

Data Path : U:\HPCHEM1\BNA F\DATA\BF011818\
 Data File : BF102200.D
 Acq On : 18 Jan 2018 19:13
 Operator : SJ/JU
 Sample : J1168-08 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 19 00:14:55 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 17 15:28:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	164026	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	647923	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	277243	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	425207	20.00	ng	0.00
75) Chrysene-d12	13.87	240	281713	20.00	ng	0.00
86) Perylene-d12	15.29	264	263277	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	510956	43.99	ng	0.00
7) Phenol-d6	6.35	99	611433	44.12	ng	0.00
23) Nitrobenzene-d5	7.28	82	368715	33.44	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	115800	47.86	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	680006	38.32	ng	0.00
78) Terphenyl-d14	12.82	244	457083	33.69	ng	0.00

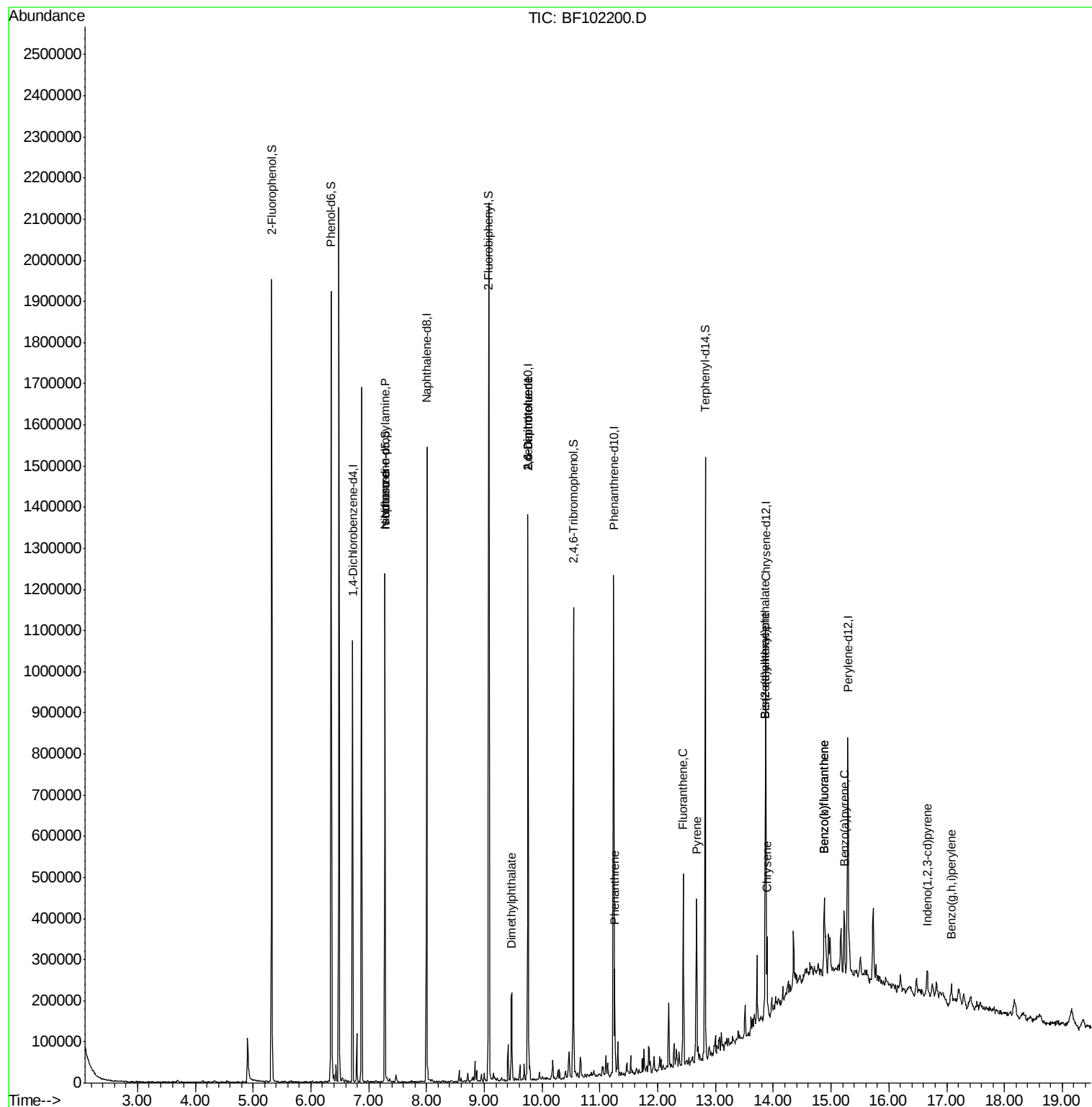
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.28	70	50016	5.507	ng	# 76
25) Isophorone	7.28	82	364864	16.748	ng	# 64
49) Dimethylphthalate	9.47	163	89539	4.026	ng	99
50) 2,6-Dinitrotoluene	9.76	165	34593	7.787	ng	# 26
56) 2,4-Dinitrotoluene	9.76	165	34593	6.213	ng	# 24
70) Phenanthrene	11.26	178	90886	3.659	ng	98
74) Fluoranthene	12.44	202	163307	6.683	ng	97
77) Pyrene	12.67	202	147755	5.934	ng	98
80) Benzo(a)anthracene	13.86	228	74063	4.121	ng	97
82) Chrysene	13.89	228	69056	3.685	ng	97
83) Bis(2-ethylhexyl)phthalate	13.86	149	30560	2.331	ng	97
85) Indeno(1,2,3-cd)pyrene	16.66	276	34488	2.528	ng	98
87) Benzo(b)fluoranthene	14.88	252	122231	7.120	ng	# 92
88) Benzo(k)fluoranthene	14.88	252	122231	7.381	ng	# 95
89) Benzo(a)pyrene	15.23	252	64822	4.196	ng	# 91
91) Benzo(g,h,i)perylene	17.08	276	36018	2.901	ng	93

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

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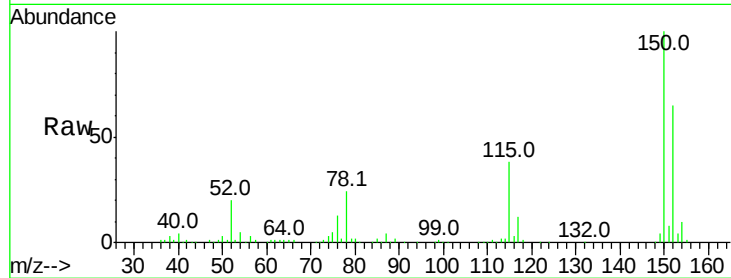


#1

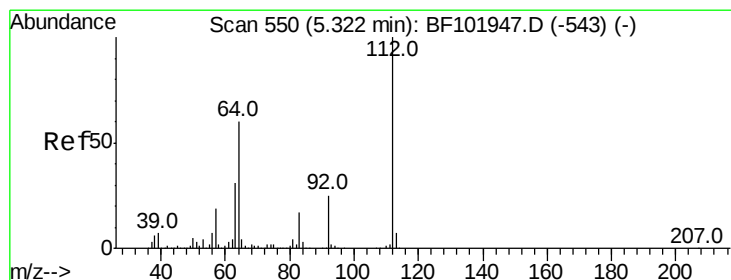
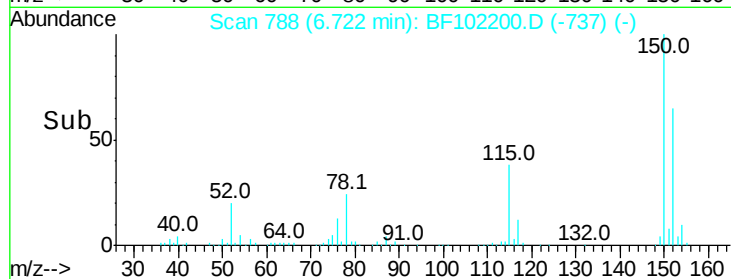
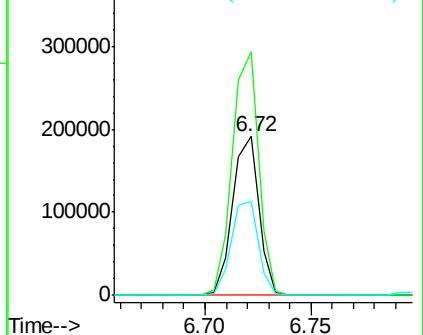
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.00 min
Lab File: BF102200.D
Acq: 18 Jan 2018 19:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 164026
Ion Ratio Lower Upper
152 100
150 153.1 124.6 186.8
115 58.7 50.1 75.1



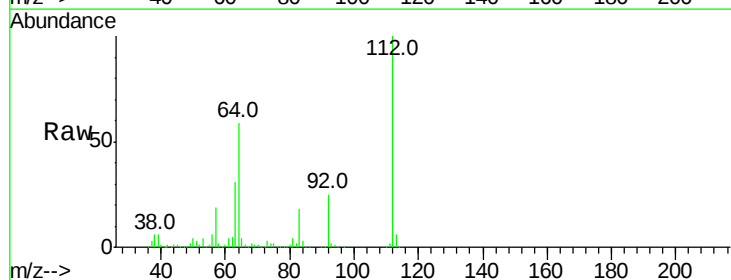
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



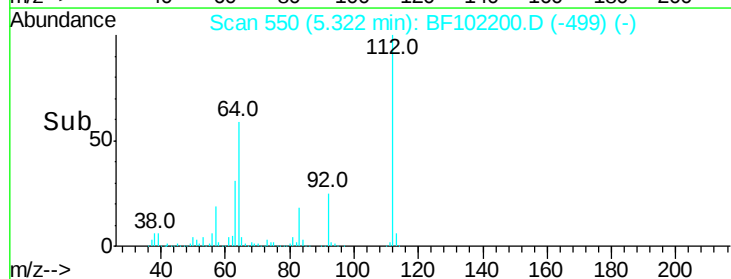
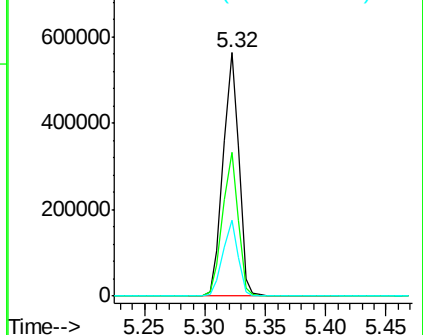
#5

