

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022218\
 Data File : BF103166.D
 Acq On : 22 Feb 2018 17:03
 Operator : SJ/JU
 Sample : J1640-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2-2-DENSE-GRADE-AGG-RCA

Quant Time: Feb 23 02:10:37 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 22 14:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	161407	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	684370	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	289021	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	421717	20.00	ng	0.00
75) Chrysene-d12	14.04	240	265689	20.00	ng	0.00
86) Perylene-d12	15.54	264	298304	20.00	ng	0.00

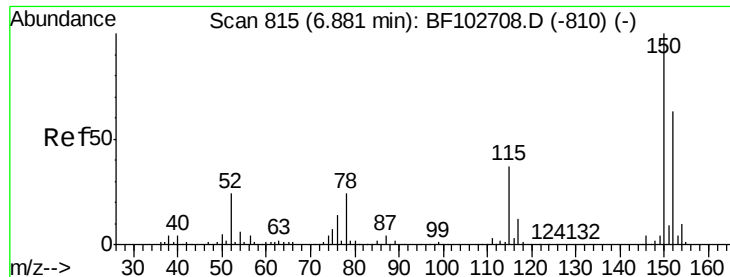
System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	26863	2.52	ng	0.01
7) Phenol-d6	6.50	99	432535	33.12	ng	0.00
23) Nitrobenzene-d5	7.43	82	614683	51.29	ng	0.00
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.23	172	971144	52.66	ng	0.00
78) Terphenyl-d14	12.98	244	622003	56.28	ng	0.00

Target Compounds

						Qvalue
9) Benzaldehyde	6.43	77	181	Below Cal	#	40
19) n-Nitroso-di-n-propylamine	7.43	70	80069	9.852 ng	#	81
25) Isophorone	7.43	82	614676	26.043 ng	#	64
32) Benzoic acid	8.15	122	119	6.928 ng	#	1
49) Dimethylphthalate	9.62	163	100518	4.335 ng		99
56) 2,4-Dinitrotoluene	9.91	165	36421	5.919 ng	#	24
59) Diethylphthalate	10.32	149	49102	2.214 ng		98
70) Phenanthrene	11.42	178	84561	3.644 ng		97
74) Fluoranthene	12.62	202	111228	4.769 ng		99
77) Pyrene	12.84	202	108833	5.254 ng		98
80) Benzo(a)anthracene	14.03	228	55775	3.235 ng		98
82) Chrysene	14.07	228	51491	3.076 ng		97
85) Indeno(1,2,3-cd)pyrene	17.05	276	35932	2.712 ng		99
87) Benzo(b)fluoranthene	15.10	252	84812	4.324 ng	#	91
88) Benzo(k)fluoranthene	15.10	252	84812	4.592 ng	#	94
89) Benzo(a)pyrene	15.47	252	60513	3.455 ng	#	93
91) Benzo(a,h,i)perylene	17.51	276	35924	2.716 ng	#	87

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

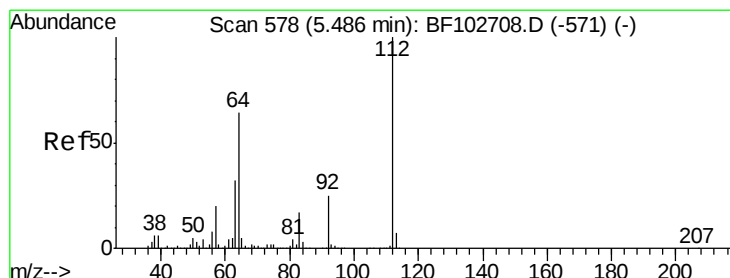
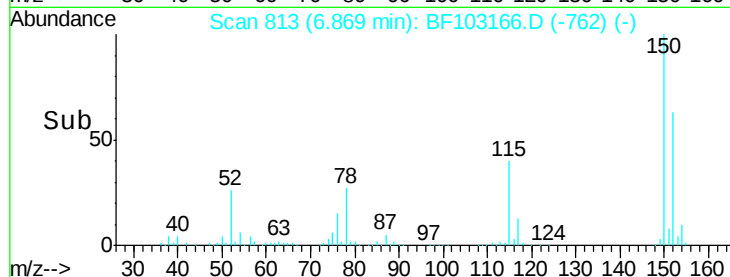
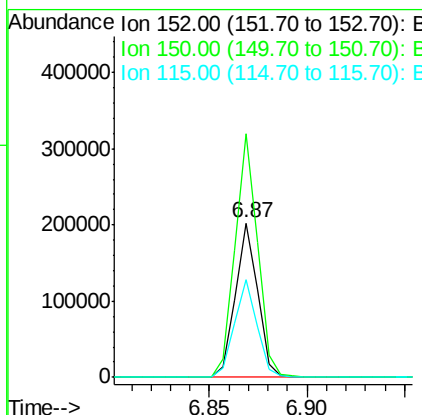
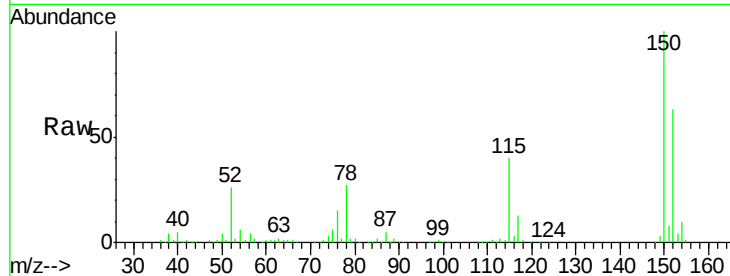


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF103166.D
Acq: 22 Feb 2018 17:03

Instrument :
BNA_F
ClientSampleId :
2-2-DENSE-GRADE-AGG-RCA

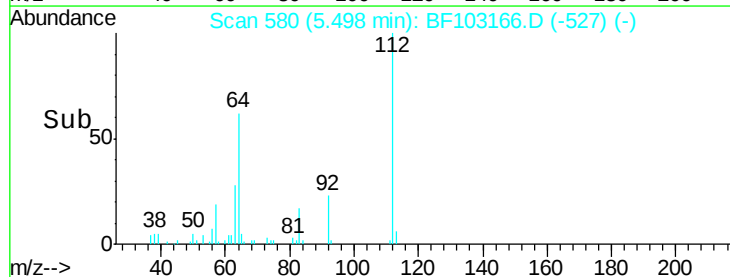
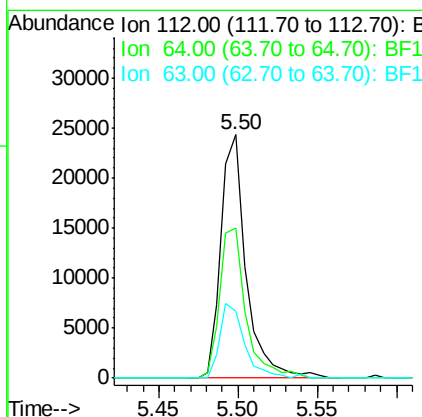
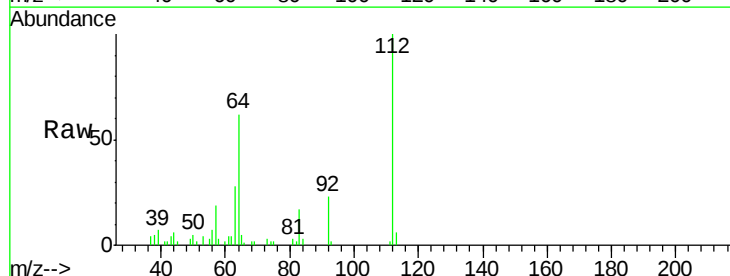
Tot Ion:152 Resp: 161407
Ion Ratio Lower Upper
152 100
150 157.8 124.6 186.8
115 63.7 50.1 75.1

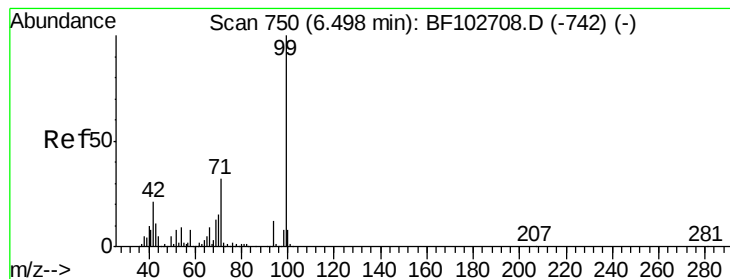


#5

2-Fluorophenol
Concen: 2.517 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103166.D
Acq: 22 Feb 2018 17:03

Tgt Ion:112 Resp: 26863
Ion Ratio Lower Upper
112 100
64 61.8 47.9 71.9
63 27.7 23.7 35.5





#7

Phenol-d6

Concen: 33.122 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF103166.D

Acq: 22 Feb 2018 17:03

Instrument :

BNA_F

ClientSampleId :

