

Data Path : U:\HPCHEM1\BNA F\DATA\BF012018\
 Data File : BF102256.D
 Acq On : 20 Jan 2018 10:55
 Operator : SJ/JU
 Sample : J1168-08
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 22 01:20:03 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 19 13:31:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	150738	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	621389	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	270450	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	416316	20.00	ng	0.00
75) Chrysene-d12	13.87	240	279879	20.00	ng	0.00
86) Perylene-d12	15.30	264	269502	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.33	112	891801	83.54	ng	0.00
7) Phenol-d6	6.36	99	1085724	85.25	ng	0.00
23) Nitrobenzene-d5	7.29	82	670836	63.44	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	215945	91.50	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1165516	67.33	ng	0.00
78) Terphenyl-d14	12.83	244	814055	60.39	ng	0.00

Target Compounds

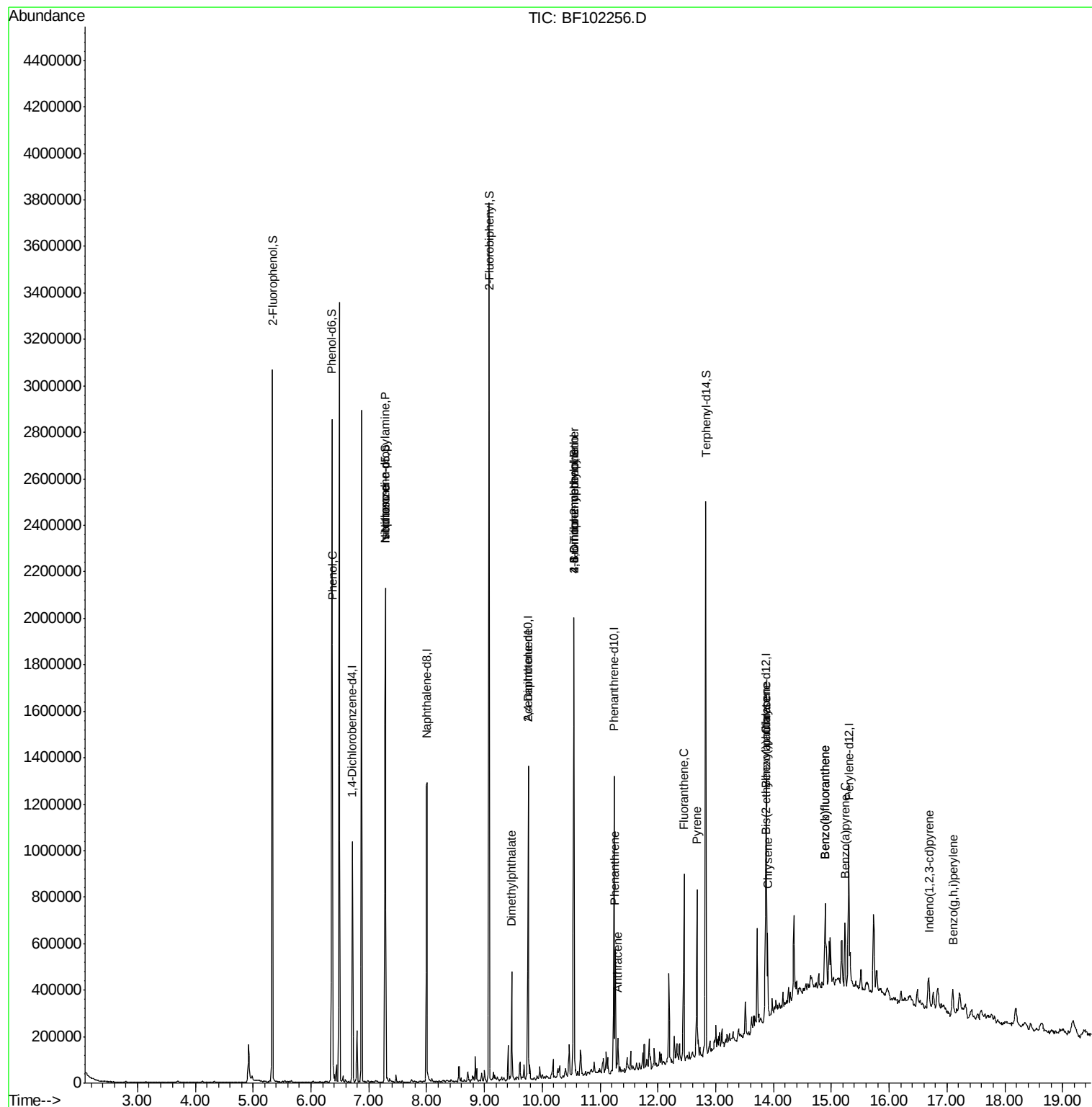
						Qvalue
10) Phenol	6.37	94	47466	3.298	ng	98
19) n-Nitroso-di-n-propylamine	7.29	70	90079	10.792	ng	# 77
25) Isophorone	7.29	82	667876	31.965	ng	# 64
49) Dimethylphthalate	9.47	163	176223	8.123	ng	98
56) 2,4-Dinitrotoluene	9.75	165	35086	6.459	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.55	198	464	5.843	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	14684	3.340	ng	# 1
70) Phenanthrene	11.26	178	183345	7.539	ng	95
71) Anthracene	11.31	178	50525	2.049	ng	99
74) Fluoranthene	12.45	202	320461	13.394	ng	96
77) Pyrene	12.67	202	290215	11.731	ng	99
80) Benzo(a)anthracene	13.86	228	150013	8.401	ng	97
82) Chrysene	13.90	228	136229	7.316	ng	98
83) Bis(2-ethylhexyl)phthalate	13.86	149	58402	4.484	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.68	276	79511	5.867	ng	96
87) Benzo(b)fluoranthene	14.89	252	248372	14.134	ng	# 94
88) Benzo(k)fluoranthene	14.89	252	248372	14.652	ng	97
89) Benzo(a)pyrene	15.24	252	131921	8.343	ng	96
91) Benzo(a,h,i)perylene	17.10	276	70685	5.561	ng	94

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

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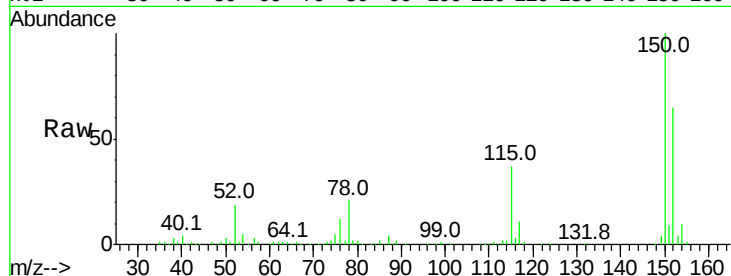


#1

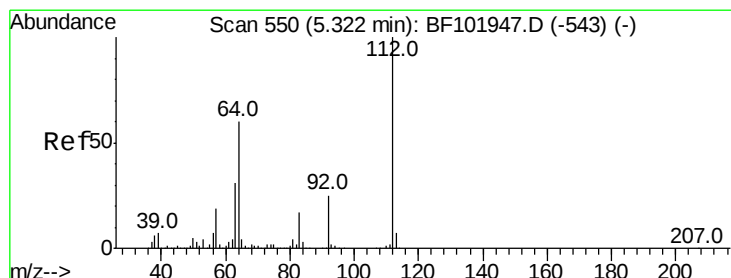
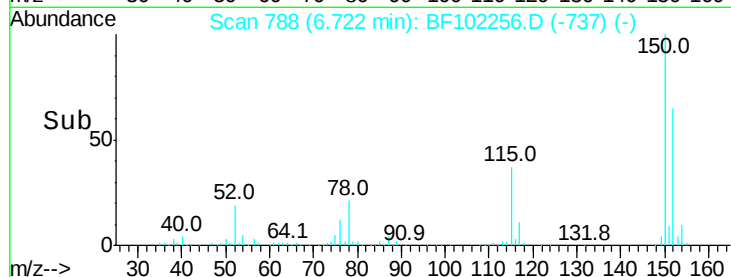
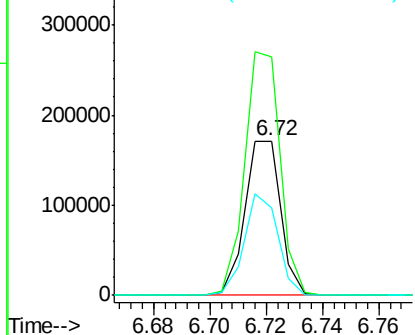
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. 0.00 min
 Lab File: BF102256.D
 Acq: 20 Jan 2018 10:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	124.6	186.8
115	57.2	50.1	75.1



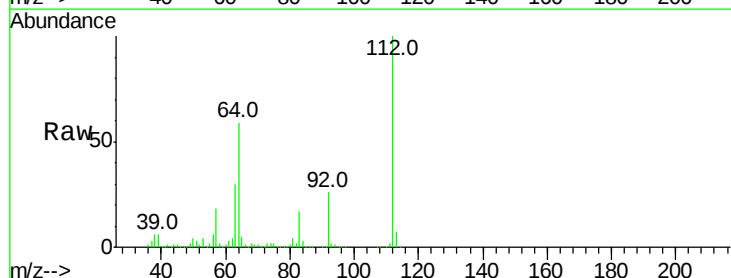
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



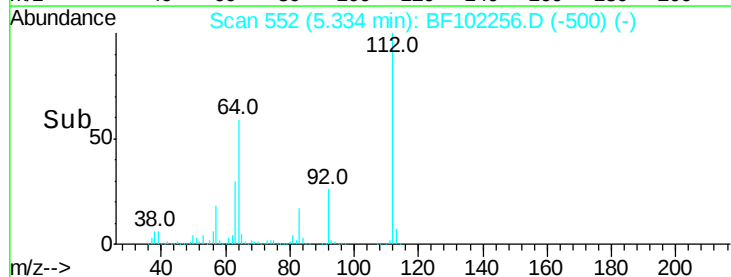
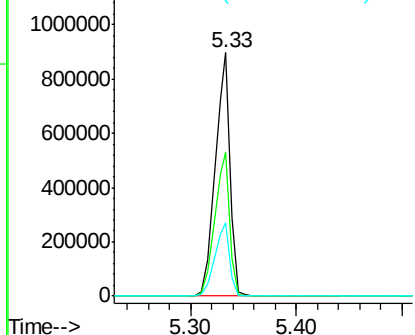
#5

