

Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
 Data File : BF102729.D
 Acq On : 5 Feb 2018 11:04
 Operator : SJ/JU
 Sample : J1395-01 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 05 12:47:23 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	222316	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	904600	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	395059	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	633633	20.00	ng	0.00
75) Chrysene-d12	14.04	240	393954	20.00	ng	0.00
86) Perylene-d12	15.52	264	382229	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.48	112	341082	23.30	ng	-0.01
7) Phenol-d6	6.49	99	405803	23.02	ng	-0.01
23) Nitrobenzene-d5	7.43	82	238730	18.31	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	79366	24.96	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	439293	18.45	ng	-0.01
78) Terphenyl-d14	12.99	244	316702	19.03	ng	-0.01

Target Compounds

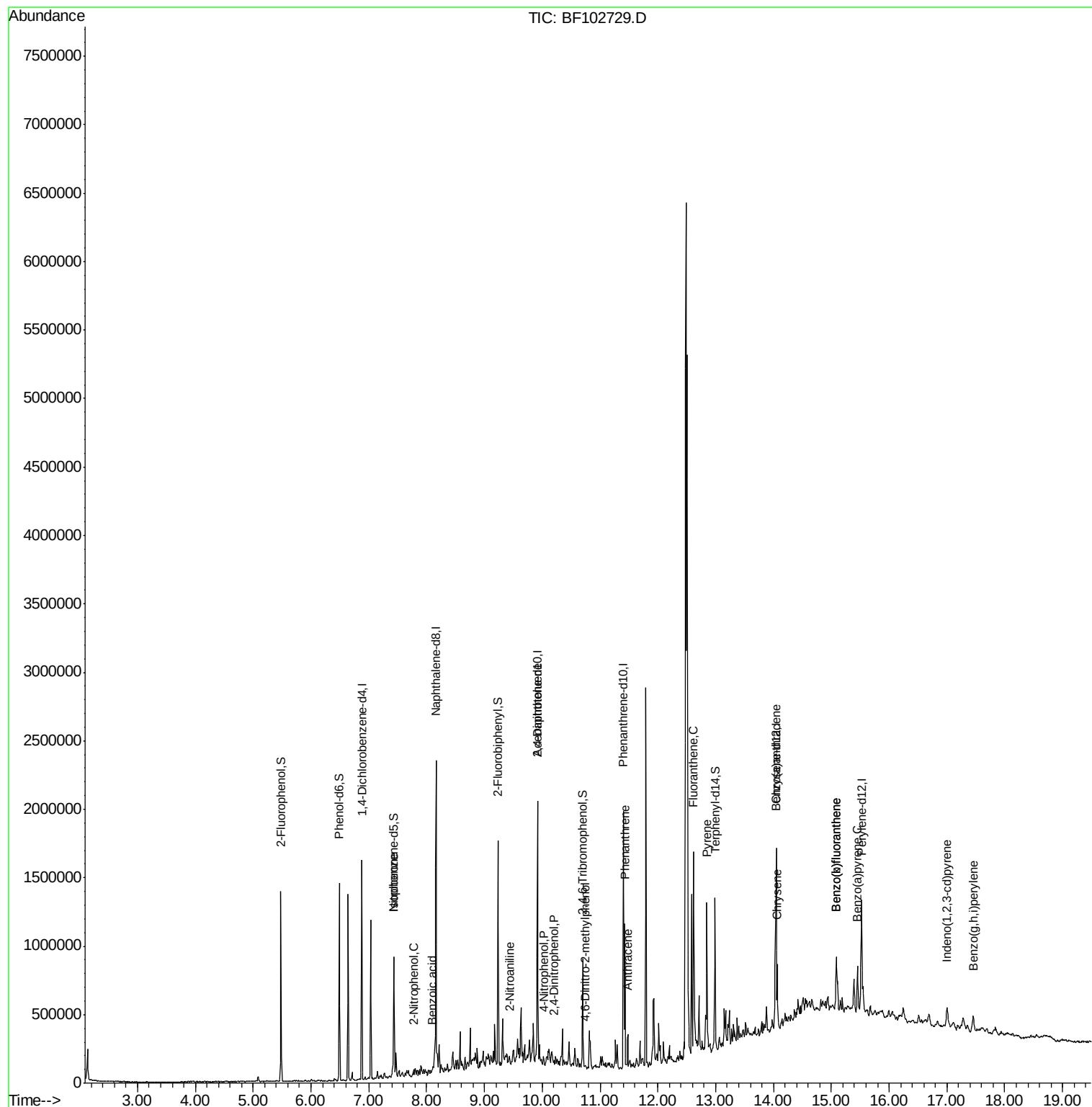
						Qvalue
25) Isophorone	7.43	82	235482	7.842	ng	# 65
26) 2-Nitrophenol	7.77	139	278	8.702	ng	# 1
32) Benzoic acid	8.09	122	213	8.566	ng	94
47) 2-Nitroaniline	9.43	65	993	3.586	ng	# 59
53) 2,4-Dinitrophenol	10.20	184	112	8.025	ng	# 47
55) 4-Nitrophenol	10.02	139	619	4.123	ng	# 22
56) 2,4-Dinitrotoluene	9.92	165	54862	9.608	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.74	198	386	8.928	ng	# 1
70) Phenanthrene	11.43	178	323857	9.177	ng	98
71) Anthracene	11.48	178	89870	2.504	ng	99
74) Fluoranthene	12.62	202	461980	13.012	ng	98
77) Pyrene	12.85	202	433076	14.019	ng	99
80) Benzo(a)anthracene	14.03	228	180843	7.299	ng	94
82) Chrysene	14.07	228	178869	7.162	ng	98
85) Indeno(1,2,3-cd)pyrene	17.00	276	92223	4.452	ng	97
87) Benzo(b)fluoranthene	15.09	252	298209	12.034	ng	# 92
88) Benzo(k)fluoranthene	15.09	252	298209	12.594	ng	# 95
89) Benzo(a)pyrene	15.46	252	164926	7.394	ng	95
91) Benzo(a,h,i)perylene	17.46	276	91159	5.144	ng	99

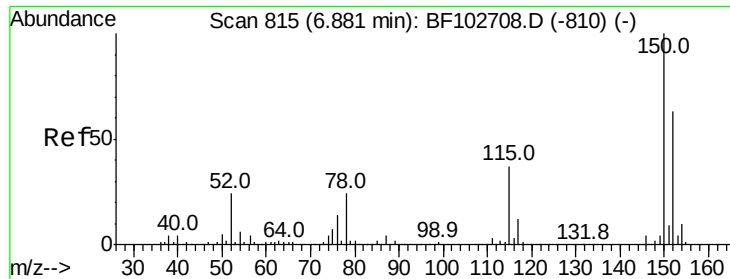
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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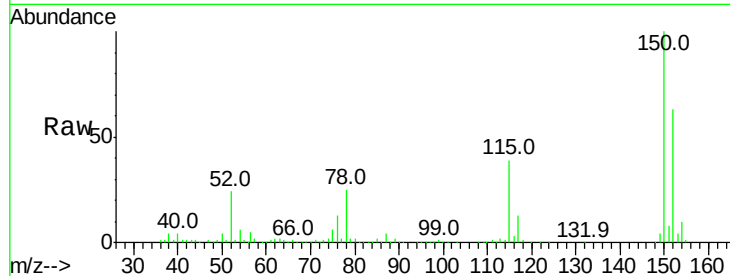


#1

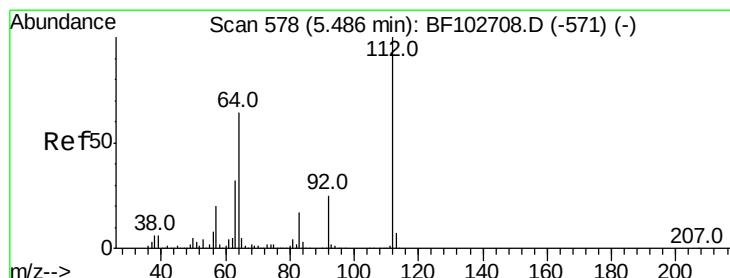
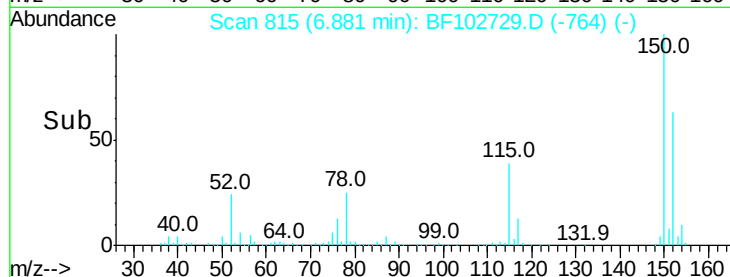
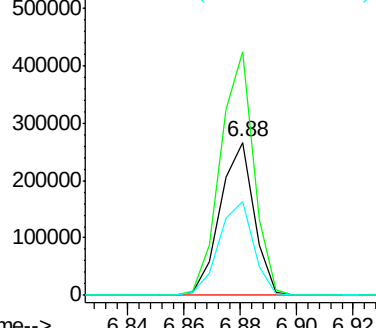
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF102729.D
Acq: 5 Feb 2018 11:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	124.6	186.8
115	61.3	50.1	75.1



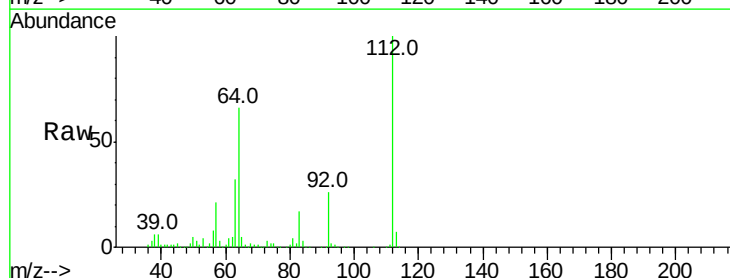
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



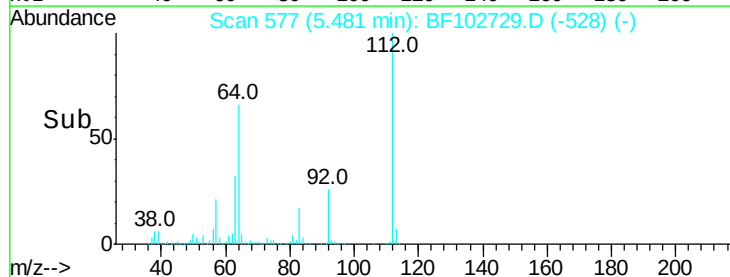
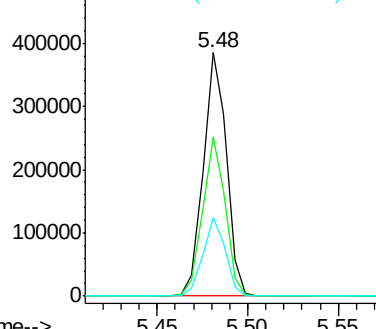
#5