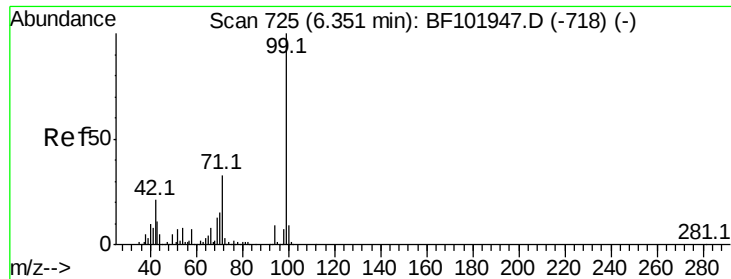
2-Fluorophenol
Concen: 43.988 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.00 min
Lab File: BF102200.D
Acq: 18 Jan 2018 19:13

Tgt Ion:112 Resp: 510956
Ion Ratio Lower Upper
112 100
64 59.1 47.9 71.9
63 31.1 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: 44.118 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF102200.D

Acq: 18 Jan 2018 19:13

Instrument :

BNA_F

ClientSampleId :

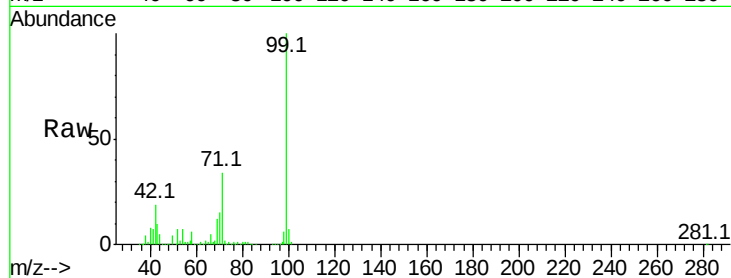
Tot Ion: 99 Resp: 611433

Ion Ratio Lower Upper

99 100

42 19.4 14.5 21.7

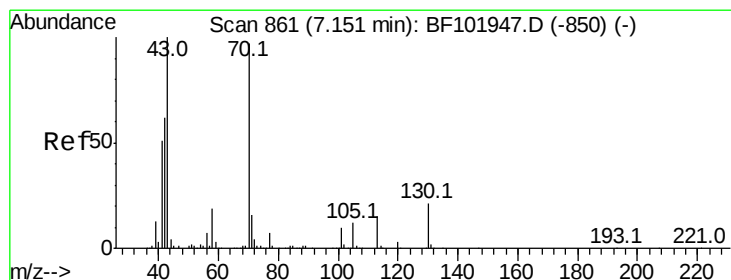
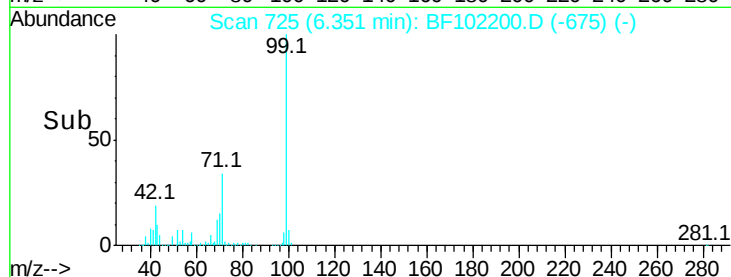
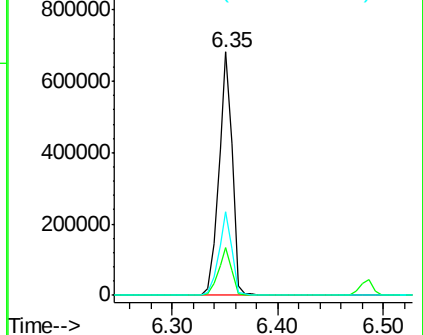
71 34.2 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.507 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.14 min

Lab File: BF102200.D

Acq: 18 Jan 2018 19:13

Tgt Ion: 70 Resp: 50016

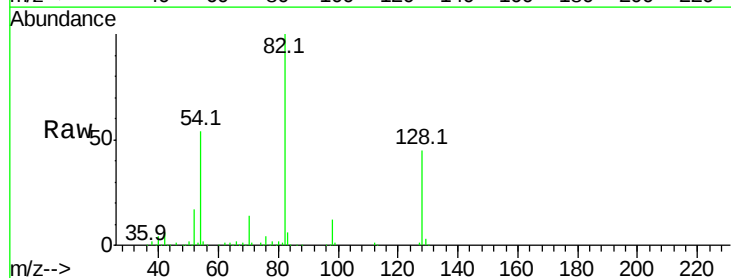
Ion Ratio Lower Upper

70 100

42 46.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

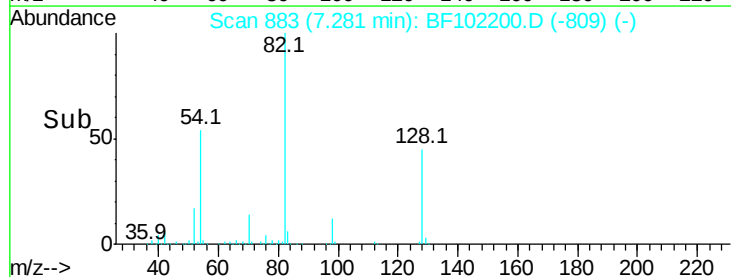
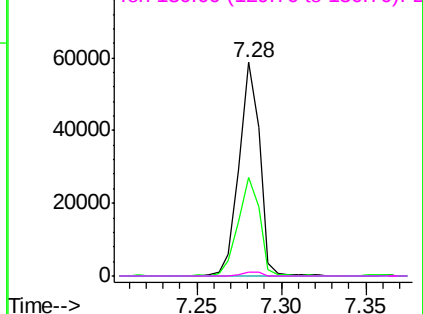


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

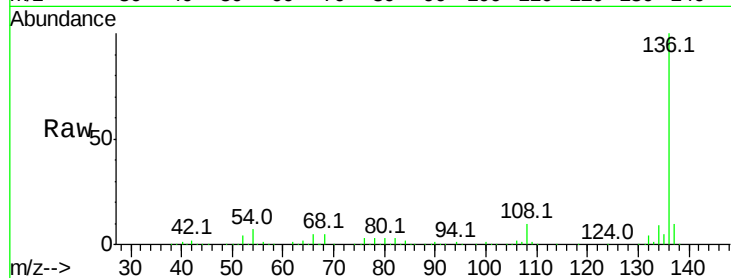




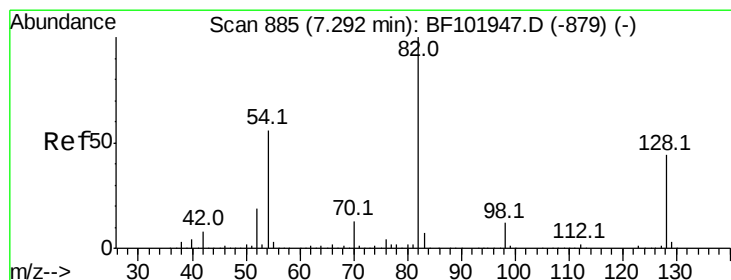
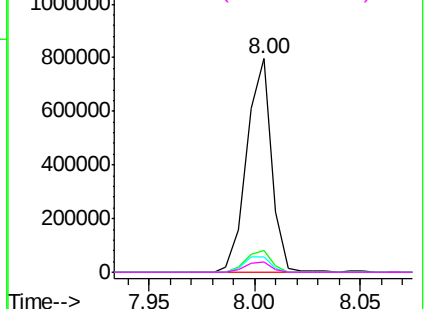
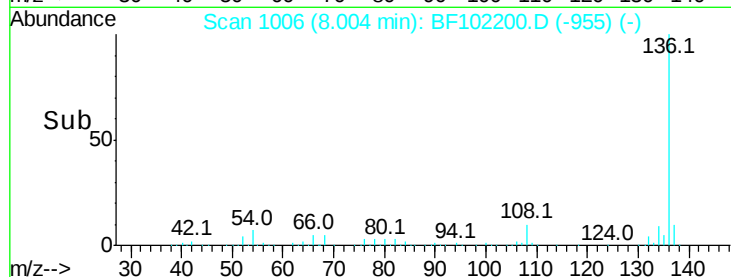
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.00 min
Lab File: BF102200.D
Acq: 18 Jan 2018 19:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	647923
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.9	13.3
54	7.2	6.6	9.8
68	4.8	5.0	7.4#

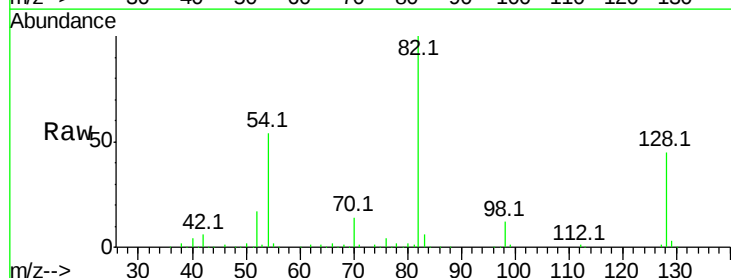


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

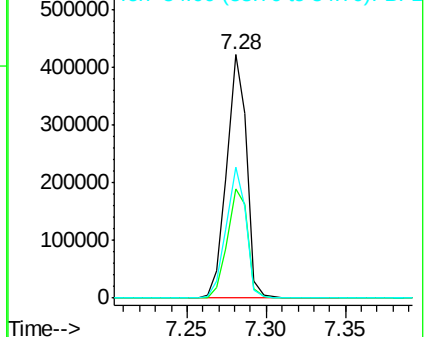
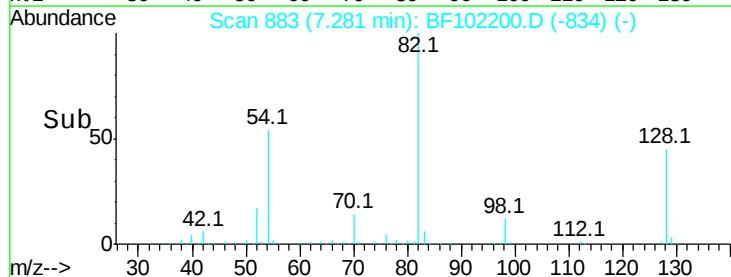