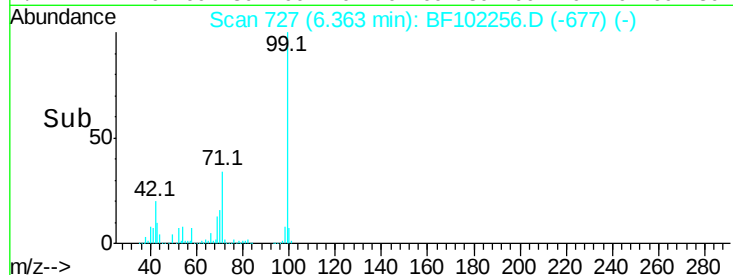
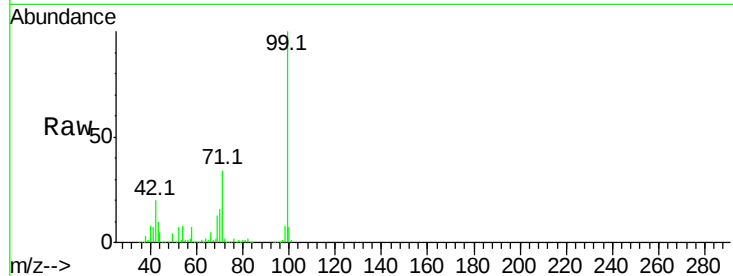
2-Fluorophenol
 Concen: 83.542 ng
 RT: 5.33 min Scan# 552
 Delta R.T. 0.01 min
 Lab File: BF102256.D
 Acq: 20 Jan 2018 10:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.8	47.9	71.9
63	30.3	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: 85.247 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF102256.D

Acq: 20 Jan 2018 10:55

Instrument :

BNA_F

ClientSampleId :

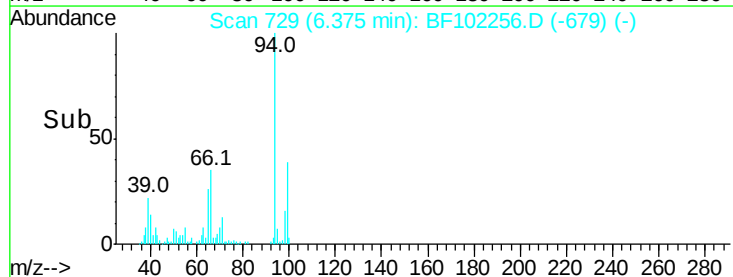
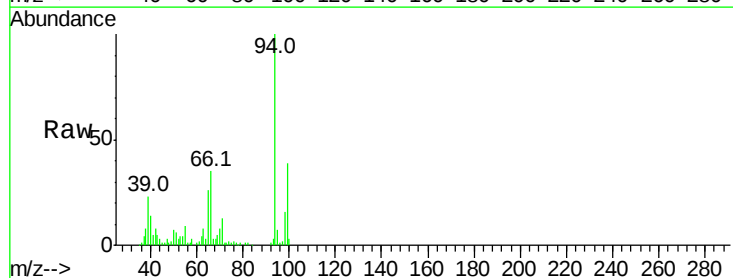
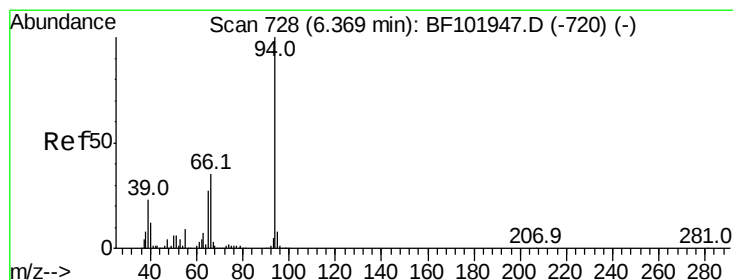
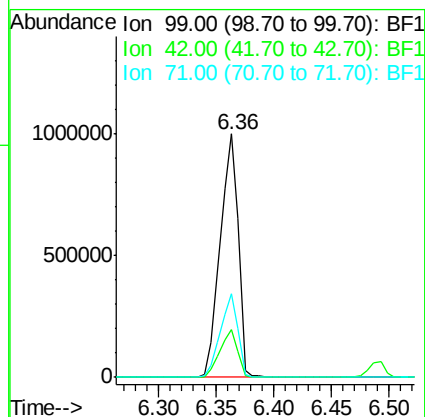
Tot Ion: 99 Resp: 1085724

Ion Ratio Lower Upper

99 100

42 19.6 14.5 21.7

71 34.2 25.4 38.0



#10

Phenol

Concen: 3.298 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF102256.D

Acq: 20 Jan 2018 10:55

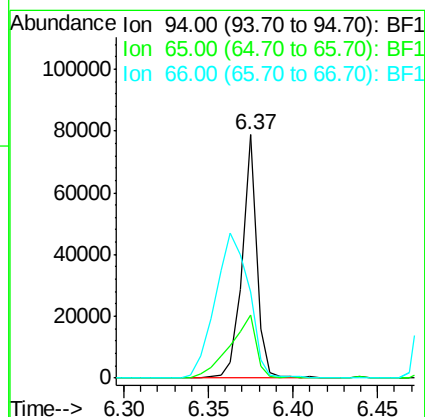
Tgt Ion: 94 Resp: 47466

Ion Ratio Lower Upper

94 100

65 26.0 7.9 47.9

66 35.5 16.2 56.2

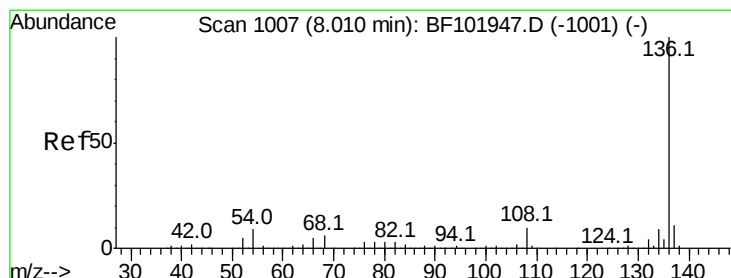
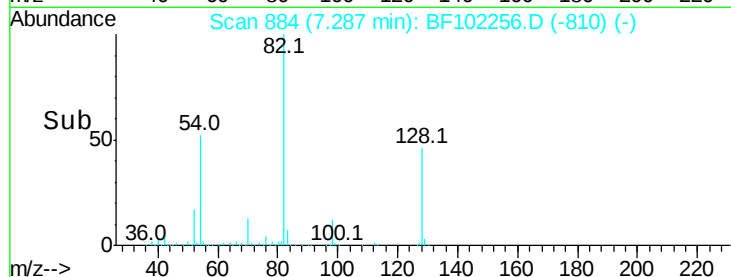
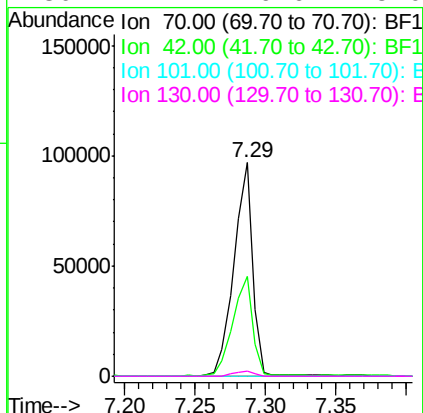
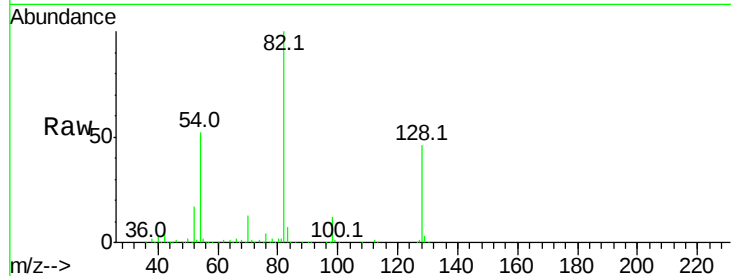




#19
n-Nitroso-di-n-propylamine
Concen: 10.792 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.14 min
Lab File: BF102256.D
Acq: 20 Jan 2018 10:55

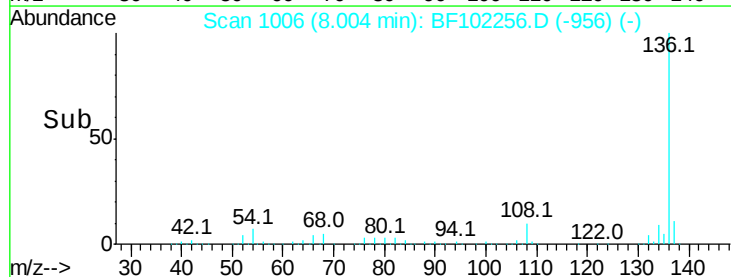
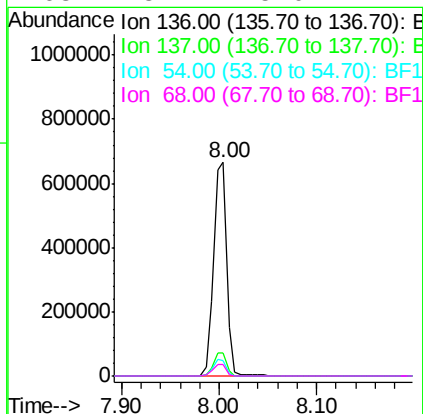
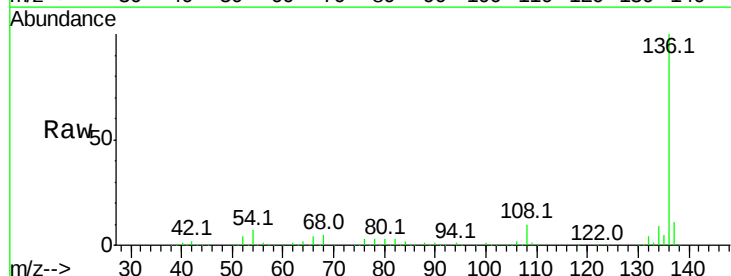
Instrument :
BNA_F
ClientSampled :

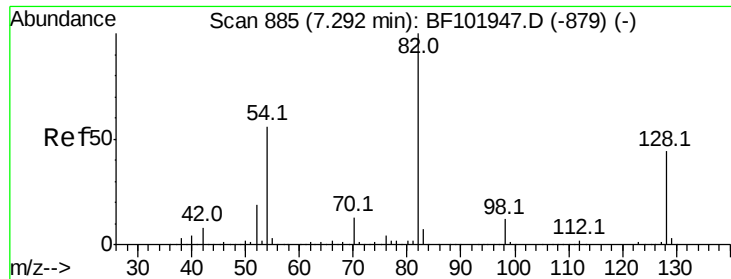
Tot Ion: 70 Resp: 90079
Ion Ratio Lower Upper
70 100
42 46.9 47.5 71.3#
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF102256.D
Acq: 20 Jan 2018 10:55

Tgt Ion: 136 Resp: 621389
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.0 6.6 9.8
68 5.4 5.0 7.4

