

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121817\
 Data File : BF101476.D
 Acq On : 18 Dec 2017 13:15
 Operator : SJ/JU
 Sample : I6678-01DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-01-121317DL

Quant Time: Dec 18 15:40:53 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 18 15:38:59 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	162719	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	641047	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	284728	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	531552	20.00	ng	0.00
75) Chrysene-d12	13.99	240	354920	20.00	ng	0.00
86) Perylene-d12	15.46	264	328789	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	114945	10.52	ng	0.00
7) Phenol-d6	6.45	99	158836	11.68	ng	0.00
23) Nitrobenzene-d5	7.37	82	91873	7.98	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	29112	10.61	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	173632	9.46	ng	0.00
78) Terphenyl-d14	12.92	244	173879	11.81	ng	0.00

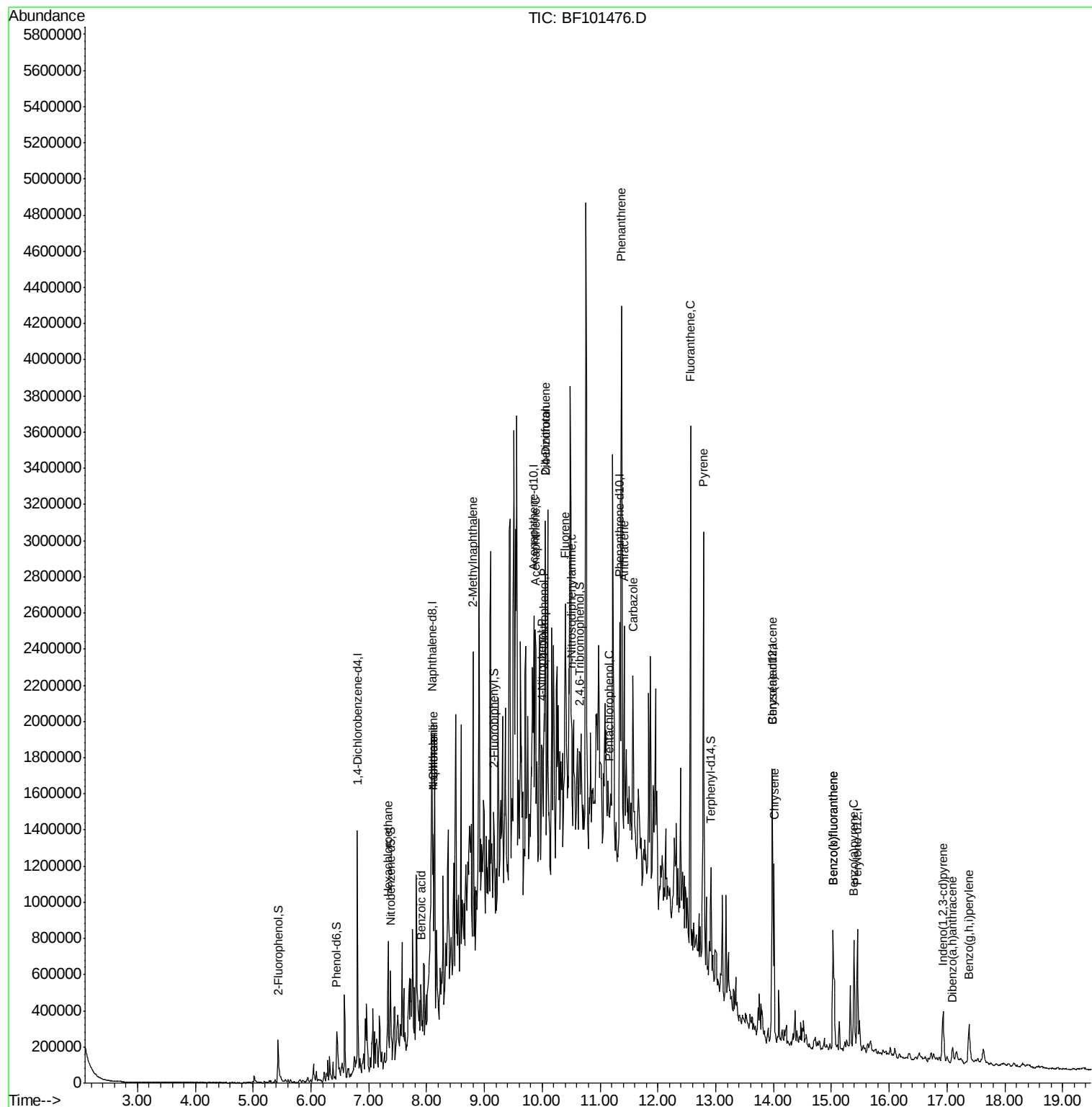
Target Compounds				Qvalue		
18) Hexachloroethane	7.33	117	30306	6.582	ng	# 1
31) Naphthalene	8.11	128	277673	8.604	ng	97
32) Benzoic acid	7.90	122	755	8.061	ng	# 1
33) 4-Chloroaniline	8.11	127	42682	3.043	ng	# 39
37) 2-Methylnaphthalene	8.80	142	475903	22.634	ng	99
51) Acenaphthene	9.88	154	195610	10.669	ng	93
53) 2,4-Dinitrophenol	10.03	184	1084	10.903	ng	# 1
54) Dibenzofuran	10.06	168	189297	8.124	ng	# 85
55) 4-Nitrophenol	9.99	139	5099	2.015	ng	# 24
56) 2,4-Dinitrotoluene	10.05	165	17375	3.313	ng	# 50
57) Fluorene	10.40	166	326812	16.580	ng	# 98
65) n-Nitrosodiphenylamine	10.50	169	145897	7.433	ng	# 47
69) Pentachlorophenol	11.16	266	357	6.690	ng	# 3
70) Phenanthrene	11.37	178	1499469	50.726	ng	100
71) Anthracene	11.42	178	551372	18.260	ng	98
72) Carbazole	11.57	167	136253	4.820	ng	# 91
74) Fluoranthene	12.56	202	1291601	41.627	ng	97
77) Pyrene	12.79	202	1139443	42.777	ng	99
80) Benzo(a)anthracene	13.97	228	483698	20.639	ng	99
82) Chrysene	14.01	228	372814	16.848	ng	97
85) Indeno(1,2,3-cd)pyrene	16.93	276	183204	9.297	ng	# 90
87) Benzo(b)fluoranthene	15.03	252	502326	25.066	ng	96
88) Benzo(k)fluoranthene	15.03	252	502326	25.780	ng	97
89) Benzo(a)pyrene	15.39	252	292832	15.851	ng	97
90) Dibenzo(a,h)anthracene	17.10	278	42377	2.672	ng	95
91) Benzo(g,h,i)perylene	17.38	276	167624	10.672	ng	94

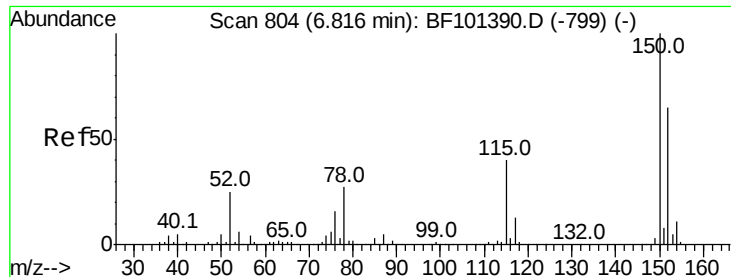
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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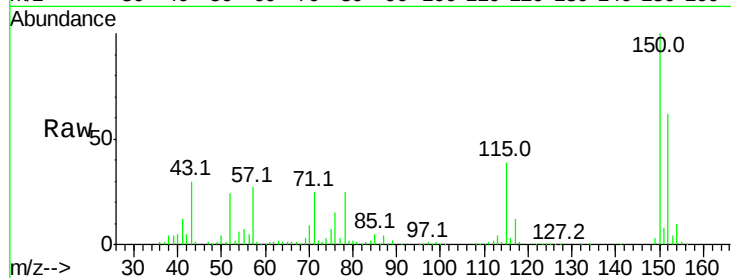


#1

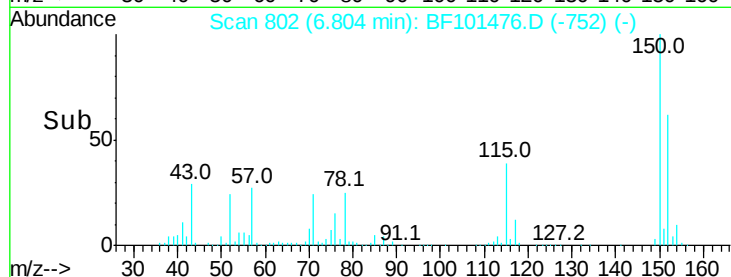
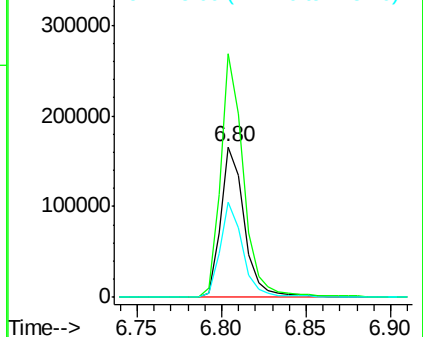
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF101476.D
Acq: 18 Dec 2017 13:15

Instrument :
BNA_F
ClientSampleId :
JC-01-121317DL

Tot Ion:152 Resp: 162719
Ion Ratio Lower Upper
152 100
150 161.9 124.6 186.8
115 63.1 50.1 75.1



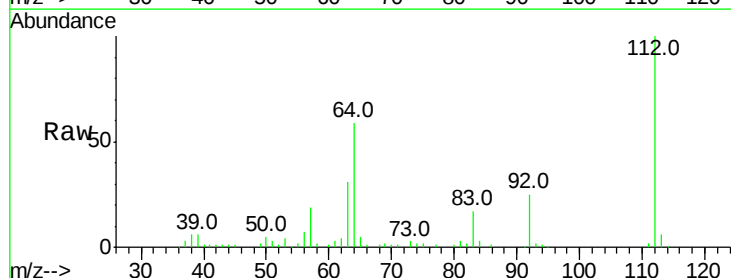
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



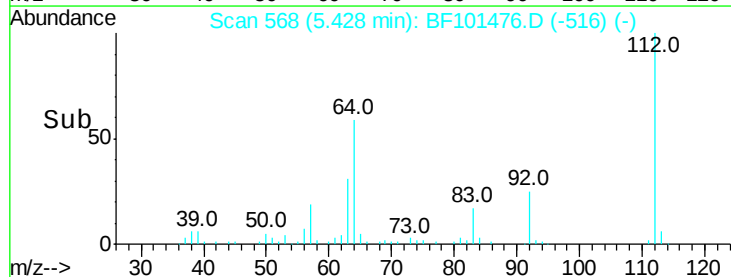
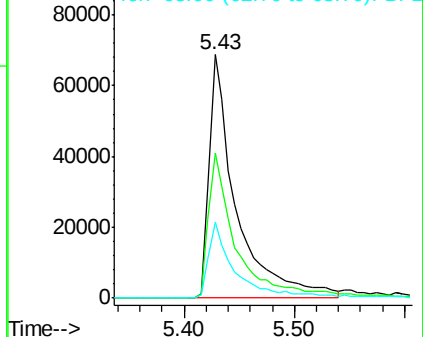
#5

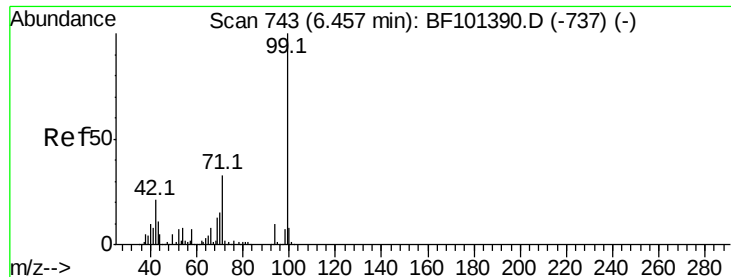
2-Fluorophenol
Concen: 10.522 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF101476.D
Acq: 18 Dec 2017 13:15

Tgt Ion:112 Resp: 114945
Ion Ratio Lower Upper
112 100
64 59.5 47.9 71.9
63 31.3 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 11.683 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF101476.D

Acq: 18 Dec 2017 13:15

Instrument :

BNA_F

ClientSampleId :

JC-01-121317DL

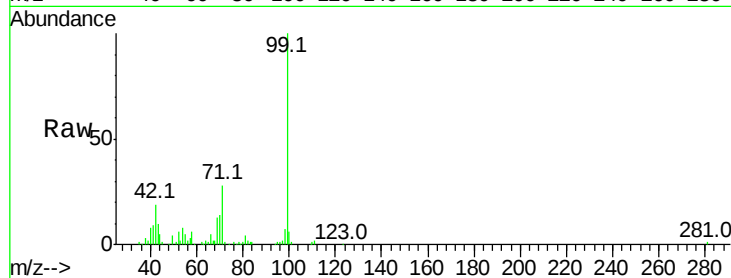
Tot Ion: 99 Resp: 158836

Ion Ratio Lower Upper

99 100

42 18.5 14.5 21.7

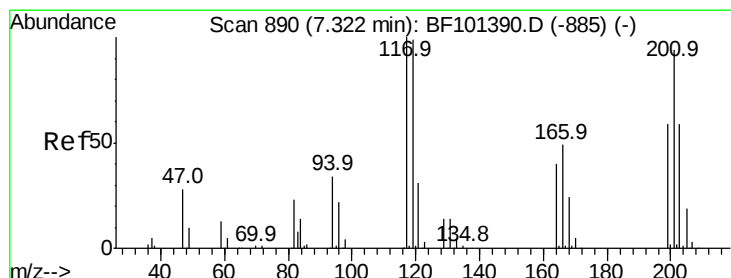
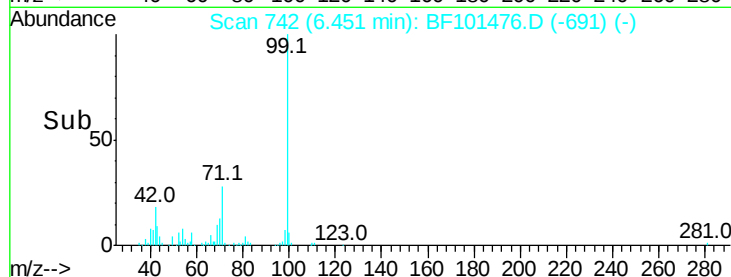
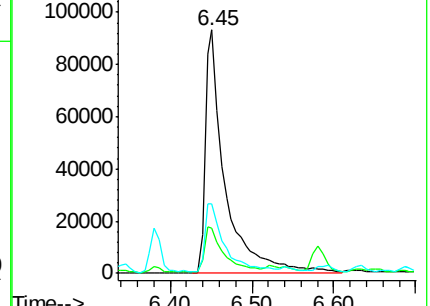
71 28.4 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#18

