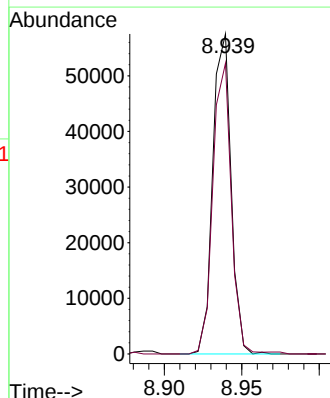
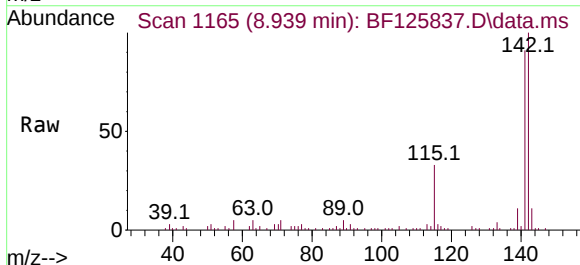
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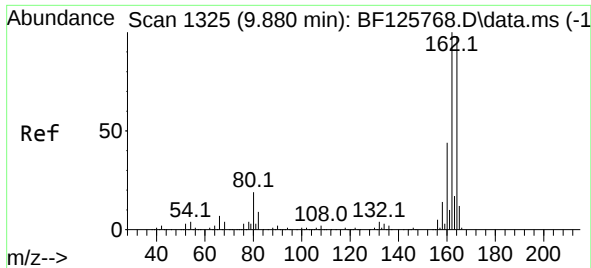
Tgt Ion:127	Resp:	32521
Ion Ratio	Lower	Upper
127	100	
129	87.7	25.7 38.5#
65	0.0	21.2 31.8#
92	0.0	14.0 21.0#



#38
1-Methylnaphthalene
Concen: 2.340 ng
RT: 8.939 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BF125837.D
Acq: 13 Oct 2021 20:56

Tgt Ion:142	Resp:	47161
Ion Ratio	Lower	Upper
142	100	
141	90.9	76.0 114.0

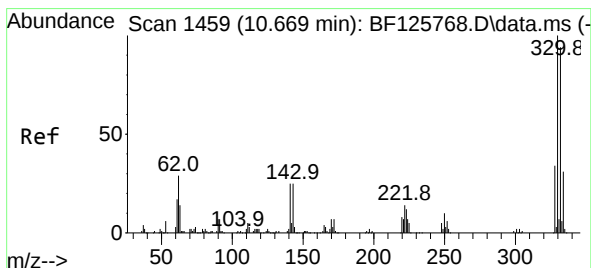
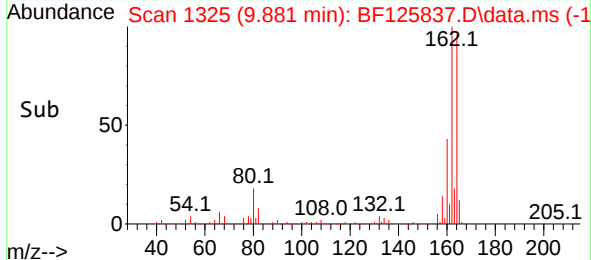
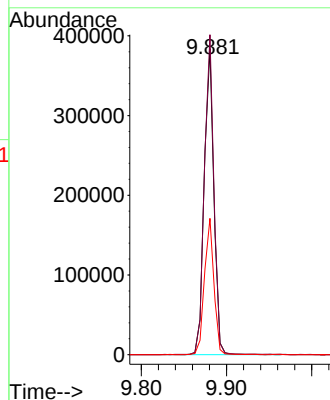
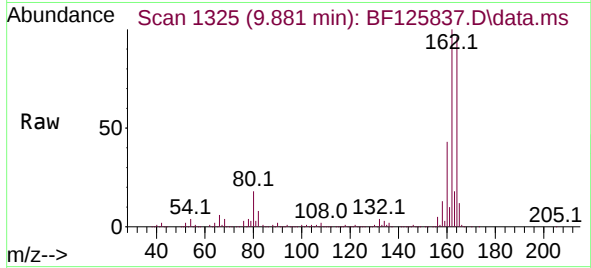




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1325
Delta R.T. 0.000 min
Lab File: BF125837.D
Acq: 13 Oct 2021 20:56

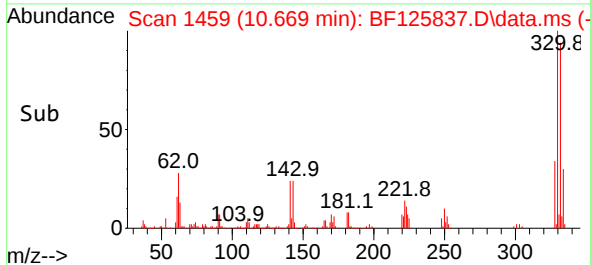
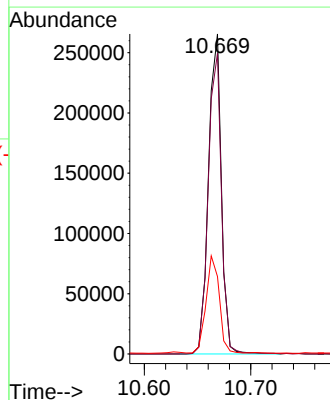
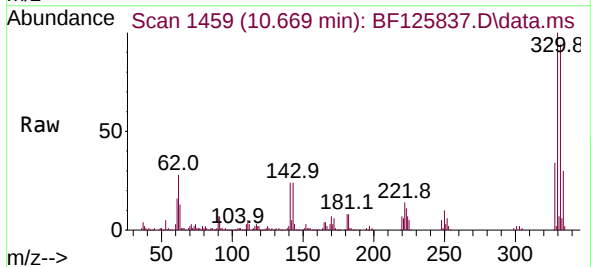
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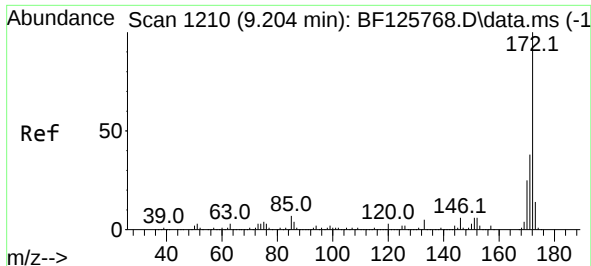
Tgt Ion:164 Resp: 302555
Ion Ratio Lower Upper
164 100
162 104.5 81.3 121.9
160 44.5 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 75.037 ng
RT: 10.669 min Scan# 1459
Delta R.T. 0.000 min
Lab File: BF125837.D
Acq: 13 Oct 2021 20:56

Tgt Ion:330 Resp: 224148
Ion Ratio Lower Upper
330 100
332 96.4 76.2 114.4
141 31.0 44.6 66.8#