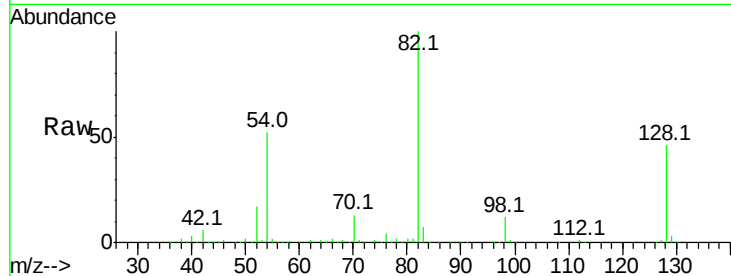




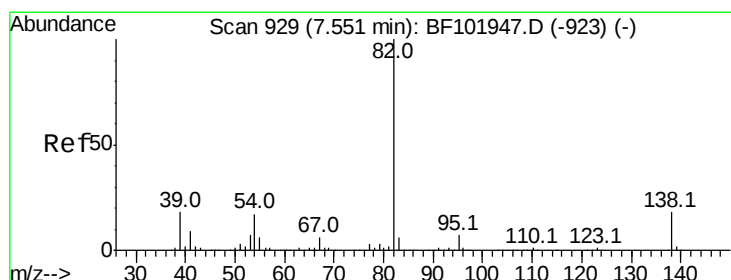
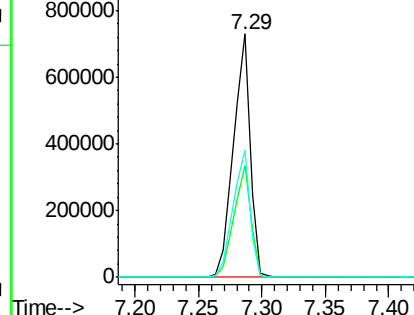
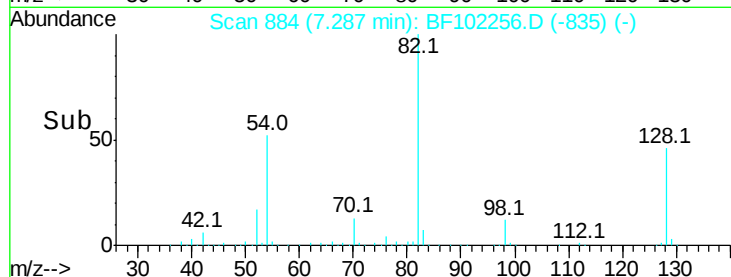
#23
 Nitrobenzene-d5
 Concen: 63.440 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BF102256.D
 Acq: 20 Jan 2018 10:55

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	670836
Ion Ratio	Lower	Upper	
82	100		
128	46.1	36.1	54.1
54	52.4	41.4	62.2

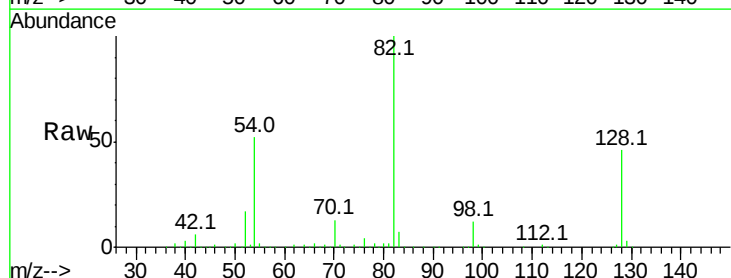


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

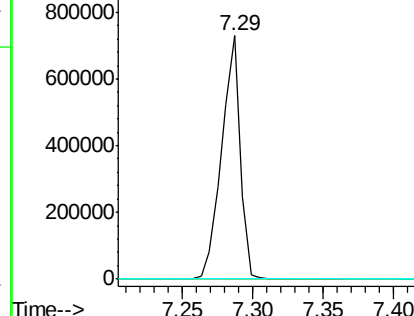
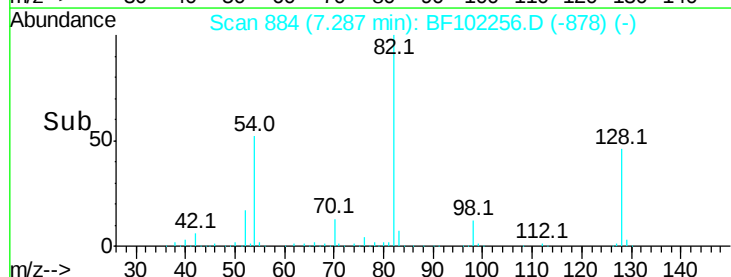


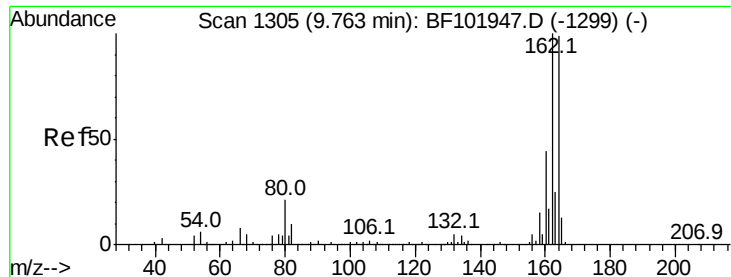
#25
 Isophorone
 Concen: 31.965 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.26 min
 Lab File: BF102256.D
 Acq: 20 Jan 2018 10:55

Tgt Ion	82	Resp	667876
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF102256.D

Acq: 20 Jan 2018 10:55

Instrument :

BNA_F

ClientSampleId :

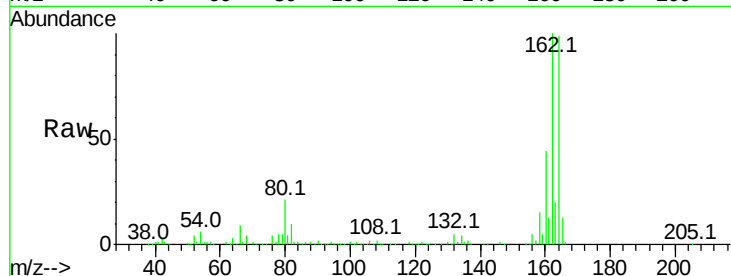
Tot Ion:164 Resp: 270450

Ion Ratio Lower Upper

164 100

162 101.4 86.1 129.1

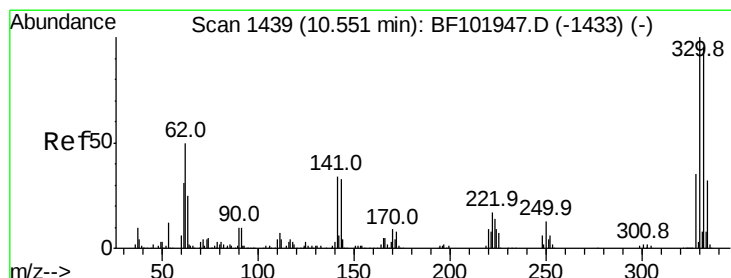
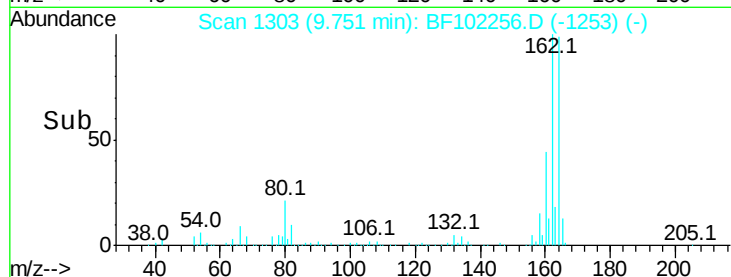
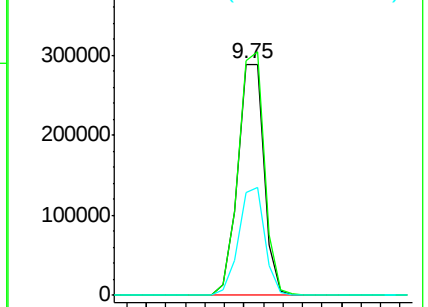
160 44.5 38.3 57.5



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: 91.495 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF102256.D

Acq: 20 Jan 2018 10:55

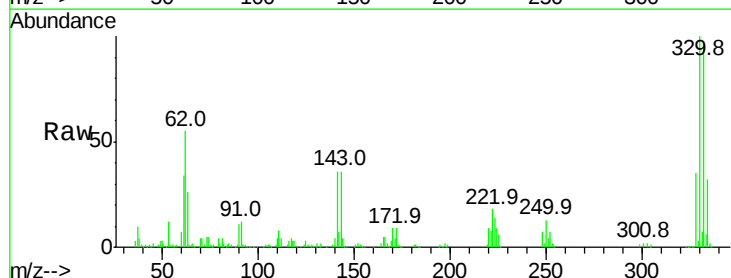
Tgt Ion:330 Resp: 215945

Ion Ratio Lower Upper

330 100

332 95.6 77.0 115.6

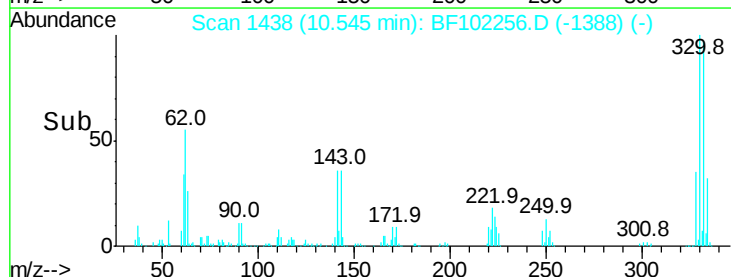
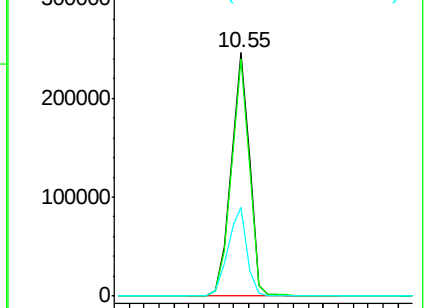
141 38.0 29.9 44.9



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

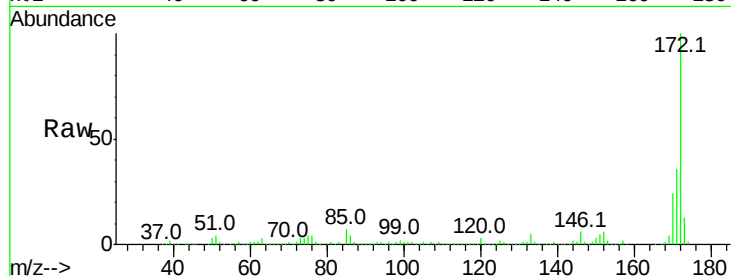




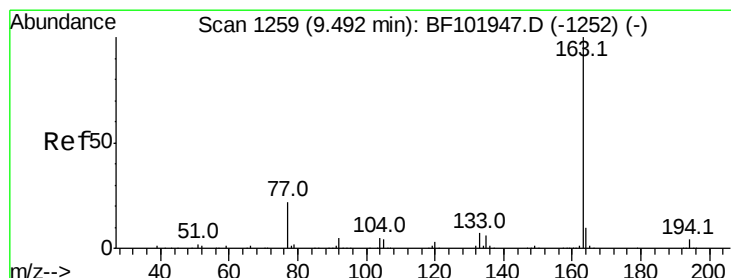
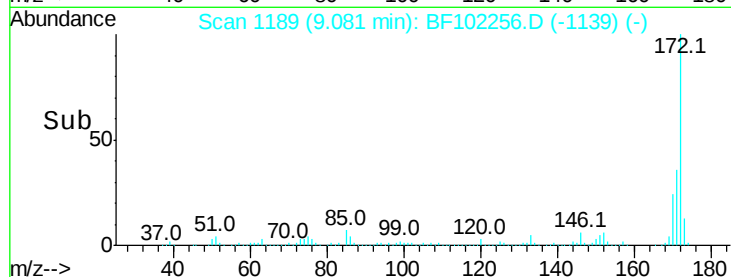
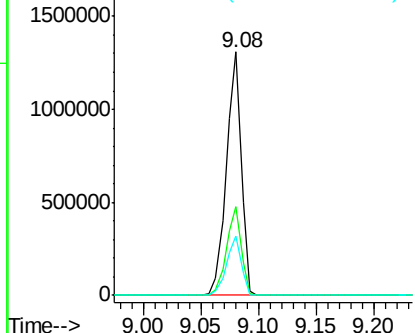
#44
2-Fluorobiphenyl
Concen: 67.327 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF102256.D
Acq: 20 Jan 2018 10:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1165516
Ion Ratio Lower Upper
172 100
171 36.3 29.7 44.5
170 24.1 19.6 29.4

