

Data Path : Z:\HPCHEM1\BNA F\DATA\BF043018\
 Data File : BF104948.D
 Acq On : 30 Apr 2018 22:07
 Operator : JU/SJ
 Sample : J2158-07 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 01 04:39:31 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 30 15:20:08 2018
 Response via : Initial Calibration

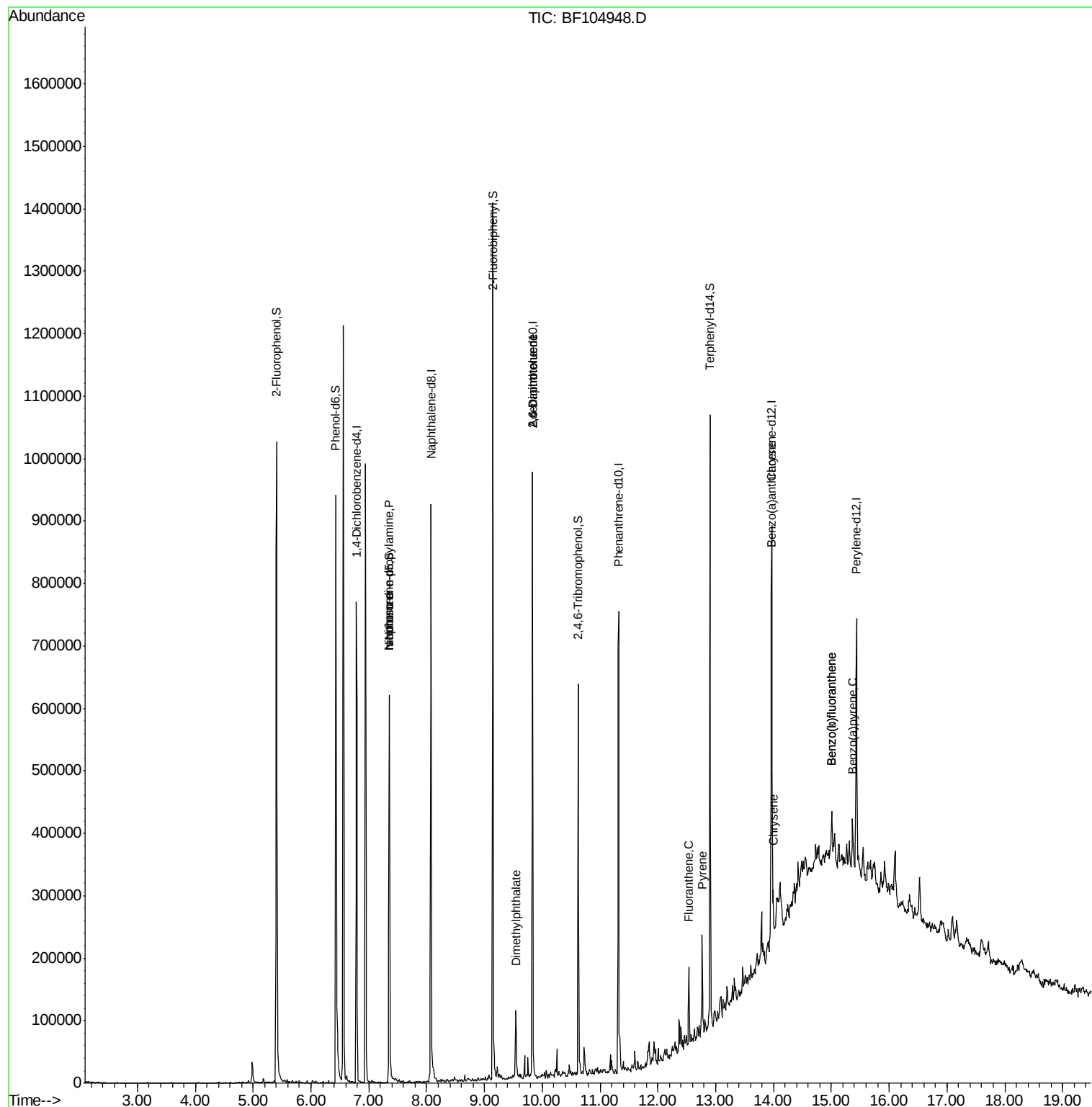
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	113507	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	453193	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	184921	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	285484	20.00	ng	0.00
75) Chrysene-d12	13.97	240	220985	20.00	ng	0.00
86) Perylene-d12	15.43	264	171298	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	342882	46.19	ng	0.00
7) Phenol-d6	6.43	99	408560	44.79	ng	-0.01
23) Nitrobenzene-d5	7.35	82	237033	34.15	ng	-0.02
41) 2,4,6-Tribromophenol	10.62	330	80174	41.80	ng	-0.01
44) 2-Fluorobiphenyl	9.15	172	441393	37.71	ng	-0.01
78) Terphenyl-d14	12.90	244	318583	32.87	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.56	77	7481	Below Cal		Qvalue 86
19) n-Nitroso-di-n-propylamine	7.35	70	30182	5.06 ng	#	76
25) Isophorone	7.35	82	237031	16.15 ng	#	64
49) Dimethylphthalate	9.55	163	47673	3.27 ng		99
50) 2,6-Dinitrotoluene	9.83	165	23392	8.67 ng	#	24
56) 2,4-Dinitrotoluene	9.83	165	23392	6.61 ng	#	22
74) Fluoranthene	12.53	202	45549	2.74 ng		96
76) Benzidine	12.66	184	252	Below Cal	#	1
77) Pyrene	12.76	202	56993	3.48 ng		98
80) Benzo(a)anthracene	13.96	228	28985	2.20 ng	#	89
82) Chrysene	13.99	228	29958	2.21 ng	#	95
87) Benzo(b)fluoranthene	15.01	252	43440	4.02 ng	#	69
88) Benzo(k)fluoranthene	15.01	252	43440	4.25 ng	#	73
89) Benzo(a)pyrene	15.37	252	23304	2.41 ng	#	80

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

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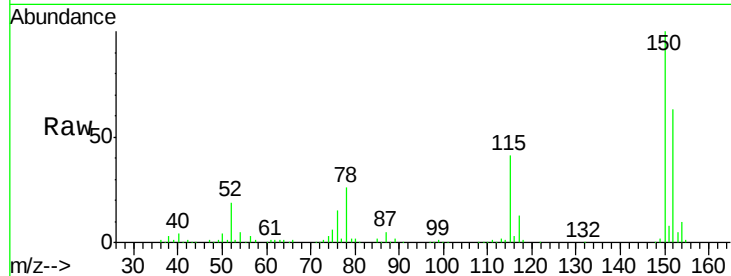


#1

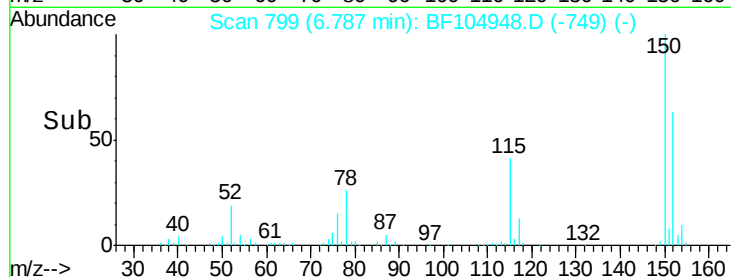
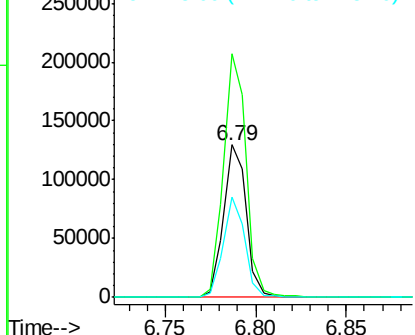
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF104948.D
Acq: 30 Apr 2018 22:07

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 113507
Ion Ratio Lower Upper
152 100
150 159.6 124.6 186.8
115 65.5 50.1 75.1



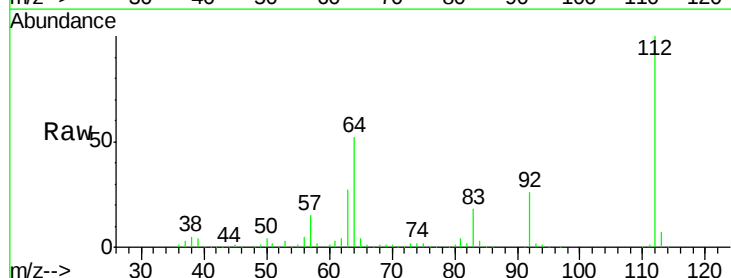
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



