

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062122\
 Data File : BF128916.D
 Acq On : 22 Jun 2022 00:19
 Operator : CG\JU
 Sample : N3421-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-3-0-2-20220620

Quant Time: Jun 22 01:57:50 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 01:02:29 2022
 Response via : Initial Calibration

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

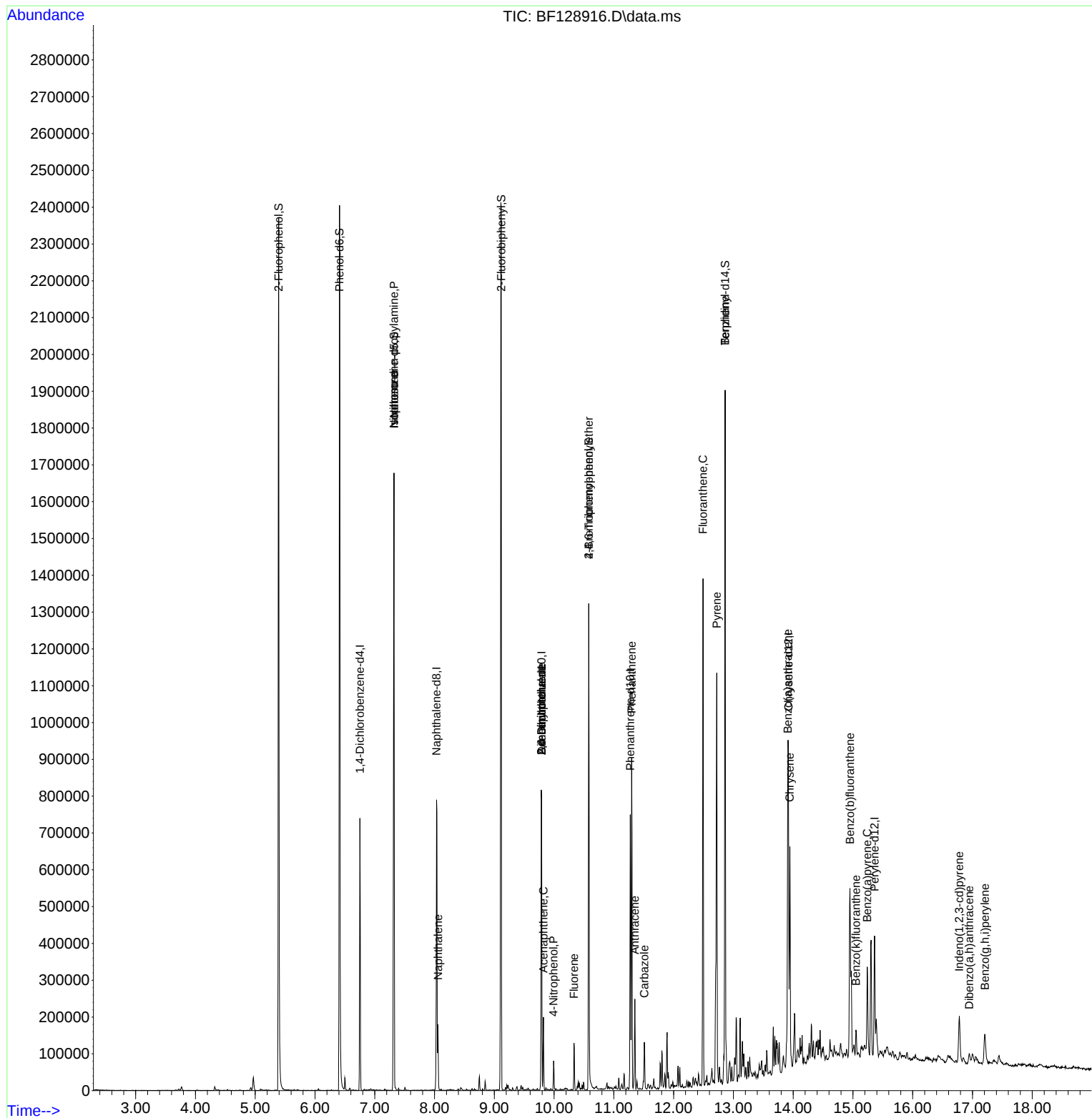
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.751	152	93103	20.00	ng	0.00
21) Naphthalene-d8	8.033	136	337223	20.00	ng	0.00
39) Acenaphthene-d10	9.792	164	164162	20.00	ng	0.00
64) Phenanthrene-d10	11.274	188	255030	20.00	ng	# 0.00
76) Chrysene-d12	13.921	240	192130	20.00	ng	# 0.00
86) Perylene-d12	15.362	264	138894	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.392	112	548436	93.83	ng	0.00
7) Phenol-d6	6.410	99	706180	98.97	ng	0.00
23) Nitrobenzene-d5	7.322	82	496416	68.54	ng	0.00
42) 2,4,6-Tribromophenol	10.580	330	139896	72.12	ng	0.00
45) 2-Fluorobiphenyl	9.116	172	753767	64.32	ng	0.00
79) Terphenyl-d14	12.863	244	564165	51.02	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.322	70	69177	15.59	ng	# 79
25) Isophorone	7.322	82	496410	45.13	ng	# 65
31) Naphthalene	8.057	128	63515	3.67	ng	99
50) Dimethylphthalate	9.792	163	30620	2.73	ng	# 1
51) 2,6-Dinitrotoluene	9.792	165	21296	9.60	ng	# 25
52) Acenaphthene	9.822	154	35536	3.79	ng	98
56) 4-Nitrophenol	9.992	139	10435	5.98	ng	# 9
57) 2,4-Dinitrotoluene	9.792	165	21296	7.20	ng	# 21
58) Fluorene	10.333	166	31240	2.99	ng	# 98
67) 4-Bromophenyl-phenylether	10.580	248	9194	3.23	ng	# 1
71) Phenanthrene	11.298	178	307049	24.00	ng	98
72) Anthracene	11.351	178	82034	6.48	ng	97
73) Carbazole	11.510	167	44247	3.76	ng	98
75) Fluoranthene	12.492	202	502515	37.58	ng	96
77) Benzidine	12.863	184	8556	2.23	ng	# 88
78) Pyrene	12.721	202	432529	30.26	ng	98
81) Benzo(a)anthracene	13.910	228	276944	23.12	ng	99
83) Chrysene	13.945	228	213612	18.71	ng	97
87) Indeno(1,2,3-cd)pyrene	16.780	276	73502	8.78	ng	# 90
88) Benzo(b)fluoranthene	14.951	252	330291	37.22	ng	98
89) Benzo(k)fluoranthene	15.051	252	29799	3.57	ng	93
90) Benzo(a)pyrene	15.239	252	108961	15.62	ng	99
91) Dibenzo(a,h)anthracene	16.945	278	15485	2.23	ng	98
92) Benzo(g,h,i)perylene	17.209	276	68744	9.99	ng	# 93

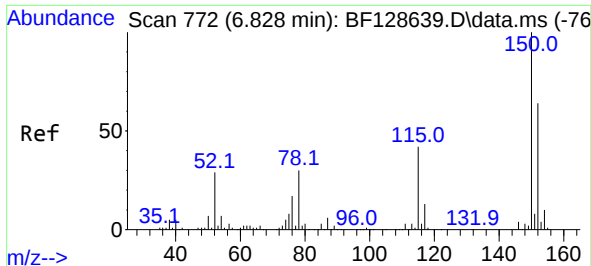
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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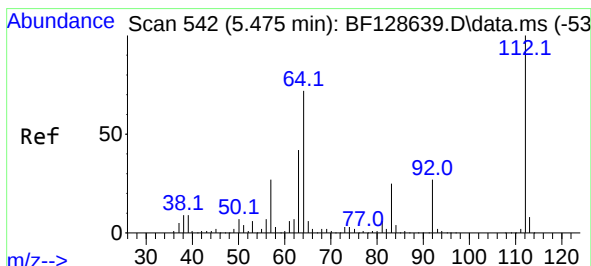
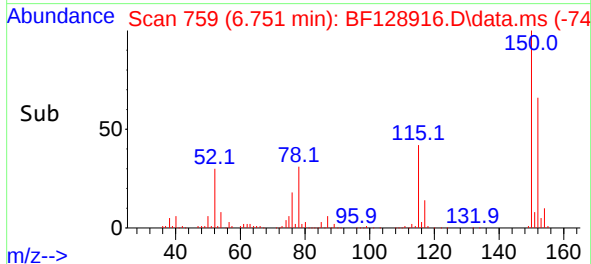
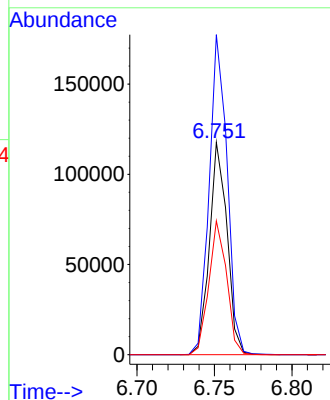
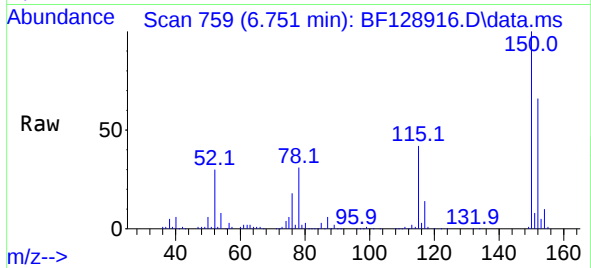




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.751 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

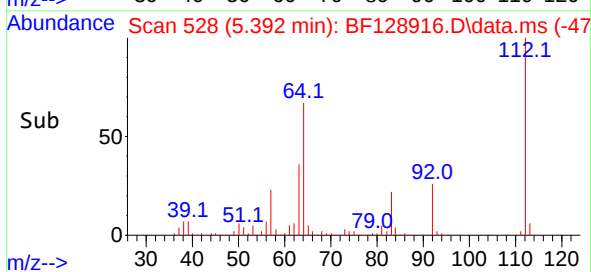
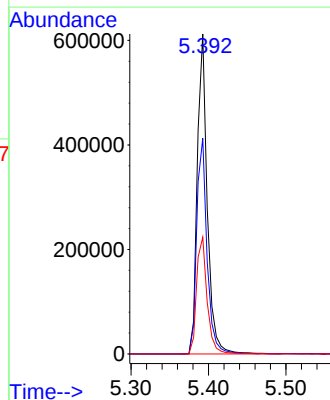
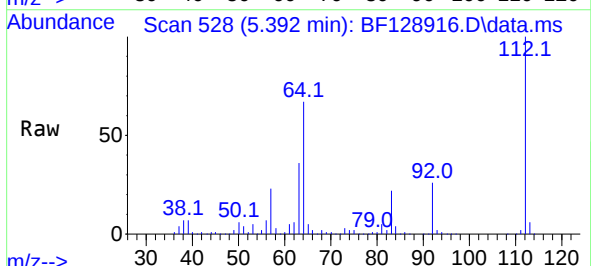
Instrument :
BNA_F
ClientSampleId :
SB-3-0-2-20220620

