

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092721\
 Data File : BF125679.D
 Acq On : 27 Sep 2021 19:03
 Operator : JU/CG
 Sample : M3935-04DL 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 28 01:12:23 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 24 15:38:32 2021
 Response via : Initial Calibration

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

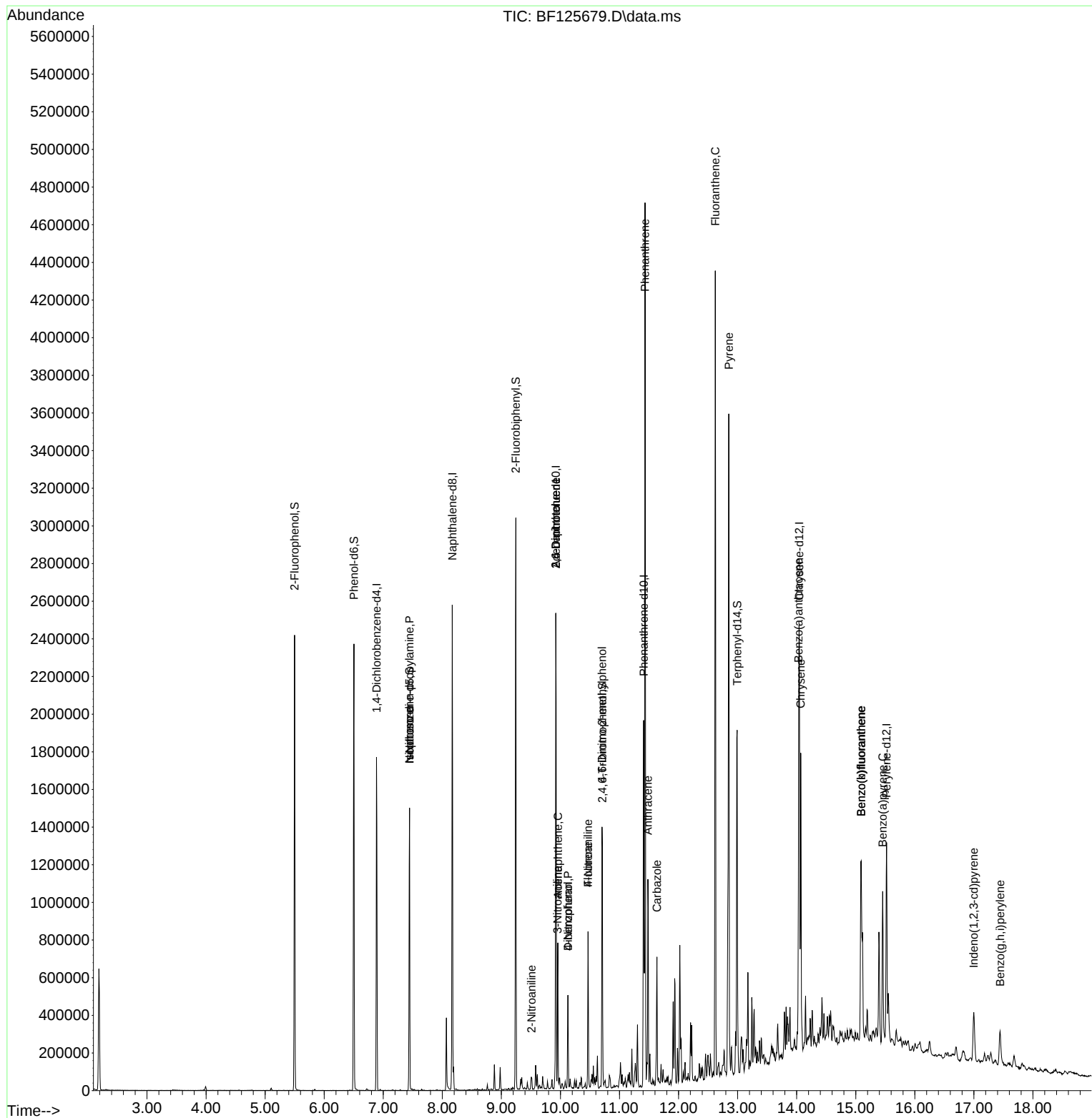
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	264142	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	1087320	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	515499	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	706155	20.000	ng	0.00
76) Chrysene-d12	14.045	240	506092	20.000	ng	0.00
86) Perylene-d12	15.521	264	455535	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	651293	40.624	ng	0.00
7) Phenol-d6	6.504	99	800076	37.119	ng	0.00
23) Nitrobenzene-d5	7.445	82	450776	28.917	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	149646	31.135	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	882110	20.613	ng	0.00
79) Terphenyl-d14	12.992	244	612592	20.962	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.504	77	1171	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.445	70	56949	4.641	ng	# 50
25) Isophorone	7.445	82	450846	12.914	ng	# 59
48) 2-Nitroaniline	9.510	65	144	4.175	ng	# 1
51) 2,6-Dinitrotoluene	9.922	165	68699	12.994	ng	# 27
52) Acenaphthene	9.957	154	147099	4.952	ng	97
53) 3-Nitroaniline	9.951	138	122	3.157	ng	# 9
55) Dibenzofuran	10.127	168	160824	3.609	ng	94
56) 4-Nitrophenol	10.127	139	59657	9.326	ng	# 11
57) 2,4-Dinitrotoluene	9.922	165	68699	11.809	ng	# 19
58) Fluorene	10.469	166	197042	5.681	ng	97
62) 4-Nitroaniline	10.469	138	2108	2.151	ng	# 10
65) 4,6-Dinitro-2-methylph...	10.704	198	482	9.127	ng	# 1
71) Phenanthrene	11.433	178	1680792	42.446	ng	96
72) Anthracene	11.480	178	409564	10.467	ng	99
73) Carbazole	11.633	167	241607	6.274	ng	99
75) Fluoranthene	12.621	202	1639421	38.738	ng	96
78) Pyrene	12.851	202	1362433	29.788	ng	97
81) Benzo(a)anthracene	14.033	228	629417	18.309	ng	99
83) Chrysene	14.068	228	550585	15.959	ng	97
87) Indeno(1,2,3-cd)pyrene	16.998	276	180556	5.839	ng	94
88) Benzo(b)fluoranthene	15.092	252	790596	24.771	ng	97
89) Benzo(k)fluoranthene	15.092	252	790596	25.855	ng	# 97
90) Benzo(a)pyrene	15.456	252	391283	13.773	ng	99
92) Benzo(g,h,i)perylene	17.445	276	154599	5.857	ng	94

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

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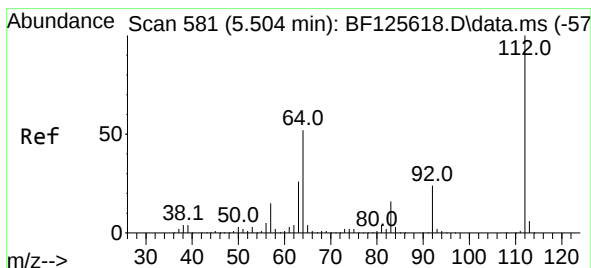
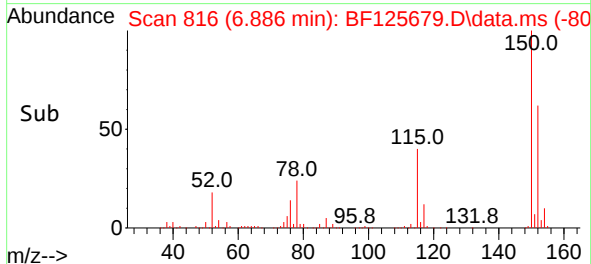
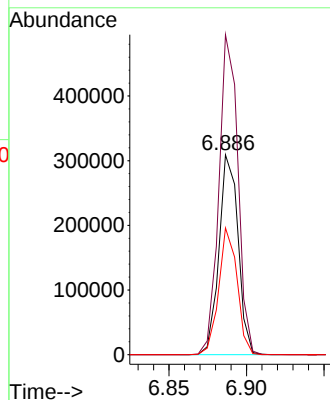
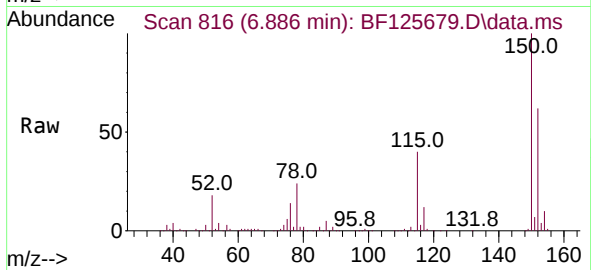




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF125679.D
Acq: 27 Sep 2021 19:03

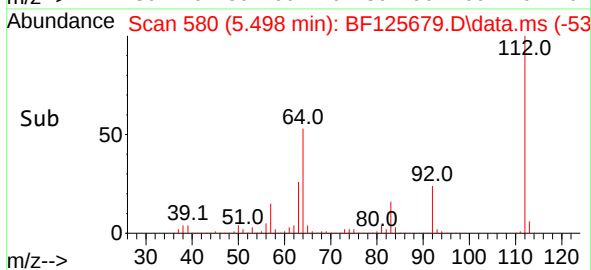
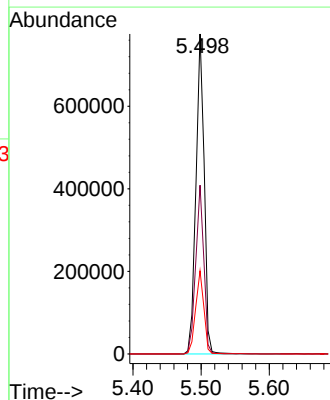
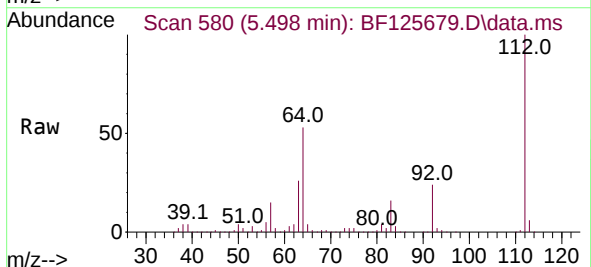
Instrument :
BNA_F
ClientSampleId :

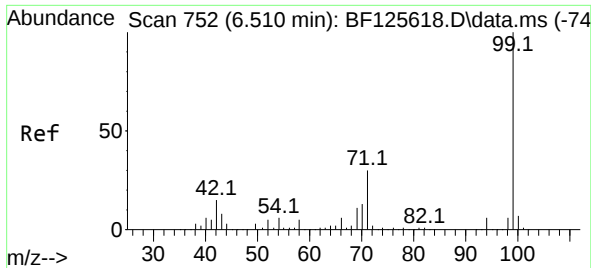
Tgt Ion:152 Resp: 264142
Ion Ratio Lower Upper
152 100
150 160.2 117.6 176.4
115 63.4 47.1 70.7



#5
2-Fluorophenol
Concen: 40.624 ng
RT: 5.498 min Scan# 580
Delta R.T. -0.006 min
Lab File: BF125679.D
Acq: 27 Sep 2021 19:03

Tgt Ion:112 Resp: 651293
Ion Ratio Lower Upper
112 100
64 52.8 44.2 66.2
63 26.0 26.2 39.2#