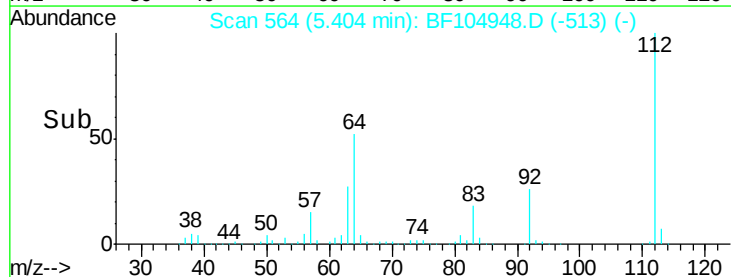
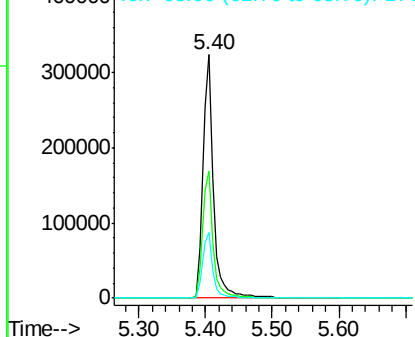
#5

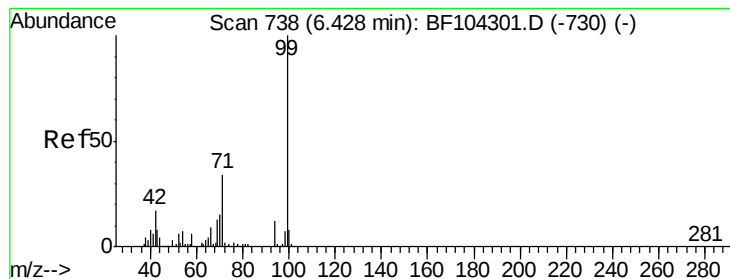
2-Fluorophenol
Concen: 46.19 ng
RT: 5.40 min Scan# 564
Delta R.T. 0.00 min
Lab File: BF104948.D
Acq: 30 Apr 2018 22:07

Tgt Ion:112 Resp: 342882
Ion Ratio Lower Upper
112 100
64 52.4 47.9 71.9
63 26.9 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: 44.79 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF104948.D

Acq: 30 Apr 2018 22:07

Instrument :

BNA_F

ClientSampled :

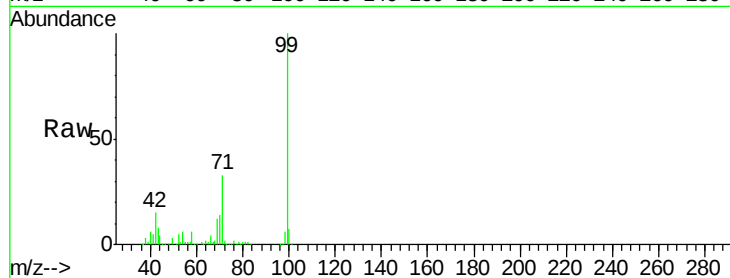
Tot Ion: 99 Resp: 408560

Ion Ratio Lower Upper

99 100

42 15.3 14.5 21.7

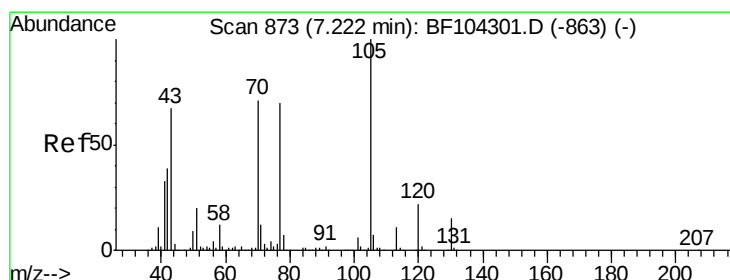
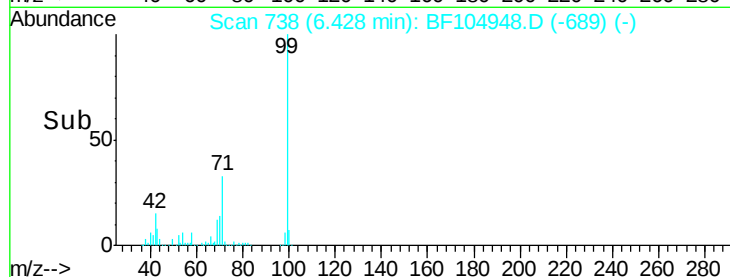
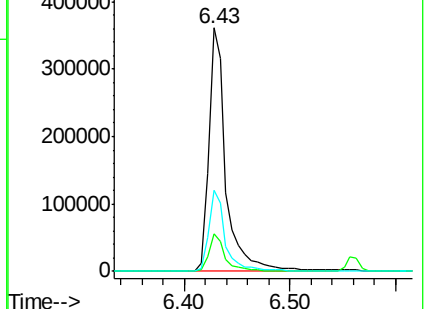
71 33.3 25.4 38.0



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: 5.06 ng

RT: 7.35 min Scan# 895

Delta R.T. 0.14 min

Lab File: BF104948.D

Acq: 30 Apr 2018 22:07

Tgt Ion: 70 Resp: 30182

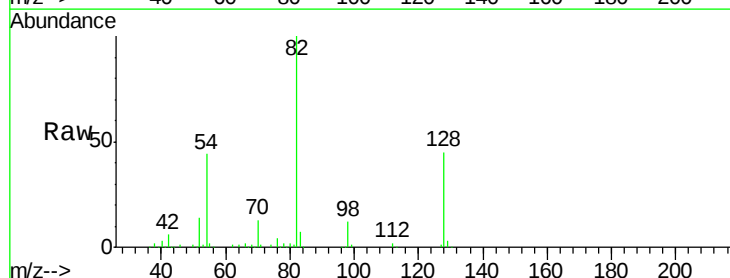
Ion Ratio Lower Upper

70 100

42 45.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.7 16.6 25.0#

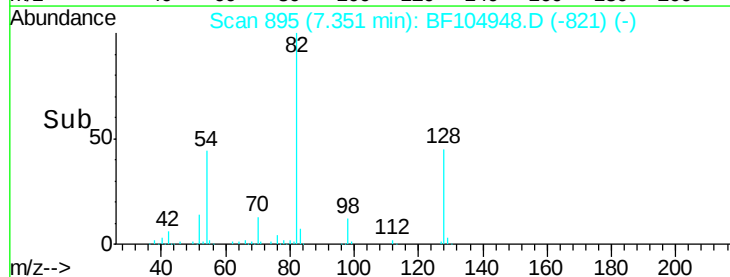
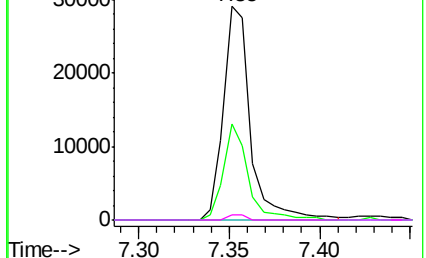