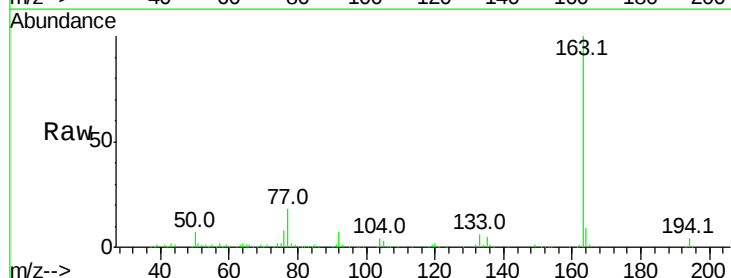


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

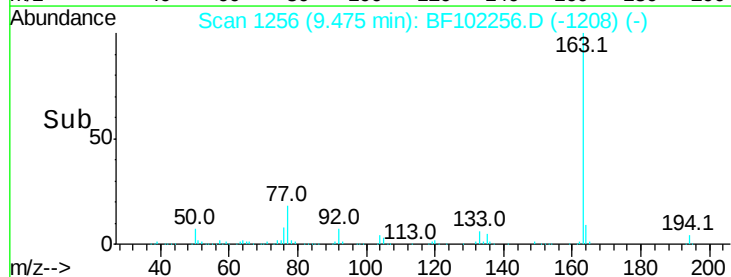
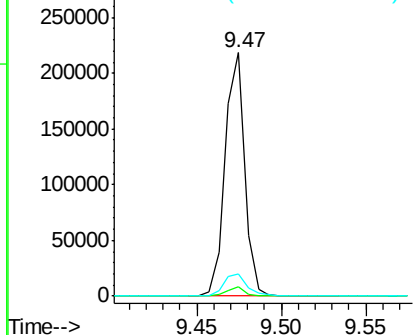


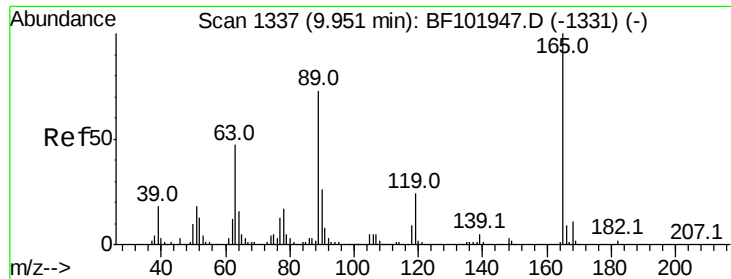
#49
Dimethylphthalate
Concen: 8.123 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.02 min
Lab File: BF102256.D
Acq: 20 Jan 2018 10:55

Tgt Ion:163 Resp: 176223
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 9.3 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

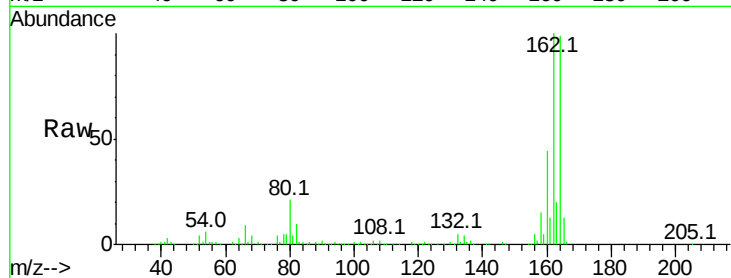




#56
 2,4-Dinitrotoluene
 Concen: 6.459 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.21 min
 Lab File: BF102256.D
 Acq: 20 Jan 2018 10:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.1	57.8	86.6#
182	0.0	1.6	2.4#

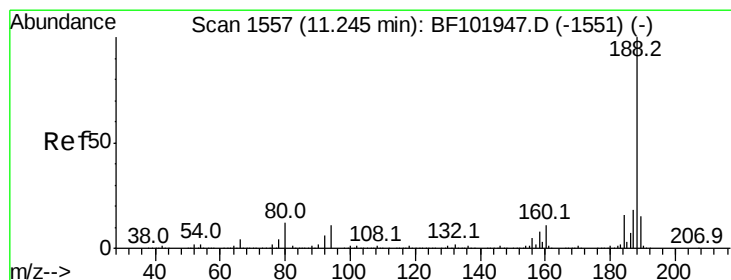
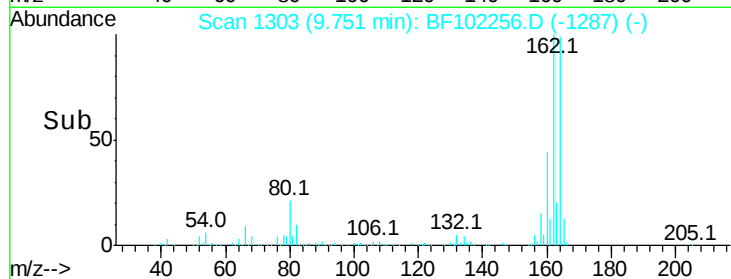
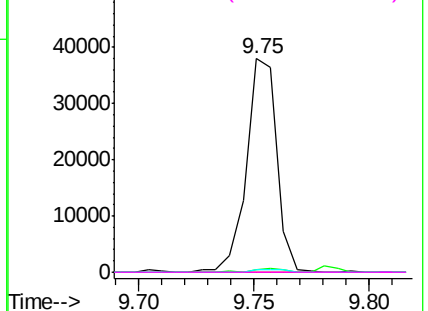


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

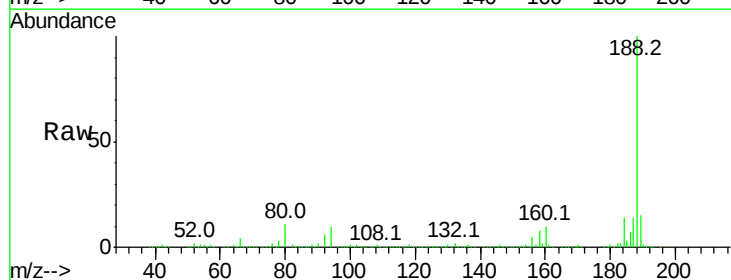
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. 0.00 min
 Lab File: BF102256.D
 Acq: 20 Jan 2018 10:55

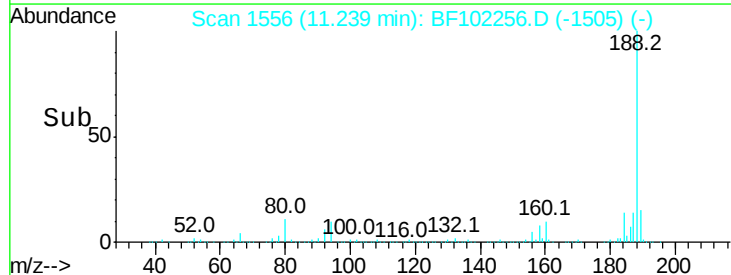
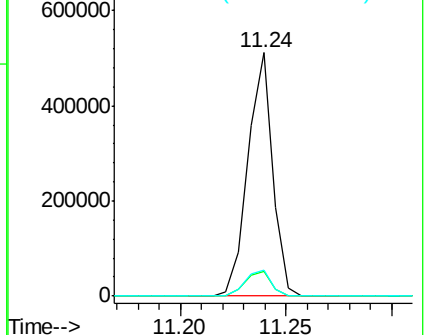
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.5	12.7
80	10.9	9.2	13.8

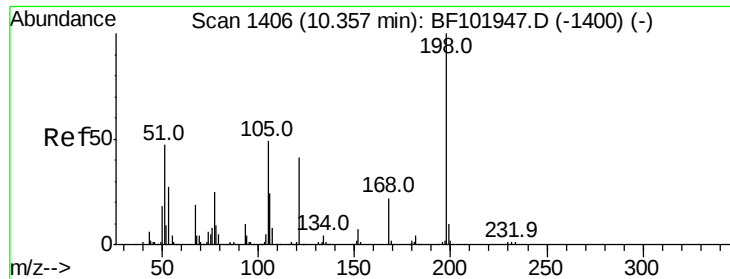


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

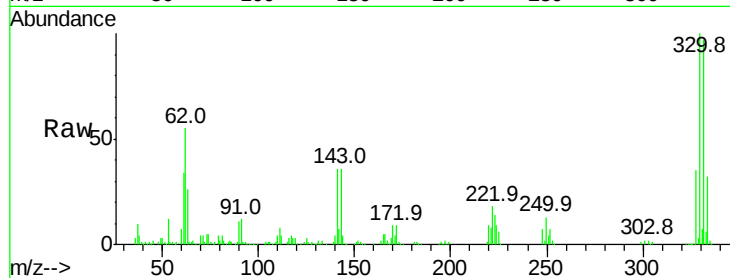




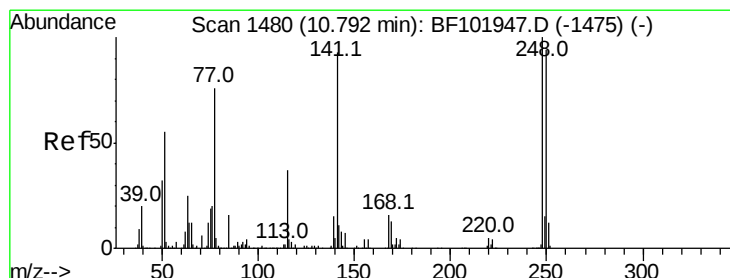
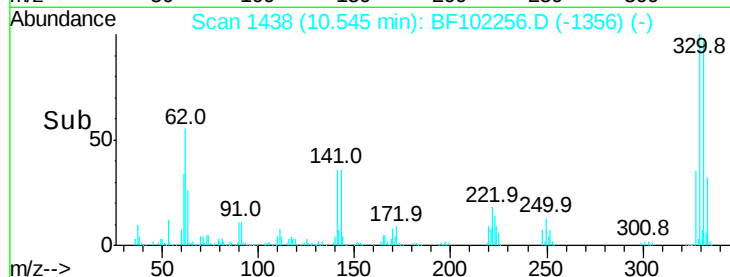
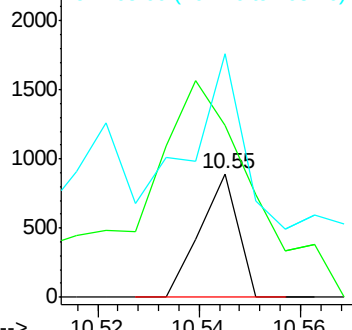
#64
4,6-Dinitro-2-methylphenol
Concen: 5.843 ng
RT: 10.55 min Scan# 1438
Delta R.T. 0.18 min
Lab File: BF102256.D
Acq: 20 Jan 2018 10:55

