

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012622\
 Data File : BF126703.D
 Acq On : 26 Jan 2022 22:45
 Operator : CG/JU
 Sample : N1266-08
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-11-(2.10-3.6)

Quant Time: Jan 27 03:15:50 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 27 03:09:40 2022
 Response via : Initial Calibration

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

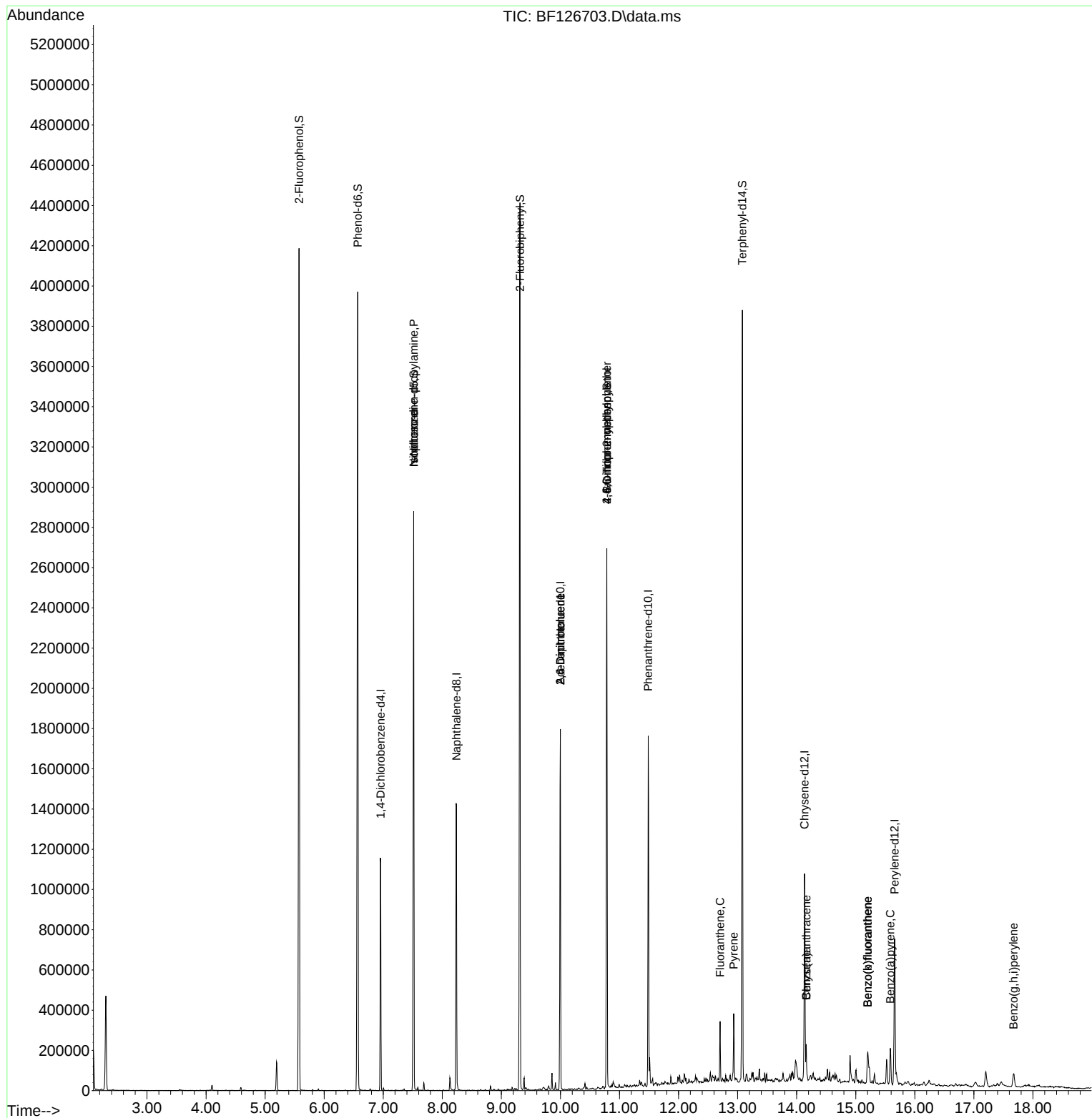
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.957	152	161496	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	634439	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	345810	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	574301	20.000	ng	0.00
76) Chrysene-d12	14.133	240	311142	20.000	ng	-0.01
86) Perylene-d12	15.656	264	312829	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	1119342	91.206	ng	0.00
7) Phenol-d6	6.569	99	1533366	89.926	ng	0.00
23) Nitrobenzene-d5	7.516	82	1056329	65.169	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	277119	85.630	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1323075	58.595	ng	0.00
79) Terphenyl-d14	13.080	244	1212095	65.340	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.504	77	252	Below Cal	#	50
19) n-Nitroso-di-n-propyla...	7.516	70	139099	11.177	ng	# 69
25) Isophorone	7.516	82	1049005	33.371	ng	# 69
51) 2,6-Dinitrotoluene	9.998	165	43936	10.367	ng	# 21
57) 2,4-Dinitrotoluene	9.998	165	43936	8.555	ng	# 15
65) 4,6-Dinitro-2-methylph...	10.786	198	699	7.587	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	18355	2.773	ng	# 1
75) Fluoranthene	12.704	202	95140	2.936	ng	99
78) Pyrene	12.933	202	115662	4.597	ng	97
81) Benzo(a)anthracene	14.162	228	67104	3.173	ng	96
83) Chrysene	14.162	228	67104	3.298	ng	99
88) Benzo(b)fluoranthene	15.204	252	121902	5.876	ng	95
89) Benzo(k)fluoranthene	15.204	252	121902	5.985	ng	97
90) Benzo(a)pyrene	15.586	252	76504	4.533	ng	96
92) Benzo(g,h,i)perylene	17.674	276	55500	3.535	ng	93

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

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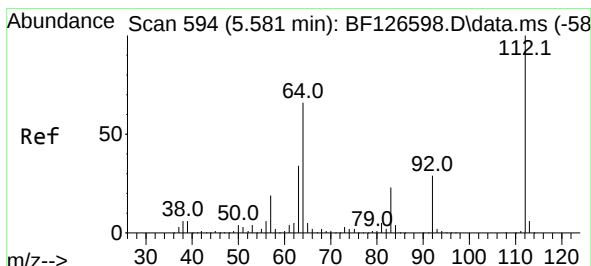
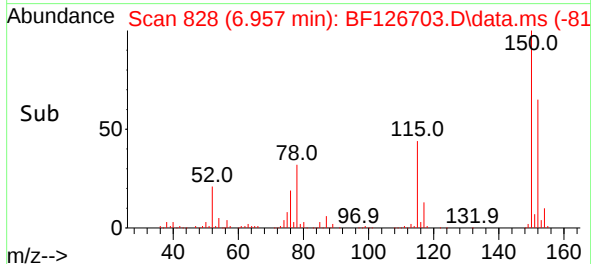
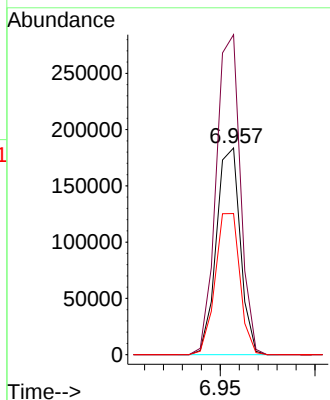
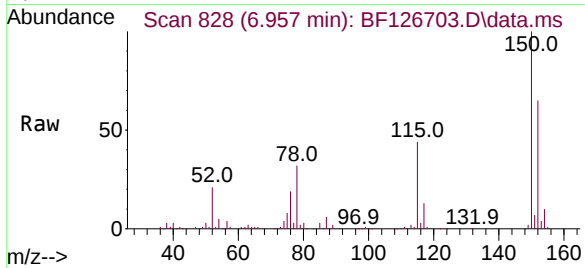




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.957 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF126703.D
Acq: 26 Jan 2022 22:45

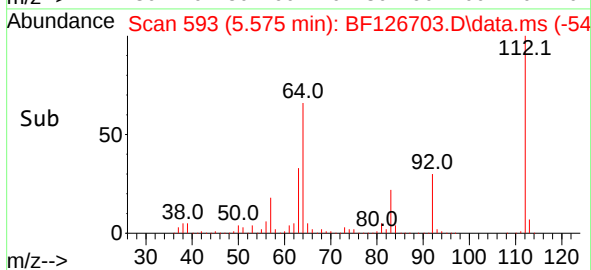
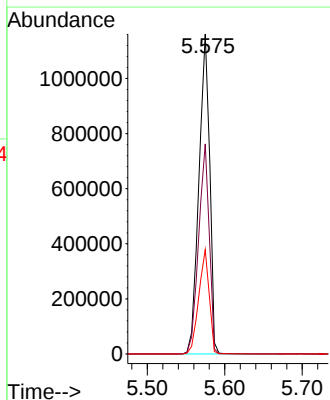
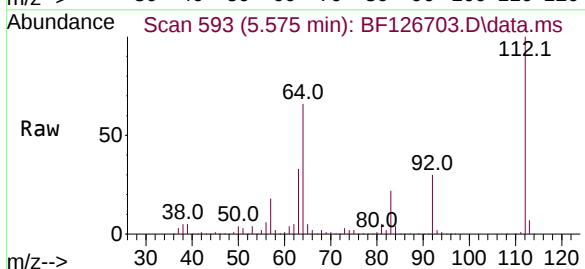
Instrument :
BNA_F
ClientSampleId :
RB-11-(2.10-3.6)