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

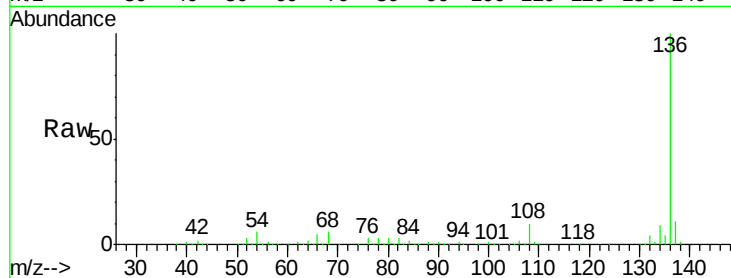




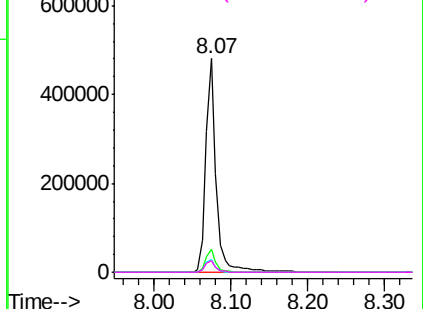
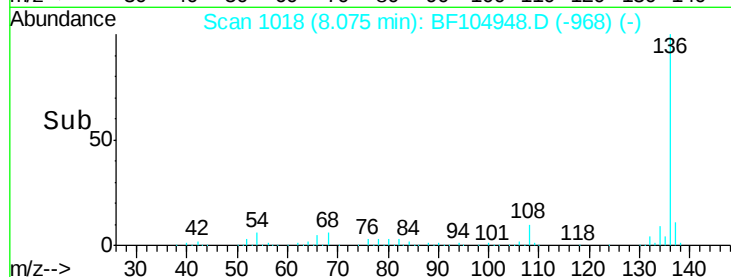
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF104948.D
Acq: 30 Apr 2018 22:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	453193
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	6.1	6.6 9.8#
68	5.6	5.0 7.4

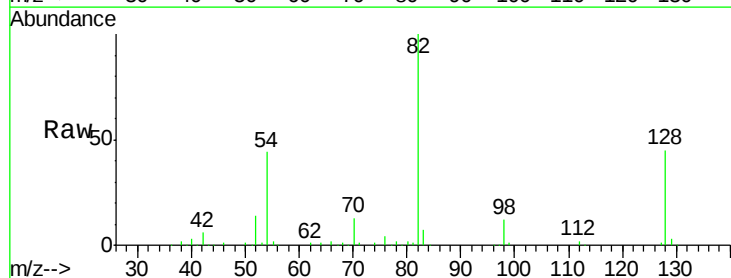


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

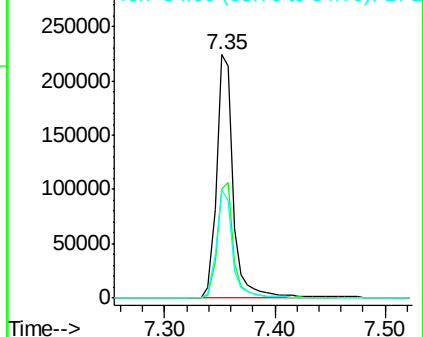
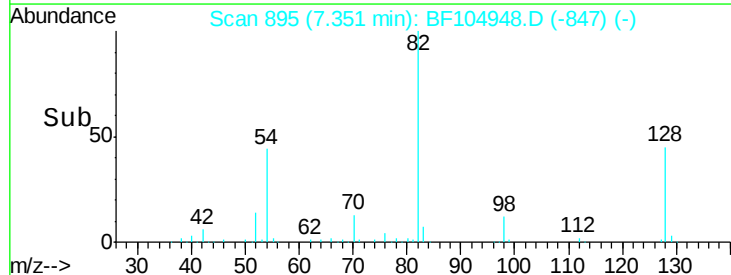


#23
Nitrobenzene-d5
Concen: 34.15 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.02 min
Lab File: BF104948.D
Acq: 30 Apr 2018 22:07

Tgt Ion: 82	Resp:	237033
Ion Ratio	Lower	Upper
82	100	
128	44.7	36.1 54.1
54	44.1	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: 16.15 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.27 min

Lab File: BF104948.D

Acq: 30 Apr 2018 22:07

Instrument :

BNA_F

ClientSampleId :

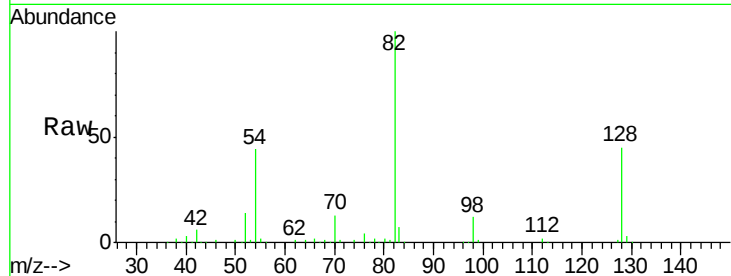
Tot Ion: 82 Resp: 237031

Ion Ratio Lower Upper

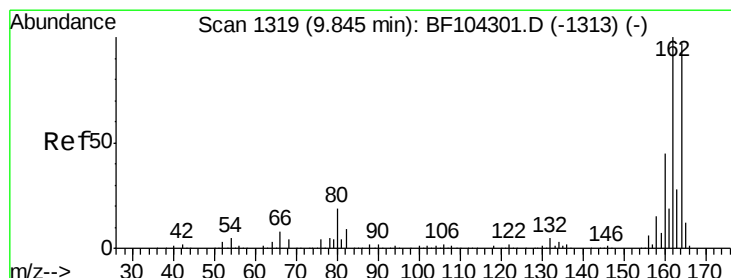
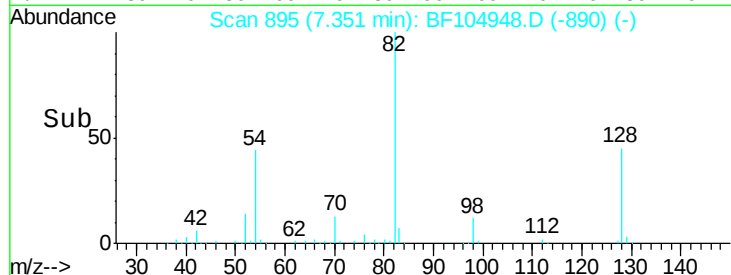
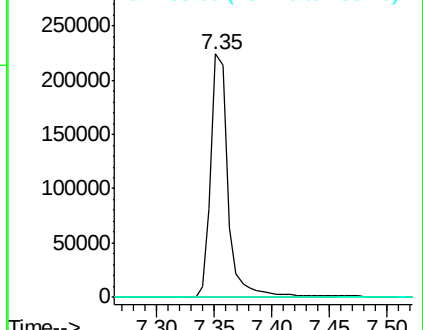
82 100

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: 20.00 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF104948.D

Acq: 30 Apr 2018 22:07

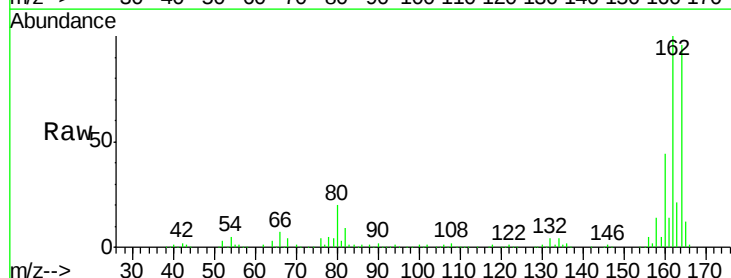
Tgt Ion:164 Resp: 184921

Ion Ratio Lower Upper

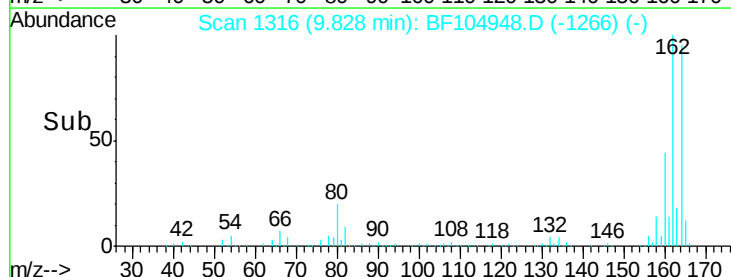
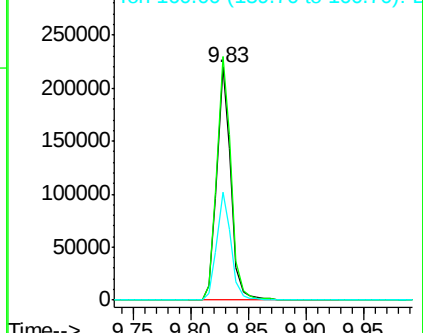
164 100