Instrument :
BNA_F
ClientSampled :

Tot Ion:198 Resp: 464
Ion Ratio Lower Upper
198 100
51 139.4 37.7 77.7#
105 197.4 36.3 76.3#

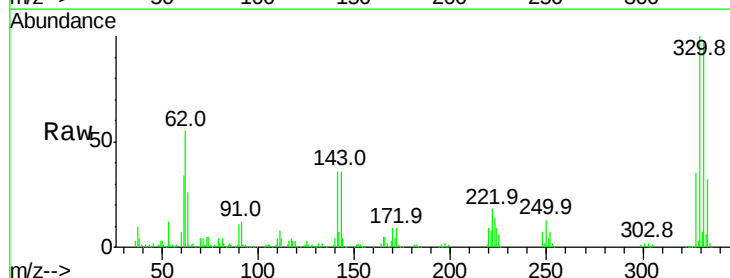


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

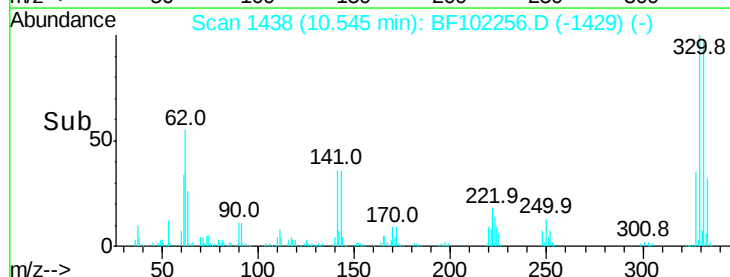
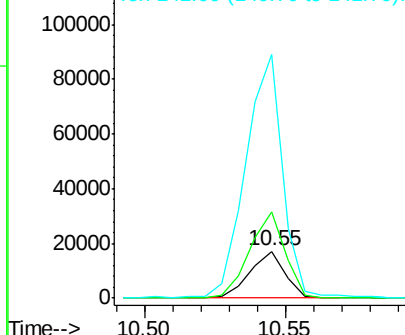


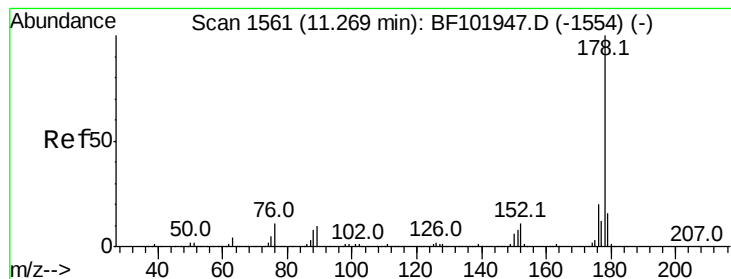
#66
4-Bromophenyl-phenylether
Concen: 3.340 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.25 min
Lab File: BF102256.D
Acq: 20 Jan 2018 10:55

Tgt Ion:248 Resp: 14684
Ion Ratio Lower Upper
248 100
250 185.6 76.9 115.3#
141 523.2 74.4 111.6#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 7.539 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BF102256.D

Acq: 20 Jan 2018 10:55

Instrument :

BNA_F

ClientSampleId :

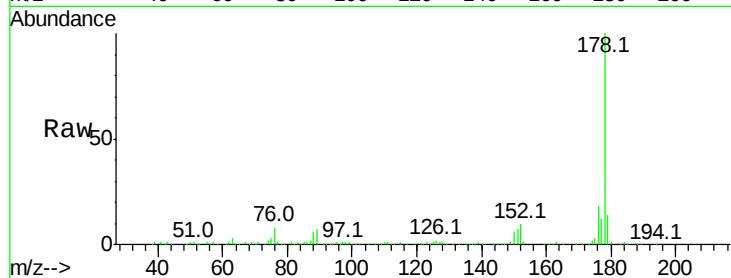
Tot Ion:178 Resp: 183345

Ion Ratio Lower Upper

178 100

176 18.1 15.8 23.8

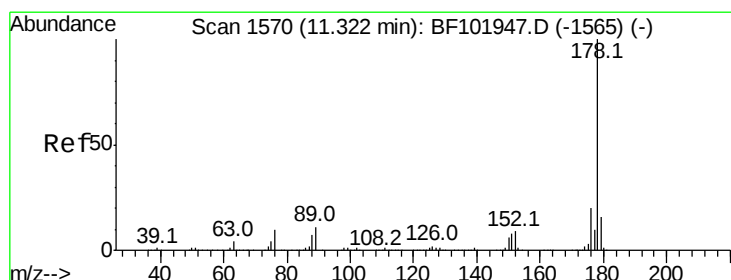
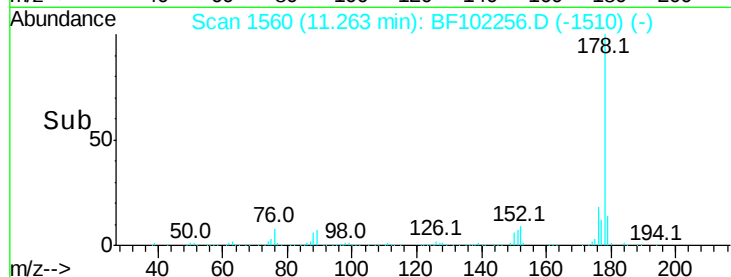
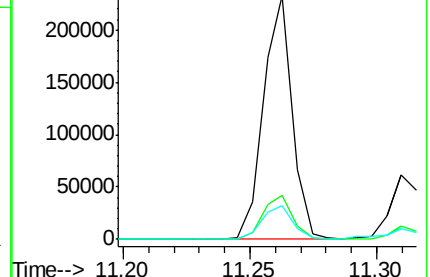
179 13.9 13.0 19.6



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: 2.049 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF102256.D

Acq: 20 Jan 2018 10:55

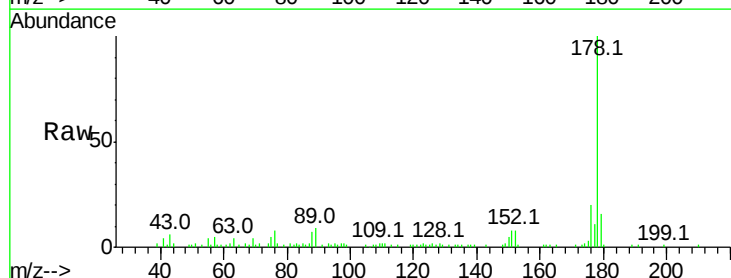
Tgt Ion:178 Resp: 50525

Ion Ratio Lower Upper

178 100

176 19.7 15.4 23.2

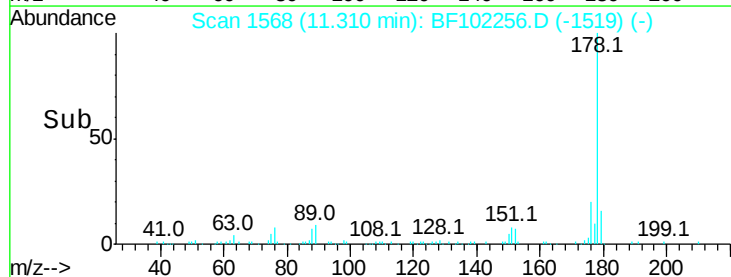
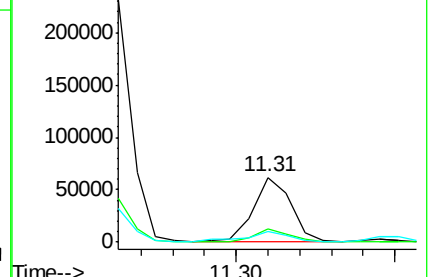
179 15.9 12.6 19.0

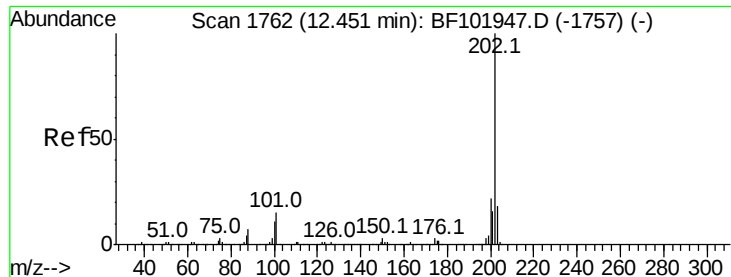


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 13.394 ng

RT: 12.45 min Scan# 1762

Delta R.T. 0.00 min

Lab File: BF102256.D

Acq: 20 Jan 2018 10:55

Instrument :

BNA_F

ClientSampleId :

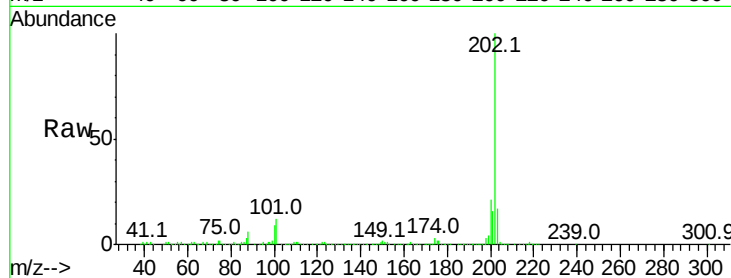
Tot Ion:202 Resp: 320461

Ion Ratio Lower Upper

202 100

101 11.7 0.0 34.1

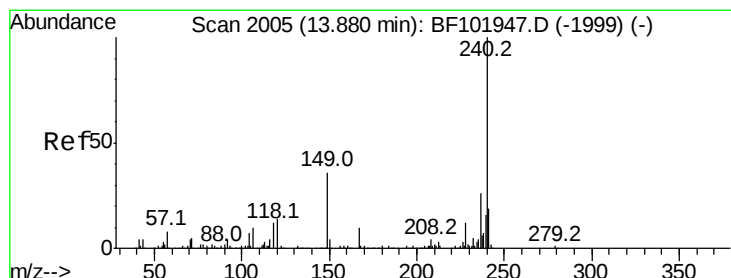
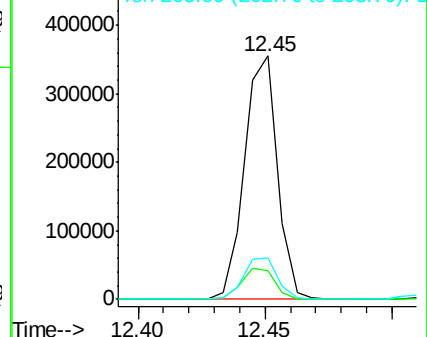
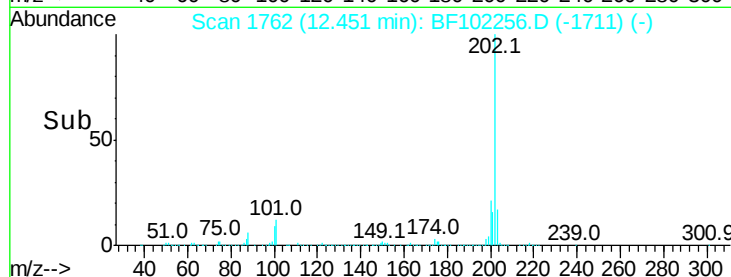
203 17.2 0.0 38.1