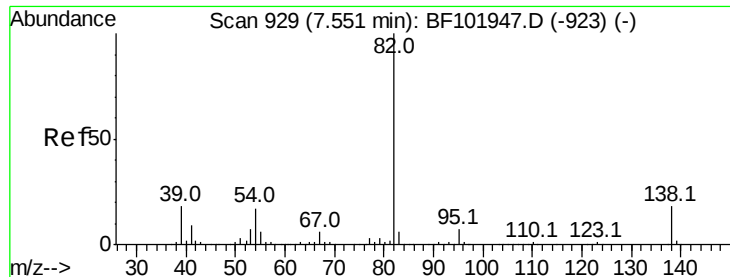
#23
Nitrobenzene-d5
Concen: 33.441 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF102200.D
Acq: 18 Jan 2018 19:13

Tgt Ion:	82	Resp:	368715
Ion	Ratio	Lower	Upper
82	100		
128	44.6	36.1	54.1
54	54.0	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





#25

Isophorone

Concen: 16.748 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.27 min

Lab File: BF102200.D

Acq: 18 Jan 2018 19:13

Instrument :

BNA_F

ClientSampleId :

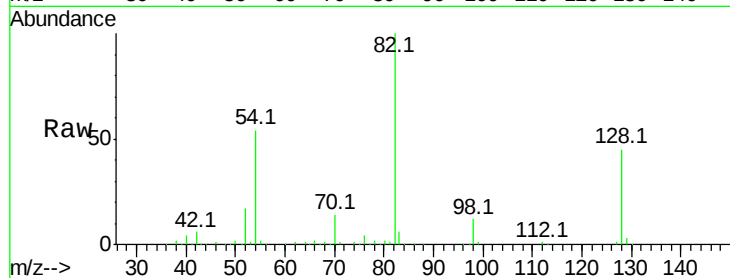
Tot Ion: 82 Resp: 364864

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

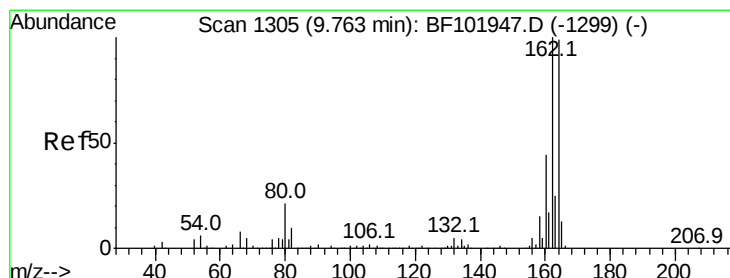
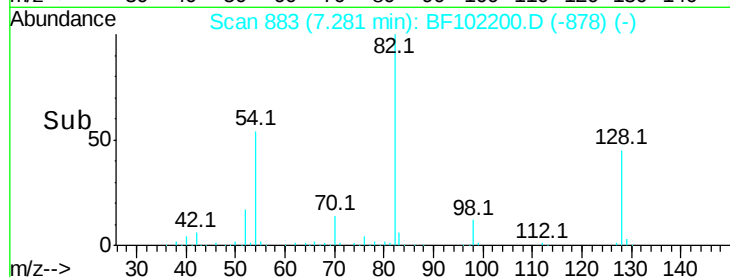
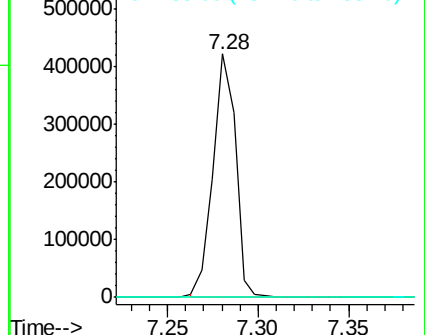
138 0.0 14.9 22.3#



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: 9.76 min Scan# 1304

Delta R.T. -0.00 min

Lab File: BF102200.D

Acq: 18 Jan 2018 19:13

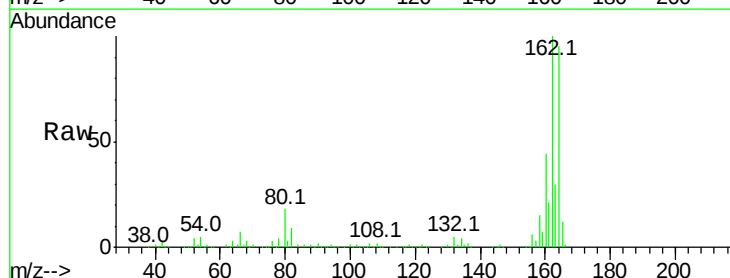
Tgt Ion:164 Resp: 277243

Ion Ratio Lower Upper

164 100

162 104.7 86.1 129.1

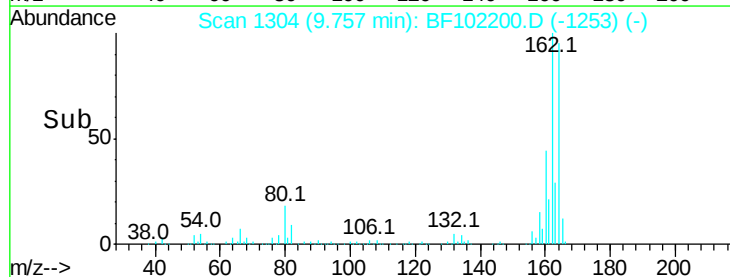
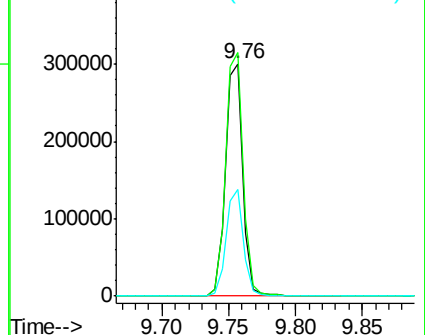
160 46.1 38.3 57.5

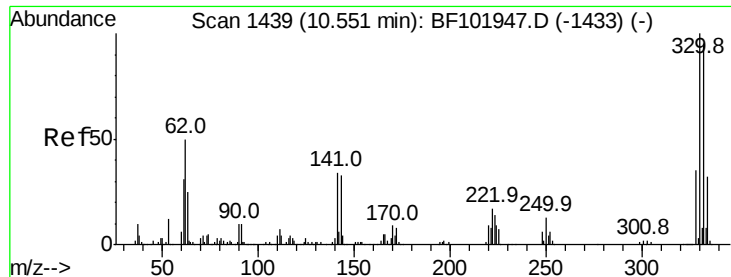


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





#41

2,4,6-Tribromophenol

Concen: 47.862 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF102200.D

Acq: 18 Jan 2018 19:13

Instrument :

BNA_F

ClientSampleId :

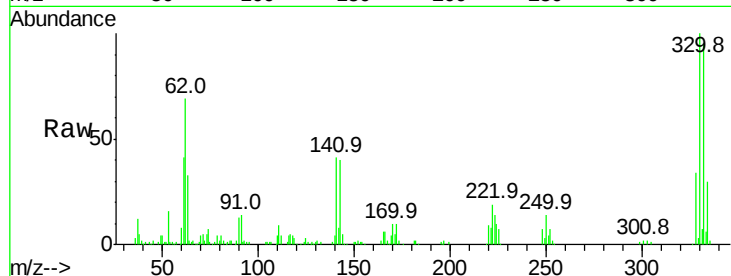
Tot Ion:330 Resp: 115800

Ion Ratio Lower Upper

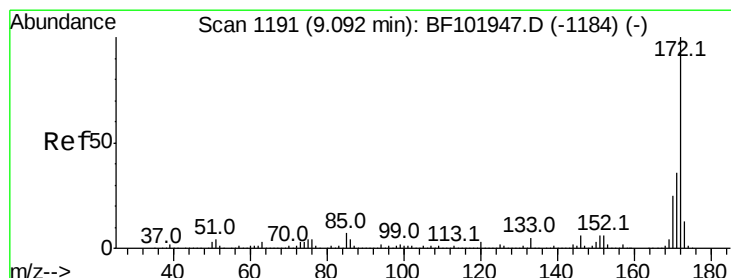
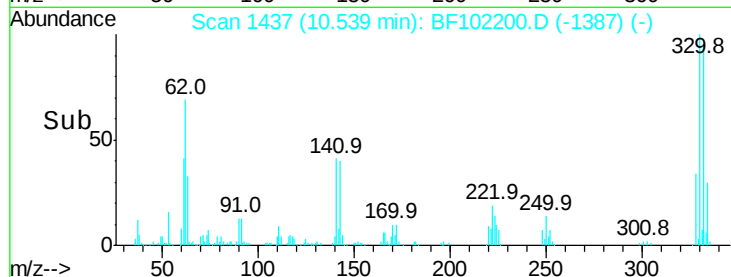
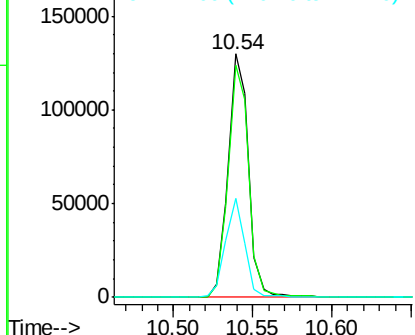
330 100

