

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF120817\
 Data File : BF101245.D
 Acq On : 8 Dec 2017 19:31
 Operator : SJ/JU
 Sample : I6684-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 08 21:43:00 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

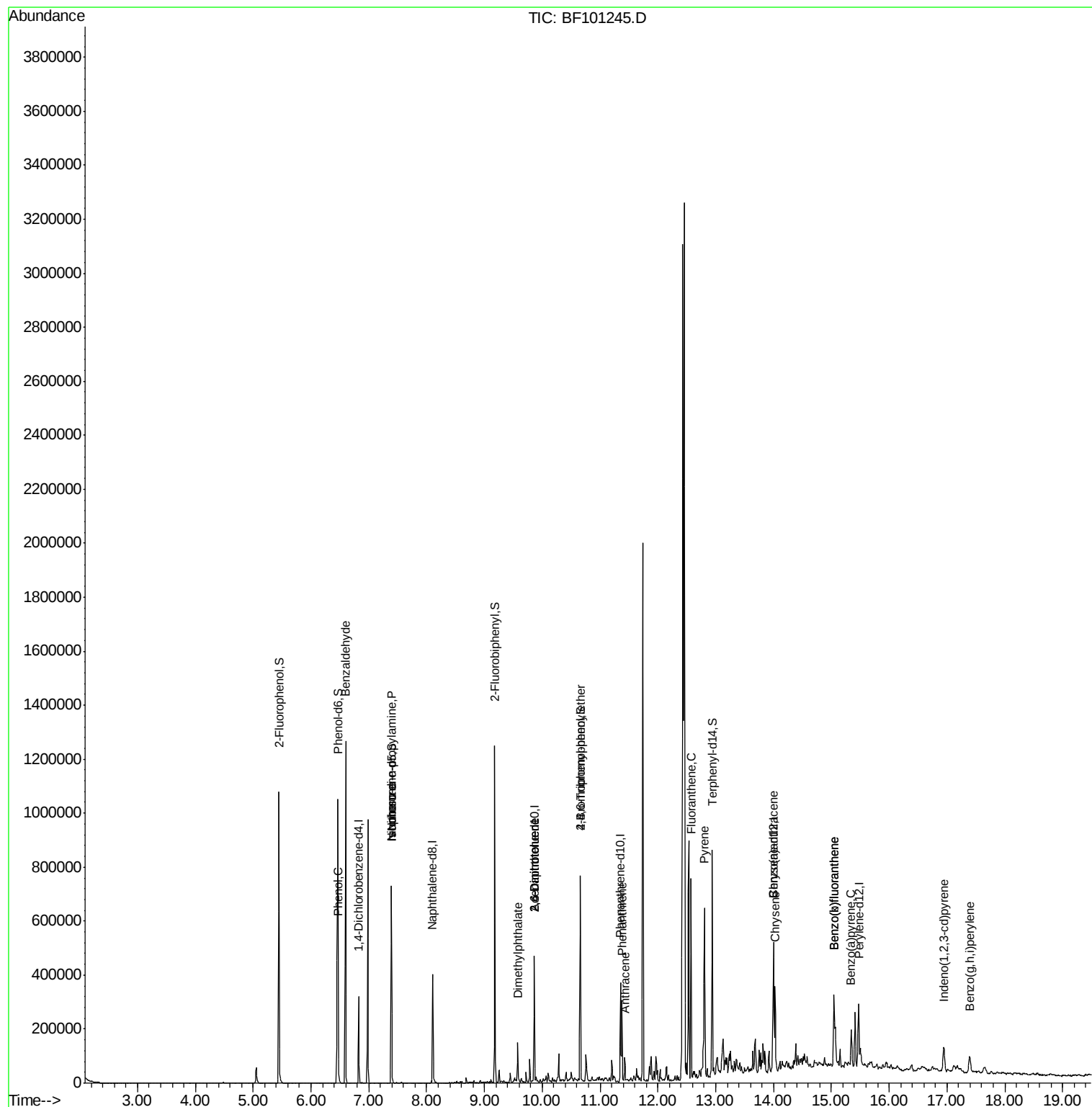
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	48482	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	190677	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	82511	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	139101	20.00	ng	0.00
75) Chrysene-d12	14.00	240	101952	20.00	ng	0.00
86) Perylene-d12	15.47	264	107389	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	303975	103.61	ng	0.00
7) Phenol-d6	6.46	99	363259	101.98	ng	0.00
23) Nitrobenzene-d5	7.39	82	219491	68.67	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	87477	88.25	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	377836	62.65	ng	0.00
78) Terphenyl-d14	12.94	244	274126	58.81	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.60	77	6601	3.028	ng	84
10) Phenol	6.47	94	14157	3.574	ng	99
19) n-Nitroso-di-n-propylamine	7.39	70	28427	11.850	ng	# 80
25) Isophorone	7.39	82	219488	40.200	ng	# 64
49) Dimethylphthalate	9.57	163	44748	6.725	ng	97
50) 2,6-Dinitrotoluene	9.86	165	11554	8.244	ng	# 24
56) 2,4-Dinitrotoluene	9.86	165	11554	6.151	ng	# 21
66) 4-Bromophenyl-phenylether	10.66	248	5499	3.532	ng	# 1
70) Phenanthrene	11.38	178	118337	15.448	ng	95
71) Anthracene	11.43	178	32359	4.174	ng	97
74) Fluoranthene	12.57	202	274587	32.338	ng	95
77) Pyrene	12.80	202	243735	34.646	ng	98
80) Benzo(a)anthracene	13.99	228	148460	23.063	ng	100
82) Chrysene	14.03	228	113064	18.913	ng	96
85) Indeno(1,2,3-cd)pyrene	16.94	276	52489	9.876	ng	# 91
87) Benzo(b)fluoranthene	15.04	252	191688	29.801	ng	98
88) Benzo(k)fluoranthene	15.04	252	191688	30.248	ng	98
89) Benzo(a)pyrene	15.34	252	63913	10.929	ng	97
91) Benzo(a,h,i)perylene	17.40	276	47887	9.856	ng	# 91

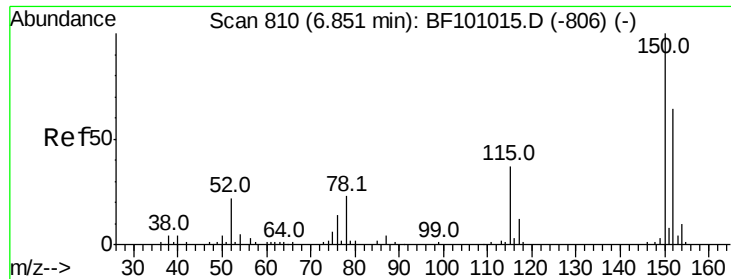
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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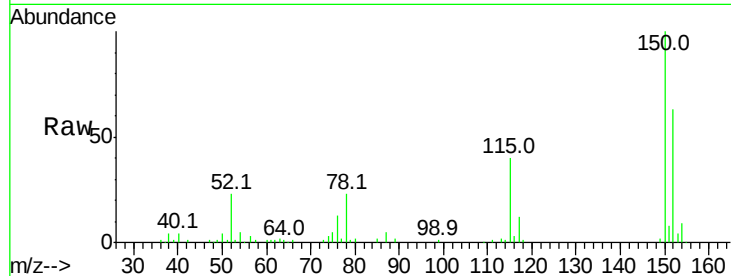


#1

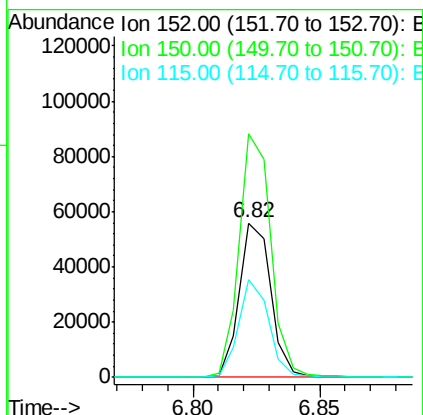
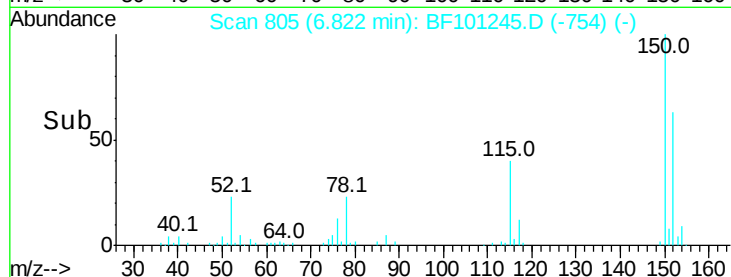
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF101245.D
Acq: 8 Dec 2017 19:31

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 48482
Ion Ratio Lower Upper
152 100
150 158.0 124.6 186.8
115 63.4 50.1 75.1



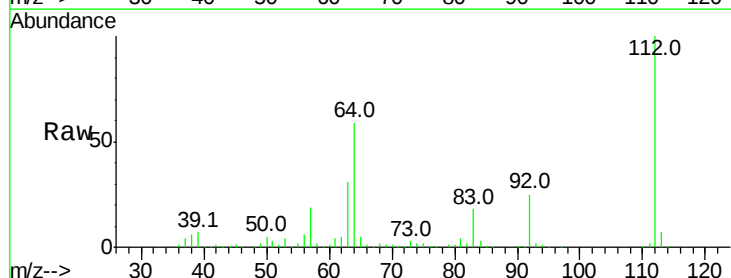
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



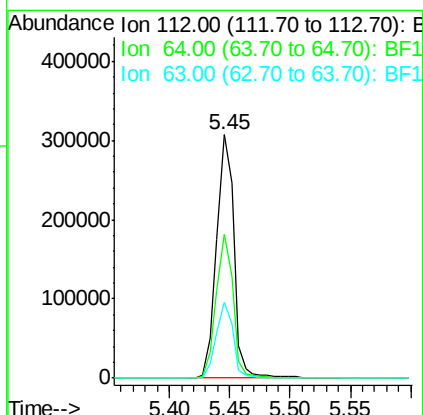
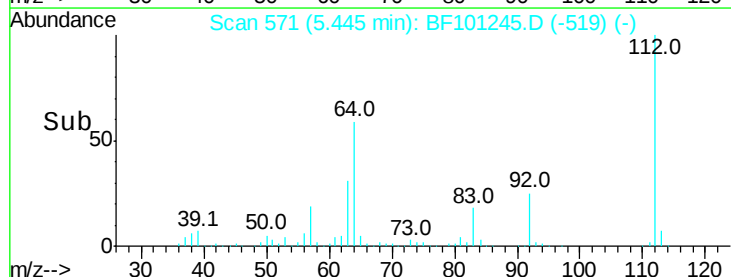
#5

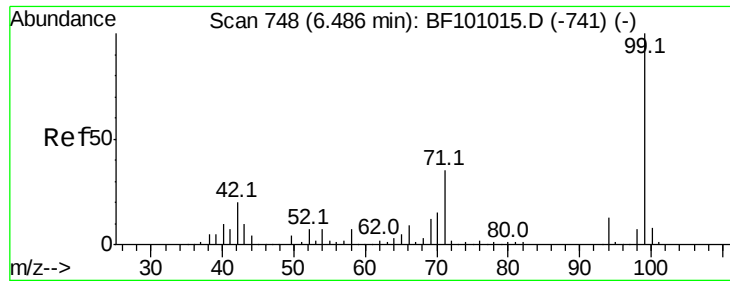
2-Fluorophenol
Concen: 103.606 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF101245.D
Acq: 8 Dec 2017 19:31