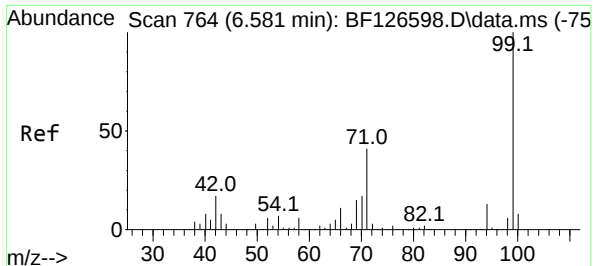
Tgt Ion:152 Resp: 161496
Ion Ratio Lower Upper
152 100
150 154.8 128.1 192.1
115 68.3 56.7 85.1



#5
2-Fluorophenol
Concen: 91.206 ng
RT: 5.575 min Scan# 593
Delta R.T. 0.006 min
Lab File: BF126703.D
Acq: 26 Jan 2022 22:45

Tgt Ion:112 Resp: 1119342
Ion Ratio Lower Upper
112 100
64 65.7 49.5 74.3
63 32.6 23.9 35.9

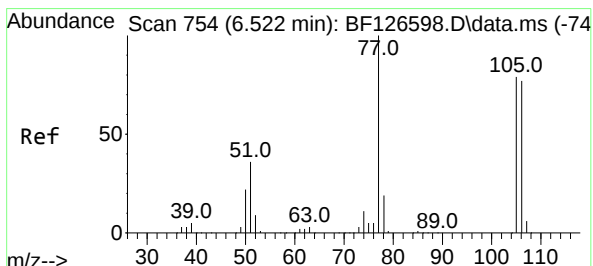
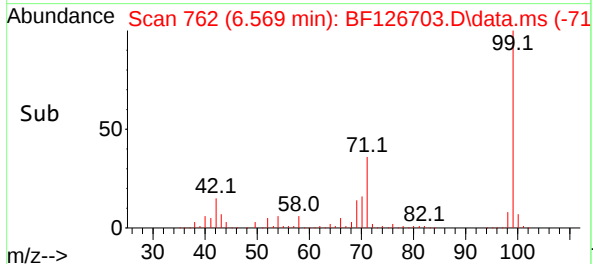
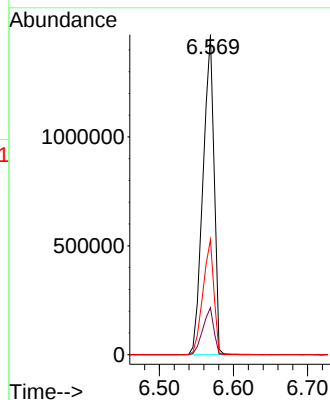
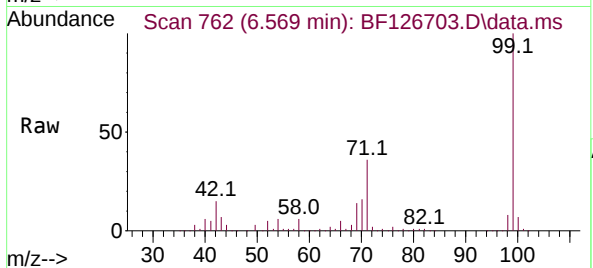




#7
Phenol-d6
Concen: 89.926 ng
RT: 6.569 min Scan# 701
Delta R.T. -0.006 min
Lab File: BF126703.D
Acq: 26 Jan 2022 22:45

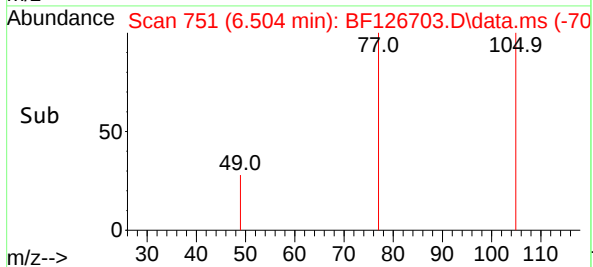
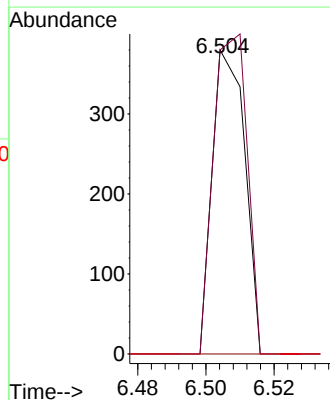
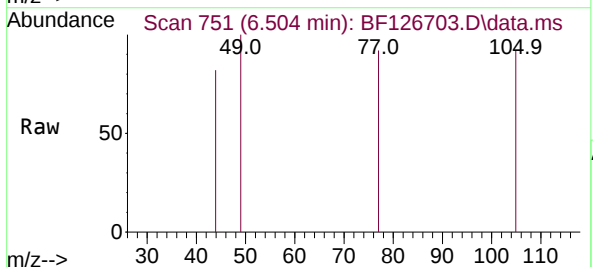
Instrument :
BNA_F
ClientSampleId :
RB-11-(2.10-3.6)

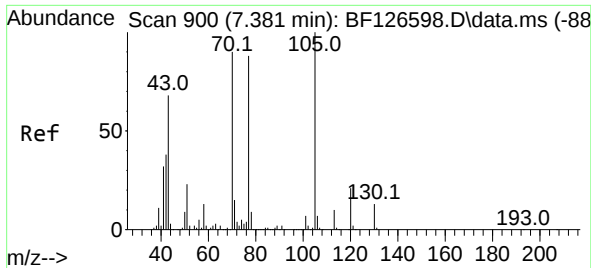
Tgt Ion: 99 Resp: 1533366
Ion Ratio Lower Upper
99 100
42 14.7 14.2 21.4
71 36.0 24.3 36.5



#9
Benzaldehyde
Concen: Below Cal
RT: 6.504 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF126703.D
Acq: 26 Jan 2022 22:45

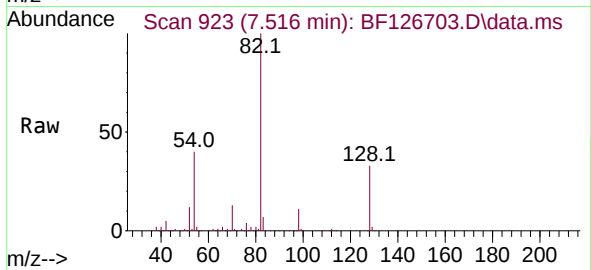
Tgt Ion: 77 Resp: 252
Ion Ratio Lower Upper
77 100
105 100.0 74.9 114.9
106 0.0 72.4 112.4#



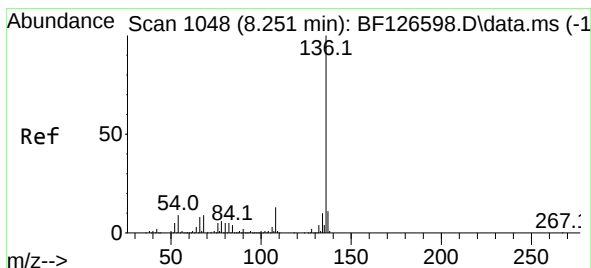
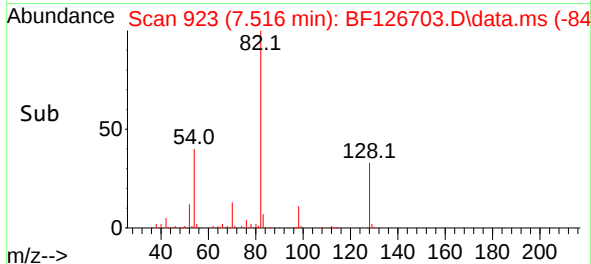
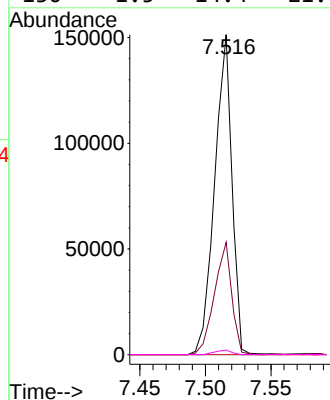


