

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF120817\
 Data File : BF101248.D
 Acq On : 8 Dec 2017 20:52
 Operator : SJ/JU
 Sample : I6677-03 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 08 21:43:57 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	44838	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	173694	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	72825	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	119173	20.00	ng	0.00
75) Chrysene-d12	14.00	240	97491	20.00	ng	0.00
86) Perylene-d12	15.47	264	80935	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	56892	20.97	ng	0.00
7) Phenol-d6	6.45	99	68862	20.90	ng	-0.01
23) Nitrobenzene-d5	7.39	82	39667	13.62	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	14546	16.63	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	79983	15.03	ng	0.00
78) Terphenyl-d14	12.93	244	59106	13.26	ng	0.00

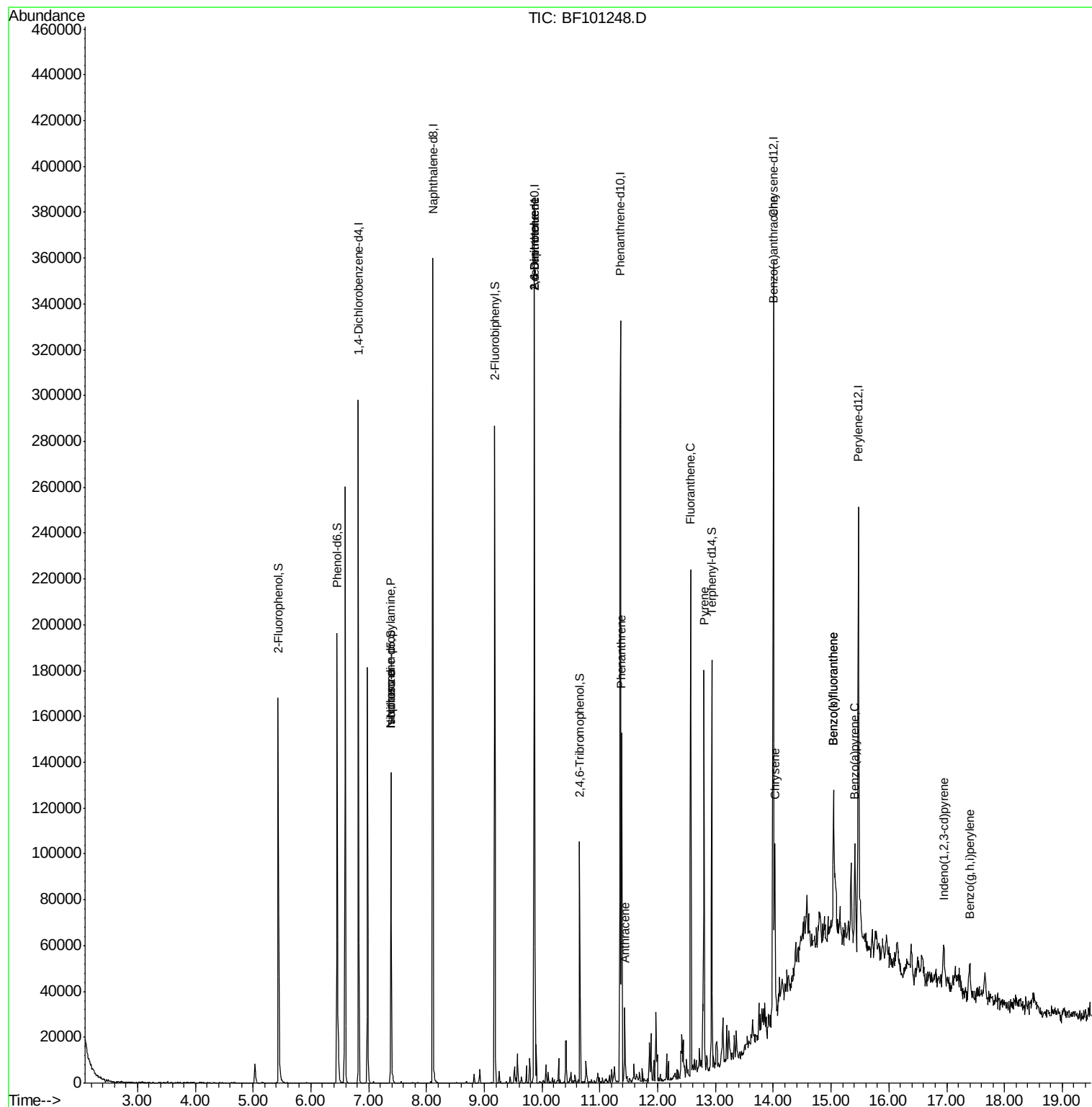
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	4688	2.113	ng	# 81
25) Isophorone	7.39	82	39667	7.976	ng	# 64
50) 2,6-Dinitrotoluene	9.86	165	9448	7.638	ng	# 24
56) 2,4-Dinitrotoluene	9.86	165	9448	5.699	ng	# 21
70) Phenanthrene	11.38	178	60280	9.185	ng	96
71) Anthracene	11.43	178	15043	2.265	ng	98
74) Fluoranthene	12.57	202	84484	11.613	ng	93
77) Pyrene	12.80	202	71954	10.696	ng	98
80) Benzo(a)anthracene	13.99	228	30572	4.967	ng	96
82) Chrysene	14.03	228	29855	5.222	ng	96
85) Indeno(1,2,3-cd)pyrene	16.94	276	11249	2.213	ng	91
87) Benzo(b)fluoranthene	15.04	252	39410	8.129	ng	94
88) Benzo(k)fluoranthene	15.04	252	39410	8.251	ng	97
89) Benzo(a)pyrene	15.41	252	21453	4.868	ng	95
91) Benzo(a,h,i)perylene	17.40	276	11112	3.035	ng	# 86