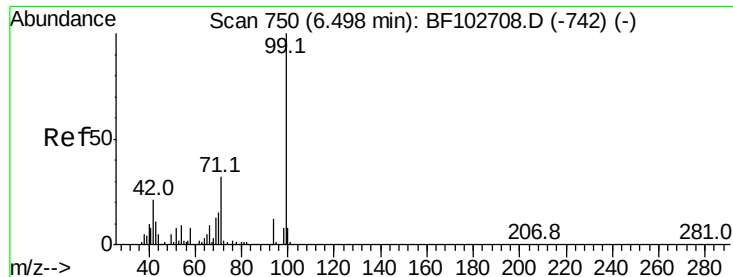
2-Fluorophenol
Concen: 23.300 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.01 min
Lab File: BF102729.D
Acq: 5 Feb 2018 11:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.5	47.9	71.9
63	32.4	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: 23.023 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF102729.D

Acq: 5 Feb 2018 11:04

Instrument :

BNA_F

ClientSampleId :

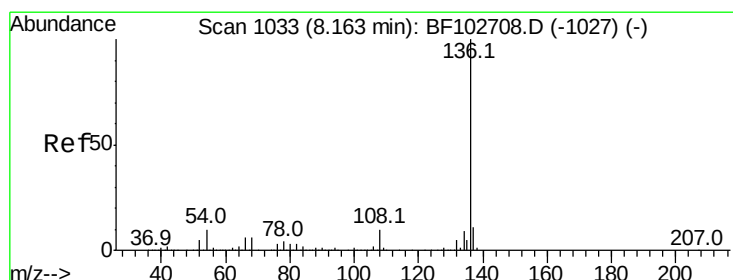
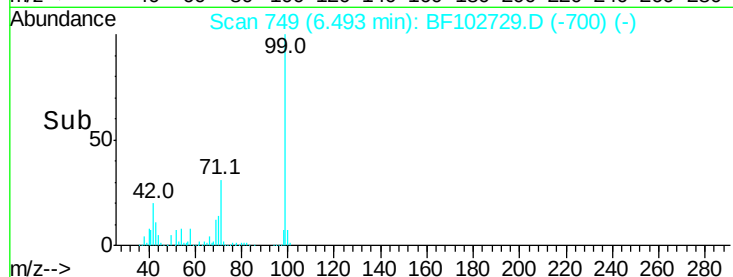
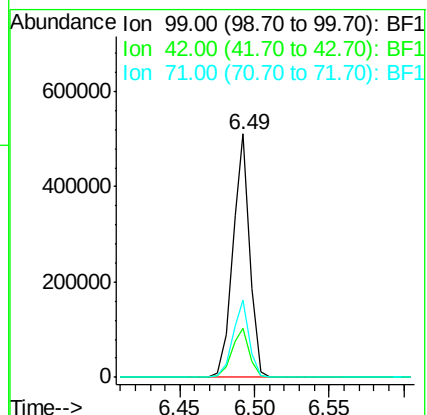
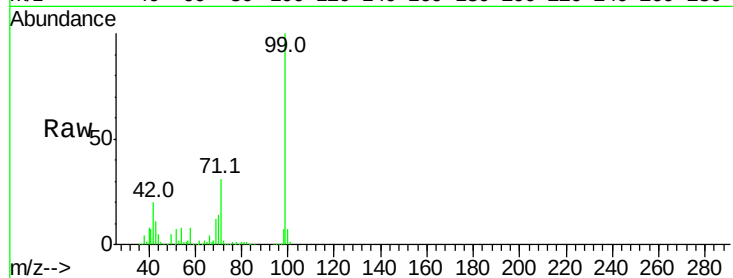
Tot Ion: 99 Resp: 405803

Ion Ratio Lower Upper

99 100

42 20.1 14.5 21.7

71 31.5 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF102729.D

Acq: 5 Feb 2018 11:04

Tgt Ion: 136 Resp: 904600

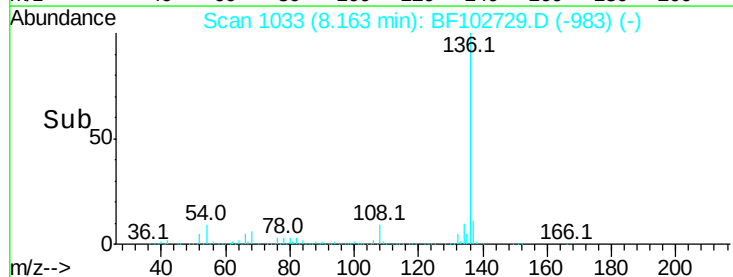
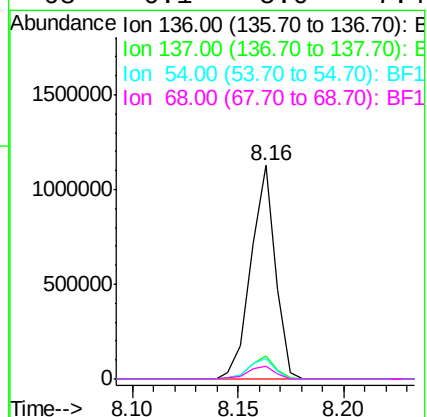
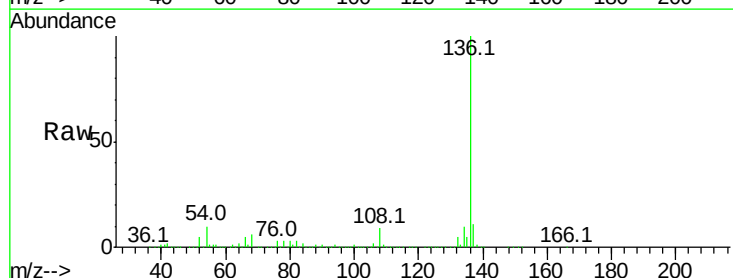
Ion Ratio Lower Upper

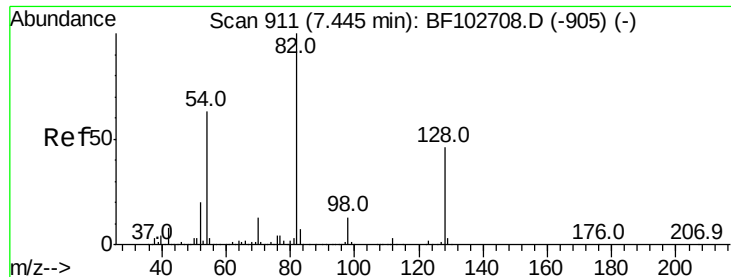
136 100

137 10.7 8.9 13.3

54 9.5 6.6 9.8

68 6.1 5.0 7.4

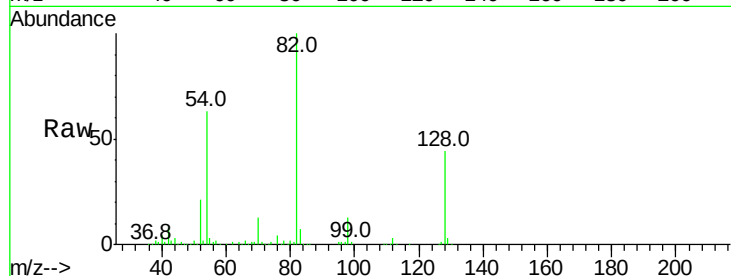




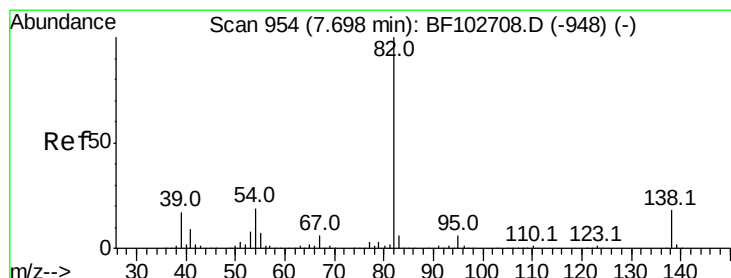
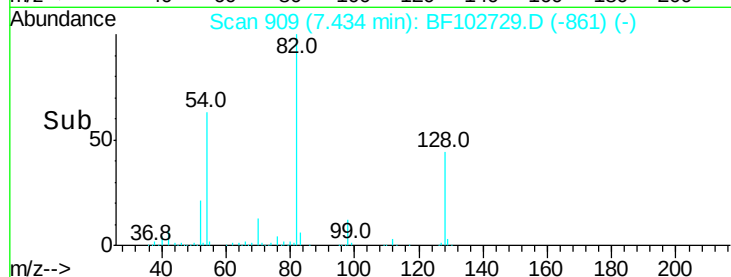
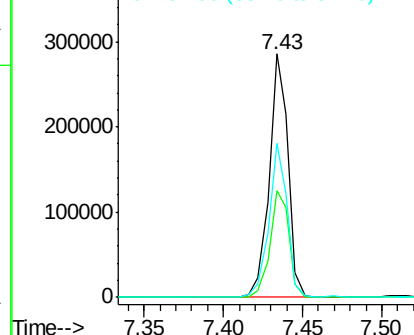
#23
 Nitrobenzene-d5
 Concen: 18.307 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.02 min
 Lab File: BF102729.D
 Acq: 5 Feb 2018 11:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	238730
Ion Ratio	Lower	Upper	
82	100		
128	43.9	36.1	54.1
54	63.0	41.4	62.2#

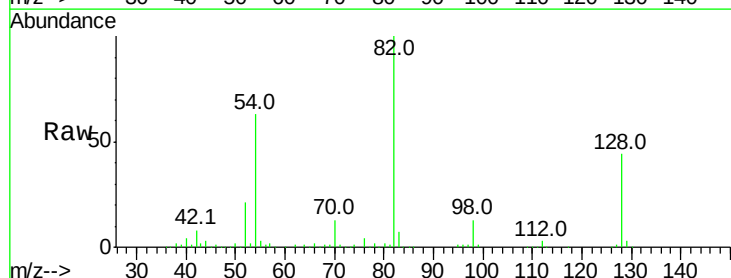


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

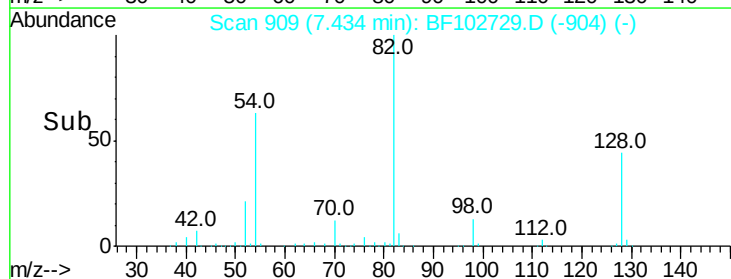
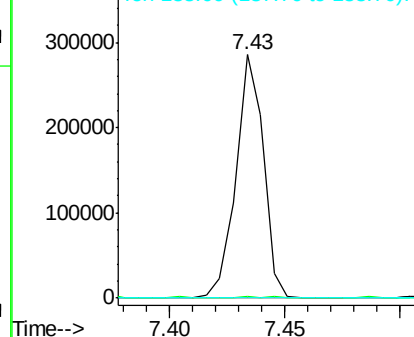


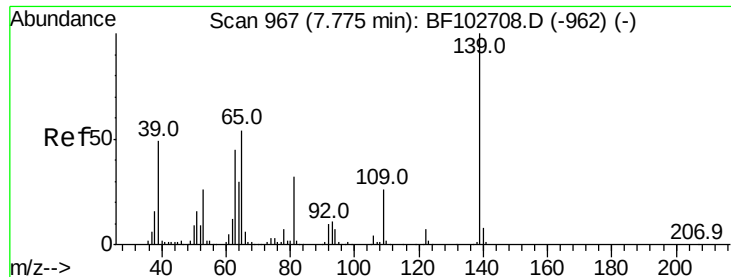
#25
 Isophorone
 Concen: 7.842 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.27 min
 Lab File: BF102729.D
 Acq: 5 Feb 2018 11:04