Tgt Ion:112 Resp: 303975
Ion Ratio Lower Upper
112 100
64 59.0 47.9 71.9
63 31.4 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: 101.979 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF101245.D

Acq: 8 Dec 2017 19:31

Instrument :

BNA_F

ClientSampled :

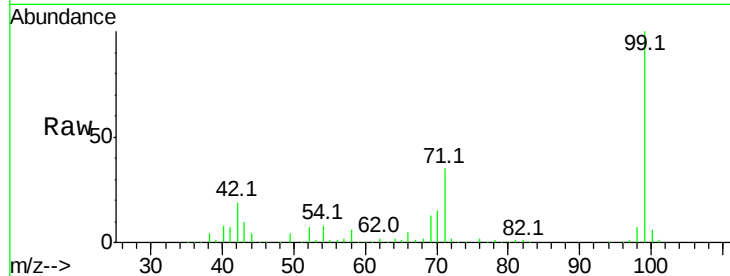
Tot Ion: 99 Resp: 363259

Ion Ratio Lower Upper

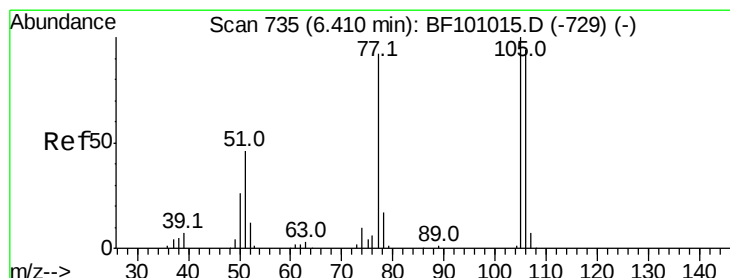
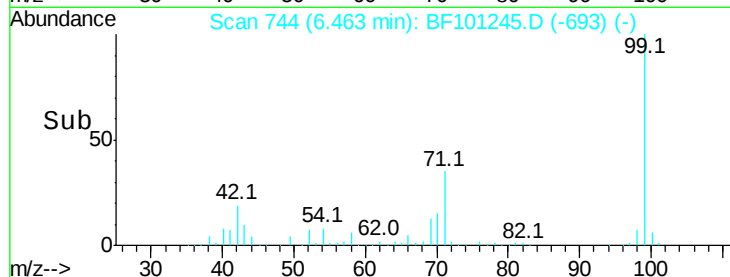
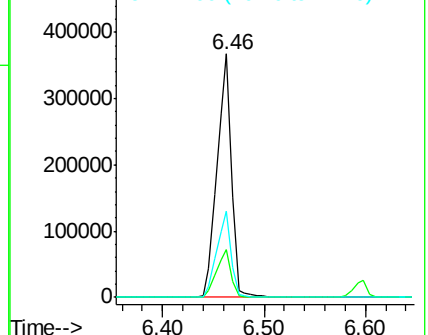
99 100

42 19.5 14.5 21.7

71 35.3 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



#9

Benzaldehyde

Concen: 3.028 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.22 min

Lab File: BF101245.D

Acq: 8 Dec 2017 19:31

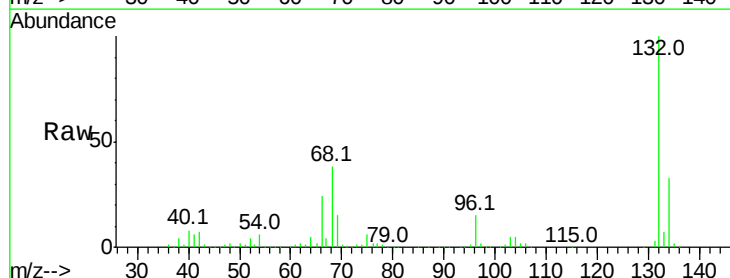
Tgt Ion: 77 Resp: 6601

Ion Ratio Lower Upper

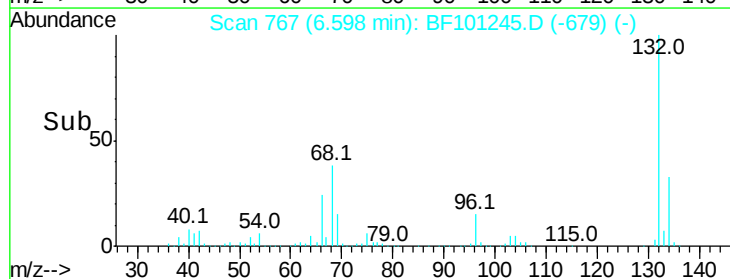
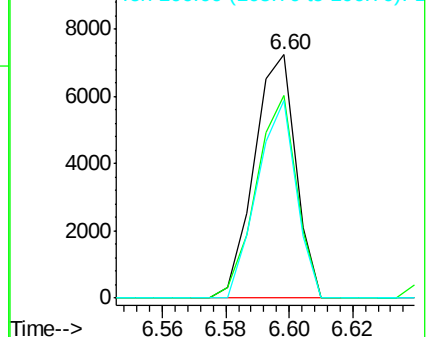
77 100

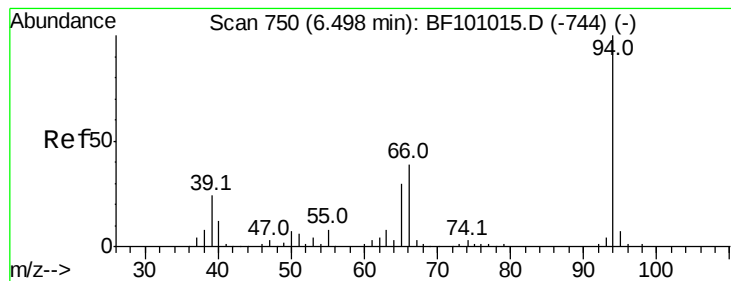
105 83.0 81.1 121.1

106 81.1 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 3.574 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF101245.D

Acq: 8 Dec 2017 19:31

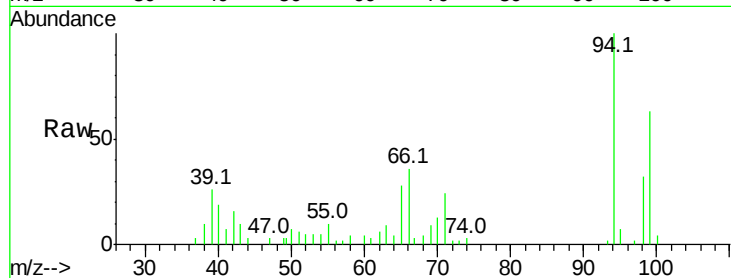
Instrument :

BNA_F

ClientSampled :

Tot Ion: 94 Resp: 14157

Ion	Ratio	Lower	Upper
94	100		
65	28.4	7.9	47.9
66	35.6	16.2	56.2

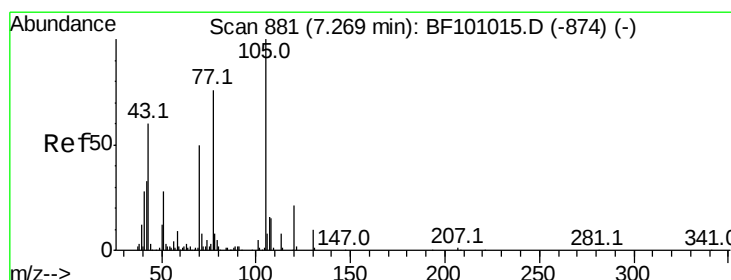
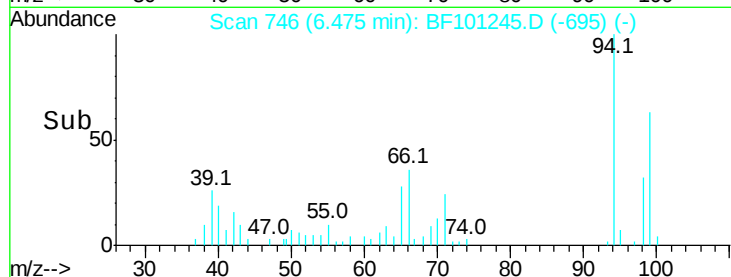
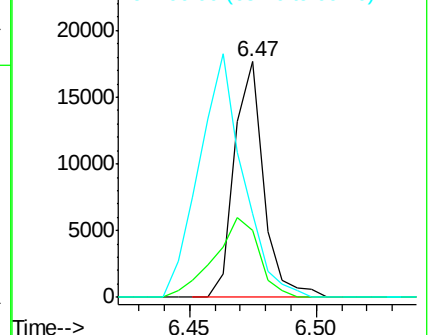


Abundance

Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 11.850 ng

RT: 7.39 min Scan# 902

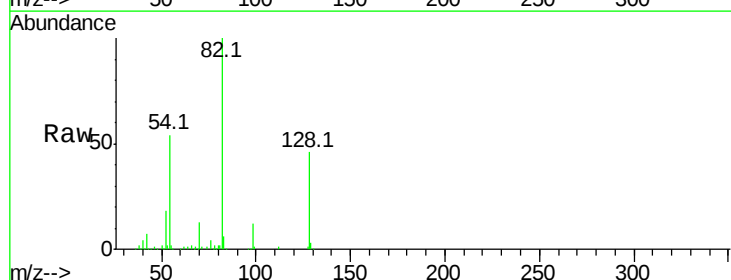
Delta R.T. 0.15 min

Lab File: BF101245.D

Acq: 8 Dec 2017 19:31

Tgt Ion: 70 Resp: 28427

Ion	Ratio	Lower	Upper
70	100		
42	50.2	47.5	71.3
101	0.0	7.4	11.2#
130	1.8	16.6	25.0#



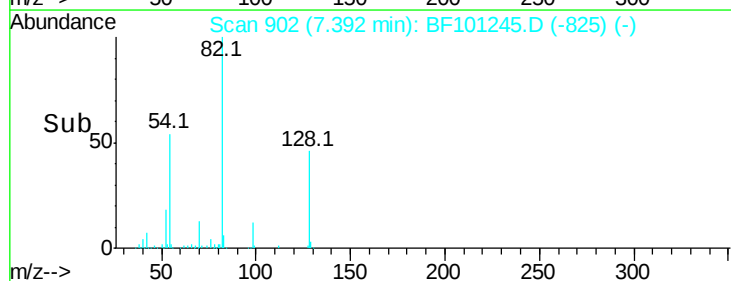
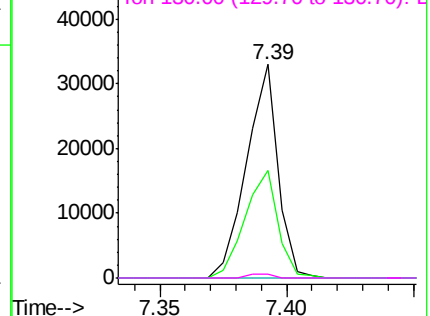
Abundance