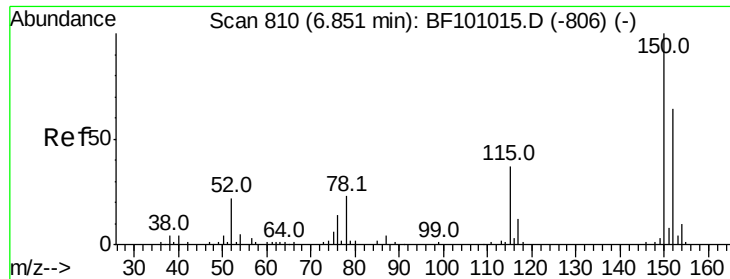
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF120817\
Data File : BF101248.D
Acq On : 8 Dec 2017 20:52
Operator : SJ/JU
Sample : I6677-03 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Dec 08 21:43:57 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



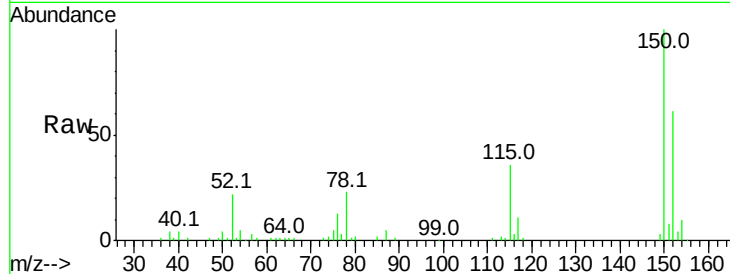


#1

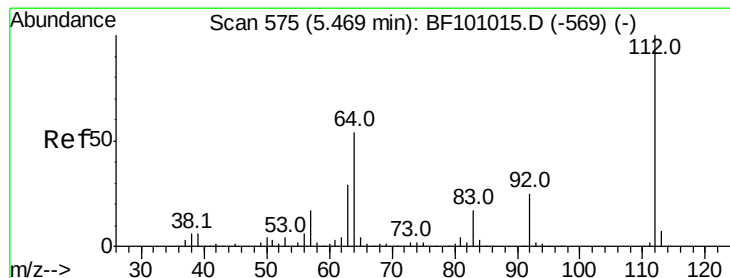
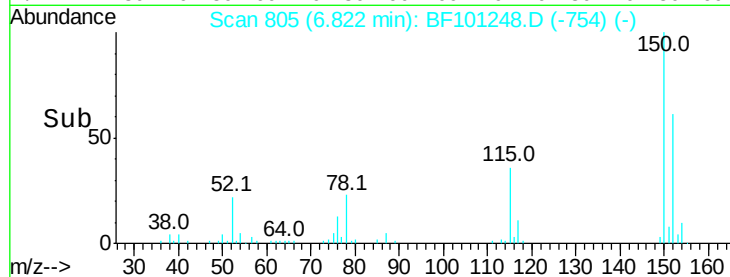
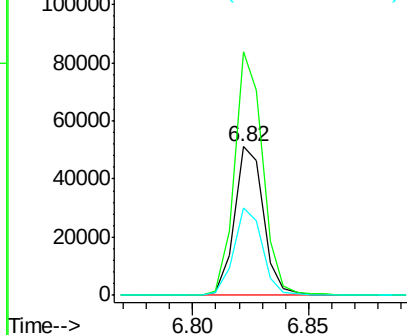
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.00 min
Lab File: BF101248.D
Acq: 8 Dec 2017 20:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 44838
Ion Ratio Lower Upper
152 100
150 163.8 124.6 186.8
115 59.1 50.1 75.1



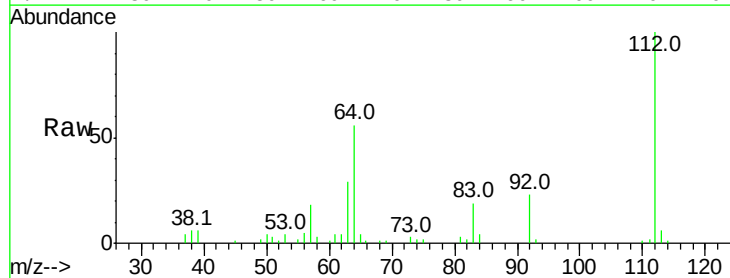
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