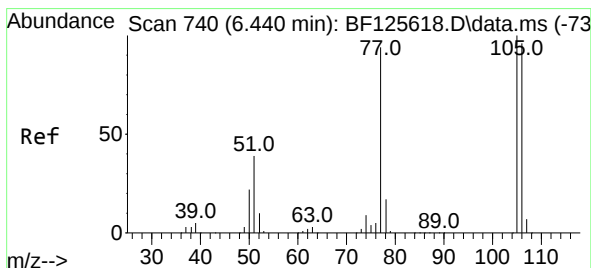
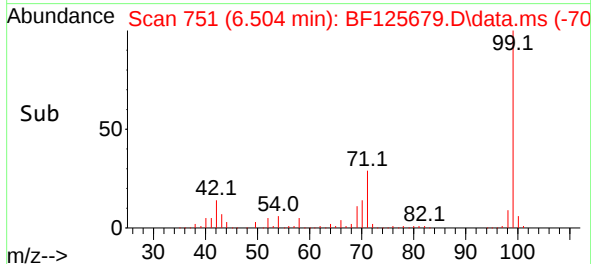
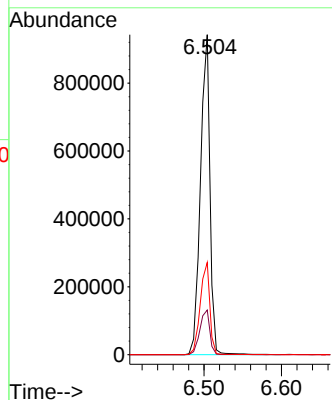
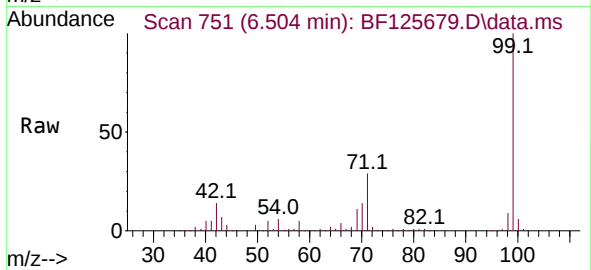




#7
Phenol-d6
Concen: 37.119 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF125679.D
Acq: 27 Sep 2021 19:03

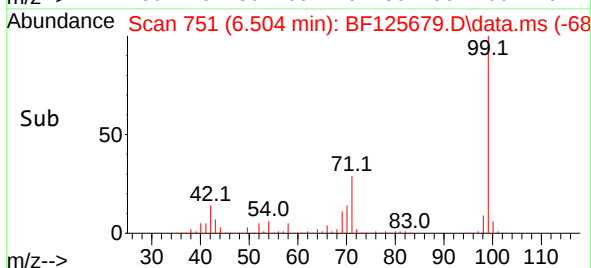
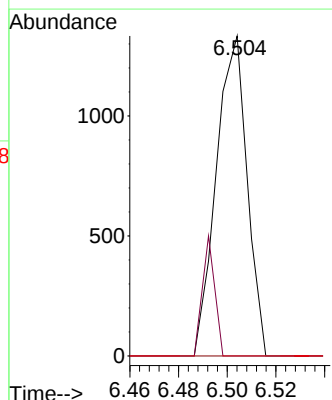
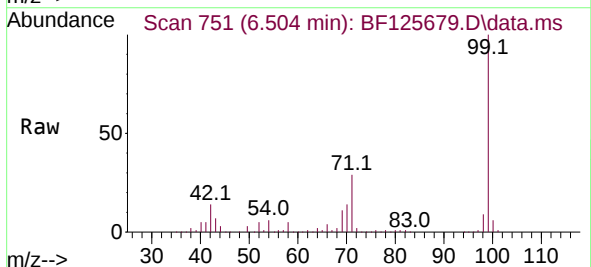
Instrument :
BNA_F
ClientSampleId :

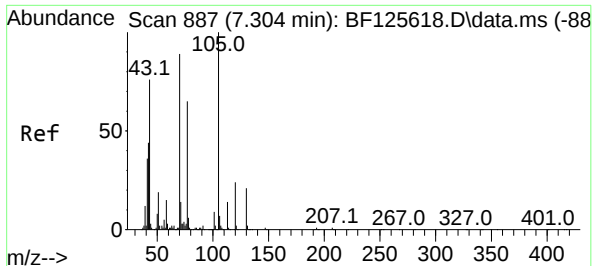
Tgt Ion: 99 Resp: 800076
Ion Ratio Lower Upper
99 100
42 14.0 23.5 35.3#
71 28.8 25.6 38.4



#9
Benzaldehyde
Concen: Below Cal
RT: 6.504 min Scan# 751
Delta R.T. 0.064 min
Lab File: BF125679.D
Acq: 27 Sep 2021 19:03

Tgt Ion: 77 Resp: 1171
Ion Ratio Lower Upper
77 100
105 0.0 75.9 115.9#
106 0.0 84.0 124.0#

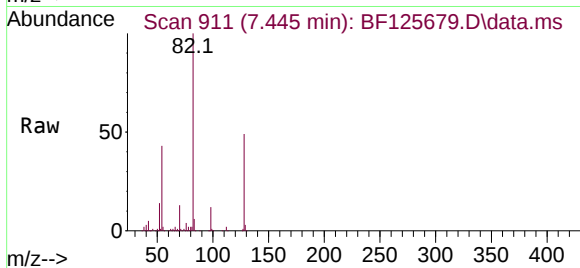




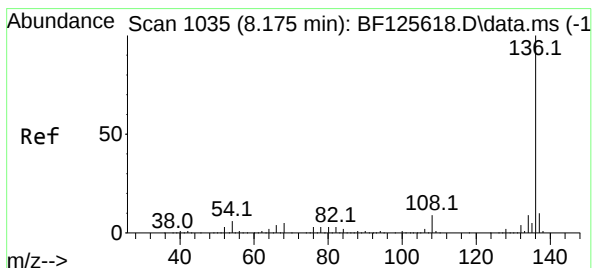
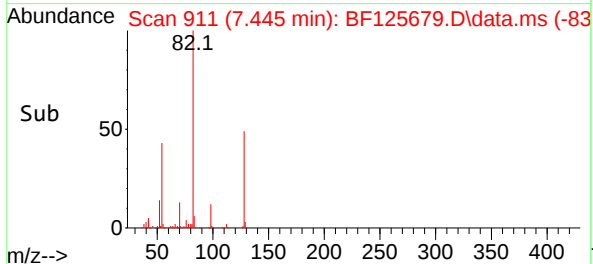
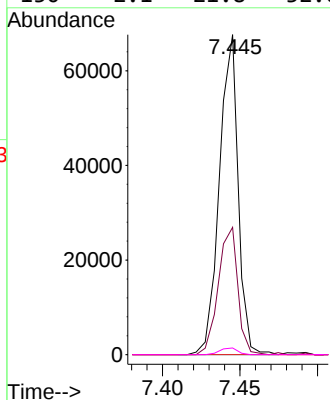
#19

n-Nitroso-di-n-propylamine
Concen: 4.641 ng
RT: 7.445 min Scan# 911
Delta R.T. 0.141 min
Lab File: BF125679.D
Acq: 27 Sep 2021 19:03

Instrument :
BNA_F
ClientSampleId :



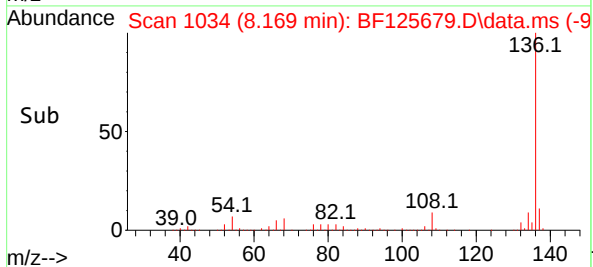
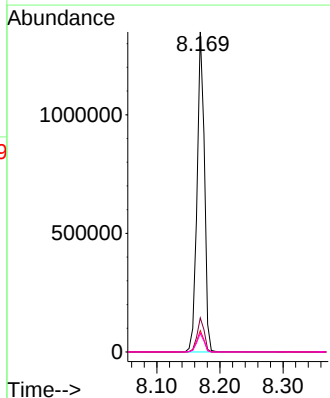
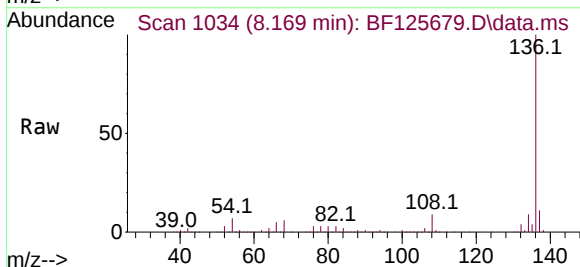
Tgt Ion: 70	Resp: 56949
Ion Ratio	Lower Upper
70 100	
42 39.8	72.2 108.2#
101 0.0	7.8 11.8#
130 2.1	21.8 32.6#

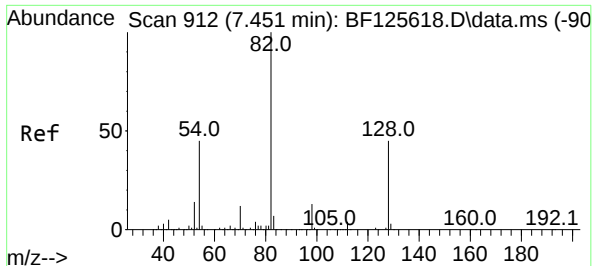


#21

Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF125679.D
Acq: 27 Sep 2021 19:03

Tgt Ion: 136	Resp: 1087320
Ion Ratio	Lower Upper
136 100	
137 10.6	9.8 14.6
54 6.6	6.4 9.6
68 5.8	3.3 4.9#





#23

Nitrobenzene-d5

Concen: 28.917 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF125679.D

Acq: 27 Sep 2021 19:03

Instrument :

BNA_F

ClientSampleId :

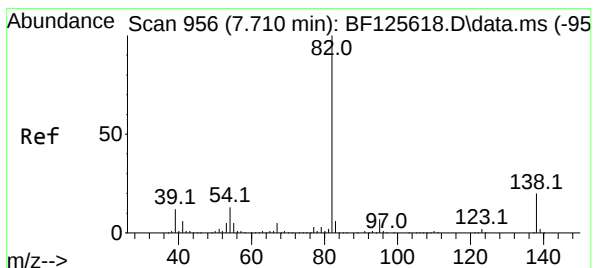
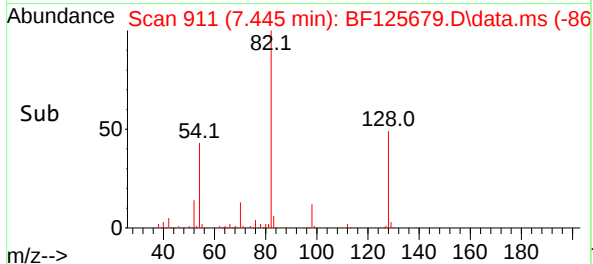
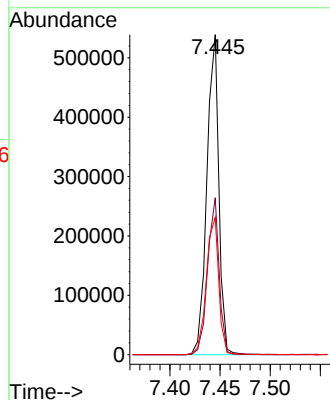
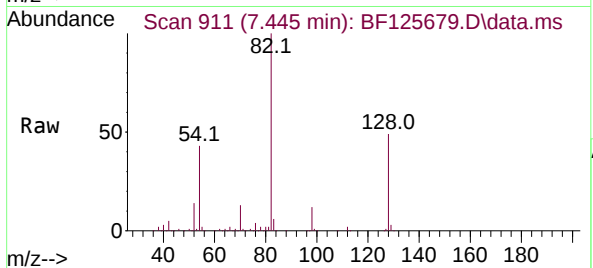
Tgt Ion: 82 Resp: 450776