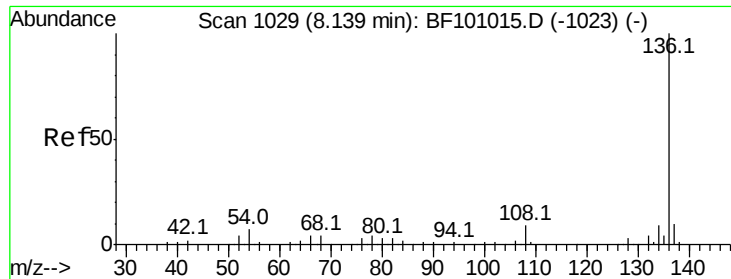
Ion 70.00 (69.70 to 70.70): BF1

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

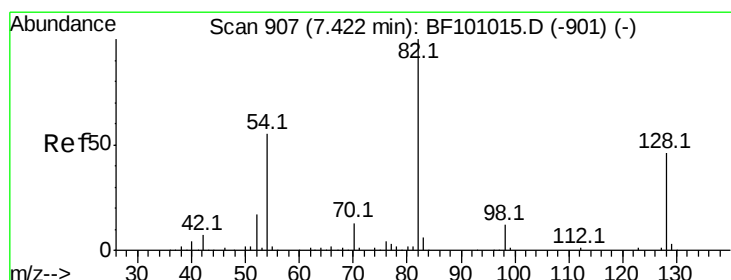
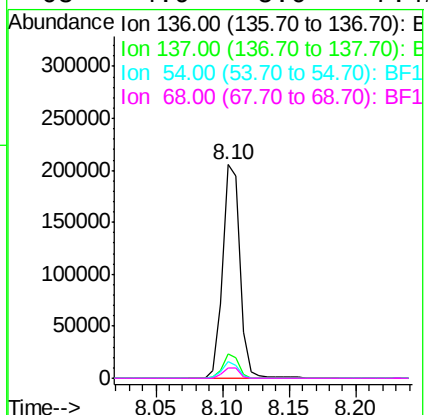
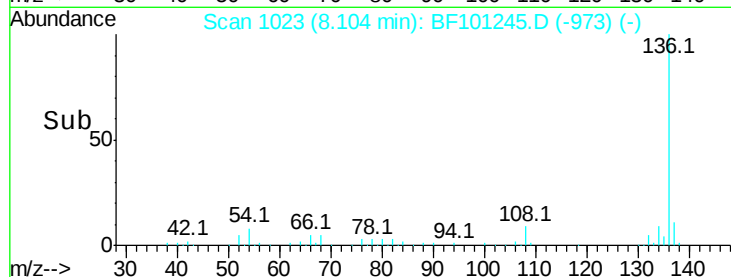
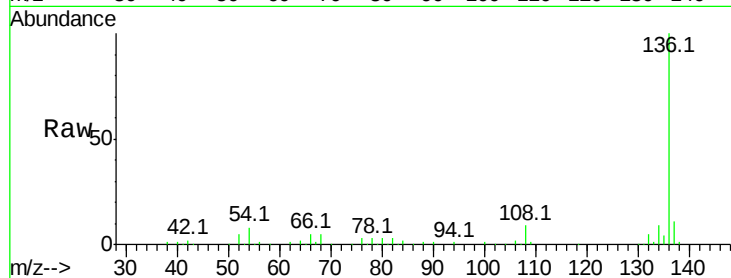




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF101245.D
Acq: 8 Dec 2017 19:31

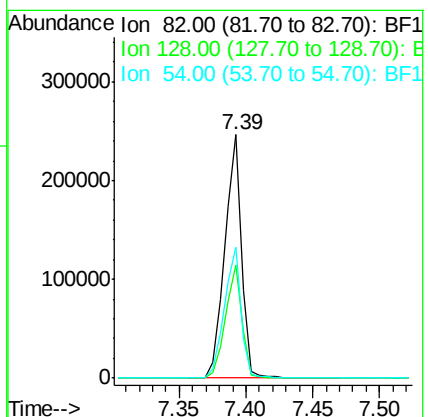
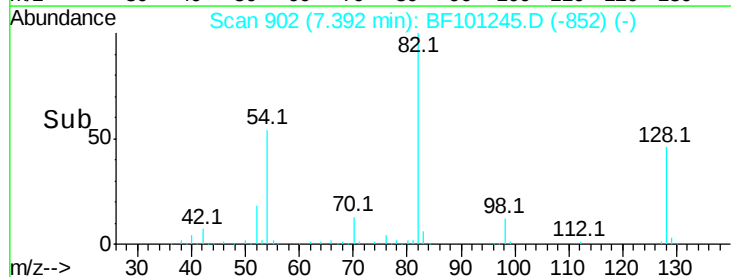
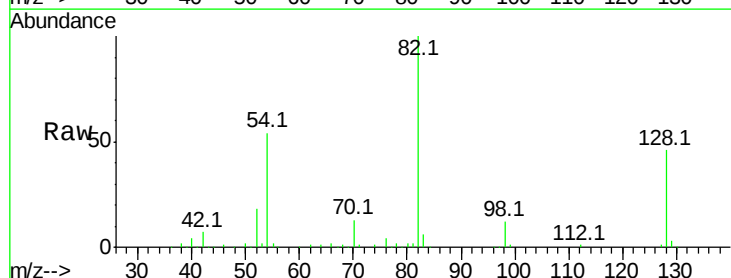
Instrument :
BNA_F
ClientSampleId :

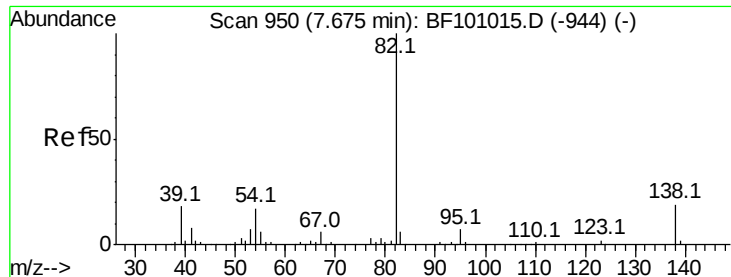
Tot Ion:	136	Resp:	190677
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.0	6.6	9.8
68	4.9	5.0	7.4#



#23
Nitrobenzene-d5
Concen: 68.668 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF101245.D
Acq: 8 Dec 2017 19:31

Tgt Ion:	82	Resp:	219491
Ion	Ratio	Lower	Upper
82	100		
128	46.4	36.1	54.1
54	53.8	41.4	62.2





#25

Isophorone

Concen: 40.200 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.26 min

Lab File: BF101245.D

Acq: 8 Dec 2017 19:31

Instrument :

BNA_F

ClientSampleId :

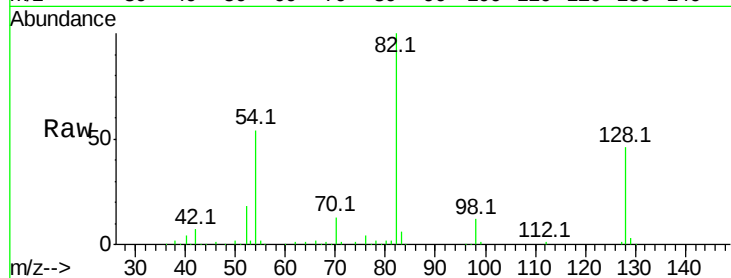
Tot Ion: 82 Resp: 219488

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

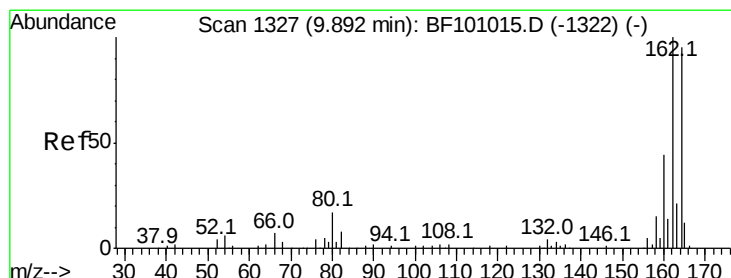
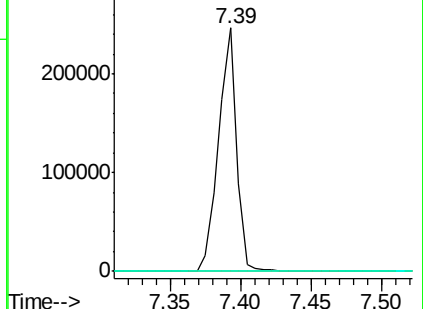
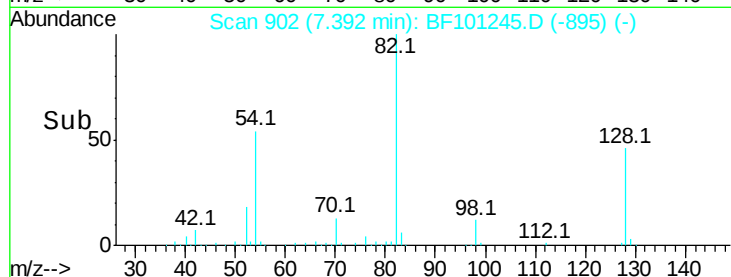
138 0.0 14.9 22.3#



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: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF101245.D

Acq: 8 Dec 2017 19:31

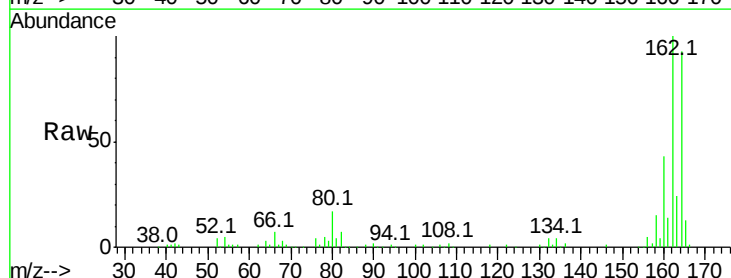
Tgt Ion:164 Resp: 82511

Ion Ratio Lower Upper

164 100

162 107.7 86.1 129.1

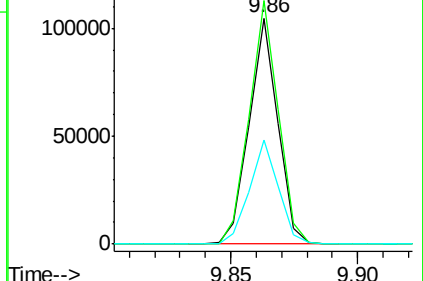
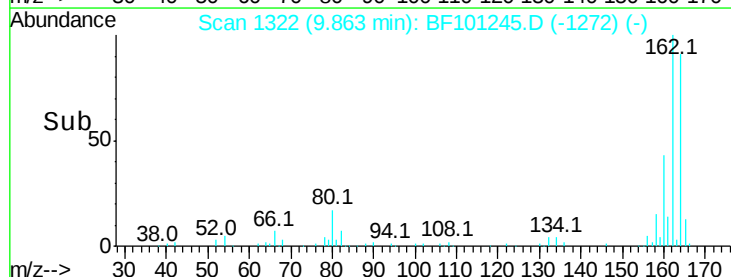
160 46.3 38.3 57.5