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: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF102256.D

Acq: 20 Jan 2018 10:55

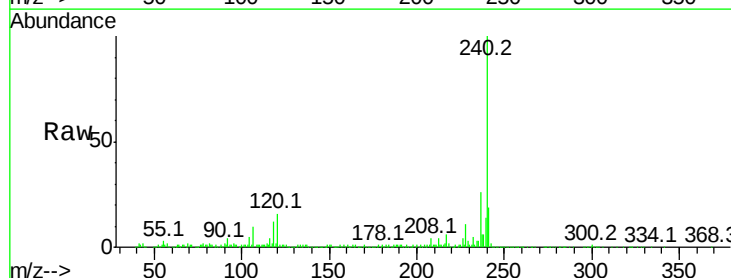
Tgt Ion:240 Resp: 279879

Ion Ratio Lower Upper

240 100

120 15.6 9.5 14.3#

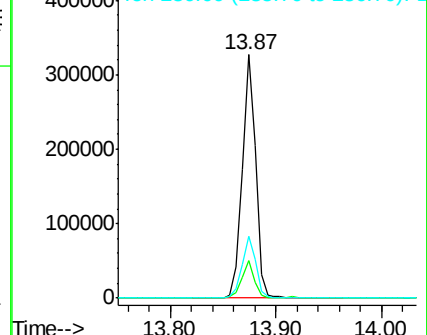
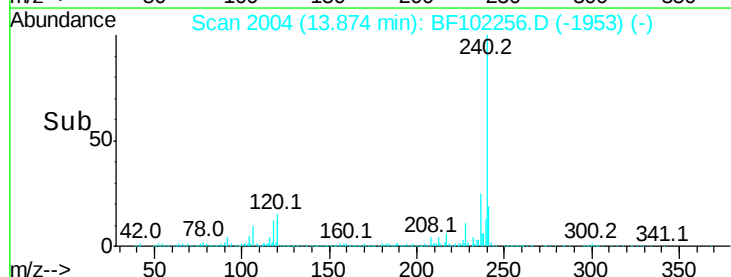
236 25.5 20.7 31.1

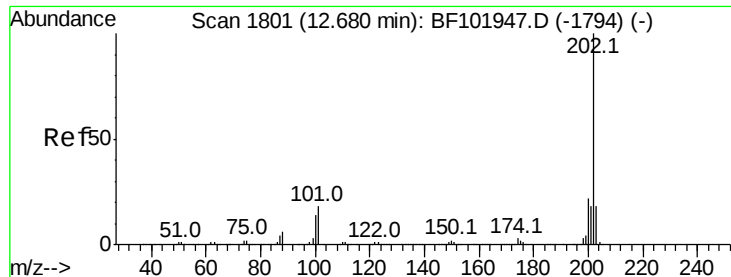


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 11.731 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF102256.D

Acq: 20 Jan 2018 10:55

Instrument :

BNA_F

ClientSampleId :

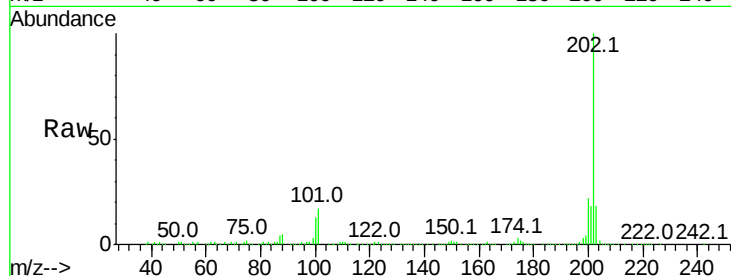
Tot Ion:202 Resp: 290215

Ion Ratio Lower Upper

202 100

200 22.3 17.4 26.2

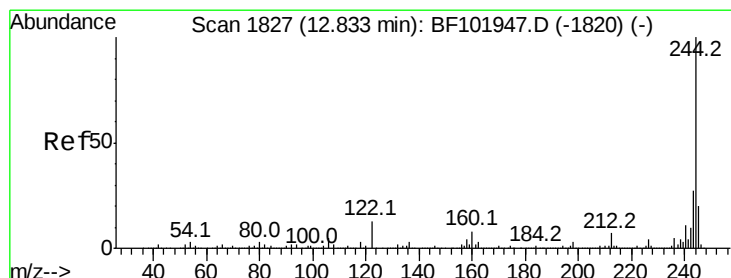
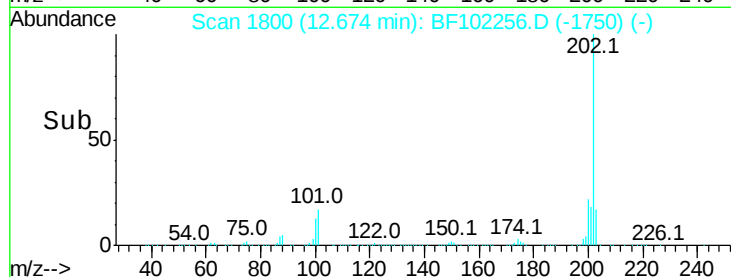
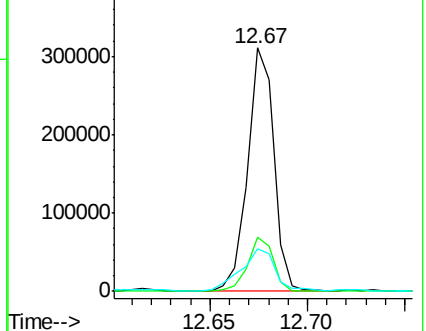
203 17.7 14.3 21.5



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: 60.390 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BF102256.D

Acq: 20 Jan 2018 10:55

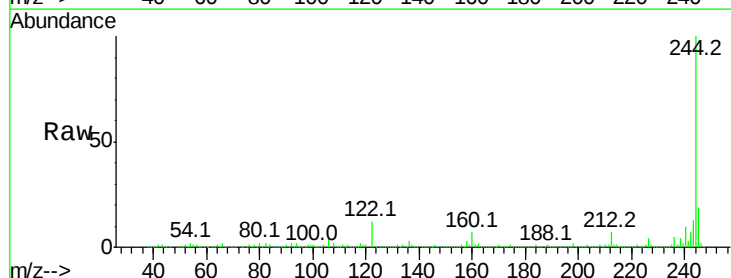
Tgt Ion:244 Resp: 814055

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

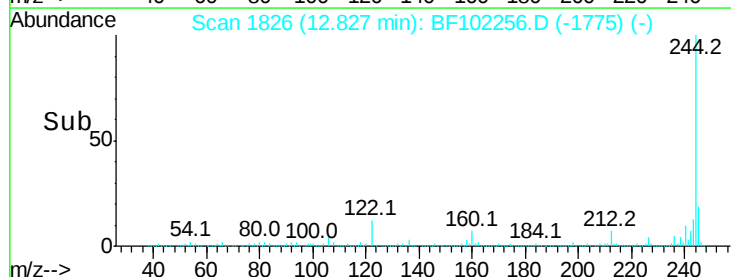
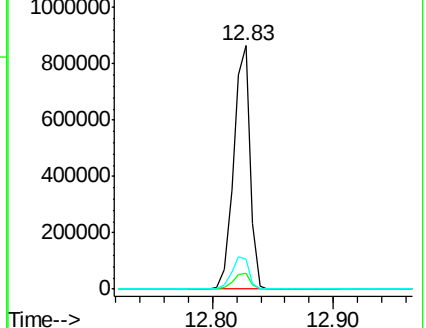
122 12.2 11.0 16.4

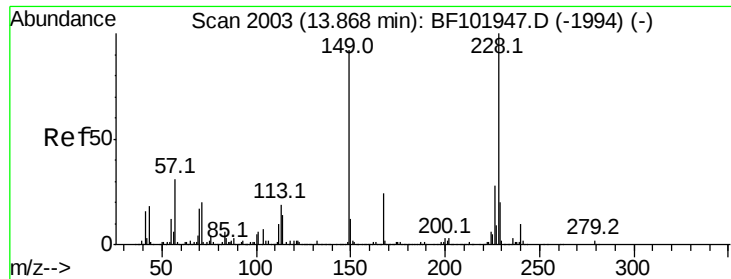


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

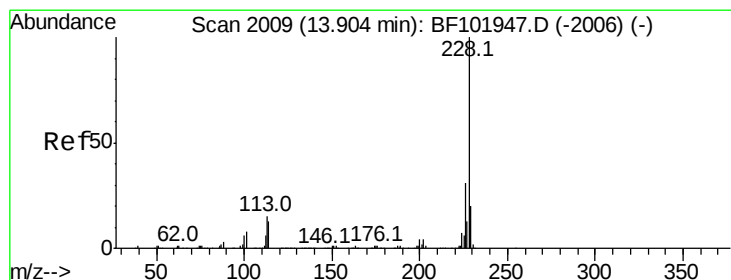
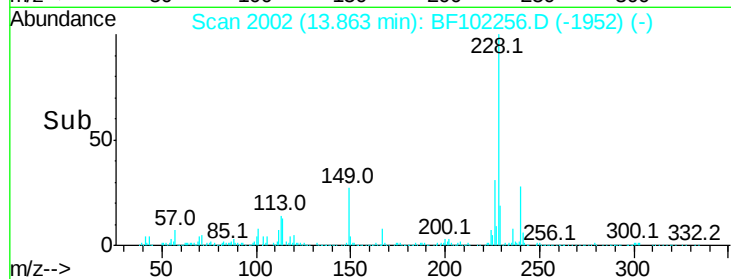
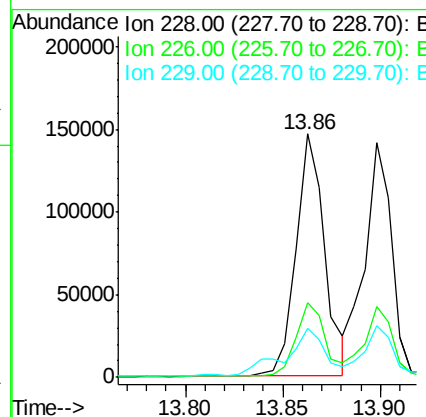
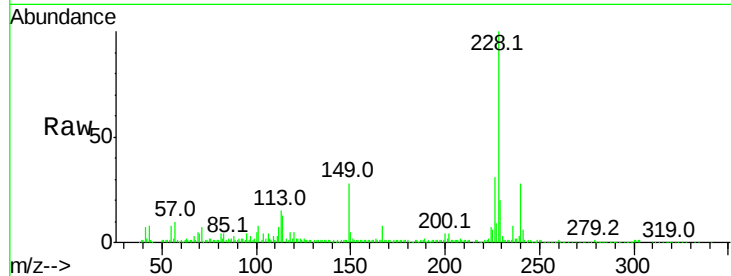