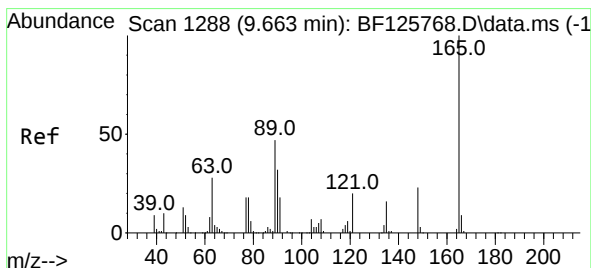
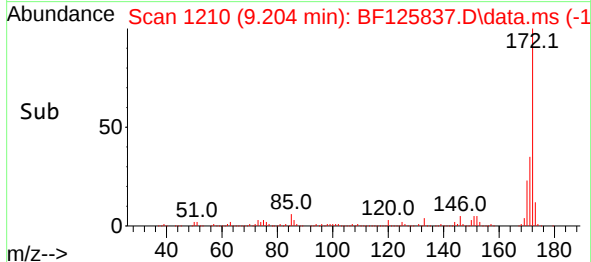
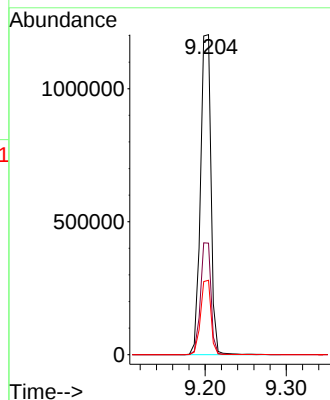
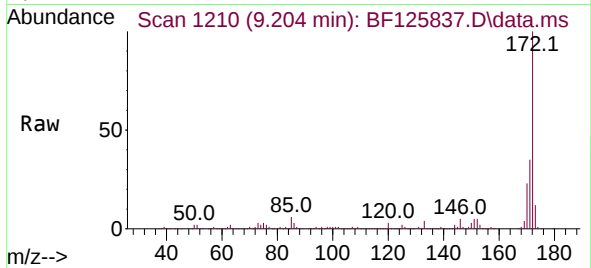




#45
2-Fluorobiphenyl
Concen: 61.842 ng
RT: 9.204 min Scan# 1210
Delta R.T. 0.000 min
Lab File: BF125837.D
Acq: 13 Oct 2021 20:56

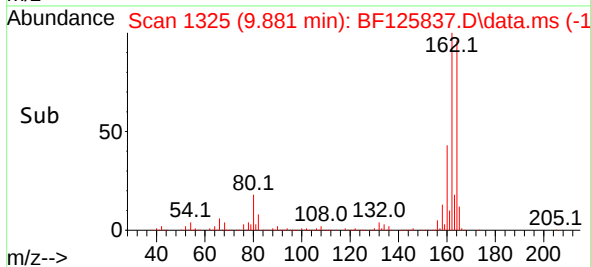
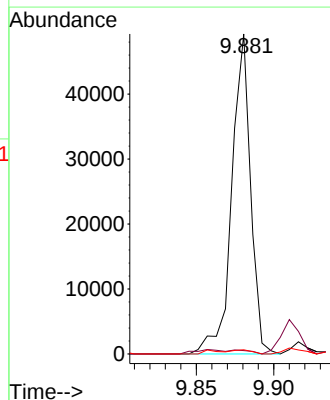
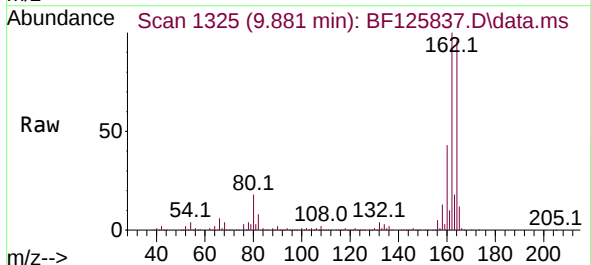
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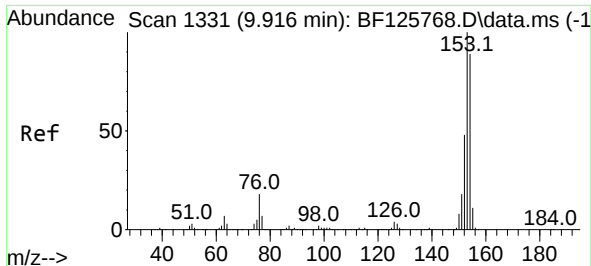
Tgt Ion:172 Resp: 1084789
Ion Ratio Lower Upper
172 100
171 34.9 26.5 39.7
170 23.2 18.8 28.2



#51
2,6-Dinitrotoluene
Concen: 10.313 ng
RT: 9.881 min Scan# 1325
Delta R.T. 0.218 min
Lab File: BF125837.D
Acq: 13 Oct 2021 20:56

Tgt Ion:165 Resp: 41517
Ion Ratio Lower Upper
165 100
63 1.1 42.6 63.8#
89 1.3 40.6 60.8#

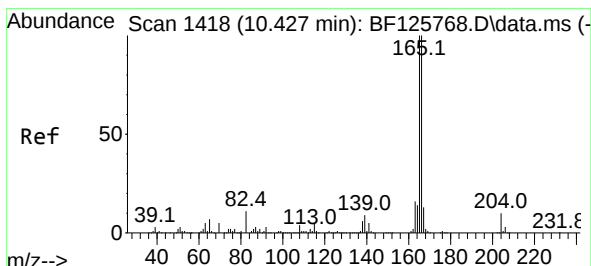
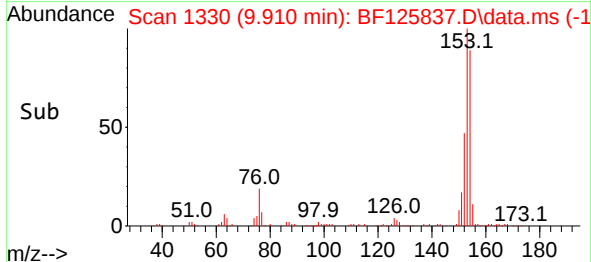
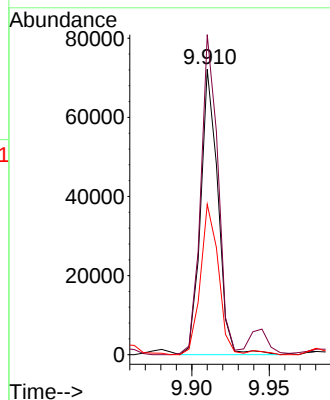
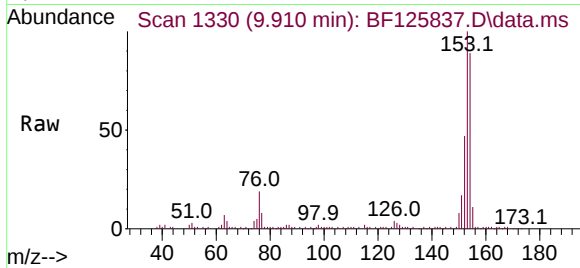




#52
Acenaphthene
Concen: 3.386 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF125837.D
Acq: 13 Oct 2021 20:56