#19
n-Nitroso-di-n-propylamine
Concen: 11.177 ng
RT: 7.516 min Scan# 91
Delta R.T. 0.147 min
Lab File: BF126703.D
Acq: 26 Jan 2022 22:45

Instrument :
BNA_F
ClientSampleId :
RB-11-(2.10-3.6)

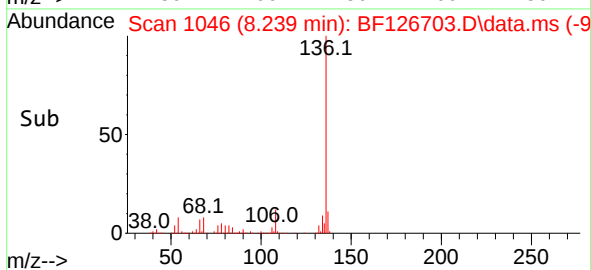
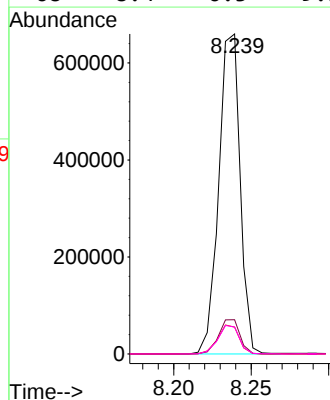
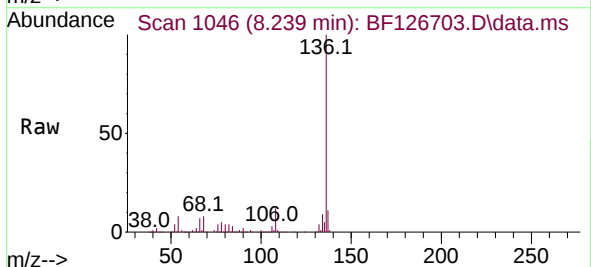


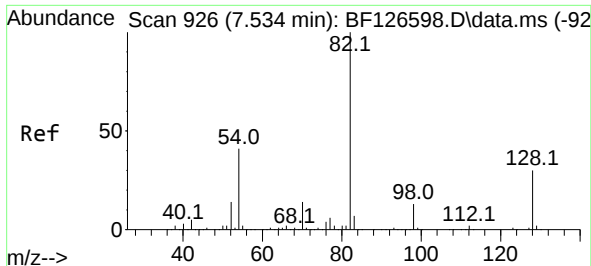
Tgt Ion: 70 Resp: 139099
Ion Ratio Lower Upper
70 100
42 35.1 45.8 68.8#
101 0.0 6.9 10.3#
130 1.5 14.4 21.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1046
Delta R.T. -0.000 min
Lab File: BF126703.D
Acq: 26 Jan 2022 22:45

Tgt Ion: 136 Resp: 634439
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.4 7.8 11.6
68 8.4 6.3 9.5

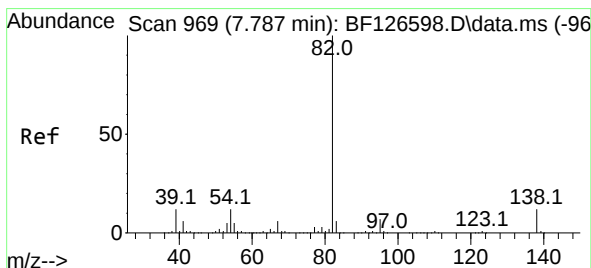
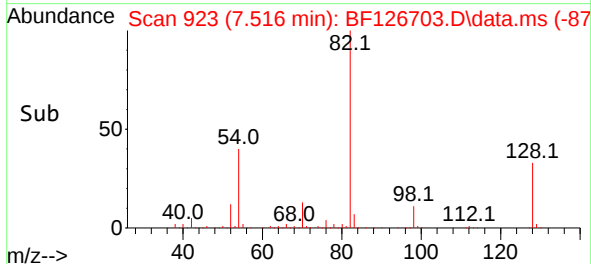
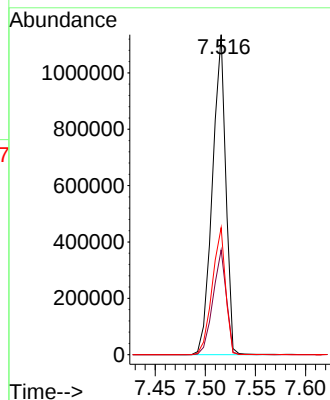
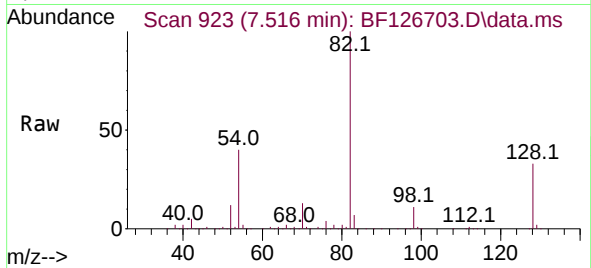




#23
Nitrobenzene-d5
Concen: 65.169 ng
RT: 7.516 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF126703.D
Acq: 26 Jan 2022 22:45

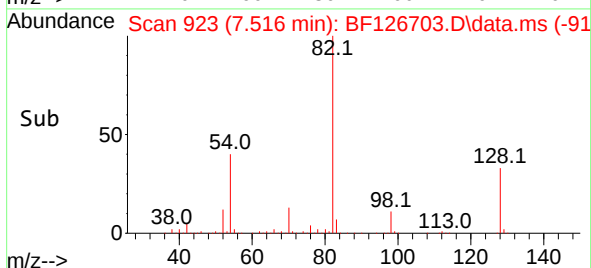
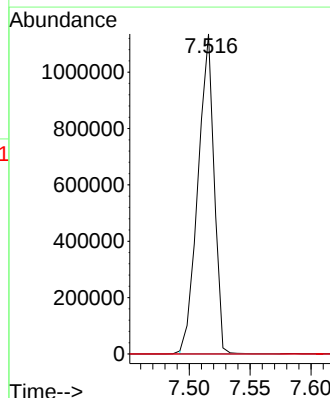
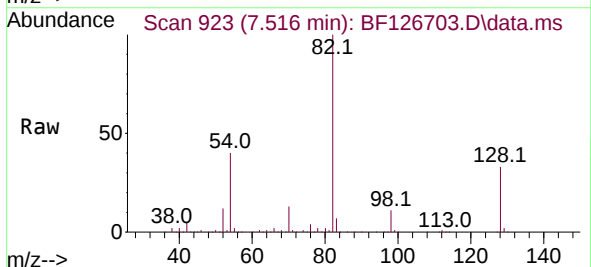
Instrument :
BNA_F
ClientSampleId :
RB-11-(2.10-3.6)

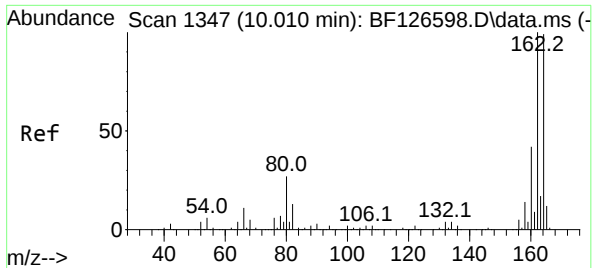
Tgt Ion: 82 Resp: 1056329
Ion Ratio Lower Upper
82 100
128 32.8 32.7 49.1
54 39.7 41.7 62.5#



#25
Isophorone
Concen: 33.371 ng
RT: 7.516 min Scan# 923
Delta R.T. -0.265 min
Lab File: BF126703.D
Acq: 26 Jan 2022 22:45

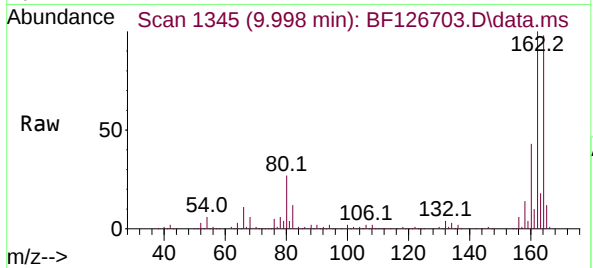
Tgt Ion: 82 Resp: 1049005
Ion Ratio Lower Upper
82 100
95 0.0 5.0 7.4#
138 0.0 12.3 18.5#