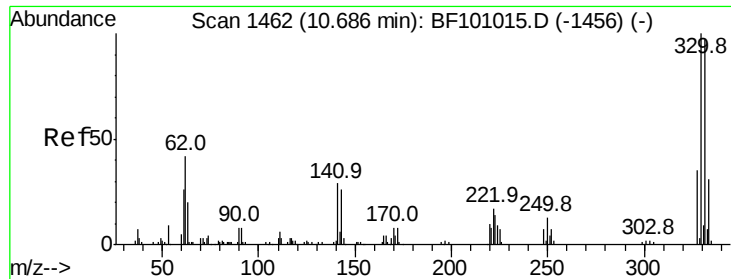


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

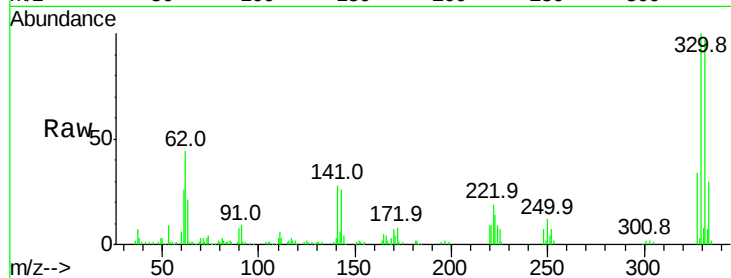




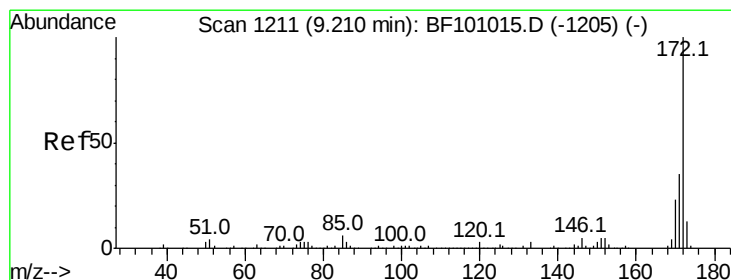
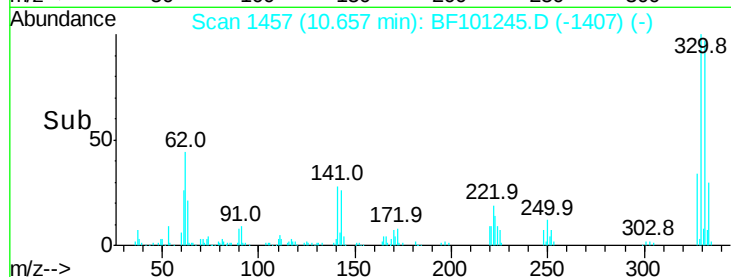
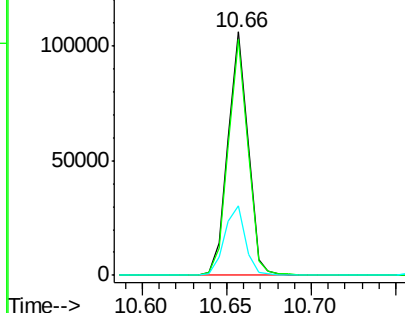
#41
 2,4,6-Tribromophenol
 Concen: 88.254 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: BF101245.D
 Acq: 8 Dec 2017 19:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.0	115.6
141	30.3	29.9	44.9

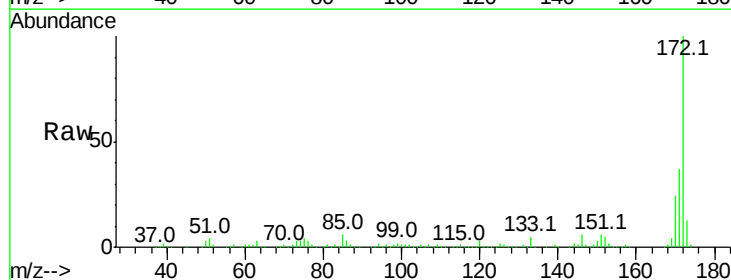


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

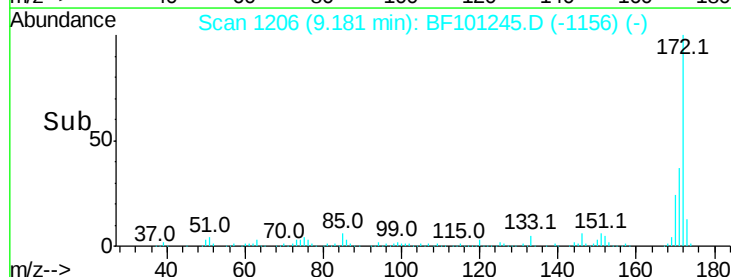
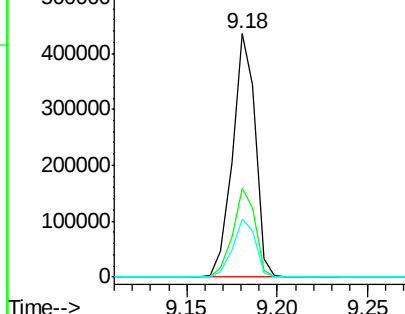


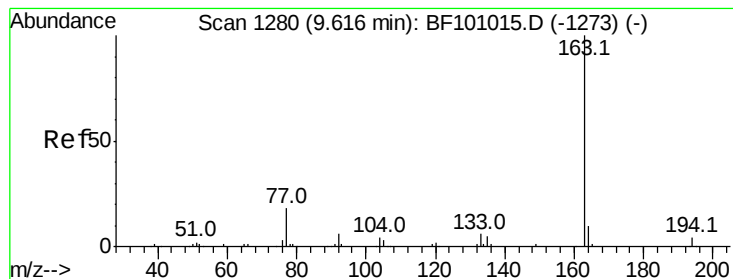
#44
 2-Fluorobiphenyl
 Concen: 62.653 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF101245.D
 Acq: 8 Dec 2017 19:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	24.1	19.6	29.4



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





#49

Dimethylphthalate

Concen: 6.725 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BF101245.D

Acq: 8 Dec 2017 19:31

Instrument :

BNA_F

ClientSampleId :

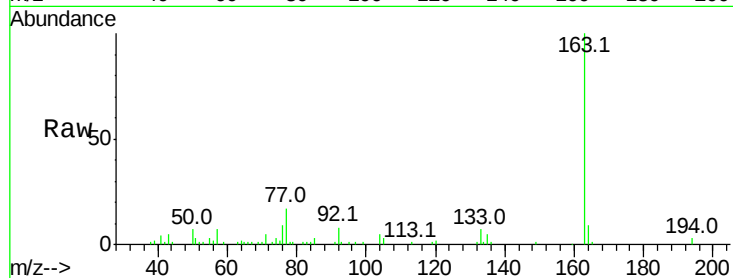
Tot Ion:163 Resp: 44748

Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

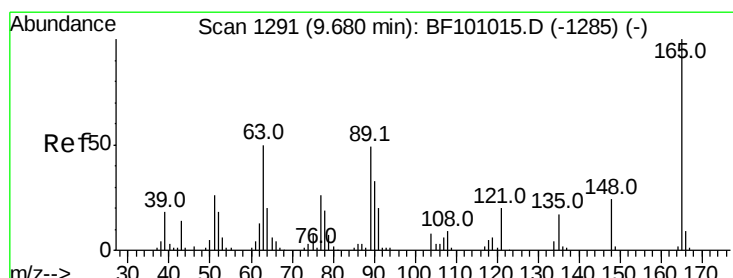
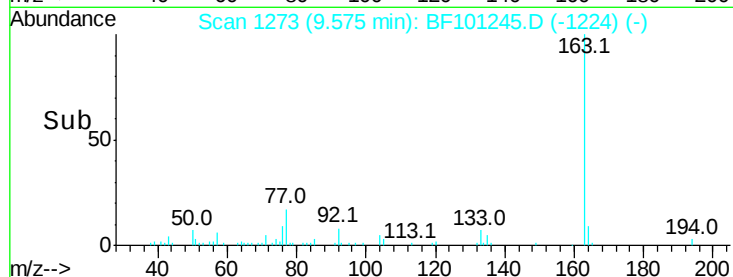
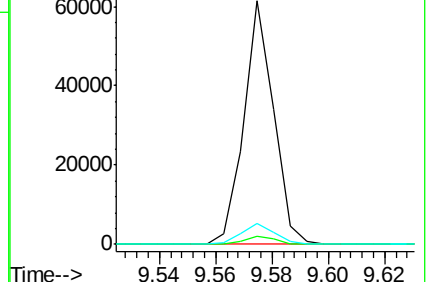
164 8.6 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 8.244 ng

RT: 9.86 min Scan# 1322

Delta R.T. 0.21 min

Lab File: BF101245.D

Acq: 8 Dec 2017 19:31

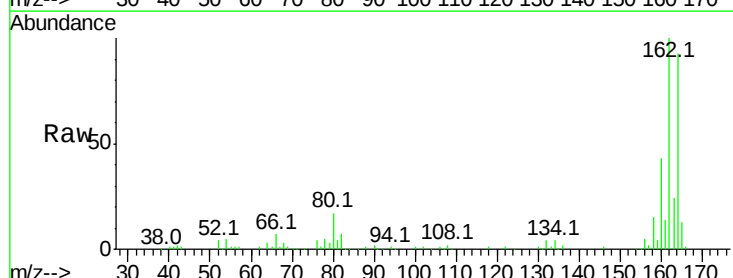
Tgt Ion:165 Resp: 11554

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

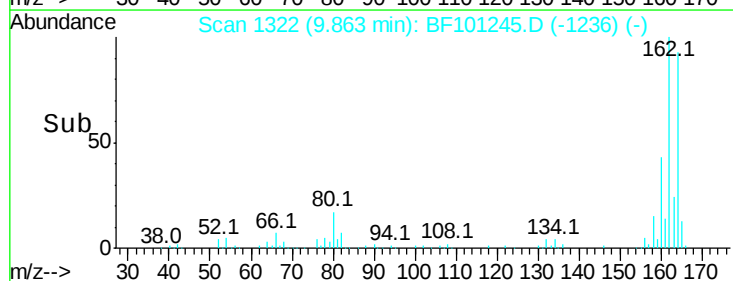
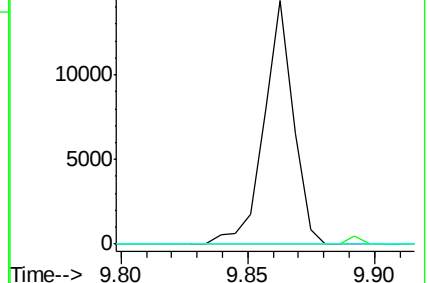
89 0.0 44.0 66.0#