Ion Ratio Lower Upper

82 100

128 49.1 40.6 60.8

54 42.9 49.6 74.4#



#25

Isophorone

Concen: 12.914 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.265 min

Lab File: BF125679.D

Acq: 27 Sep 2021 19:03

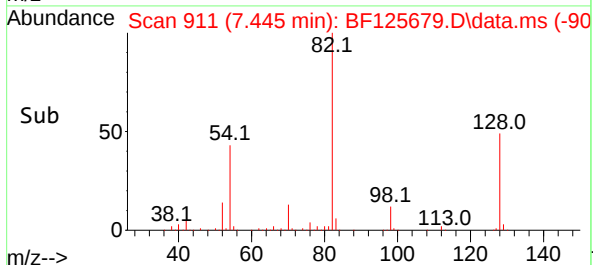
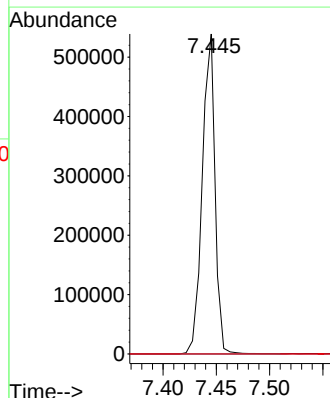
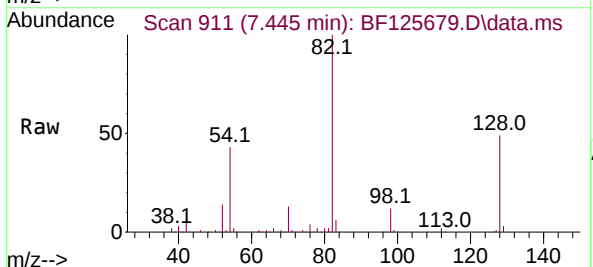
Tgt Ion: 82 Resp: 450846

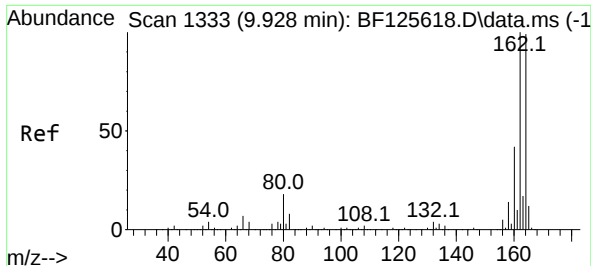
Ion Ratio Lower Upper

82 100

95 0.0 6.5 9.7#

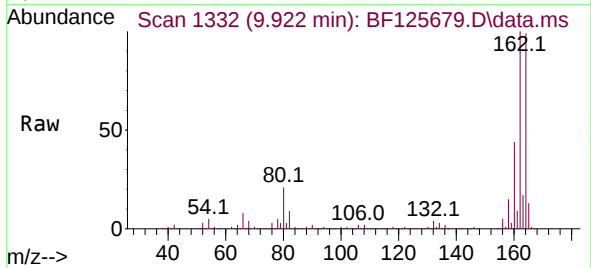
138 0.0 18.4 27.6#



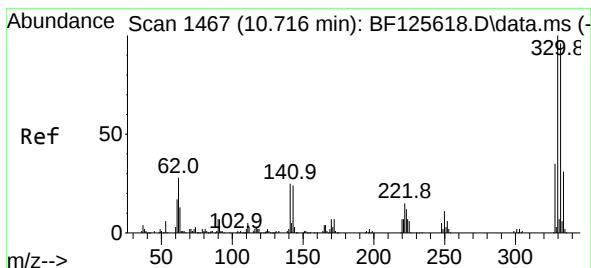
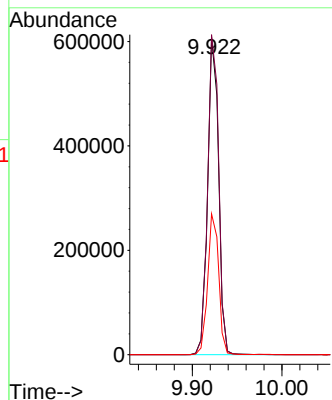
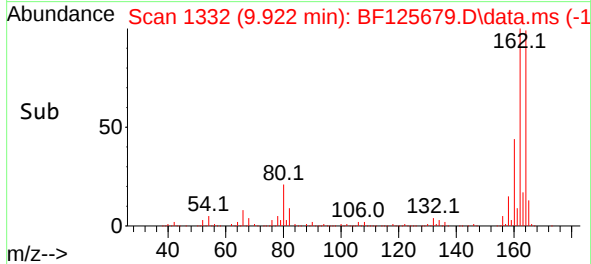


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF125679.D
Acq: 27 Sep 2021 19:03

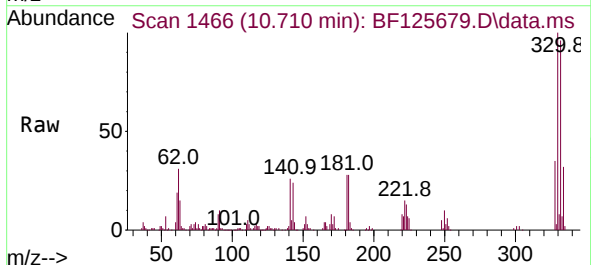
Instrument :
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ClientSampleId :



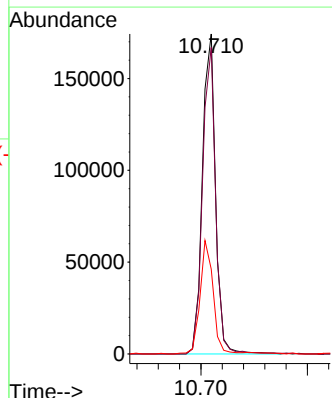
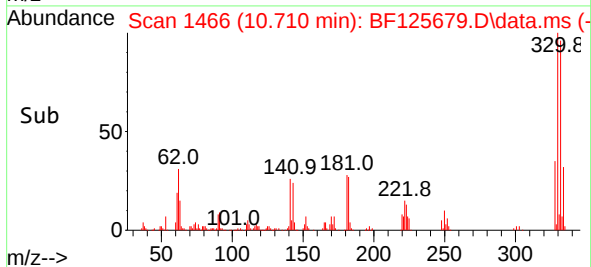
Tgt Ion:164 Resp: 515499
Ion Ratio Lower Upper
164 100
162 100.9 81.3 121.9
160 44.4 38.0 57.0

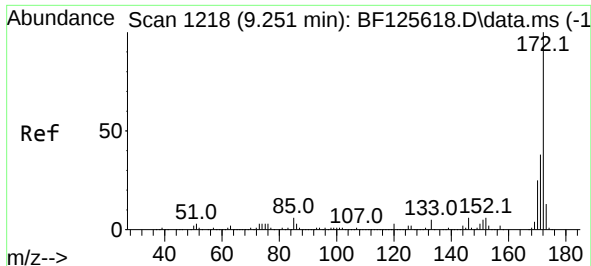


#42
2,4,6-Tribromophenol
Concen: 31.135 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF125679.D
Acq: 27 Sep 2021 19:03



Tgt Ion:330 Resp: 149646
Ion Ratio Lower Upper
330 100
332 95.7 76.2 114.4
141 36.0 44.6 66.8#

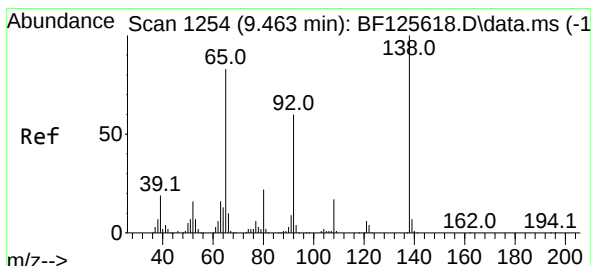
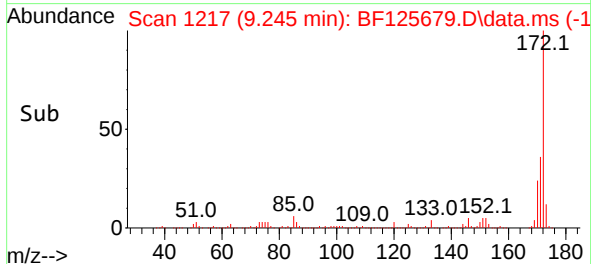
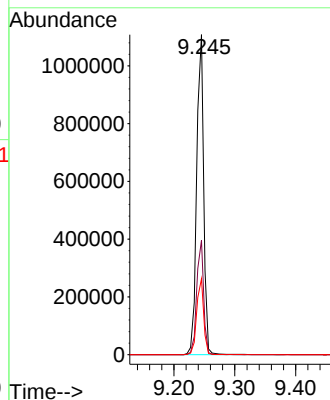
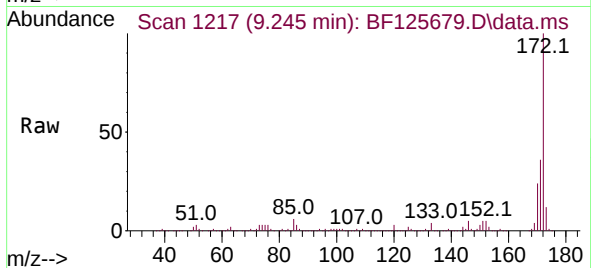




#45
2-Fluorobiphenyl
Concen: 20.613 ng
RT: 9.245 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF125679.D
Acq: 27 Sep 2021 19:03

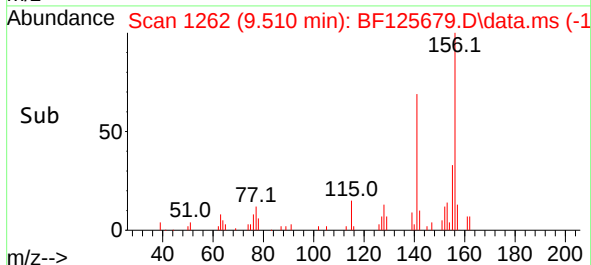
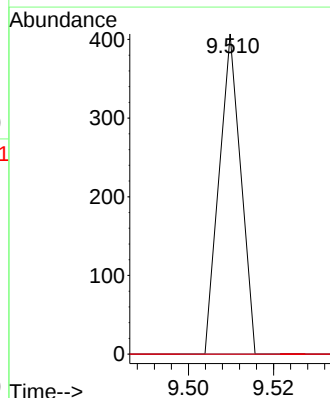
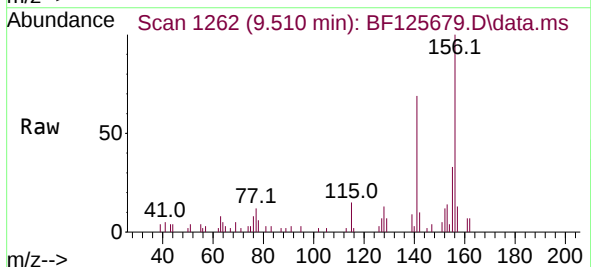
Instrument :
BNA_F
ClientSampleId :

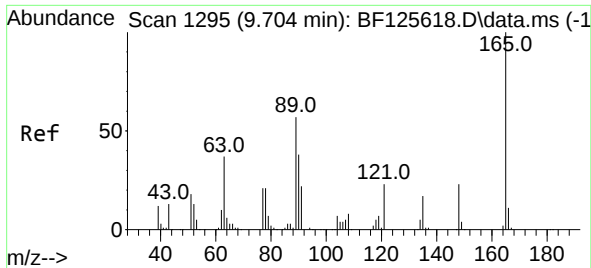
Tgt Ion:172 Resp: 882110
Ion Ratio Lower Upper
172 100
171 35.8 26.5 39.7
170 23.7 18.8 28.2



#48
2-Nitroaniline
Concen: 4.175 ng
RT: 9.510 min Scan# 1262
Delta R.T. 0.047 min
Lab File: BF125679.D
Acq: 27 Sep 2021 19:03

Tgt Ion: 65 Resp: 144
Ion Ratio Lower Upper
65 100
92 0.0 55.5 83.3#
138 0.0 93.5 140.3#