Tgt Ion	82	Resp	235482
Ion Ratio	Lower	Upper	
82	100		
95	0.5	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

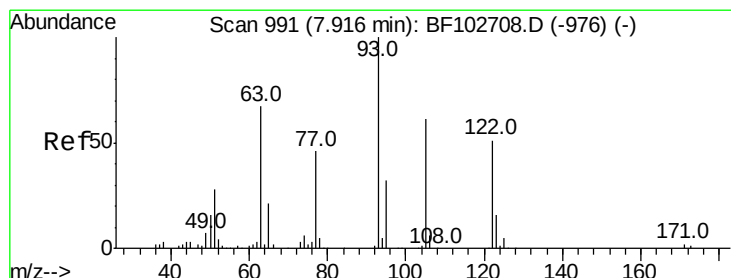
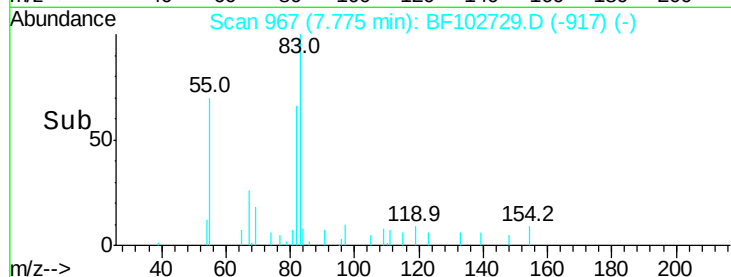
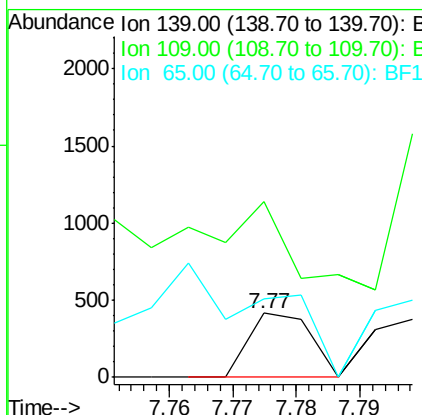
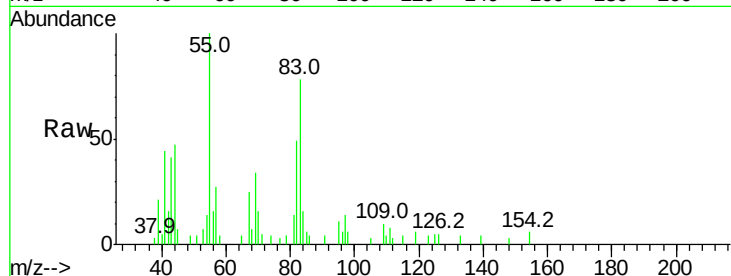




#26
2-Nitrophenol
Concen: 8.702 ng
RT: 7.77 min Scan# 967
Delta R.T. -0.01 min
Lab File: BF102729.D
Acq: 5 Feb 2018 11:04

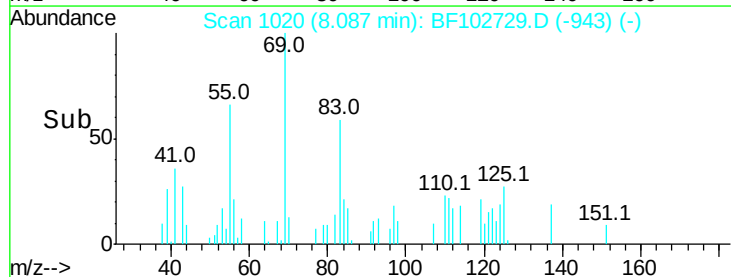
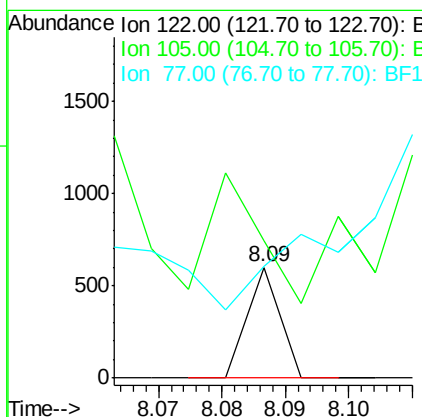
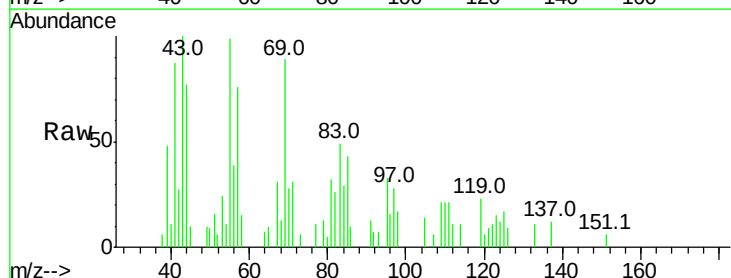
Instrument :
BNA_F
ClientSampled :

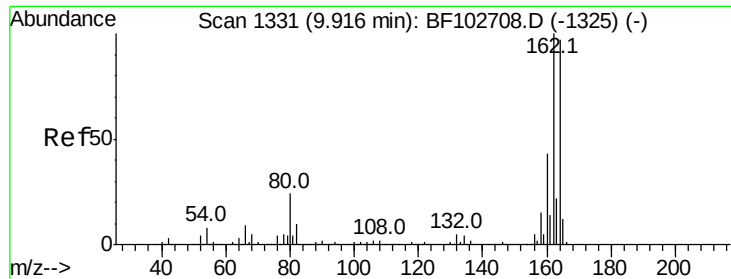
Tot Ion:139 Resp: 278
Ion Ratio Lower Upper
139 100
109 275.8 22.7 34.1#
65 122.0 40.5 60.7#



#32
Benzoic acid
Concen: 8.566 ng
RT: 8.09 min Scan# 1020
Delta R.T. 0.15 min
Lab File: BF102729.D
Acq: 5 Feb 2018 11:04

Tgt Ion:122 Resp: 213
Ion Ratio Lower Upper
122 100
105 124.3 101.1 141.1
77 101.0 70.7 110.7

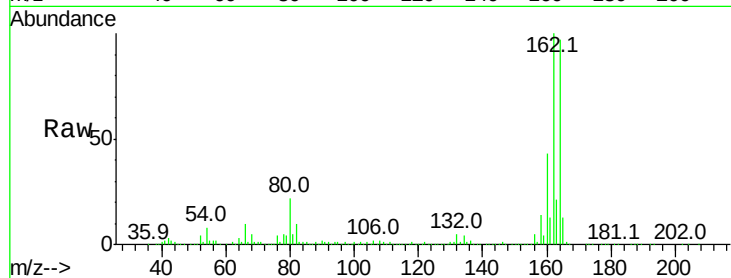




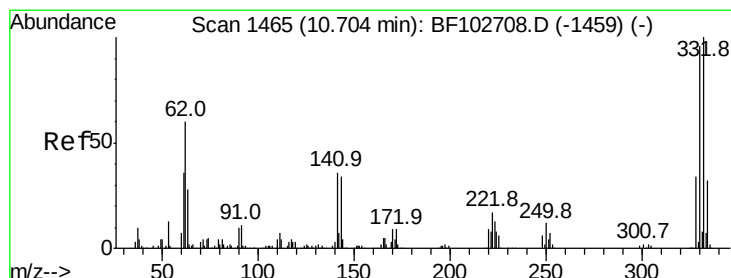
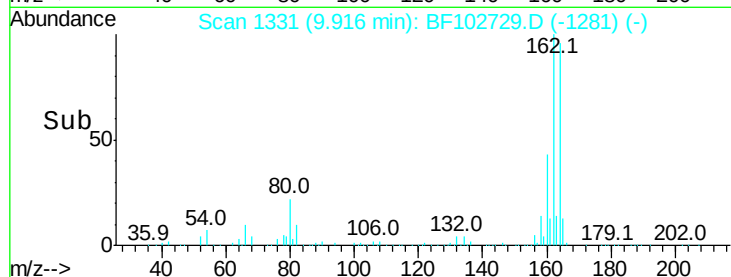
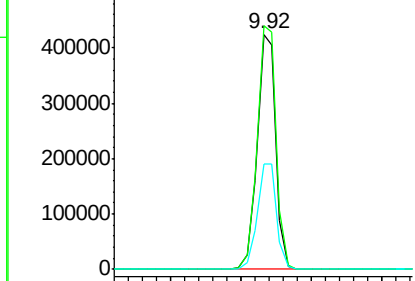
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF102729.D
 Acq: 5 Feb 2018 11:04

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:164 Resp: 395059
 Ion Ratio Lower Upper
 164 100
 162 103.6 86.1 129.1
 160 44.9 38.3 57.5

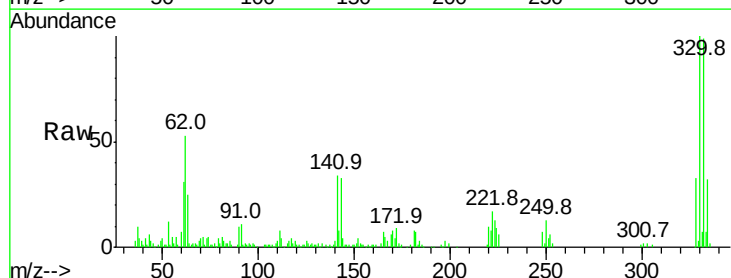


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

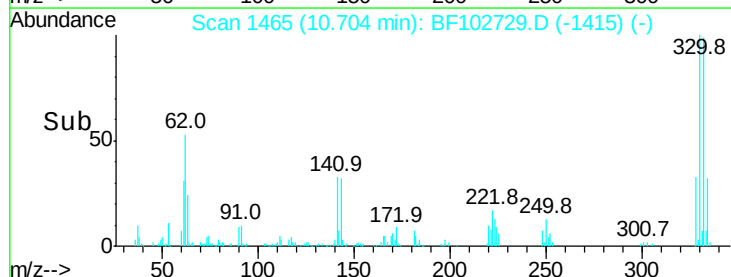
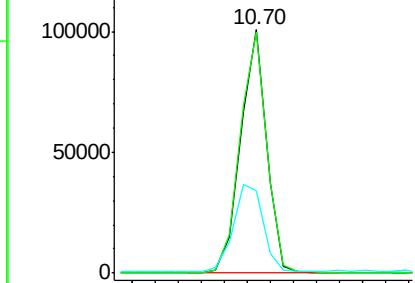


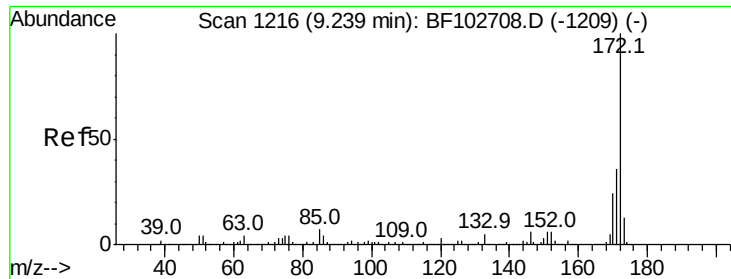
#41
 2,4,6-Tribromophenol
 Concen: 24.960 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF102729.D
 Acq: 5 Feb 2018 11:04