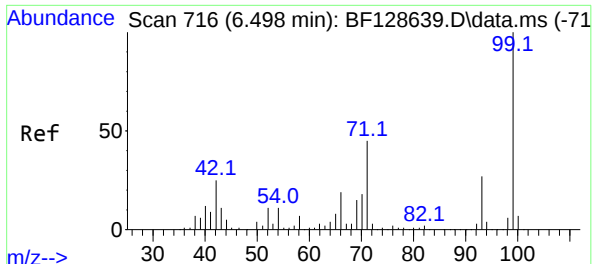
Tgt Ion:152 Resp: 93103
Ion Ratio Lower Upper
152 100
150 150.7 123.7 185.5
115 63.0 49.9 74.9



#5
2-Fluorophenol
Concen: 93.83 ng
RT: 5.392 min Scan# 528
Delta R.T. 0.006 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

Tgt Ion:112 Resp: 548436
Ion Ratio Lower Upper
112 100
64 67.4 53.3 79.9
63 36.5 28.0 42.0

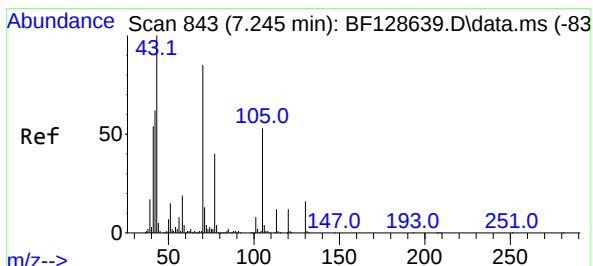
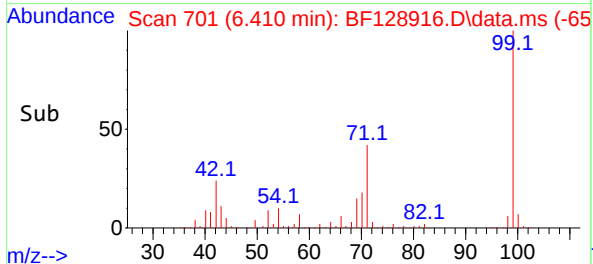
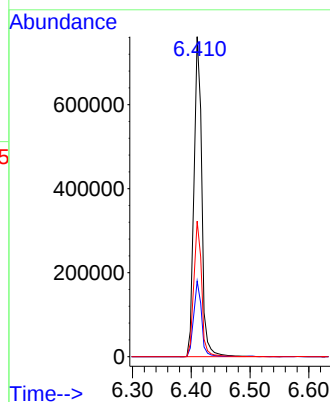
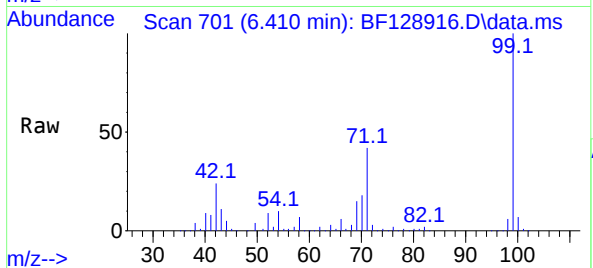




#7
Phenol-d6
Concen: 98.97 ng
RT: 6.410 min Scan# 701
Delta R.T. -0.006 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

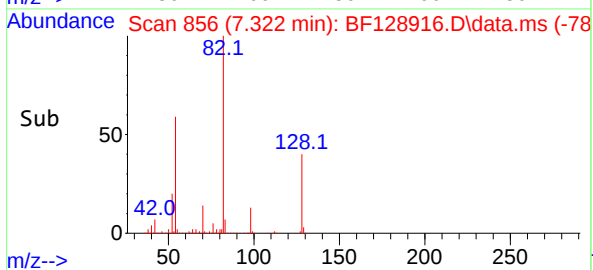
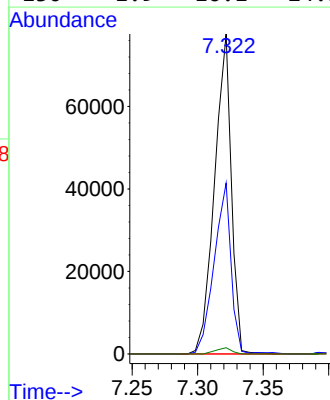
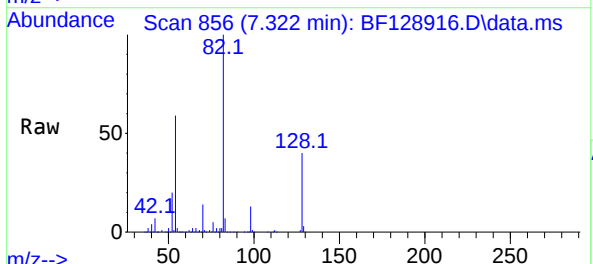
Instrument :
BNA_F
ClientSampleId :
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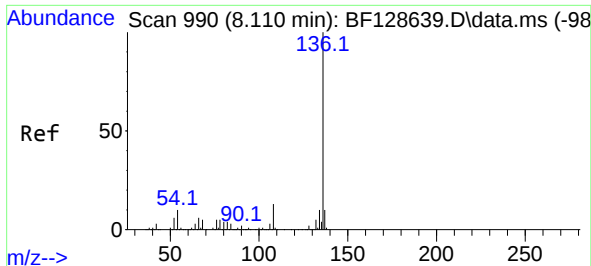
Tgt Ion: 99 Resp: 706180
Ion Ratio Lower Upper
99 100
42 23.6 17.3 25.9
71 42.4 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 15.59 ng
RT: 7.322 min Scan# 856
Delta R.T. 0.141 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

Tgt Ion: 70 Resp: 69177
Ion Ratio Lower Upper
70 100
42 53.4 52.3 78.5
101 0.0 7.5 11.3#
130 1.9 16.1 24.1#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.033 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF128916.D

Acq: 22 Jun 2022 00:19

Instrument :

BNA_F

ClientSampleId :

SB-3-0-2-20220620

Tgt Ion:136 Resp: 337223

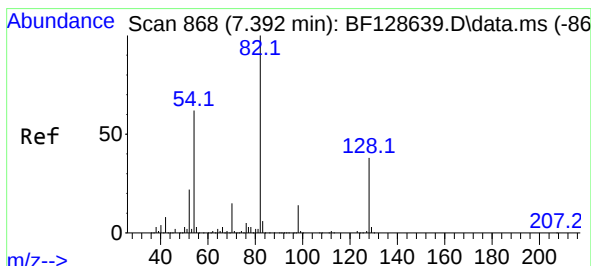
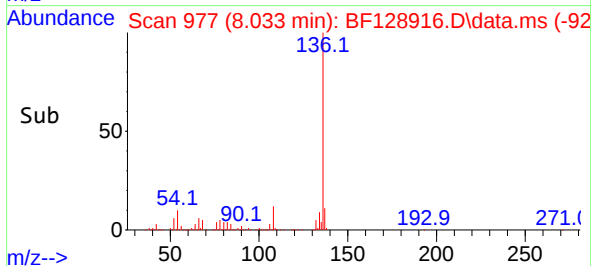
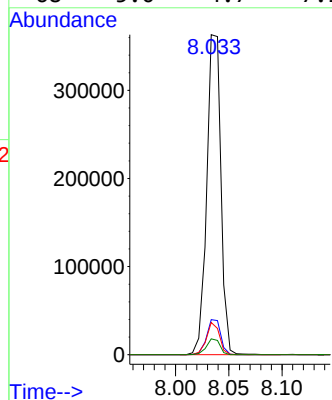
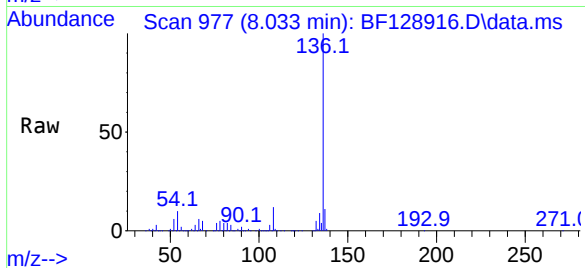
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 10.1 7.5 11.3

68 5.0 4.7 7.1



#23

Nitrobenzene-d5

Concen: 68.54 ng

RT: 7.322 min Scan# 856

Delta R.T. -0.006 min

Lab File: BF128916.D

Acq: 22 Jun 2022 00:19

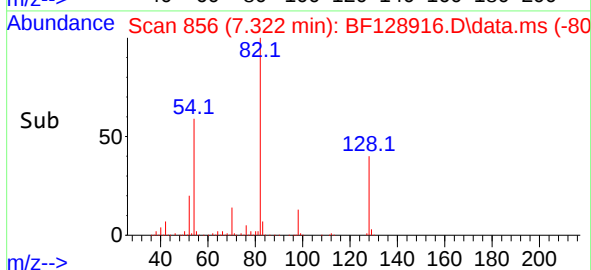
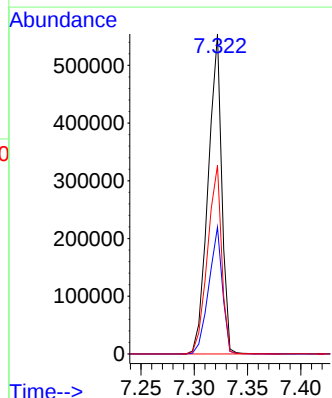
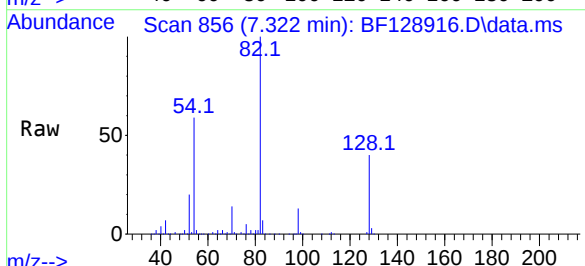
Tgt Ion: 82 Resp: 496416

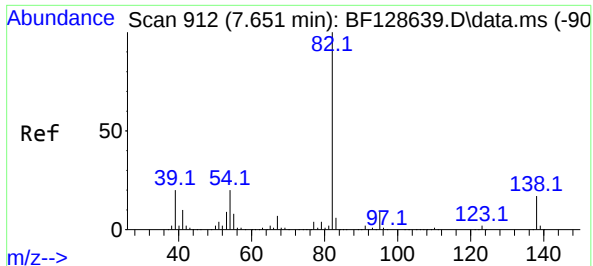
Ion Ratio Lower Upper

82 100

128 39.7 34.0 51.0

54 59.0 46.9 70.3

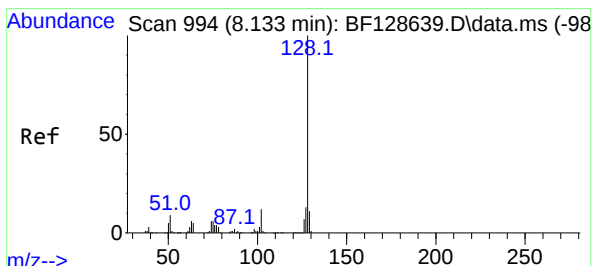
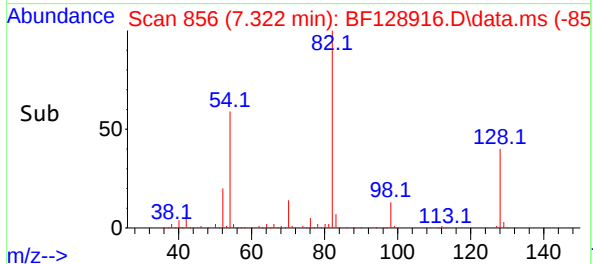
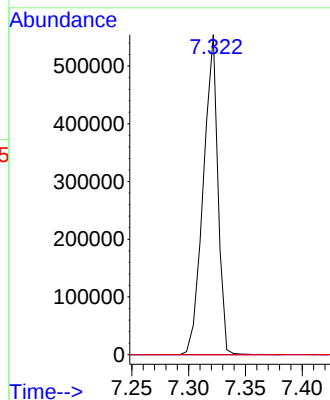
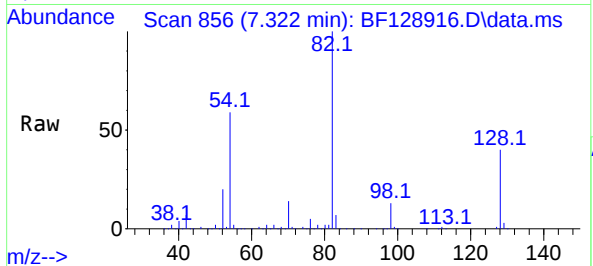