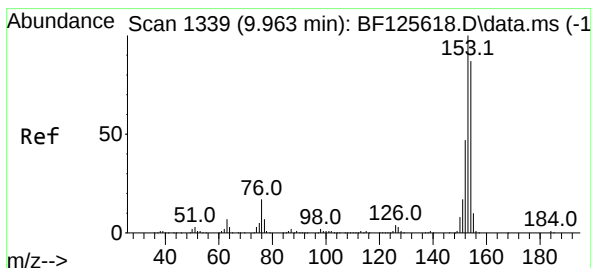
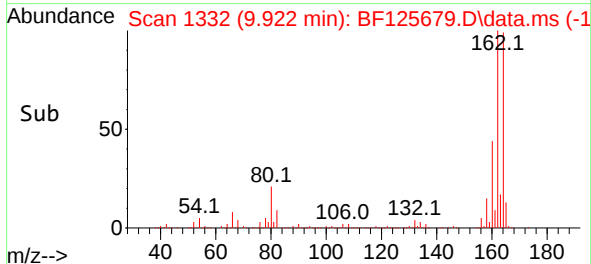
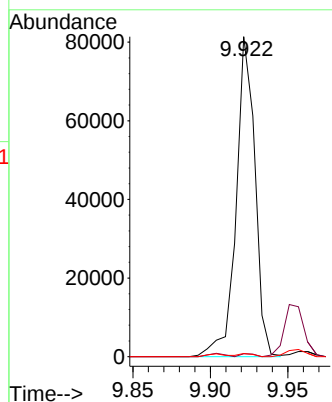
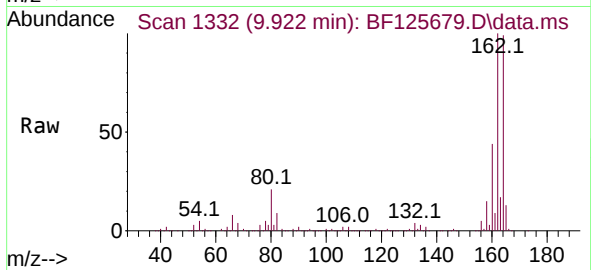




#51
2,6-Dinitrotoluene
Concen: 12.994 ng
RT: 9.922 min Scan# 1332
Delta R.T. 0.218 min
Lab File: BF125679.D
Acq: 27 Sep 2021 19:03

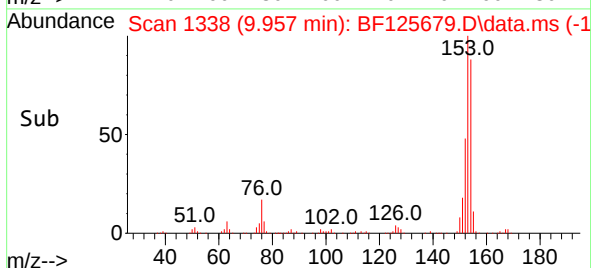
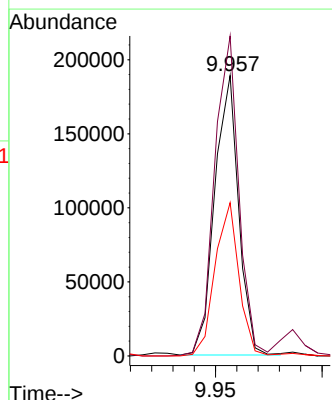
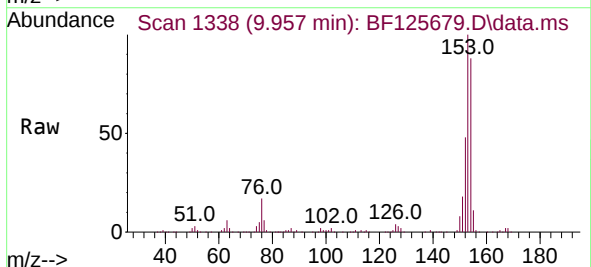
Instrument :
BNA_F
ClientSampleId :

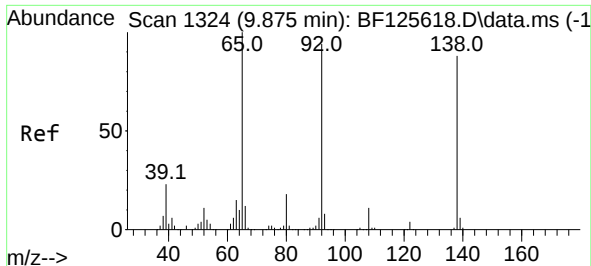
Tgt Ion:165 Resp: 68699
Ion Ratio Lower Upper
165 100
63 0.9 42.6 63.8#
89 1.0 40.6 60.8#



#52
Acenaphthene
Concen: 4.952 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF125679.D
Acq: 27 Sep 2021 19:03

Tgt Ion:154 Resp: 147099
Ion Ratio Lower Upper
154 100
153 114.1 89.4 134.2
152 54.7 40.5 60.7

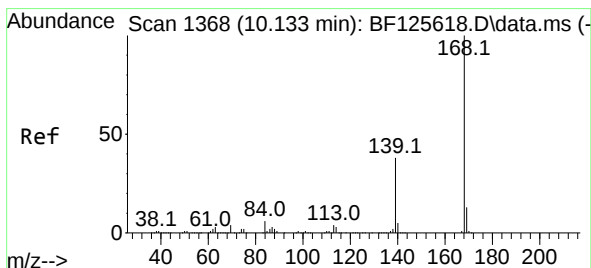
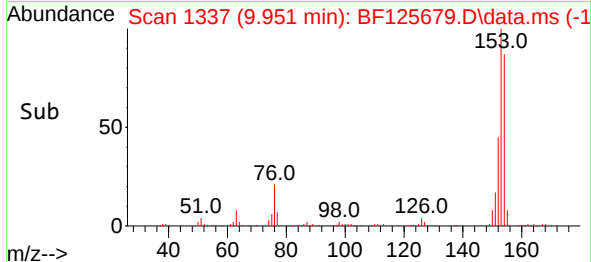
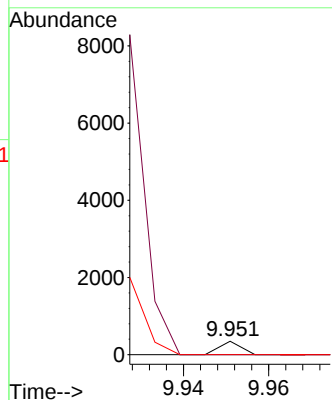
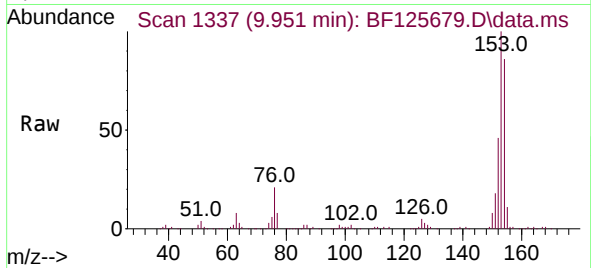




#53
3-Nitroaniline
Concen: 3.157 ng
RT: 9.951 min Scan# 1337
Delta R.T. 0.076 min
Lab File: BF125679.D
Acq: 27 Sep 2021 19:03

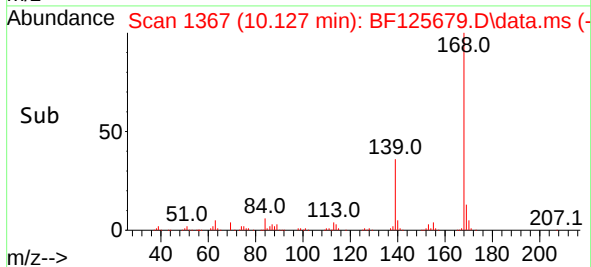
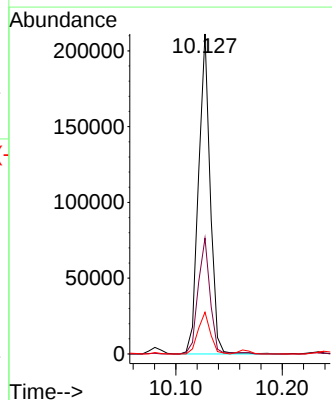
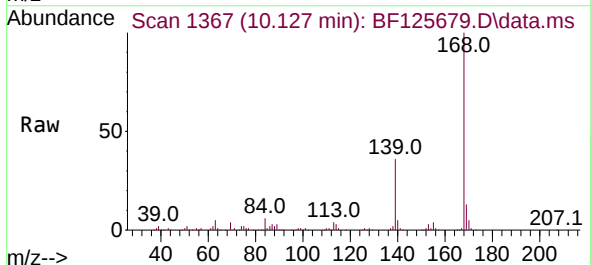
Instrument :
BNA_F
ClientSampleId :

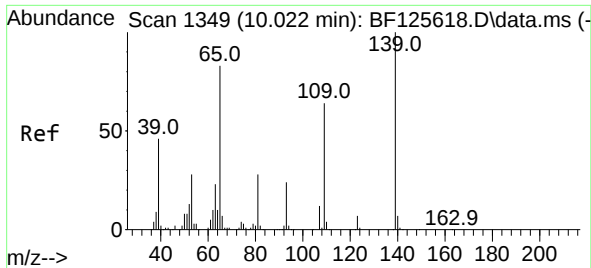
Tgt Ion:138 Resp: 122
Ion Ratio Lower Upper
138 100
108 0.0 9.3 13.9#
92 0.0 76.5 114.7#



#55
Dibenzofuran
Concen: 3.609 ng
RT: 10.127 min Scan# 1367
Delta R.T. -0.006 min
Lab File: BF125679.D
Acq: 27 Sep 2021 19:03

Tgt Ion:168 Resp: 160824
Ion Ratio Lower Upper
168 100
139 36.2 32.7 49.1
169 13.0 11.2 16.8

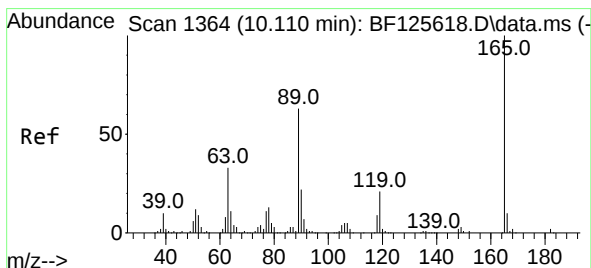
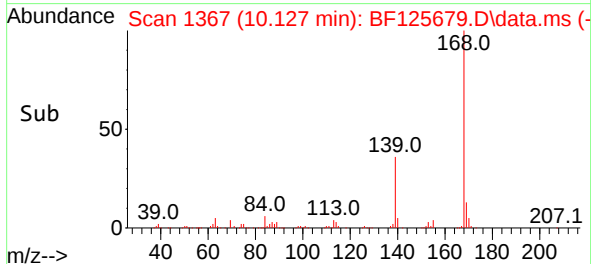
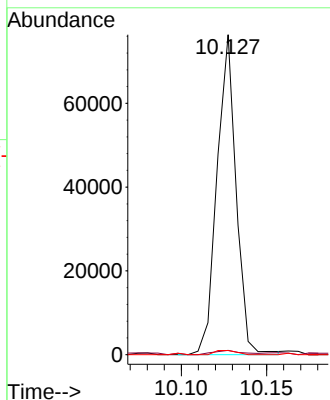
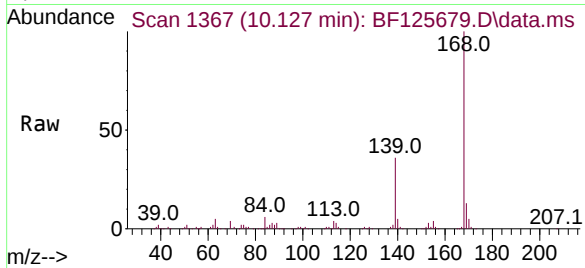