Tgt Ion:330 Resp: 79366
 Ion Ratio Lower Upper
 330 100
 332 101.2 77.0 115.6
 141 41.3 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

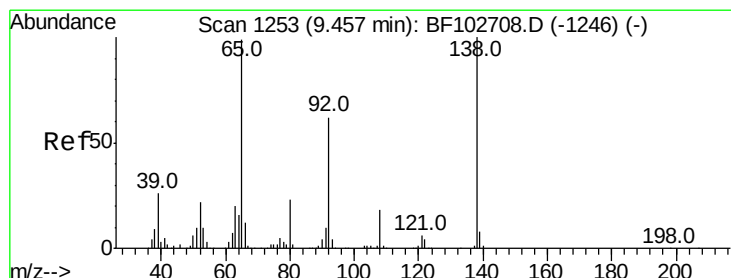
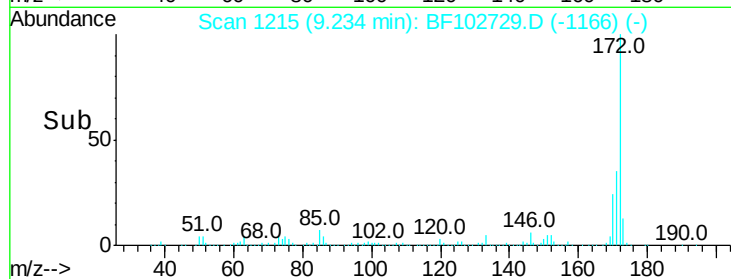
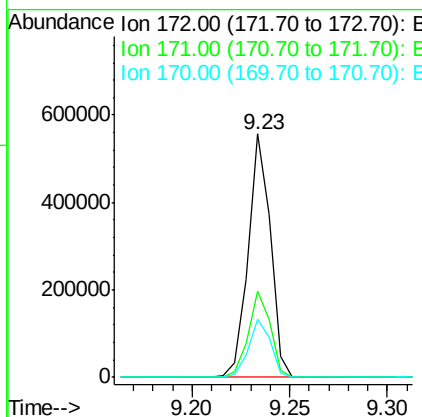
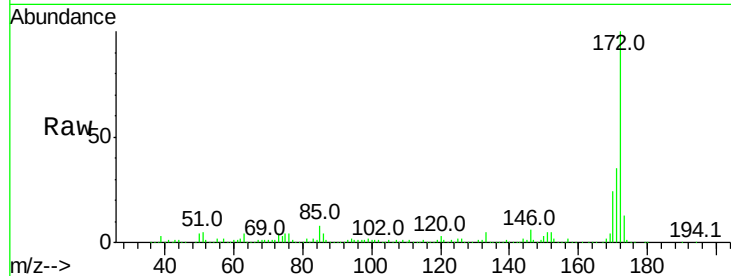




#44
 2-Fluorobiphenyl
 Concen: 18.452 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF102729.D
 Acq: 5 Feb 2018 11:04

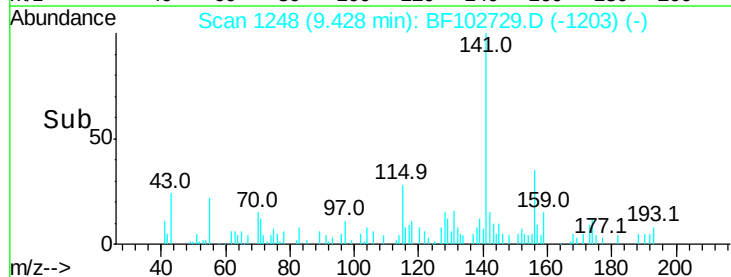
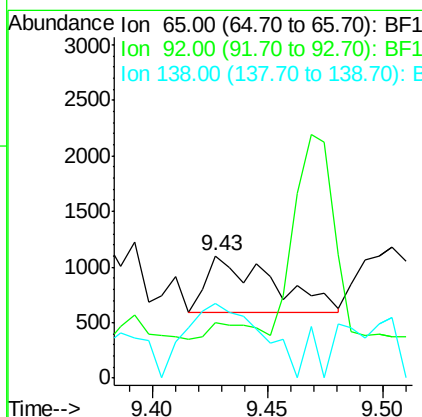
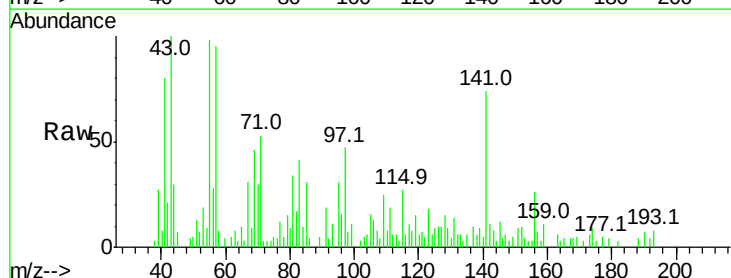
Instrument :
 BNA_F
 ClientSampleId :

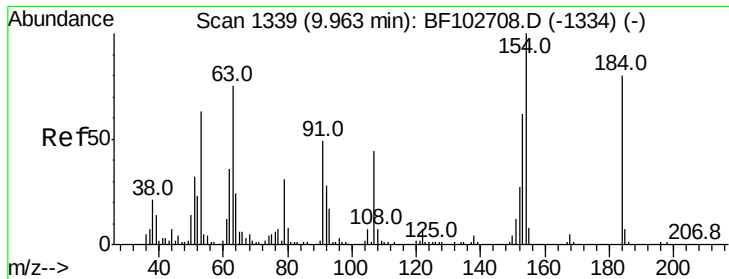
Tot Ion:	172	Resp:	439293
Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.7	44.5
170	23.7	19.6	29.4



#47
 2-Nitroaniline
 Concen: 3.586 ng
 RT: 9.43 min Scan# 1248
 Delta R.T. -0.04 min
 Lab File: BF102729.D
 Acq: 5 Feb 2018 11:04

Tgt Ion:	65	Resp:	993
Ion	Ratio	Lower	Upper
65	100		
92	45.6	55.8	83.6#
138	61.4	91.2	136.8#





#53

2,4-Dinitrophenol

Concen: 8.025 ng

RT: 10.20 min Scan# 1380

Delta R.T. 0.23 min

Lab File: BF102729.D

Acq: 5 Feb 2018 11:04

Instrument :

BNA_F

ClientSampleId :

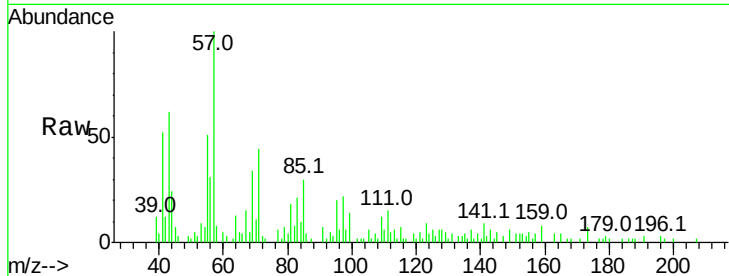
Tot Ion:184 Resp: 112

Ion Ratio Lower Upper

184 100

63 104.4 54.2 81.2#

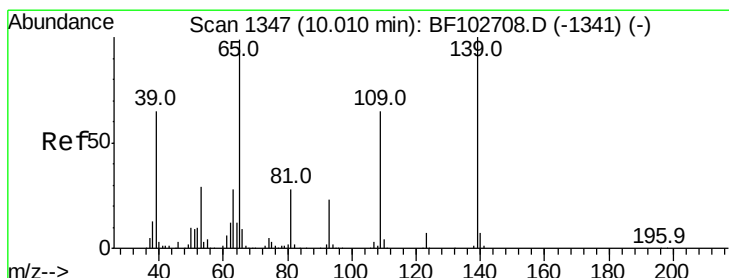
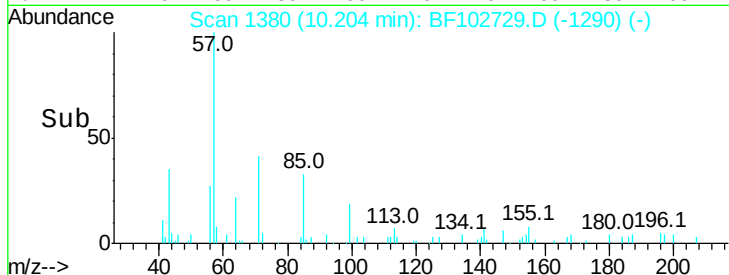
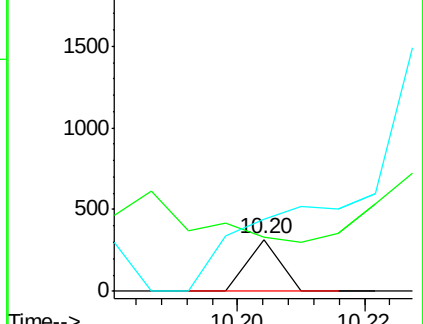
154 137.7 184.0 276.0#



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



#55

4-Nitrophenol

Concen: 4.123 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF102729.D

Acq: 5 Feb 2018 11:04

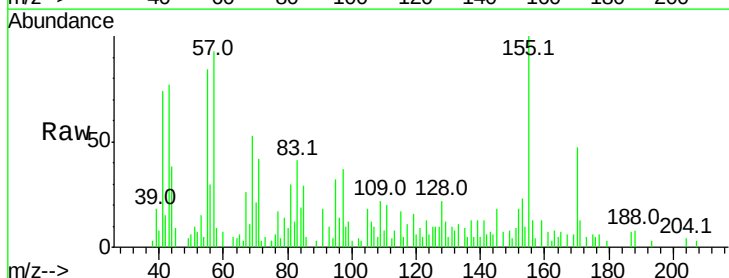
Tgt Ion:139 Resp: 619

Ion Ratio Lower Upper

139 100

109 165.7 48.4 88.4#

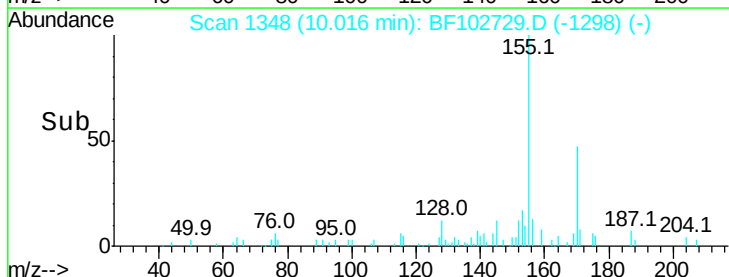
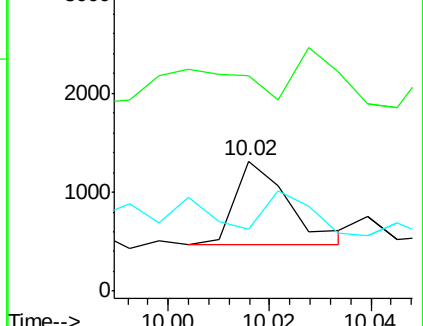
65 47.9 72.6 112.6#