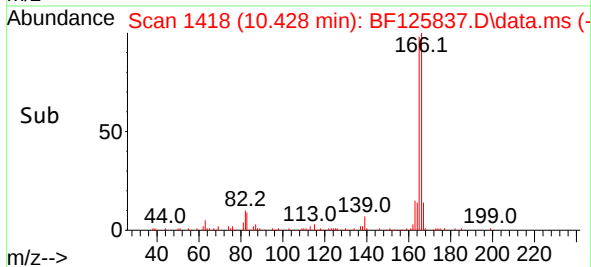
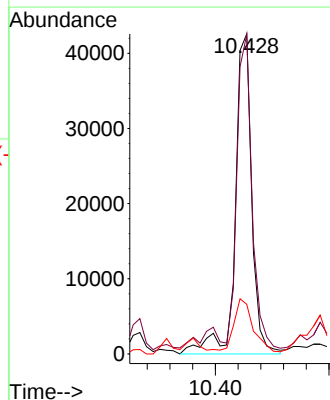
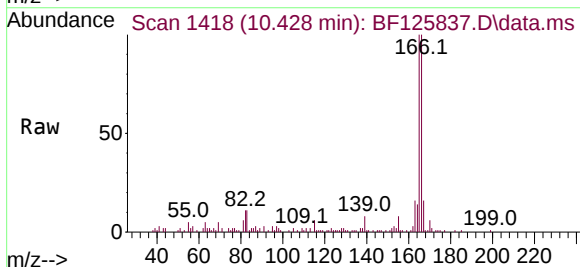
Instrument :
BNA_F
ClientSampleId :
20-20211007-WC

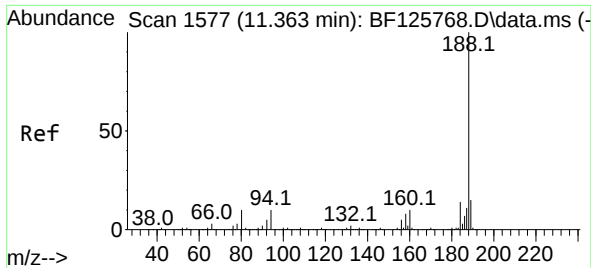
Tgt Ion:154 Resp: 55953
Ion Ratio Lower Upper
154 100
153 112.2 89.4 134.2
152 52.7 40.5 60.7



#58
Fluorene
Concen: 2.360 ng
RT: 10.428 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF125837.D
Acq: 13 Oct 2021 20:56

Tgt Ion:166 Resp: 42795
Ion Ratio Lower Upper
166 100
165 99.8 78.1 117.1
167 15.5 11.1 16.7

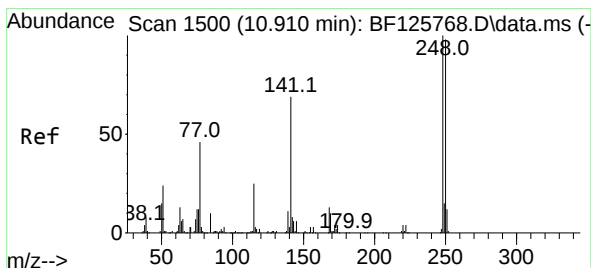
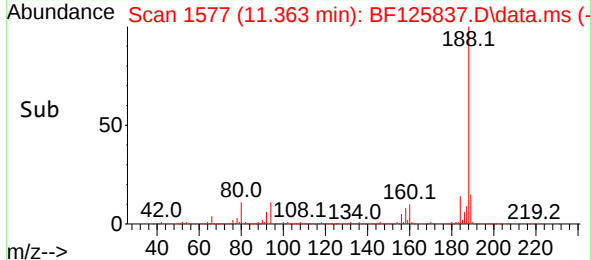
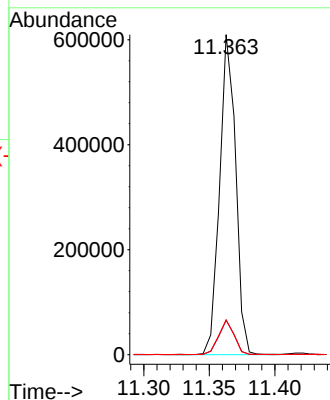
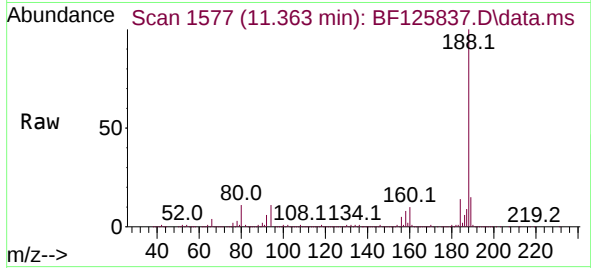




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF125837.D
Acq: 13 Oct 2021 20:56

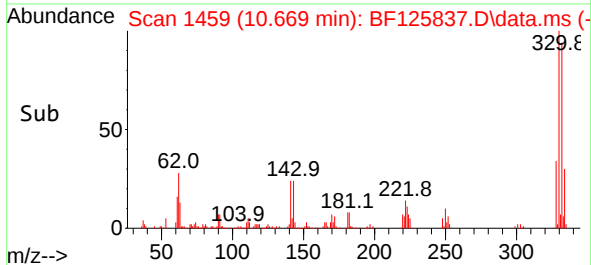
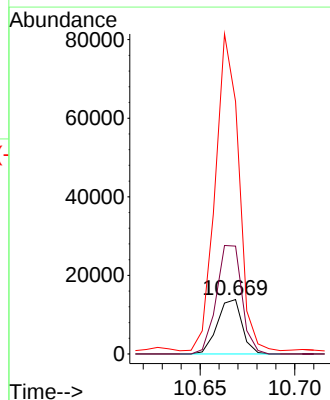
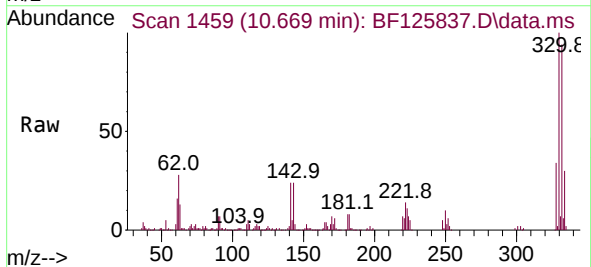
Instrument :
BNA_F
ClientSampleId :
20-20211007-WC

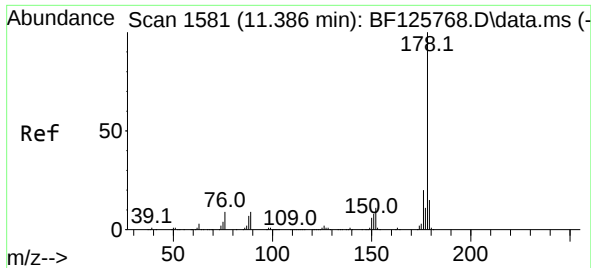
Tgt Ion:188 Resp: 516769
Ion Ratio Lower Upper
188 100
94 10.8 6.7 10.1#
80 10.9 7.5 11.3



#67
4-Bromophenyl-phenylether
Concen: 2.199 ng
RT: 10.669 min Scan# 1459
Delta R.T. -0.241 min
Lab File: BF125837.D
Acq: 13 Oct 2021 20:56

Tgt Ion:248 Resp: 12584
Ion Ratio Lower Upper
248 100
250 198.0 74.2 111.4#
141 463.5 60.4 90.6#