2-2-DENSE-GRADE-AGG-RCA

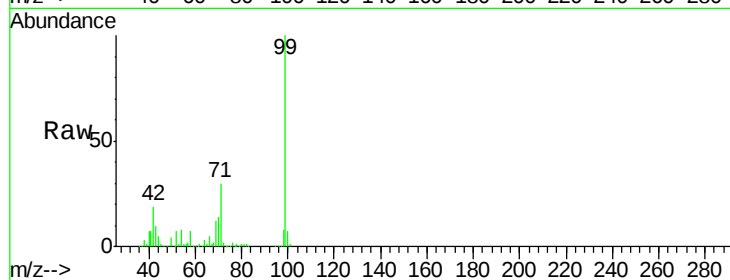
Tot Ion: 99 Resp: 432535

Ion Ratio Lower Upper

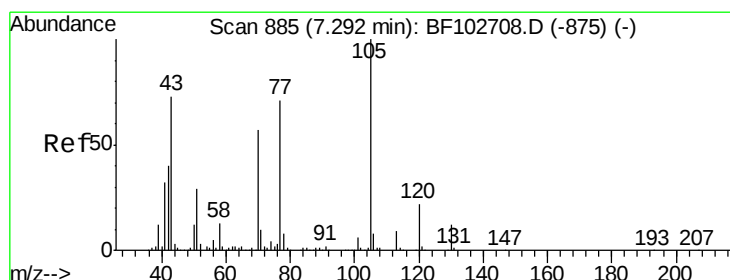
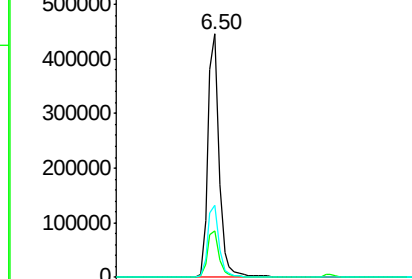
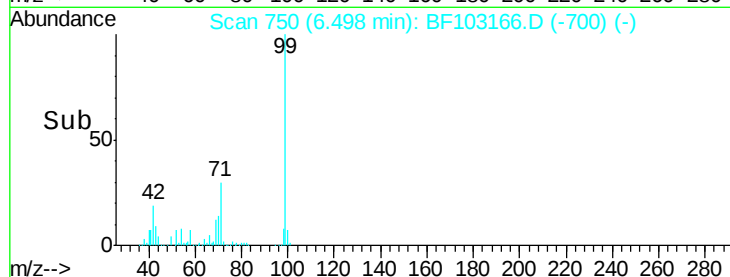
99 100

42 19.1 14.5 21.7

71 29.8 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: 9.852 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.15 min

Lab File: BF103166.D

Acq: 22 Feb 2018 17:03

Tgt Ion: 70 Resp: 80069

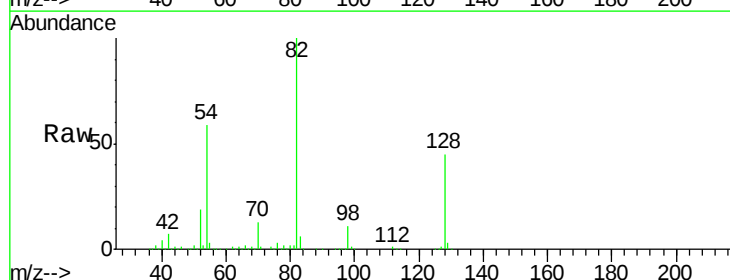
Ion Ratio Lower Upper

70 100

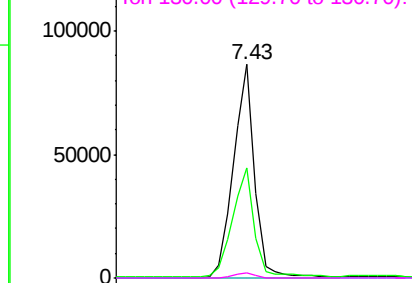
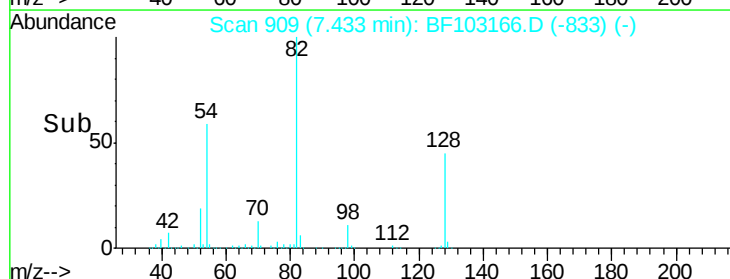
42 51.5 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 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: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF103166.D

Acq: 22 Feb 2018 17:03

Instrument :

BNA_F

ClientSampleId :

2-2-DENSE-GRADE-AGG-RCA

Tot Ion:136 Resp: 684370

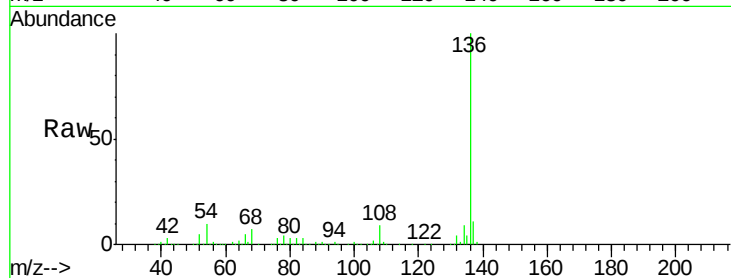
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 9.9 6.6 9.8#

68 6.8 5.0 7.4

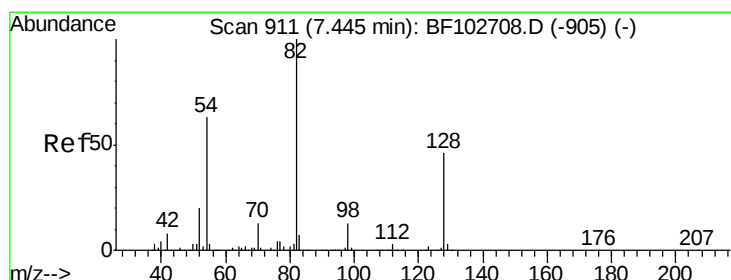
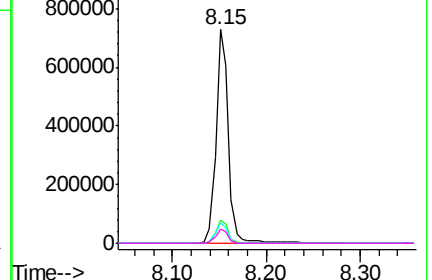
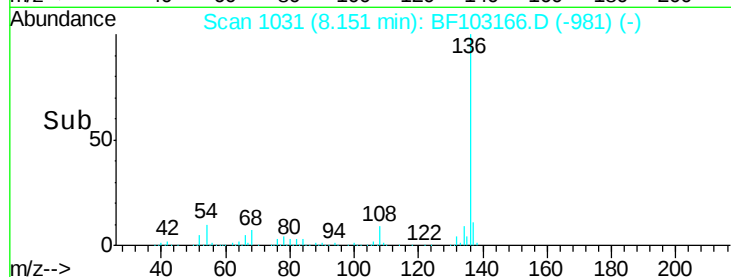


Abundance Ion 136.00 (135.70 to 136.70): E

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: 51.293 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF103166.D

Acq: 22 Feb 2018 17:03

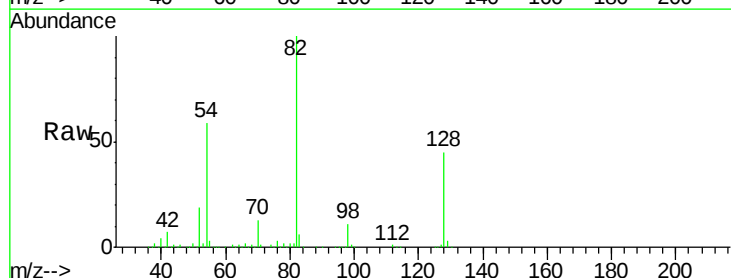
Tgt Ion: 82 Resp: 614683

Ion Ratio Lower Upper

82 100

128 45.3 36.1 54.1

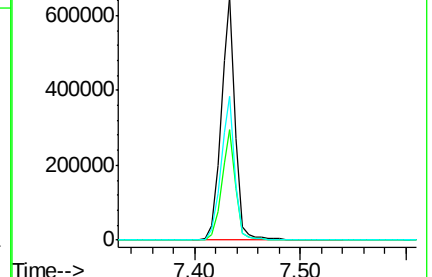
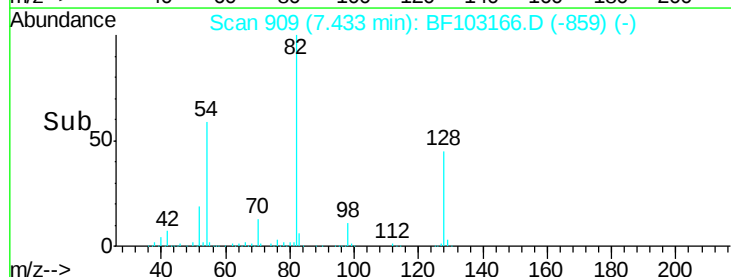
54 59.0 41.4 62.2



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: 26.043 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.26 min

Lab File: BF103166.D

Acq: 22 Feb 2018 17:03

Instrument :

BNA_F

ClientSampleId :