Hexachloroethane

Concen: 6.582 ng

RT: 7.33 min Scan# 892

Delta R.T. 0.02 min

Lab File: BF101476.D

Acq: 18 Dec 2017 13:15

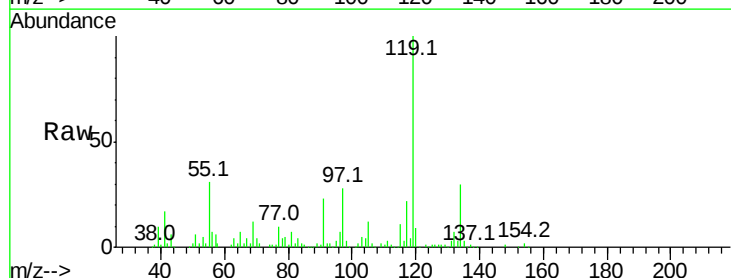
Tgt Ion: 117 Resp: 30306

Ion Ratio Lower Upper

117 100

119 448.3 75.8 113.8#

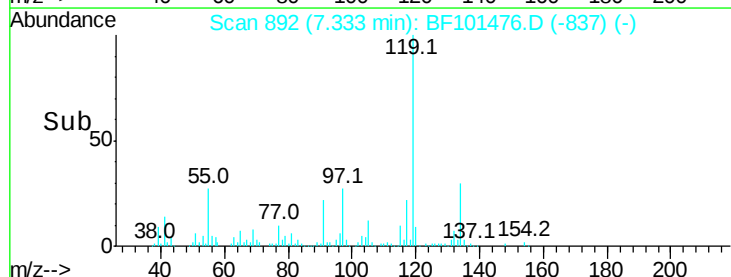
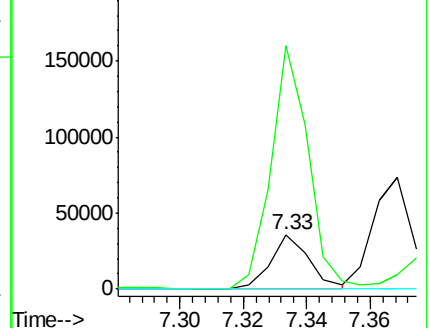
201 0.0 75.7 113.5#

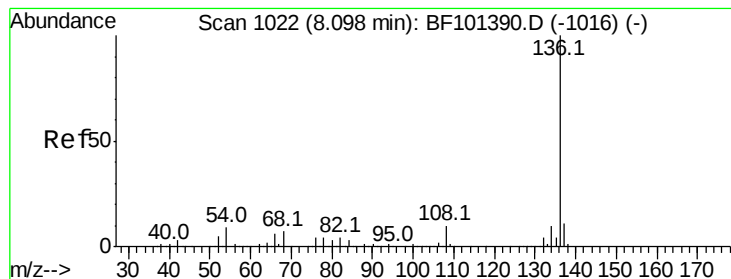


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BF101476.D

Acq: 18 Dec 2017 13:15

Instrument :

BNA_F

ClientSampleId :

JC-01-121317DL

Tot Ion:136 Resp: 641047

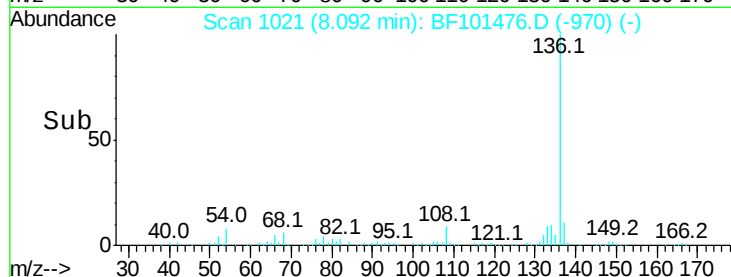
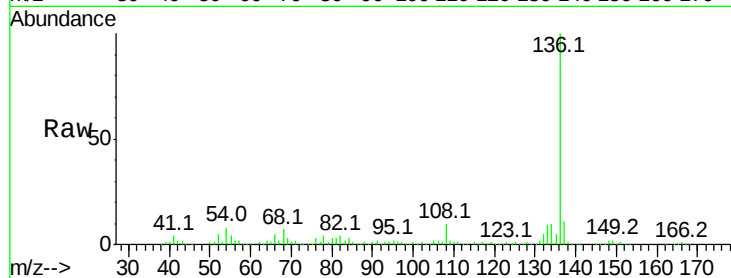
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 8.5 6.6 9.8

68 6.6 5.0 7.4

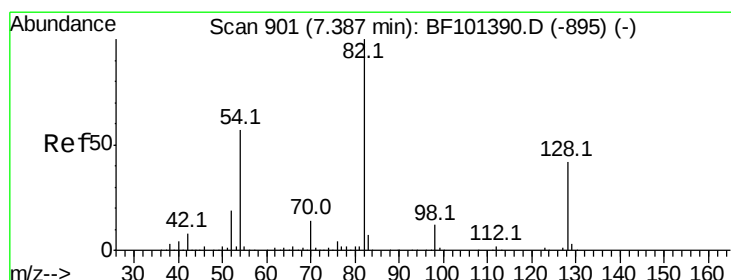
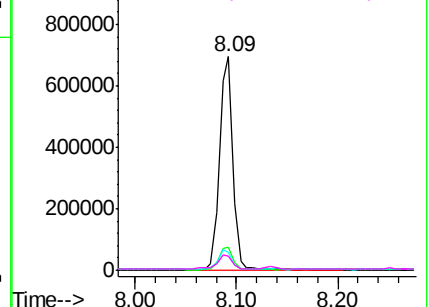


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 7.978 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF101476.D

Acq: 18 Dec 2017 13:15

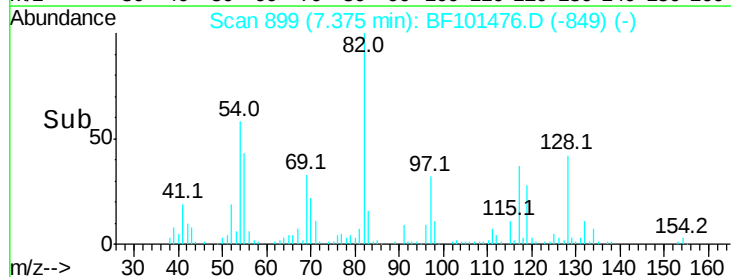
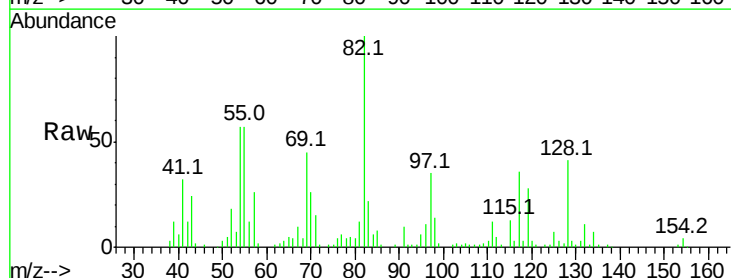
Tgt Ion: 82 Resp: 91873

Ion Ratio Lower Upper

82 100

128 40.8 36.1 54.1

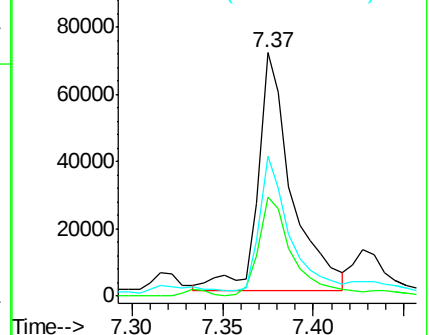
54 57.4 41.4 62.2

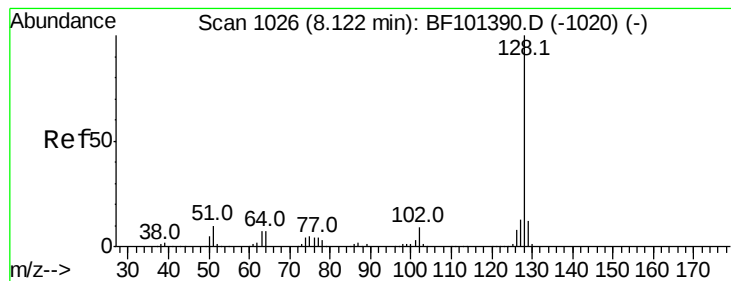


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#31

Naphthalene

Concen: 8.604 ng

RT: 8.11 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BF101476.D

Acq: 18 Dec 2017 13:15

Instrument :

BNA_F

ClientSampleId :

JC-01-121317DL

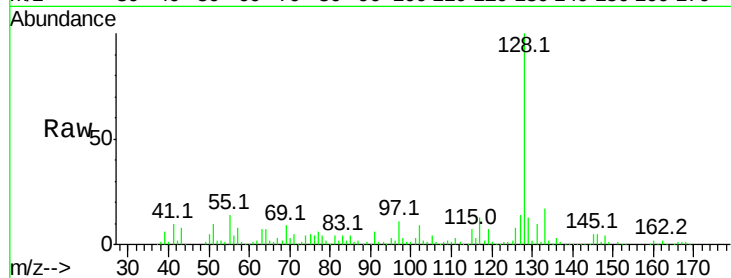
Tot Ion:128 Resp: 277673

Ion Ratio Lower Upper

128 100

129 13.1 8.8 13.2

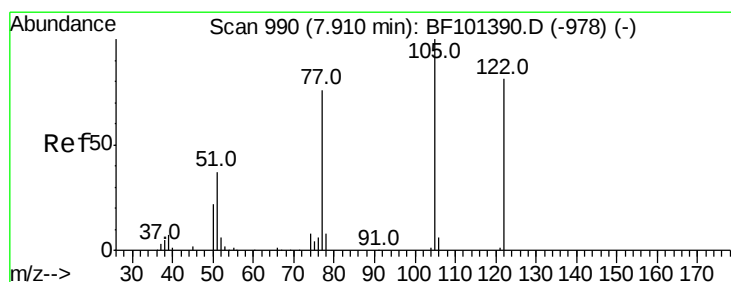
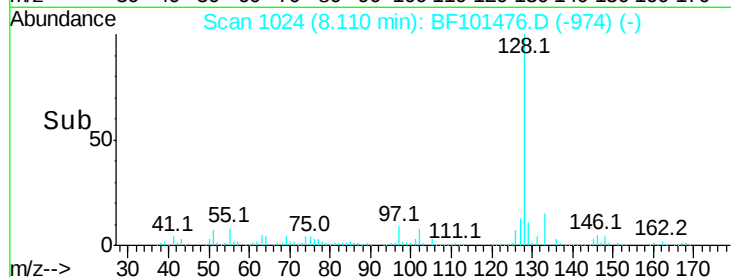
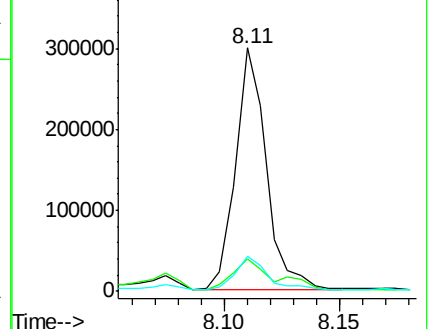
127 14.2 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 8.061 ng

RT: 7.90 min Scan# 988

Delta R.T. -0.01 min

Lab File: BF101476.D

Acq: 18 Dec 2017 13:15

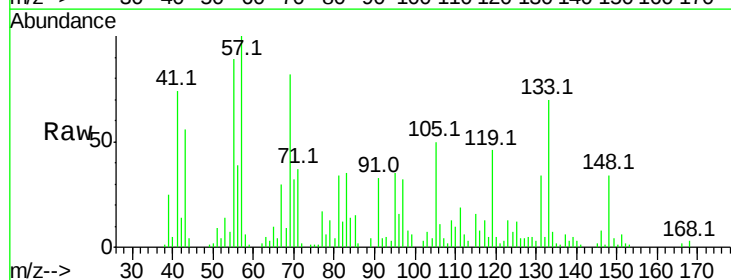
Tgt Ion:122 Resp: 755

Ion Ratio Lower Upper

122 100

105 1810.7 101.1 141.1#

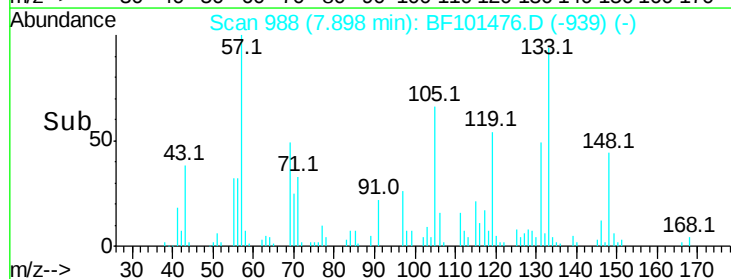
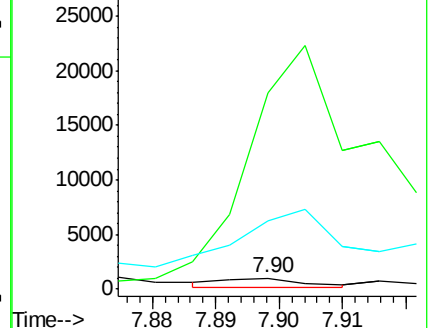
77 625.5 70.7 110.7#