#80
Benzo(a)anthracene
Concen: 8.401 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF102256.D
Acq: 20 Jan 2018 10:55

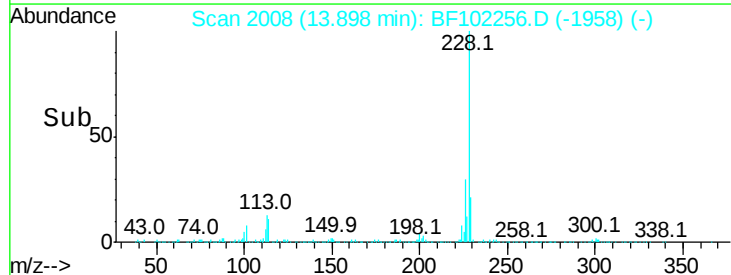
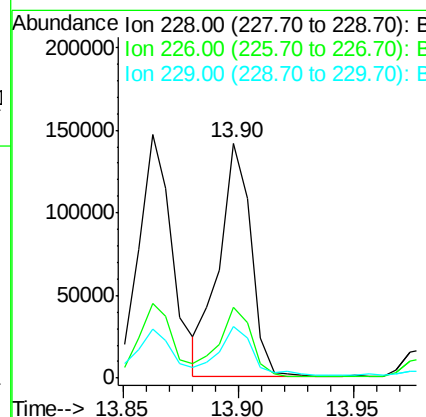
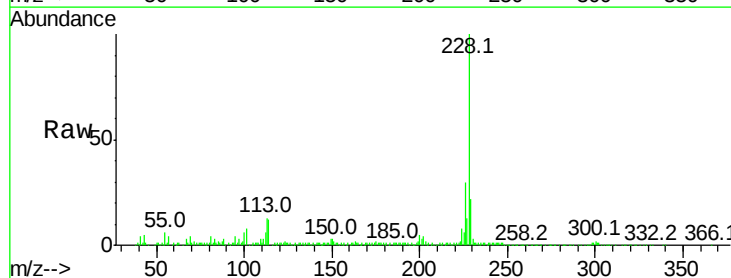
Instrument :
BNA_F
ClientSampleId :

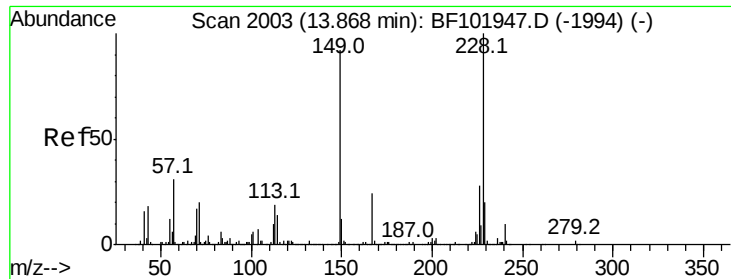
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.6	33.8
229	20.1	15.8	23.6



#82
Chrysene
Concen: 7.316 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF102256.D
Acq: 20 Jan 2018 10:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	21.7	16.2	24.4

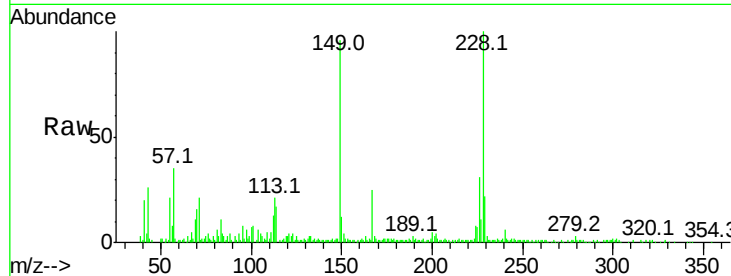




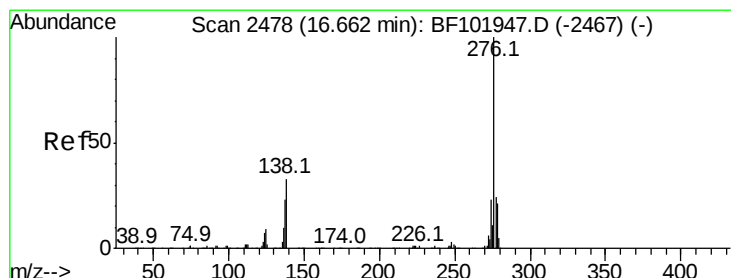
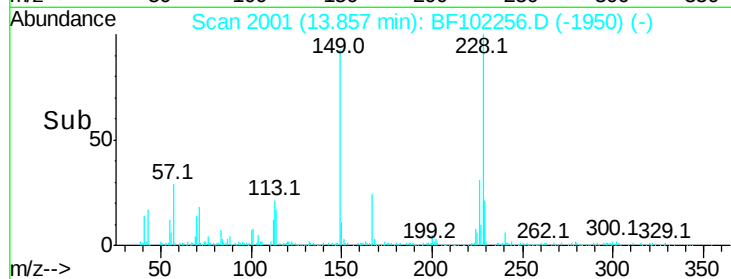
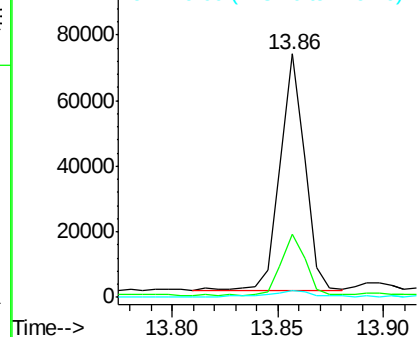
#83
Bis(2-ethylhexyl)phthalate
Concen: 4.484 ng
RT: 13.86 min Scan# 2001
Delta R.T. 0.00 min
Lab File: BF102256.D
Acq: 20 Jan 2018 10:55

Instrument :
BNA_F
ClientSampled :

Tot Ion:149 Resp: 58402
Ion Ratio Lower Upper
149 100
167 25.9 21.3 31.9
279 2.8 3.0 4.4#

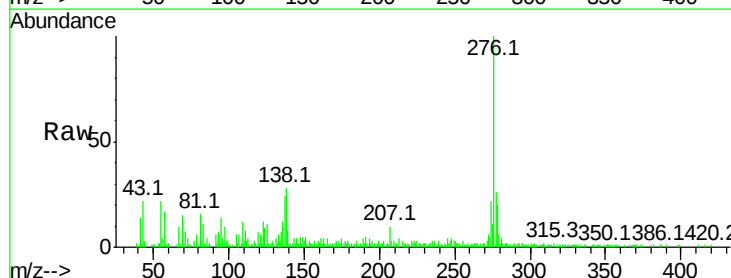


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

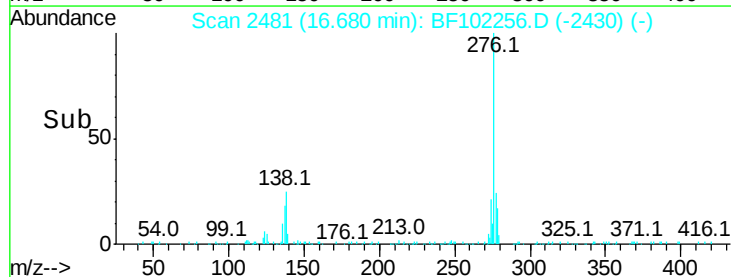
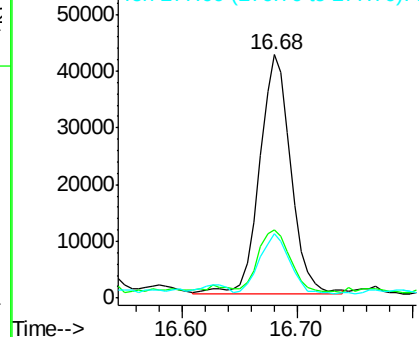


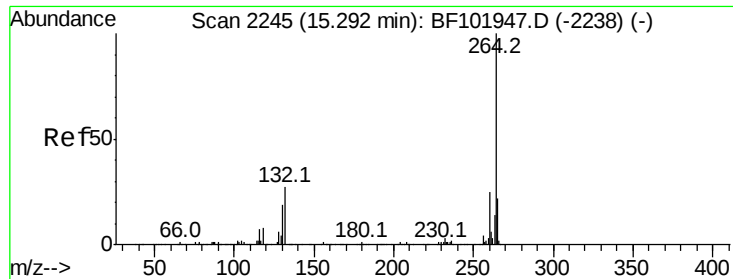
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.867 ng
RT: 16.68 min Scan# 2481
Delta R.T. 0.00 min
Lab File: BF102256.D
Acq: 20 Jan 2018 10:55

Tgt Ion:276 Resp: 79511
Ion Ratio Lower Upper
276 100
138 27.9 25.0 37.6
277 24.3 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.30 min Scan# 2246

Delta R.T. 0.01 min

Lab File: BF102256.D

Acq: 20 Jan 2018 10:55

Instrument :

BNA_F

ClientSampleId :