2-2-DENSE-GRADE-AGG-RCA

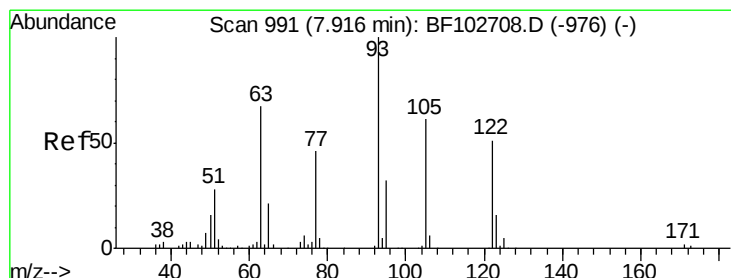
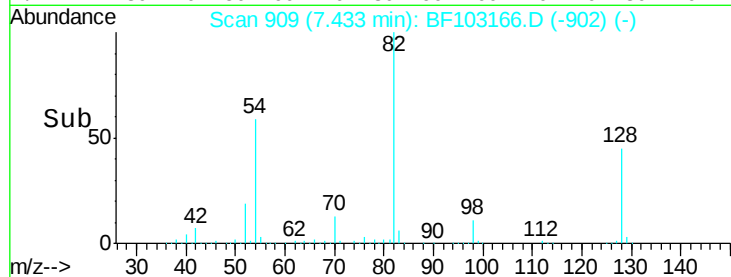
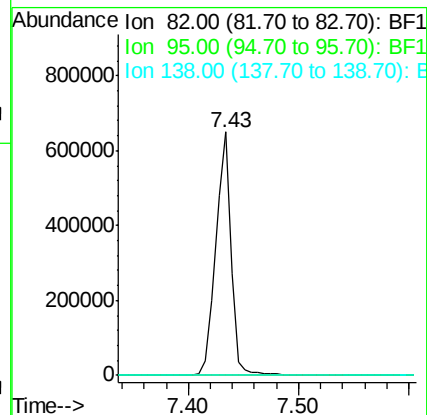
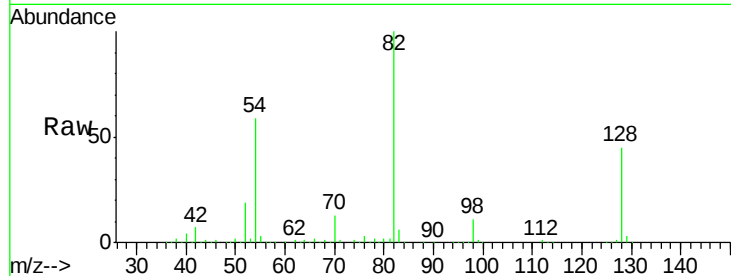
Tot Ion: 82 Resp: 614676

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

138 0.0 14.9 22.3#



#32

Benzoic acid

Concen: 6.928 ng

RT: 8.15 min Scan# 1031

Delta R.T. 0.22 min

Lab File: BF103166.D

Acq: 22 Feb 2018 17:03

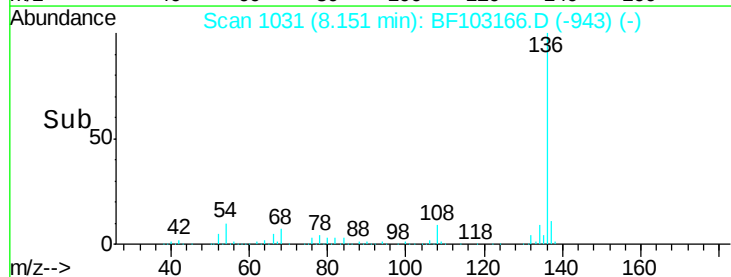
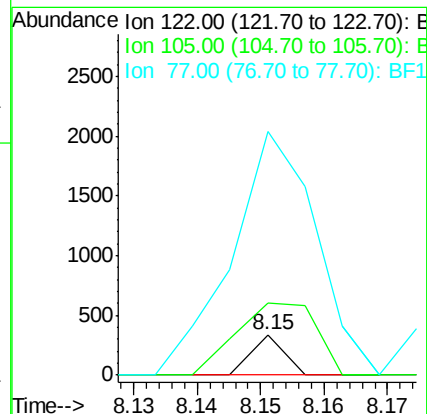
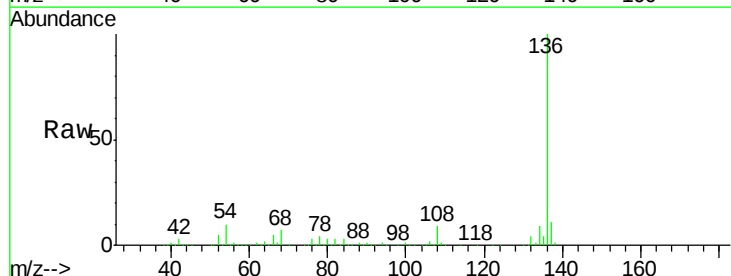
Tgt Ion: 122 Resp: 119

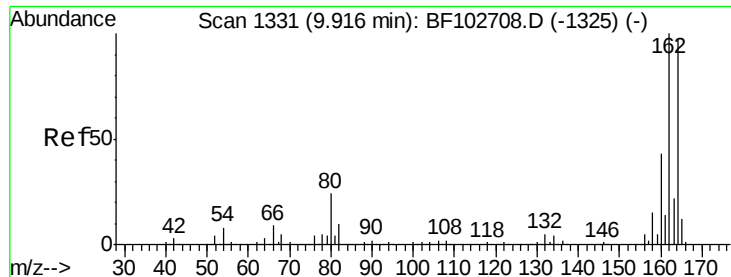
Ion Ratio Lower Upper

122 100

105 177.5 101.1 141.1#

77 603.0 70.7 110.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.00 min

Lab File: BF103166.D

Acq: 22 Feb 2018 17:03

Instrument :

BNA_F

ClientSampleId :

2-2-DENSE-GRADE-AGG-RCA

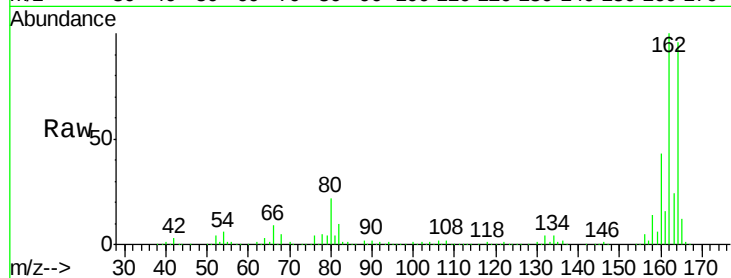
Tot Ion:164 Resp: 289021

Ion Ratio Lower Upper

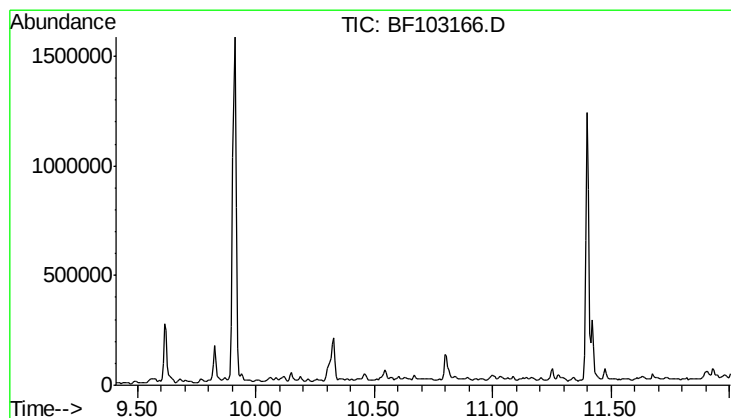
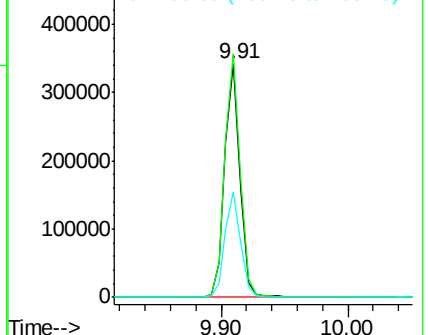
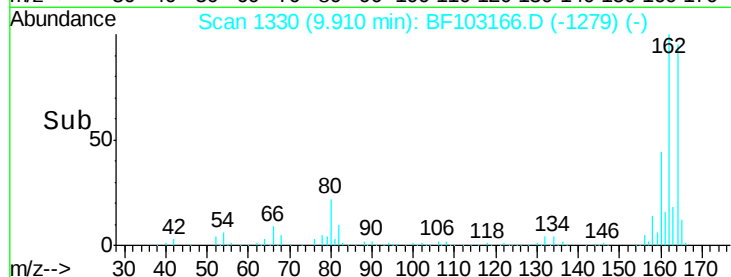
164 100