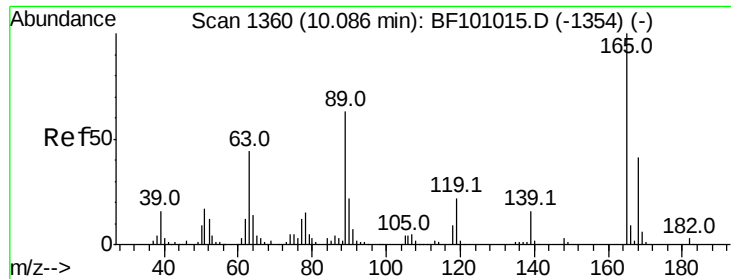


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

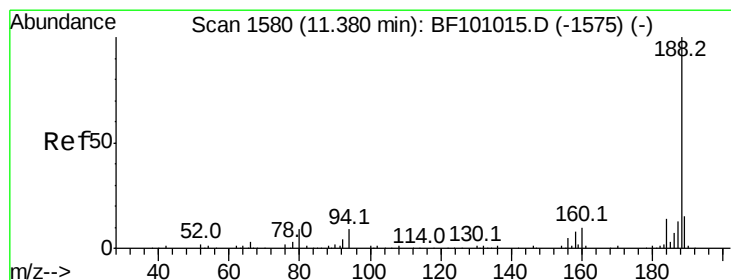
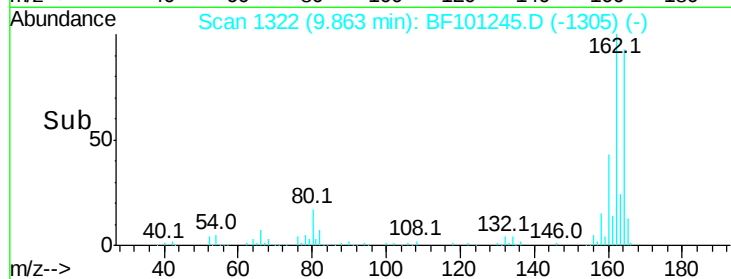
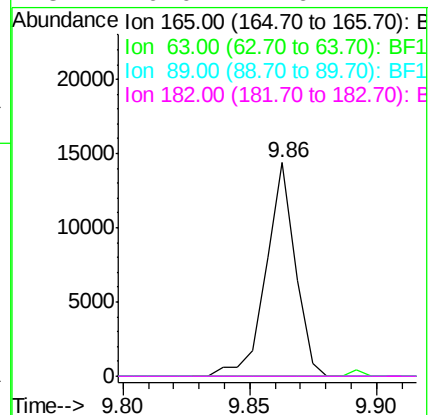
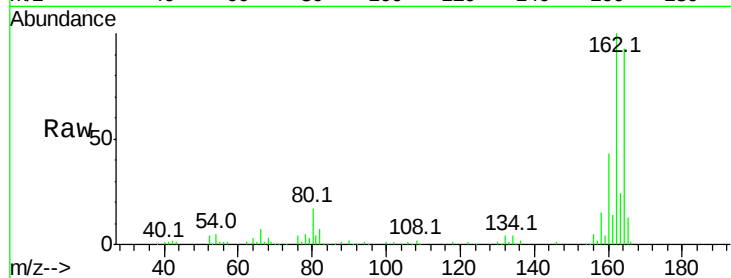




#56
 2,4-Dinitrotoluene
 Concen: 6.151 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.20 min
 Lab File: BF101245.D
 Acq: 8 Dec 2017 19:31

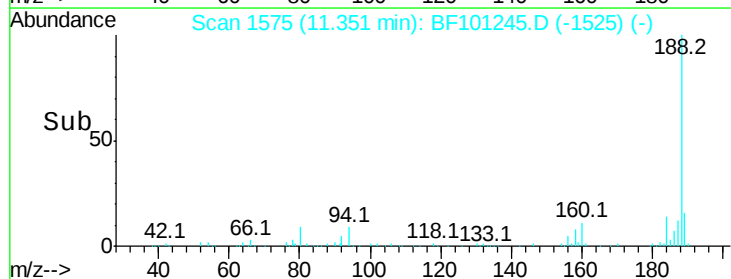
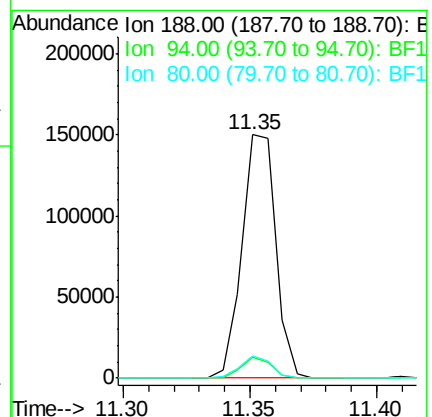
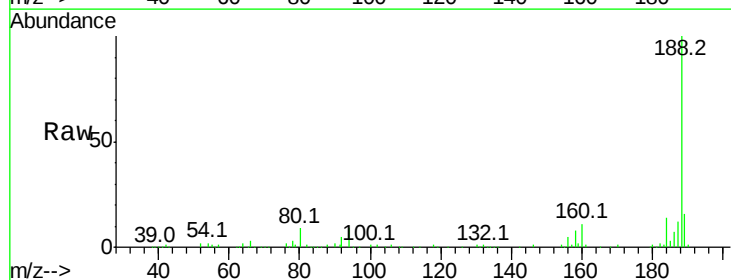
Instrument :
 BNA_F
 ClientSampleId :

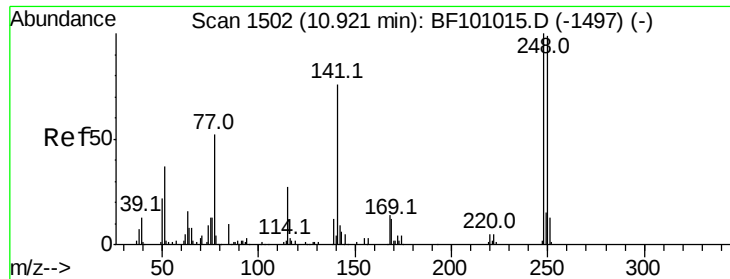
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: BF101245.D
 Acq: 8 Dec 2017 19:31

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.5	12.7
80	9.4	9.2	13.8

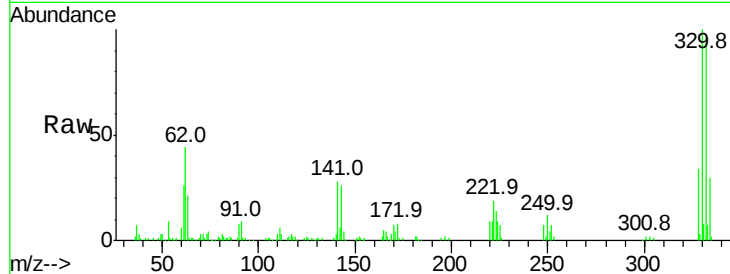




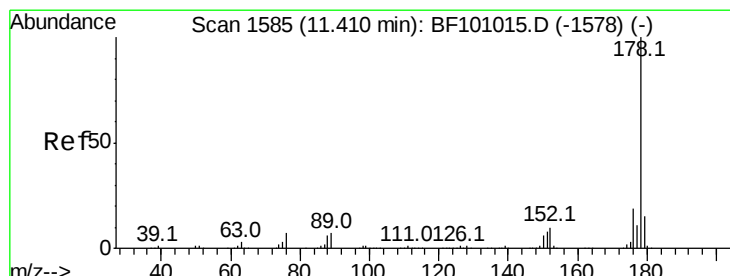
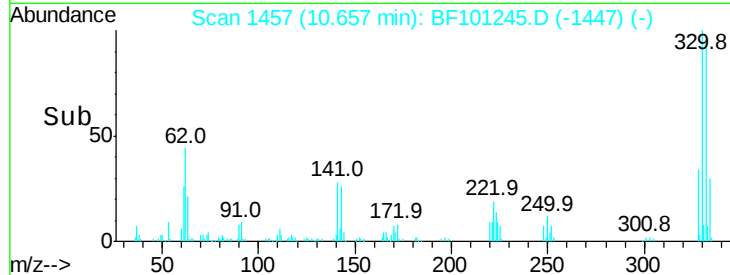
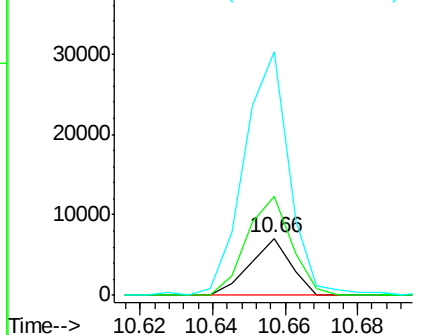
#66
 4-Bromophenyl-phenylether
 Concen: 3.532 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.24 min
 Lab File: BF101245.D
 Acq: 8 Dec 2017 19:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 5499
 Ion Ratio Lower Upper
 248 100
 250 173.5 76.9 115.3#
 141 428.8 74.4 111.6#

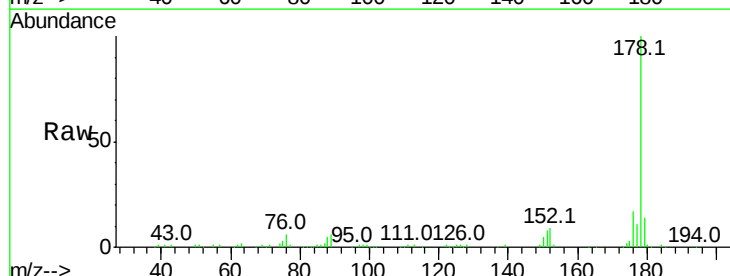


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

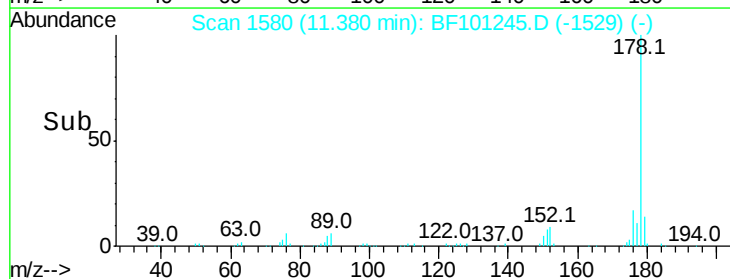
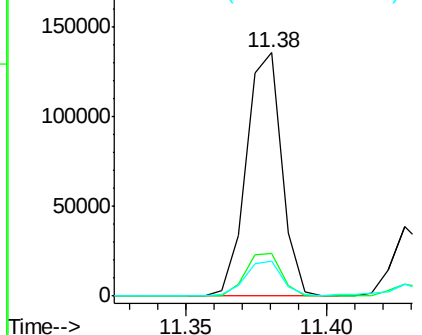


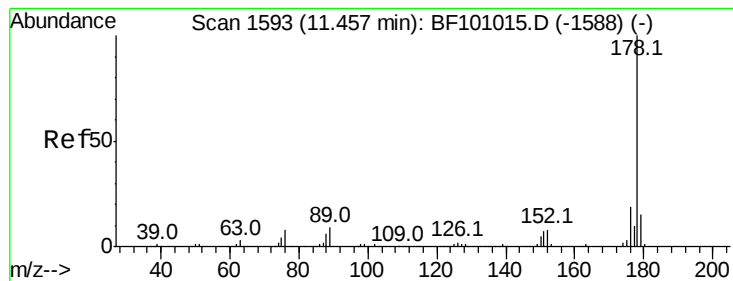
#70
 Phenanthrene
 Concen: 15.448 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: BF101245.D
 Acq: 8 Dec 2017 19:31

Tgt Ion:178 Resp: 118337
 Ion Ratio Lower Upper
 178 100
 176 17.4 15.8 23.8
 179 14.4 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: 4.174 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF101245.D

Acq: 8 Dec 2017 19:31

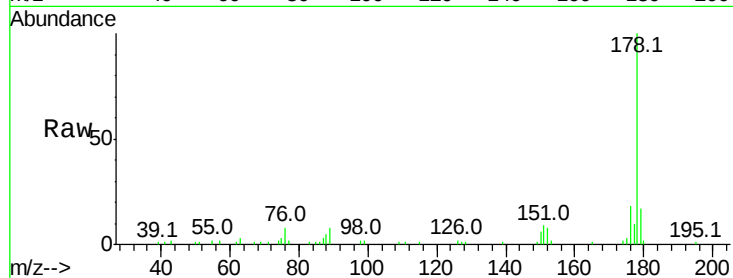
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 32359