#56
4-Nitrophenol
Concen: 9.326 ng
RT: 10.127 min Scan# 1367
Delta R.T. 0.105 min
Lab File: BF125679.D
Acq: 27 Sep 2021 19:03

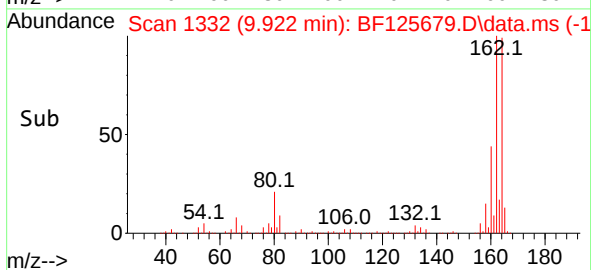
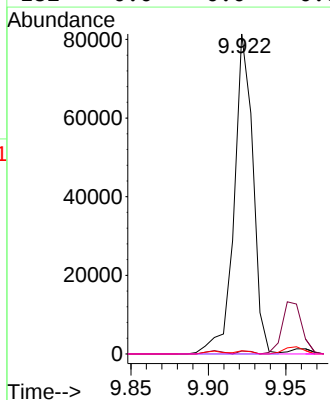
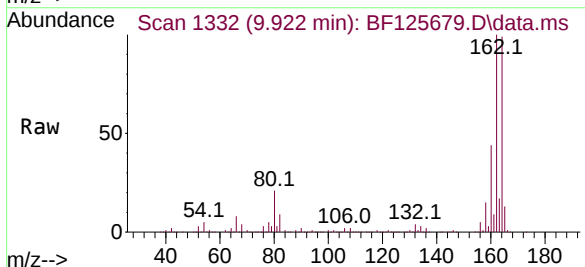
Instrument :
BNA_F
ClientSampleId :

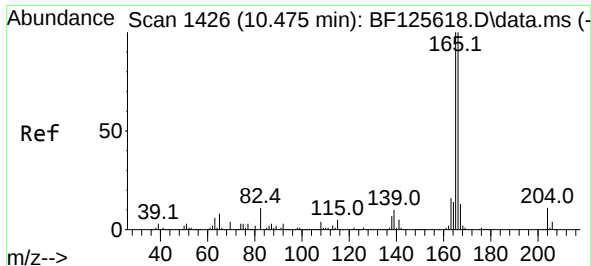
Tgt Ion	Ratio	Lower	Upper
139	100		
109	1.4	60.4	100.4#
65	1.3	58.4	98.4#



#57
2,4-Dinitrotoluene
Concen: 11.809 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.188 min
Lab File: BF125679.D
Acq: 27 Sep 2021 19:03

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	40.9	61.3#
89	1.0	59.7	89.5#
182	0.0	0.0	0.0

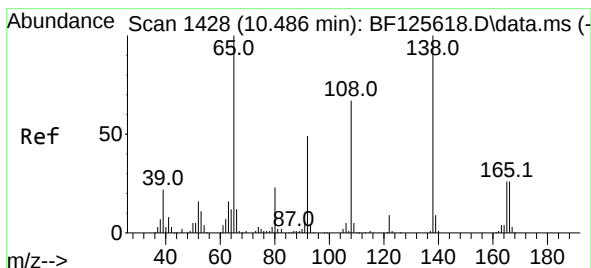
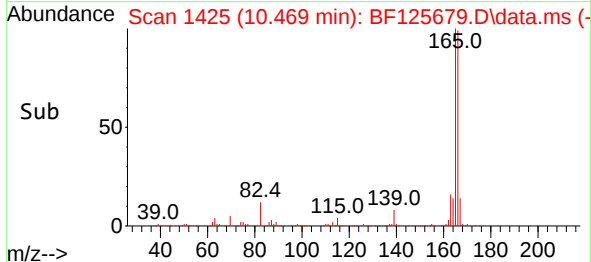
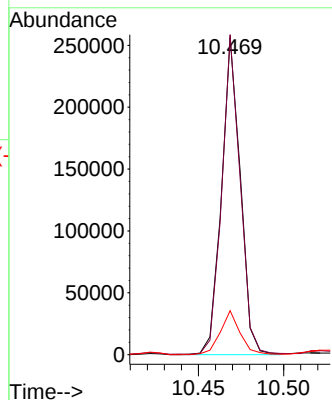
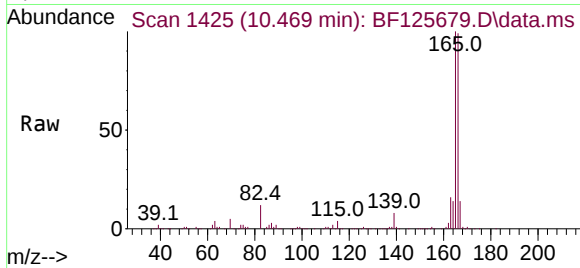




#58
Fluorene
Concen: 5.681 ng
RT: 10.469 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF125679.D
Acq: 27 Sep 2021 19:03

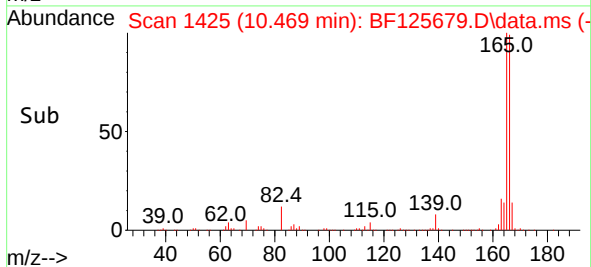
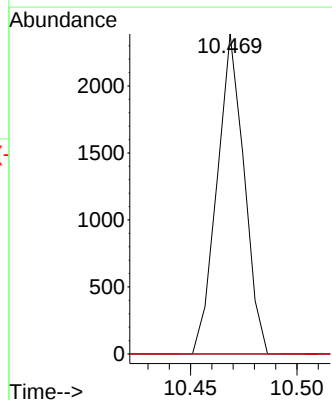
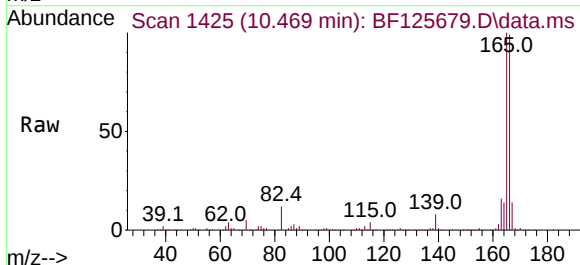
Instrument :
BNA_F
ClientSampleId :

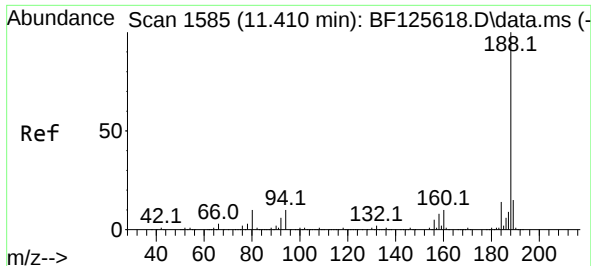
Tgt Ion:166 Resp: 197042
Ion Ratio Lower Upper
166 100
165 100.9 78.1 117.1
167 13.9 11.1 16.7



#62
4-Nitroaniline
Concen: 2.151 ng
RT: 10.469 min Scan# 1425
Delta R.T. -0.017 min
Lab File: BF125679.D
Acq: 27 Sep 2021 19:03

Tgt Ion:138 Resp: 2108
Ion Ratio Lower Upper
138 100
92 0.0 29.6 69.6#
108 0.0 78.1 118.1#

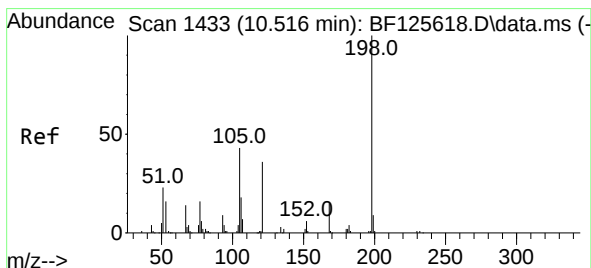
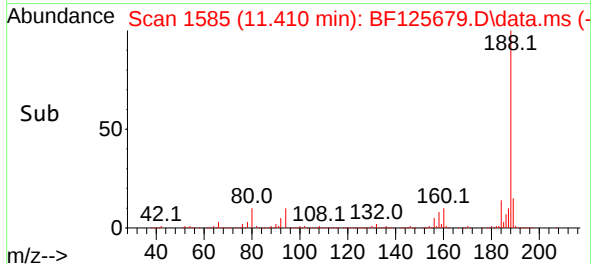
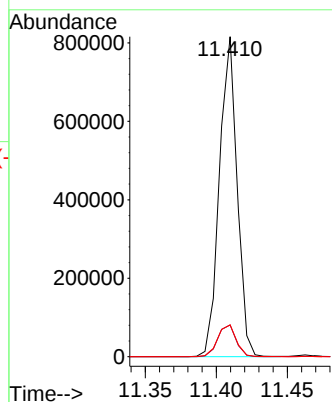
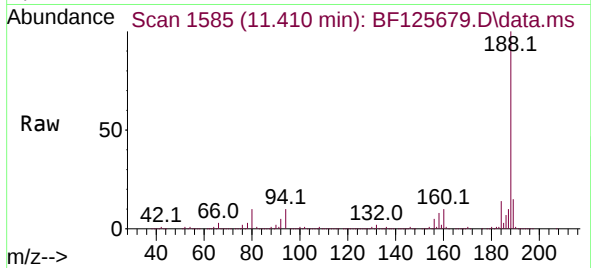




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.000 min
Lab File: BF125679.D
Acq: 27 Sep 2021 19:03

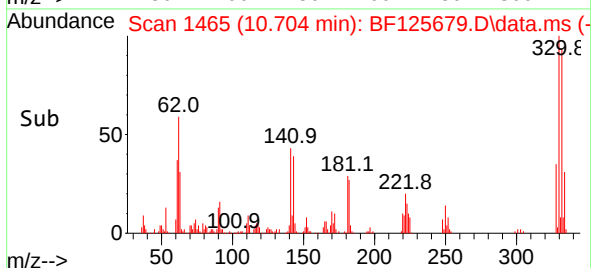
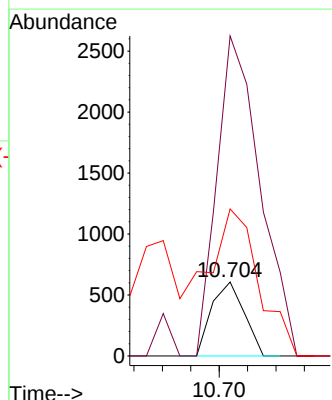
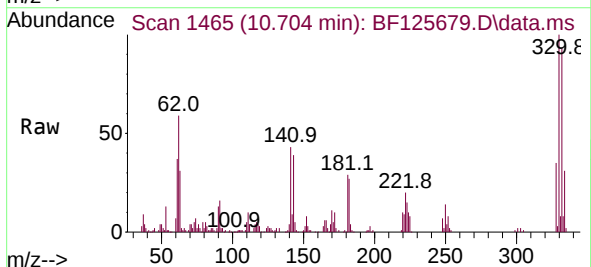
Instrument :
BNA_F
ClientSampleId :

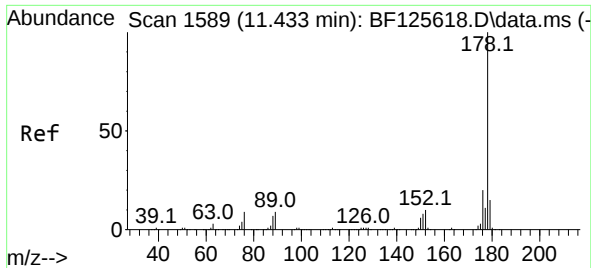
Tgt Ion:188 Resp: 706155
Ion Ratio Lower Upper
188 100
94 9.9 6.7 10.1
80 9.9 7.5 11.3