162 104.2 86.1 129.1

160 45.3 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: 0.000 ng

Expected RT: 10.70 min

Lab File: BF103166.D

Acq: 22 Feb 2018 17:03

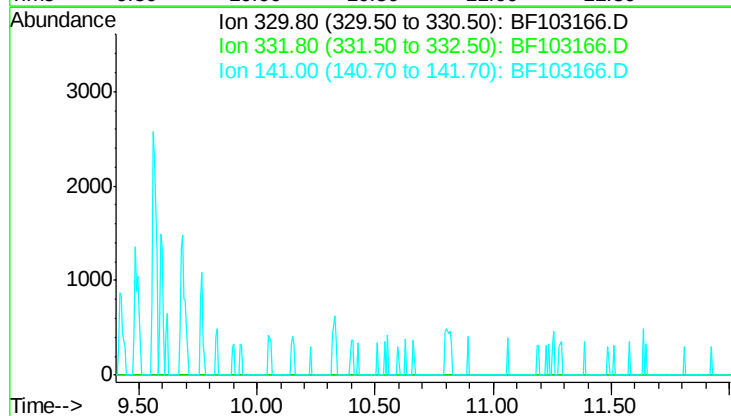
Tgt Ion: 330

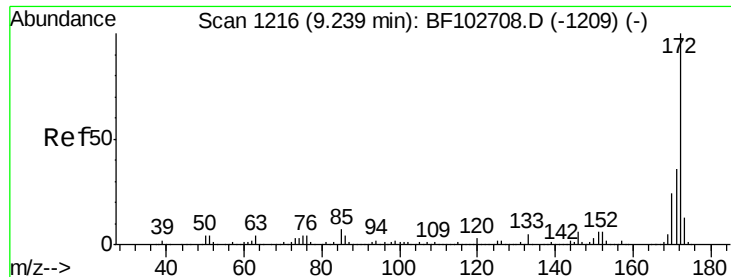
Sig Exp Ratio

330 100

332 96.3

141 37.4

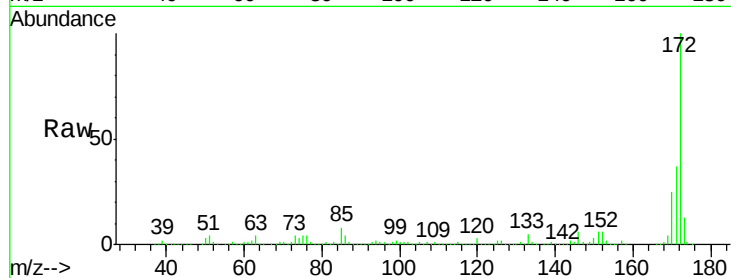




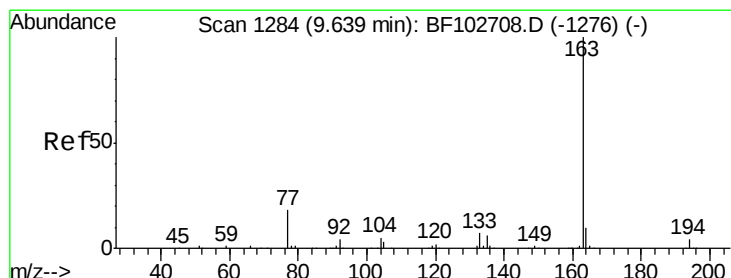
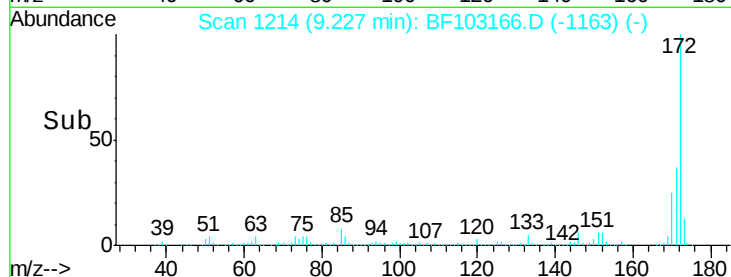
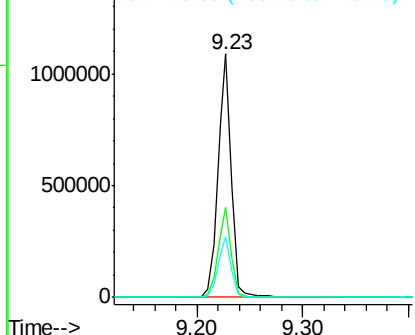
#44
2-Fluorobiphenyl
Concen: 52.664 ng
RT: 9.23 min Scan# 1214
Delta R.T. 0.00 min
Lab File: BF103166.D
Acq: 22 Feb 2018 17:03

Instrument :
BNA_F
ClientSampleId :
2-2-DENSE-GRADE-AGG-RCA

Tot Ion:172 Resp: 971144
Ion Ratio Lower Upper
172 100
171 36.8 29.7 44.5
170 25.0 19.6 29.4

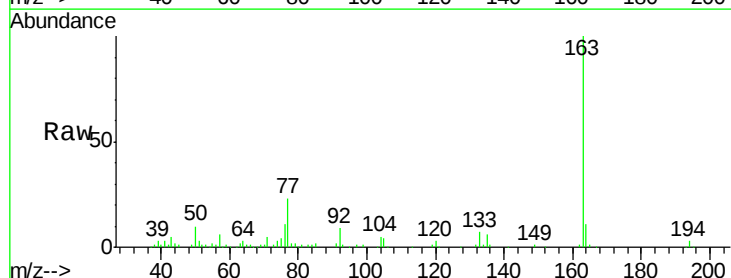


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

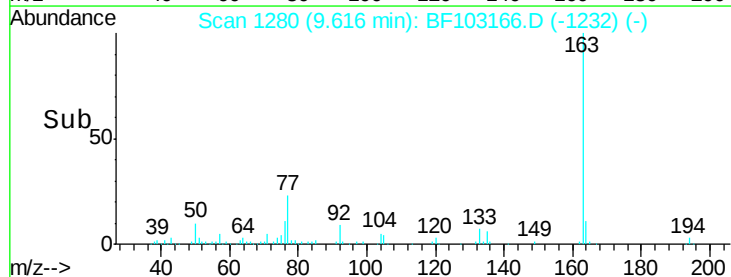
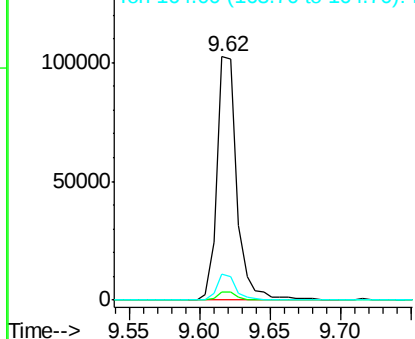


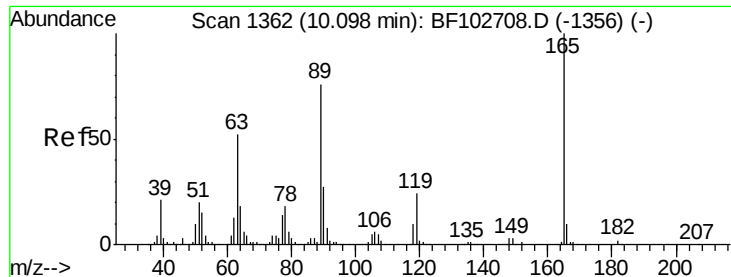
#49
Dimethylphthalate
Concen: 4.335 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BF103166.D
Acq: 22 Feb 2018 17:03

Tgt Ion:163 Resp: 100518
Ion Ratio Lower Upper
163 100
194 3.2 2.7 4.1
164 10.6 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

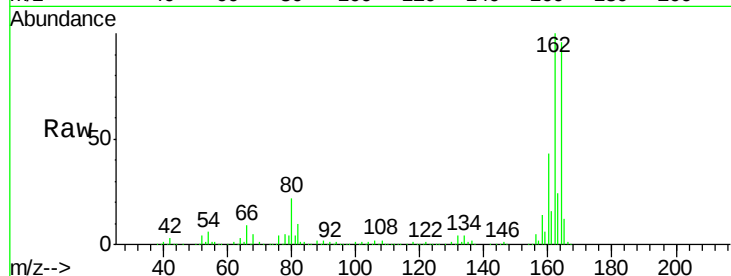




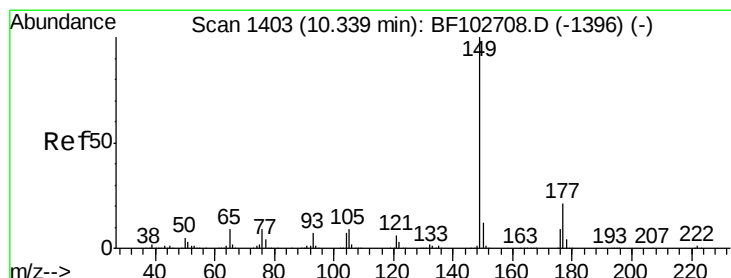
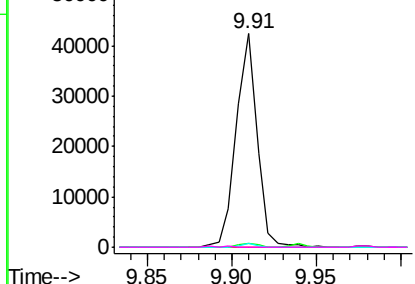
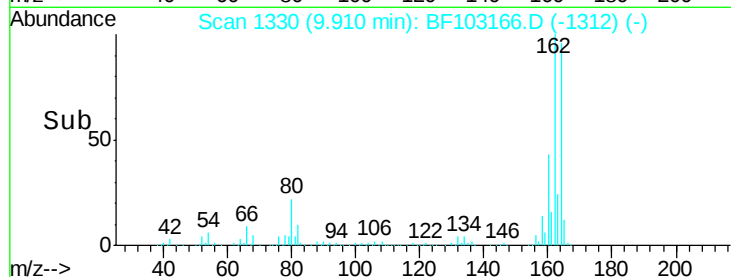
#56
2,4-Dinitrotoluene
Concen: 5.919 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.19 min
Lab File: BF103166.D
Acq: 22 Feb 2018 17:03

Instrument :
BNA_F
ClientSampleId :
2-2-DENSE-GRADE-AGG-RCA

Tot Ion:165 Resp: 36421
Ion Ratio Lower Upper
165 100
63 1.9 36.4 54.6#
89 1.7 57.8 86.6#
182 0.0 1.6 2.4#

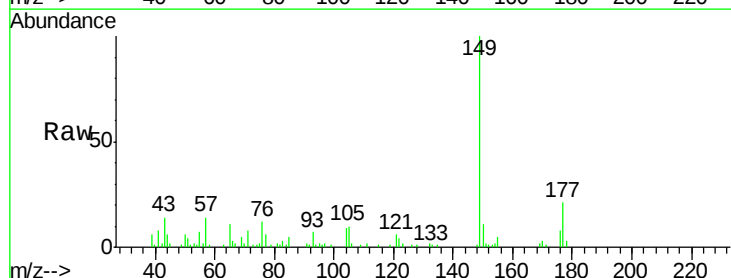


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

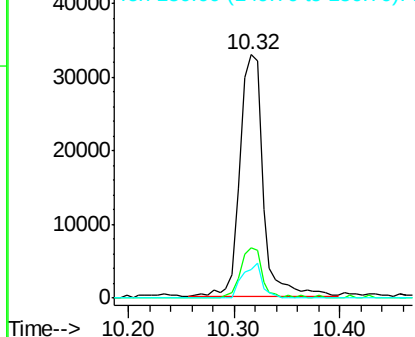
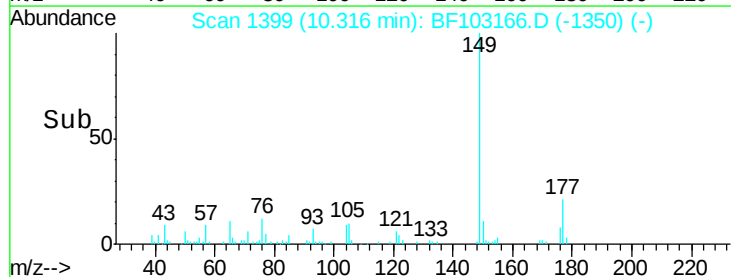