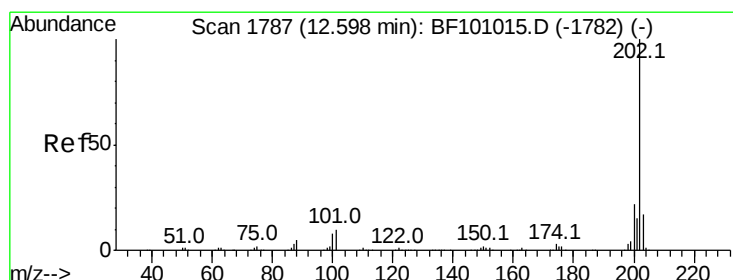
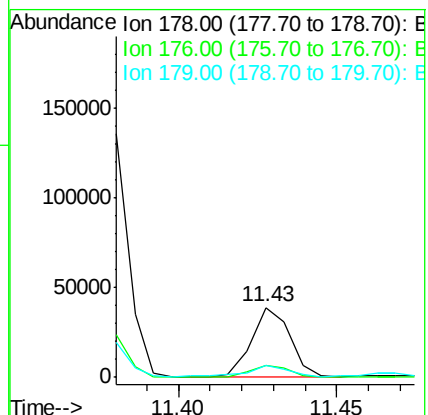
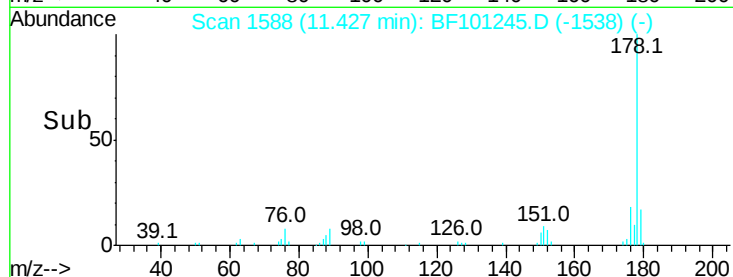
Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	16.8	12.6	19.0



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: 32.338 ng

RT: 12.57 min Scan# 1783

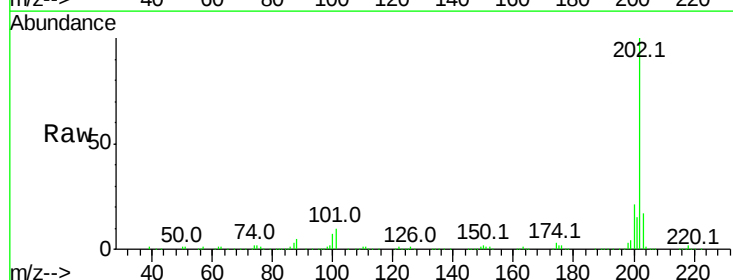
Delta R.T. 0.01 min

Lab File: BF101245.D

Acq: 8 Dec 2017 19:31

Tgt Ion:202 Resp: 274587

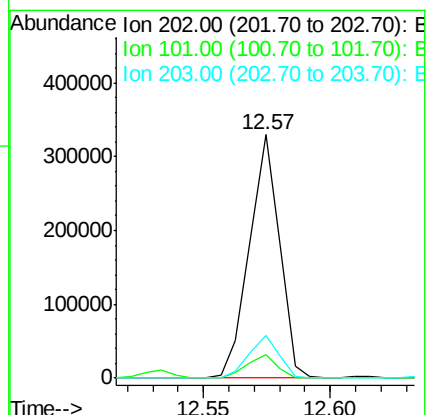
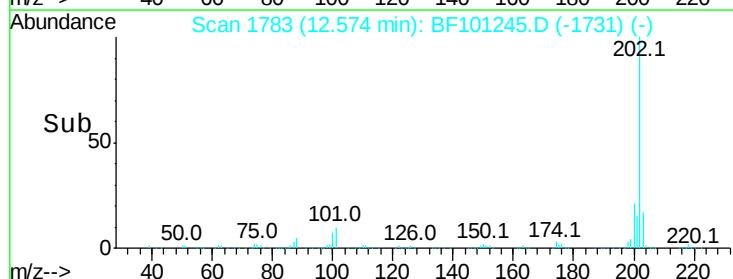
Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	34.1
203	17.4	0.0	38.1

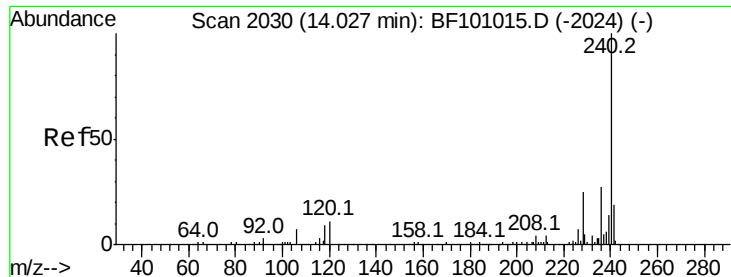


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.00 min Scan# 2026

Delta R.T. 0.00 min

Lab File: BF101245.D

Acq: 8 Dec 2017 19:31

Instrument :

BNA_F

ClientSampleId :

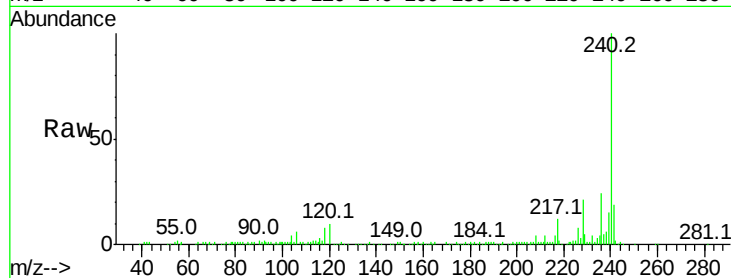
Tot Ion:240 Resp: 101952

Ion Ratio Lower Upper

240 100

120 9.5 9.5 14.3#

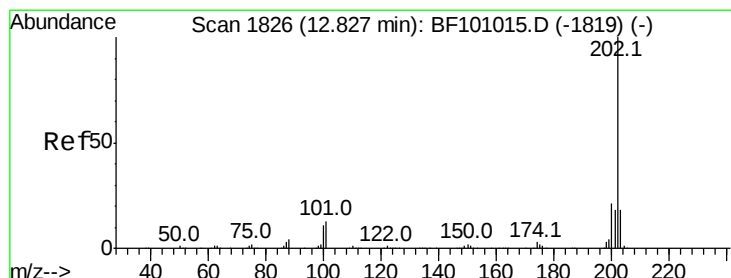
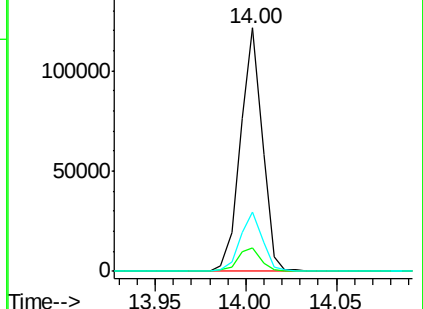
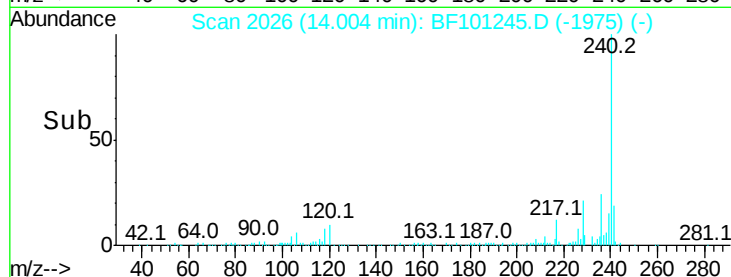
236 24.2 20.7 31.1



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: 34.646 ng

RT: 12.80 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BF101245.D

Acq: 8 Dec 2017 19:31

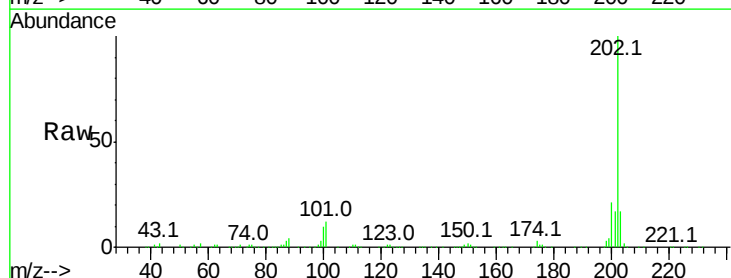
Tgt Ion:202 Resp: 243735

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

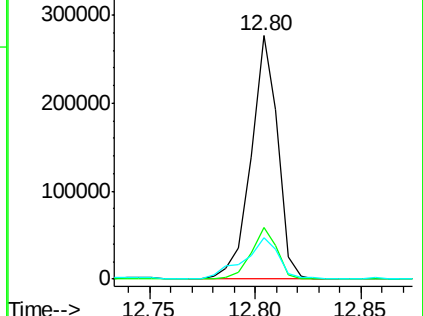
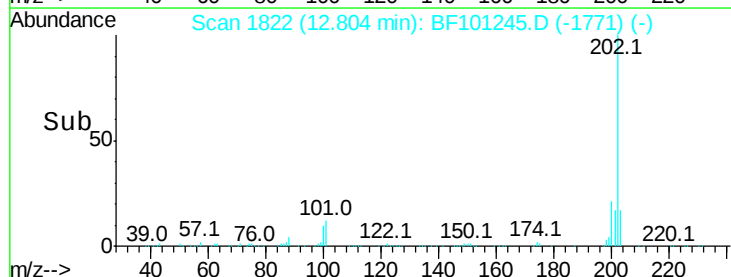
203 17.1 14.3 21.5

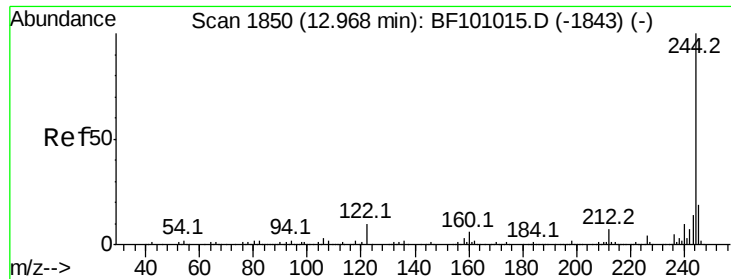


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 58.811 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.00 min

Lab File: BF101245.D

Acq: 8 Dec 2017 19:31

Instrument :

BNA_F

ClientSampleId :