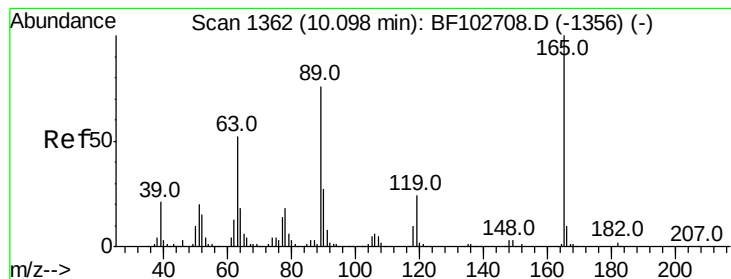


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#56

2,4-Dinitrotoluene

Concen: 9.608 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.19 min

Lab File: BF102729.D

Acq: 5 Feb 2018 11:04

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 54862

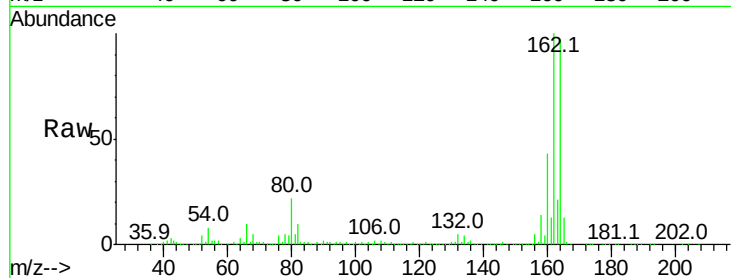
Ion Ratio Lower Upper

165 100

63 2.1 36.4 54.6#

89 2.2 57.8 86.6#

182 0.7 1.6 2.4#

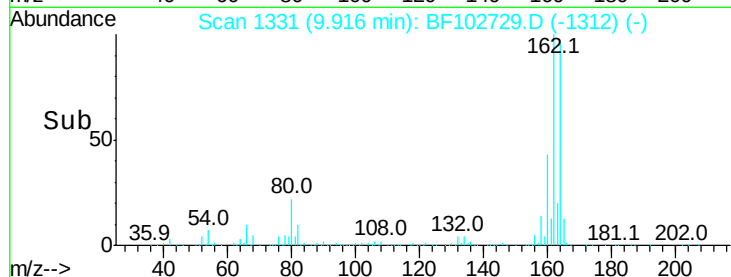


Abundance Ion 165.00 (164.70 to 165.70): E

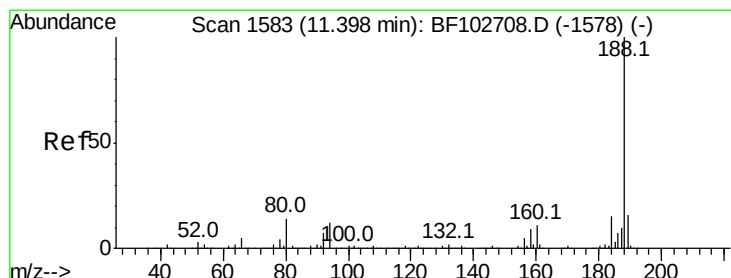
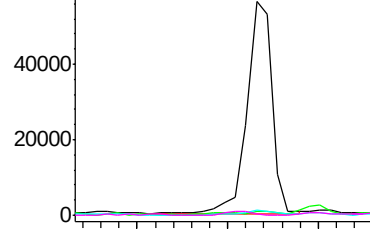
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



Time-->



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF102729.D

Acq: 5 Feb 2018 11:04

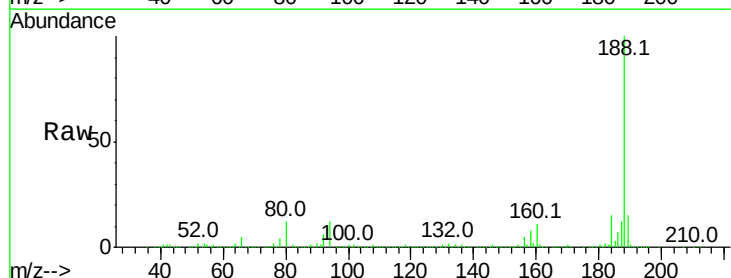
Tgt Ion:188 Resp: 633633

Ion Ratio Lower Upper

188 100

94 11.6 8.5 12.7

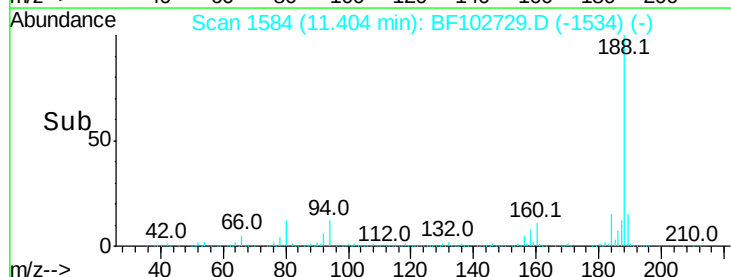
80 12.4 9.2 13.8



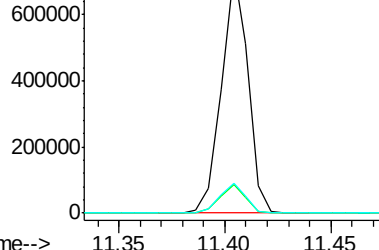
Abundance Ion 188.00 (187.70 to 188.70): E

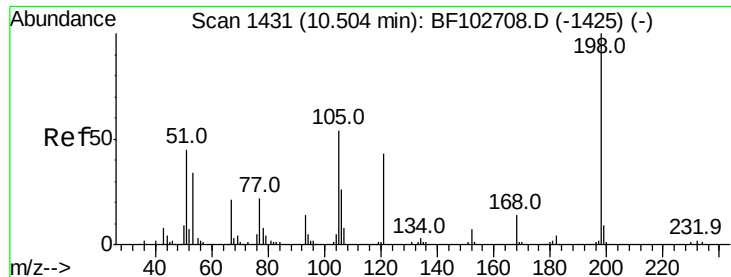
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



Time-->





#64

4,6-Dinitro-2-methylphenol

Concen: 8.928 ng

RT: 10.74 min Scan# 1471

Delta R.T. 0.22 min

Lab File: BF102729.D

Acq: 5 Feb 2018 11:04

Instrument :

BNA_F

ClientSampled :

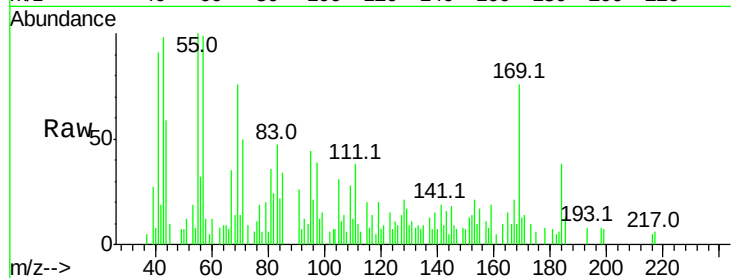
Tot Ion:198 Resp: 386

Ion Ratio Lower Upper

198 100

51 164.2 37.7 77.7#

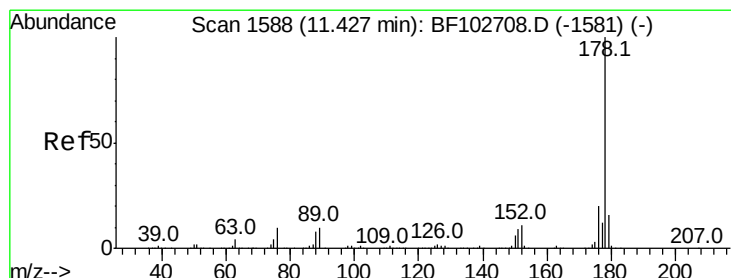
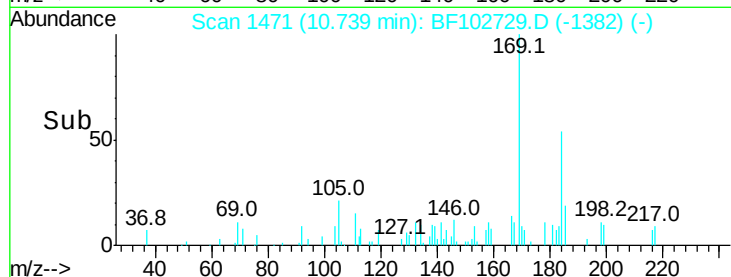
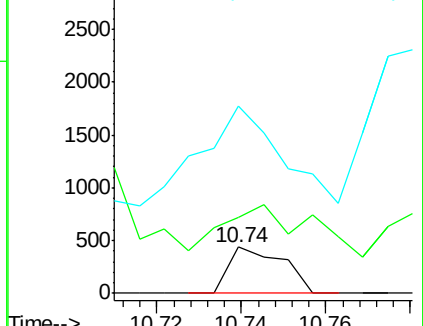
105 405.5 36.3 76.3#



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



#70

Phenanthrene

Concen: 9.177 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF102729.D

Acq: 5 Feb 2018 11:04

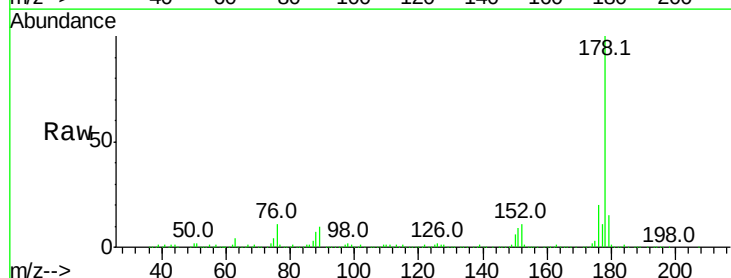
Tgt Ion:178 Resp: 323857

Ion Ratio Lower Upper

178 100

176 20.1 15.8 23.8

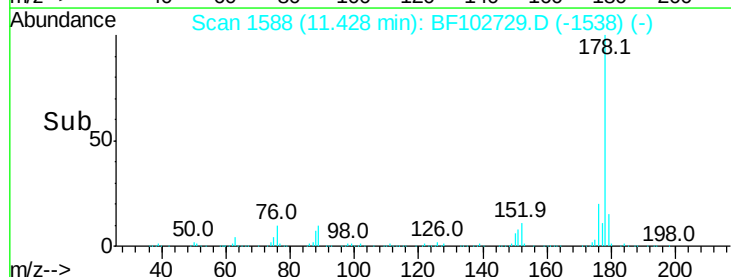
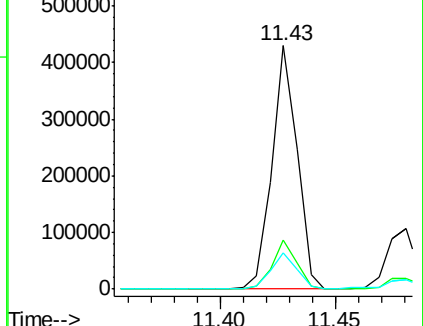
179 15.1 13.0 19.6