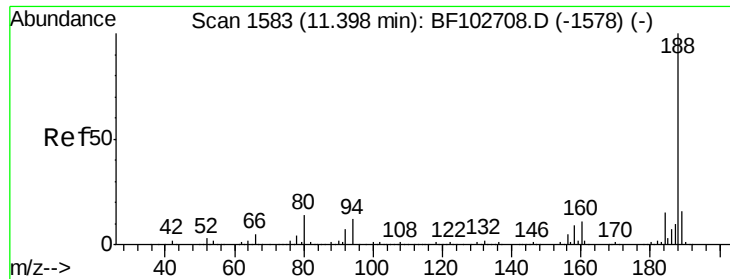
#59
Diethylphthalate
Concen: 2.214 ng
RT: 10.32 min Scan# 1399
Delta R.T. -0.01 min
Lab File: BF103166.D
Acq: 22 Feb 2018 17:03

Tgt Ion:149 Resp: 49102
Ion Ratio Lower Upper
149 100
177 20.7 16.1 24.1
150 11.5 10.1 15.1



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

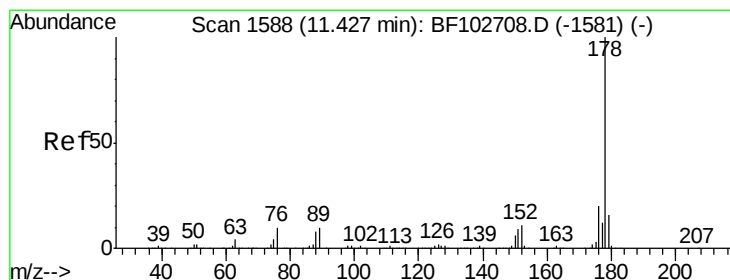
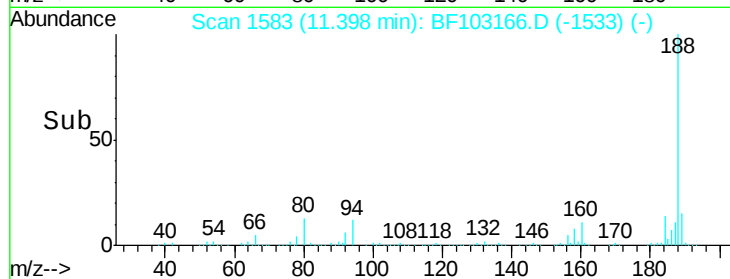
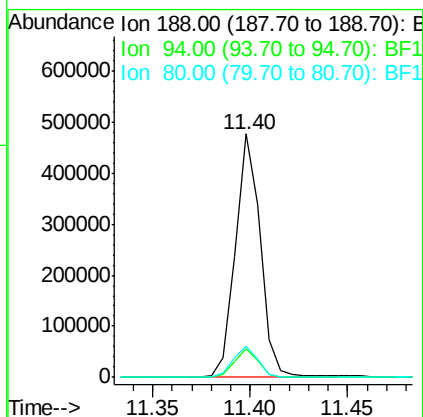
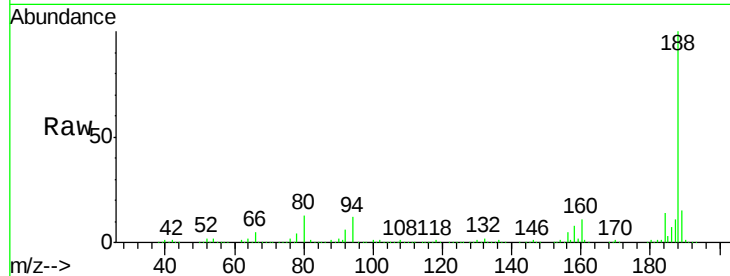




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF103166.D
 Acq: 22 Feb 2018 17:03

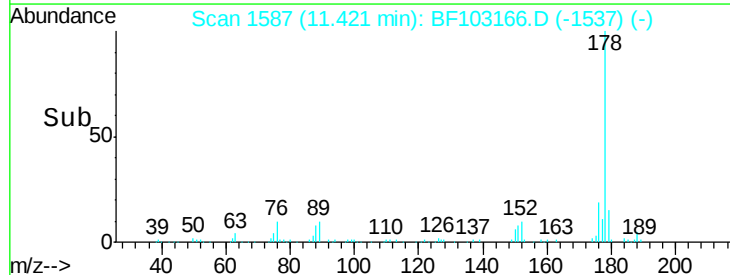
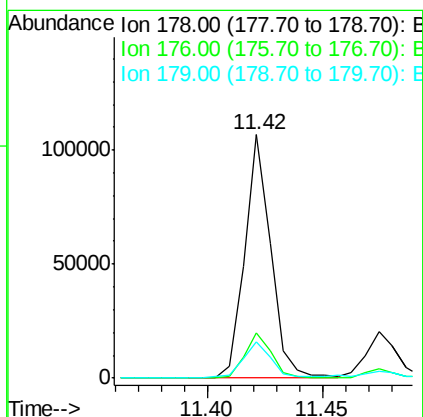
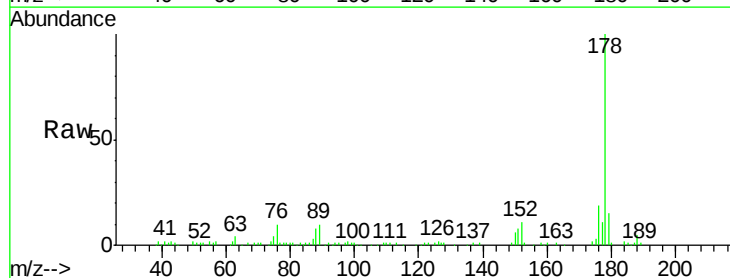
Instrument :
 BNA_F
 ClientSampleId :
 2-2-DENSE-GRADE-AGG-RCA

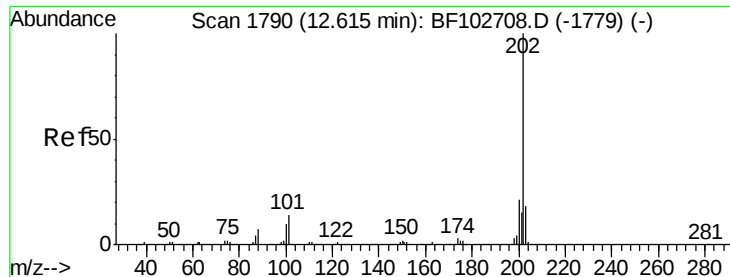
Tot Ion:188 Resp: 421717
 Ion Ratio Lower Upper
 188 100
 94 12.0 8.5 12.7
 80 12.7 9.2 13.8



#70
 Phenanthrene
 Concen: 3.644 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.01 min
 Lab File: BF103166.D
 Acq: 22 Feb 2018 17:03

Tgt Ion:178 Resp: 84561
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.8 23.8
 179 14.7 13.0 19.6

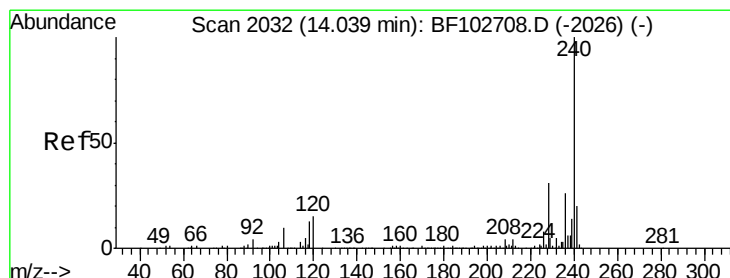
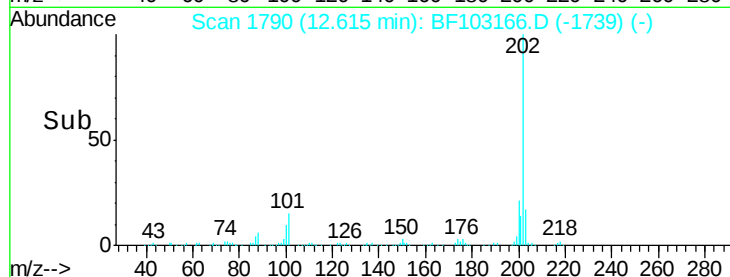
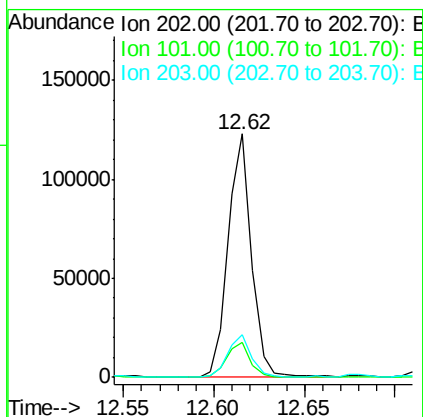
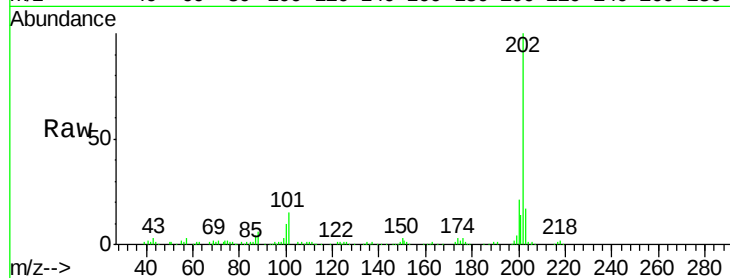