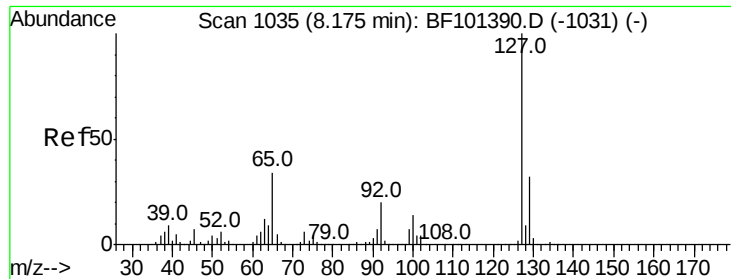


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

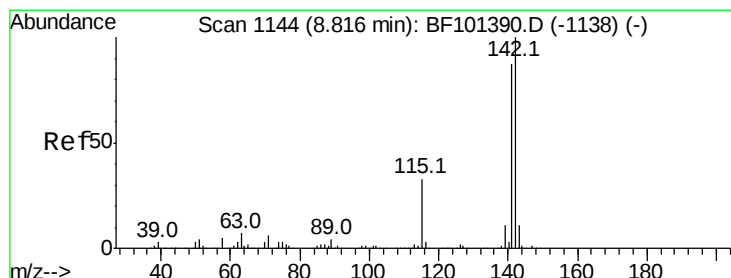
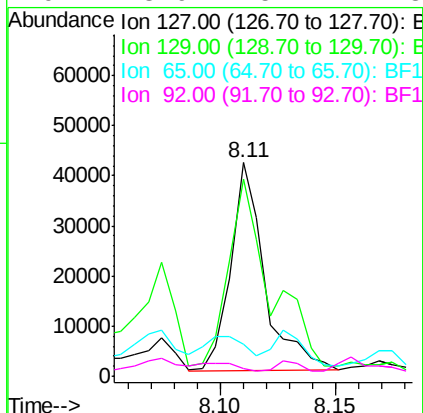
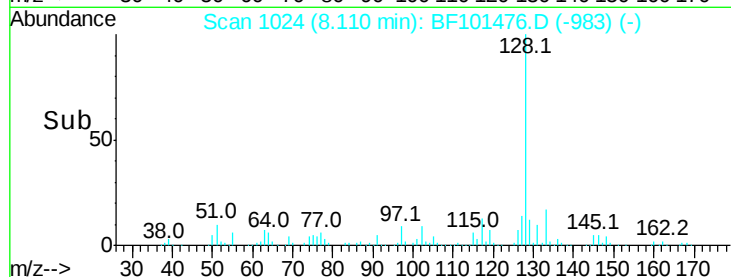
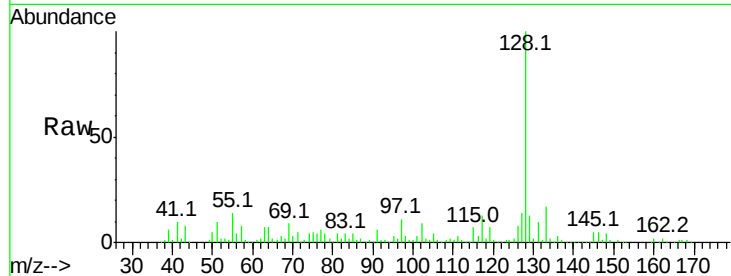




#33
4-Chloroaniline
Concen: 3.043 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.06 min
Lab File: BF101476.D
Acq: 18 Dec 2017 13:15

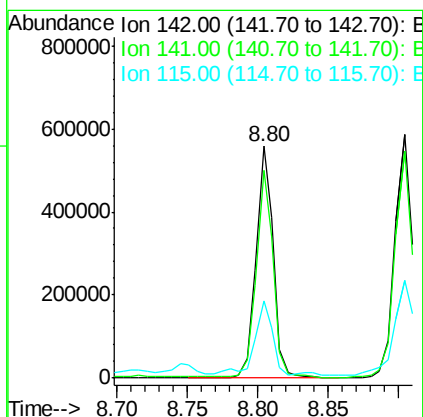
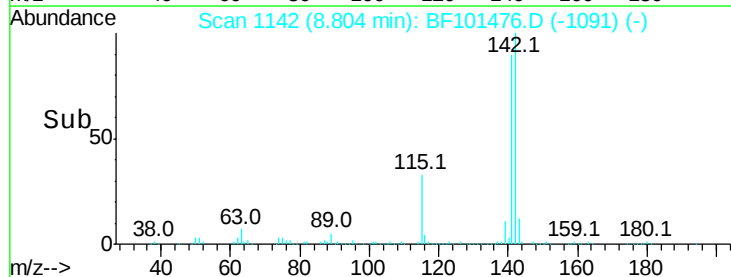
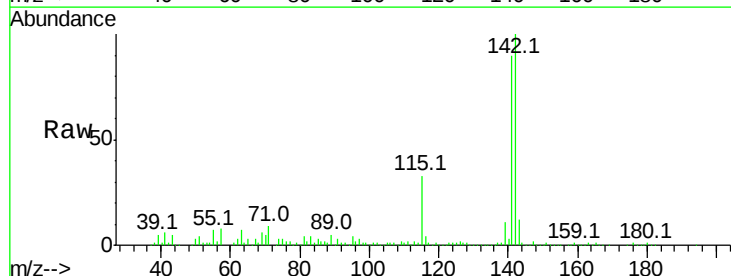
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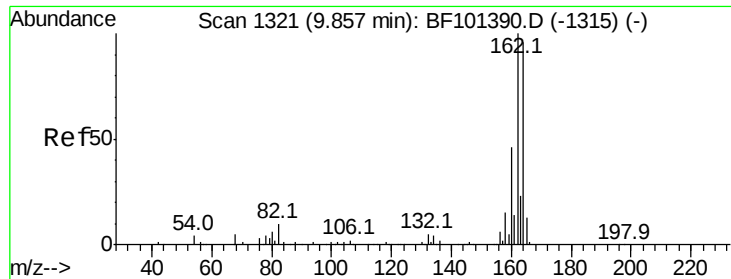
Tot Ion:127	Resp:	42682	
Ion Ratio	Lower	Upper	
127 100			
129 92.3	25.9	38.9#	
65 14.8	25.0	37.4#	
92 3.9	15.2	22.8#	



#37
2-Methylnaphthalene
Concen: 22.634 ng
RT: 8.80 min Scan# 1142
Delta R.T. -0.00 min
Lab File: BF101476.D
Acq: 18 Dec 2017 13:15

Tgt	Ion:142	Resp:	475903
Ion	Ratio	Lower	Upper
142	100		
141	89.9	70.8	106.2
115	33.4	26.1	39.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.01 min

Lab File: BF101476.D

Acq: 18 Dec 2017 13:15

Instrument :

BNA_F

ClientSampleId :

JC-01-121317DL

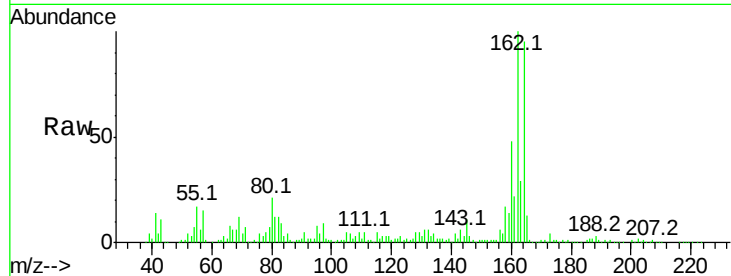
Tot Ion:164 Resp: 284728

Ion Ratio Lower Upper

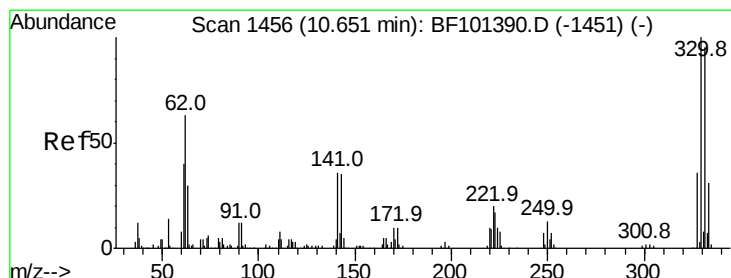
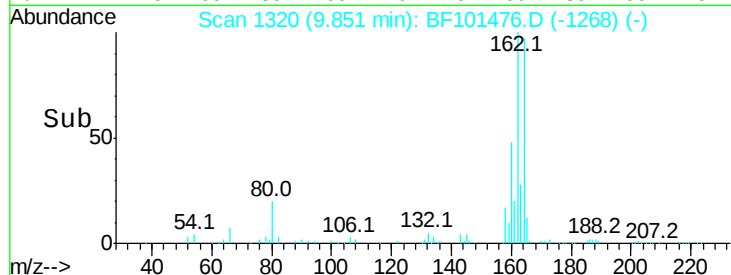
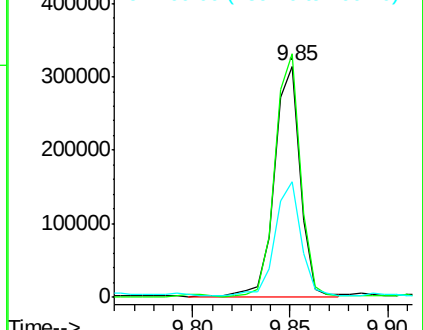
164 100

162 105.4 86.1 129.1

160 50.1 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 10.611 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.00 min

Lab File: BF101476.D

Acq: 18 Dec 2017 13:15

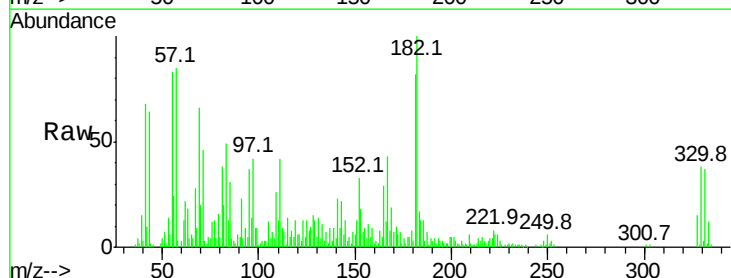
Tgt Ion:330 Resp: 29112

Ion Ratio Lower Upper

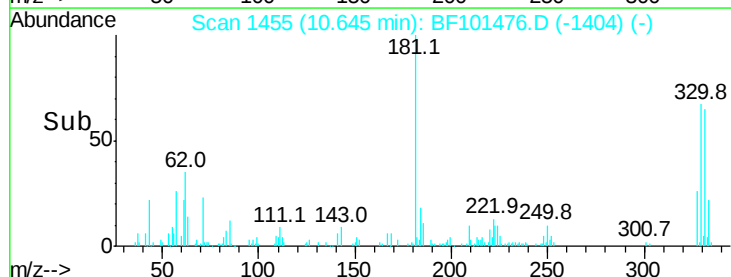
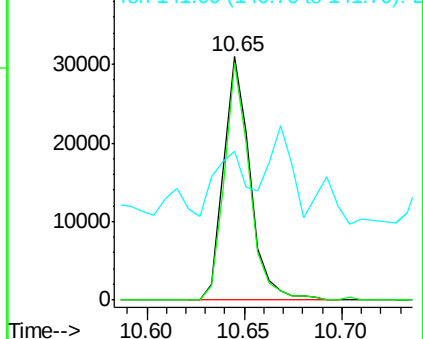
330 100

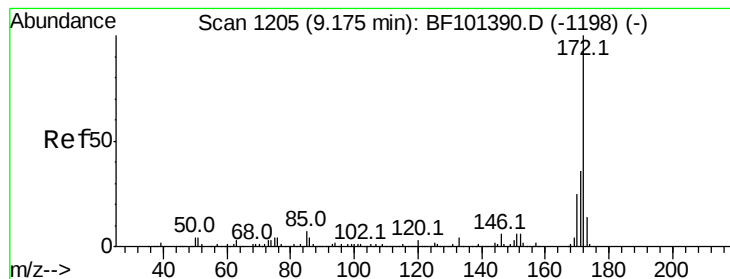
332 93.3 77.0 115.6

141 33.7 29.9 44.9



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 9.460 ng

RT: 9.16 min Scan# 1203

Delta R.T. -0.01 min

Lab File: BF101476.D

Acq: 18 Dec 2017 13:15

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JC-01-121317DL

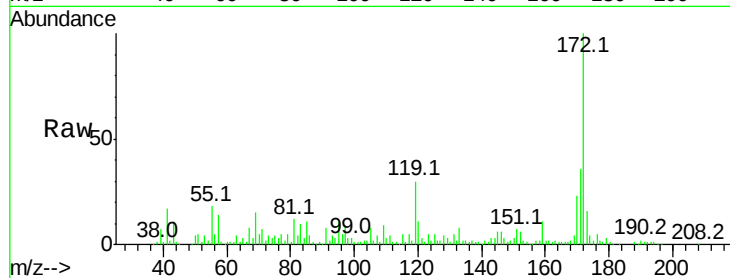
Tot Ion:172 Resp: 173632

Ion Ratio Lower Upper

172 100

171 36.4 29.7 44.5

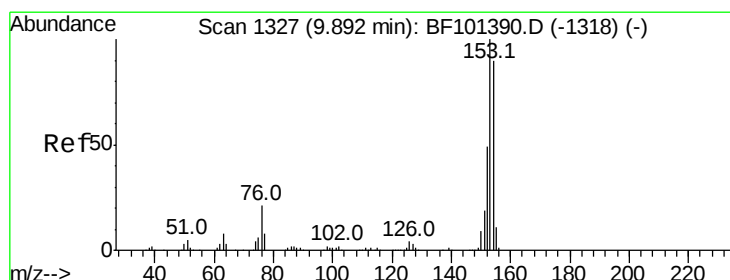
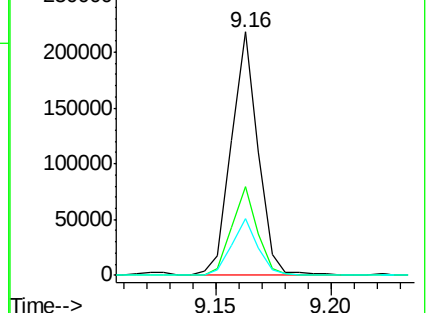
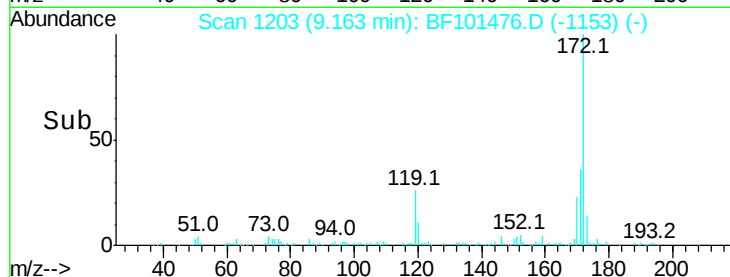
170 23.1 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#51