332 96.7 77.0 115.6

141 38.7 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: 38.319 ng

RT: 9.08 min Scan# 1189

Delta R.T. -0.01 min

Lab File: BF102200.D

Acq: 18 Jan 2018 19:13

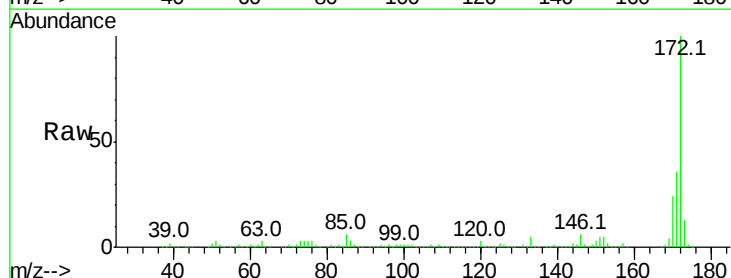
Tgt Ion:172 Resp: 680006

Ion Ratio Lower Upper

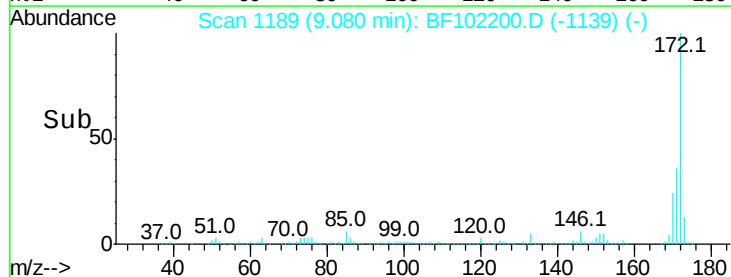
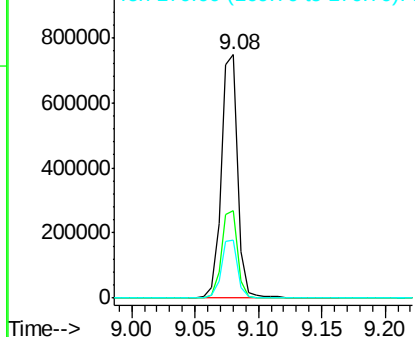
172 100

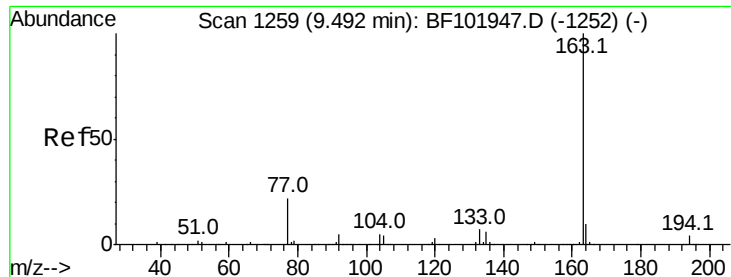
171 35.7 29.7 44.5

170 24.0 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

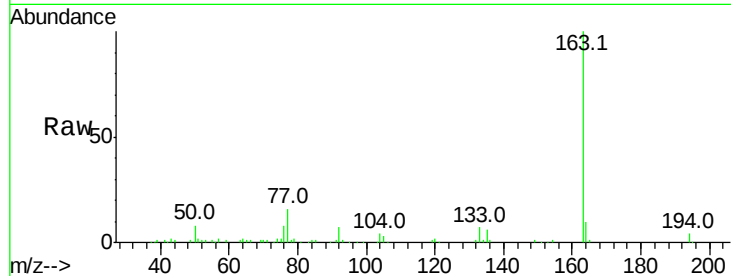




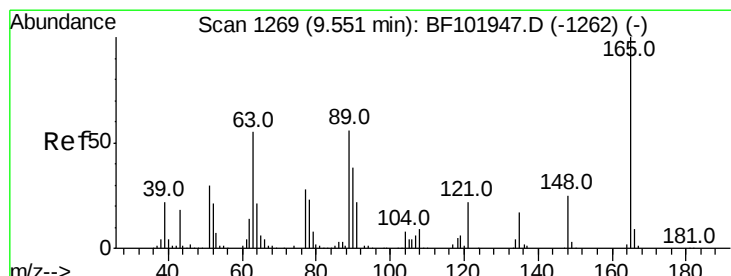
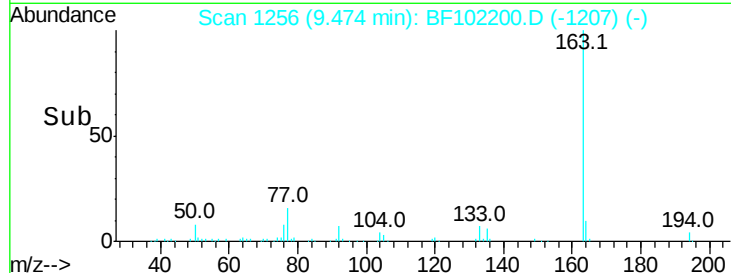
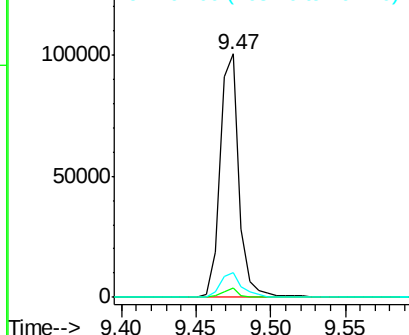
#49
Dimethylphthalate
Concen: 4.026 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF102200.D
Acq: 18 Jan 2018 19:13

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 89539
Ion Ratio Lower Upper
163 100
194 4.0 2.7 4.1
164 10.1 8.2 12.2

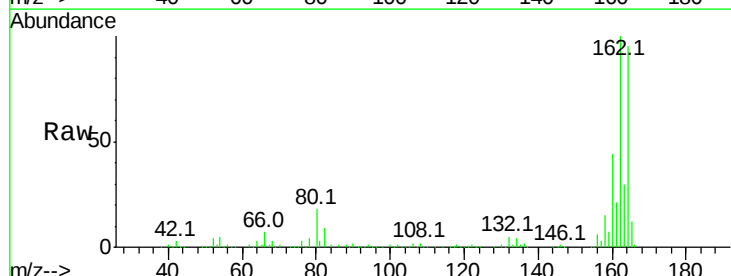


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

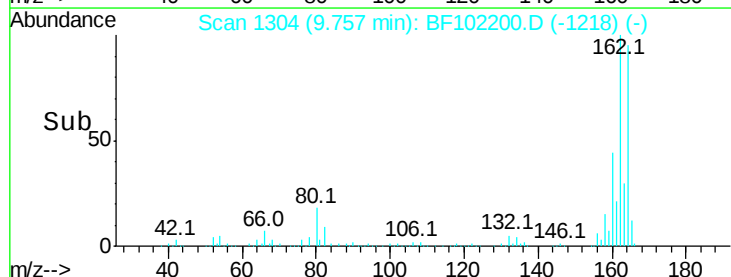
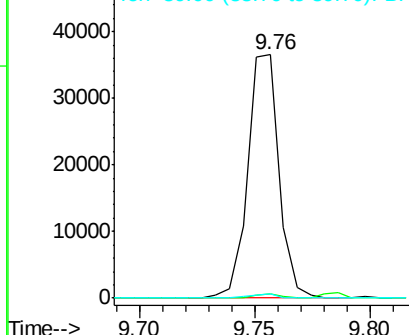


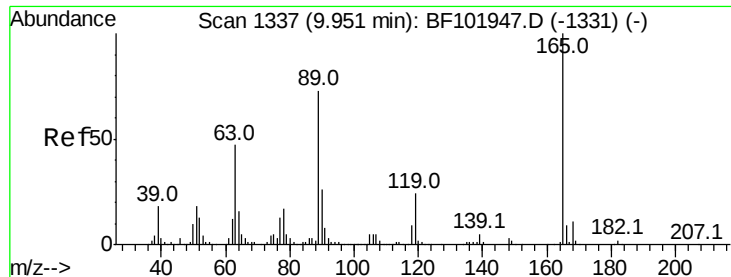
#50
2,6-Dinitrotoluene
Concen: 7.787 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.21 min
Lab File: BF102200.D
Acq: 18 Jan 2018 19:13

Tgt Ion:165 Resp: 34593
Ion Ratio Lower Upper
165 100
63 1.9 44.7 67.1#
89 1.6 44.0 66.0#



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

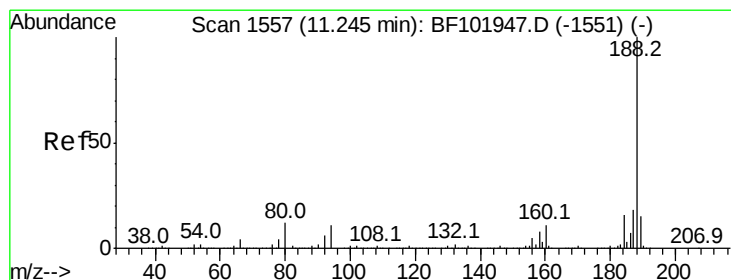
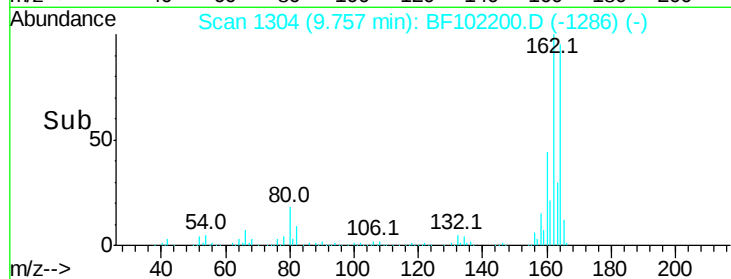
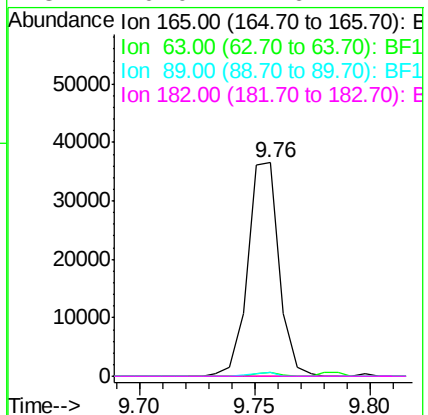
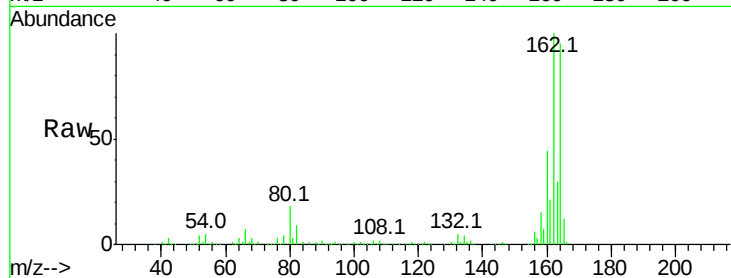