#25
Isophorone
Concen: 45.13 ng
RT: 7.322 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

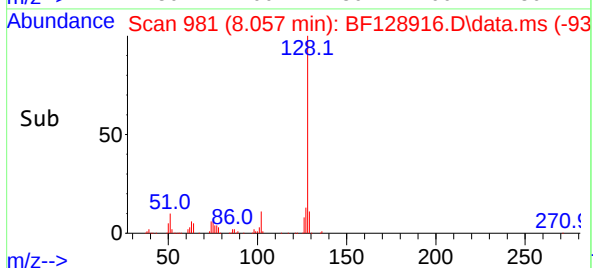
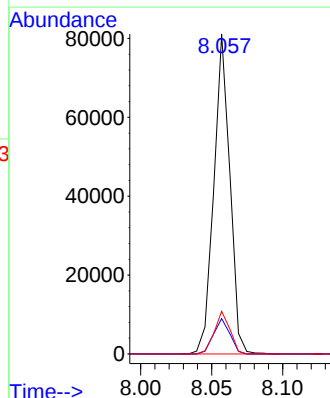
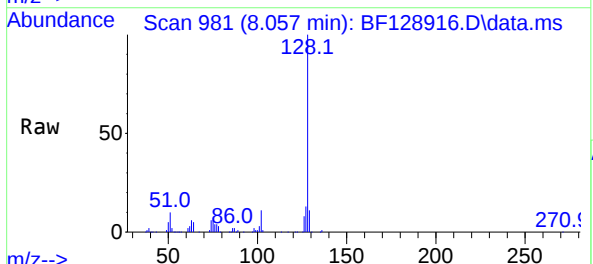
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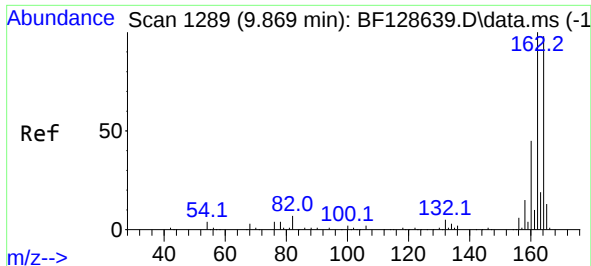
Tgt Ion: 82 Resp: 496410
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#31
Naphthalene
Concen: 3.67 ng
RT: 8.057 min Scan# 981
Delta R.T. -0.006 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

Tgt Ion:128 Resp: 63515
Ion Ratio Lower Upper
128 100
129 11.0 9.2 13.8
127 13.4 10.5 15.7





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.792 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF128916.D

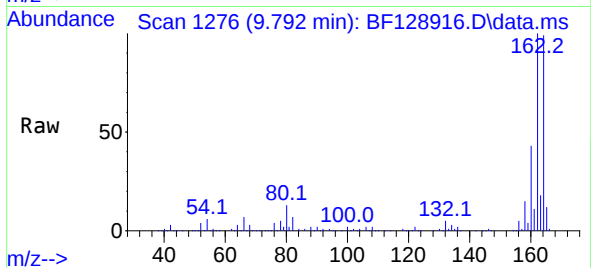
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Instrument :

BNA_F

ClientSampleId :

SB-3-0-2-20220620



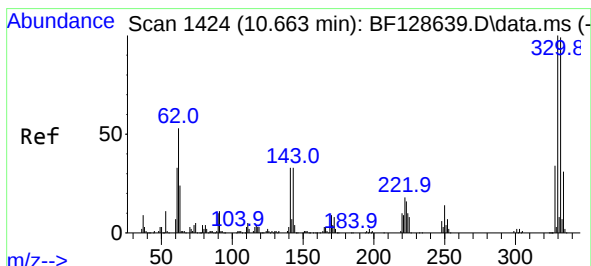
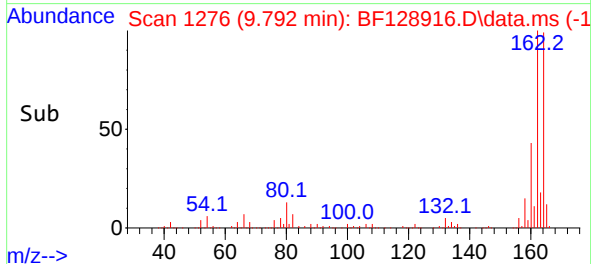
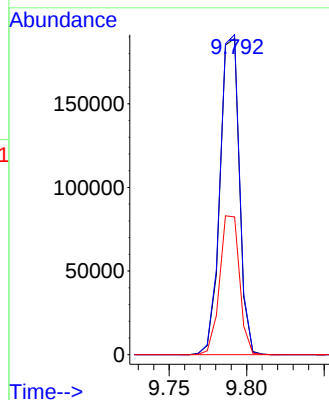
Tgt Ion:164 Resp: 164162

Ion Ratio Lower Upper

164 100

162 101.2 79.5 119.3

160 43.6 34.2 51.4



#42

2,4,6-Tribromophenol

Concen: 72.12 ng

RT: 10.580 min Scan# 1410

Delta R.T. -0.006 min

Lab File: BF128916.D

Acq: 22 Jun 2022 00:19

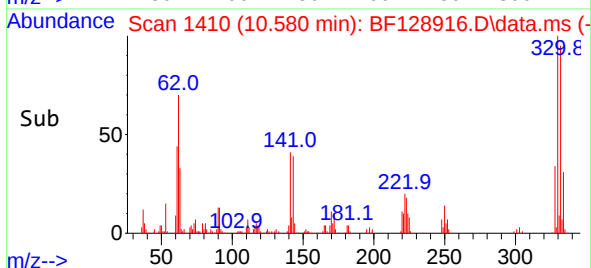
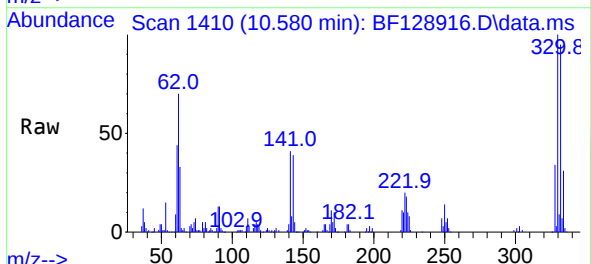
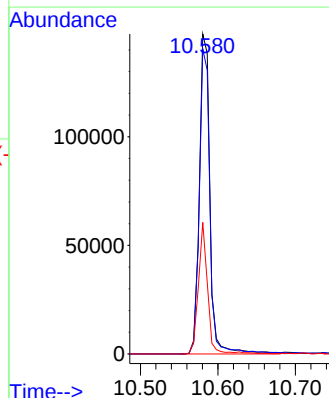
Tgt Ion:330 Resp: 139896

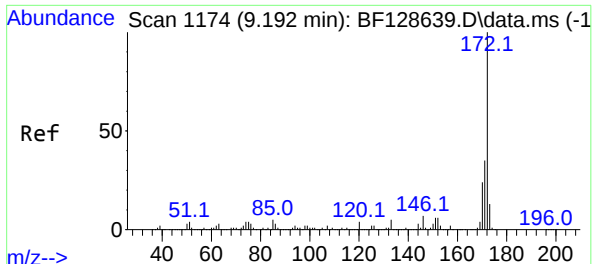
Ion Ratio Lower Upper

330 100

332 95.6 76.8 115.2

141 35.9 28.0 42.0

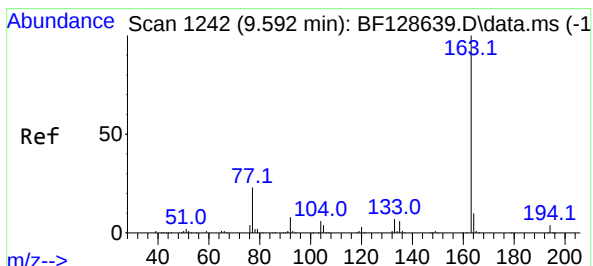
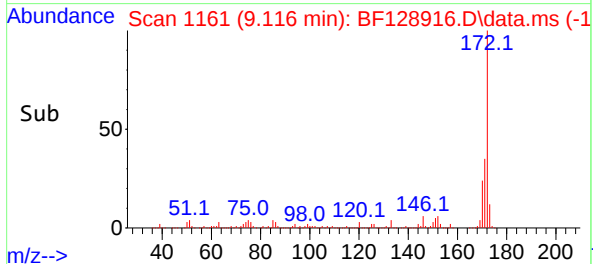
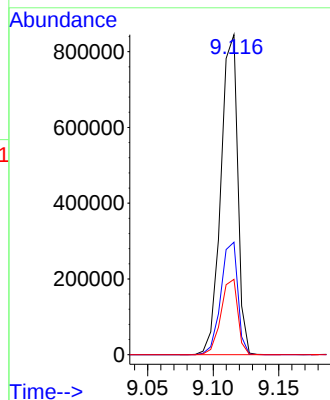
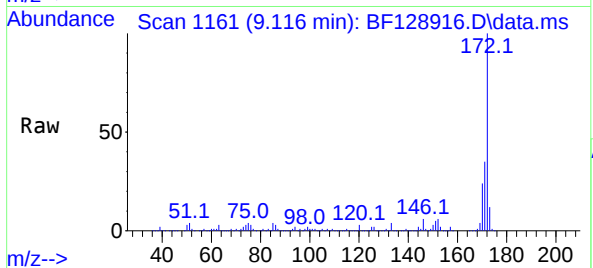




#45
2-Fluorobiphenyl
Concen: 64.32 ng
RT: 9.116 min Scan# 1174
Delta R.T. -0.000 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