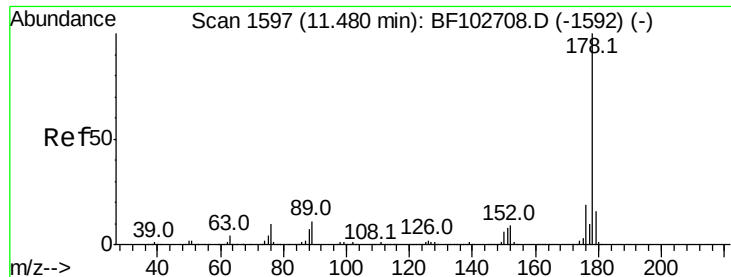


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

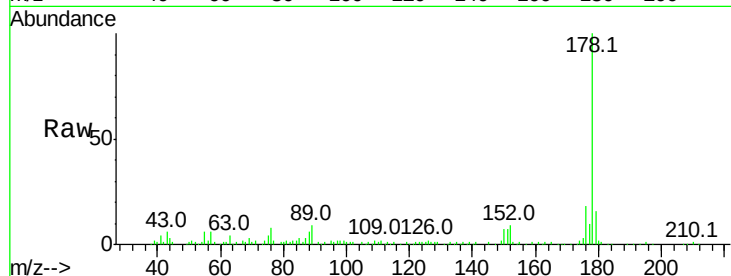




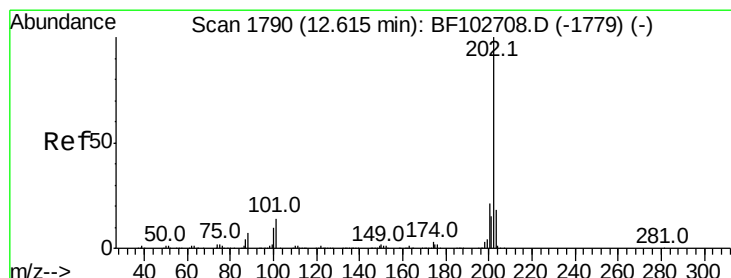
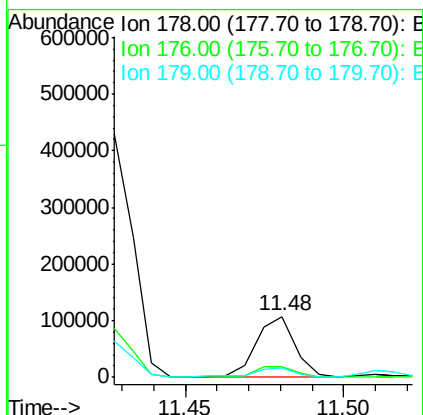
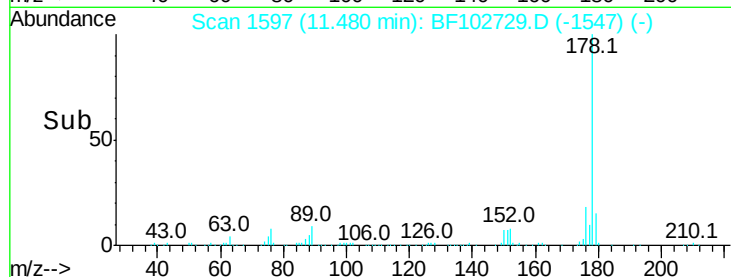
#71
 Anthracene
 Concen: 2.504 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF102729.D
 Acq: 5 Feb 2018 11:04

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:178 Resp: 89870
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.4 23.2
 179 15.7 12.6 19.0

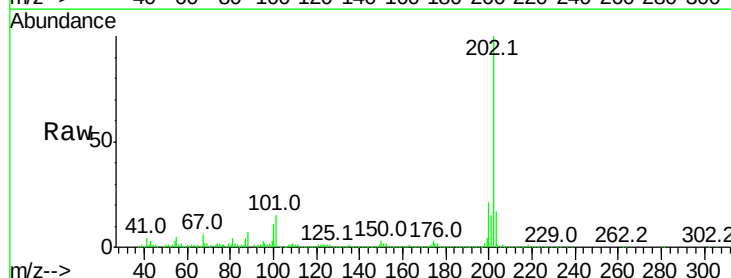


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

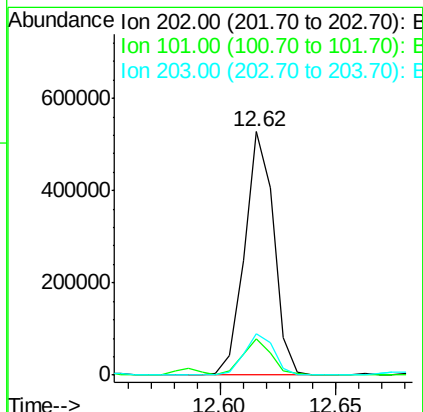
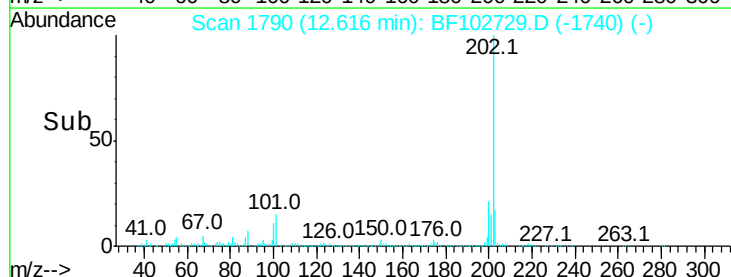


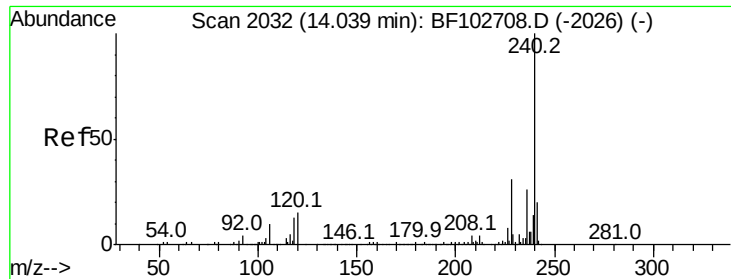
#74
 Fluoranthene
 Concen: 13.012 ng
 RT: 12.62 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: BF102729.D
 Acq: 5 Feb 2018 11:04

Tgt Ion:202 Resp: 461980
 Ion Ratio Lower Upper
 202 100
 101 14.7 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: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF102729.D

Acq: 5 Feb 2018 11:04

Instrument :

BNA_F

ClientSampleId :

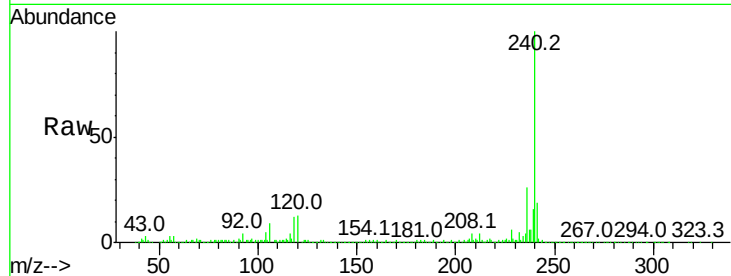
Tot Ion:240 Resp: 393954

Ion Ratio Lower Upper

240 100

120 13.3 9.5 14.3

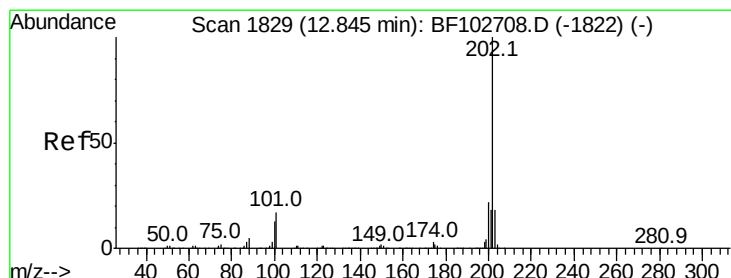
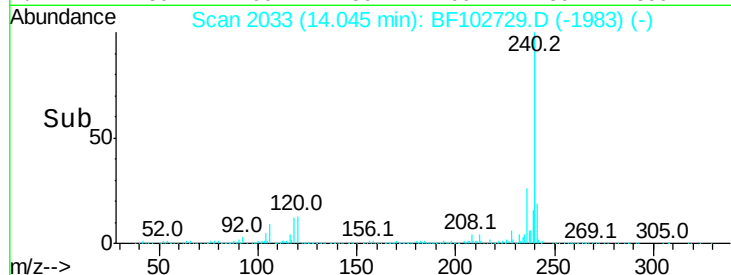
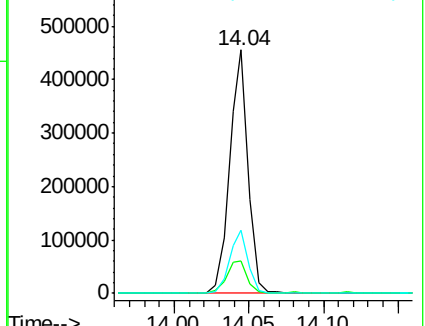
236 25.8 20.7 31.1



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: 14.019 ng

RT: 12.85 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF102729.D

Acq: 5 Feb 2018 11:04

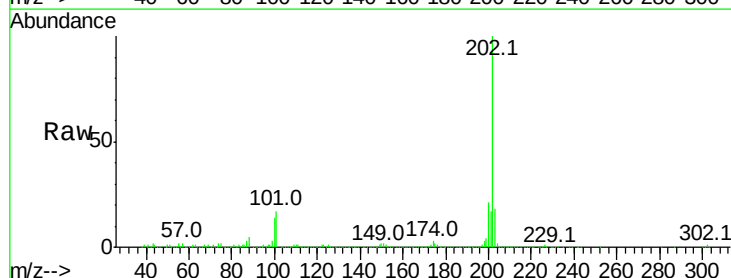
Tgt Ion:202 Resp: 433076

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

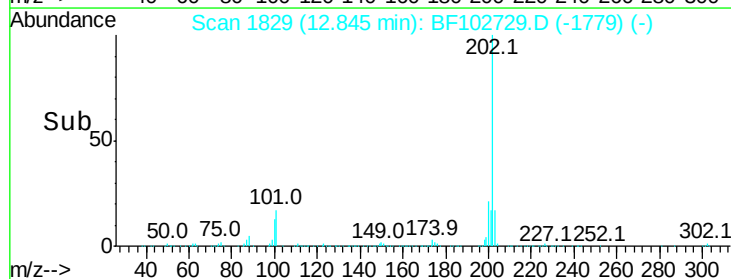
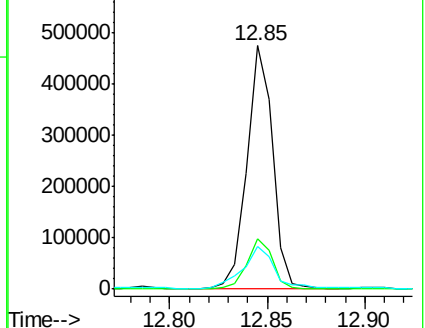
203 17.6 14.3 21.5

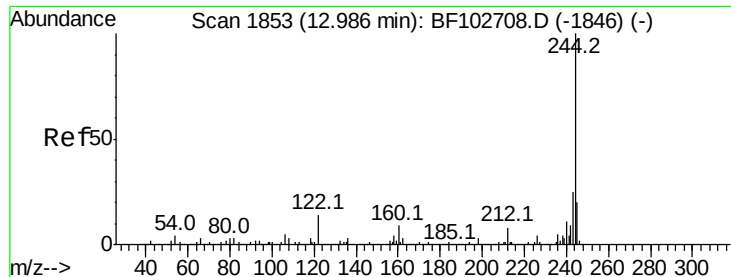


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 19.035 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF102729.D