#74
Fluoranthene
Concen: 4.769 ng
RT: 12.62 min Scan# 1790
Delta R.T. -0.00 min
Lab File: BF103166.D
Acq: 22 Feb 2018 17:03

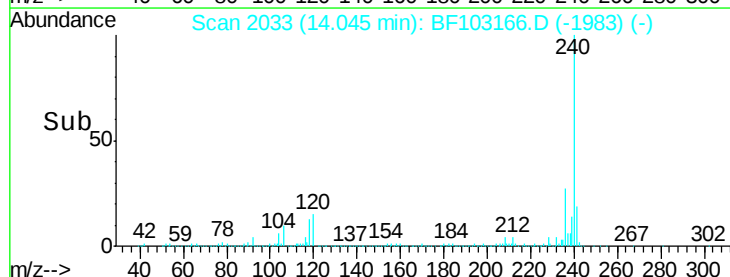
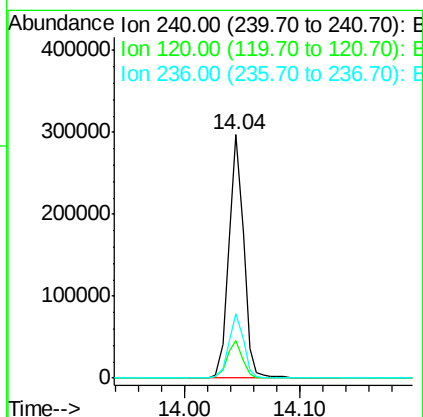
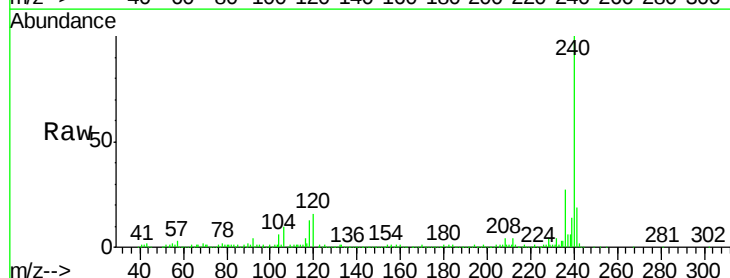
Instrument :
BNA_F
ClientSampleId :
2-2-DENSE-GRADE-AGG-RCA

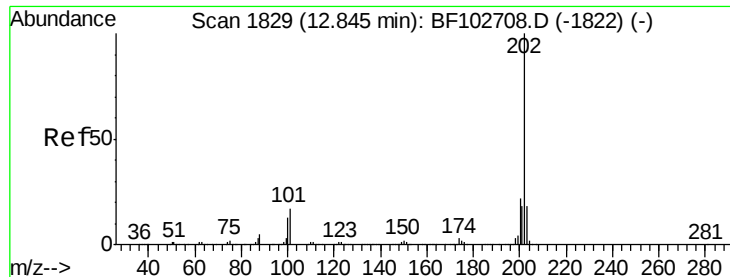
Tot Ion	Ratio	Lower	Upper
202	100		
101	14.5	0.0	34.1
203	17.4	0.0	38.1



#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF103166.D
Acq: 22 Feb 2018 17:03

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.6	9.5	14.3#
236	26.7	20.7	31.1





#77

Pvrene

Concen: 5.254 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF103166.D

Acq: 22 Feb 2018 17:03

Instrument :

BNA_F

ClientSampleId :

2-2-DENSE-GRADE-AGG-RCA

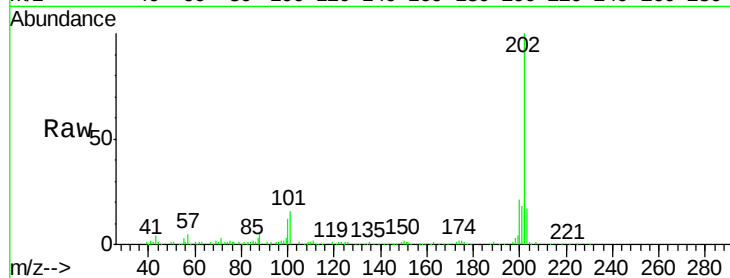
Tot Ion:202 Resp: 108833

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

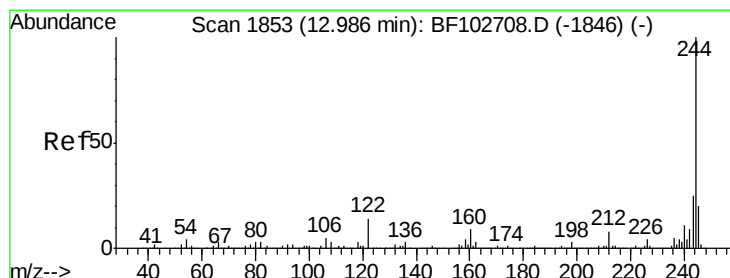
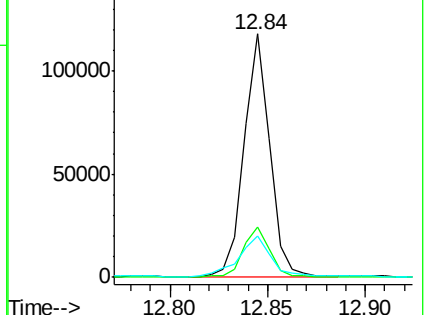
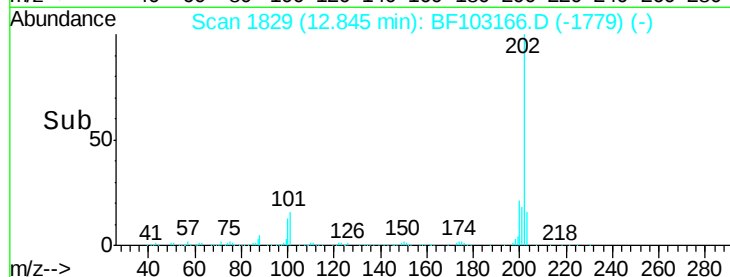
203 17.1 14.3 21.5



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: 56.277 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF103166.D

Acq: 22 Feb 2018 17:03

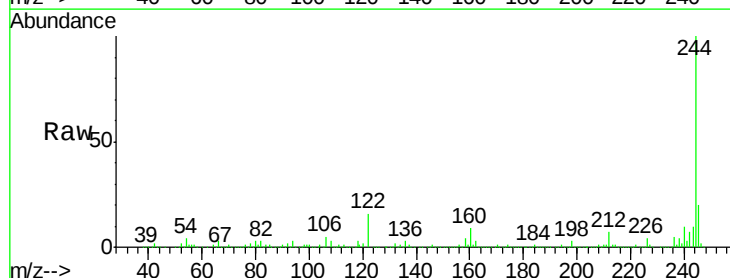
Tgt Ion:244 Resp: 622003

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

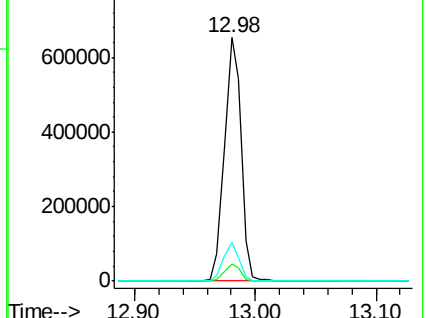
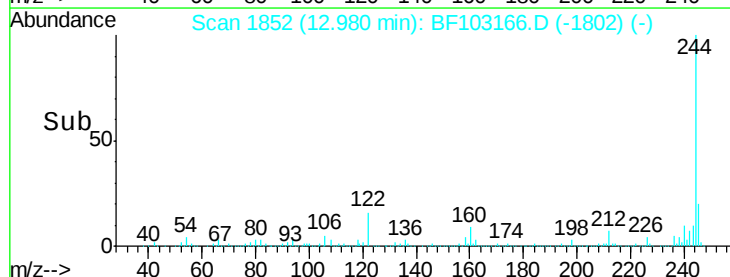
122 15.9 11.0 16.4