162 104.6 86.1 129.1

160 46.5 38.3 57.5



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

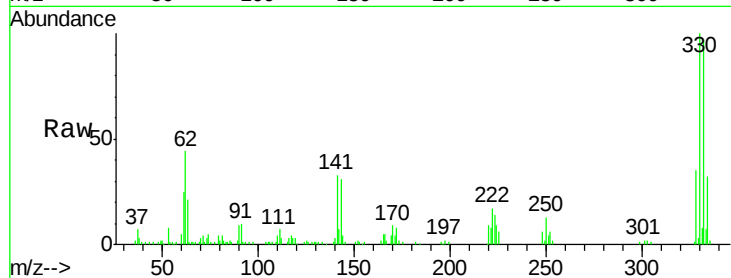




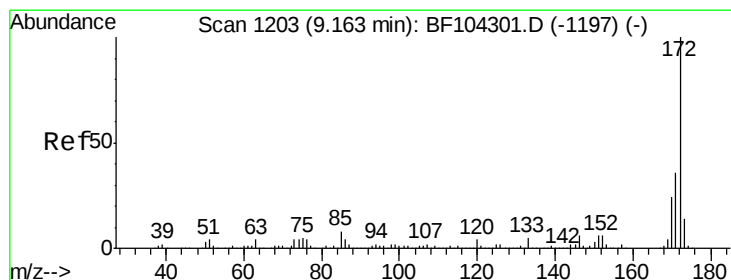
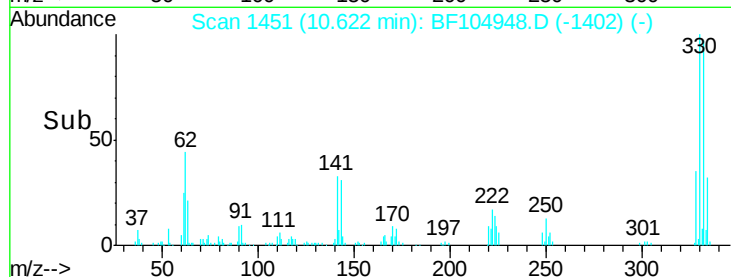
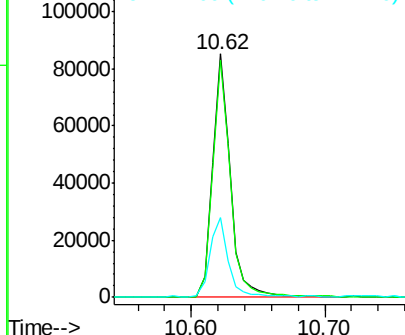
#41
 2,4,6-Tribromophenol
 Concen: 41.80 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF104948.D
 Acq: 30 Apr 2018 22:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 80174
 Ion Ratio Lower Upper
 330 100
 332 97.3 77.0 115.6
 141 34.9 29.9 44.9

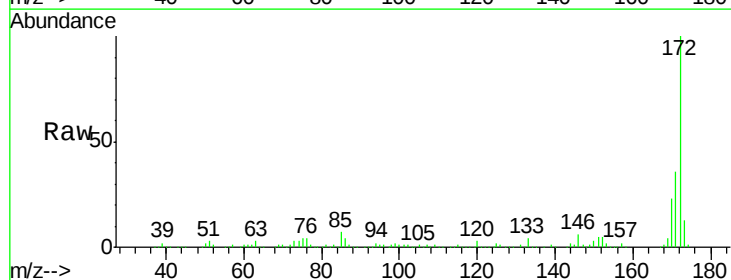


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

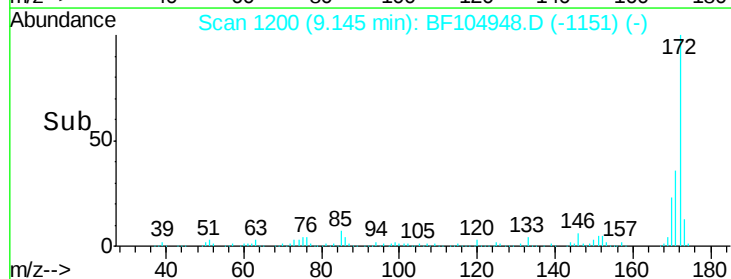
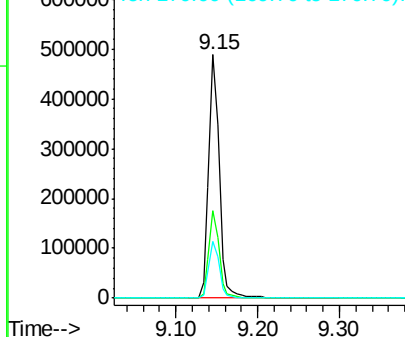


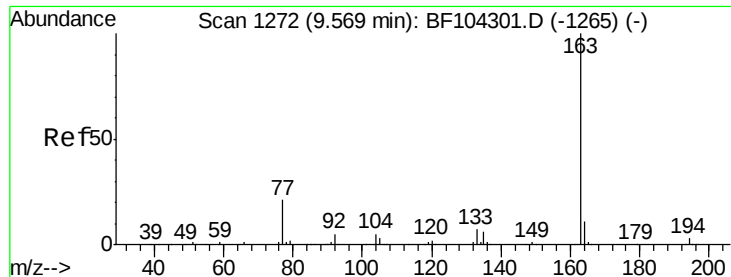
#44
 2-Fluorobiphenyl
 Concen: 37.71 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF104948.D
 Acq: 30 Apr 2018 22:07

Tgt Ion:172 Resp: 441393
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 23.4 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

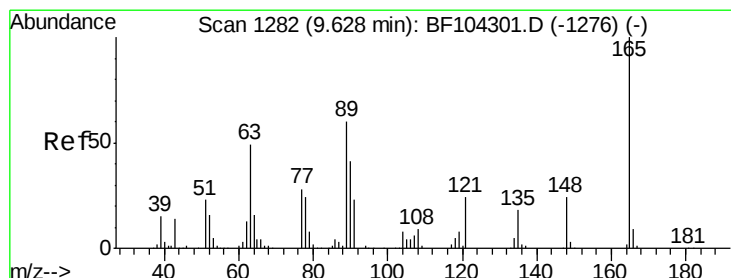
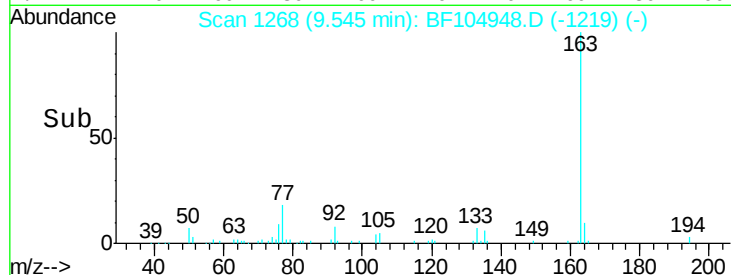
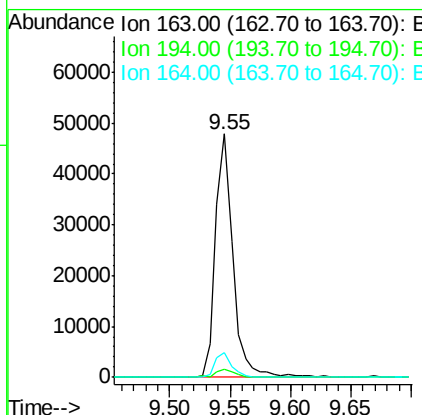
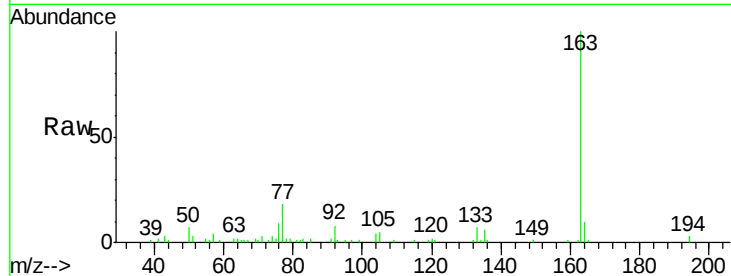




#49
Dimethylphthalate
Concen: 3.27 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF104948.D
Acq: 30 Apr 2018 22:07