#56
2,4-Dinitrotoluene
Concen: 6.213 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.19 min
Lab File: BF102200.D
Acq: 18 Jan 2018 19:13

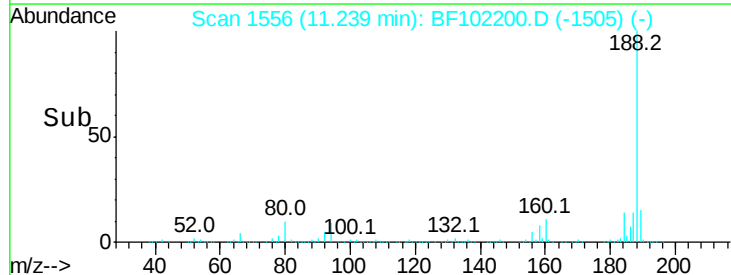
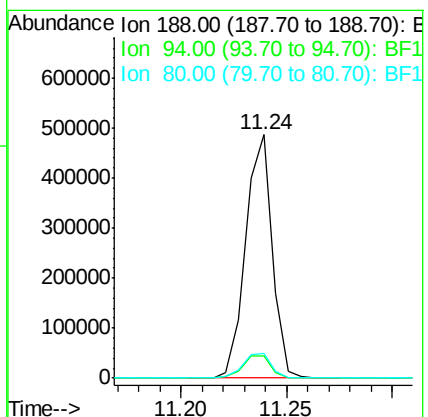
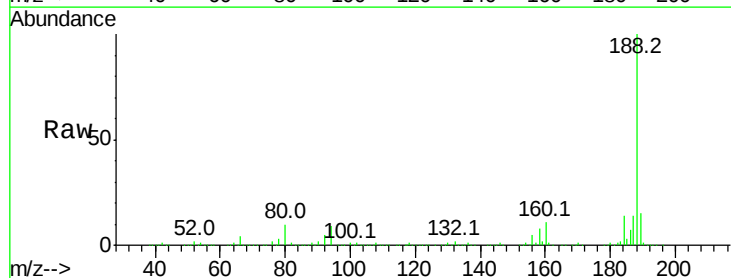
Instrument :
BNA_F
ClientSampled :

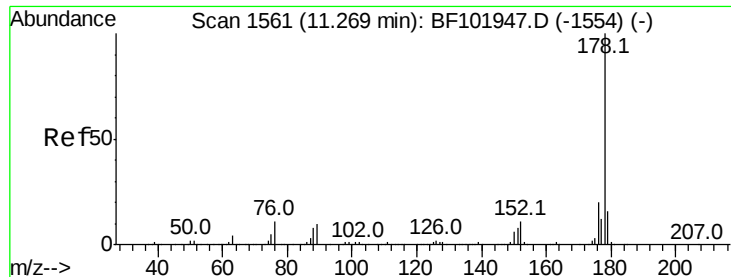
Tot Ion:	165	Resp:	34593
Ion	Ratio	Lower	Upper
165	100		
63	1.9	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.00 min
Lab File: BF102200.D
Acq: 18 Jan 2018 19:13

Tgt Ion:	188	Resp:	425207
Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.5	12.7
80	10.1	9.2	13.8

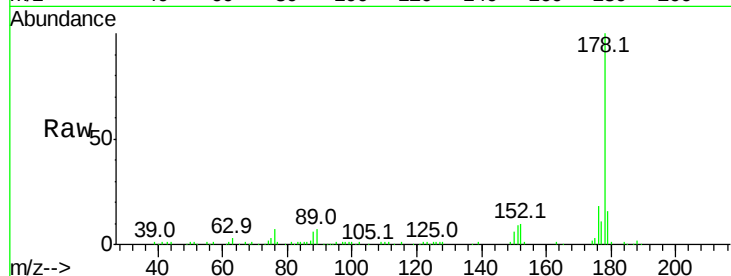




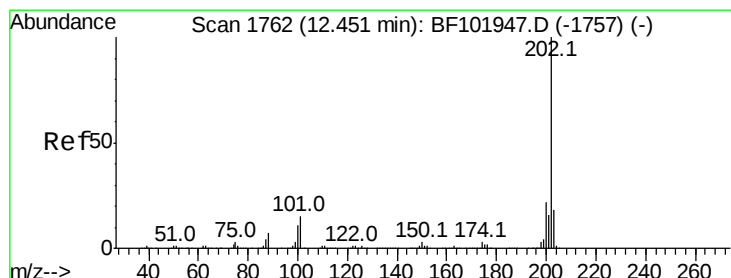
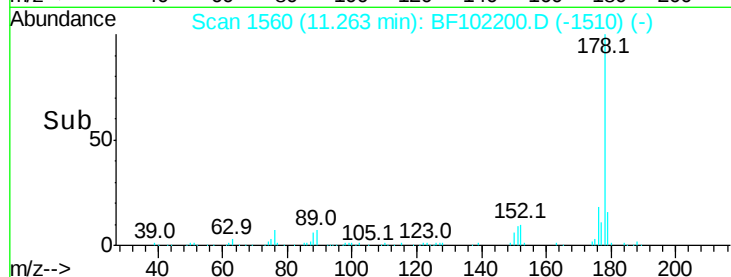
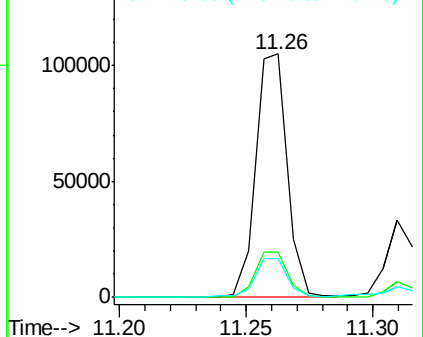
#70
Phenanthrene
Concen: 3.659 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF102200.D
Acq: 18 Jan 2018 19:13

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 90886
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.8
179 15.8 13.0 19.6

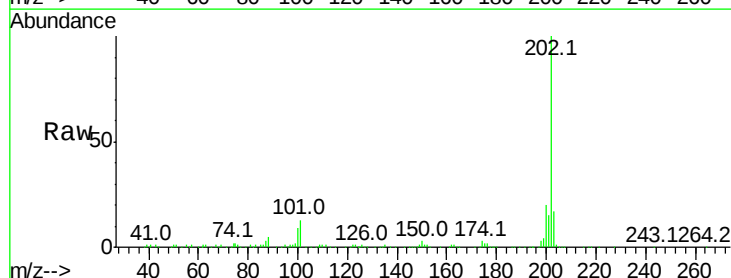


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

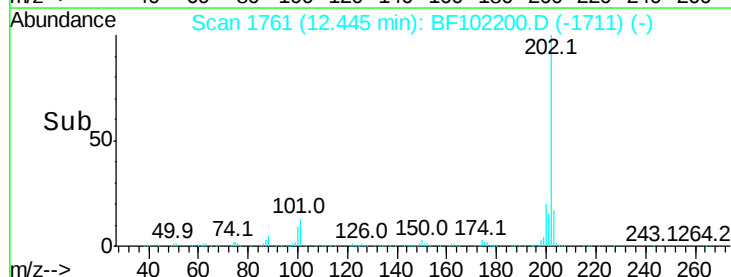
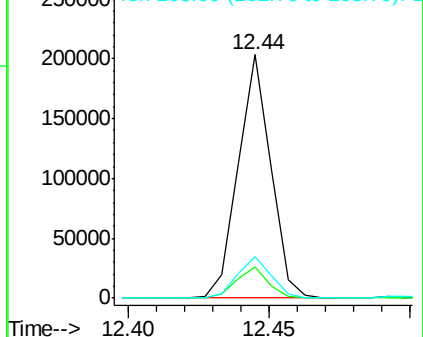


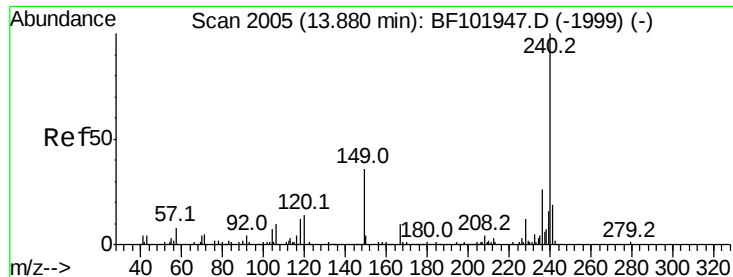
#74
Fluoranthene
Concen: 6.683 ng
RT: 12.44 min Scan# 1761
Delta R.T. -0.01 min
Lab File: BF102200.D
Acq: 18 Jan 2018 19:13

Tgt Ion:202 Resp: 163307
Ion Ratio Lower Upper
202 100
101 12.8 0.0 34.1
203 16.9 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# 2003