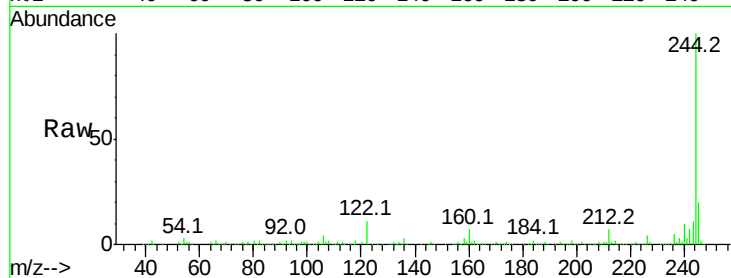
Tot Ion:244 Resp: 274126

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

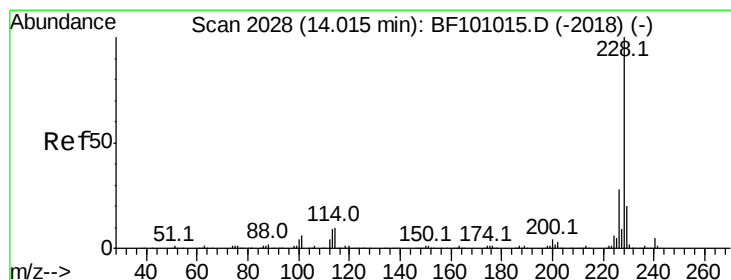
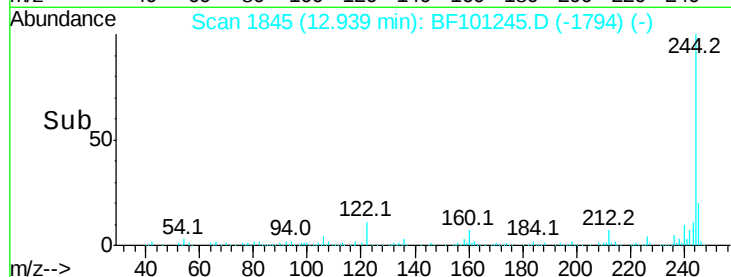
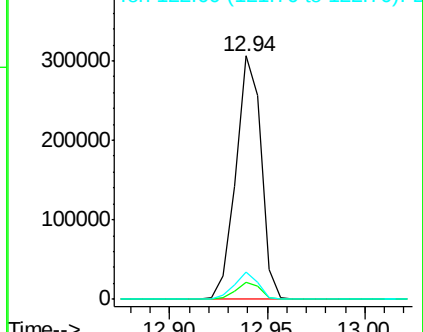
122 11.1 11.0 16.4



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: 23.063 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.00 min

Lab File: BF101245.D

Acq: 8 Dec 2017 19:31

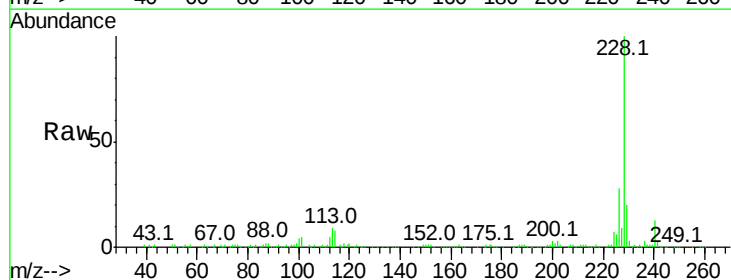
Tgt Ion:228 Resp: 148460

Ion Ratio Lower Upper

228 100

226 28.3 22.6 33.8

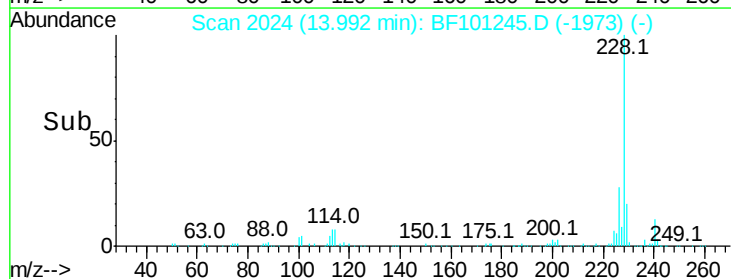
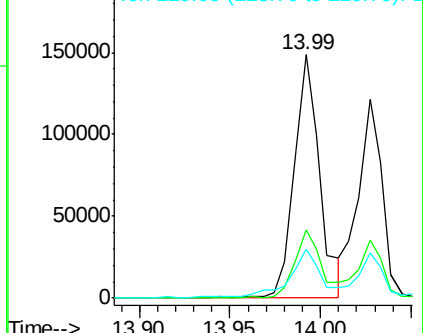
229 20.0 15.8 23.6

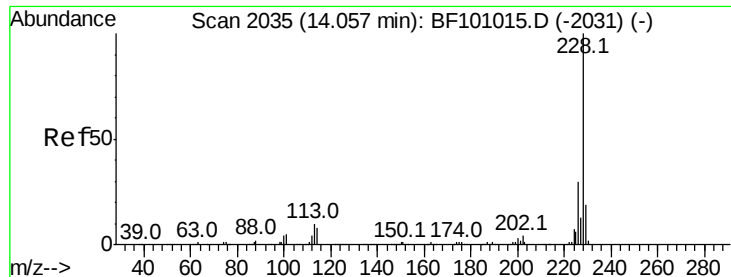


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 18.913 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF101245.D

Acq: 8 Dec 2017 19:31

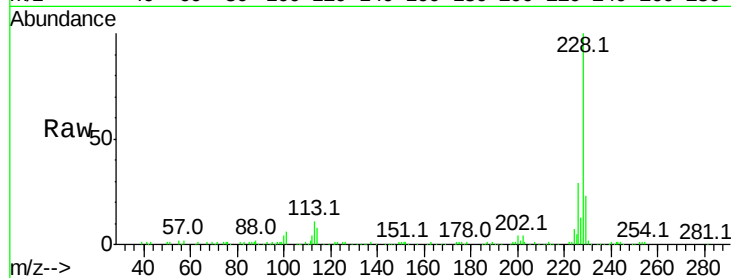
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 113064

Ion	Ratio	Lower	Upper
228	100		
226	29.0	25.0	37.6
229	22.5	16.2	24.4

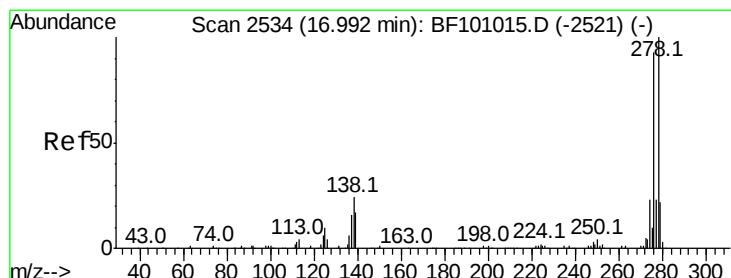
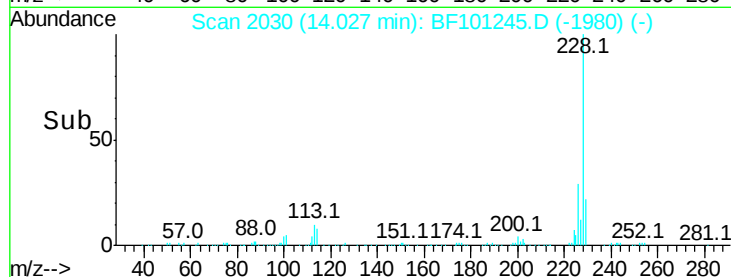
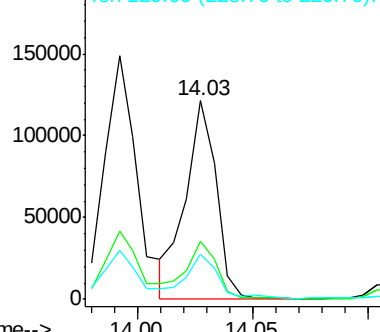


Abundance

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



#85

Indeno(1,2,3-cd)pyrene

Concen: 9.876 ng

RT: 16.94 min Scan# 2526

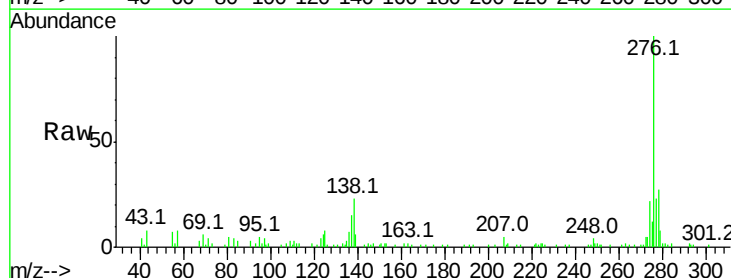
Delta R.T. 0.00 min

Lab File: BF101245.D

Acq: 8 Dec 2017 19:31

Tgt Ion:276 Resp: 52489

Ion	Ratio	Lower	Upper
276	100		
138	23.0	25.0	37.6#
277	24.0	20.1	30.1

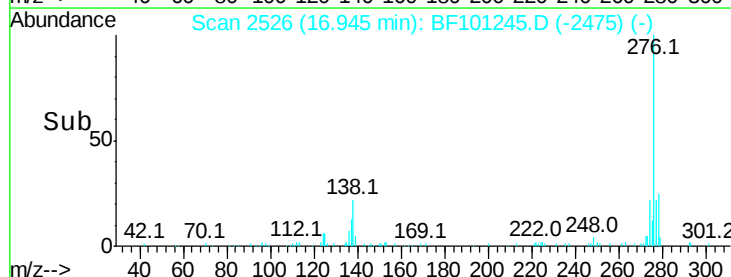
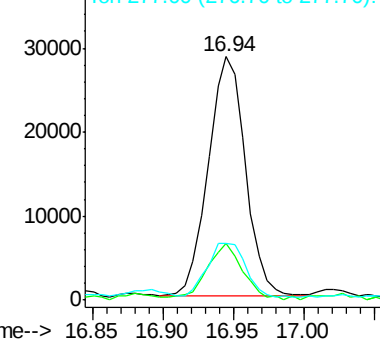


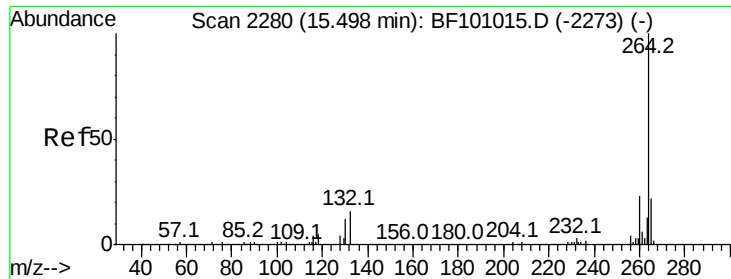
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