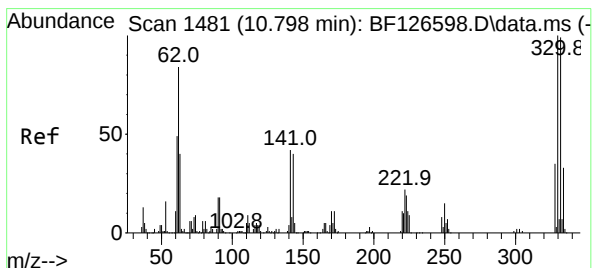
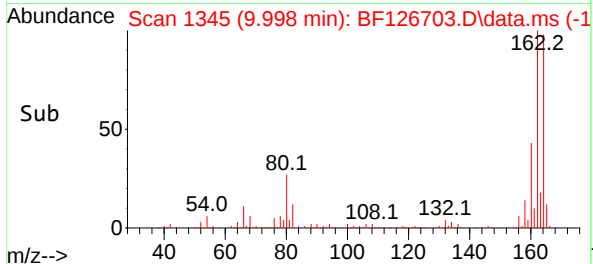
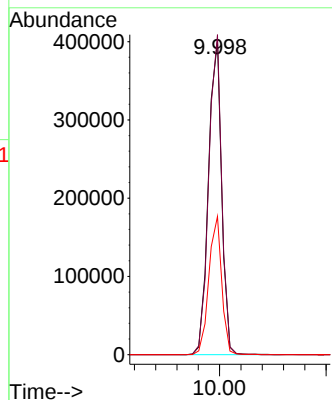


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF126703.D
Acq: 26 Jan 2022 22:45

Instrument :
BNA_F
ClientSampleId :
RB-11-(2.10-3.6)

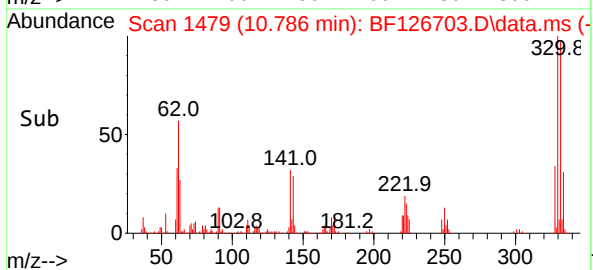
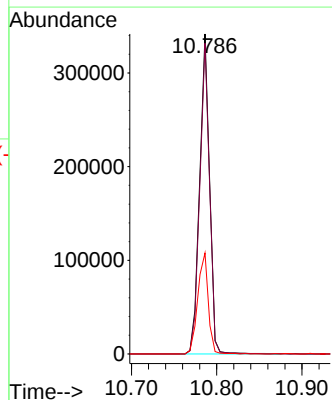
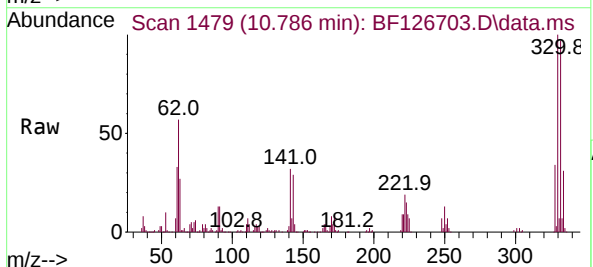


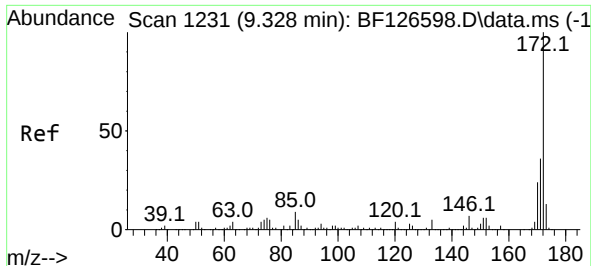
Tgt Ion:164 Resp: 345810
Ion Ratio Lower Upper
164 100
162 101.9 81.4 122.0
160 44.0 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 85.630 ng
RT: 10.786 min Scan# 1479
Delta R.T. -0.006 min
Lab File: BF126703.D
Acq: 26 Jan 2022 22:45

Tgt Ion:330 Resp: 277119
Ion Ratio Lower Upper
330 100
332 96.0 76.0 114.0
141 33.3 30.1 45.1





#45

2-Fluorobiphenyl

Concen: 58.595 ng

RT: 9.316 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF126703.D

Acq: 26 Jan 2022 22:45

Instrument :

BNA_F

ClientSampleId :

RB-11-(2.10-3.6)

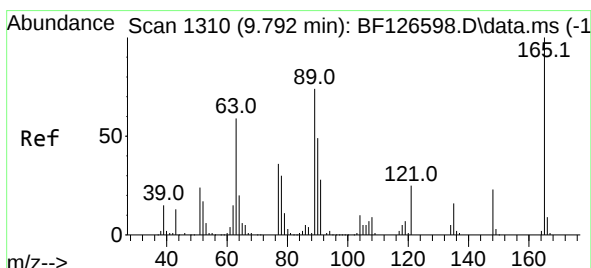
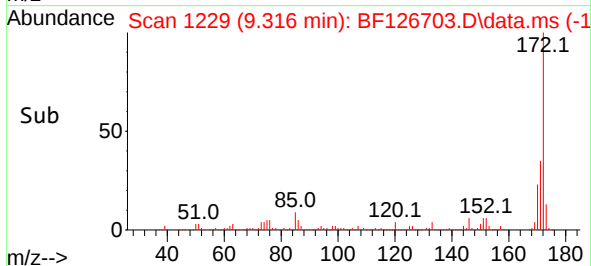
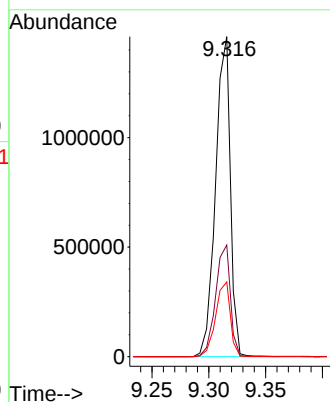
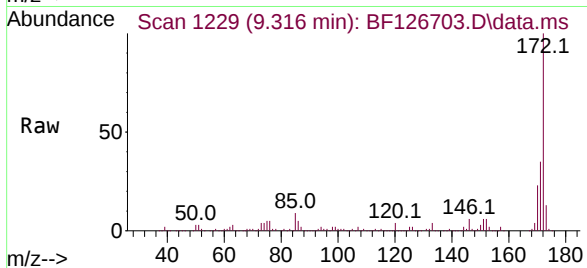
Tgt Ion:172 Resp: 1323075

Ion Ratio Lower Upper

172 100

171 34.9 28.3 42.5

170 23.4 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 10.367 ng

RT: 9.998 min Scan# 1345

Delta R.T. 0.218 min

Lab File: BF126703.D

Acq: 26 Jan 2022 22:45

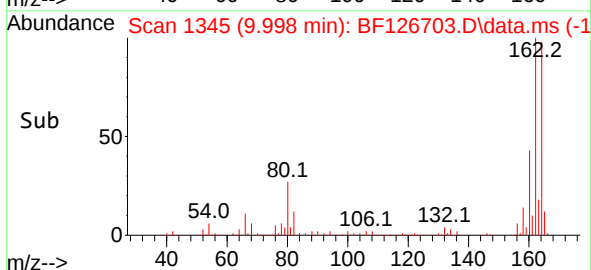
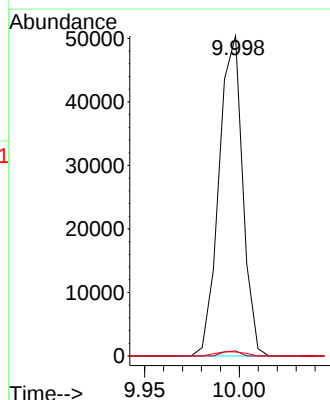
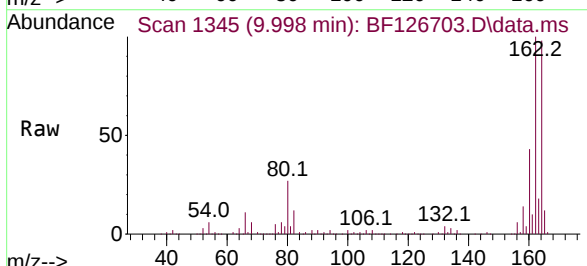
Tgt Ion:165 Resp: 43936