Delta R.T. -0.01 min

Lab File: BF102200.D

Acq: 18 Jan 2018 19:13

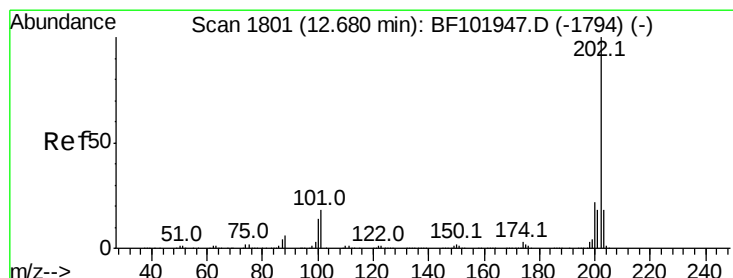
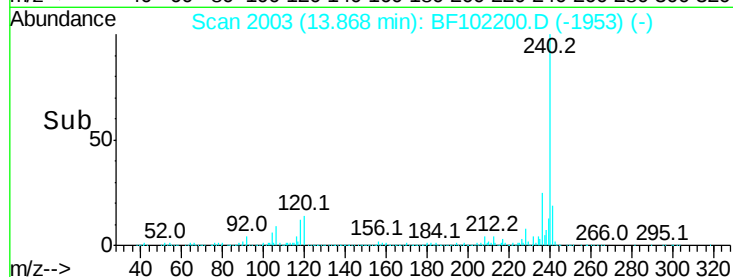
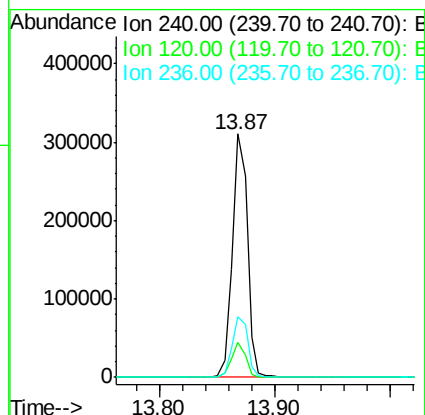
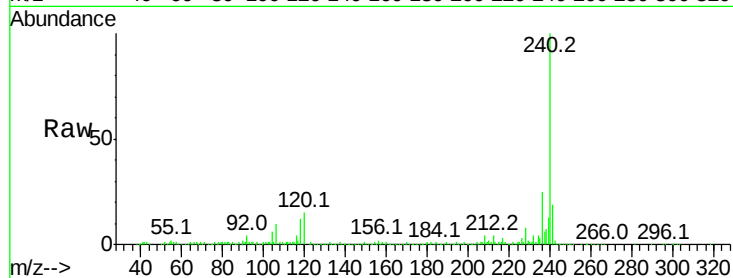
Instrument :

BNA_F

ClientSampleId :

Tot Ion:240 Resp: 281713

Ion	Ratio	Lower	Upper
240	100		
120	14.6	9.5	14.3#
236	25.0	20.7	31.1



#77

Pyrene

Concen: 5.934 ng

RT: 12.67 min Scan# 1800

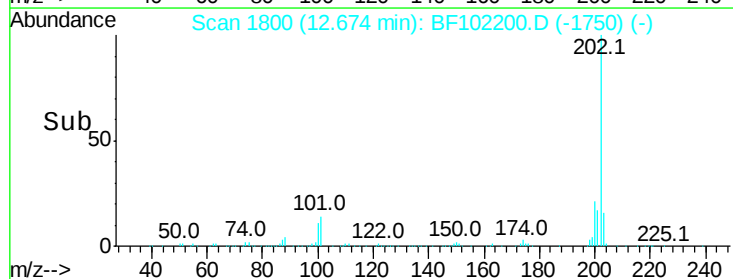
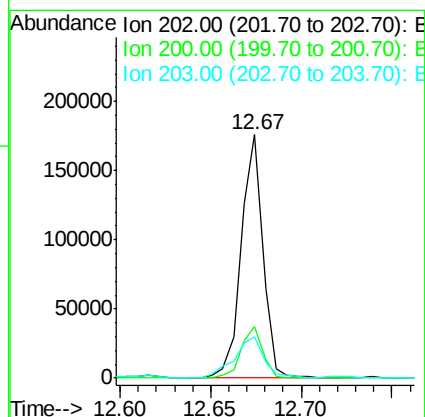
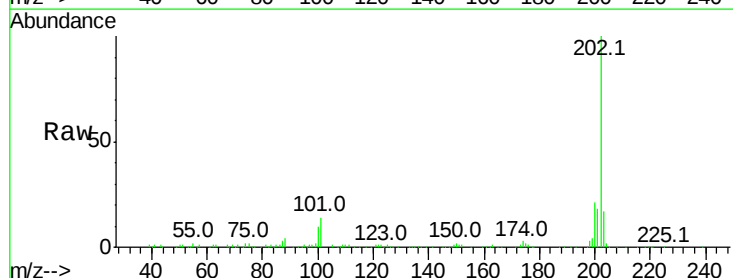
Delta R.T. -0.01 min

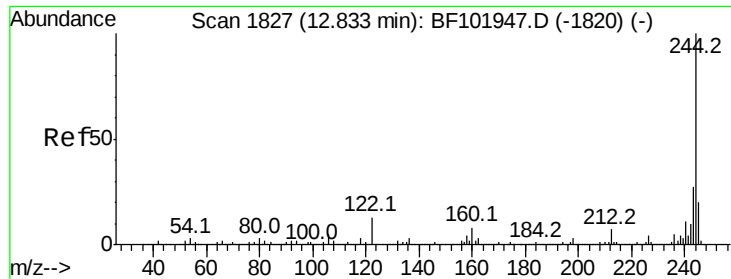
Lab File: BF102200.D

Acq: 18 Jan 2018 19:13

Tgt Ion:202 Resp: 147755

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.2
203	16.9	14.3	21.5

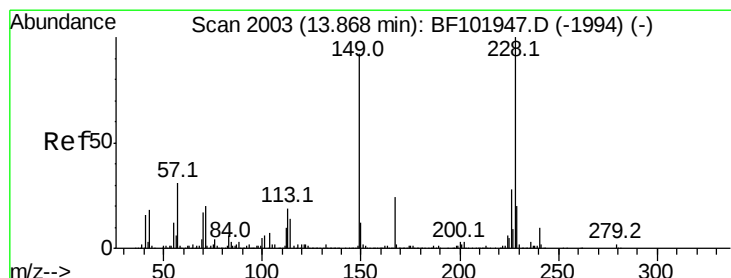
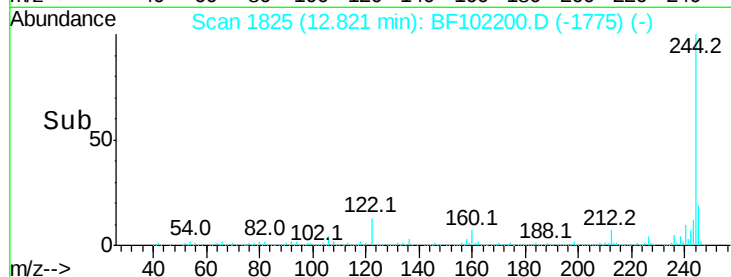
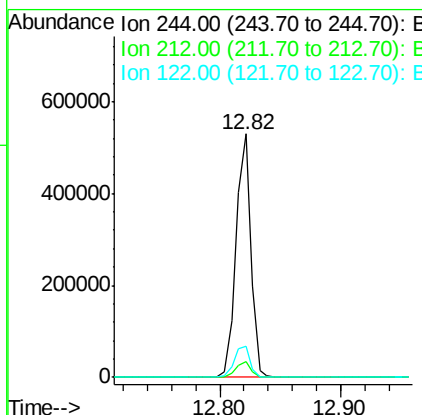
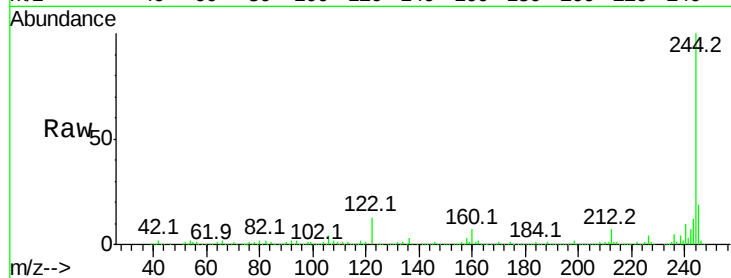




#78
 Terphenyl-d14
 Concen: 33.688 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF102200.D
 Acq: 18 Jan 2018 19:13

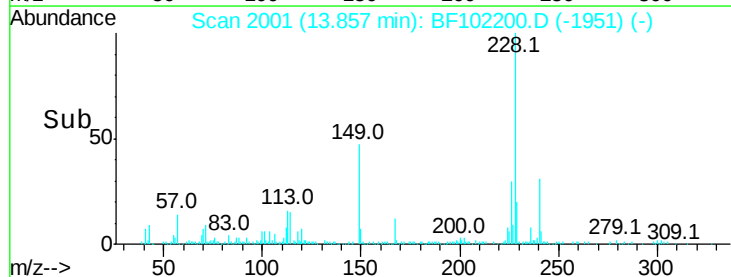
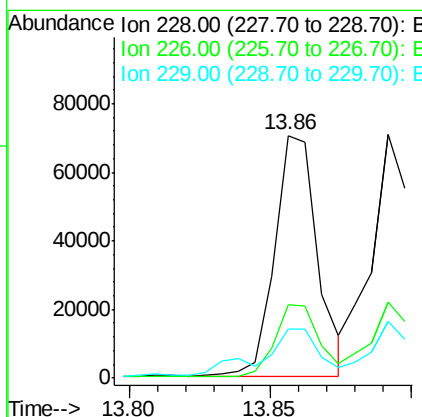
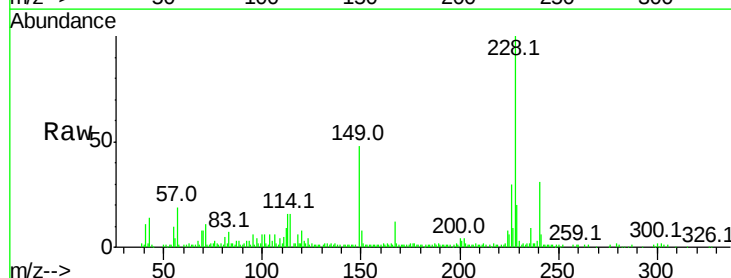
Instrument :
 BNA_F
 ClientSampleId :

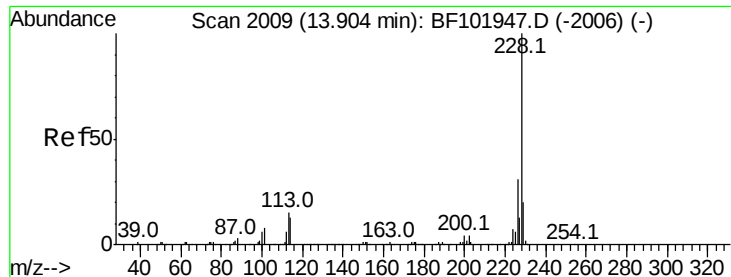
Tot Ion:244 Resp: 457083
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 12.6 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 4.121 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. -0.01 min
 Lab File: BF102200.D
 Acq: 18 Jan 2018 19:13