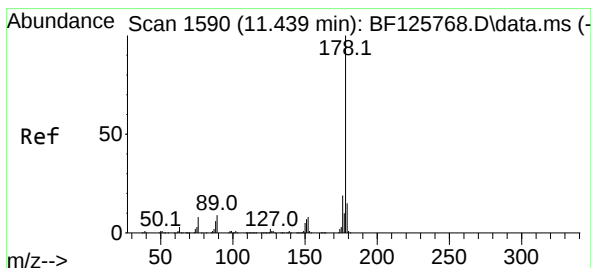
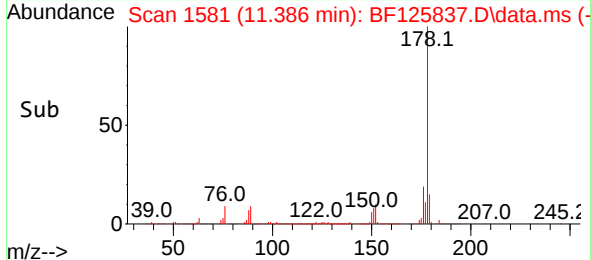
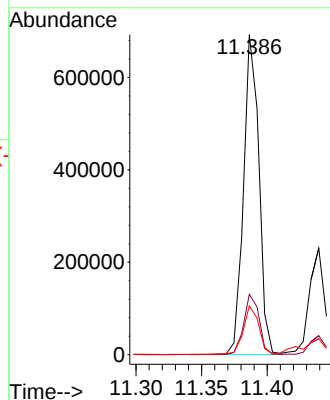
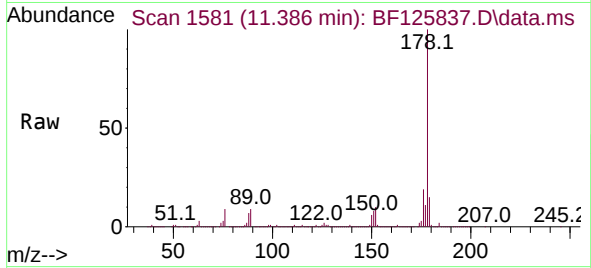




#71
Phenanthrene
Concen: 20.426 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF125837.D
Acq: 13 Oct 2021 20:56

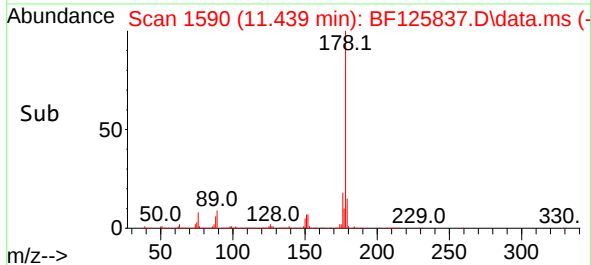
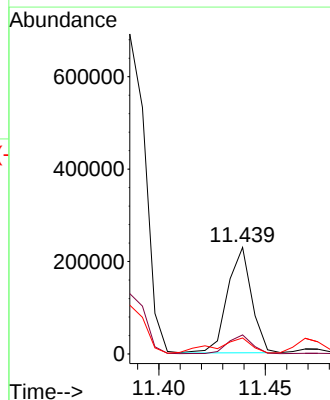
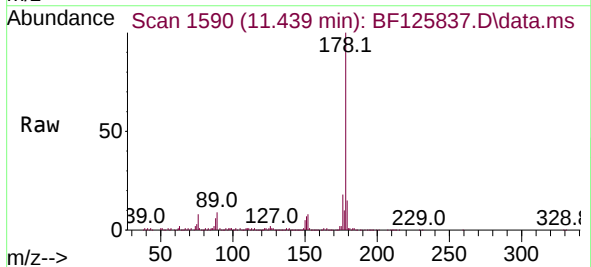
Instrument :
BNA_F
ClientSampleId :
20-20211007-WC

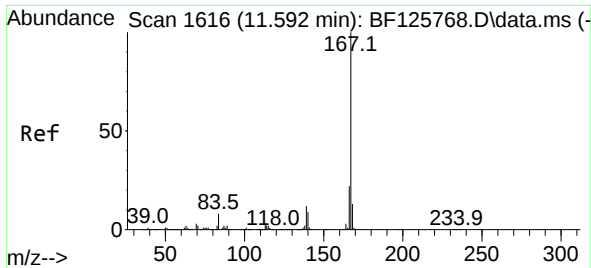
Tgt Ion:178 Resp: 564766
Ion Ratio Lower Upper
178 100
176 18.8 14.7 22.1
179 15.3 11.5 17.3



#72
Anthracene
Concen: 6.527 ng
RT: 11.439 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BF125837.D
Acq: 13 Oct 2021 20:56

Tgt Ion:178 Resp: 180241
Ion Ratio Lower Upper
178 100
176 17.9 14.3 21.5
179 15.0 12.2 18.4

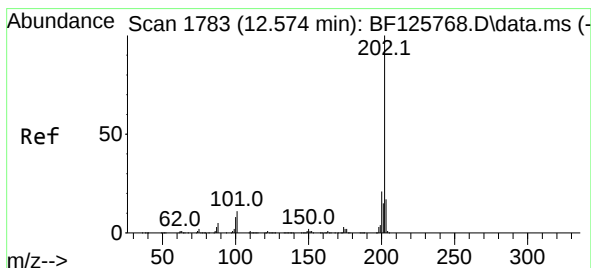
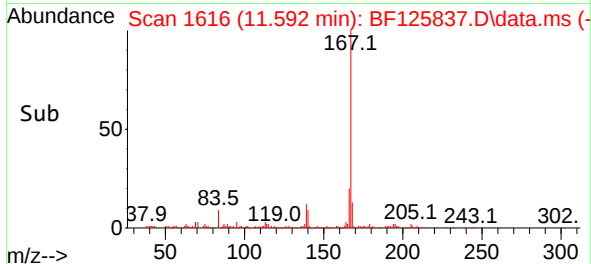
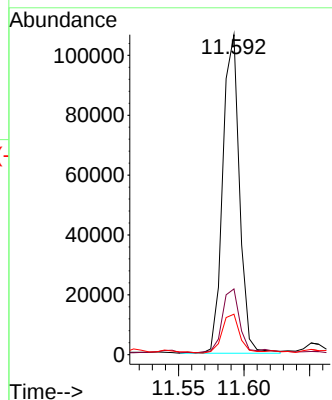
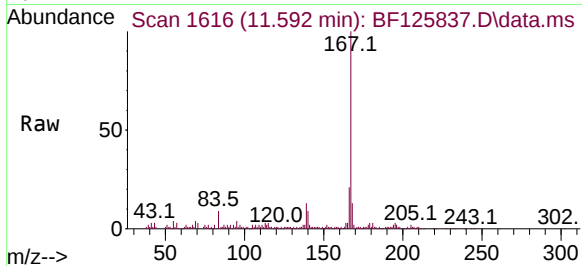




#73
 Carbazole
 Concen: 3.670 ng
 RT: 11.592 min Scan# 1616
 Delta R.T. 0.000 min
 Lab File: BF125837.D
 Acq: 13 Oct 2021 20:56