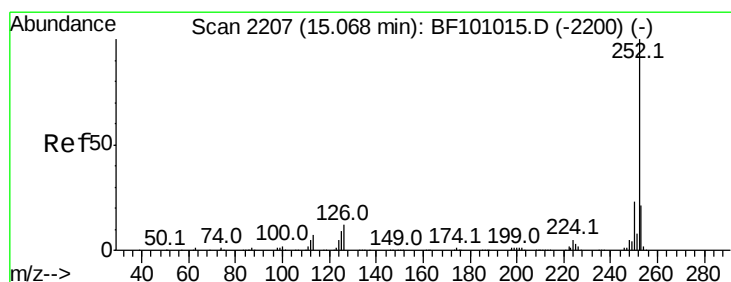
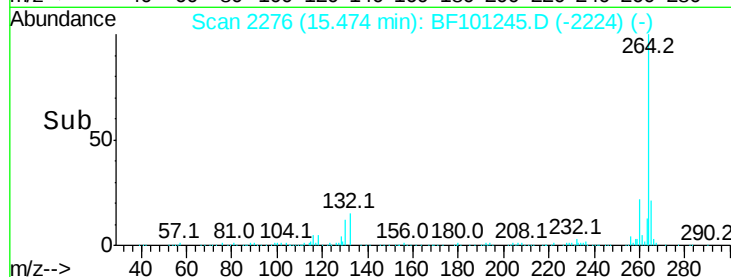
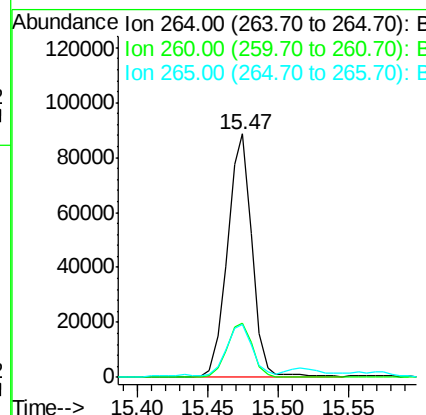
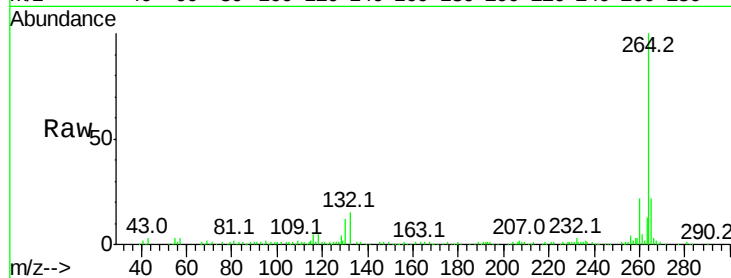




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BF101245.D
Acq: 8 Dec 2017 19:31

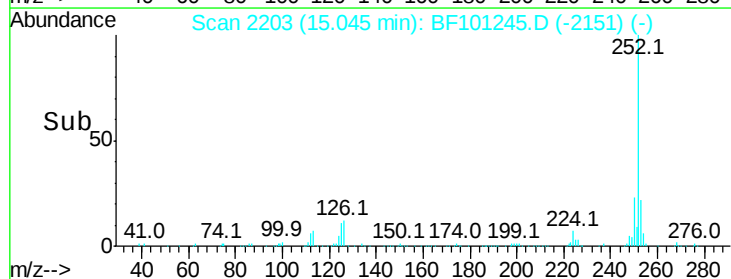
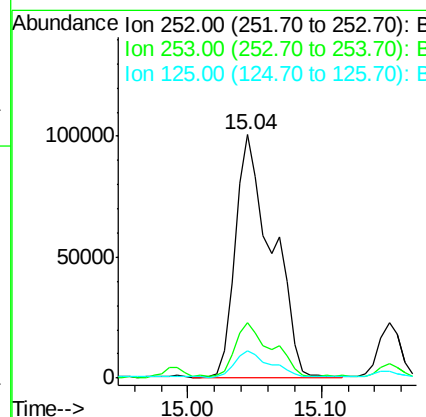
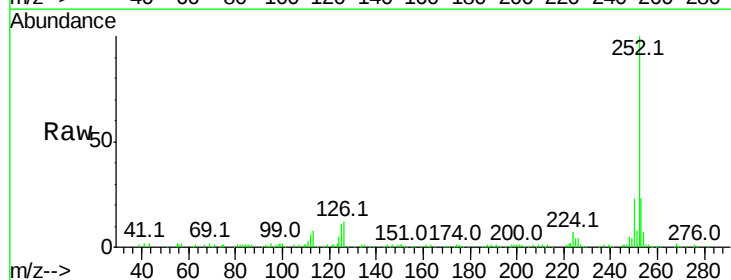
Instrument :
BNA_F
ClientSampleId :

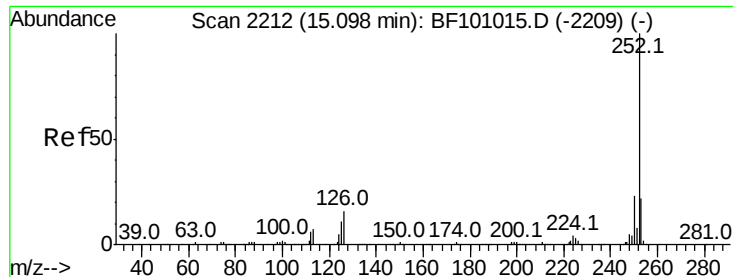
Tot Ion:264 Resp: 107389
Ion Ratio Lower Upper
264 100
260 22.2 19.2 28.8
265 21.8 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 29.801 ng
RT: 15.04 min Scan# 2203
Delta R.T. 0.01 min
Lab File: BF101245.D
Acq: 8 Dec 2017 19:31

Tgt Ion:252 Resp: 191688
Ion Ratio Lower Upper
252 100
253 23.0 17.0 25.6
125 11.4 9.0 13.6

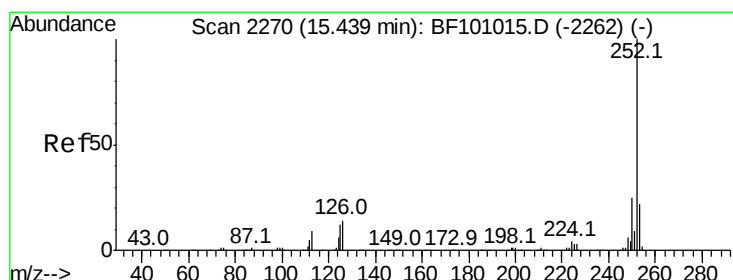
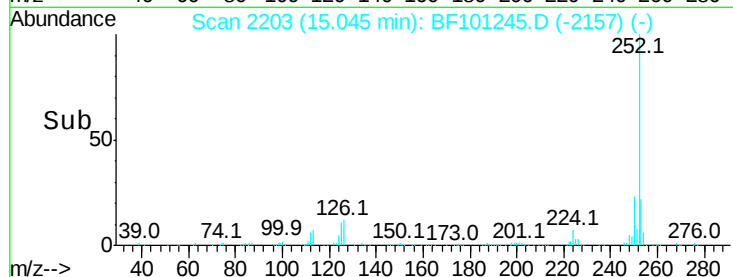
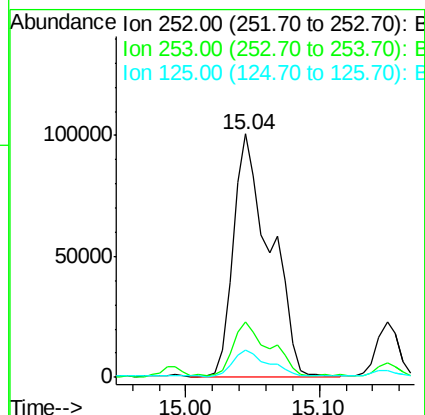
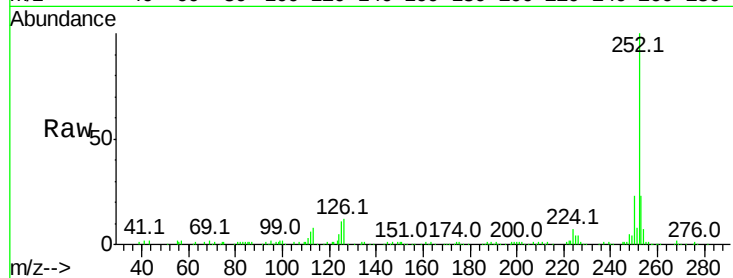




#88
Benzo(k)fluoranthene
Concen: 30.248 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.03 min
Lab File: BF101245.D
Acq: 8 Dec 2017 19:31

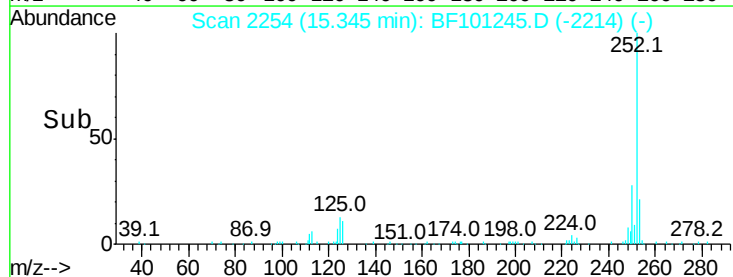
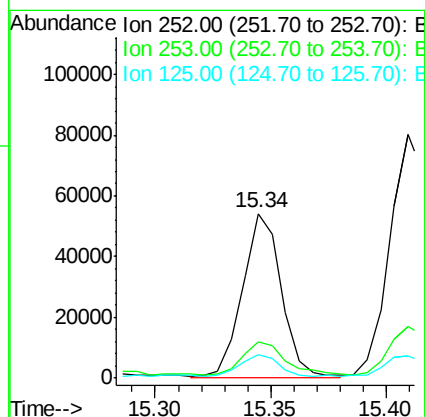
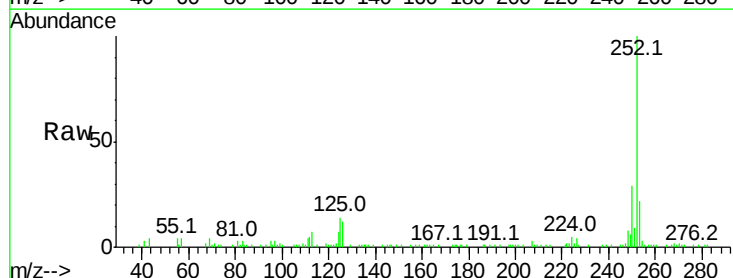
Instrument :
BNA_F
ClientSampled :

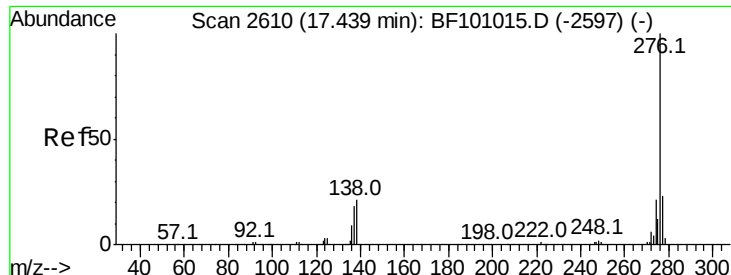
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	11.4	10.2	15.2



#89
Benzo(a)pyrene
Concen: 10.929 ng
RT: 15.34 min Scan# 2254
Delta R.T. -0.06 min
Lab File: BF101245.D
Acq: 8 Dec 2017 19:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	14.3	9.8	14.6

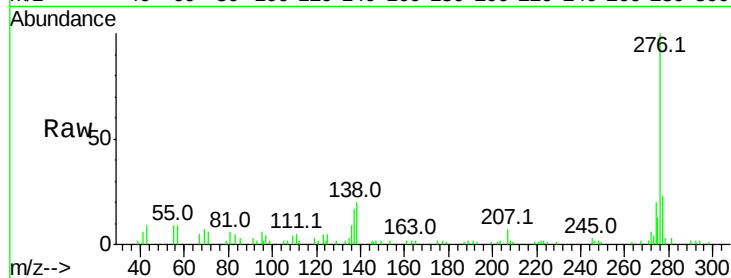




#91
 Benzo(a,h,i)perylene
 Concen: 9.856 ng
 RT: 17.40 min Scan# 2603
 Delta R.T. 0.01 min
 Lab File: BF101245.D
 Acq: 8 Dec 2017 19:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.9	17.9	26.9
138	19.5	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