Tgt Ion:228 Resp: 74063
 Ion Ratio Lower Upper
 228 100
 226 30.2 22.6 33.8
 229 20.4 15.8 23.6





#82

Chrysene

Concen: 3.685 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF102200.D

Acq: 18 Jan 2018 19:13

Instrument :

BNA_F

ClientSampleId :

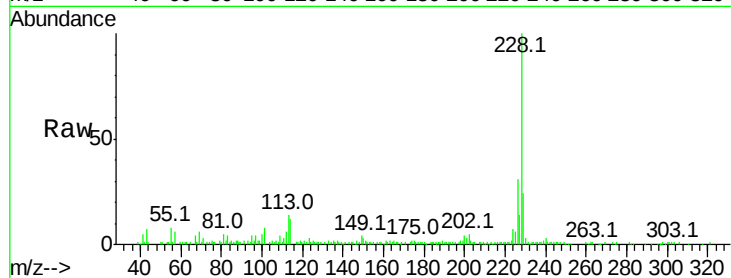
Tot Ion:228 Resp: 69056

Ion Ratio Lower Upper

228 100

226 31.1 25.0 37.6

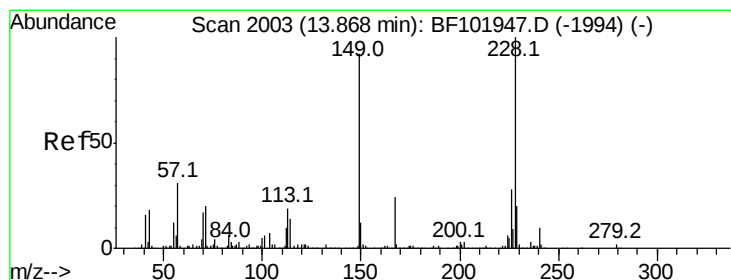
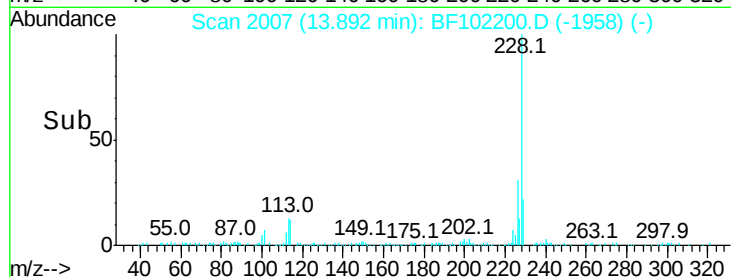
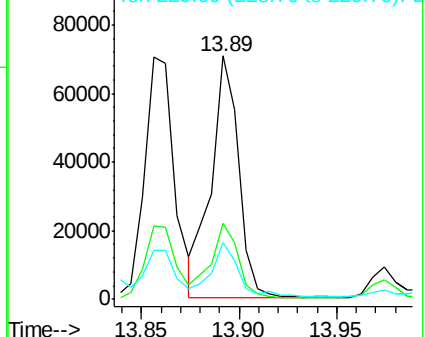
229 23.5 16.2 24.4



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.331 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.00 min

Lab File: BF102200.D

Acq: 18 Jan 2018 19:13

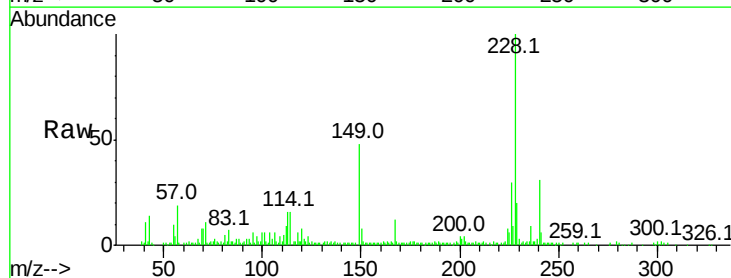
Tgt Ion:149 Resp: 30560

Ion Ratio Lower Upper

149 100

167 25.1 21.3 31.9

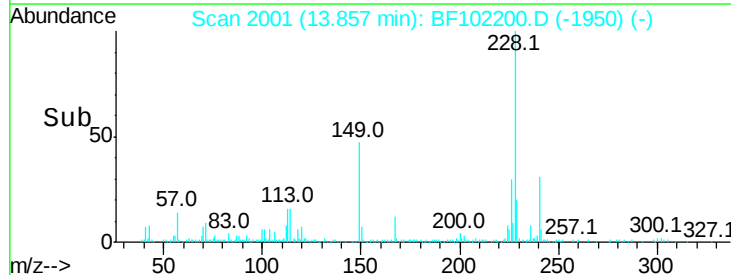
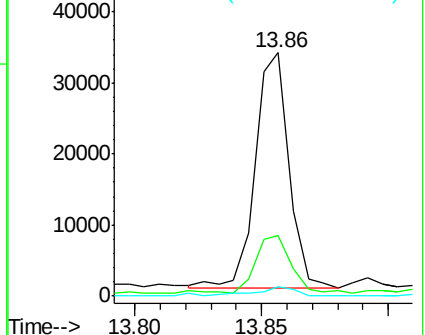
279 3.8 3.0 4.4

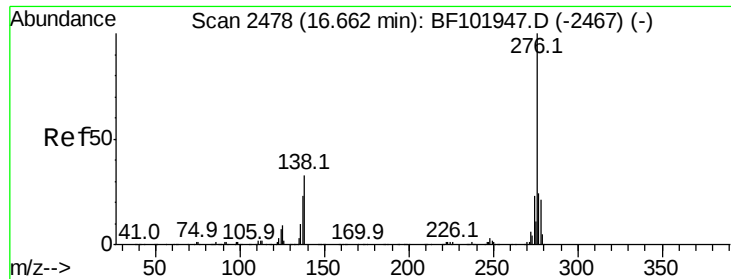


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

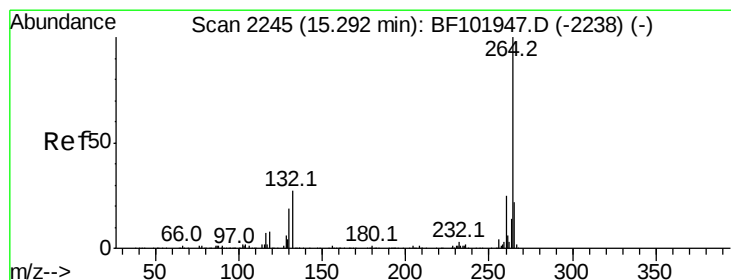
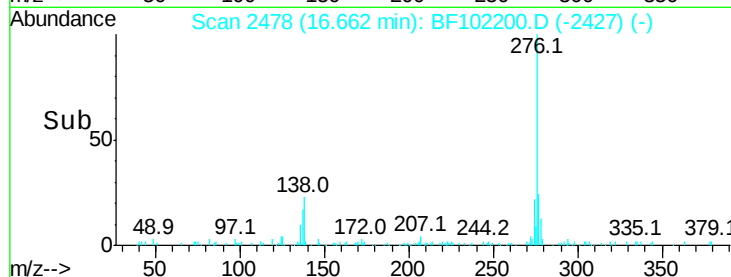
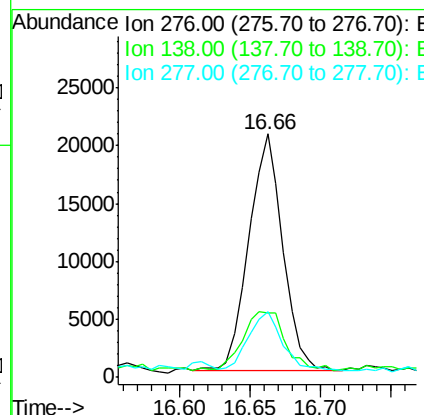
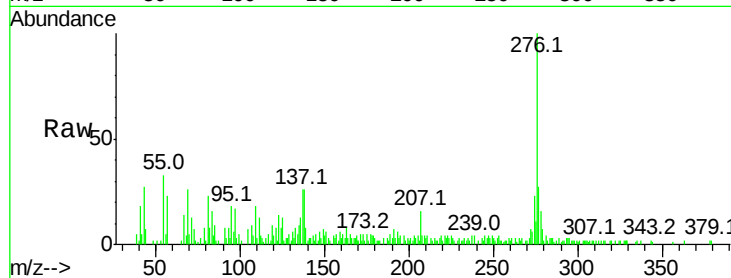




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.528 ng
 RT: 16.66 min Scan# 2478
 Delta R.T. -0.00 min
 Lab File: BF102200.D
 Acq: 18 Jan 2018 19:13

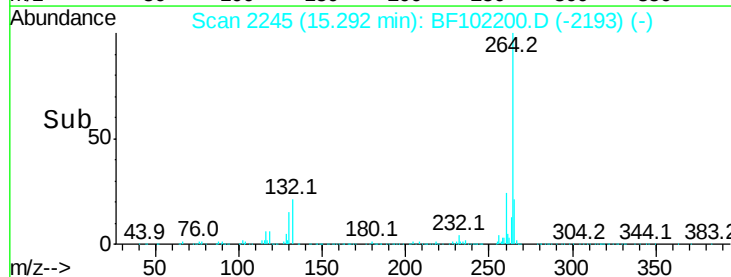
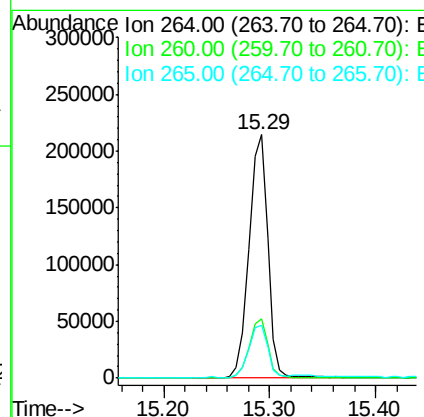
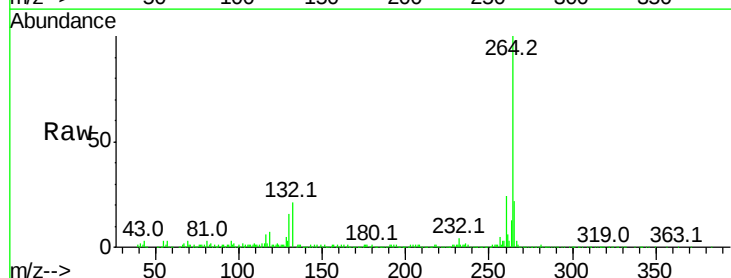
Instrument :
 BNA_F
 ClientSampleID :