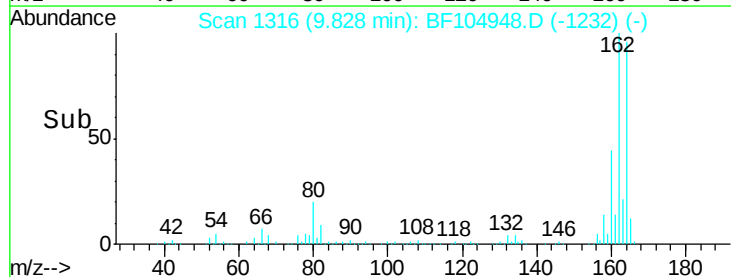
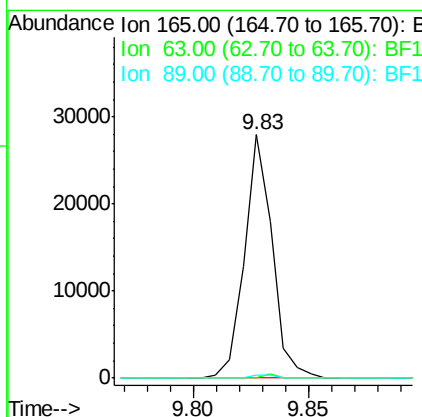
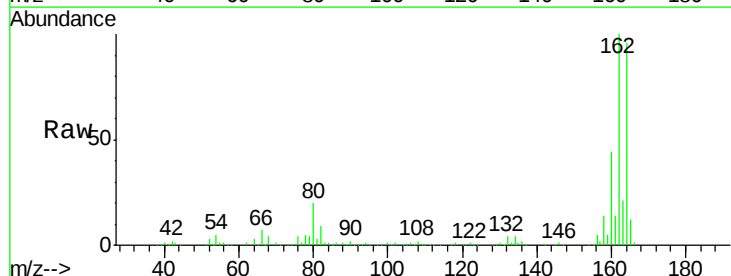
Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 47673
Ion Ratio Lower Upper
163 100
194 3.1 2.7 4.1
164 10.1 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 8.67 ng
RT: 9.83 min Scan# 1316
Delta R.T. 0.19 min
Lab File: BF104948.D
Acq: 30 Apr 2018 22:07

Tgt Ion:165 Resp: 23392
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 1.3 44.0 66.0#

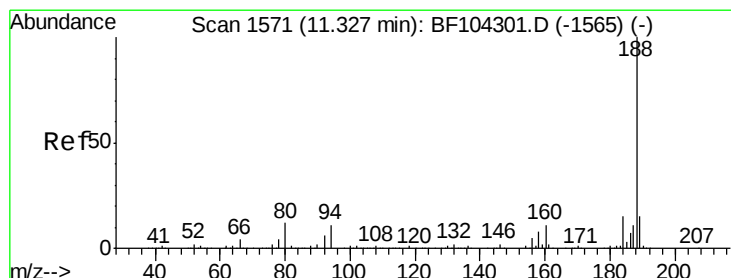
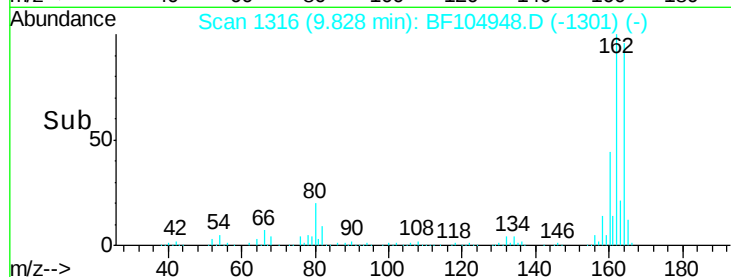
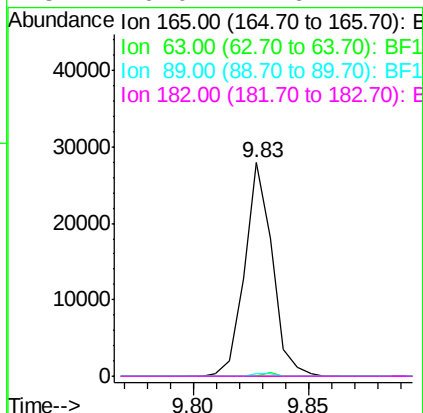
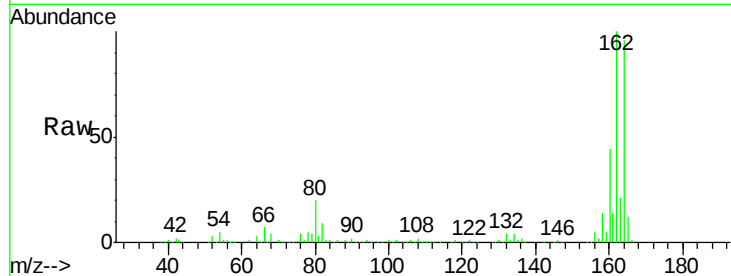




#56
 2,4-Dinitrotoluene
 Concen: 6.61 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.21 min
 Lab File: BF104948.D
 Acq: 30 Apr 2018 22:07

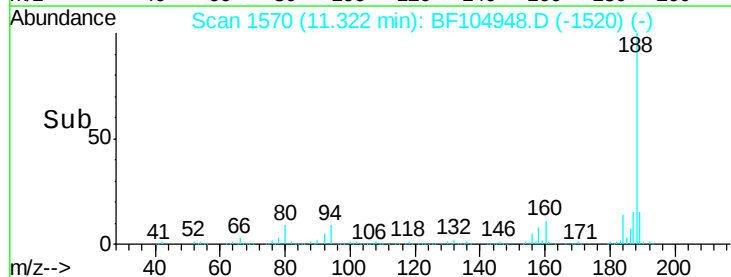
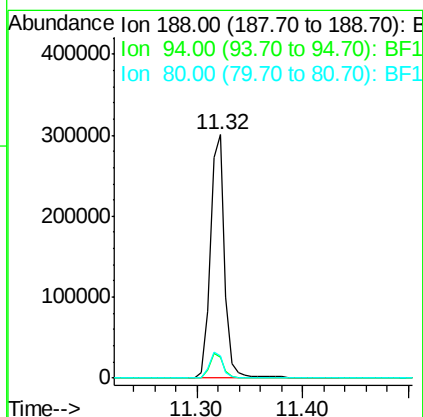
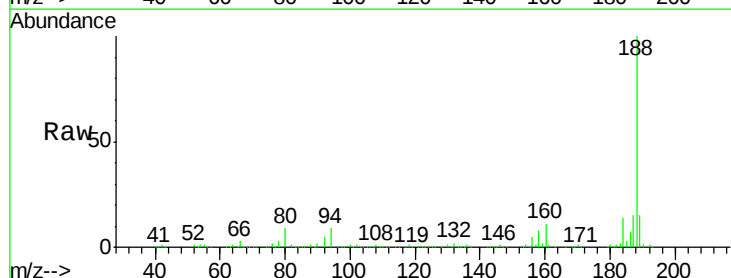
Instrument :
 BNA_F
 ClientSampleId :

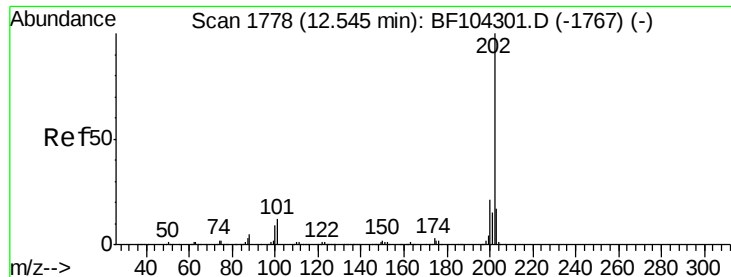
Tot Ion:	165	Resp:	23392
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF104948.D
 Acq: 30 Apr 2018 22:07

Tgt Ion:	188	Resp:	285484
Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.5	12.7
80	9.4	9.2	13.8