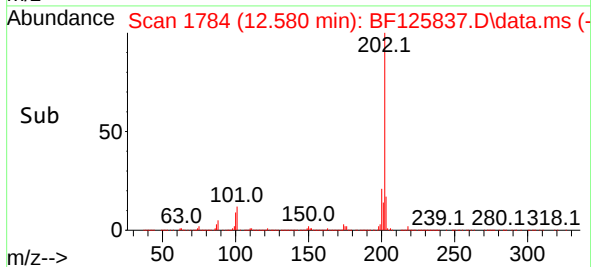
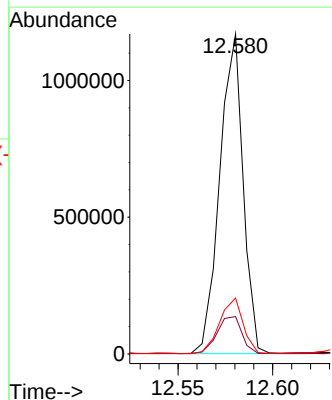
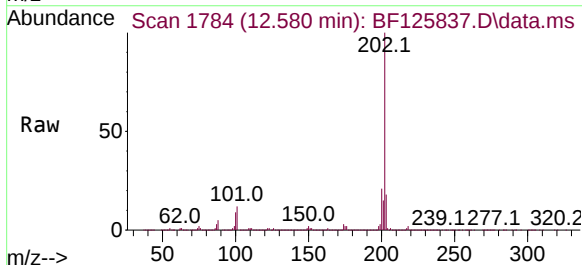
Instrument :
 BNA_F
 ClientSampleId :
 20-20211007-WC

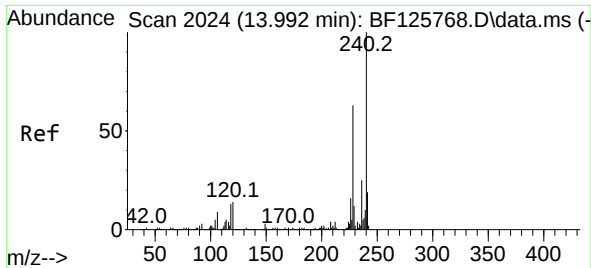
Tgt Ion:167 Resp: 94331
 Ion Ratio Lower Upper
 167 100
 166 20.6 17.4 26.0
 139 12.6 11.0 16.4



#75
 Fluoranthene
 Concen: 40.103 ng
 RT: 12.580 min Scan# 1784
 Delta R.T. 0.006 min
 Lab File: BF125837.D
 Acq: 13 Oct 2021 20:56

Tgt Ion:202 Resp: 1000510
 Ion Ratio Lower Upper
 202 100
 101 11.7 0.0 30.7
 203 17.5 0.0 36.3

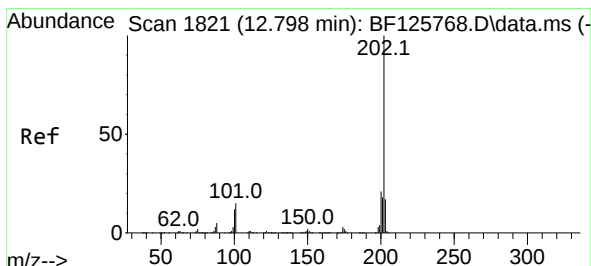
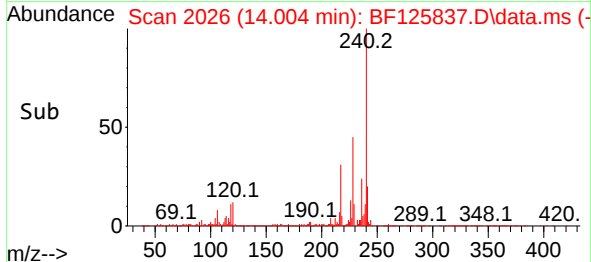
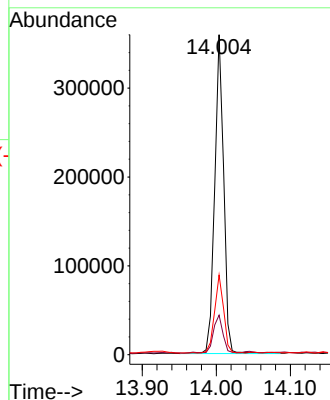
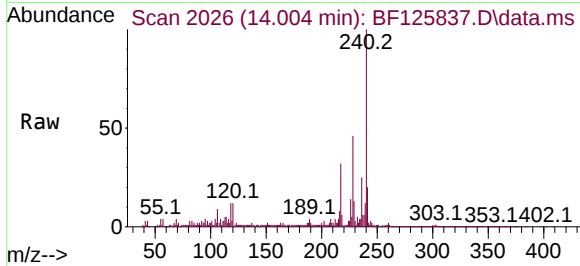




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF125837.D
Acq: 13 Oct 2021 20:56

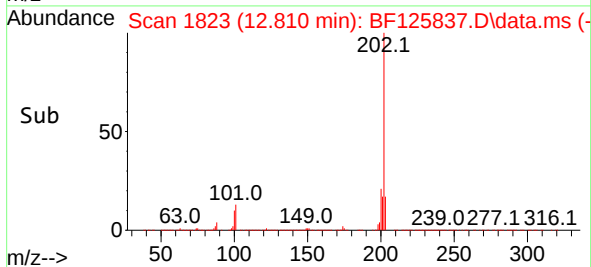
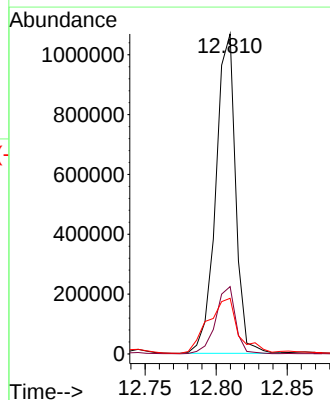
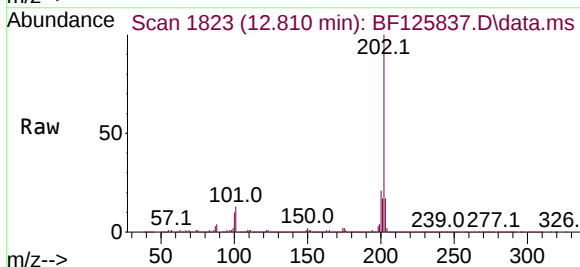
Instrument :
BNA_F
ClientSampleId :
20-20211007-WC

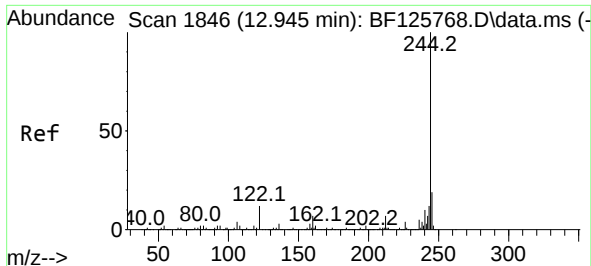
Tgt Ion:240	Resp: 300664
Ion Ratio	Lower Upper
240	100
120	12.4 10.8 16.2
236	24.9 21.6 32.4



#78
Pyrene
Concen: 33.830 ng
RT: 12.810 min Scan# 1823
Delta R.T. 0.006 min
Lab File: BF125837.D
Acq: 13 Oct 2021 20:56

Tgt Ion:202	Resp: 1033361
Ion Ratio	Lower Upper
202	100
200	21.1 15.3 22.9
203	17.4 13.4 20.0