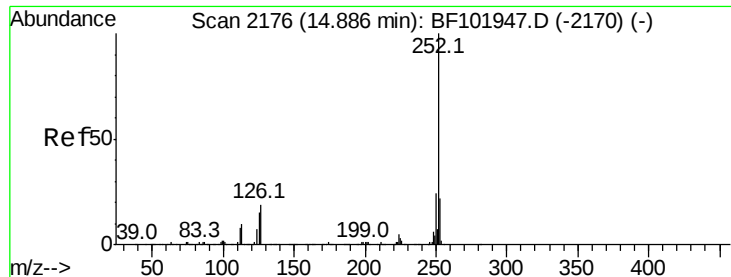
Tot Ion	Ratio	Lower	Upper
276	100		
138	29.6	25.0	37.6
277	25.0	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.29 min Scan# 2245
 Delta R.T. 0.01 min
 Lab File: BF102200.D
 Acq: 18 Jan 2018 19:13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.6	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 7.120 ng

RT: 14.88 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BF102200.D

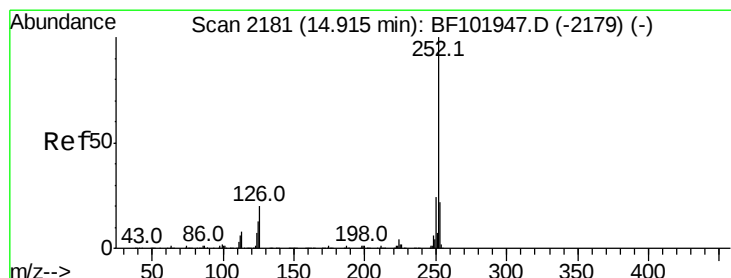
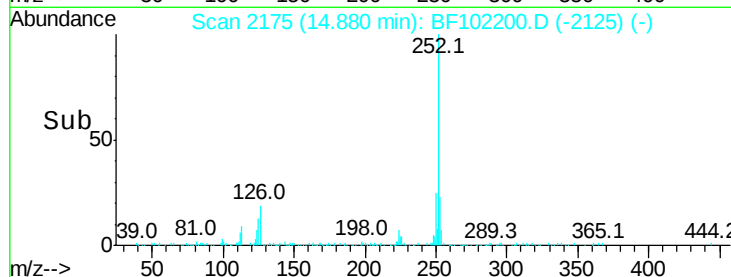
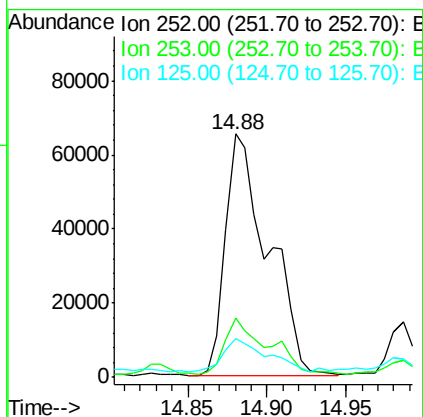
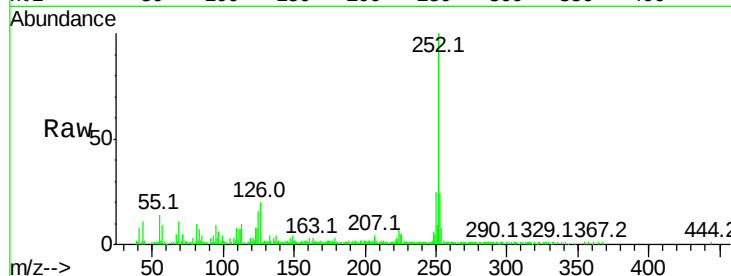
Acq: 18 Jan 2018 19:13

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	122231
Ion Ratio	Lower	Upper
252	100	
253	24.3	17.0 25.6
125	15.7	9.0 13.6#



#88

Benzo(k)fluoranthene

Concen: 7.381 ng

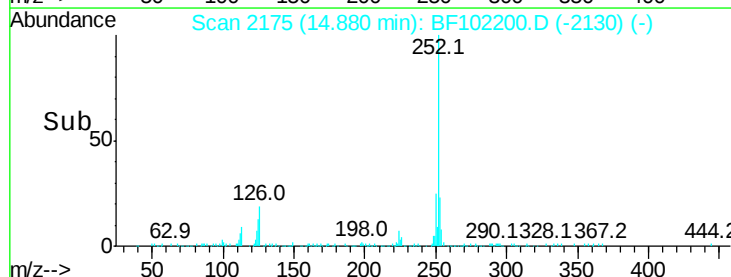
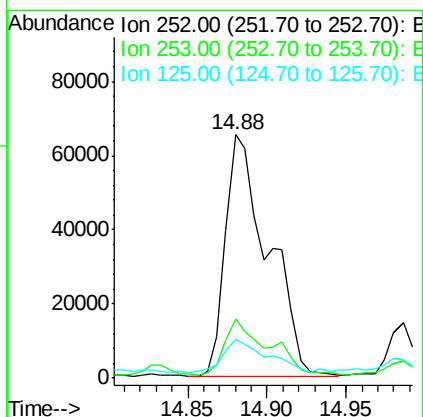
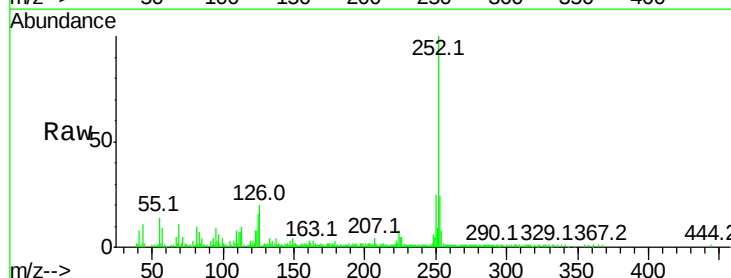
RT: 14.88 min Scan# 2175

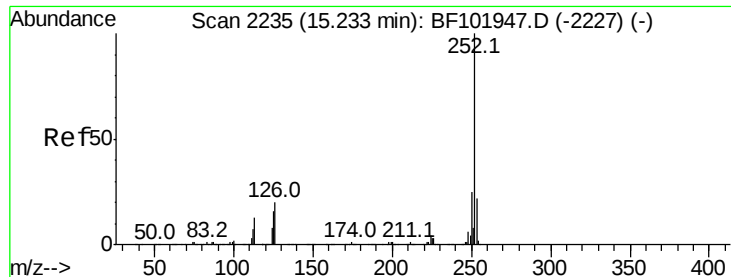
Delta R.T. -0.04 min

Lab File: BF102200.D

Acq: 18 Jan 2018 19:13

Tgt Ion:252	Resp:	122231
Ion Ratio	Lower	Upper
252	100	
253	24.3	17.9 26.9
125	15.7	10.2 15.2#

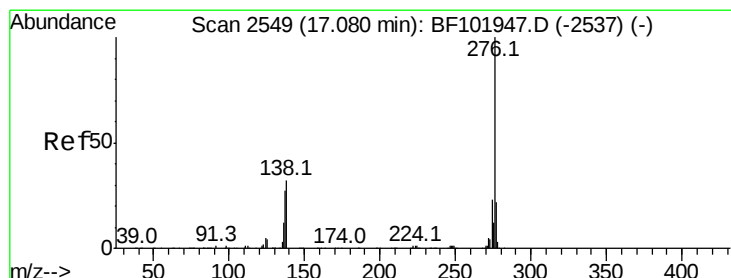
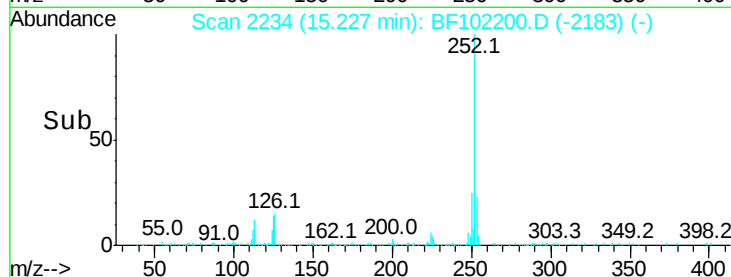
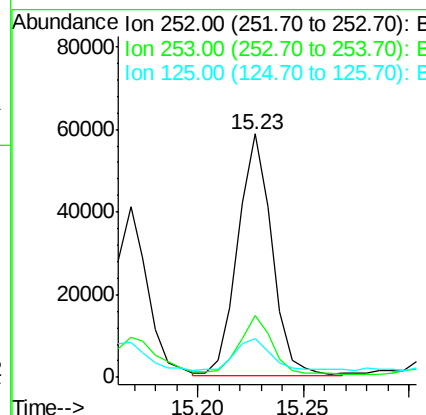
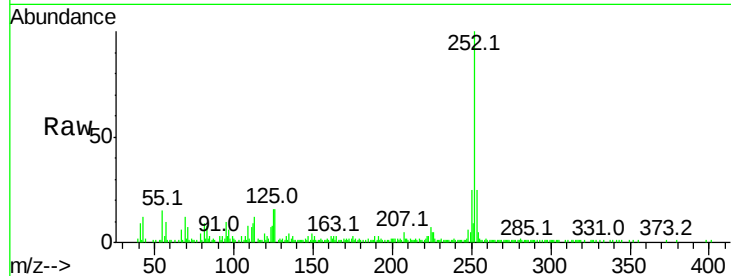




#89
Benzo(a)pyrene
Concen: 4.196 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.00 min
Lab File: BF102200.D
Acq: 18 Jan 2018 19:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.1	25.7
125	16.1	9.8	14.6



#91
Benzo(g,h,i)perylene
Concen: 2.901 ng
RT: 17.08 min Scan# 2549
Delta R.T. -0.00 min
Lab File: BF102200.D
Acq: 18 Jan 2018 19:13

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	17.9	26.9
138	32.2	21.8	32.8