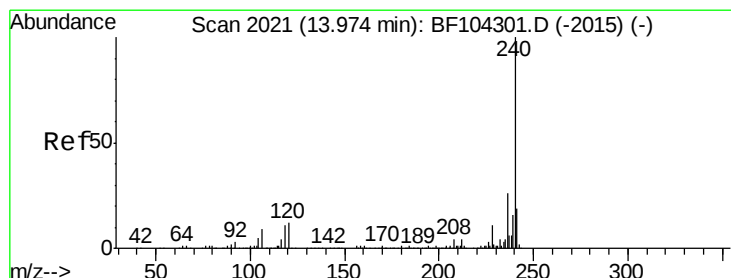
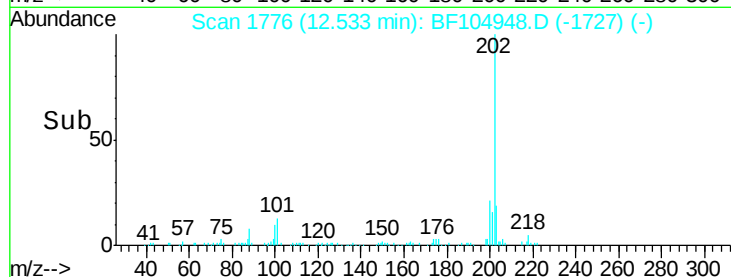
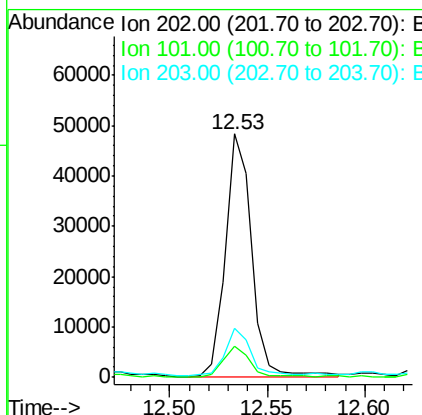
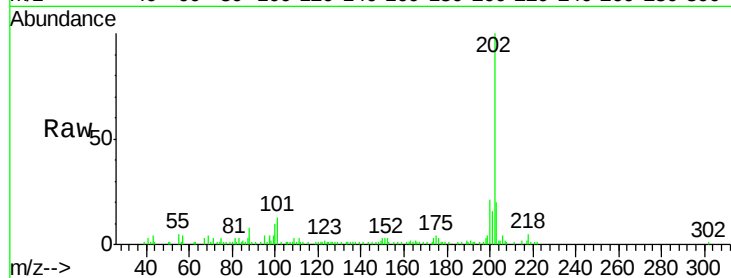




#74
Fluoranthene
Concen: 2.74 ng
RT: 12.53 min Scan# 1776
Delta R.T. -0.01 min
Lab File: BF104948.D
Acq: 30 Apr 2018 22:07

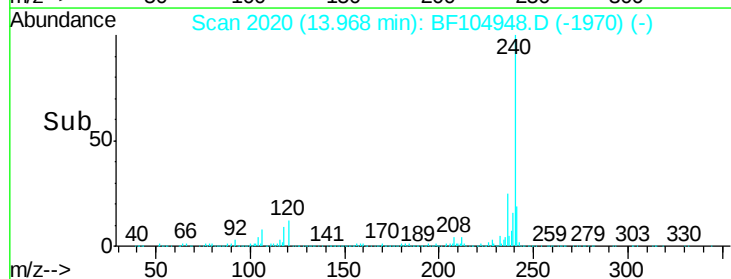
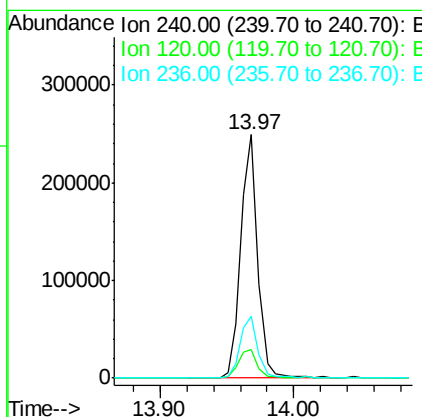
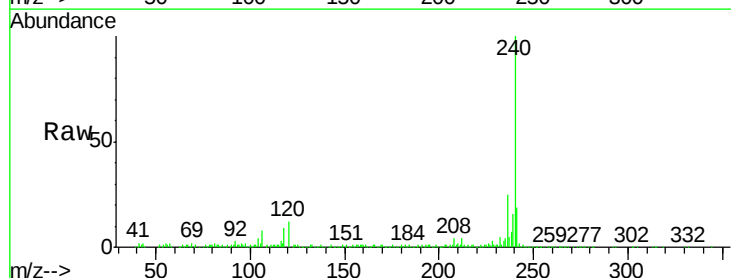
Instrument :
BNA_F
ClientSampleId :

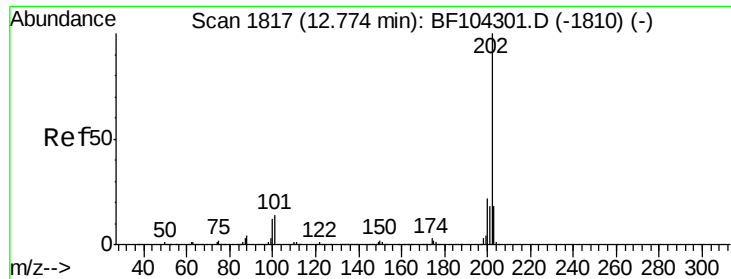
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	34.1
203	20.1	0.0	38.1



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF104948.D
Acq: 30 Apr 2018 22:07

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.5	14.3
236	25.4	20.7	31.1





#77

Pvrene

Concen: 3.48 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF104948.D

Acq: 30 Apr 2018 22:07

Instrument :

BNA_F

ClientSampleId :

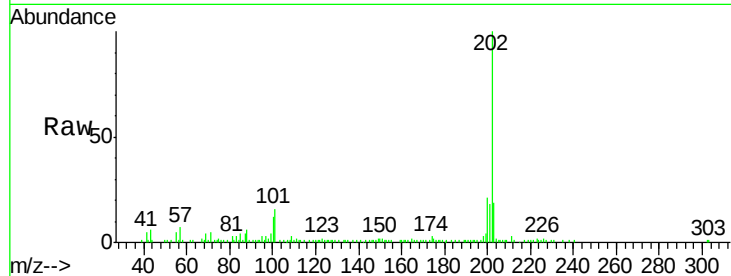
Tot Ion:202 Resp: 56993

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

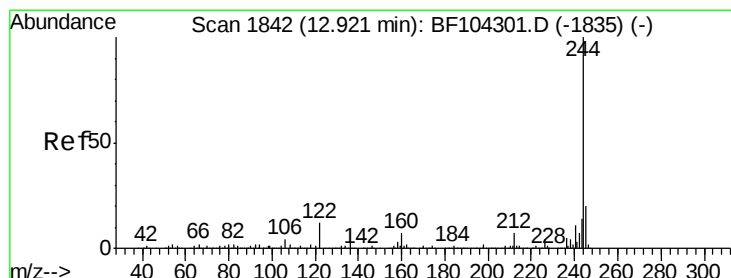
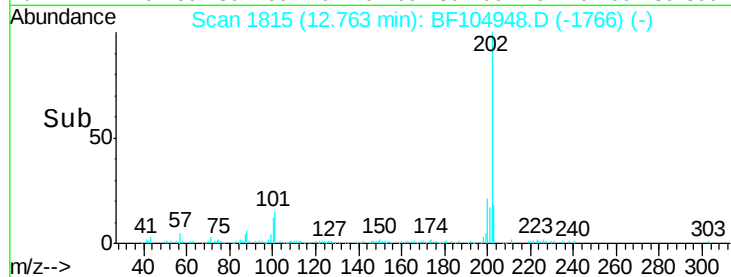
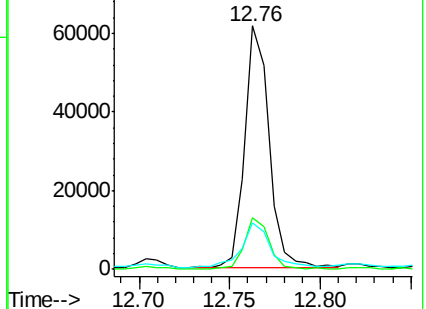
203 19.2 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 32.87 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF104948.D