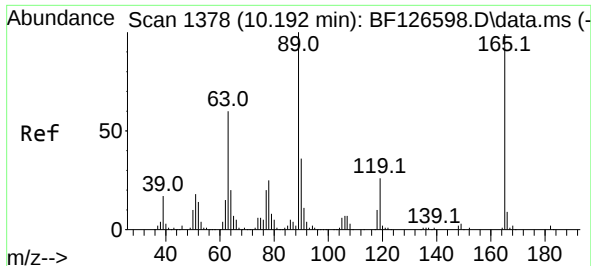
Ion Ratio Lower Upper

165 100

63 1.6 48.4 72.6#

89 1.2 50.5 75.7#

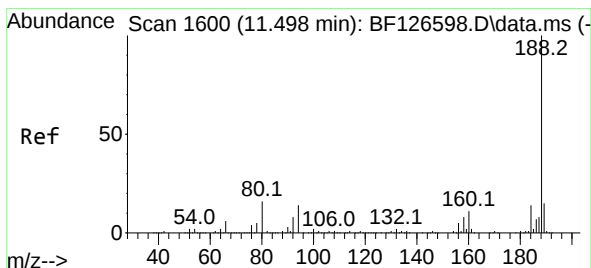
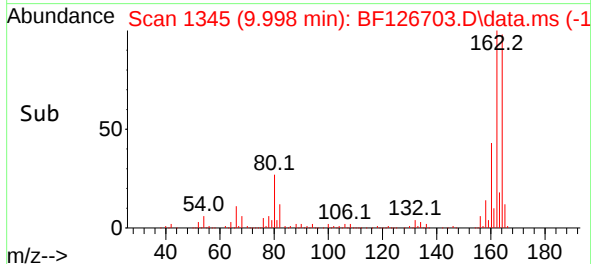
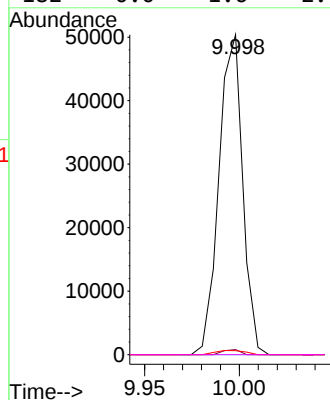
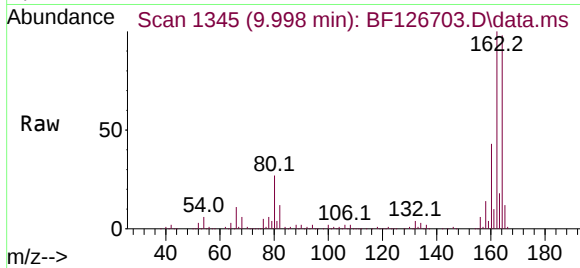




#57
2,4-Dinitrotoluene
Concen: 8.555 ng
RT: 9.998 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF126703.D
Acq: 26 Jan 2022 22:45

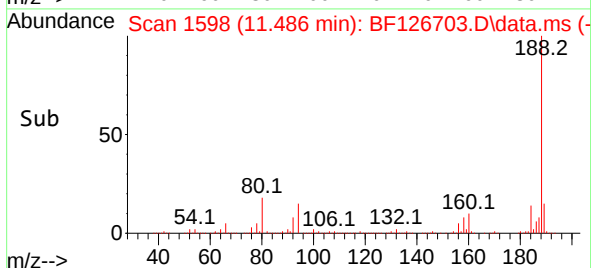
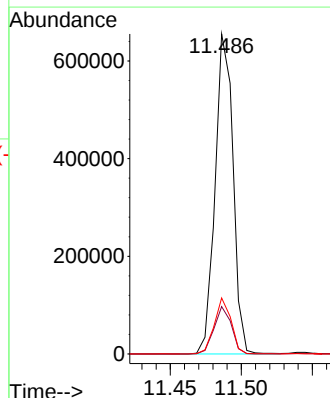
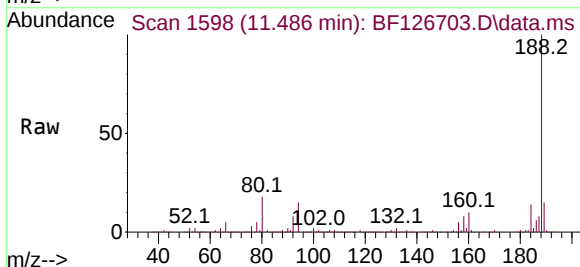
Instrument :
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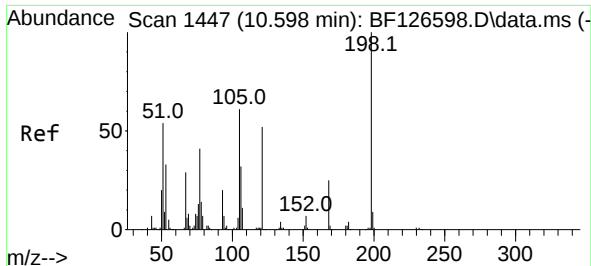
Tgt Ion:165 Resp: 43936
Ion Ratio Lower Upper
165 100
63 1.6 43.0 64.6#
89 1.2 71.0 106.4#
182 0.0 1.6 2.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1598
Delta R.T. -0.006 min
Lab File: BF126703.D
Acq: 26 Jan 2022 22:45

Tgt Ion:188 Resp: 574301
Ion Ratio Lower Upper
188 100
94 14.8 10.1 15.1
80 17.5 11.8 17.6





#65

4,6-Dinitro-2-methylphenol

Concen: 7.587 ng

RT: 10.786 min Scan# 1447

Delta R.T. 0.194 min

Lab File: BF126703.D

Acq: 26 Jan 2022 22:45

Instrument :

BNA_F

ClientSampleId :

RB-11-(2.10-3.6)

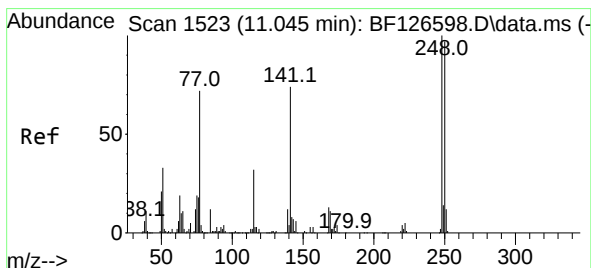
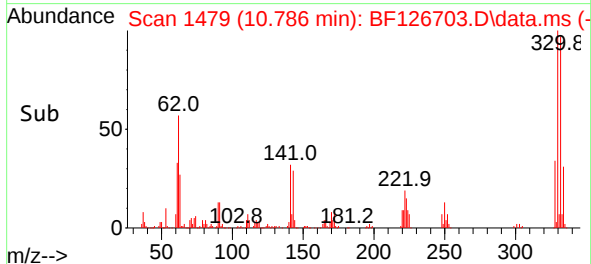
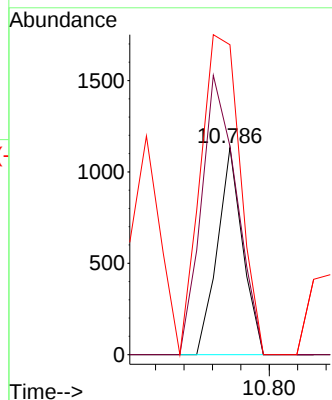
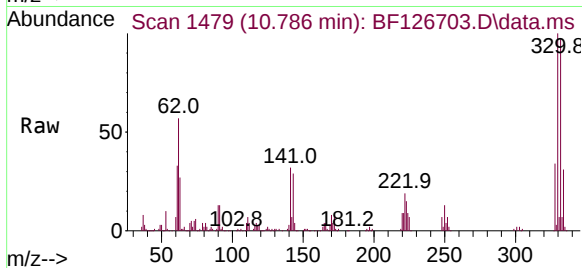
Tgt Ion:198 Resp: 699

Ion Ratio Lower Upper

198 100

51 100.7 32.0 72.0#

105 149.7 32.7 72.7#



#67

4-Bromophenyl-phenylether

Concen: 2.773 ng

RT: 10.786 min Scan# 1479

Delta R.T. -0.247 min

Lab File: BF126703.D

Acq: 26 Jan 2022 22:45

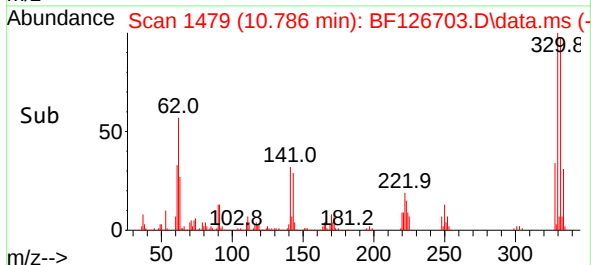
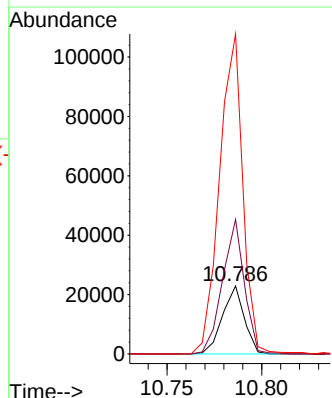
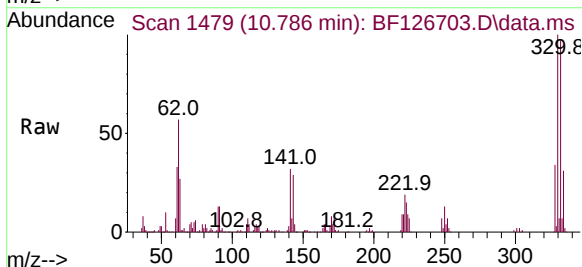
Tgt Ion:248 Resp: 18355