Acenaphthene

Concen: 10.669 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.00 min

Lab File: BF101476.D

Acq: 18 Dec 2017 13:15

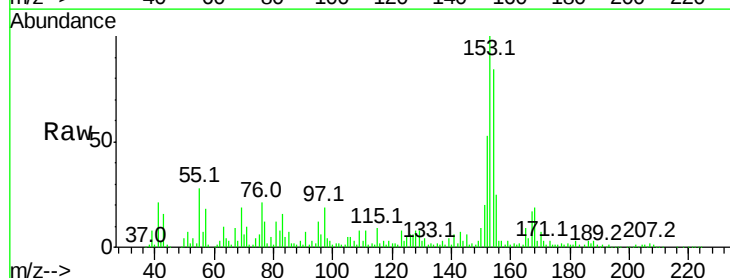
Tgt Ion:154 Resp: 195610

Ion Ratio Lower Upper

154 100

153 119.4 91.2 136.8

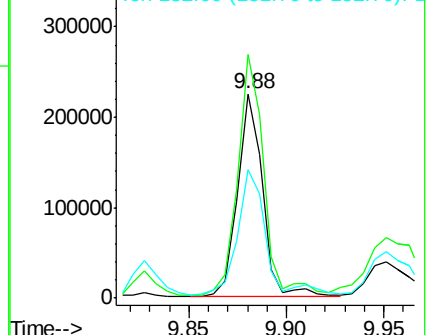
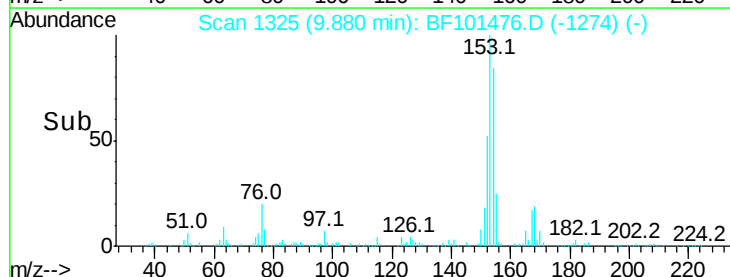
152 62.9 43.8 65.8

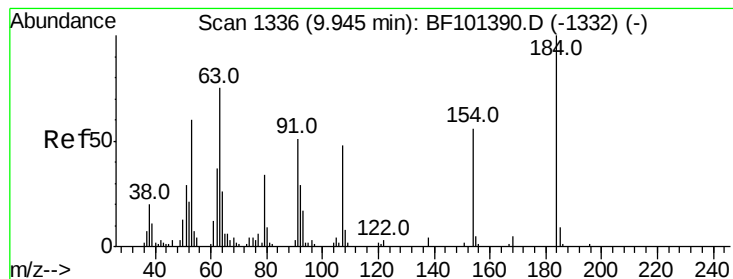


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#53

2,4-Dinitrophenol

Concen: 10.903 ng

RT: 10.03 min Scan# 1351

Delta R.T. 0.09 min

Lab File: BF101476.D

Acq: 18 Dec 2017 13:15

Instrument :

BNA_F

ClientSampleId :

JC-01-121317DL

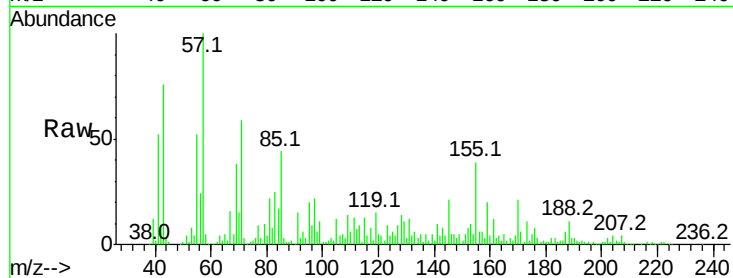
Tot Ion:184 Resp: 1084

Ion Ratio Lower Upper

184 100

63 507.1 54.2 81.2#

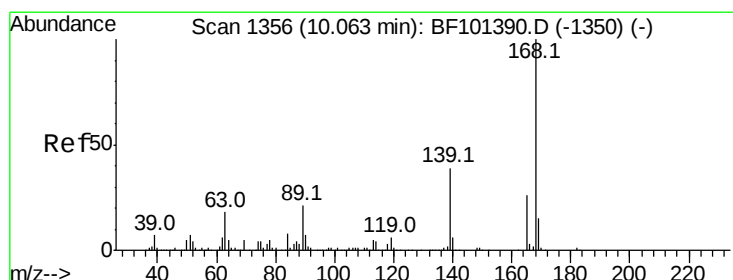
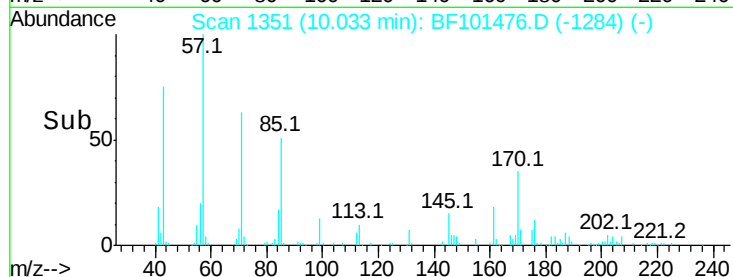
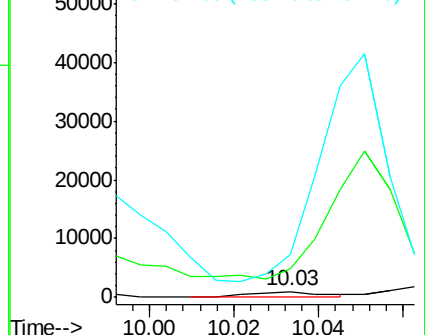
154 763.9 184.0 276.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 8.124 ng

RT: 10.06 min Scan# 1355

Delta R.T. 0.01 min

Lab File: BF101476.D

Acq: 18 Dec 2017 13:15

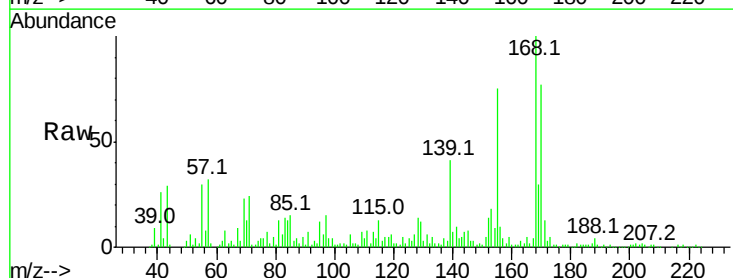
Tgt Ion:168 Resp: 189297

Ion Ratio Lower Upper

168 100

139 41.2 30.1 45.1

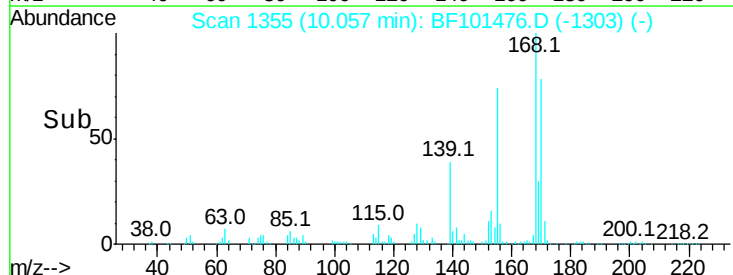
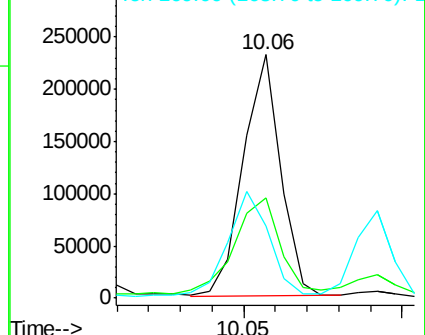
169 29.7 10.9 16.3#

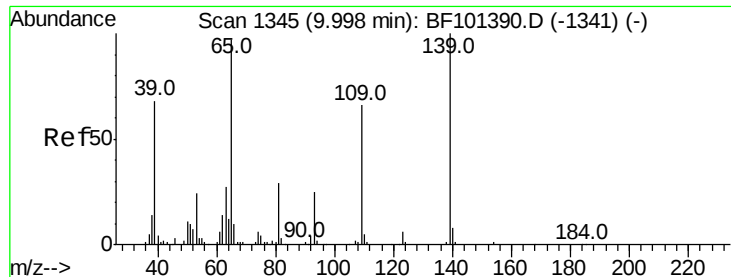


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

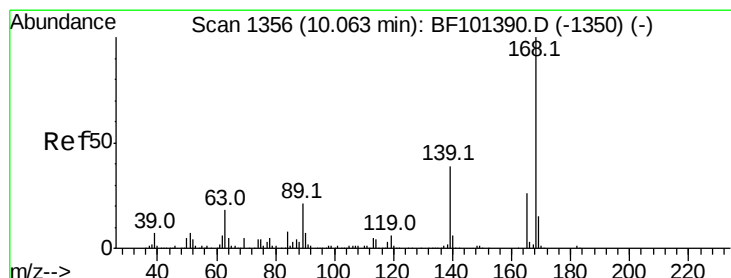
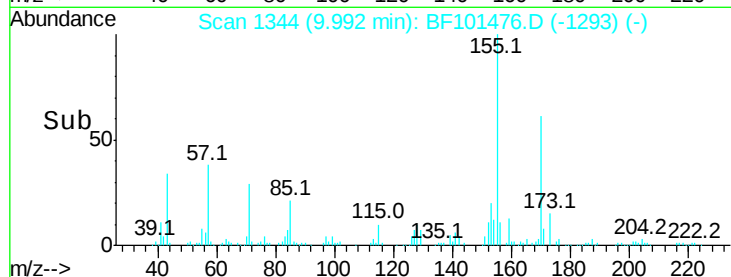
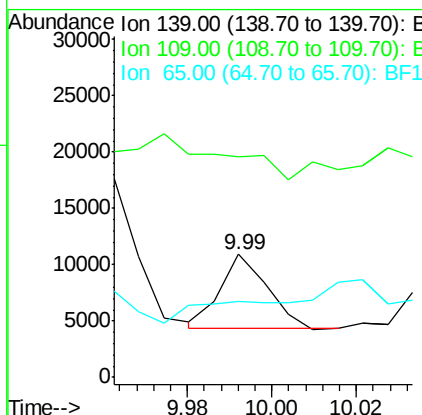
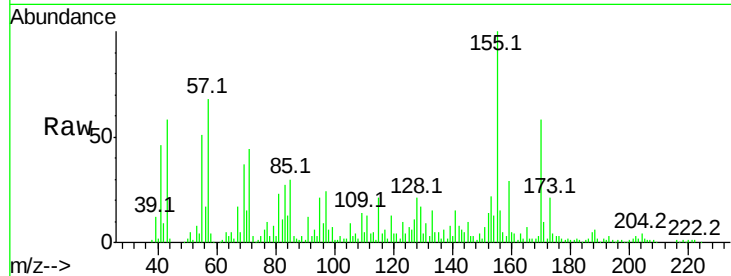




#55
4-Nitrophenol
Concen: 2.015 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.00 min
Lab File: BF101476.D
Acq: 18 Dec 2017 13:15

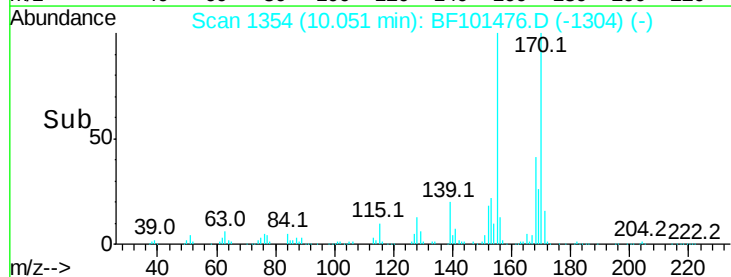
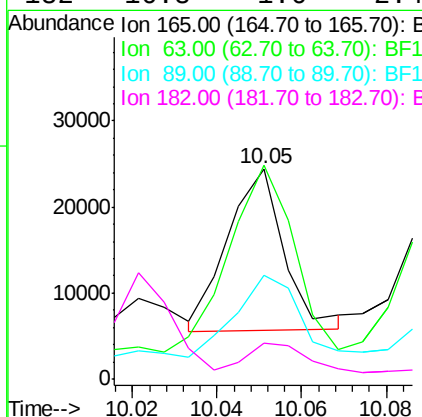
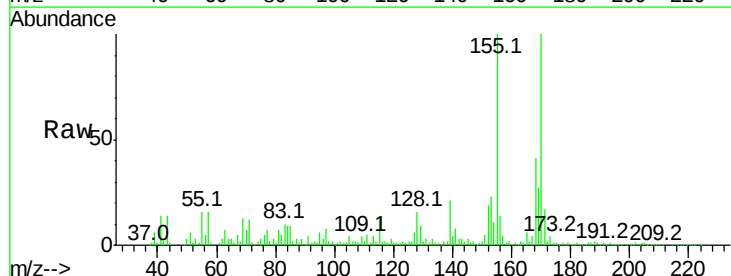
Instrument :
BNA_F
ClientSampleId :
JC-01-121317DL