Acq: 5 Feb 2018 11:04

Instrument :

BNA_F

ClientSampleId :

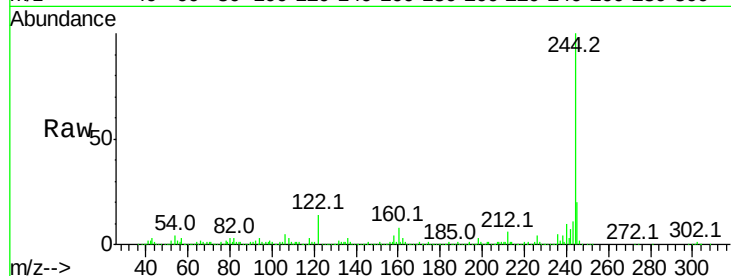
Tot Ion:244 Resp: 316702

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

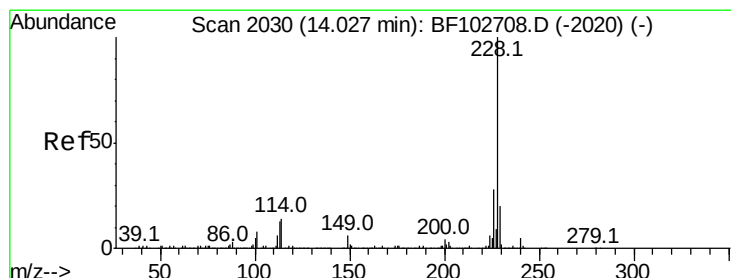
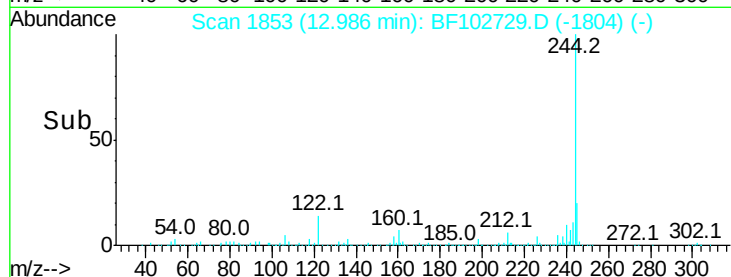
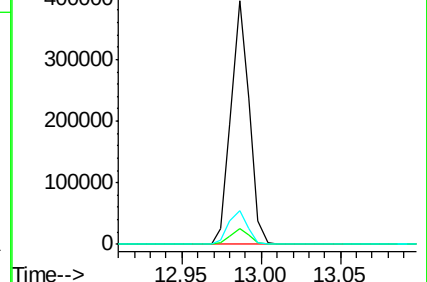
122 14.0 11.0 16.4



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: 7.299 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF102729.D

Acq: 5 Feb 2018 11:04

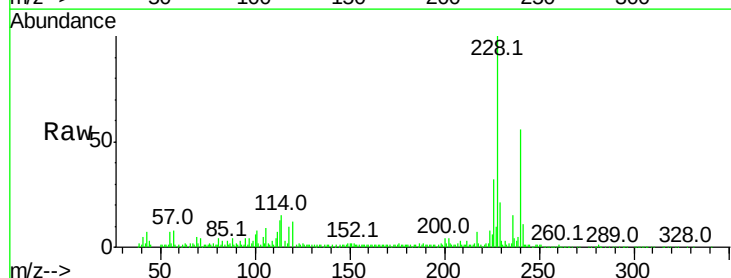
Tgt Ion:228 Resp: 180843

Ion Ratio Lower Upper

228 100

226 32.3 22.6 33.8

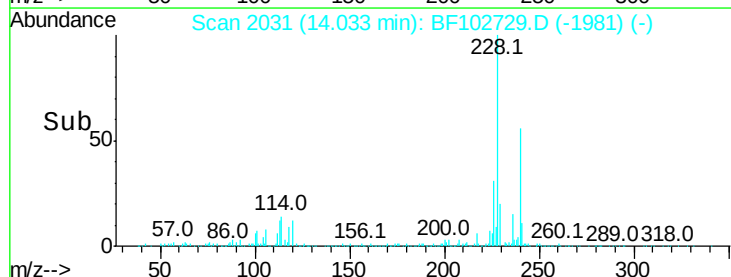
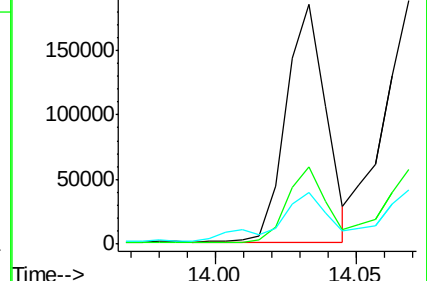
229 21.3 15.8 23.6

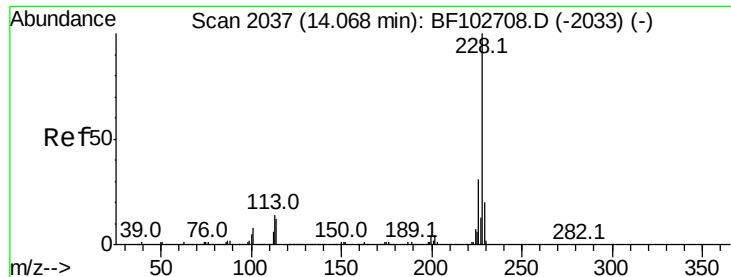


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 7.162 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF102729.D

Acq: 5 Feb 2018 11:04

Instrument :

BNA_F

ClientSampled :

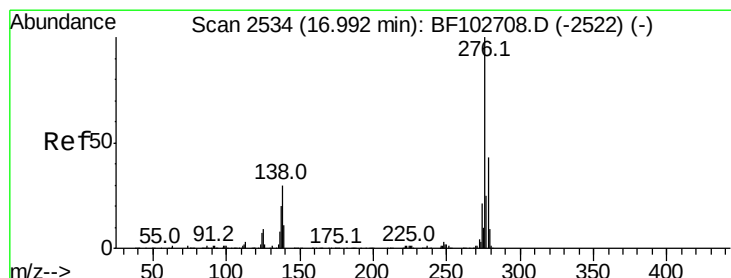
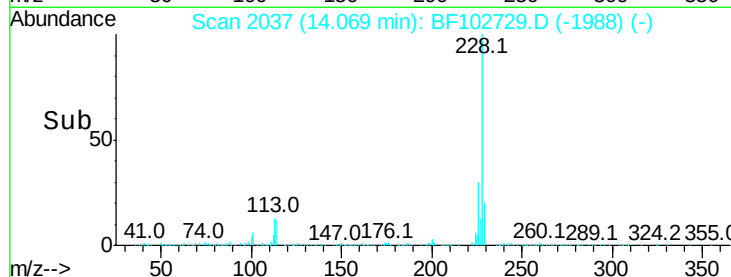
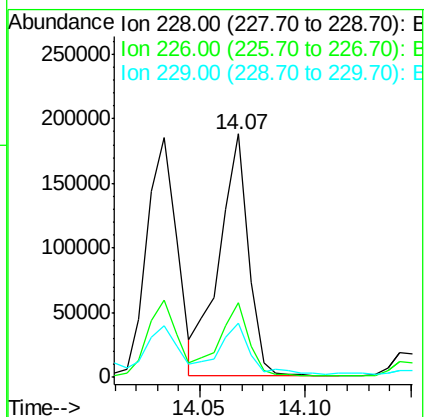
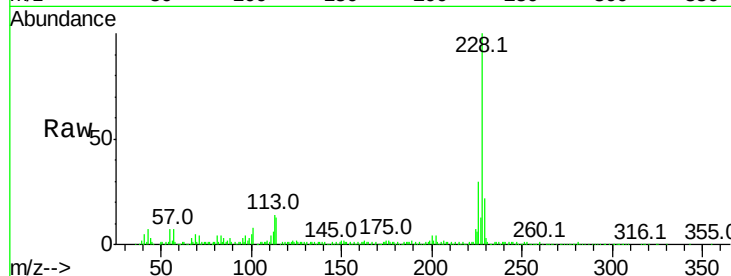
Tot Ion:228 Resp: 178869

Ion Ratio Lower Upper

228 100

226 30.5 25.0 37.6

229 22.1 16.2 24.4



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.452 ng

RT: 17.00 min Scan# 2536

Delta R.T. -0.01 min

Lab File: BF102729.D

Acq: 5 Feb 2018 11:04

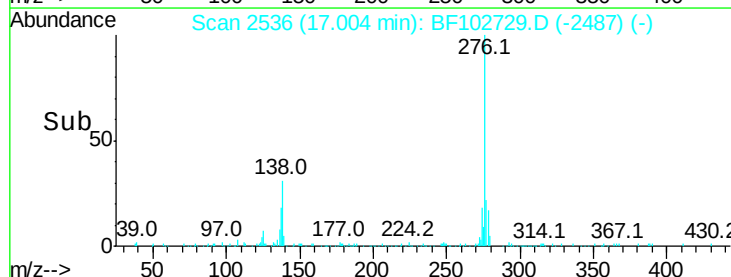
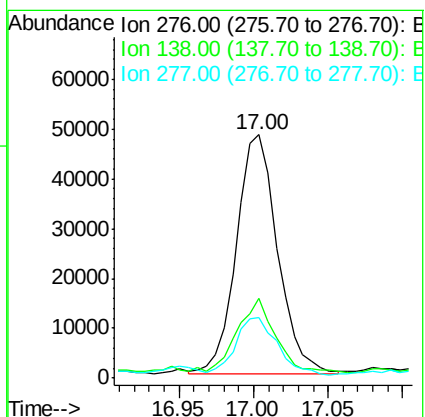
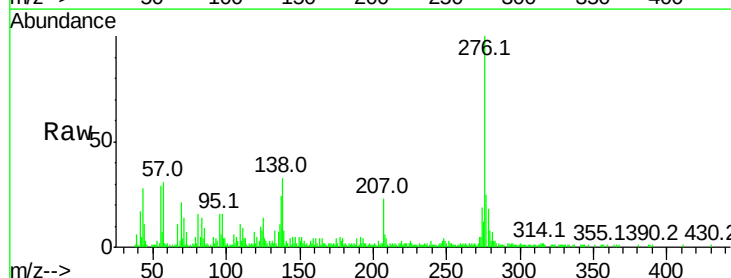
Tgt Ion:276 Resp: 92223