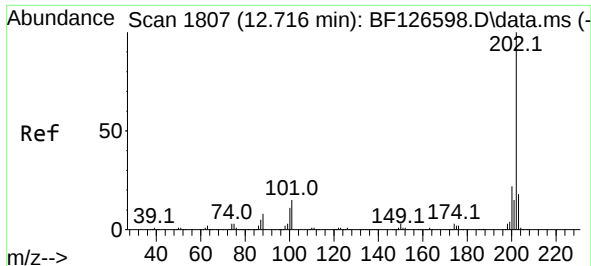
Ion Ratio Lower Upper

248 100

250 197.7 76.2 114.4#

141 470.1 66.2 99.4#

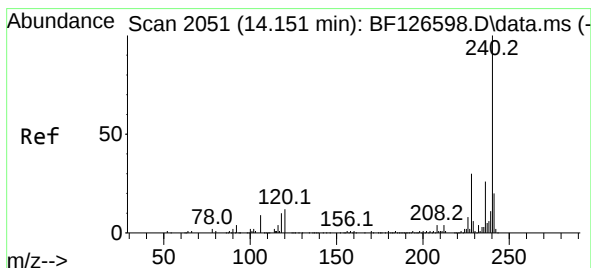
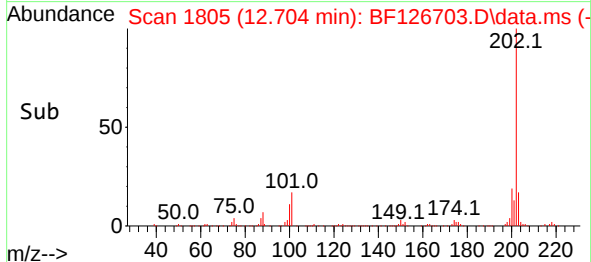
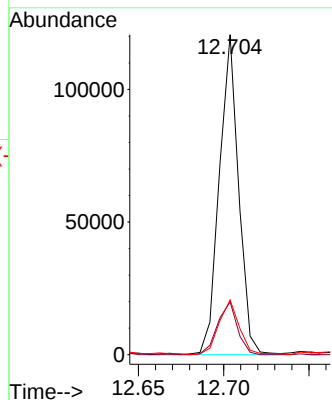
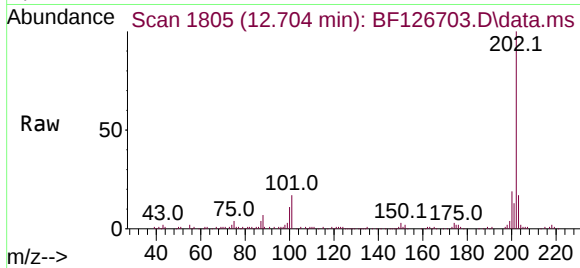




#75
Fluoranthene
Concen: 2.936 ng
RT: 12.704 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126703.D
Acq: 26 Jan 2022 22:45

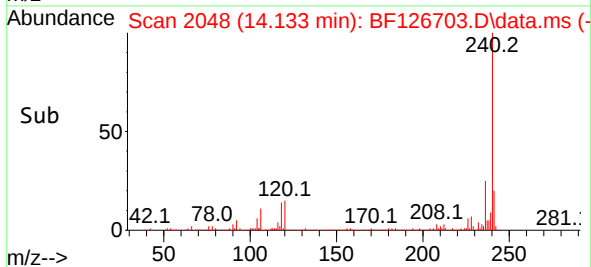
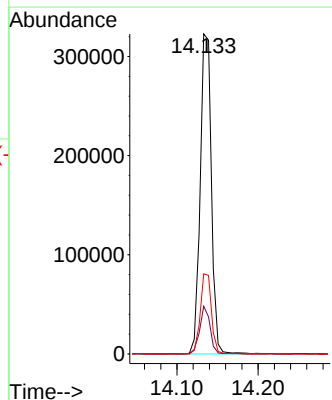
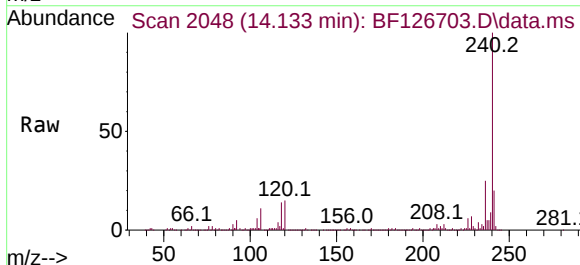
Instrument :
BNA_F
ClientSampleId :
RB-11-(2.10-3.6)

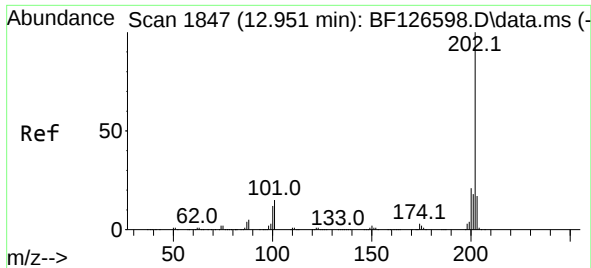
Tgt Ion:202 Resp: 95140
Ion Ratio Lower Upper
202 100
101 16.5 0.0 35.7
203 17.1 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2048
Delta R.T. -0.012 min
Lab File: BF126703.D
Acq: 26 Jan 2022 22:45

Tgt Ion:240 Resp: 311142
Ion Ratio Lower Upper
240 100
120 14.9 14.4 21.6
236 25.0 20.5 30.7

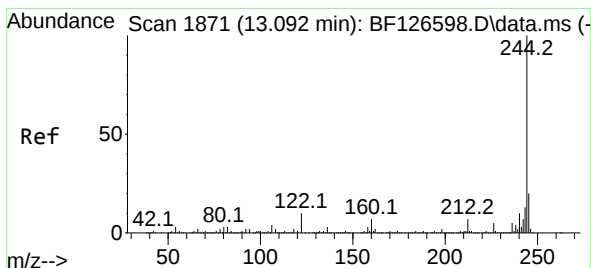
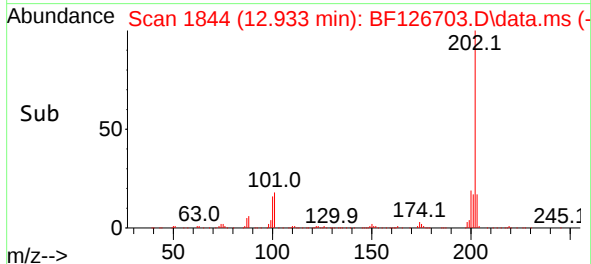
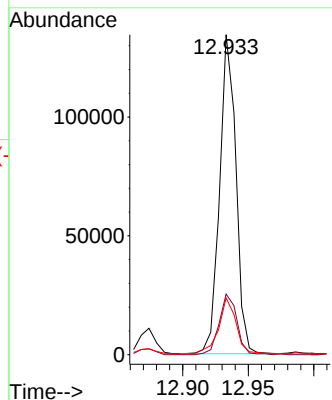
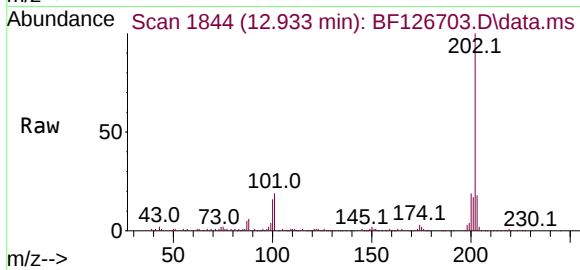




#78
Pyrene
Concen: 4.597 ng
RT: 12.933 min Scan# 1844
Delta R.T. -0.006 min
Lab File: BF126703.D
Acq: 26 Jan 2022 22:45