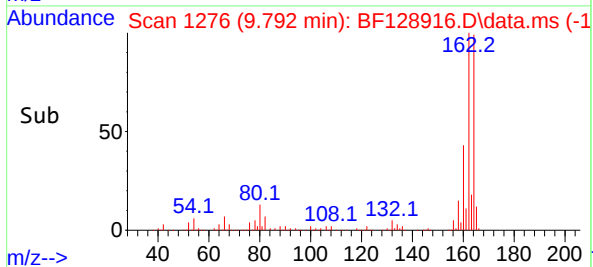
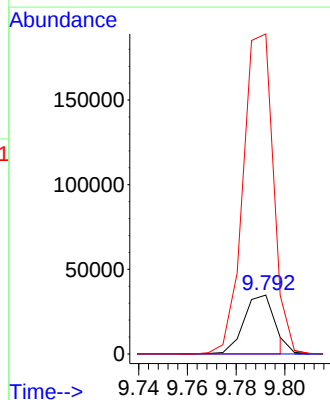
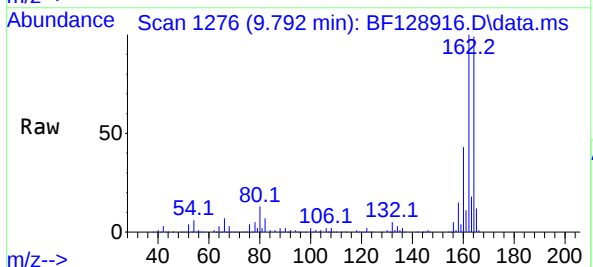
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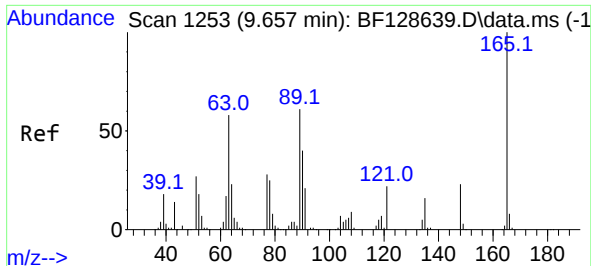
Tgt Ion:172 Resp: 753767
Ion Ratio Lower Upper
172 100
171 35.2 28.8 43.2
170 23.6 19.8 29.8



#50
Dimethylphthalate
Concen: 2.73 ng
RT: 9.792 min Scan# 1276
Delta R.T. 0.271 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

Tgt Ion:163 Resp: 30620
Ion Ratio Lower Upper
163 100
194 0.0 3.2 4.8#
164 543.4 8.2 12.2#

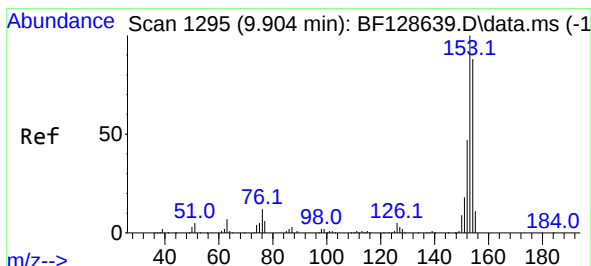
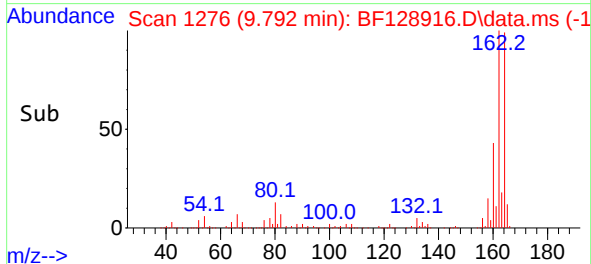
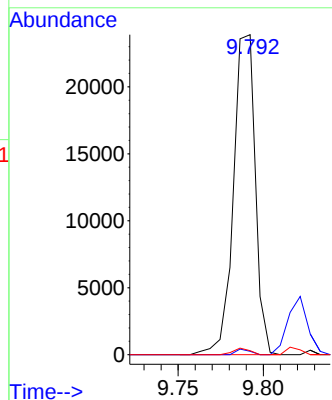
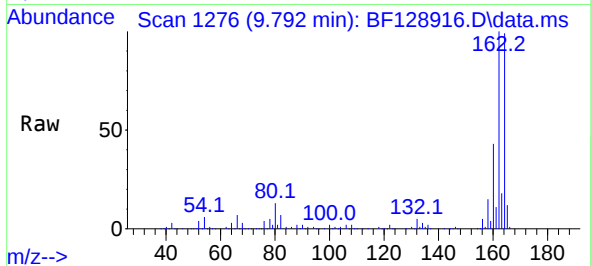




#51
2,6-Dinitrotoluene
Concen: 9.60 ng
RT: 9.792 min Scan# 1281
Delta R.T. 0.206 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

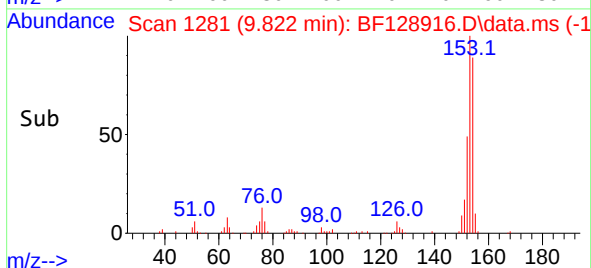
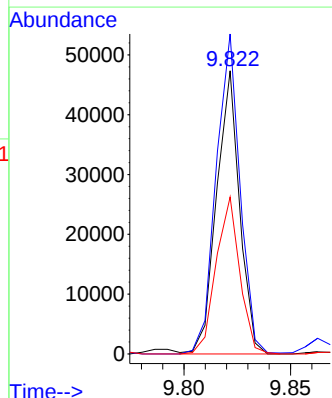
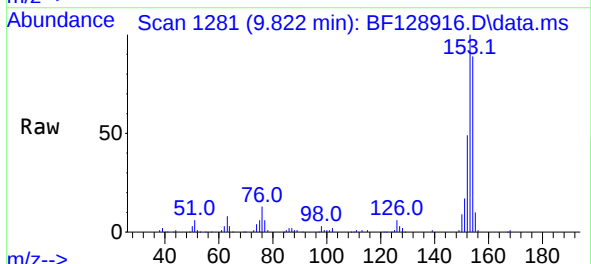
Instrument :
BNA_F
ClientSampleId :
SB-3-0-2-20220620

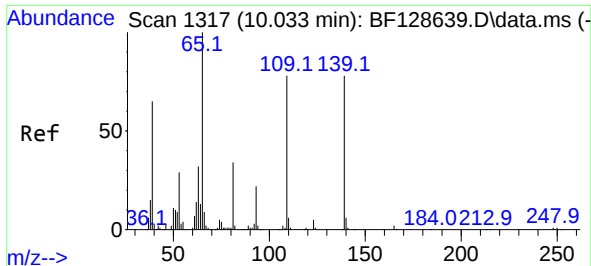
Tgt Ion:165 Resp: 21296
Ion Ratio Lower Upper
165 100
63 1.0 44.9 67.3#
89 1.2 43.6 65.4#



#52
Acenaphthene
Concen: 3.79 ng
RT: 9.822 min Scan# 1281
Delta R.T. -0.006 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

Tgt Ion:154 Resp: 35536
Ion Ratio Lower Upper
154 100
153 113.0 89.6 134.4
152 55.4 42.4 63.6

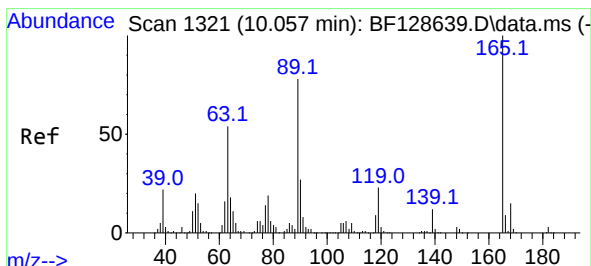
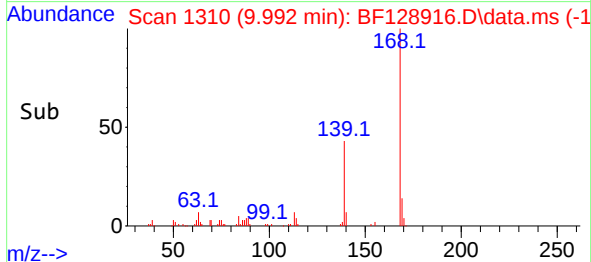
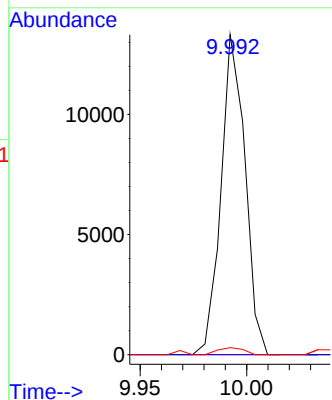
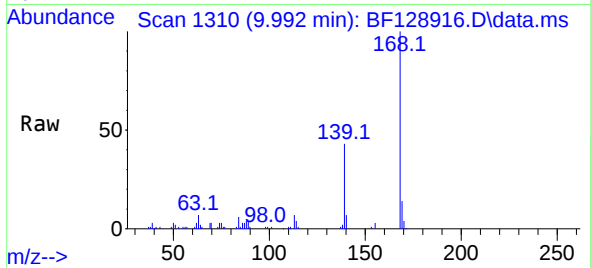




#56
4-Nitrophenol
Concen: 5.98 ng
RT: 9.992 min Scan# 11
Delta R.T. 0.041 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

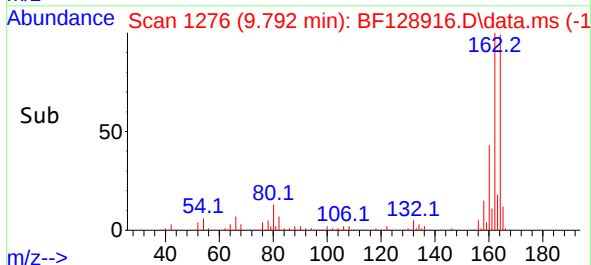
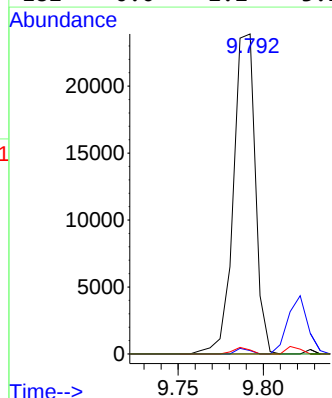
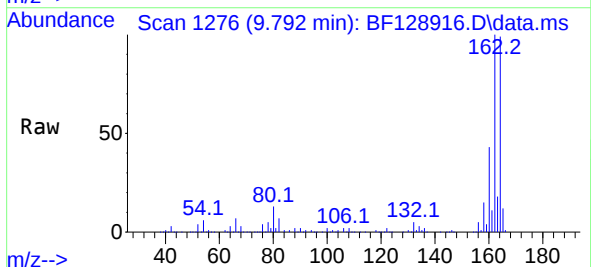
Instrument :
BNA_F
ClientSampleId :
SB-3-0-2-20220620

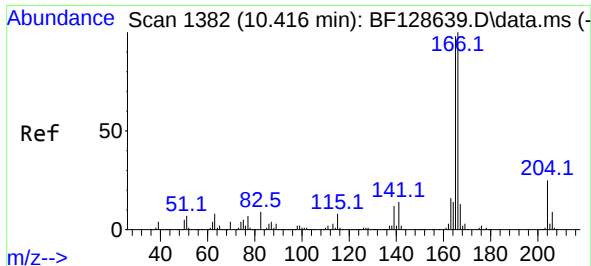
Tgt Ion:139 Resp: 10435
Ion Ratio Lower Upper
139 100
109 0.0 50.7 90.7#
65 2.2 74.5 114.5#



#57
2,4-Dinitrotoluene
Concen: 7.20 ng
RT: 9.792 min Scan# 1276
Delta R.T. -0.200 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

Tgt Ion:165 Resp: 21296
Ion Ratio Lower Upper
165 100
63 1.0 39.8 59.6#
89 1.2 60.2 90.2#
182 0.0 2.2 3.2#