Acq: 30 Apr 2018 22:07

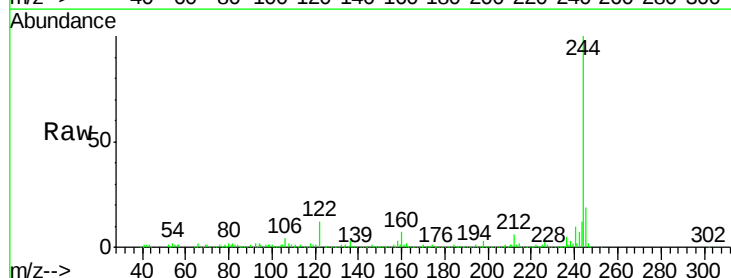
Tgt Ion:244 Resp: 318583

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

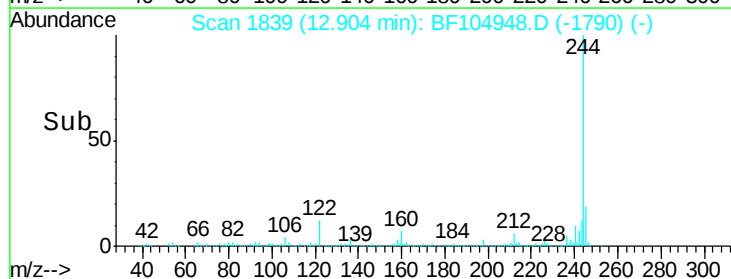
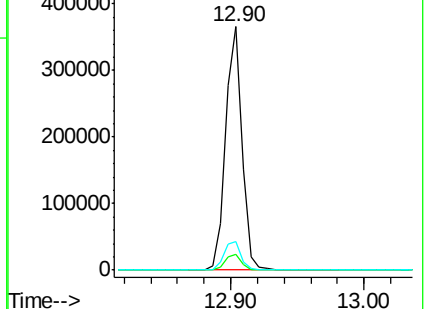
122 11.7 11.0 16.4

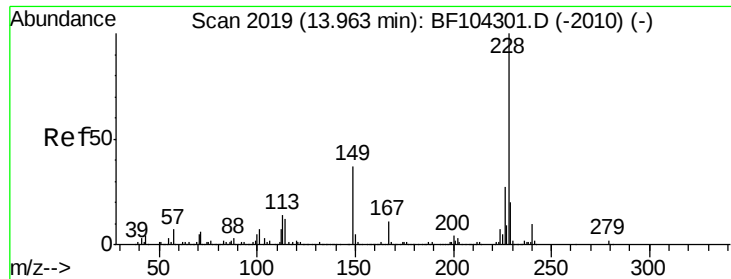


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

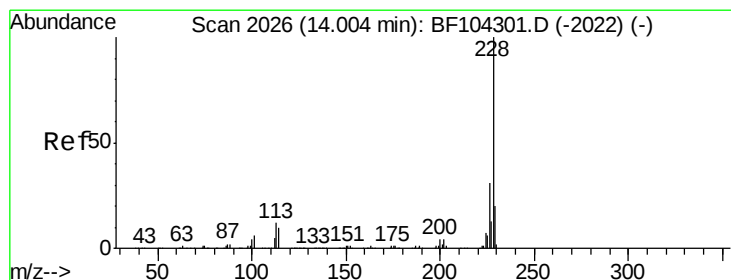
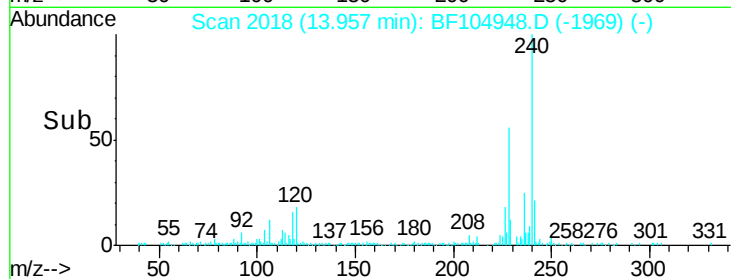
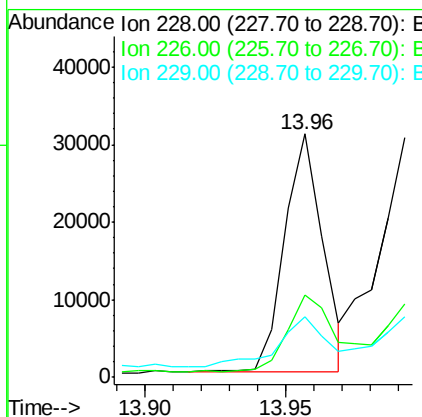
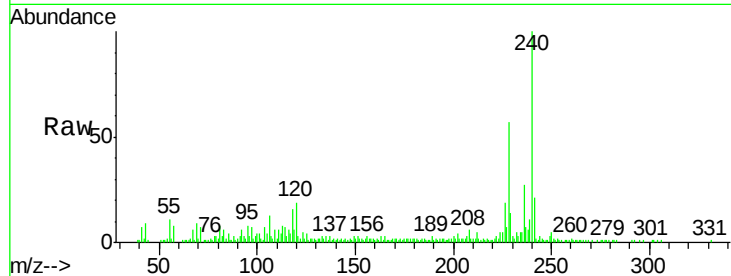




#80
Benzo(a)anthracene
Concen: 2.20 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF104948.D
Acq: 30 Apr 2018 22:07

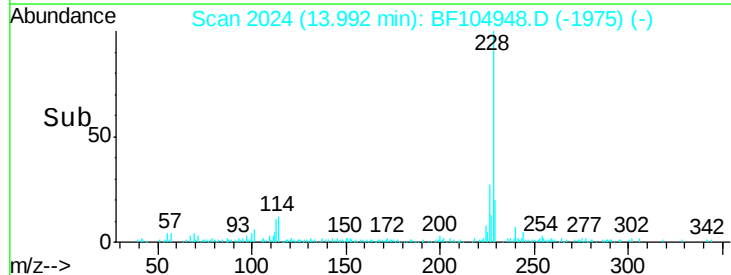
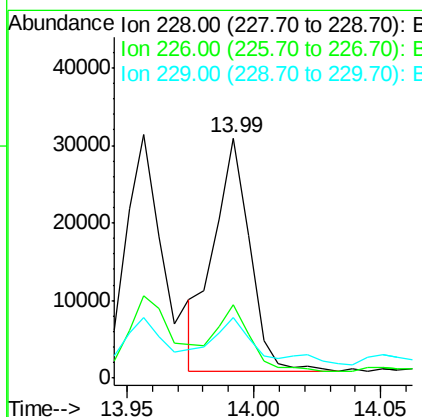
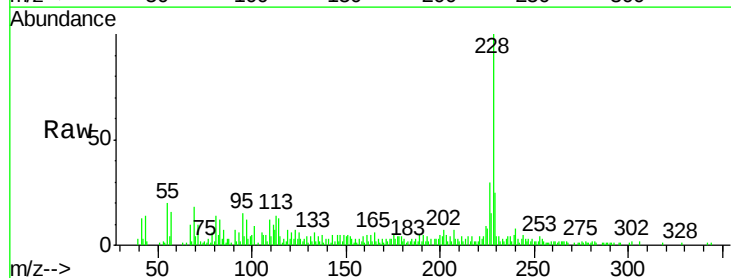
Instrument :
BNA_F
ClientSampleId :

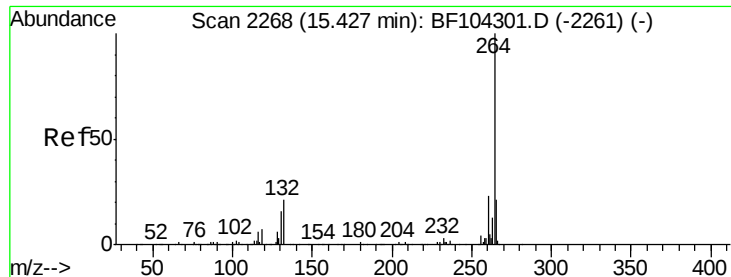
Tot Ion	Ratio	Lower	Upper
228	100		
226	33.7	22.6	33.8
229	24.7	15.8	23.6



#82
Chrysene
Concen: 2.21 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF104948.D
Acq: 30 Apr 2018 22:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.6
229	25.1	16.2	24.4





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.43 min Scan# 2269

Delta R.T. -0.01 min

Lab File: BF104948.D

Acq: 30 Apr 2018 22:07

Instrument :

BNA_F

ClientSampleId :