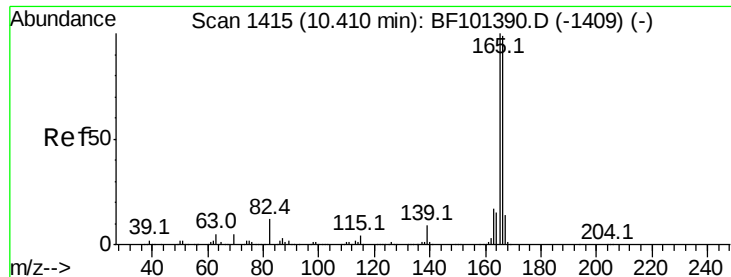
Tot Ion:139 Resp: 5099
Ion Ratio Lower Upper
139 100
109 178.8 48.4 88.4#
65 61.9 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 3.313 ng
RT: 10.05 min Scan# 1354
Delta R.T. -0.01 min
Lab File: BF101476.D
Acq: 18 Dec 2017 13:15

Tgt Ion:165 Resp: 17375
Ion Ratio Lower Upper
165 100
63 101.6 36.4 54.6#
89 49.5 57.8 86.6#
182 16.8 1.6 2.4#

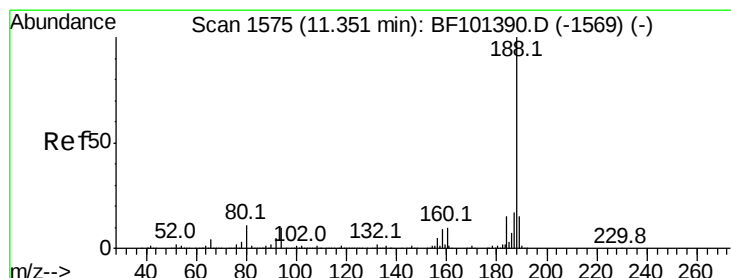
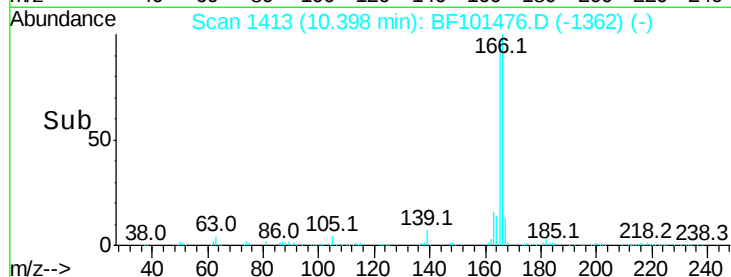
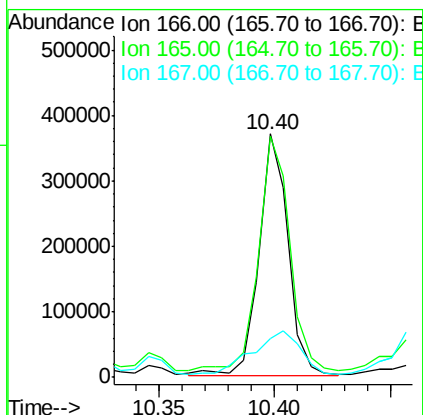
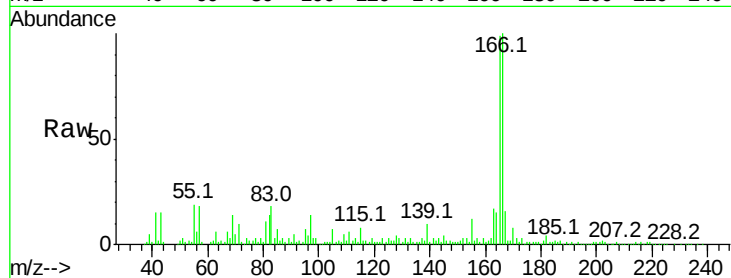




#57
Fluorene
 Concen: 16.580 ng
 RT: 10.40 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: BF101476.D
 Acq: 18 Dec 2017 13:15

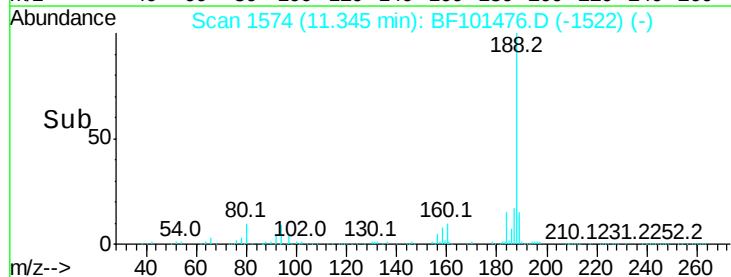
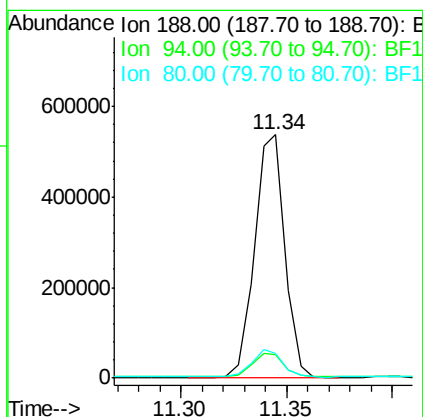
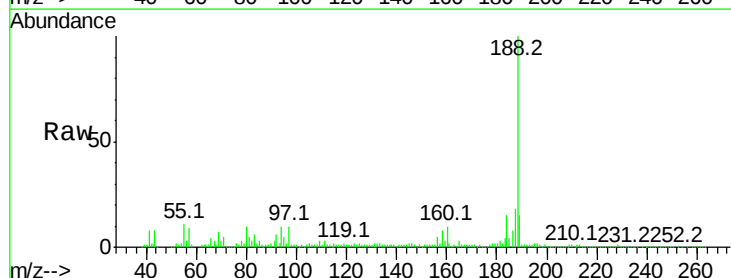
Instrument :
 BNA_F
 ClientSampleId :
 JC-01-121317DL

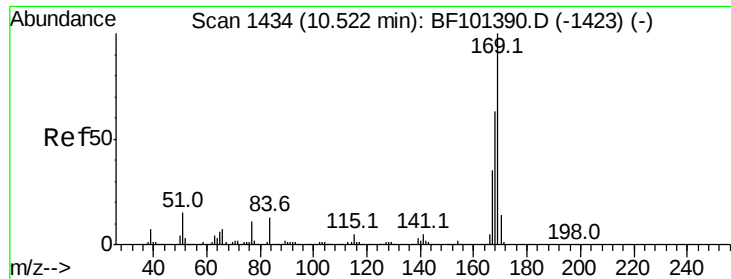
Tot Ion	Ratio	Lower	Upper
166	100		
165	98.8	79.8	119.8
167	16.1	10.6	16.0#



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1574
 Delta R.T. 0.01 min
 Lab File: BF101476.D
 Acq: 18 Dec 2017 13:15

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.5	12.7
80	10.3	9.2	13.8

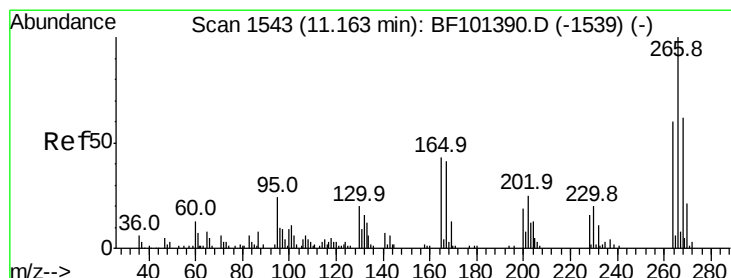
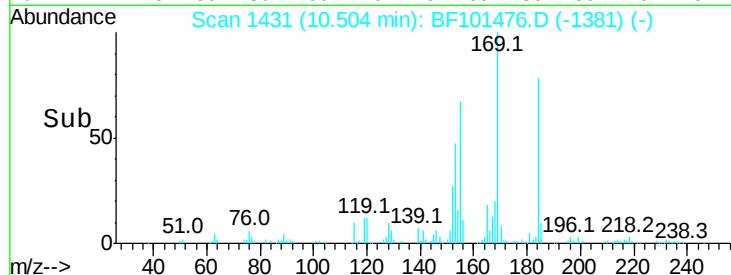
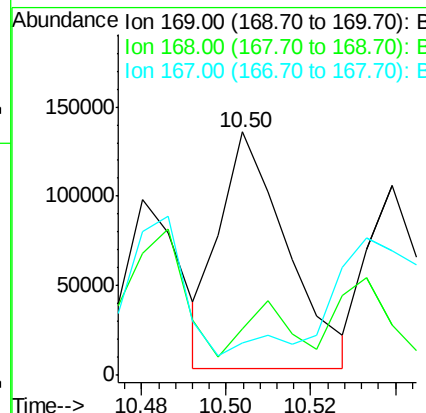
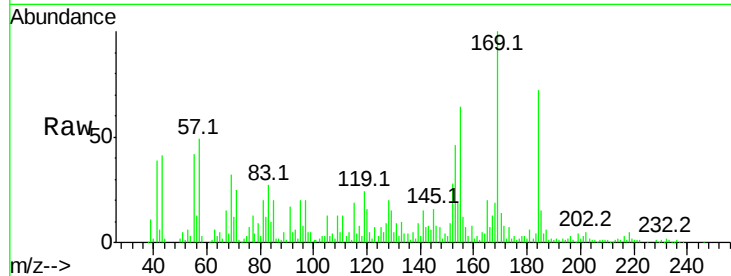




#65
n-Nitrosodiphenylamine
Concen: 7.433 ng
RT: 10.50 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BF101476.D
Acq: 18 Dec 2017 13:15

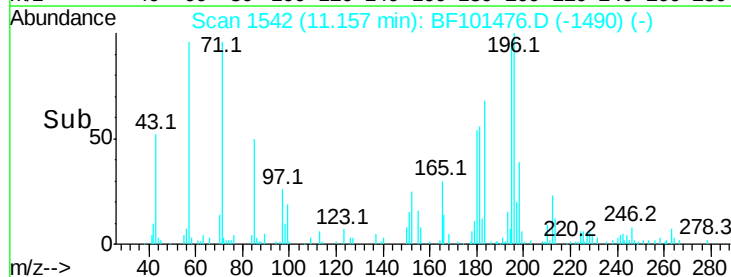
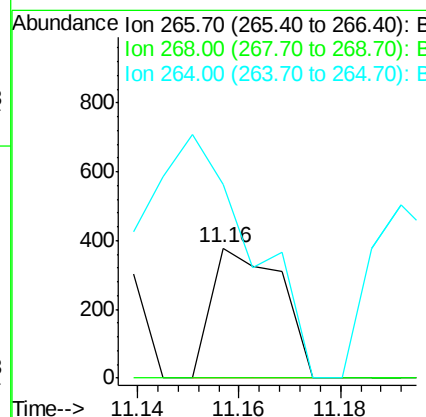
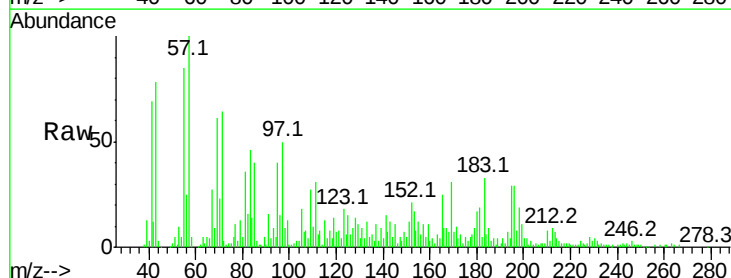
Instrument :
BNA_F
ClientSampleId :
JC-01-121317DL

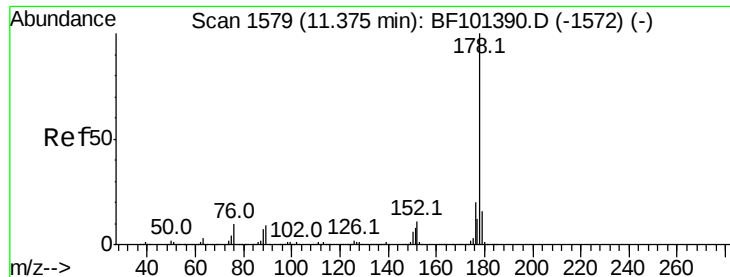
Tot Ion:169 Resp: 145897
Ion Ratio Lower Upper
169 100
168 19.3 54.4 81.6#
167 13.1 29.8 44.6#



#69
Pentachlorophenol
Concen: 6.690 ng
RT: 11.16 min Scan# 1542
Delta R.T. 0.01 min
Lab File: BF101476.D
Acq: 18 Dec 2017 13:15

Tgt Ion:266 Resp: 357
Ion Ratio Lower Upper
266 100
268 0.0 51.1 76.7#
264 148.5 49.5 74.3#





#70

Phenanthrene

Concen: 50.726 ng

RT: 11.37 min Scan# 1578

Delta R.T. 0.01 min

Lab File: BF101476.D

Acq: 18 Dec 2017 13:15

Instrument :

BNA_F

ClientSampleId :