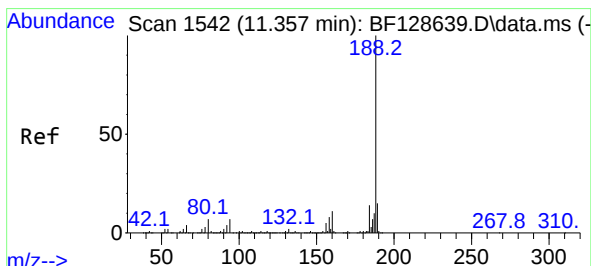
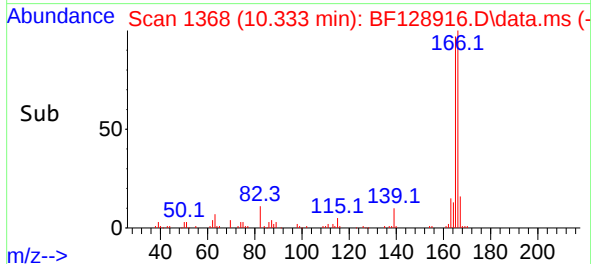
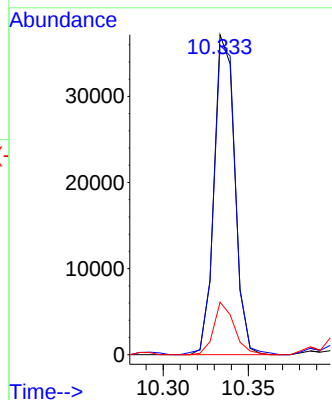
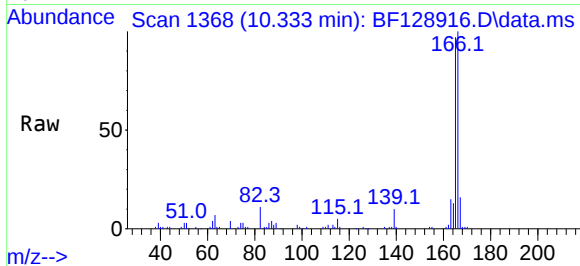




#58
Fluorene
Concen: 2.99 ng
RT: 10.333 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

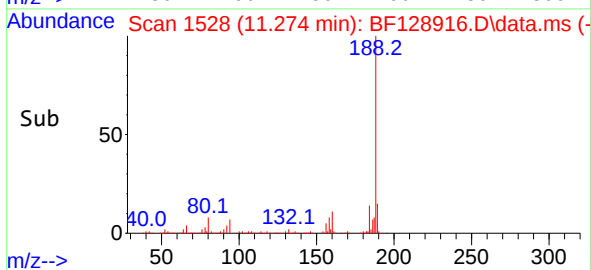
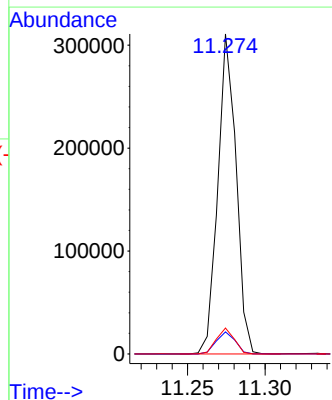
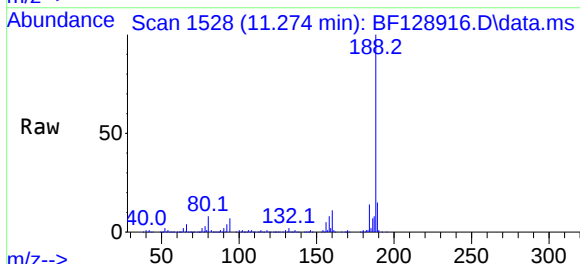
Instrument :
BNA_F
ClientSampleId :
SB-3-0-2-20220620

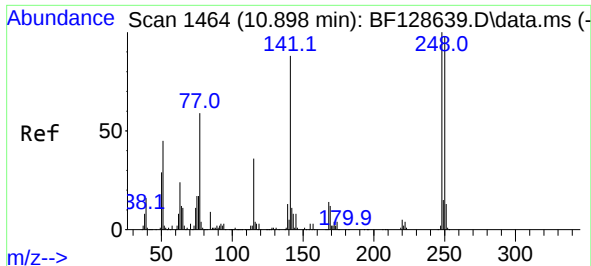
Tgt Ion:166 Resp: 31240
Ion Ratio Lower Upper
166 100
165 96.8 78.1 117.1
167 16.4 10.5 15.7#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.274 min Scan# 1528
Delta R.T. -0.006 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

Tgt Ion:188 Resp: 255030
Ion Ratio Lower Upper
188 100
94 6.9 7.0 10.6#
80 8.1 7.6 11.4

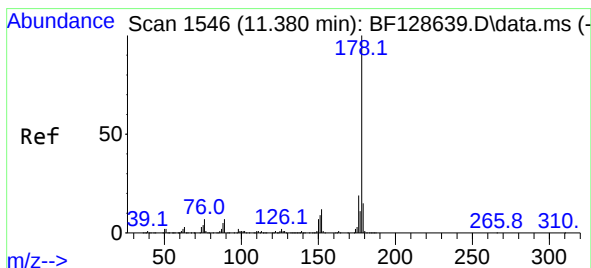
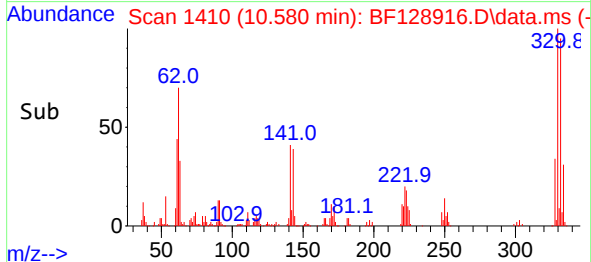
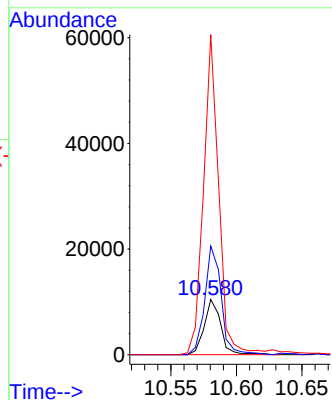
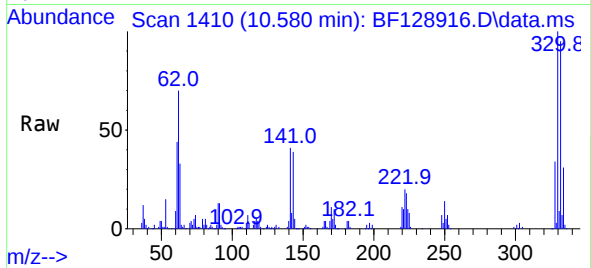




#67
4-Bromophenyl-phenylether
Concen: 3.23 ng
RT: 10.580 min Scan# 1464
Delta R.T. -0.247 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

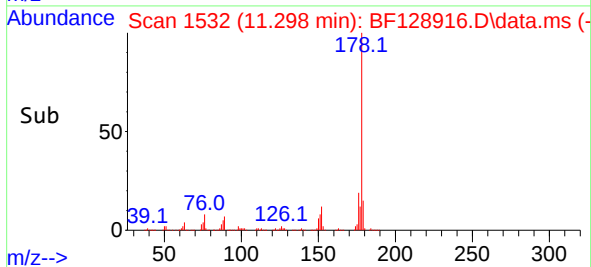
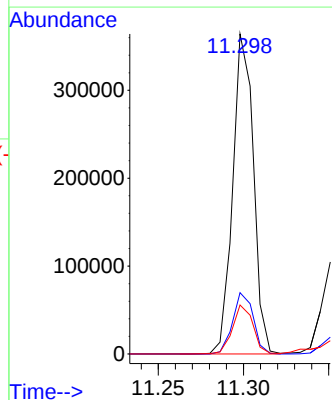
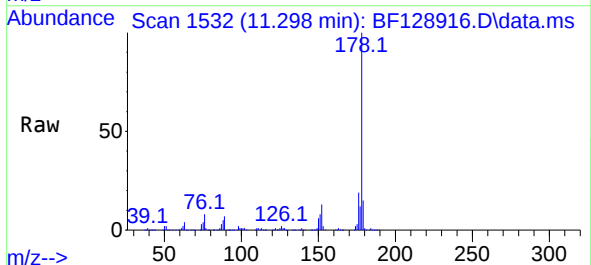
Instrument :
BNA_F
ClientSampleId :
SB-3-0-2-20220620

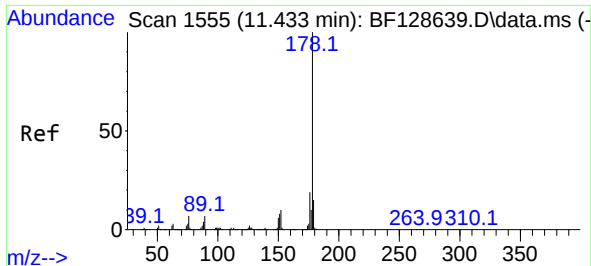
Tgt Ion:248 Resp: 9194
Ion Ratio Lower Upper
248 100
250 196.9 80.6 120.8#
141 580.3 58.9 88.3#



#71
Phenanthrene
Concen: 24.00 ng
RT: 11.298 min Scan# 1532
Delta R.T. -0.012 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

Tgt Ion:178 Resp: 307049
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 15.3 12.6 19.0

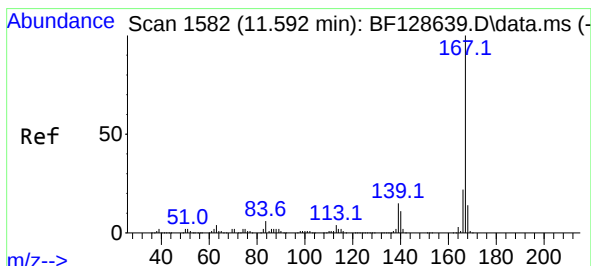
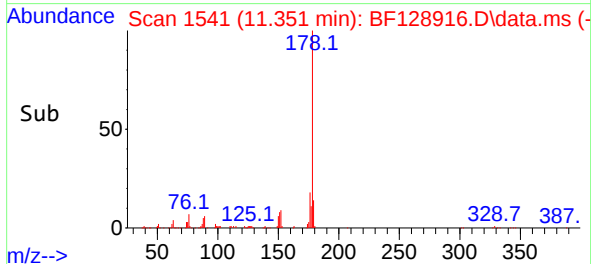
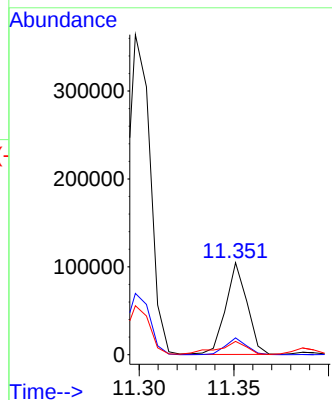
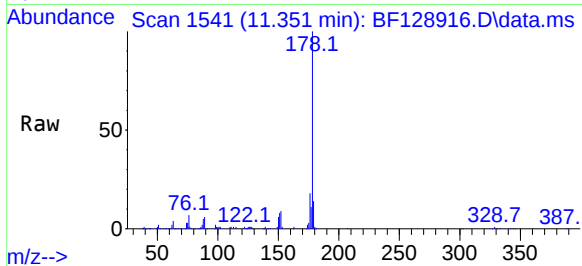