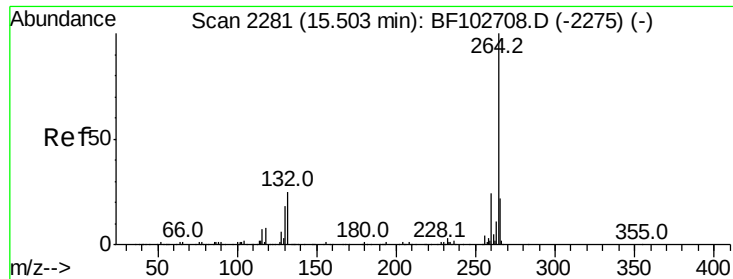
Ion Ratio Lower Upper

276 100

138 28.7 25.0 37.6

277 24.5 20.1 30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2284

Delta R.T. -0.01 min

Lab File: BF102729.D

Acq: 5 Feb 2018 11:04

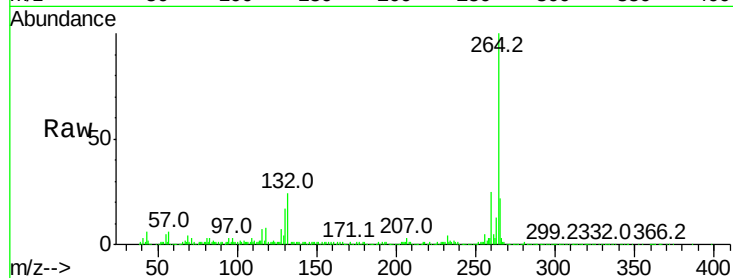
Instrument :

BNA_F

ClientSampleId :

Tot Ion:264 Resp: 382229

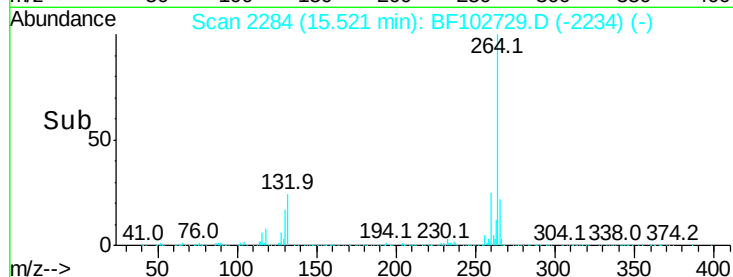
Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.2	28.8
265	22.1	17.5	26.3



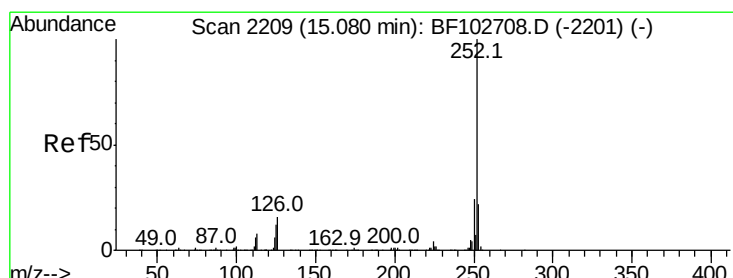
Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



Time-->



#87

Benzo(b)fluoranthene

Concen: 12.034 ng

RT: 15.09 min Scan# 2210

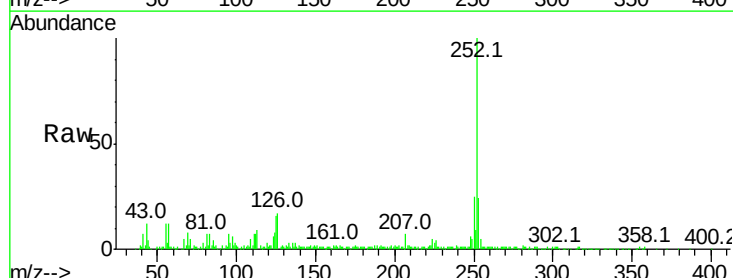
Delta R.T. -0.01 min

Lab File: BF102729.D

Acq: 5 Feb 2018 11:04

Tgt Ion:252 Resp: 298209

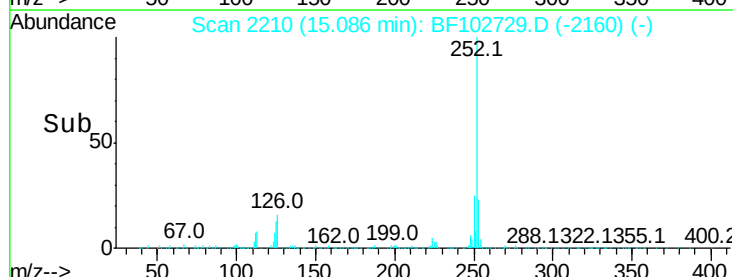
Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.6
125	15.9	9.0	13.6



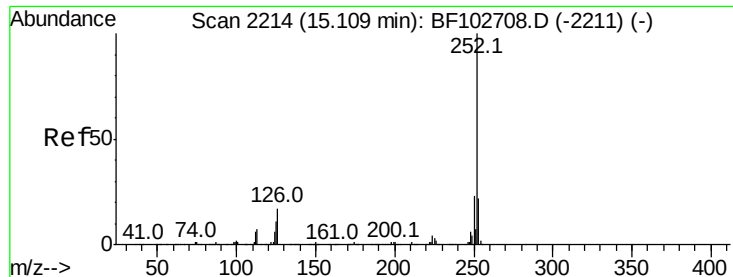
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



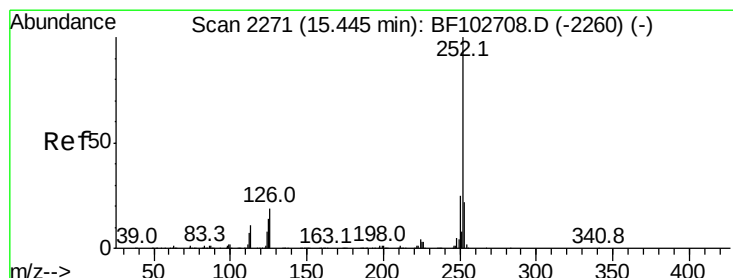
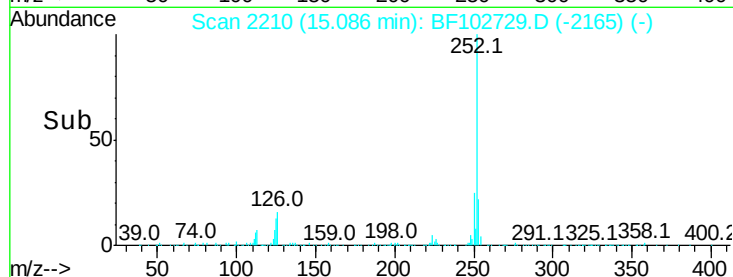
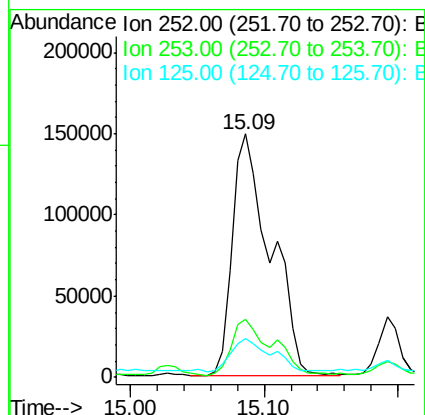
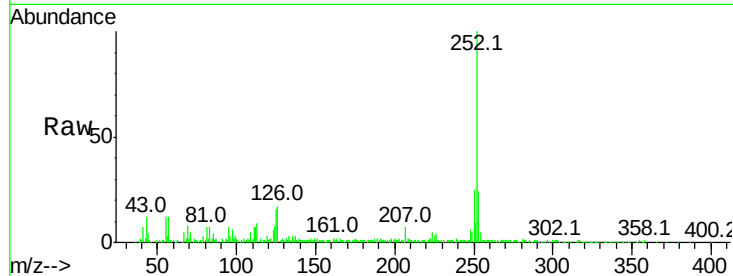
Time-->



#88
Benzo(k)fluoranthene
Concen: 12.594 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.04 min
Lab File: BF102729.D
Acq: 5 Feb 2018 11:04

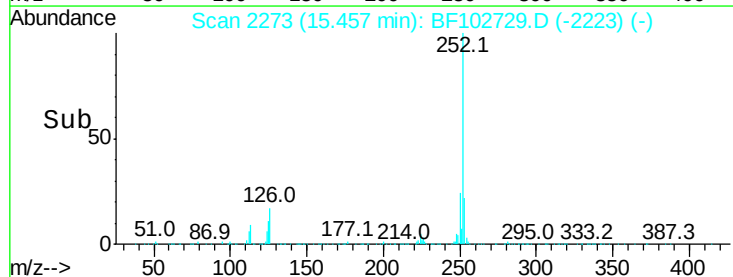
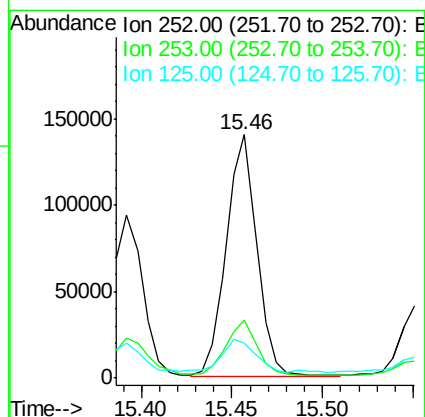
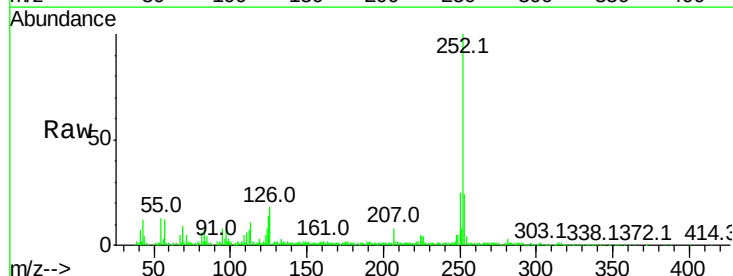
Instrument :
BNA_F
ClientSampleId :

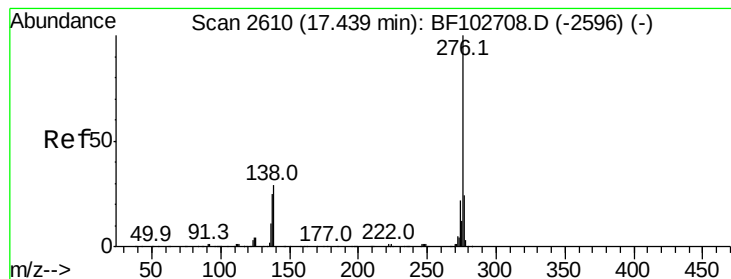
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	15.9	10.2	15.2



#89
Benzo(a)pyrene
Concen: 7.394 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.01 min
Lab File: BF102729.D
Acq: 5 Feb 2018 11:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	14.2	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 5.144 ng

RT: 17.46 min Scan# 2613

Delta R.T. -0.02 min

Lab File: BF102729.D

Acq: 5 Feb 2018 11:04

Instrument :

BNA_F

ClientSampleId :

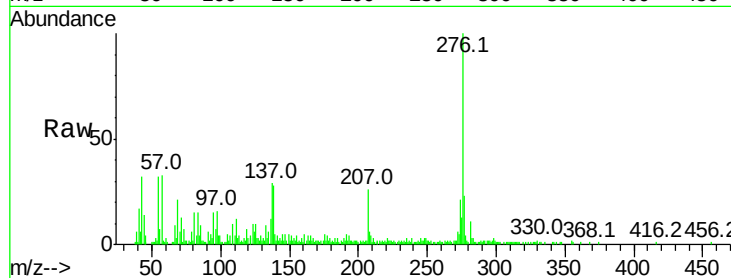
Tot Ion:276 Resp: 91159

Ion Ratio Lower Upper

276 100

277 22.9 17.9 26.9

138 27.9 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