JC-01-121317DL

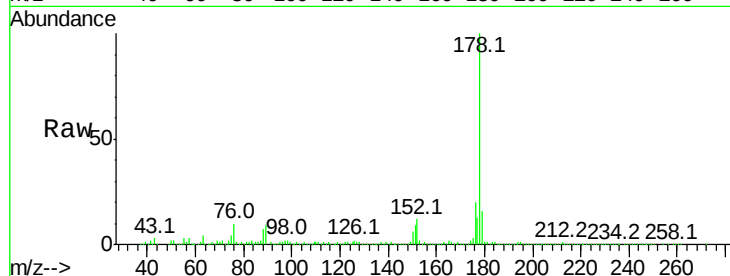
Tot Ion:178 Resp: 1499469

Ion Ratio Lower Upper

178 100

176 20.0 15.8 23.8

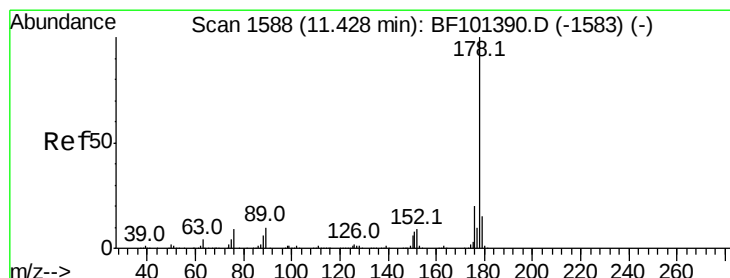
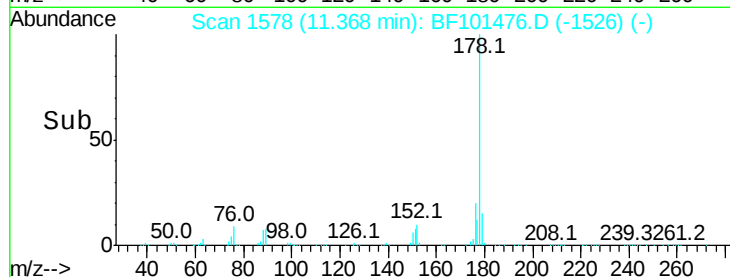
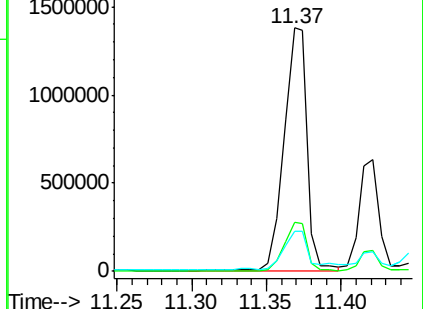
179 16.4 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 18.260 ng

RT: 11.42 min Scan# 1587

Delta R.T. 0.01 min

Lab File: BF101476.D

Acq: 18 Dec 2017 13:15

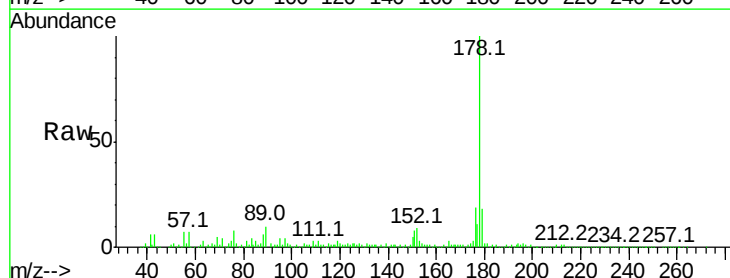
Tgt Ion:178 Resp: 551372

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

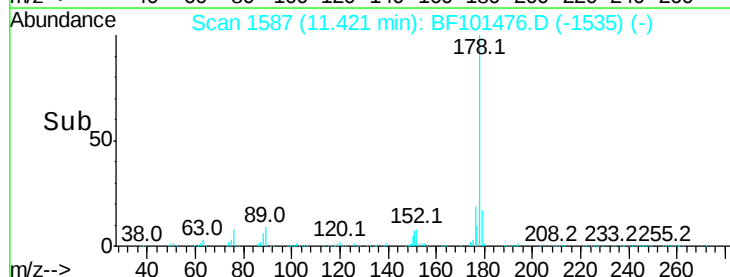
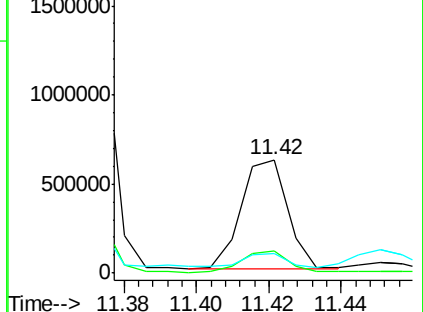
179 17.8 12.6 19.0

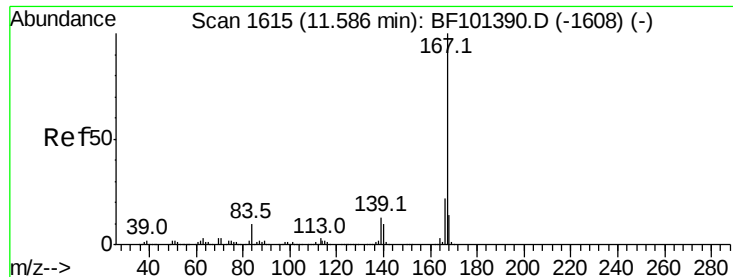


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 4.820 ng

RT: 11.57 min Scan# 1613

Delta R.T. -0.00 min

Lab File: BF101476.D

Acq: 18 Dec 2017 13:15

Instrument :

BNA_F

ClientSampleId :

JC-01-121317DL

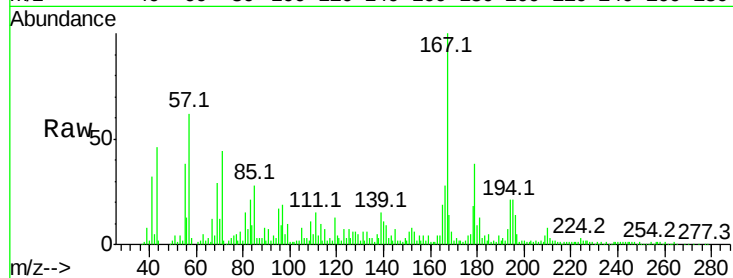
Tot Ion:167 Resp: 136253

Ion Ratio Lower Upper

167 100

166 27.6 17.6 26.4#

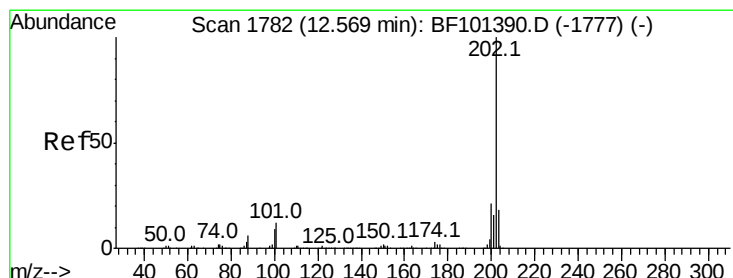
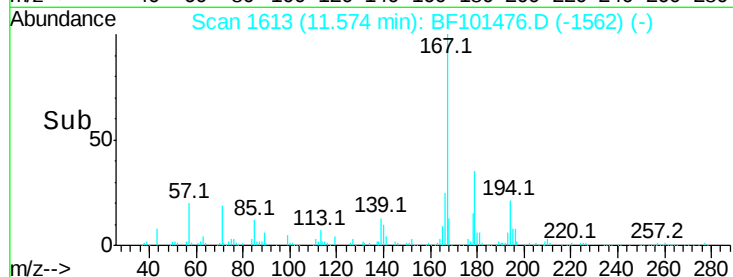
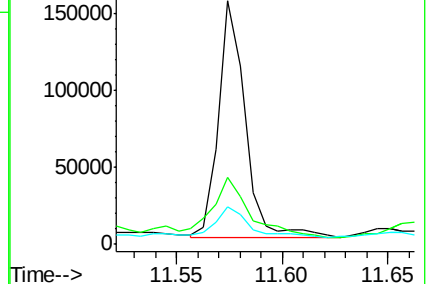
139 15.4 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 41.627 ng

RT: 12.56 min Scan# 1781

Delta R.T. 0.01 min

Lab File: BF101476.D

Acq: 18 Dec 2017 13:15

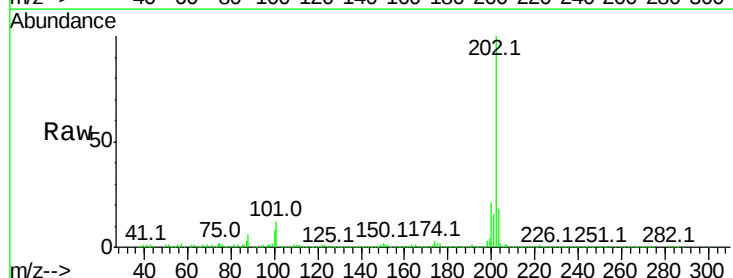
Tgt Ion:202 Resp: 1291601

Ion Ratio Lower Upper

202 100

101 12.0 0.0 34.1

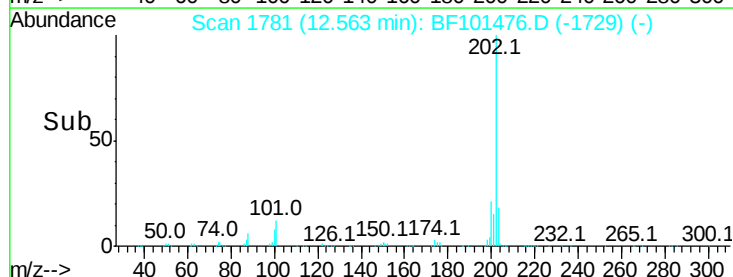
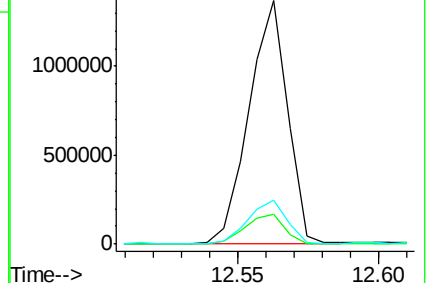
203 17.8 0.0 38.1

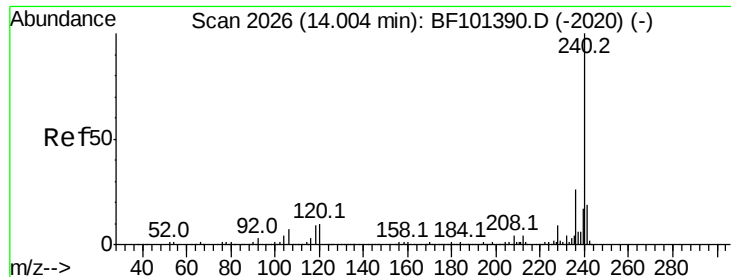


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BF101476.D

Acq: 18 Dec 2017 13:15

Instrument :

BNA_F

ClientSampleId :

JC-01-121317DL

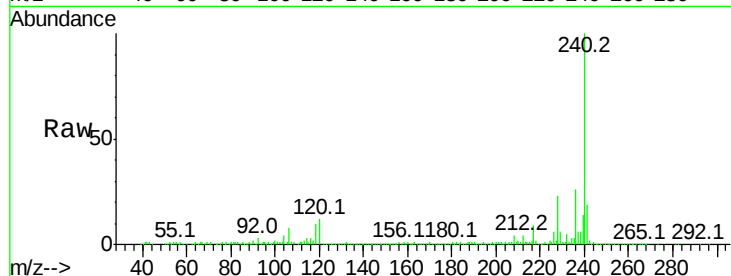
Tot Ion:240 Resp: 354920

Ion Ratio Lower Upper

240 100

120 12.3 9.5 14.3

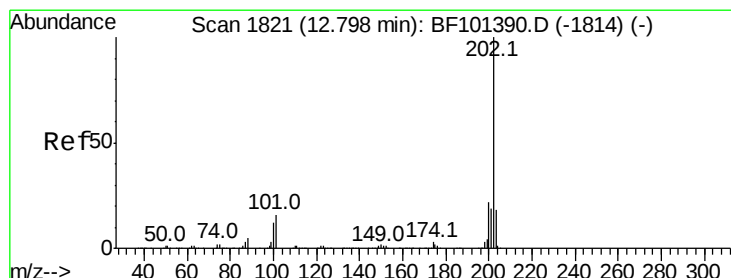
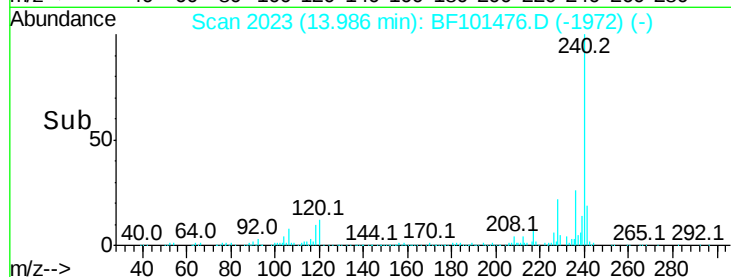
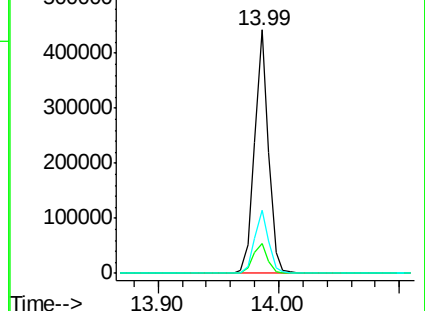
236 26.2 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 42.777 ng