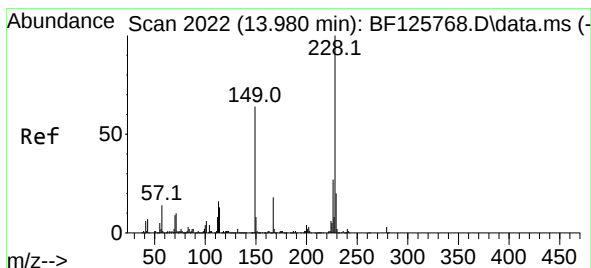
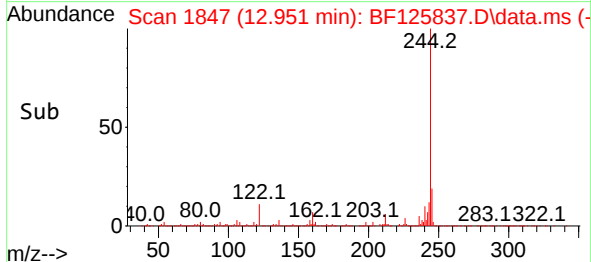
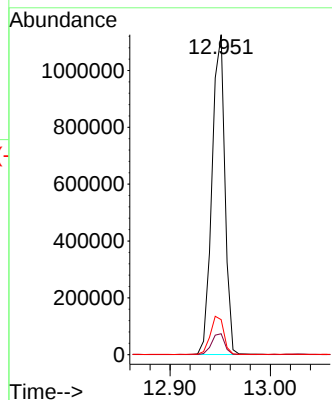
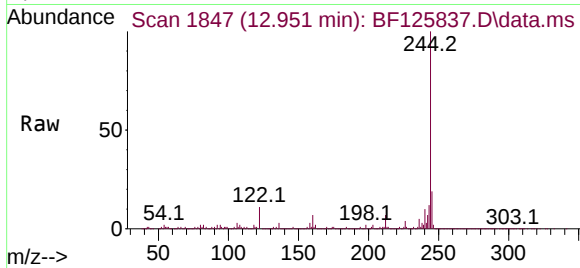




#79
 Terphenyl-d14
 Concen: 51.058 ng
 RT: 12.951 min Scan# 1847
 Delta R.T. 0.006 min
 Lab File: BF125837.D
 Acq: 13 Oct 2021 20:56

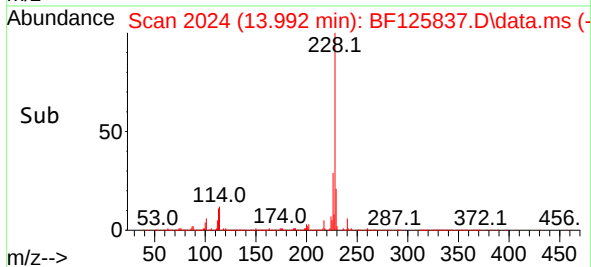
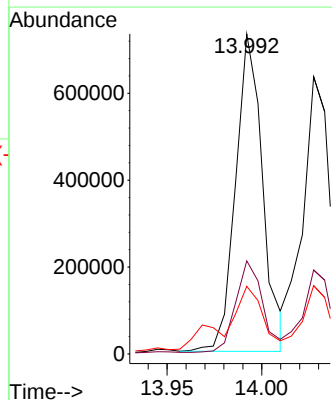
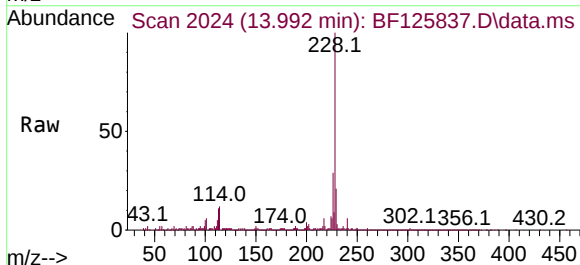
Instrument :
 BNA_F
 ClientSampleId :
 20-20211007-WC

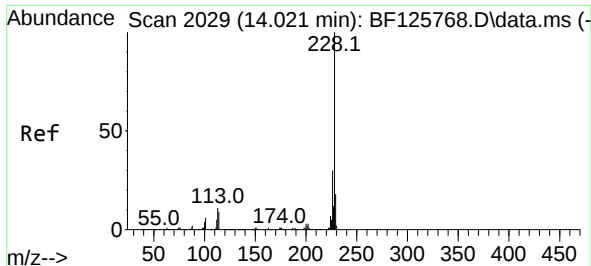
Tgt Ion:244 Resp: 1007797
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.9 8.9
 122 10.9 9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 37.084 ng
 RT: 13.992 min Scan# 2024
 Delta R.T. 0.006 min
 Lab File: BF125837.D
 Acq: 13 Oct 2021 20:56

Tgt Ion:228 Resp: 723379
 Ion Ratio Lower Upper
 228 100
 226 29.1 21.6 32.4
 229 21.1 15.6 23.4

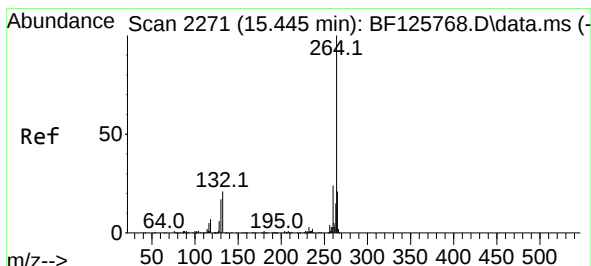
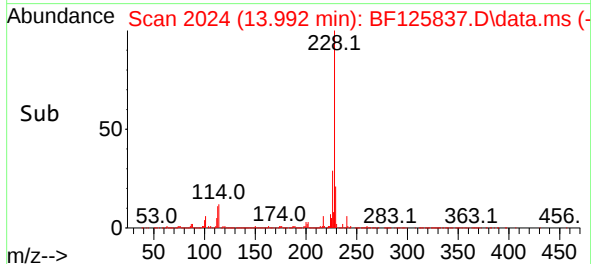
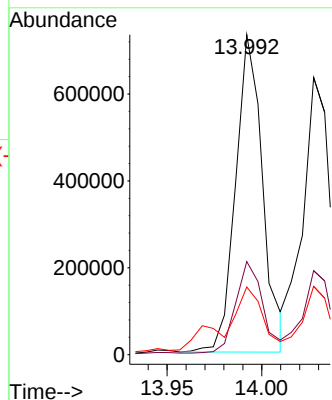
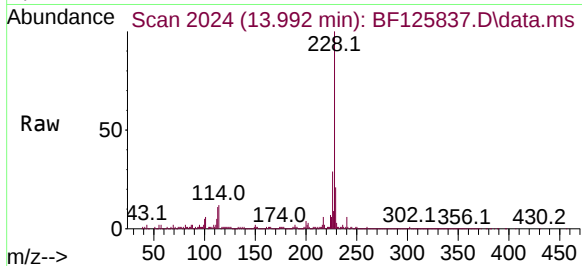




#83
Chrysene
Concen: 37.518 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.035 min
Lab File: BF125837.D
Acq: 13 Oct 2021 20:56