#65
4,6-Dinitro-2-methylphenol
Concen: 9.127 ng
RT: 10.704 min Scan# 1465
Delta R.T. 0.188 min
Lab File: BF125679.D
Acq: 27 Sep 2021 19:03

Tgt Ion:198 Resp: 482
Ion Ratio Lower Upper
198 100
51 433.0 45.3 85.3#
105 198.8 30.6 70.6#

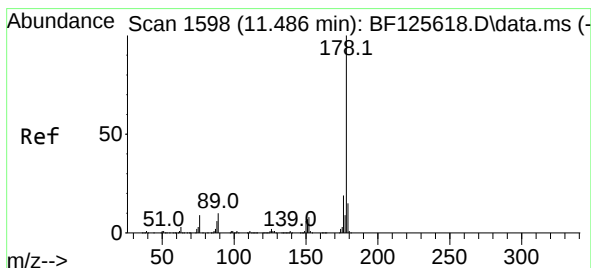
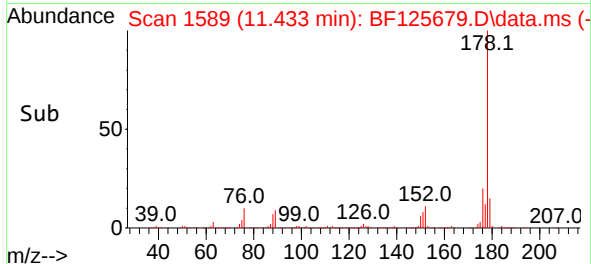
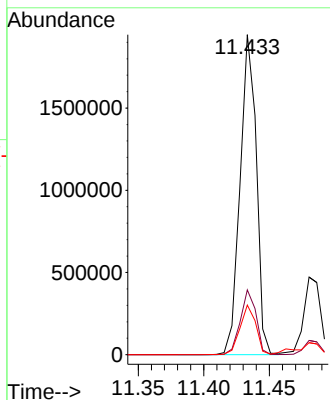
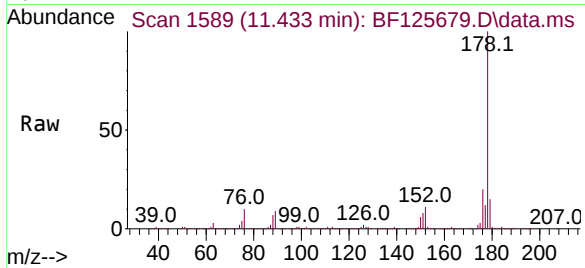




#71
Phenanthrene
Concen: 42.446 ng
RT: 11.433 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF125679.D
Acq: 27 Sep 2021 19:03

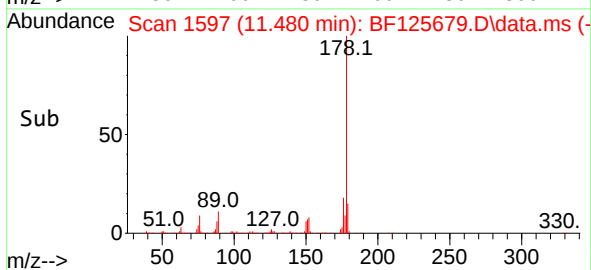
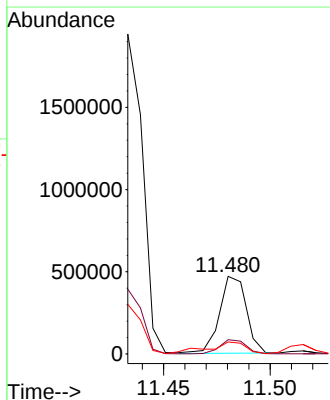
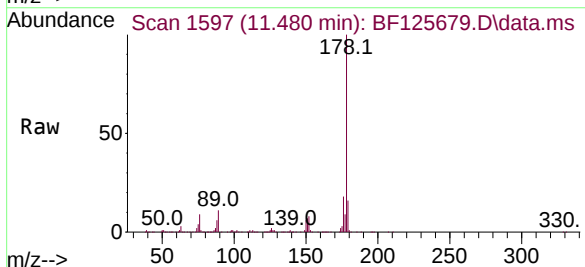
Instrument :
BNA_F
ClientSampleId :

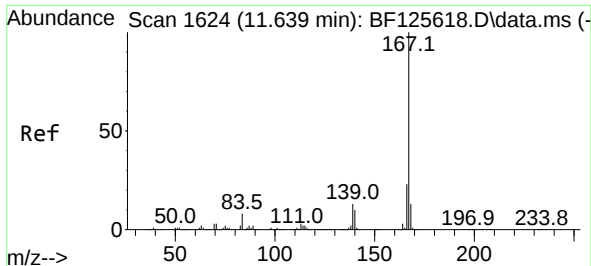
Tgt Ion:178 Resp: 1680792
Ion Ratio Lower Upper
178 100
176 20.3 14.7 22.1
179 15.5 11.5 17.3



#72
Anthracene
Concen: 10.467 ng
RT: 11.480 min Scan# 1597
Delta R.T. -0.006 min
Lab File: BF125679.D
Acq: 27 Sep 2021 19:03

Tgt Ion:178 Resp: 409564
Ion Ratio Lower Upper
178 100
176 18.3 14.3 21.5
179 15.6 12.2 18.4

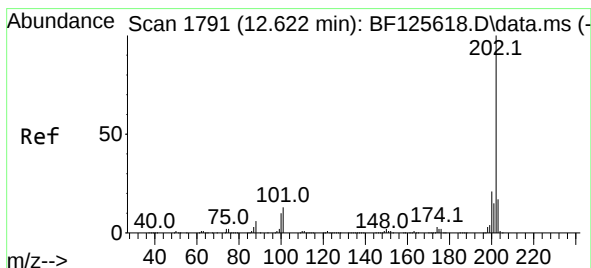
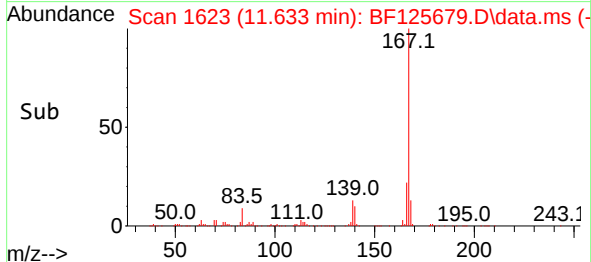
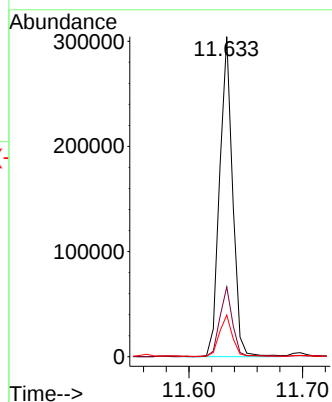
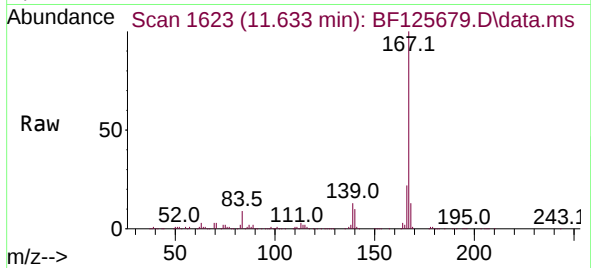




#73
 Carbazole
 Concen: 6.274 ng
 RT: 11.633 min Scan# 1623
 Delta R.T. -0.006 min
 Lab File: BF125679.D
 Acq: 27 Sep 2021 19:03

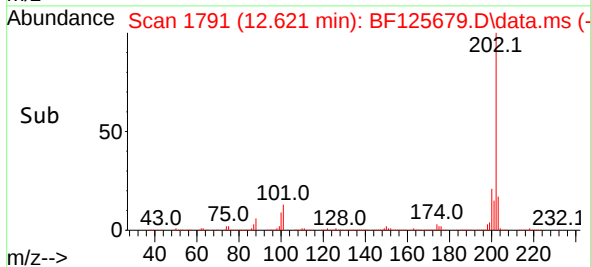
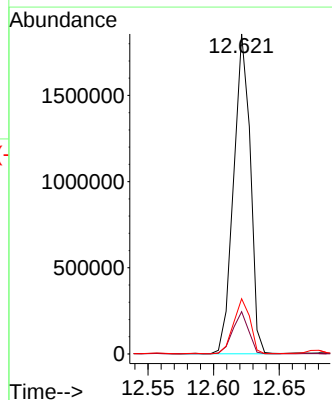
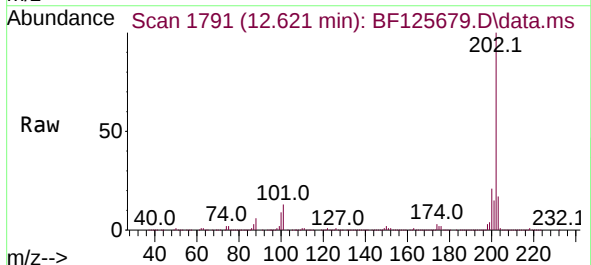
Instrument :
 BNA_F
 ClientSampleId :

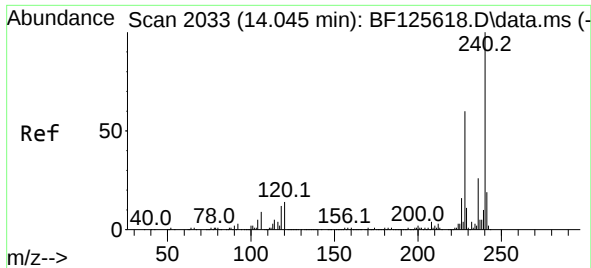
Tgt Ion:167 Resp: 241607
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.4 26.0
 139 13.0 11.0 16.4



#75
 Fluoranthene
 Concen: 38.738 ng
 RT: 12.621 min Scan# 1791
 Delta R.T. -0.001 min
 Lab File: BF125679.D
 Acq: 27 Sep 2021 19:03

Tgt Ion:202 Resp: 1639421
 Ion Ratio Lower Upper
 202 100
 101 13.2 0.0 30.7
 203 17.2 0.0 36.3

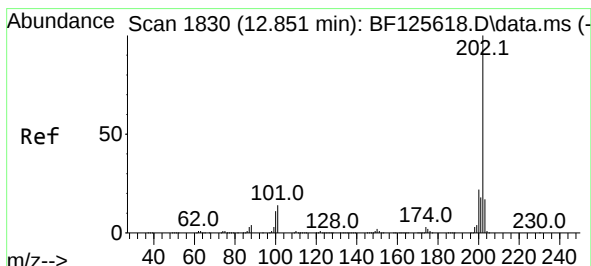
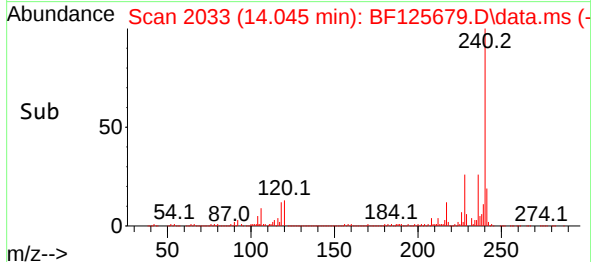
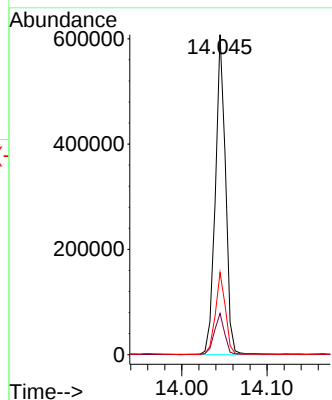
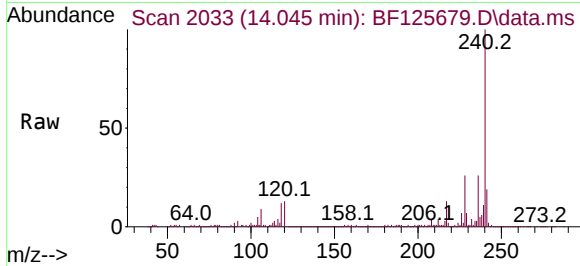