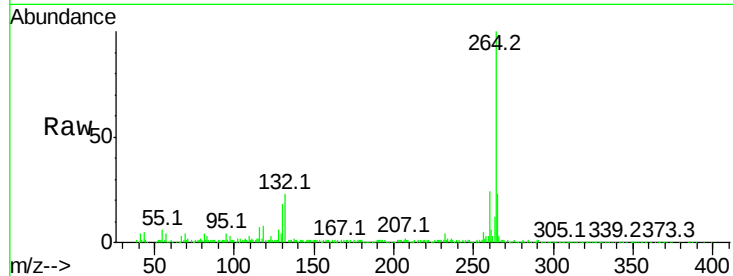
Tot Ion:264 Resp: 269502

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

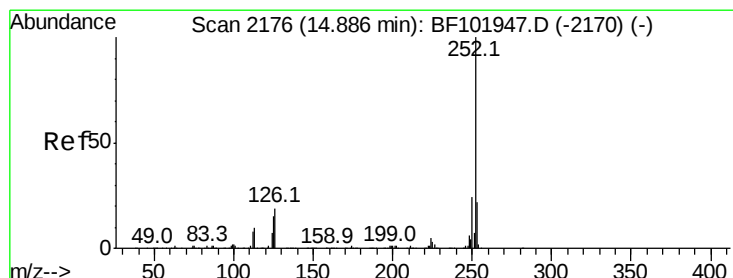
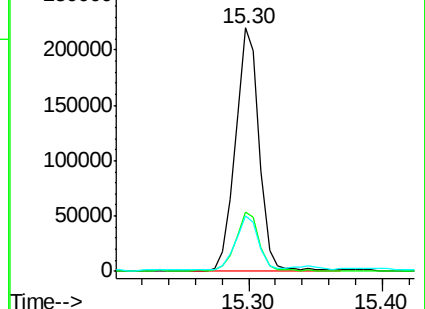
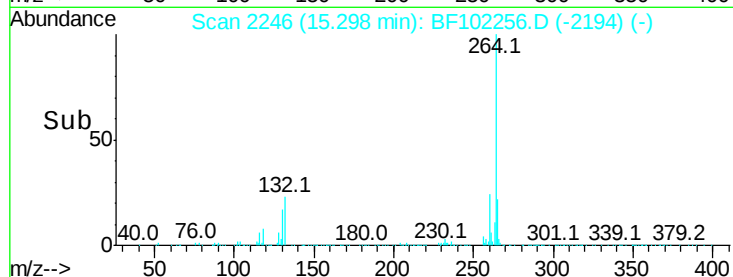
265 22.5 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 14.134 ng

RT: 14.89 min Scan# 2177

Delta R.T. 0.00 min

Lab File: BF102256.D

Acq: 20 Jan 2018 10:55

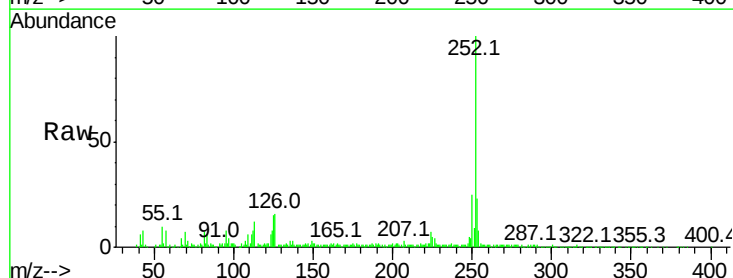
Tgt Ion:252 Resp: 248372

Ion Ratio Lower Upper

252 100

253 23.5 17.0 25.6

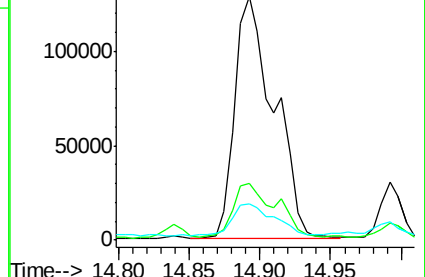
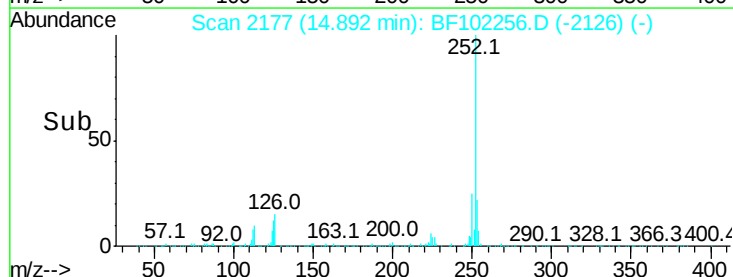
125 14.9 9.0 13.6#

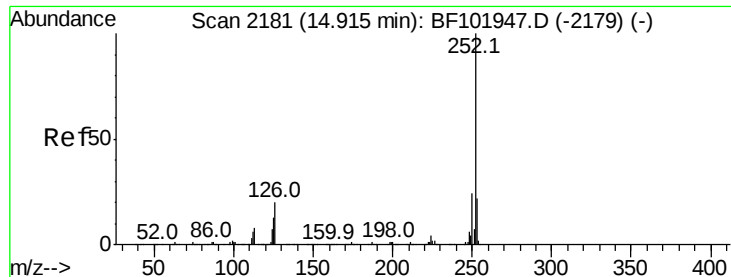


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

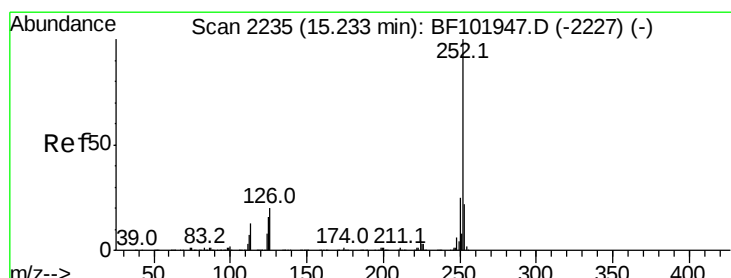
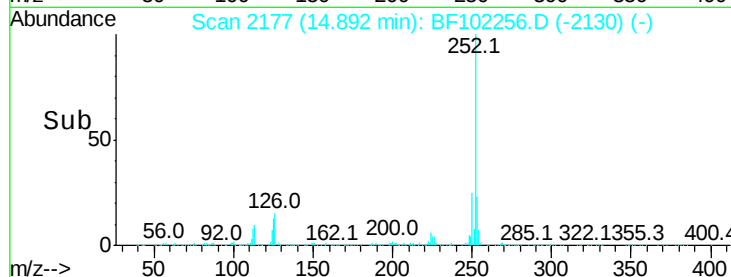
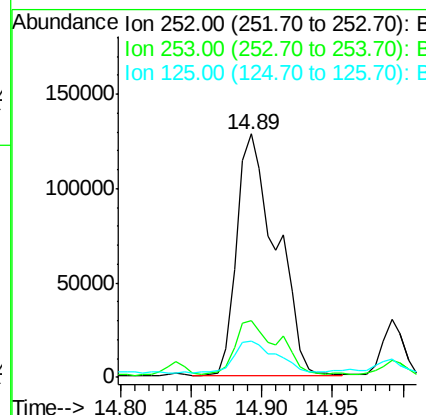
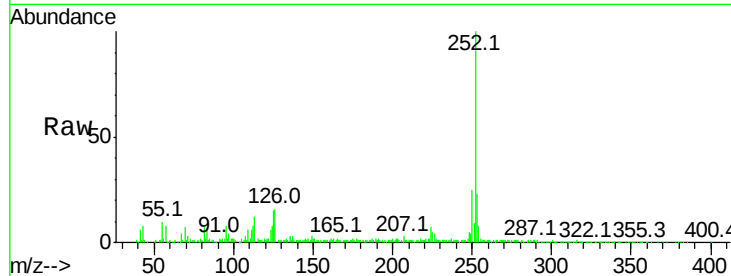




#88
Benzo(k)fluoranthene
Concen: 14.652 ng
RT: 14.89 min Scan# 2177
Delta R.T. -0.02 min
Lab File: BF102256.D
Acq: 20 Jan 2018 10:55

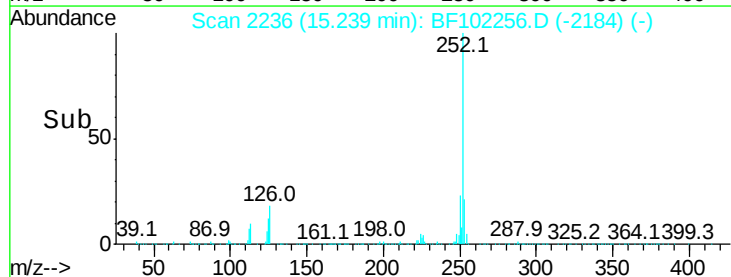
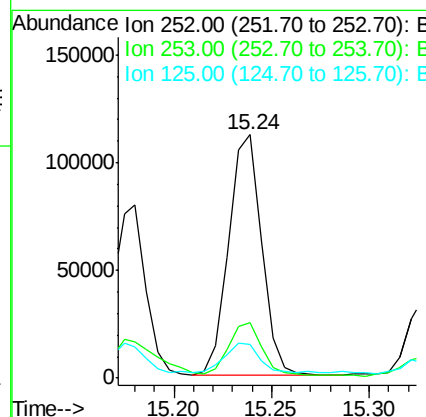
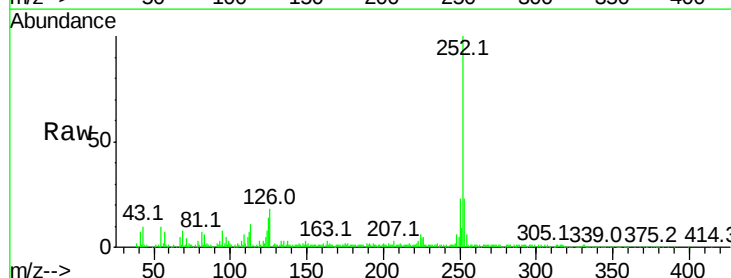
Instrument :
BNA_F
ClientSampleId :

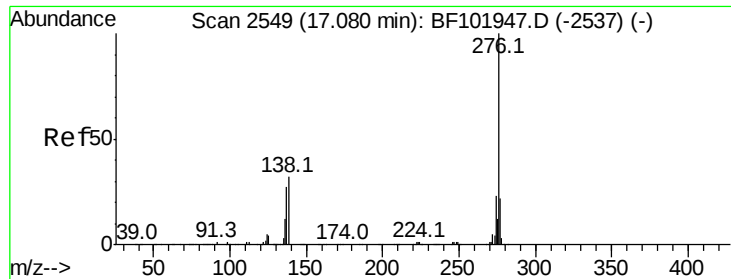
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	14.9	10.2	15.2



#89
Benzo(a)pyrene
Concen: 8.343 ng
RT: 15.24 min Scan# 2236
Delta R.T. 0.01 min
Lab File: BF102256.D
Acq: 20 Jan 2018 10:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	14.1	9.8	14.6

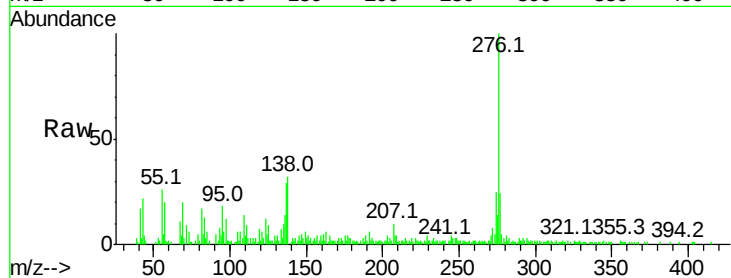




#91
 Benzo(a,h,i)perylene
 Concen: 5.561 ng
 RT: 17.10 min Scan# 2552
 Delta R.T. 0.00 min
 Lab File: BF102256.D
 Acq: 20 Jan 2018 10:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.9	17.9	26.9
138	31.7	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