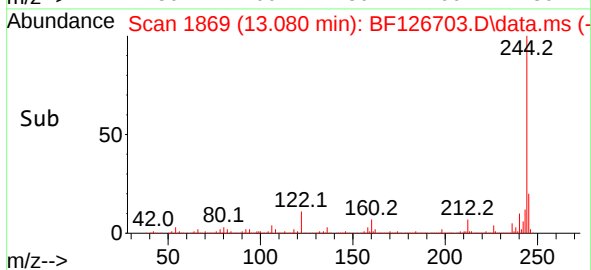
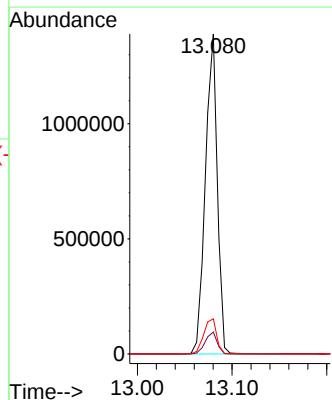
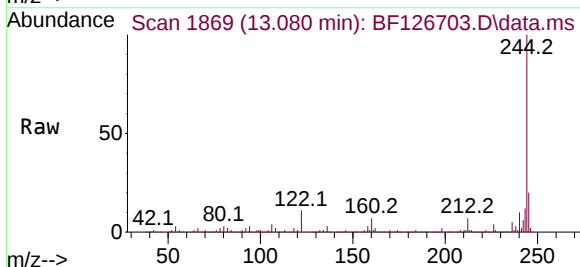
Instrument :
BNA_F
ClientSampleId :
RB-11-(2.10-3.6)

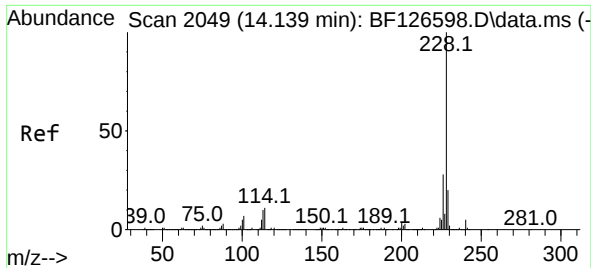
Tgt Ion:202 Resp: 115662
Ion Ratio Lower Upper
202 100
200 19.0 16.6 24.8
203 17.8 13.8 20.8



#79
Terphenyl-d14
Concen: 65.340 ng
RT: 13.080 min Scan# 1869
Delta R.T. -0.000 min
Lab File: BF126703.D
Acq: 26 Jan 2022 22:45

Tgt Ion:244 Resp: 1212095
Ion Ratio Lower Upper
244 100
212 6.9 5.0 7.4
122 11.0 13.3 19.9#

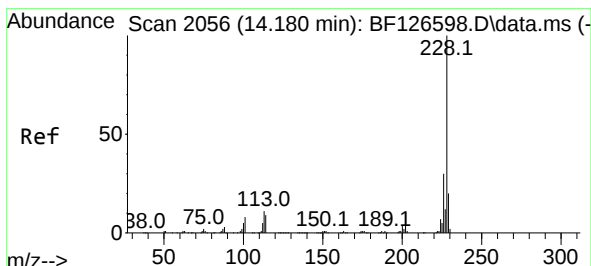
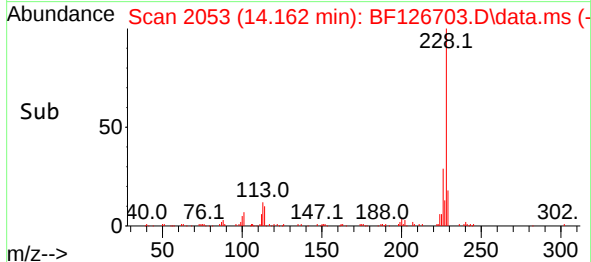
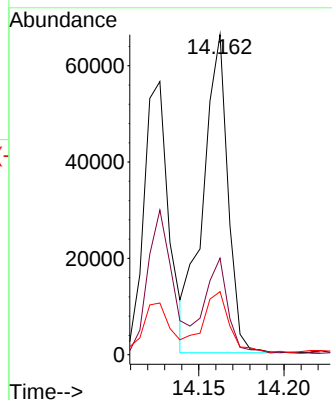
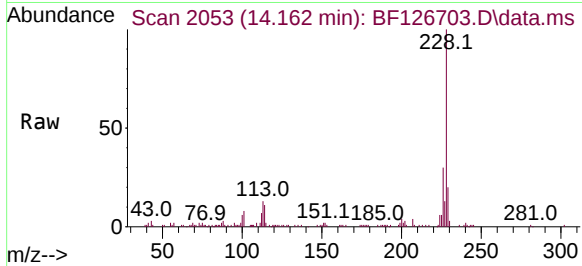




#81
Benzo(a)anthracene
Concen: 3.173 ng
RT: 14.162 min Scan# 2053
Delta R.T. 0.029 min
Lab File: BF126703.D
Acq: 26 Jan 2022 22:45

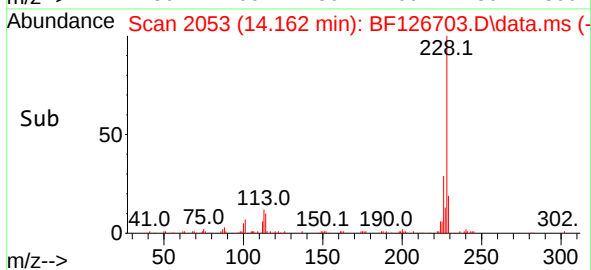
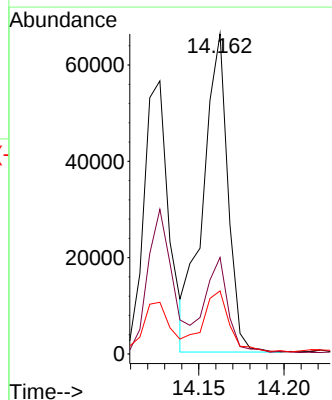
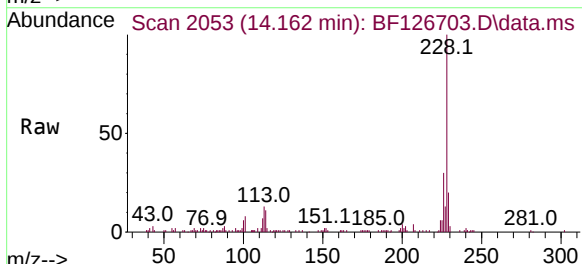
Instrument :
BNA_F
ClientSampleId :
RB-11-(2.10-3.6)

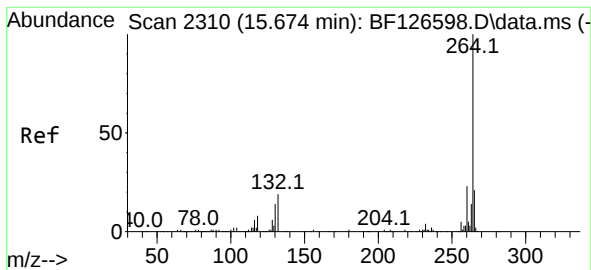
Tgt Ion:228 Resp: 67104
Ion Ratio Lower Upper
228 100
226 30.1 21.4 32.0
229 19.7 15.4 23.2



#83
Chrysene
Concen: 3.298 ng
RT: 14.162 min Scan# 2053
Delta R.T. -0.006 min
Lab File: BF126703.D
Acq: 26 Jan 2022 22:45

Tgt Ion:228 Resp: 67104
Ion Ratio Lower Upper
228 100
226 30.1 23.7 35.5
229 19.7 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.656 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF126703.D

Acq: 26 Jan 2022 22:45

Instrument :

BNA_F

ClientSampleId :

RB-11-(2.10-3.6)

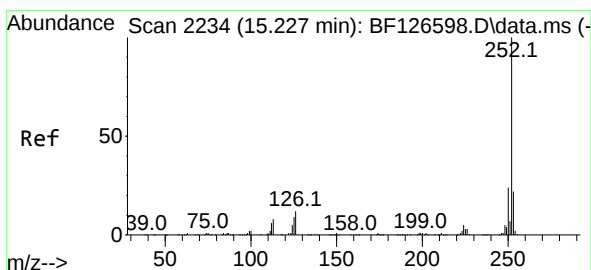
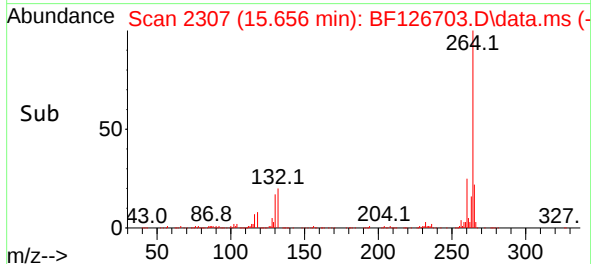
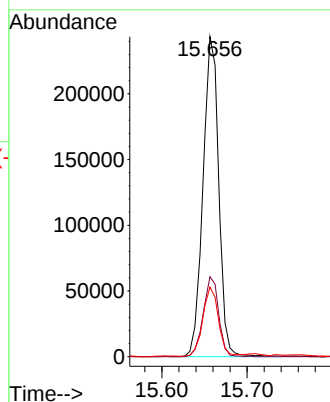
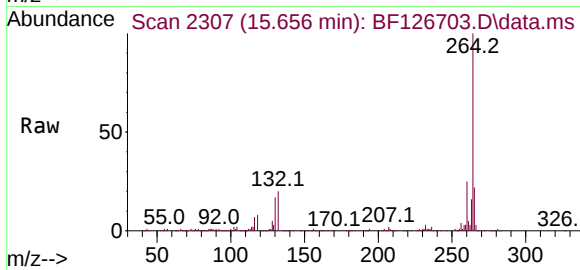
Tgt Ion:264 Resp: 312829