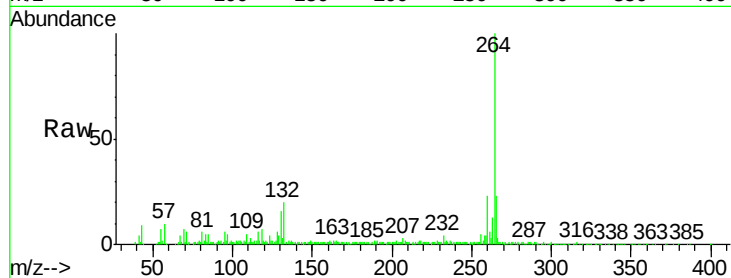
Tot Ion:264 Resp: 171298

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

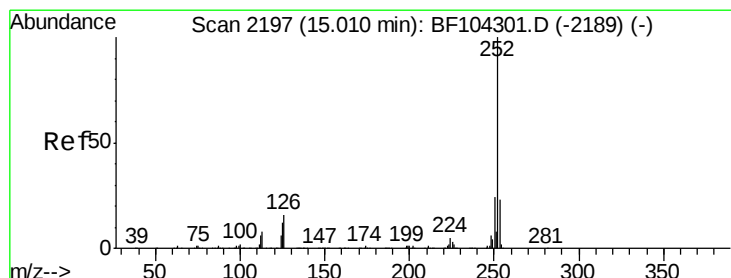
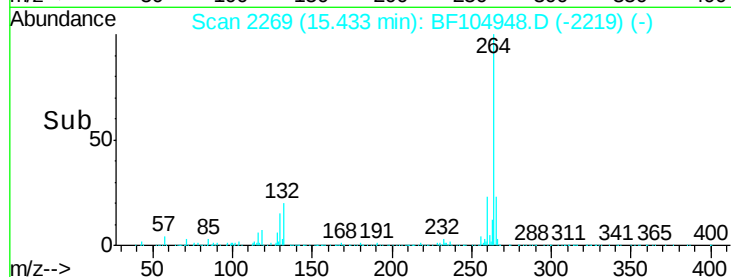
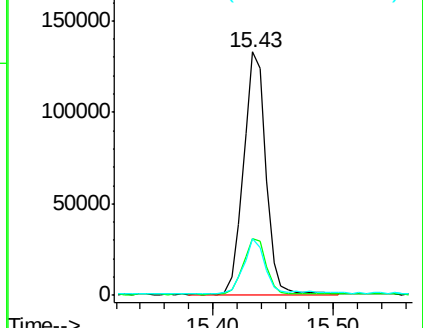
265 23.1 17.5 26.3



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



#87

Benzo(b)fluoranthene

Concen: 4.02 ng

RT: 15.01 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BF104948.D

Acq: 30 Apr 2018 22:07

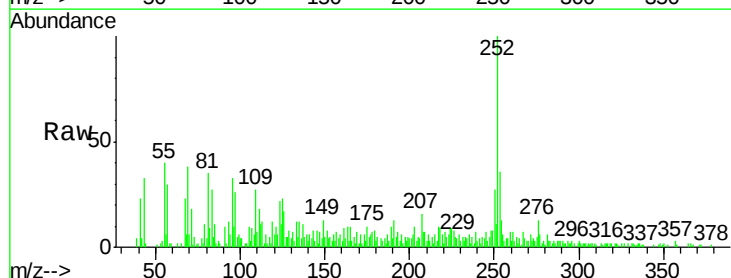
Tgt Ion:252 Resp: 43440

Ion Ratio Lower Upper

252 100

253 35.7 17.0 25.6#

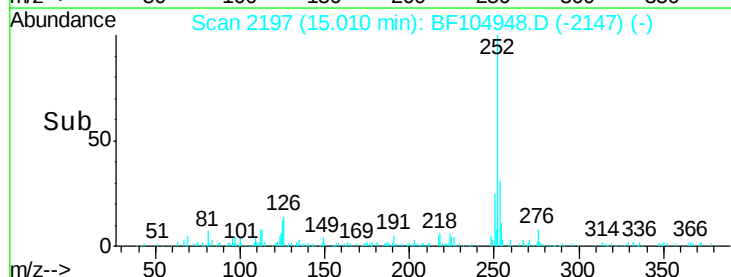
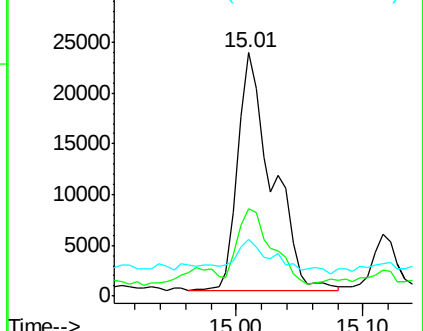
125 23.1 9.0 13.6#

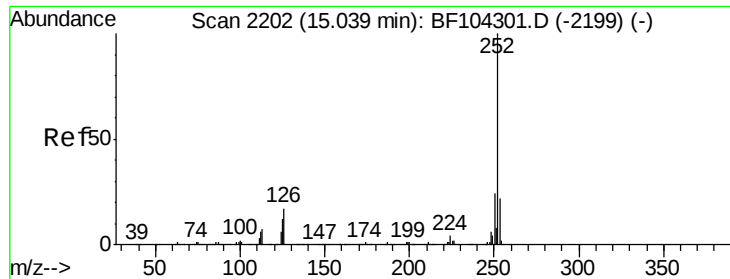


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

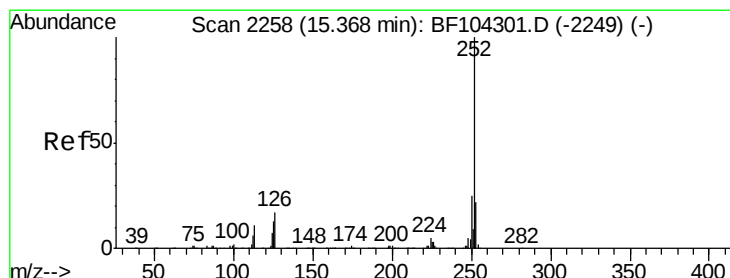
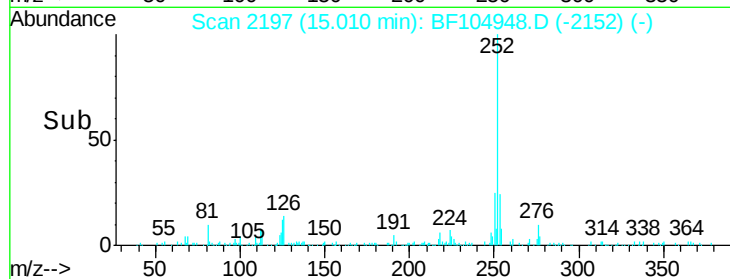
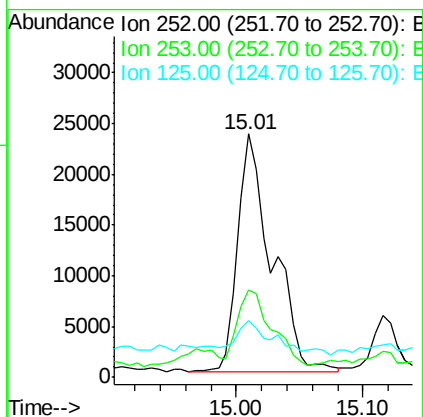
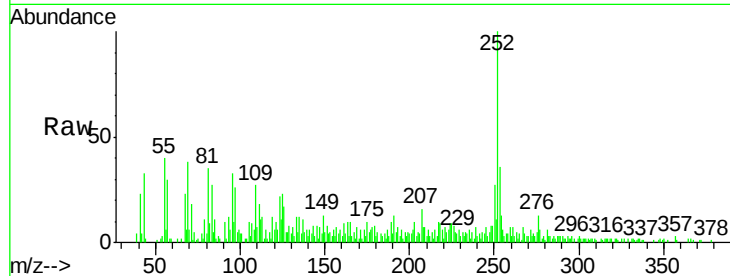




#88
Benzo(k)fluoranthene
Concen: 4.25 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.04 min
Lab File: BF104948.D
Acq: 30 Apr 2018 22:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	35.7	17.9	26.9#
125	23.1	10.2	15.2#



#89
Benzo(a)pyrene
Concen: 2.41 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF104948.D
Acq: 30 Apr 2018 22:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.9	17.1	25.7#
125	25.7	9.8	14.6#