RT: 12.79 min Scan# 1820

Delta R.T. 0.01 min

Lab File: BF101476.D

Acq: 18 Dec 2017 13:15

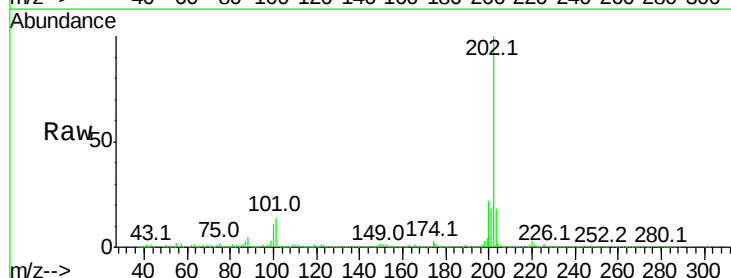
Tgt Ion:202 Resp: 1139443

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

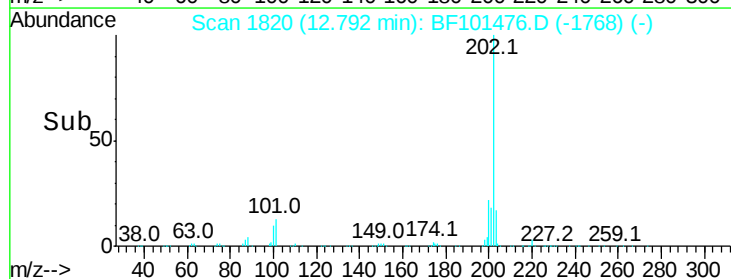
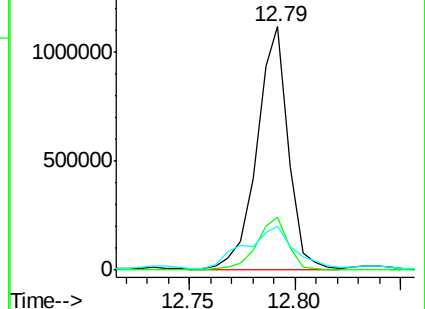
203 18.2 14.3 21.5

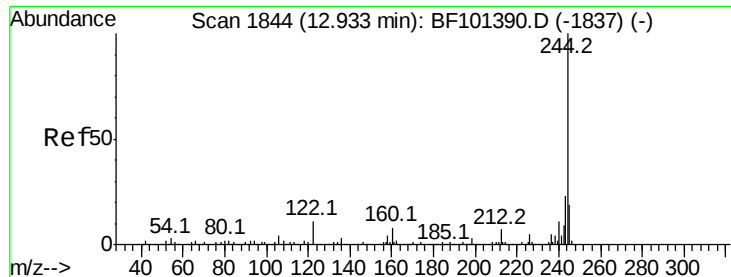


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 11.811 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF101476.D

Acq: 18 Dec 2017 13:15

Instrument :

BNA_F

ClientSampleId :

JC-01-121317DL

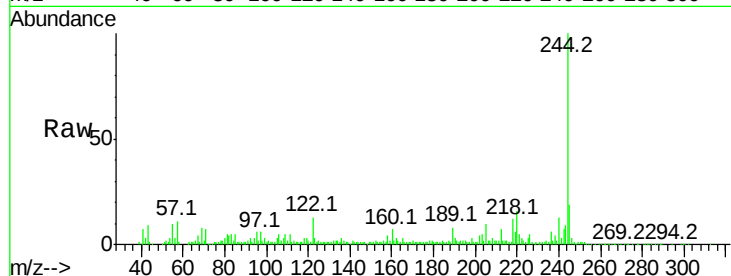
Tot Ion:244 Resp: 173879

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

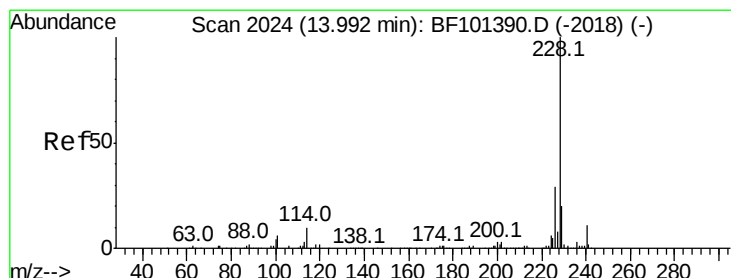
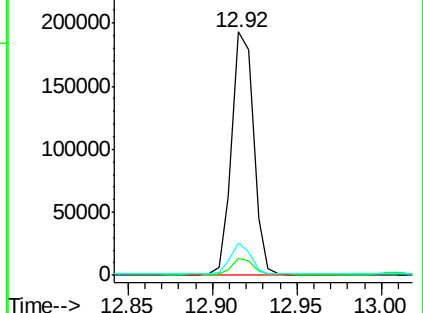
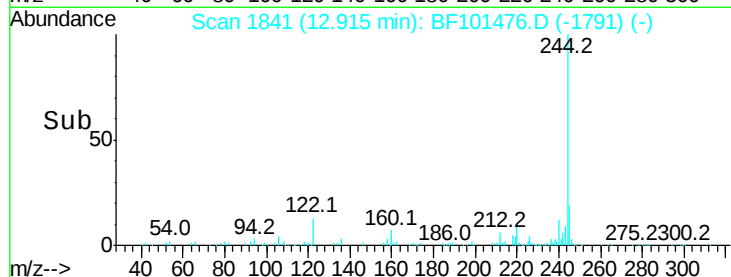
122 13.3 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 20.639 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF101476.D

Acq: 18 Dec 2017 13:15

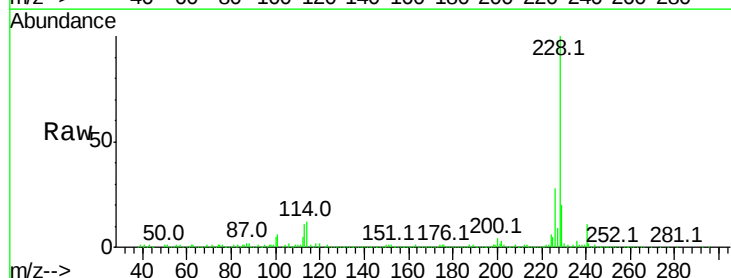
Tgt Ion:228 Resp: 483698

Ion Ratio Lower Upper

228 100

226 28.0 22.6 33.8

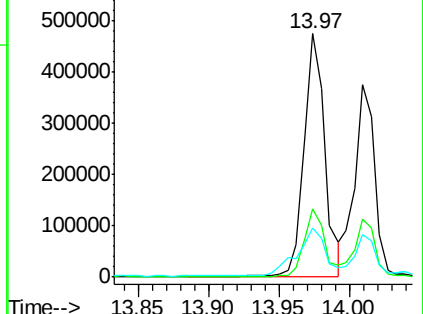
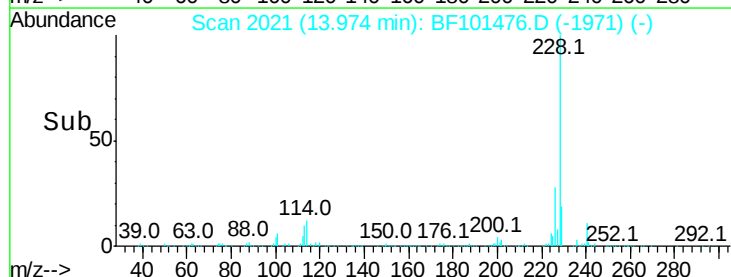
229 20.3 15.8 23.6

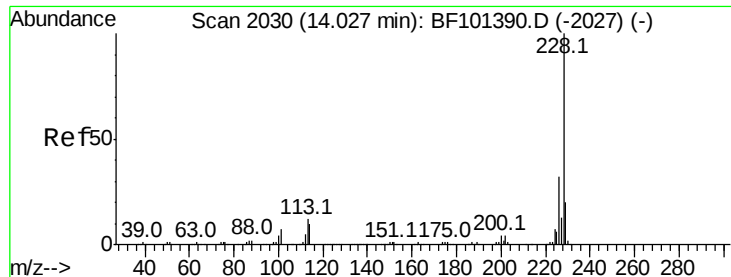


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 16.848 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF101476.D

Acq: 18 Dec 2017 13:15

Instrument :

BNA_F

ClientSampleId :

JC-01-121317DL

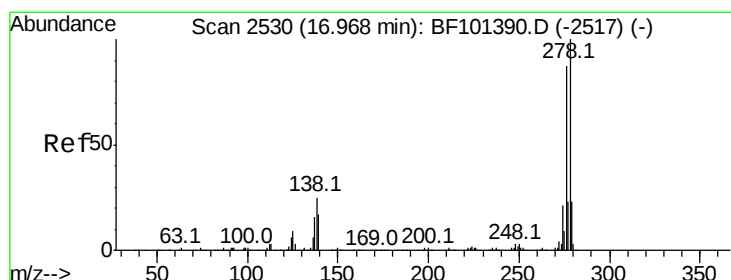
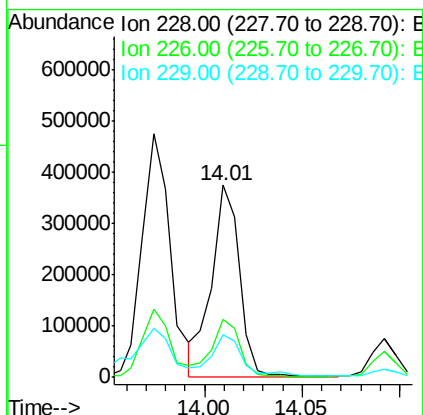
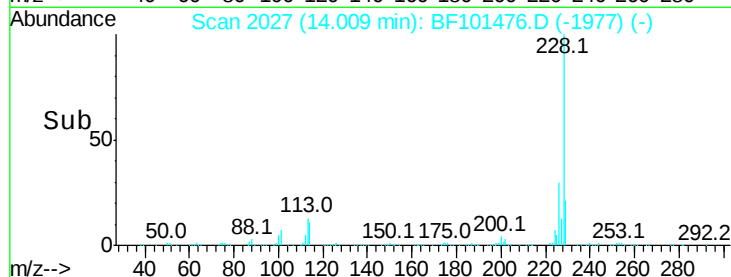
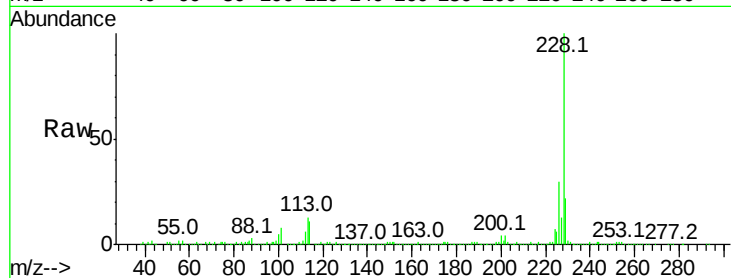
Tot Ion:228 Resp: 372814

Ion Ratio Lower Upper

228 100

226 30.3 25.0 37.6

229 22.3 16.2 24.4



#85

Indeno(1,2,3-cd)pyrene

Concen: 9.297 ng

RT: 16.93 min Scan# 2524

Delta R.T. -0.01 min

Lab File: BF101476.D

Acq: 18 Dec 2017 13:15

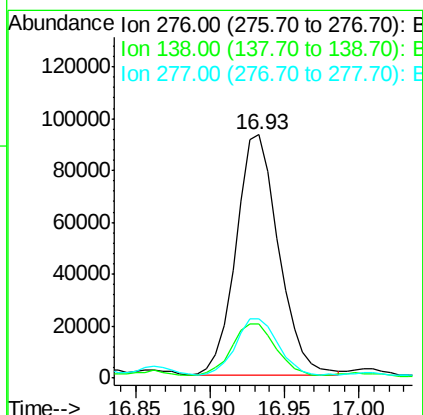
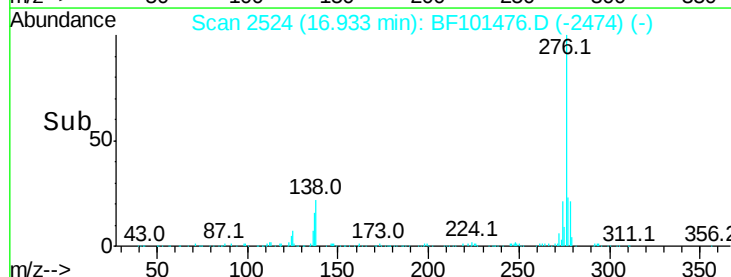
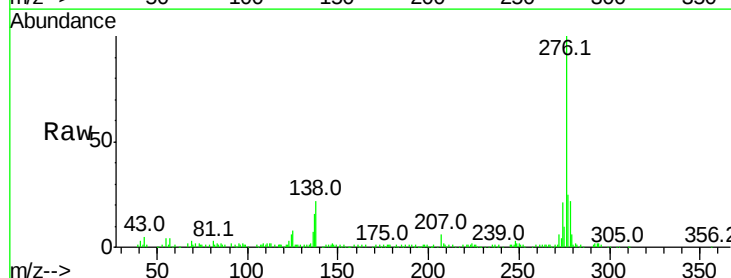
Tgt Ion:276 Resp: 183204

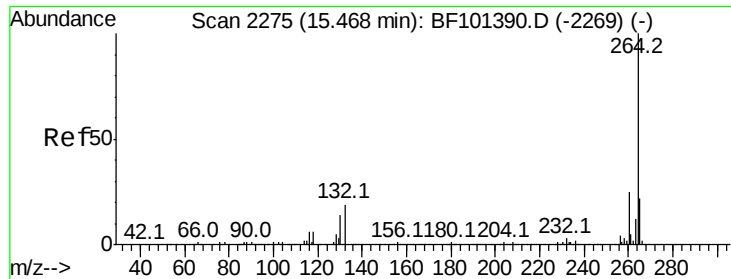
Ion Ratio Lower Upper

276 100

138 22.6 25.0 37.6#

277 24.2 20.1 30.1

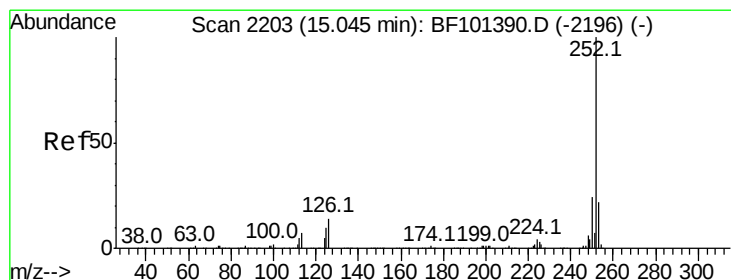
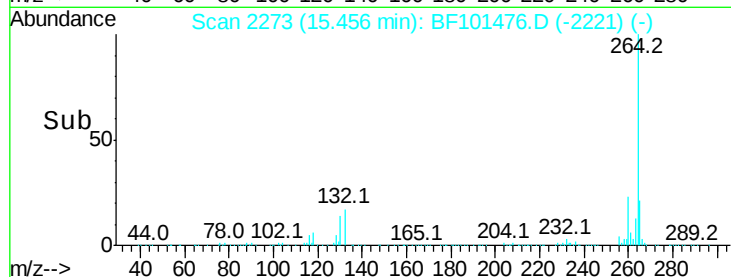
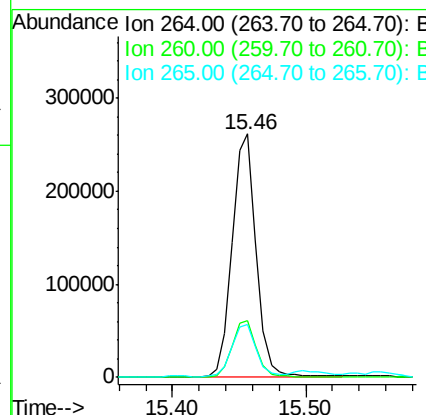
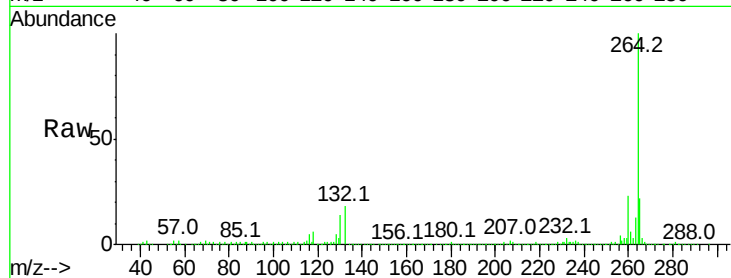