Ion Ratio Lower Upper

264 100

260 25.0 19.2 28.8

265 21.8 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 5.876 ng

RT: 15.204 min Scan# 2230

Delta R.T. -0.006 min

Lab File: BF126703.D

Acq: 26 Jan 2022 22:45

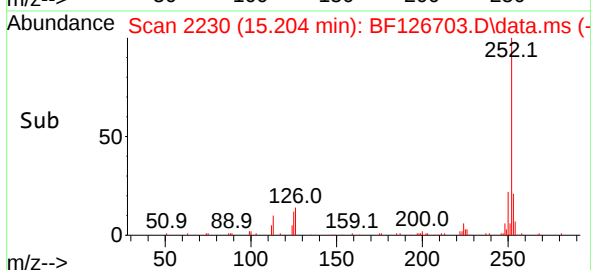
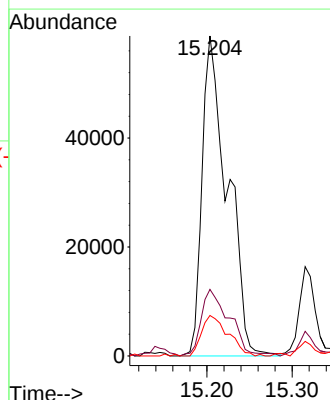
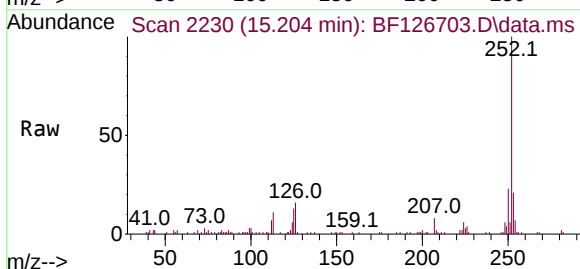
Tgt Ion:252 Resp: 121902

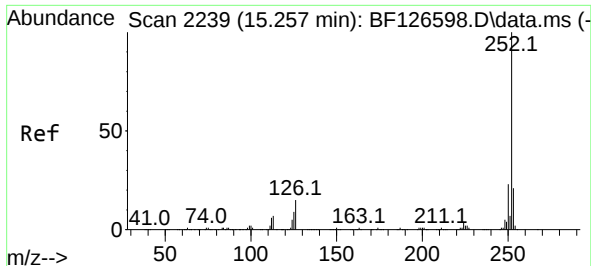
Ion Ratio Lower Upper

252 100

253 20.8 17.8 26.8

125 12.6 12.4 18.6





#89

Benzo(k)fluoranthene

Concen: 5.985 ng

RT: 15.204 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF126703.D

Acq: 26 Jan 2022 22:45

Instrument :

BNA_F

ClientSampleId :

RB-11-(2.10-3.6)

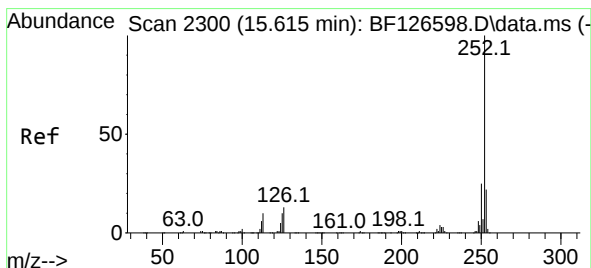
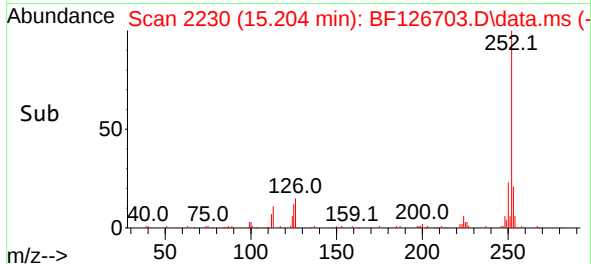
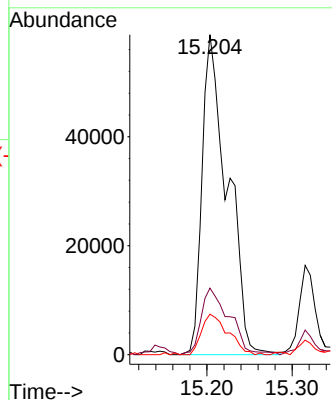
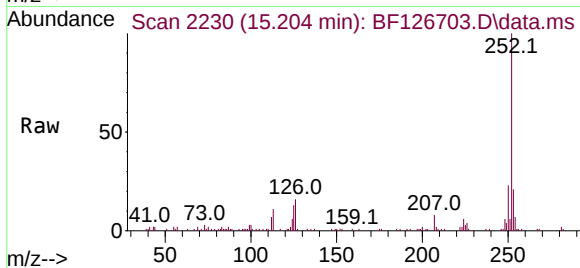
Tgt Ion:252 Resp: 121902

Ion Ratio Lower Upper

252 100

253 20.8 17.5 26.3

125 12.6 11.8 17.6



#90

Benzo(a)pyrene

Concen: 4.533 ng

RT: 15.586 min Scan# 2295

Delta R.T. -0.012 min

Lab File: BF126703.D

Acq: 26 Jan 2022 22:45

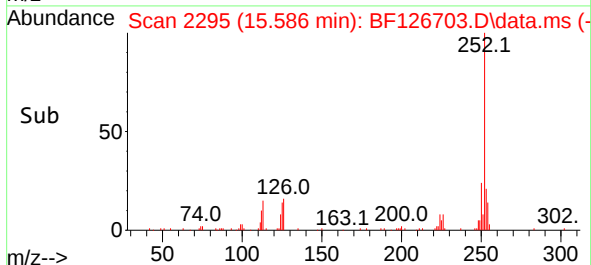
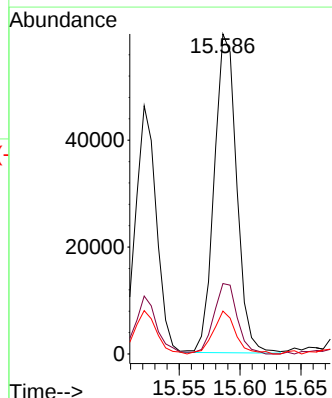
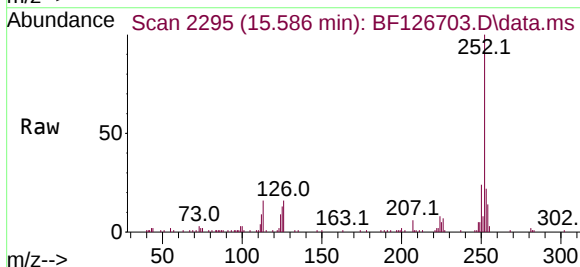
Tgt Ion:252 Resp: 76504

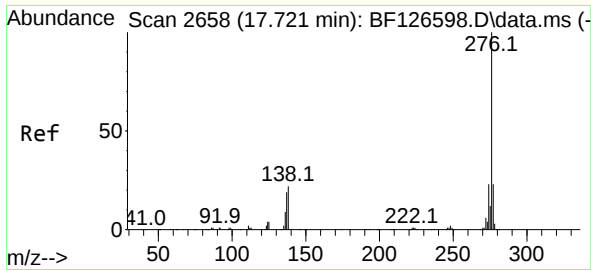
Ion Ratio Lower Upper

252 100

253 22.0 17.1 25.7

125 13.4 13.0 19.6





#92

Benzo(g,h,i)perylene

Concen: 3.535 ng

RT: 17.674 min Scan# 20

Delta R.T. -0.024 min

Lab File: BF126703.D

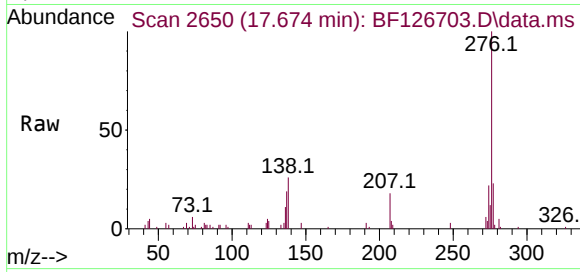
Acq: 26 Jan 2022 22:45

Instrument :

BNA_F

ClientSampleId :

RB-11-(2.10-3.6)



Tgt Ion:276 Resp: 55500

Ion Ratio Lower Upper

276 100

277 23.3 18.5 27.7

138 26.0 25.9 38.9