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF125679.D
Acq: 27 Sep 2021 19:03

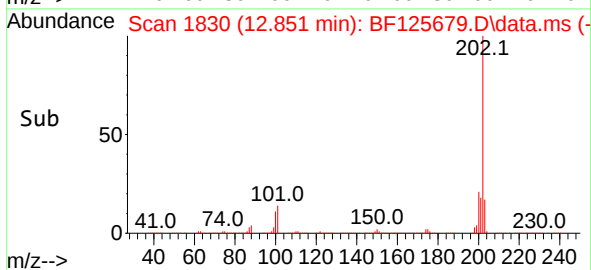
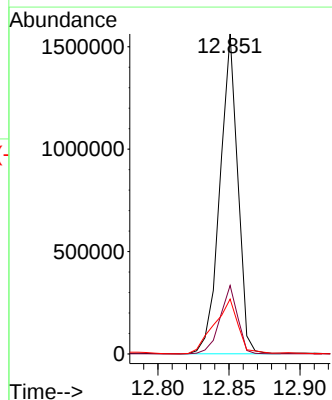
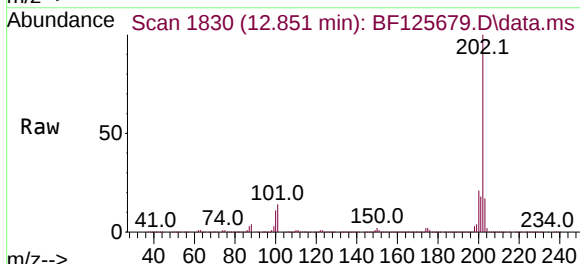
Instrument :
BNA_F
ClientSampled :

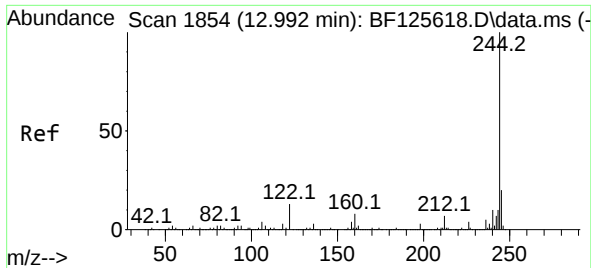
Tgt Ion:240 Resp: 506092
Ion Ratio Lower Upper
240 100
120 12.9 10.8 16.2
236 25.7 21.6 32.4



#78
Pyrene
Concen: 29.788 ng
RT: 12.851 min Scan# 1830
Delta R.T. -0.000 min
Lab File: BF125679.D
Acq: 27 Sep 2021 19:03

Tgt Ion:202 Resp: 1362433
Ion Ratio Lower Upper
202 100
200 21.4 15.3 22.9
203 17.2 13.4 20.0

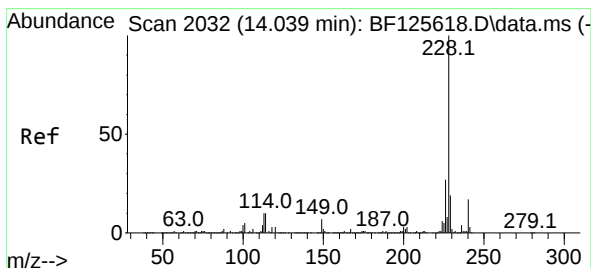
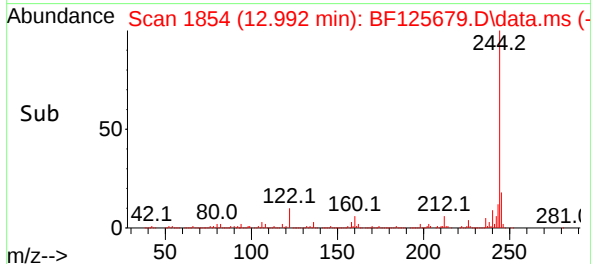
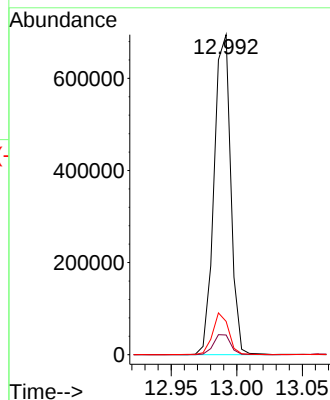
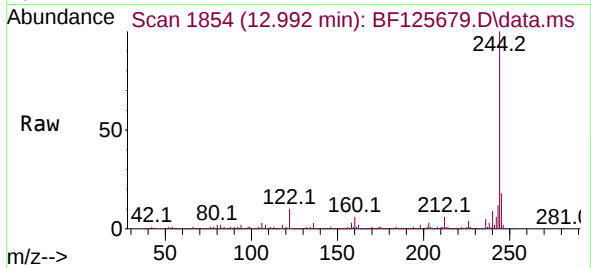




#79
 Terphenyl-d14
 Concen: 20.962 ng
 RT: 12.992 min Scan# 1854
 Delta R.T. -0.000 min
 Lab File: BF125679.D
 Acq: 27 Sep 2021 19:03

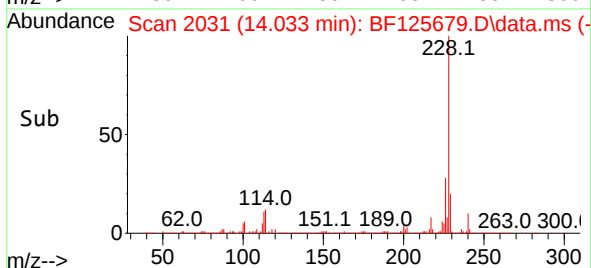
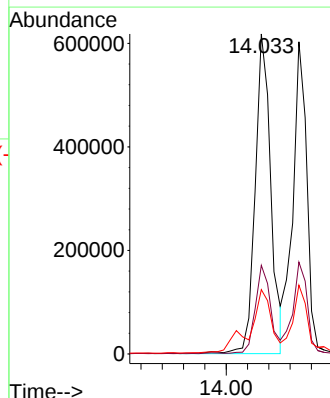
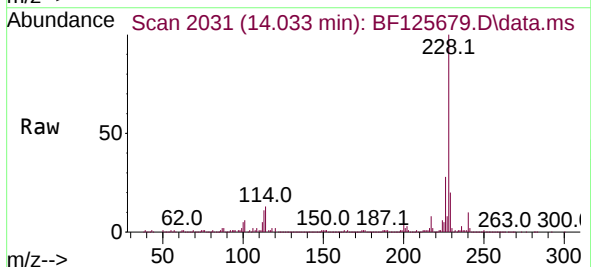
Instrument :
 BNA_F
 ClientSampled :

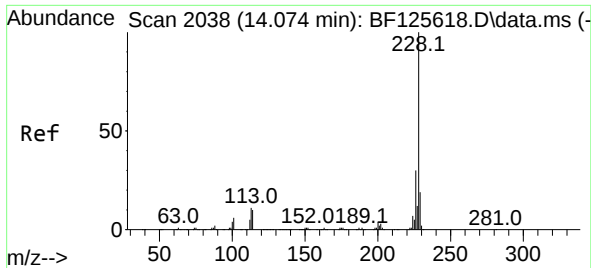
Tgt Ion:244 Resp: 612592
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.9 8.9
 122 10.4 9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 18.309 ng
 RT: 14.033 min Scan# 2031
 Delta R.T. -0.006 min
 Lab File: BF125679.D
 Acq: 27 Sep 2021 19:03

Tgt Ion:228 Resp: 629417
 Ion Ratio Lower Upper
 228 100
 226 27.7 21.6 32.4
 229 20.1 15.6 23.4

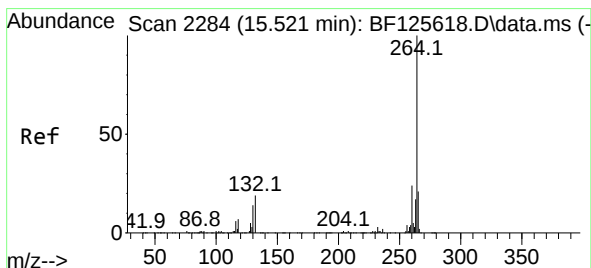
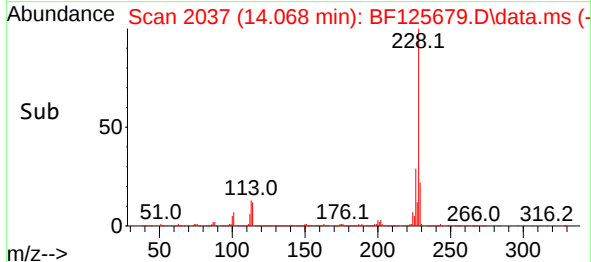
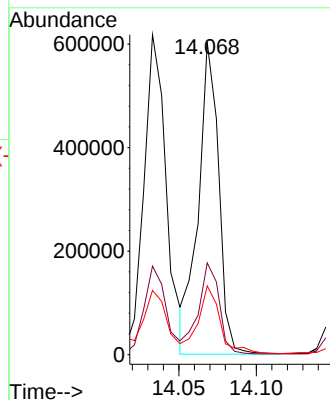
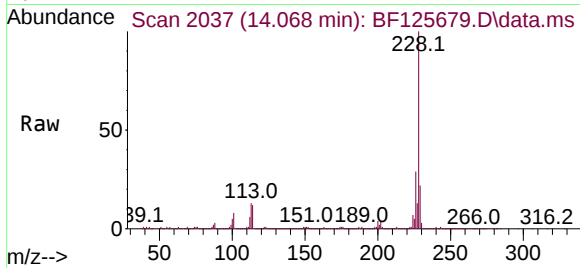




#83
Chrysene
Concen: 15.959 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF125679.D
Acq: 27 Sep 2021 19:03

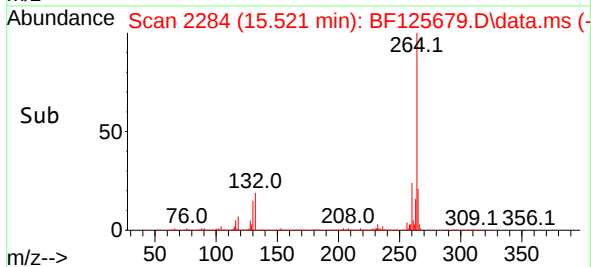
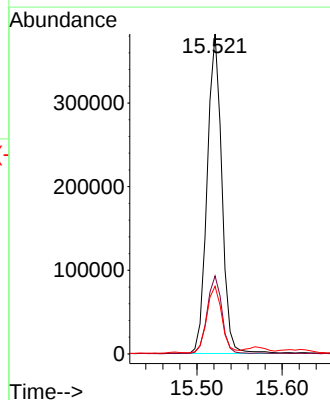
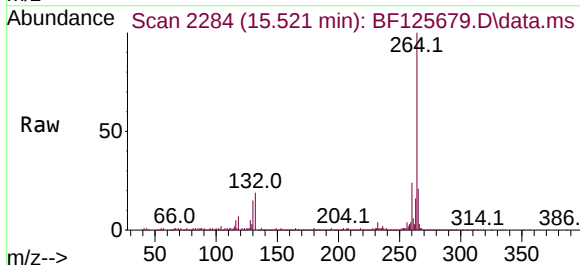
Instrument :
BNA_F
ClientSampleId :