#72
 Anthracene
 Concen: 6.48 ng
 RT: 11.351 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128916.D
 Acq: 22 Jun 2022 00:19

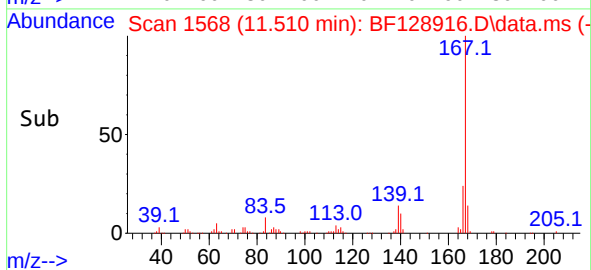
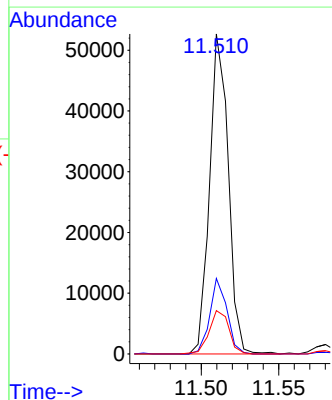
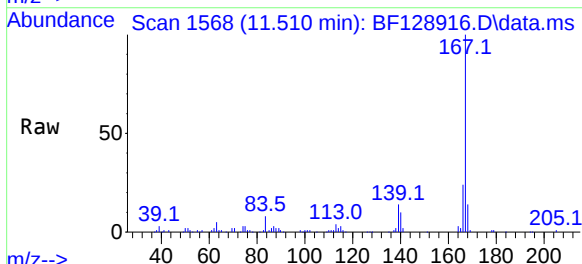
Instrument :
 BNA_F
 ClientSampleId :
 SB-3-0-2-20220620

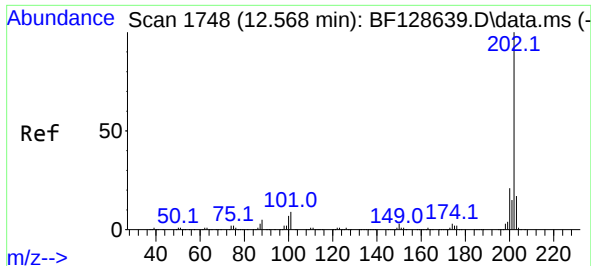
Tgt Ion:	178	Resp:	82034
Ion Ratio	Lower	Upper	
178	100		
176	18.2	15.4	23.2
179	14.4	12.6	19.0



#73
 Carbazole
 Concen: 3.76 ng
 RT: 11.510 min Scan# 1568
 Delta R.T. -0.006 min
 Lab File: BF128916.D
 Acq: 22 Jun 2022 00:19

Tgt Ion:	167	Resp:	44247
Ion Ratio	Lower	Upper	
167	100		
166	23.6	17.7	26.5
139	13.5	11.2	16.8

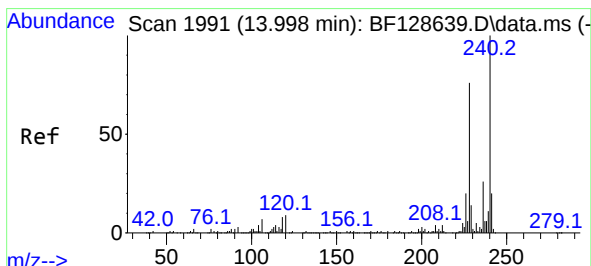
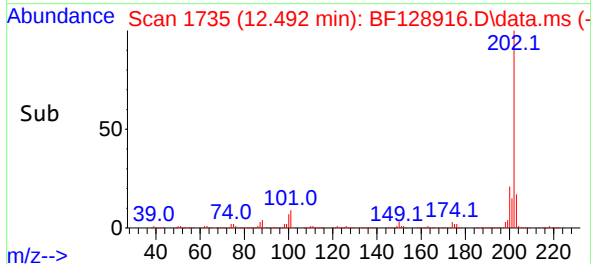
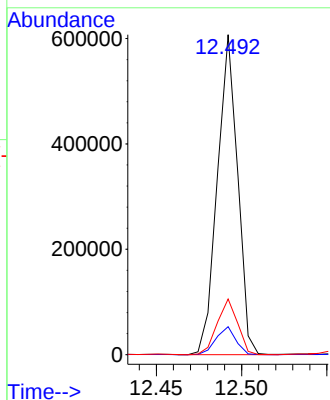
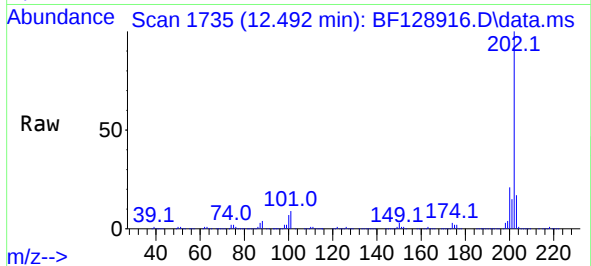




#75
Fluoranthene
Concen: 37.58 ng
RT: 12.492 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

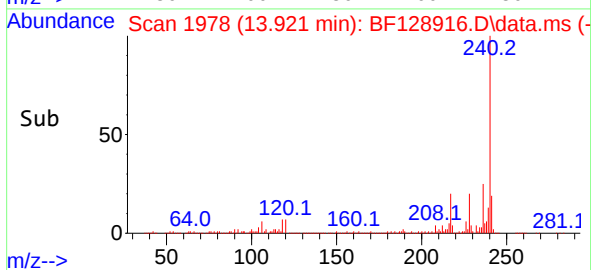
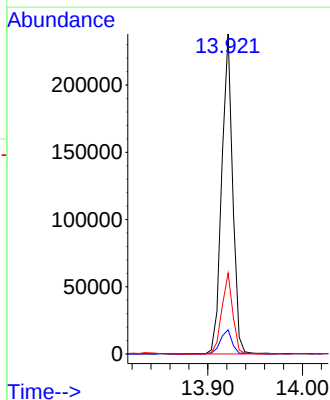
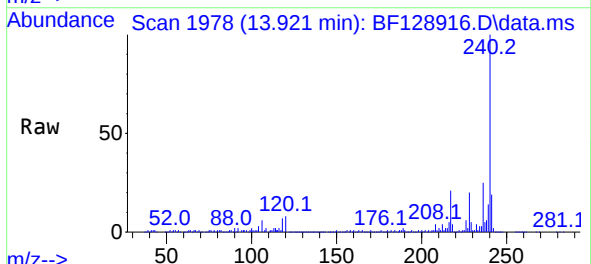
Instrument :
BNA_F
ClientSampleId :
SB-3-0-2-20220620

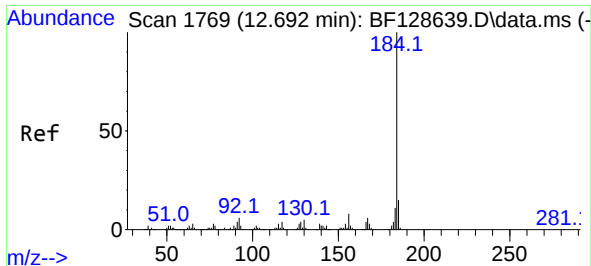
Tgt Ion:202 Resp: 502515
Ion Ratio Lower Upper
202 100
101 8.7 0.0 31.4
203 17.4 0.0 38.0



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.921 min Scan# 1978
Delta R.T. -0.006 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

Tgt Ion:240 Resp: 192130
Ion Ratio Lower Upper
240 100
120 7.6 8.9 13.3#
236 25.3 20.8 31.2

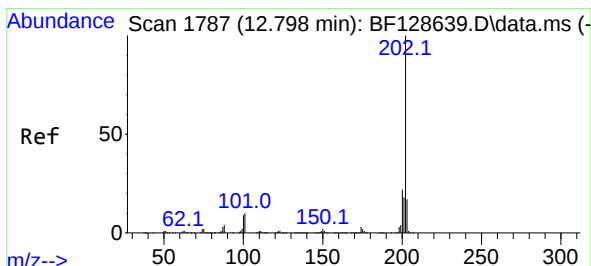
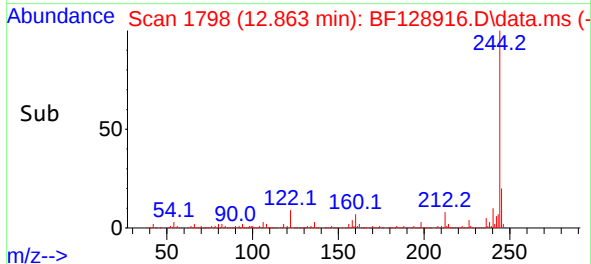
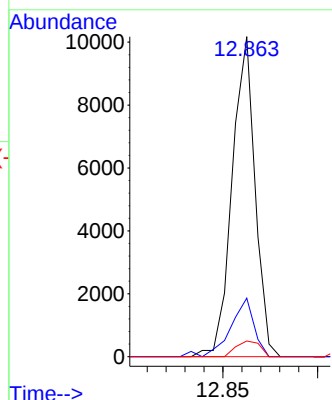
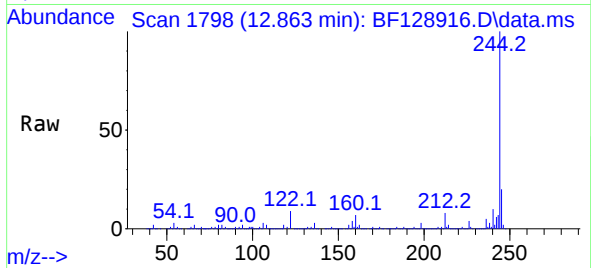




#77
Benzidine
Concen: 2.23 ng
RT: 12.863 min Scan# 1774
Delta R.T. 0.247 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

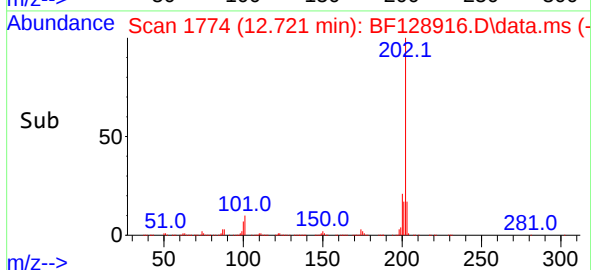
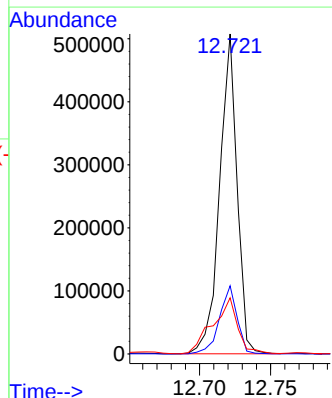
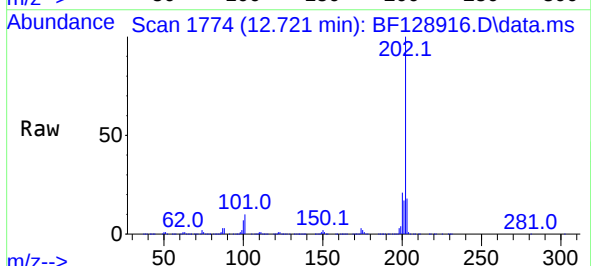
Instrument :
BNA_F
ClientSampleId :
SB-3-0-2-20220620