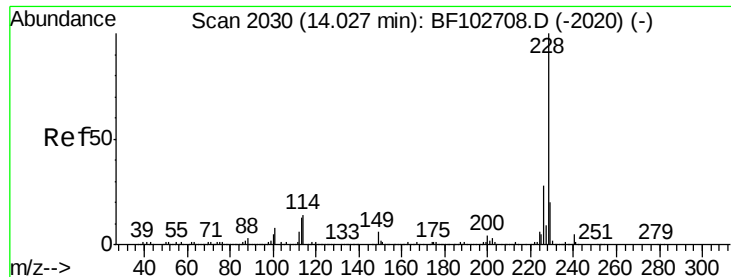


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

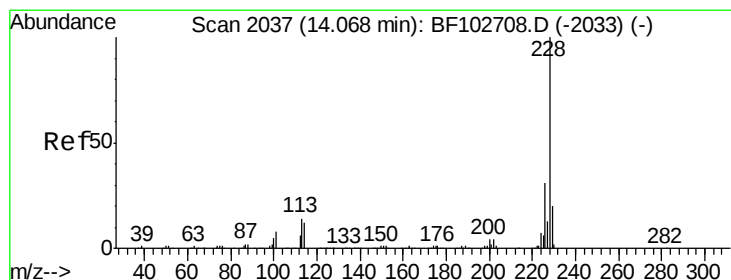
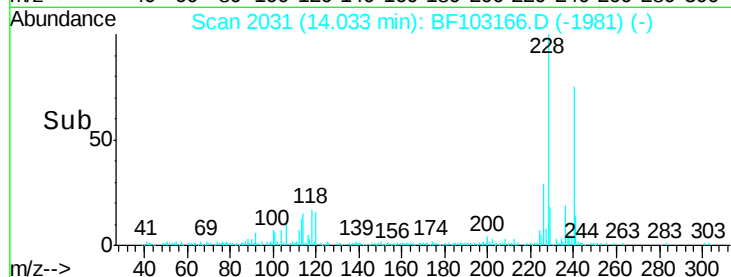
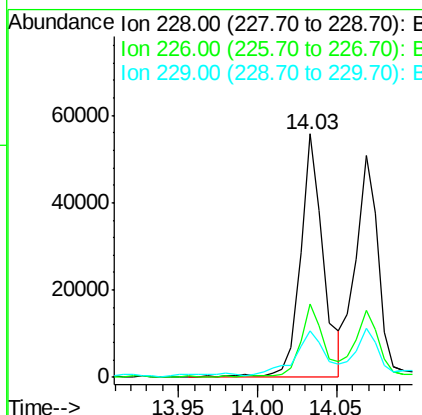
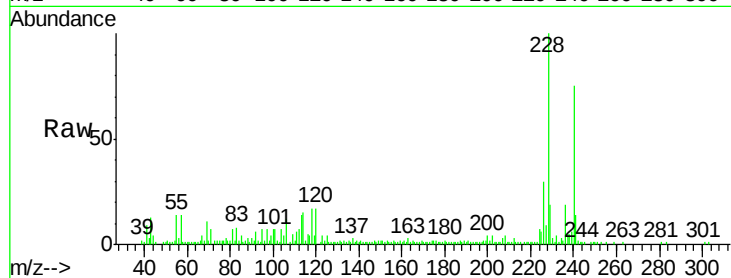




#80
Benzo(a)anthracene
Concen: 3.235 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF103166.D
Acq: 22 Feb 2018 17:03

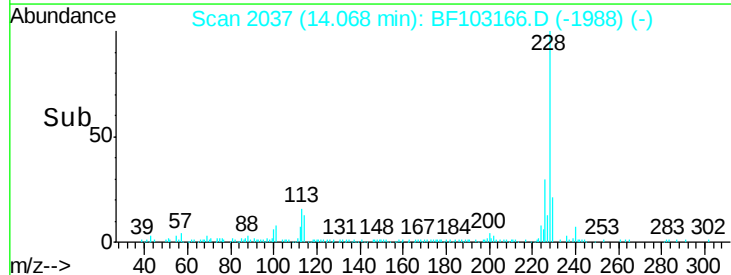
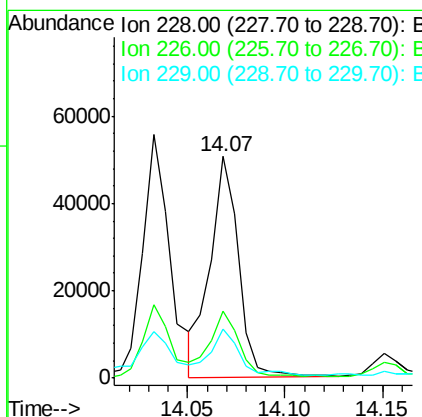
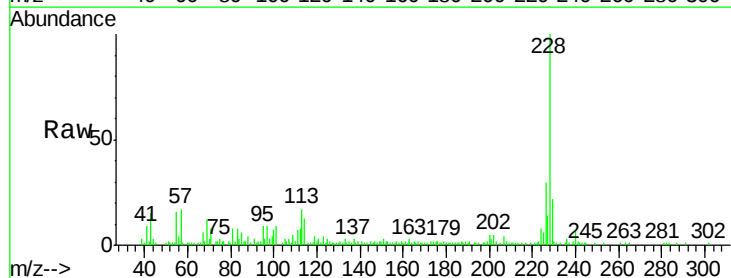
Instrument :
BNA_F
ClientSampleId :
2-2-DENSE-GRADE-AGG-RCA

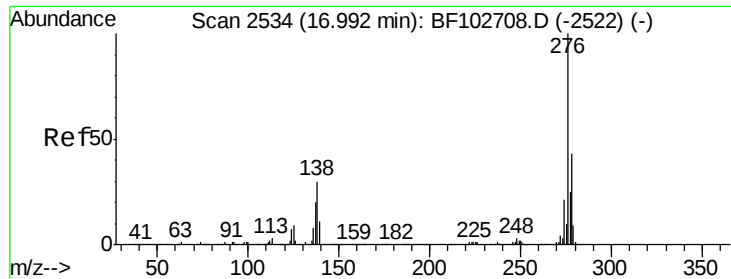
Tot Ion:228 Resp: 55775
Ion Ratio Lower Upper
228 100
226 29.9 22.6 33.8
229 19.3 15.8 23.6



#82
Chrysene
Concen: 3.076 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF103166.D
Acq: 22 Feb 2018 17:03

Tgt Ion:228 Resp: 51491
Ion Ratio Lower Upper
228 100
226 30.4 25.0 37.6
229 22.2 16.2 24.4

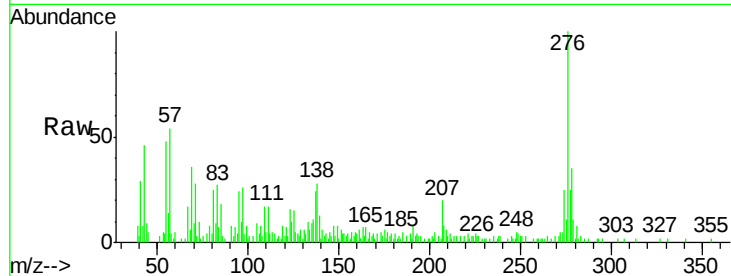




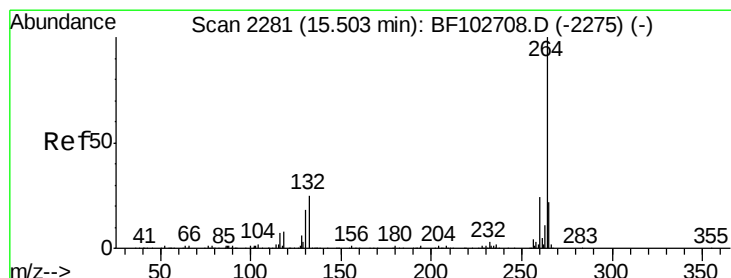
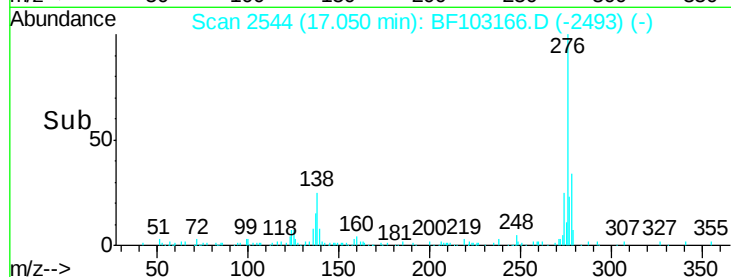
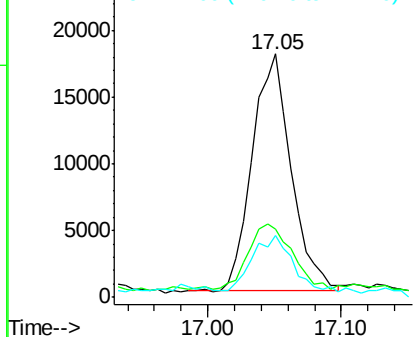
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.712 ng
 RT: 17.05 min Scan# 2544
 Delta R.T. -0.00 min
 Lab File: BF103166.D
 Acq: 22 Feb 2018 17:03

Instrument :
 BNA_F
 ClientSampleId :
 2-2-DENSE-GRADE-AGG-RCA

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.3	25.0	37.6
277	25.8	20.1	30.1

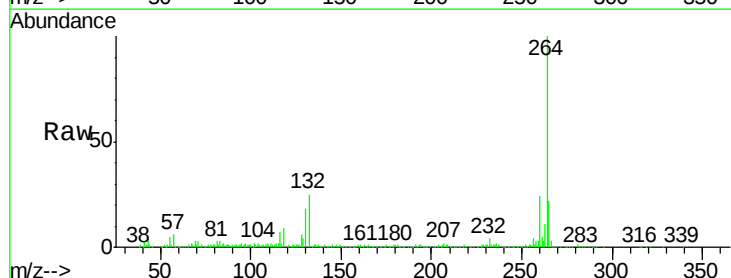


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

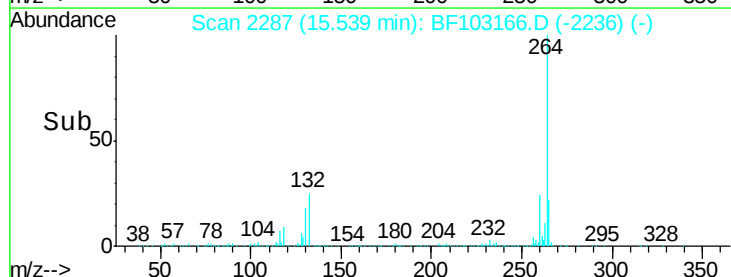
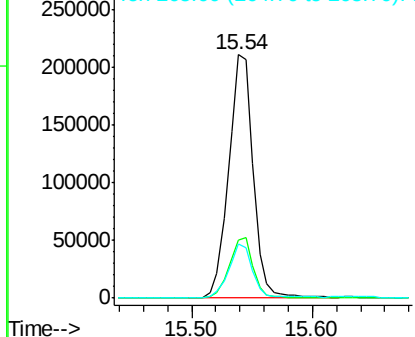