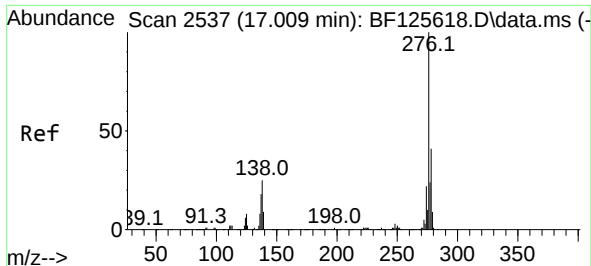
Tgt Ion:228	Resp: 550585
Ion Ratio	Lower Upper
228	100
226	29.4 22.6 34.0
229	22.1 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BF125679.D
Acq: 27 Sep 2021 19:03

Tgt Ion:264	Resp: 455535
Ion Ratio	Lower Upper
264	100
260	24.4 19.6 29.4
265	21.2 17.2 25.8

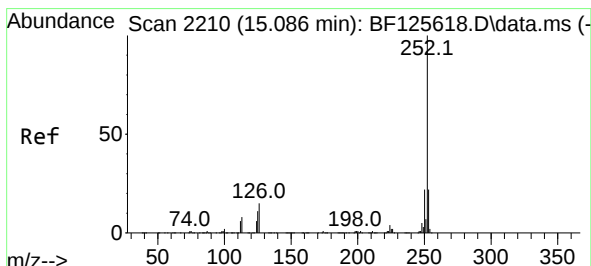
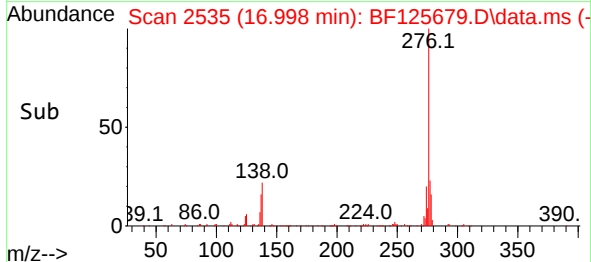
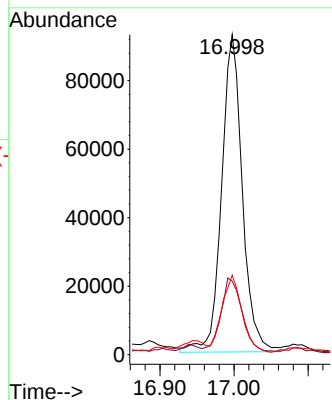
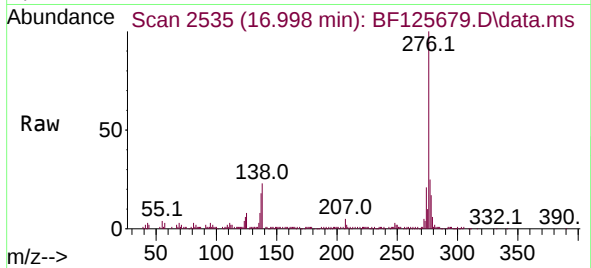




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.839 ng
RT: 16.998 min Scan# 2535
Delta R.T. -0.011 min
Lab File: BF125679.D
Acq: 27 Sep 2021 19:03

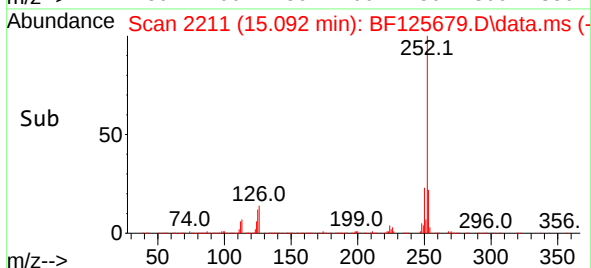
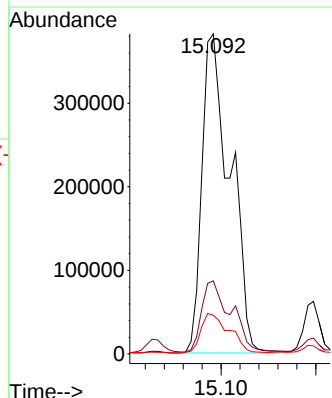
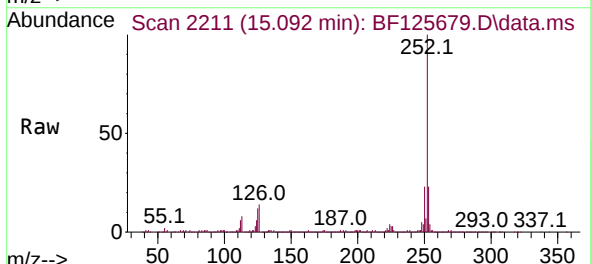
Instrument :
BNA_F
ClientSampleId :

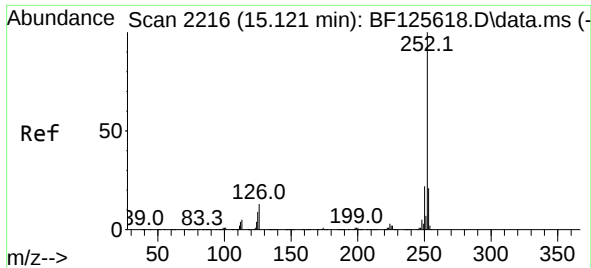
Tgt Ion:276 Resp: 180556
Ion Ratio Lower Upper
276 100
138 24.1 24.1 36.1
277 23.2 18.8 28.2



#88
Benzo(b)fluoranthene
Concen: 24.771 ng
RT: 15.092 min Scan# 2211
Delta R.T. 0.006 min
Lab File: BF125679.D
Acq: 27 Sep 2021 19:03

Tgt Ion:252 Resp: 790596
Ion Ratio Lower Upper
252 100
253 22.9 16.8 25.2
125 12.1 9.8 14.8

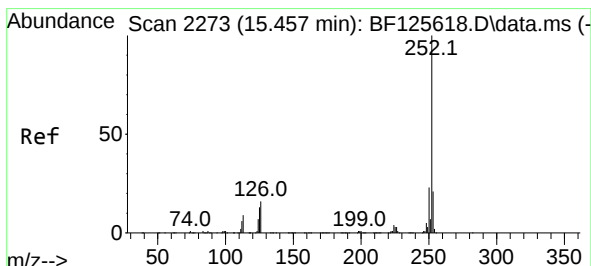
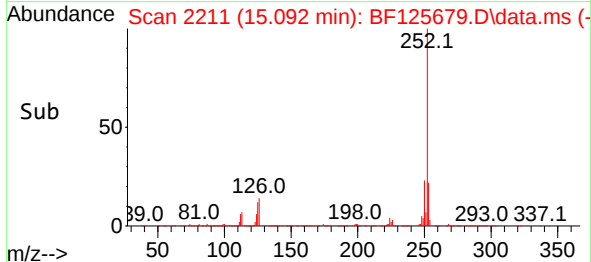
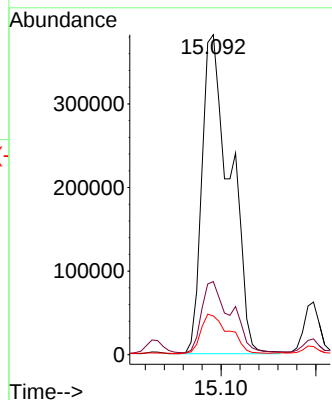
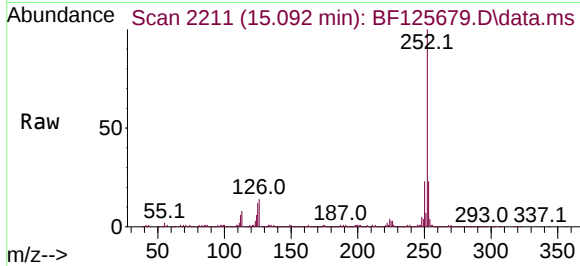




#89
Benzo(k)fluoranthene
Concen: 25.855 ng
RT: 15.092 min Scan# 2211
Delta R.T. -0.029 min
Lab File: BF125679.D
Acq: 27 Sep 2021 19:03

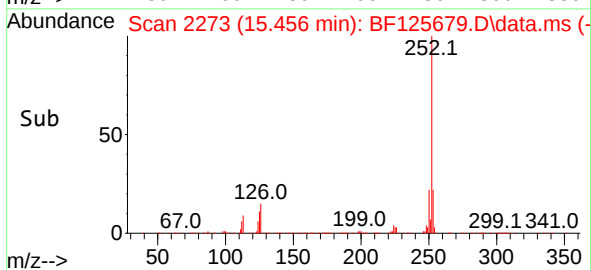
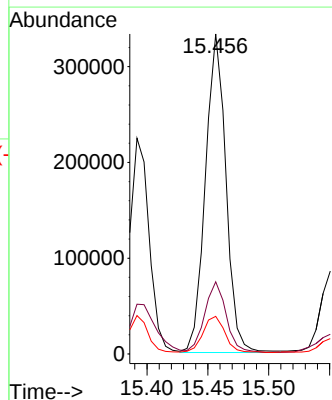
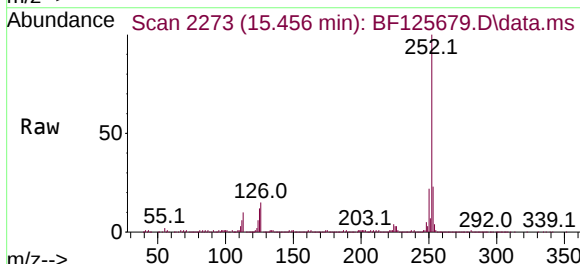
Instrument :
BNA_F
ClientSampleId :

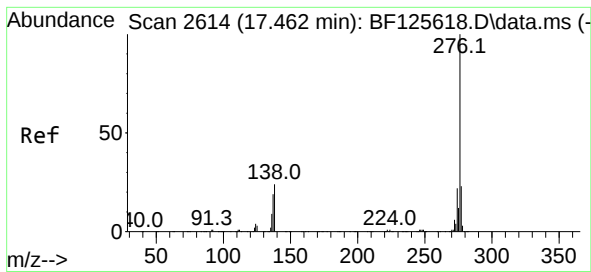
Tgt Ion:252 Resp: 790596
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 12.1 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 13.773 ng
RT: 15.456 min Scan# 2273
Delta R.T. -0.001 min
Lab File: BF125679.D
Acq: 27 Sep 2021 19:03

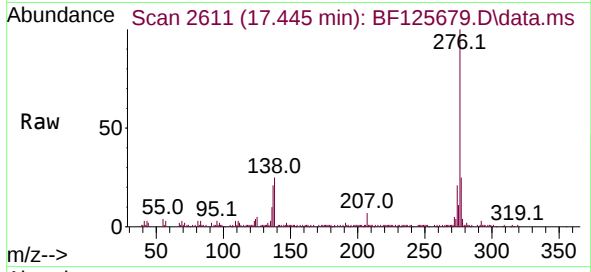
Tgt Ion:252 Resp: 391283
Ion Ratio Lower Upper
252 100
253 22.6 18.4 27.6
125 11.8 9.9 14.9





#92
 Benzo(g,h,i)perylene
 Concen: 5.857 ng
 RT: 17.445 min Scan# 2611
 Delta R.T. -0.017 min
 Lab File: BF125679.D
 Acq: 27 Sep 2021 19:03

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:	276	Resp:	154599
Ion	Ratio	Lower	Upper
276	100		
277	24.8	22.0	33.0
138	24.6	22.2	33.4