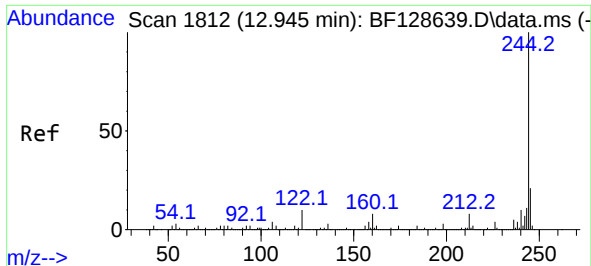
Tgt Ion:184 Resp: 8556
Ion Ratio Lower Upper
184 100
185 18.3 11.9 17.9#
183 4.9 9.3 13.9#



#78
Pyrene
Concen: 30.26 ng
RT: 12.721 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

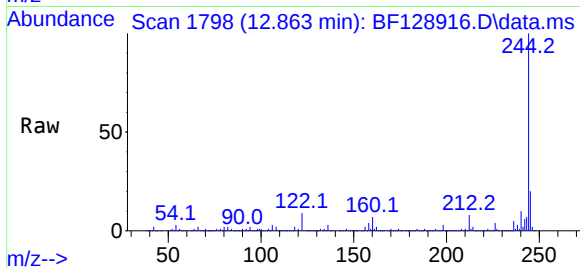
Tgt Ion:202 Resp: 432529
Ion Ratio Lower Upper
202 100
200 21.3 17.7 26.5
203 17.5 14.6 21.8



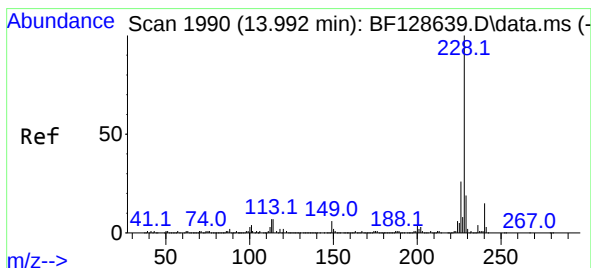
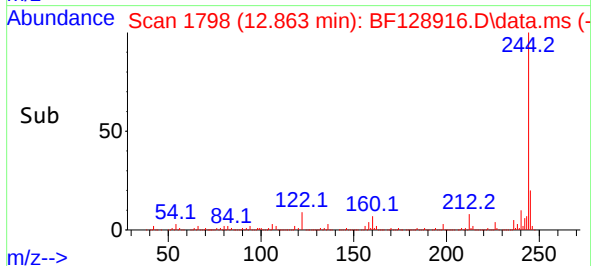
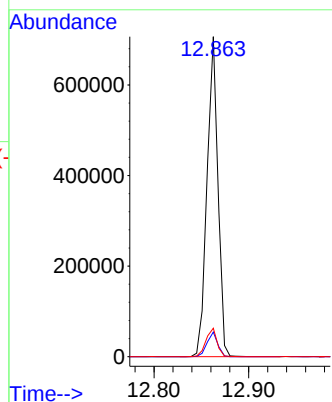


#79
 Terphenyl-d14
 Concen: 51.02 ng
 RT: 12.863 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128916.D
 Acq: 22 Jun 2022 00:19

Instrument :
 BNA_F
 ClientSampleId :
 SB-3-0-2-20220620

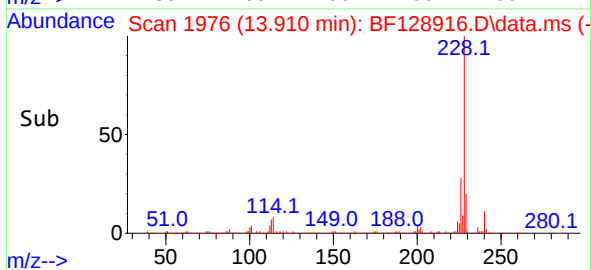
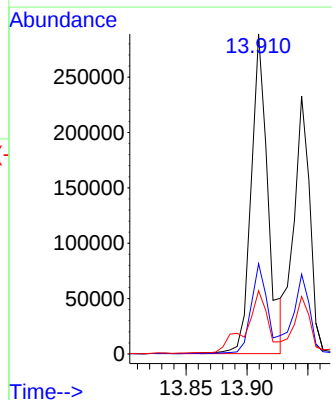
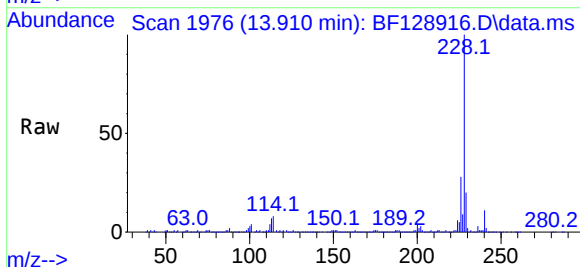


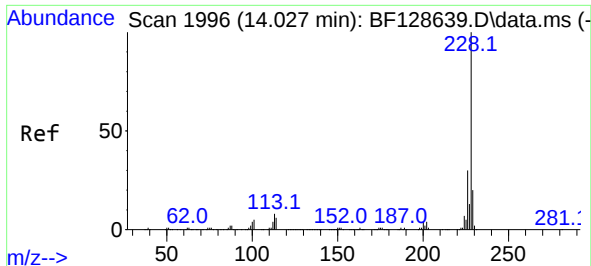
Tgt Ion:244 Resp: 564165
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.1 9.1
 122 8.9 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 23.12 ng
 RT: 13.910 min Scan# 1976
 Delta R.T. -0.006 min
 Lab File: BF128916.D
 Acq: 22 Jun 2022 00:19

Tgt Ion:228 Resp: 276944
 Ion Ratio Lower Upper
 228 100
 226 28.2 22.1 33.1
 229 19.8 15.8 23.8

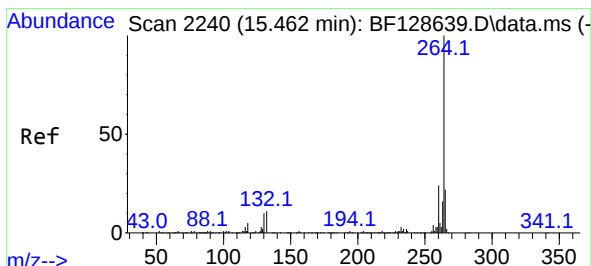
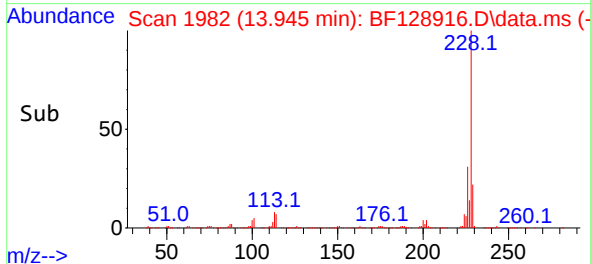
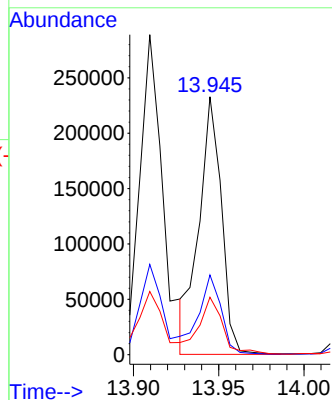
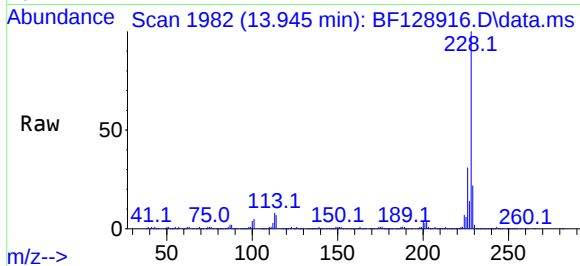




#83
Chrysene
Concen: 18.71 ng
RT: 13.945 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

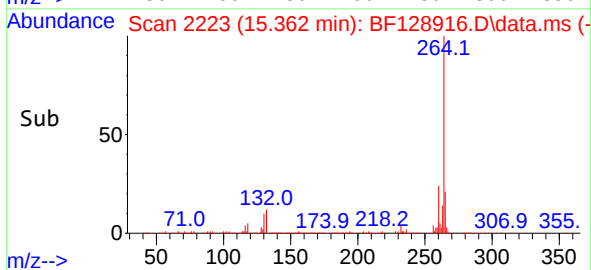
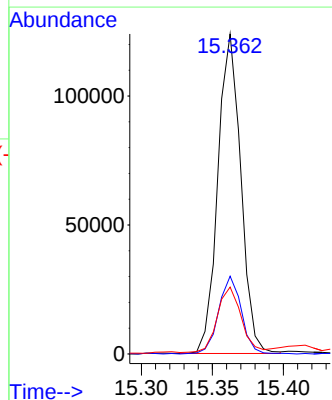
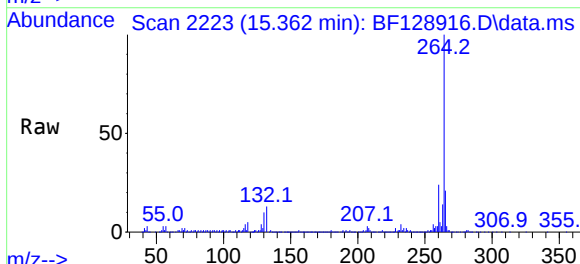
Instrument :
BNA_F
ClientSampleId :
SB-3-0-2-20220620

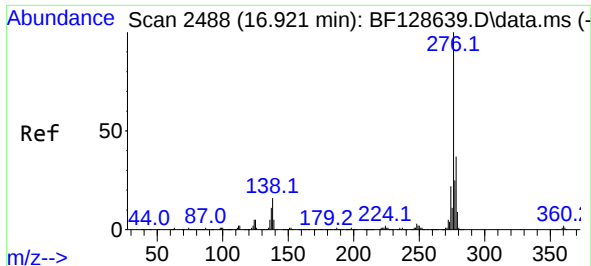
Tgt Ion:228 Resp: 213612
Ion Ratio Lower Upper
228 100
226 30.9 24.3 36.5
229 22.3 15.9 23.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.362 min Scan# 2223
Delta R.T. -0.000 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

Tgt Ion:264 Resp: 138894
Ion Ratio Lower Upper
264 100
260 24.3 18.4 27.6
265 20.9 17.2 25.8