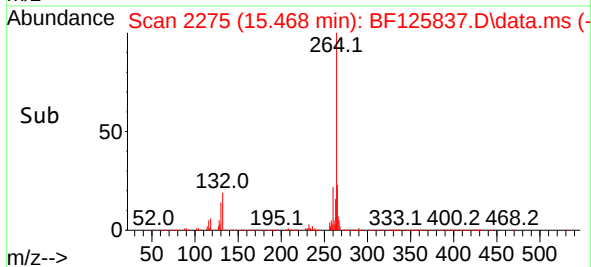
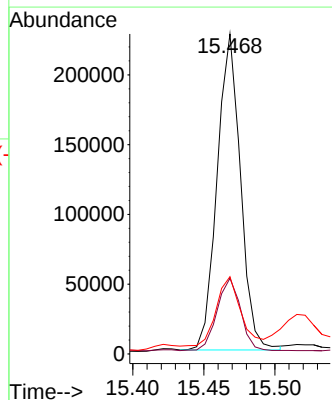
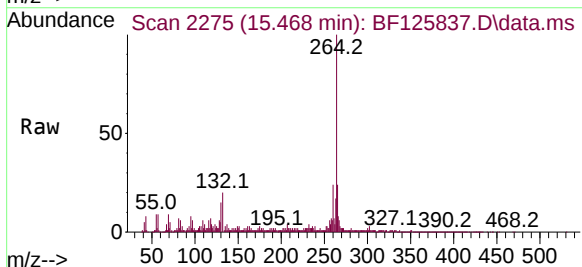
Instrument :
BNA_F
ClientSampleId :
20-20211007-WC

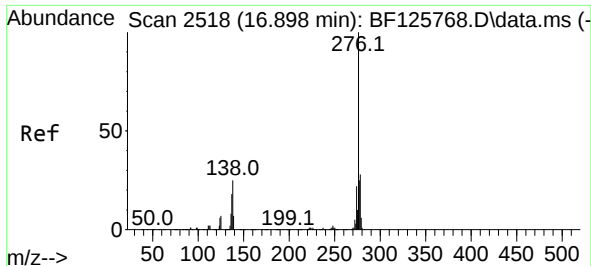
Tgt Ion:228 Resp: 723379
Ion Ratio Lower Upper
228 100
226 29.1 22.6 34.0
229 21.1 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2275
Delta R.T. 0.018 min
Lab File: BF125837.D
Acq: 13 Oct 2021 20:56

Tgt Ion:264 Resp: 259145
Ion Ratio Lower Upper
264 100
260 23.6 19.6 29.4
265 24.2 17.2 25.8

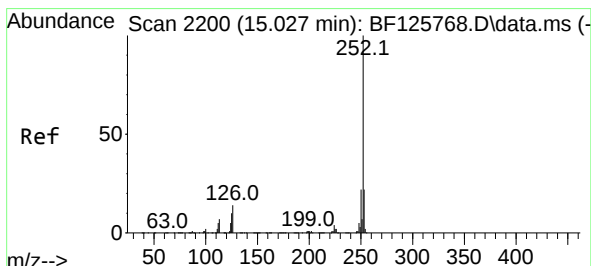
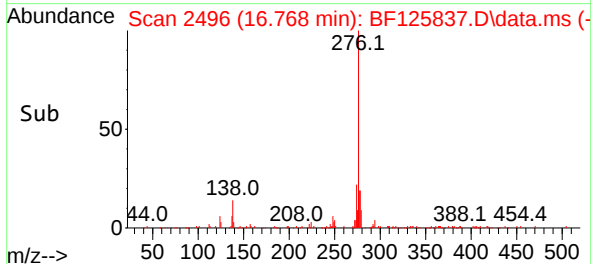
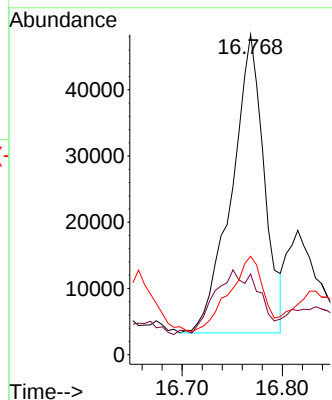
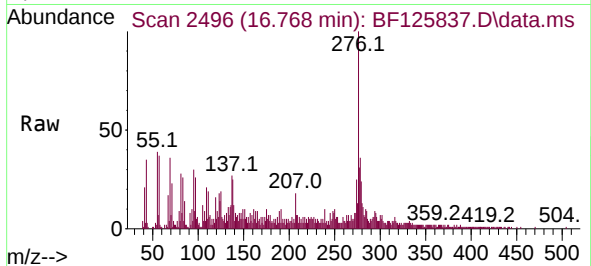




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.149 ng
RT: 16.768 min Scan# 2496
Delta R.T. -0.141 min
Lab File: BF125837.D
Acq: 13 Oct 2021 20:56

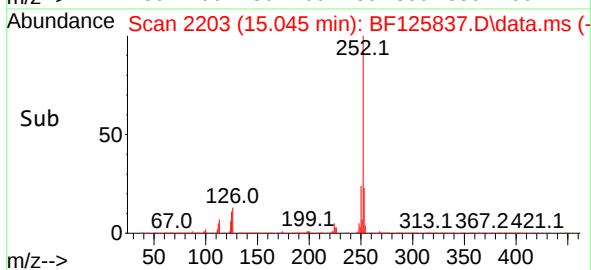
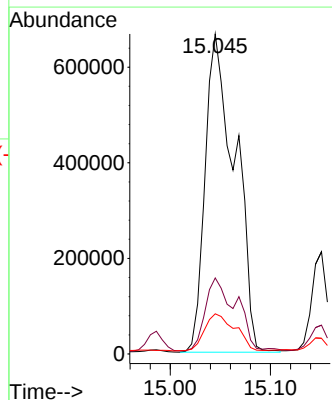
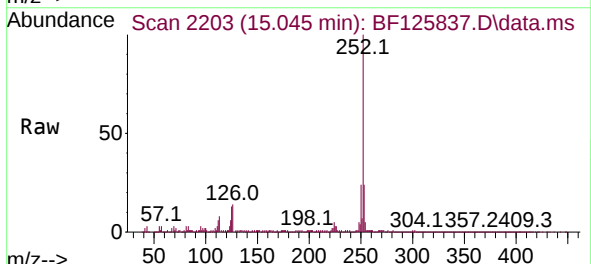
Instrument :
BNA_F
ClientSampleId :
20-20211007-WC

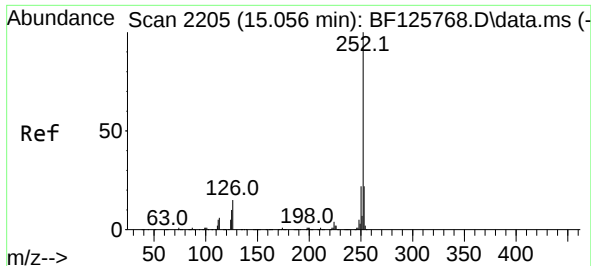
Tgt Ion:276 Resp: 101838
Ion Ratio Lower Upper
276 100
138 29.5 24.1 36.1
277 26.7 18.8 28.2



#88
Benzo(b)fluoranthene
Concen: 94.723 ng
RT: 15.045 min Scan# 2203
Delta R.T. 0.018 min
Lab File: BF125837.D
Acq: 13 Oct 2021 20:56

Tgt Ion:252 Resp: 1385848
Ion Ratio Lower Upper
252 100
253 23.8 16.8 25.2
125 12.5 9.8 14.8