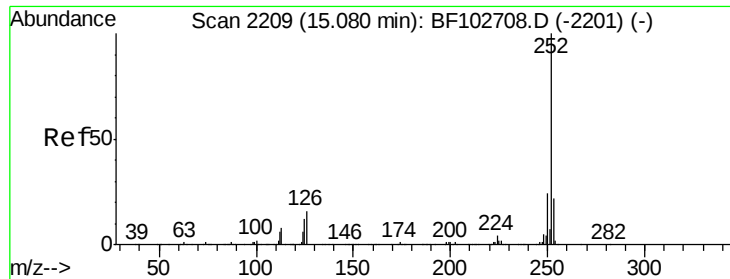
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2287
 Delta R.T. -0.00 min
 Lab File: BF103166.D
 Acq: 22 Feb 2018 17:03

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.4	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

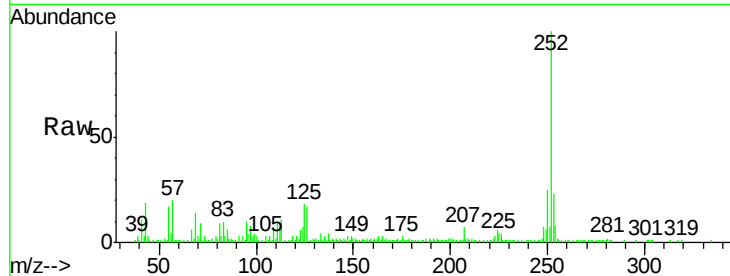




#87
Benzo(b)fluoranthene
Concen: 4.324 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.00 min
Lab File: BF103166.D
Acq: 22 Feb 2018 17:03

Instrument :
BNA_F
ClientSampleId :
2-2-DENSE-GRADE-AGG-RCA

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	18.5	9.0	13.6#

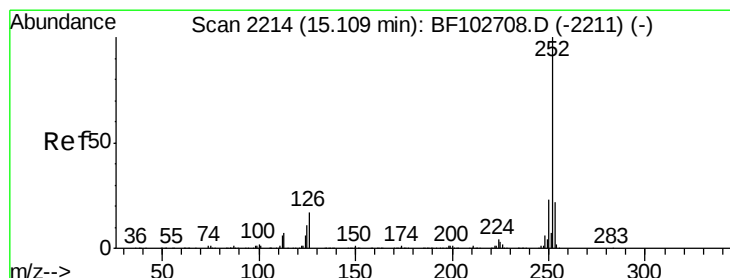
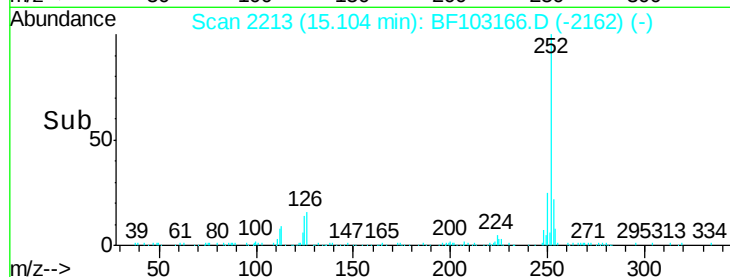
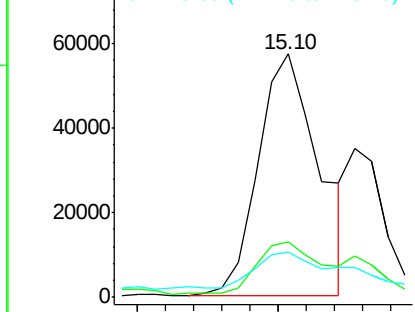


Abundance

Ion 252.00 (251.70 to 252.70): E

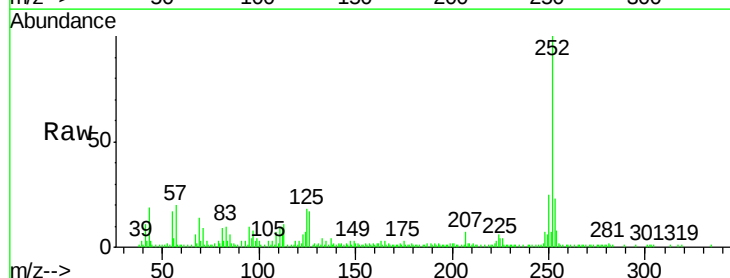
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 4.592 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.03 min
Lab File: BF103166.D
Acq: 22 Feb 2018 17:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	18.5	10.2	15.2#

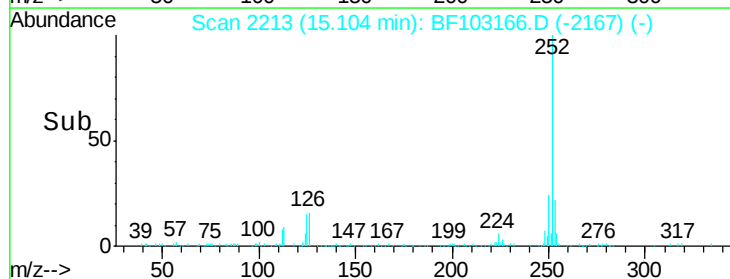
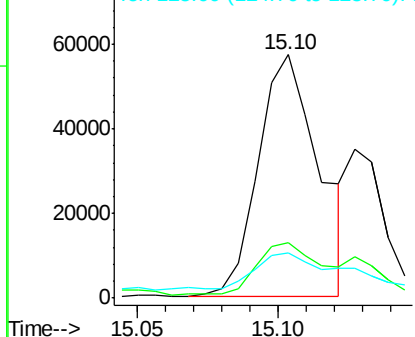


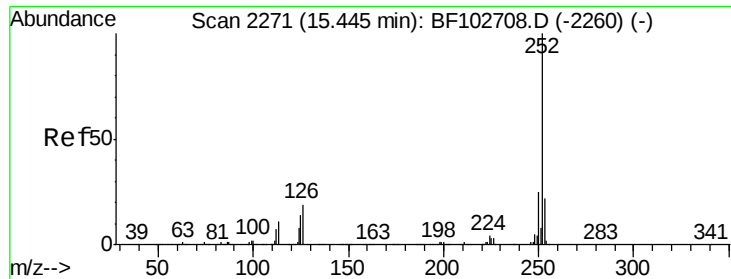
Abundance

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

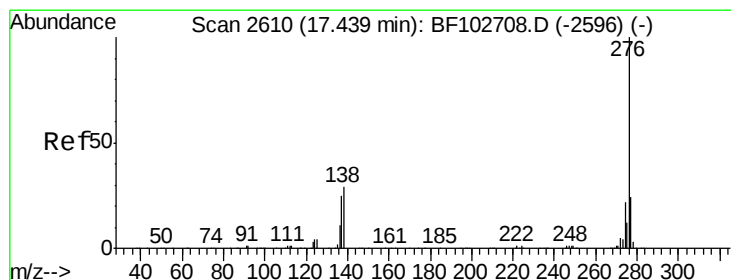
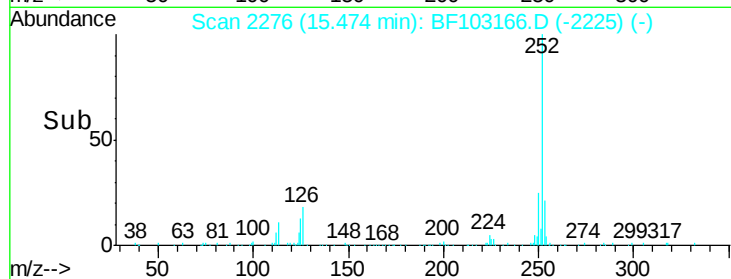
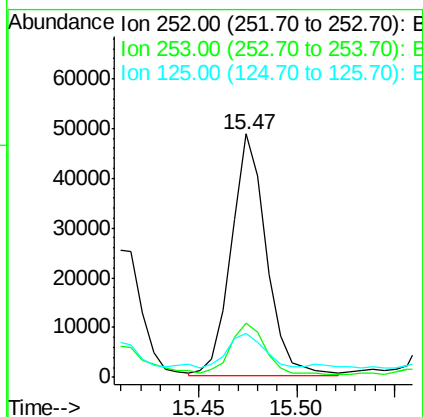
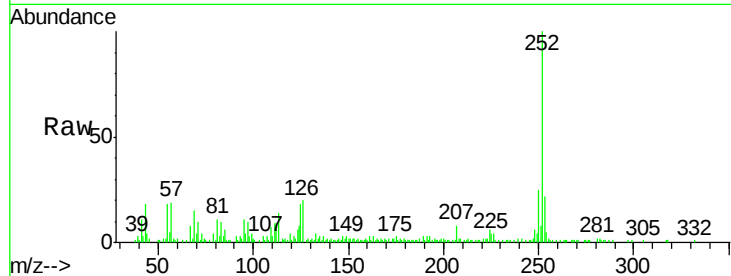




#89
Benzo(a)pyrene
Concen: 3.455 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.00 min
Lab File: BF103166.D
Acq: 22 Feb 2018 17:03

Instrument :
BNA_F
ClientSampleId :
2-2-DENSE-GRADE-AGG-RCA

Tot Ion:252 Resp: 60513
Ion Ratio Lower Upper
252 100
253 22.4 17.1 25.7
125 17.9 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 2.716 ng
RT: 17.51 min Scan# 2622
Delta R.T. -0.00 min
Lab File: BF103166.D
Acq: 22 Feb 2018 17:03

Tgt Ion:276 Resp: 35924
Ion Ratio Lower Upper
276 100
277 27.0 17.9 26.9#
138 35.1 21.8 32.8#