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF101476.D
Acq: 18 Dec 2017 13:15

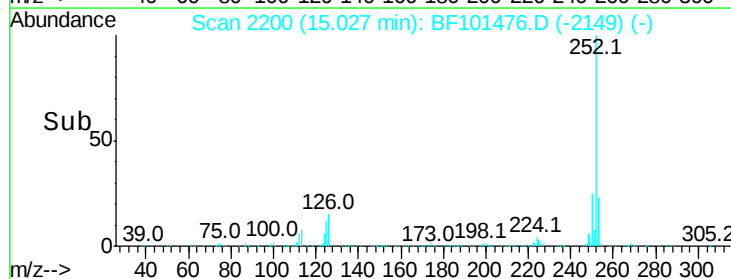
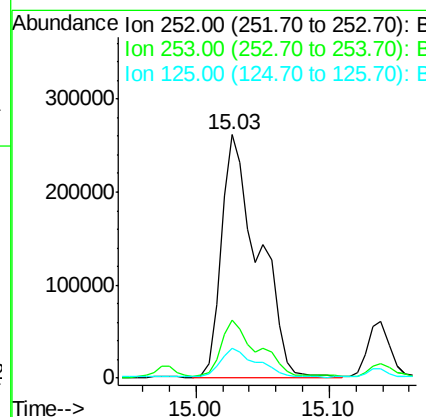
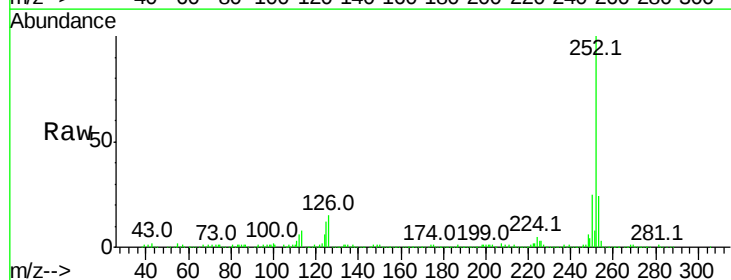
Instrument :
BNA_F
ClientSampleId :
JC-01-121317DL

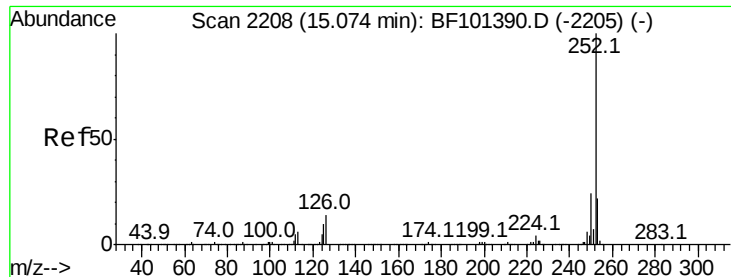
Tot Ion:264 Resp: 328789
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 21.6 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 25.066 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.00 min
Lab File: BF101476.D
Acq: 18 Dec 2017 13:15

Tgt Ion:252 Resp: 502326
Ion Ratio Lower Upper
252 100
253 23.9 17.0 25.6
125 12.1 9.0 13.6





#88

Benzo(k)fluoranthene

Concen: 25.780 ng

RT: 15.03 min Scan# 2200

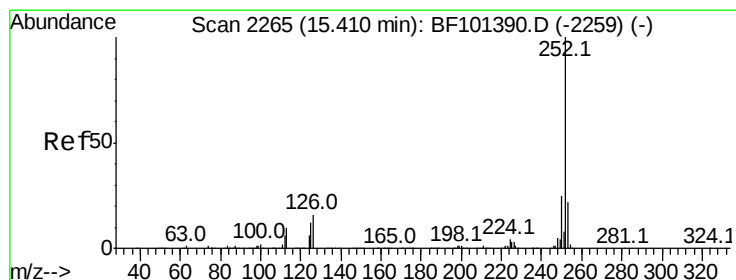
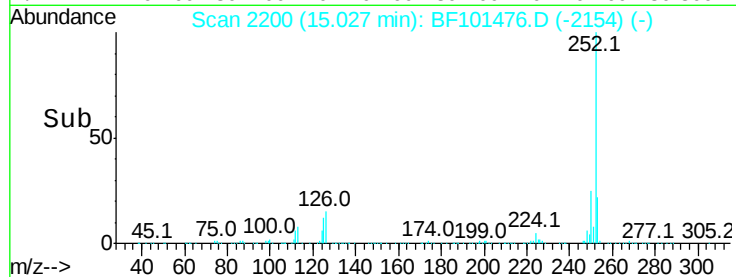
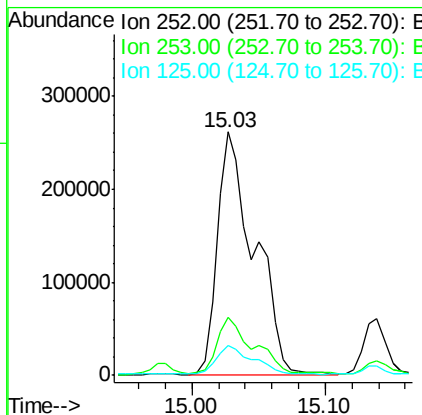
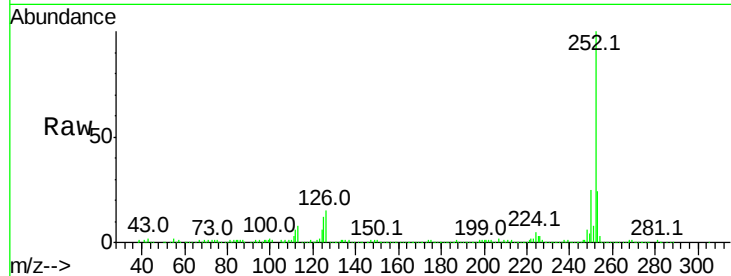
Delta R.T. -0.03 min

Lab File: BF101476.D

Acq: 18 Dec 2017 13:15

Instrument :
BNA_F
ClientSampleId :
JC-01-121317DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	12.1	10.2	15.2



#89

Benzo(a)pyrene

Concen: 15.851 ng

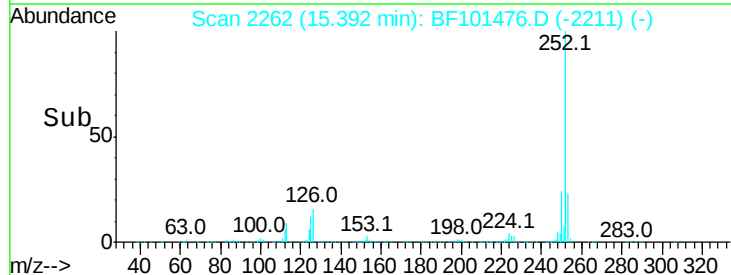
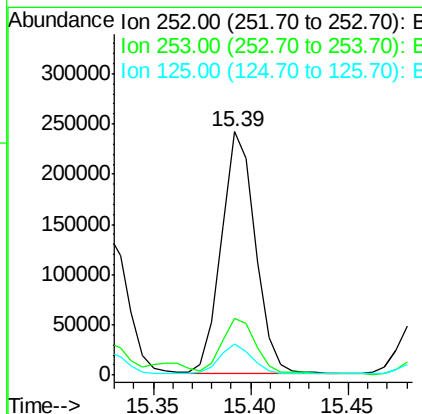
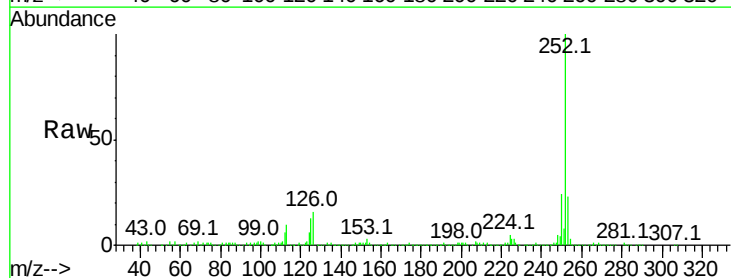
RT: 15.39 min Scan# 2262

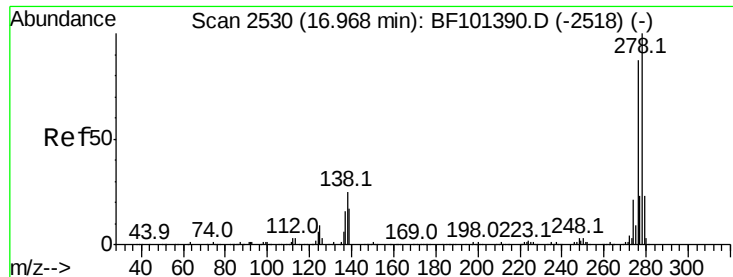
Delta R.T. -0.00 min

Lab File: BF101476.D

Acq: 18 Dec 2017 13:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	12.6	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 2.672 ng

RT: 17.10 min Scan# 2553

Delta R.T. 0.16 min

Lab File: BF101476.D

Acq: 18 Dec 2017 13:15

Instrument :

BNA_F

ClientSampleId :

JC-01-121317DL

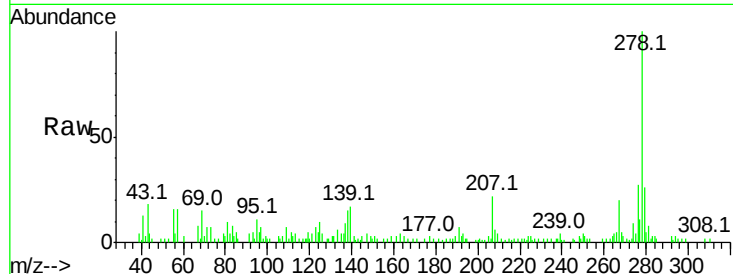
Tot Ion:278 Resp: 42377

Ion Ratio Lower Upper

278 100

139 17.5 15.9 23.9

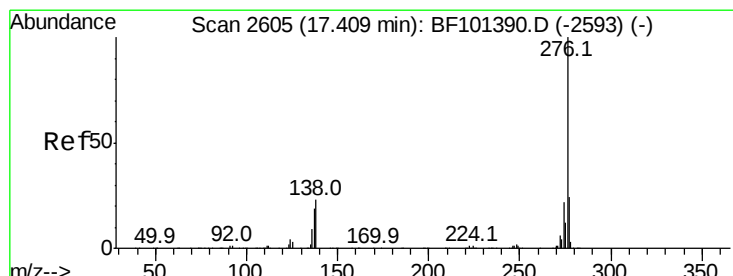
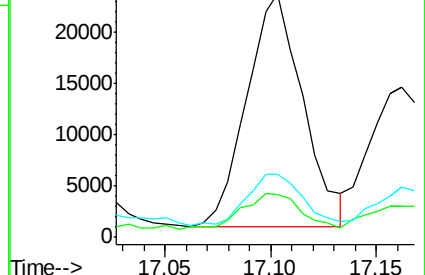
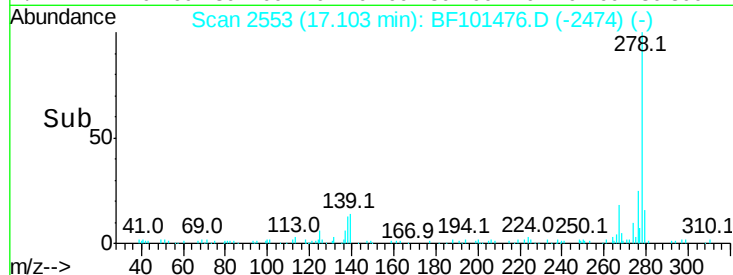
279 26.1 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 10.672 ng

RT: 17.38 min Scan# 2600

Delta R.T. -0.00 min

Lab File: BF101476.D

Acq: 18 Dec 2017 13:15

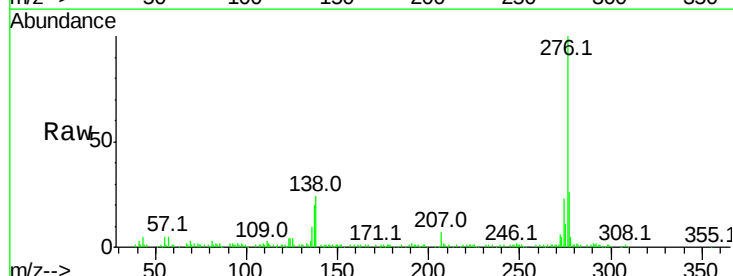
Tgt Ion:276 Resp: 167624

Ion Ratio Lower Upper

276 100

277 25.7 17.9 26.9

138 24.3 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