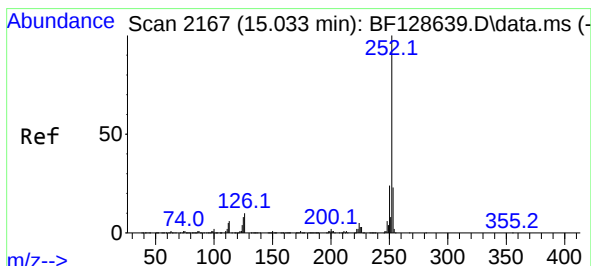
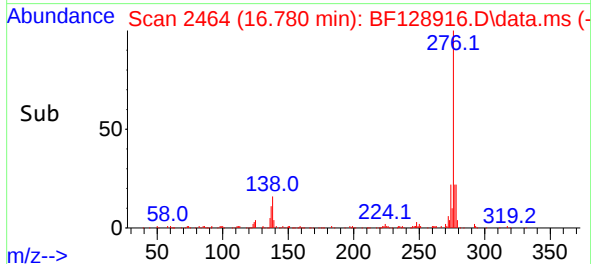
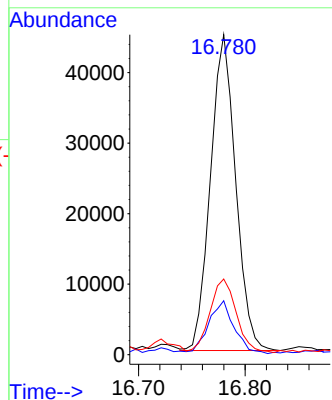
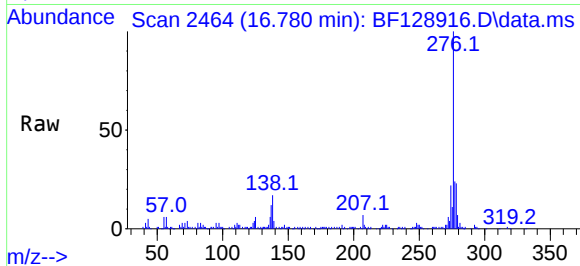




#87
Indeno(1,2,3-cd)pyrene
Concen: 8.78 ng
RT: 16.780 min Scan# 2488
Delta R.T. -0.012 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

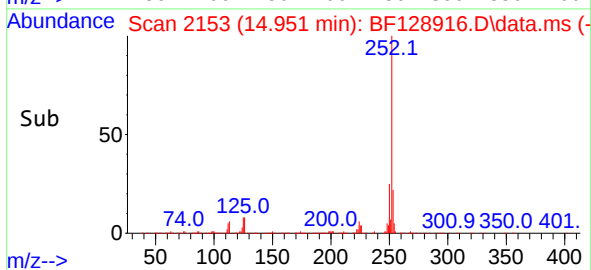
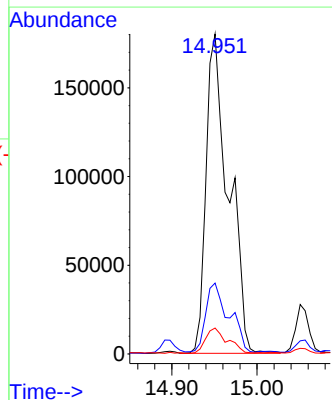
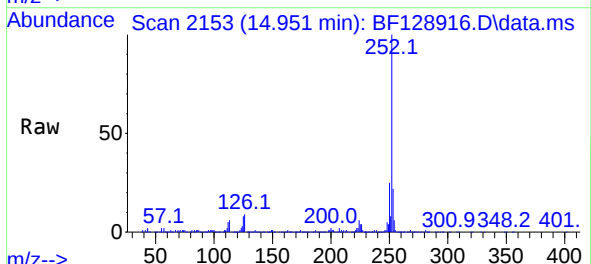
Instrument :
BNA_F
ClientSampleId :
SB-3-0-2-20220620

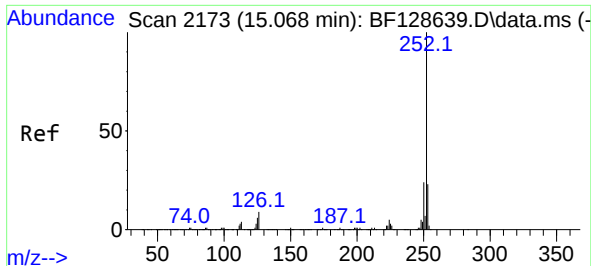
Tgt Ion:276 Resp: 73502
Ion Ratio Lower Upper
276 100
138 16.9 21.1 31.7#
277 24.6 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 37.22 ng
RT: 14.951 min Scan# 2153
Delta R.T. -0.000 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

Tgt Ion:252 Resp: 330291
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 8.1 8.0 12.0

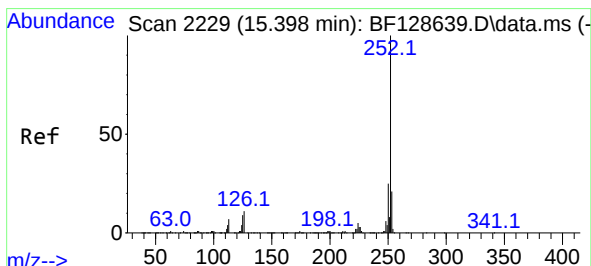
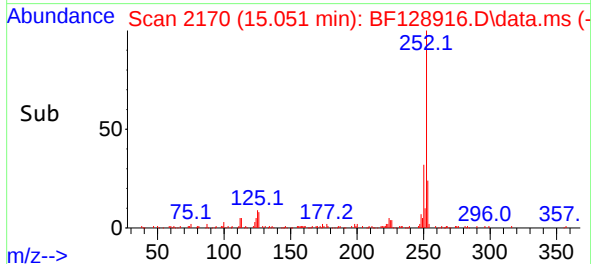
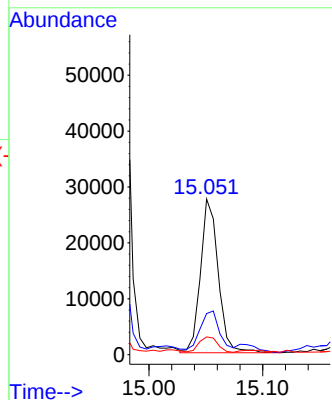
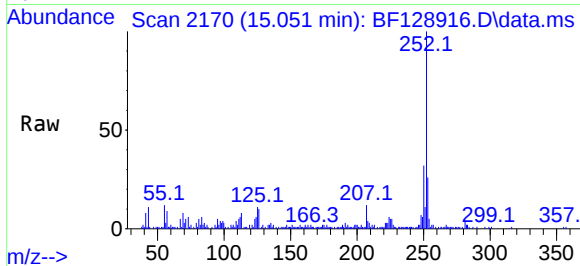




#89
Benzo(k)fluoranthene
Concen: 3.57 ng
RT: 15.051 min Scan# 21
Delta R.T. 0.071 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

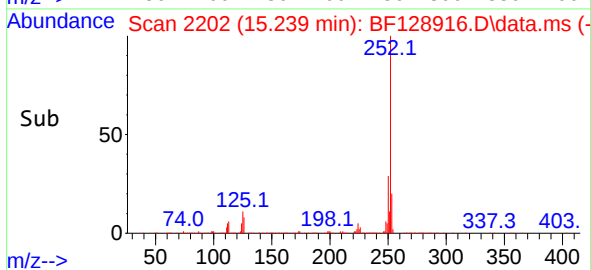
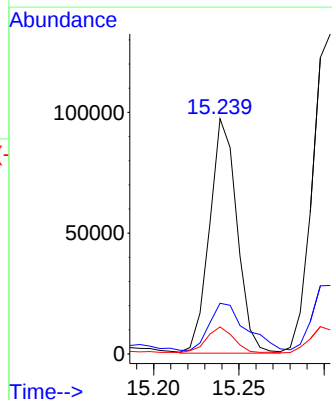
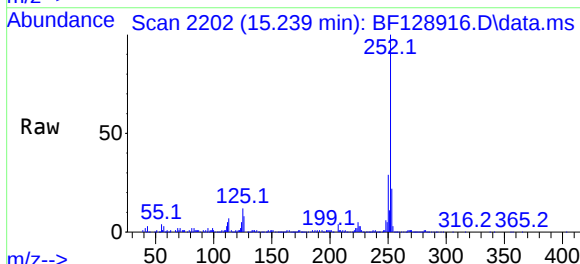
Instrument :
BNA_F
ClientSampleId :
SB-3-0-2-20220620

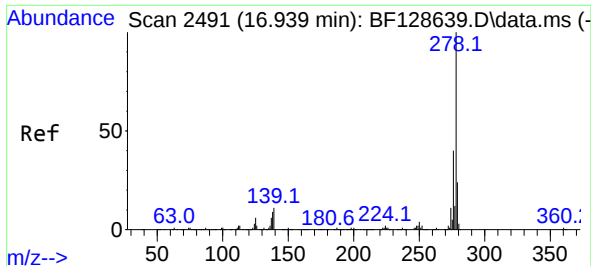
Tgt Ion:252 Resp: 29799
Ion Ratio Lower Upper
252 100
253 26.4 17.8 26.6
125 11.4 8.3 12.5



#90
Benzo(a)pyrene
Concen: 15.62 ng
RT: 15.239 min Scan# 2202
Delta R.T. -0.065 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

Tgt Ion:252 Resp: 108961
Ion Ratio Lower Upper
252 100
253 21.6 17.0 25.6
125 11.5 8.8 13.2

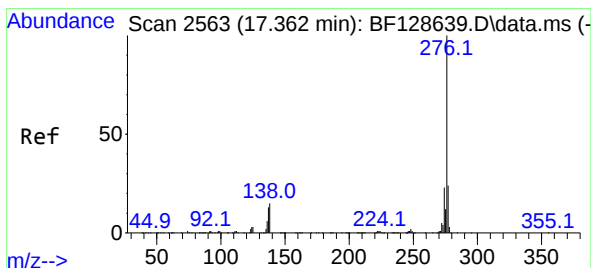
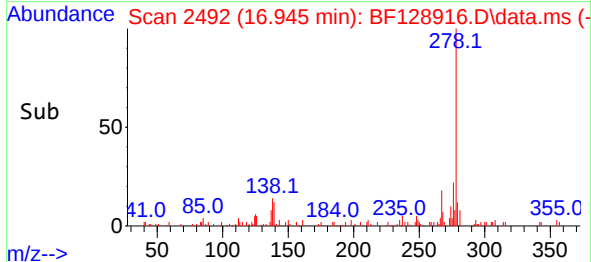
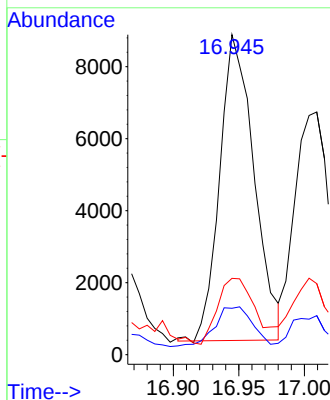
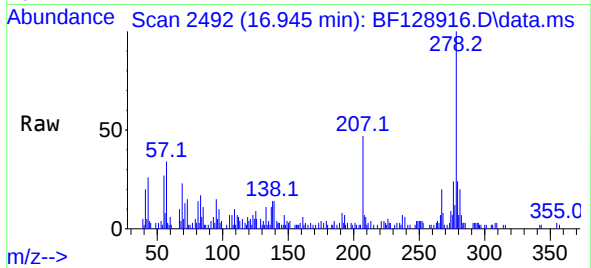




#91
Dibenzo(a,h)anthracene
Concen: 2.23 ng
RT: 16.945 min Scan# 2491
Delta R.T. 0.141 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

Instrument :
BNA_F
ClientSampleId :
SB-3-0-2-20220620

Tgt Ion: 278 Resp: 15485
Ion Ratio Lower Upper
278 100
139 14.5 12.8 19.2
279 23.9 18.6 28.0



#92
Benzo(g,h,i)perylene
Concen: 9.99 ng
RT: 17.209 min Scan# 2537
Delta R.T. -0.006 min
Lab File: BF128916.D
Acq: 22 Jun 2022 00:19

Tgt Ion: 276 Resp: 68744
Ion Ratio Lower Upper
276 100
277 25.1 19.1 28.7
138 16.4 18.0 27.0#