#89

Benzo(k)fluoranthene

Concen: 92.259 ng

RT: 15.045 min Scan# 2203

Delta R.T. -0.018 min

Lab File: BF125837.D

Acq: 13 Oct 2021 20:56

Tgt Ion:252 Resp: 1385848

Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.8

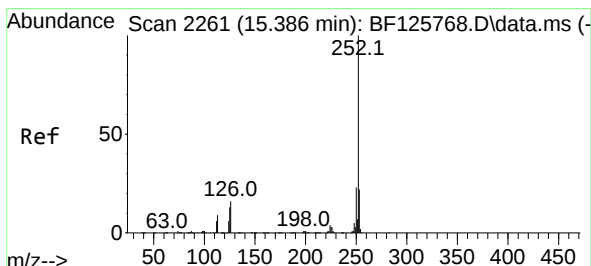
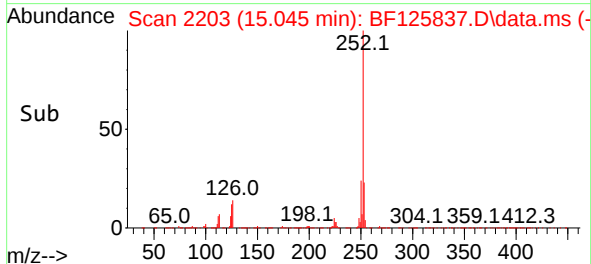
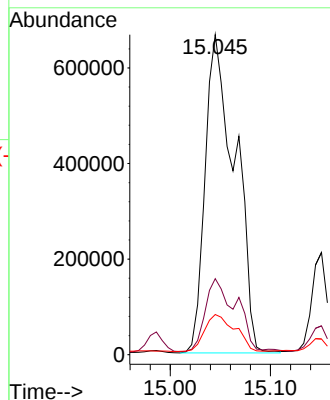
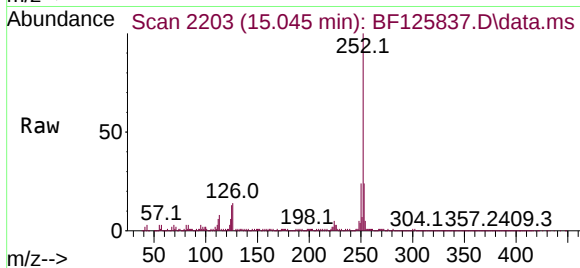
125 12.5 7.2 10.8#

Instrument :

BNA_F

ClientSampleId :

20-20211007-WC



#90

Benzo(a)pyrene

Concen: 68.677 ng

RT: 15.410 min Scan# 2265

Delta R.T. 0.018 min

Lab File: BF125837.D

Acq: 13 Oct 2021 20:56

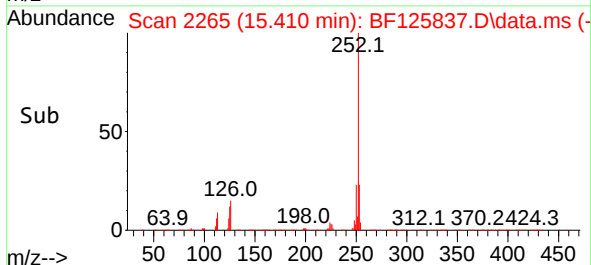
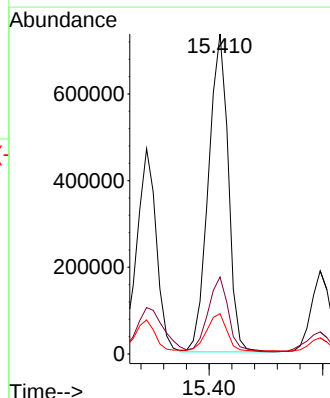
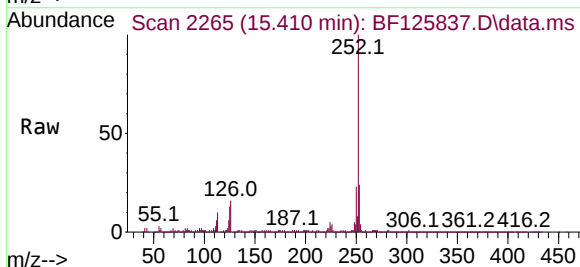
Tgt Ion:252 Resp: 889804

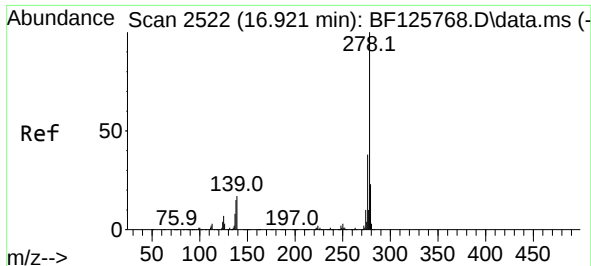
Ion Ratio Lower Upper

252 100

253 24.1 18.4 27.6

125 12.6 9.9 14.9

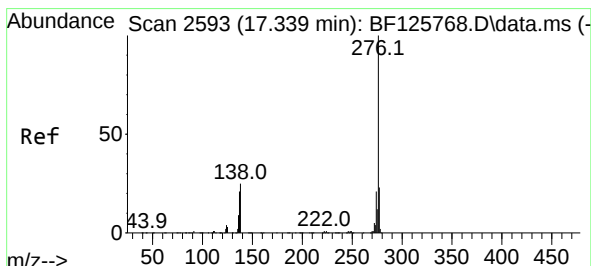
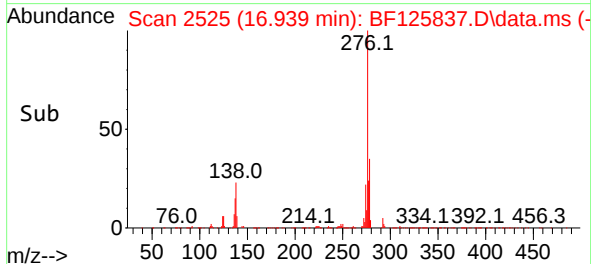
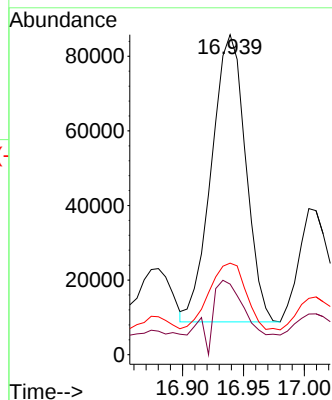
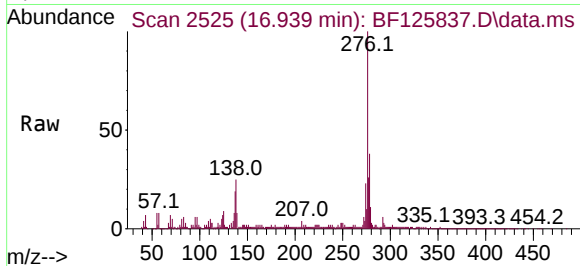




#91
Dibenzo(a,h)anthracene
Concen: 9.214 ng
RT: 16.939 min Scan# 2525
Delta R.T. 0.012 min
Lab File: BF125837.D
Acq: 13 Oct 2021 20:56

Instrument :
BNA_F
ClientSampleId :
20-20211007-WC

Tgt Ion:	278	Resp:	150331
Ion Ratio	Lower	Upper	
278	100		
139	22.1	14.9	22.3
279	28.6	19.7	29.5



#92
Benzo(g,h,i)perylene
Concen: 30.042 ng
RT: 17.374 min Scan# 2599
Delta R.T. 0.024 min
Lab File: BF125837.D
Acq: 13 Oct 2021 20:56

Tgt Ion:	276	Resp:	500540
Ion Ratio	Lower	Upper	
276	100		
277	24.4	22.0	33.0
138	25.6	22.2	33.4