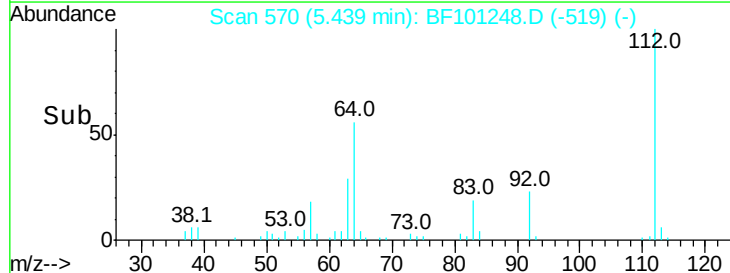
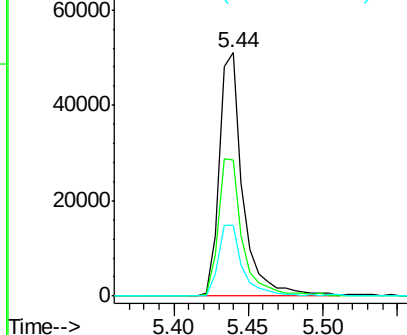
#5

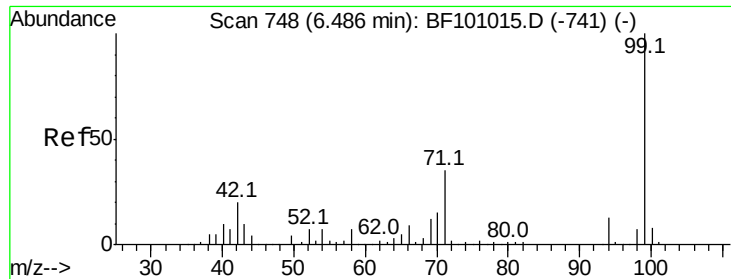
2-Fluorophenol
Concen: 20.967 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.00 min
Lab File: BF101248.D
Acq: 8 Dec 2017 20:52

Tgt Ion:112 Resp: 56892
Ion Ratio Lower Upper
112 100
64 55.9 47.9 71.9
63 29.2 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: 20.903 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF101248.D

Acq: 8 Dec 2017 20:52

Instrument :

BNA_F

ClientSampleId :

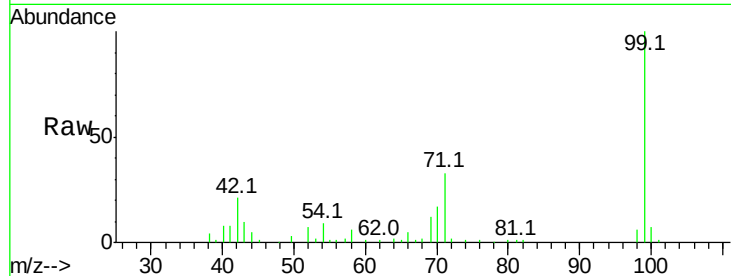
Tot Ion: 99 Resp: 68862

Ion Ratio Lower Upper

99 100

42 20.8 14.5 21.7

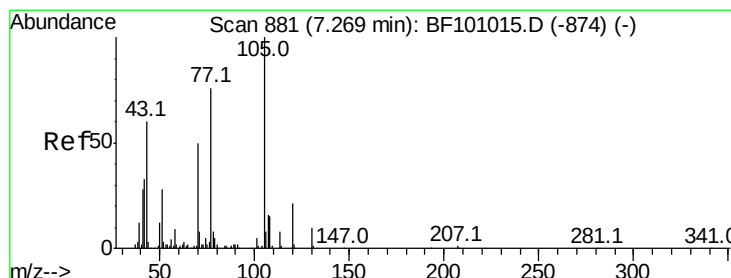
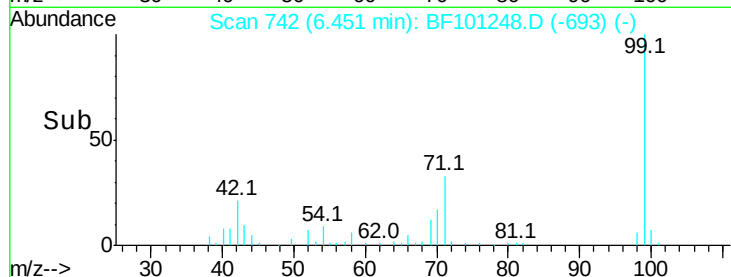
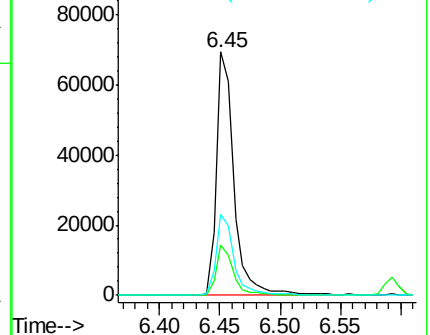
71 33.2 25.4 38.0



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: 2.113 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.15 min

Lab File: BF101248.D

Acq: 8 Dec 2017 20:52

Tgt Ion: 70 Resp: 4688

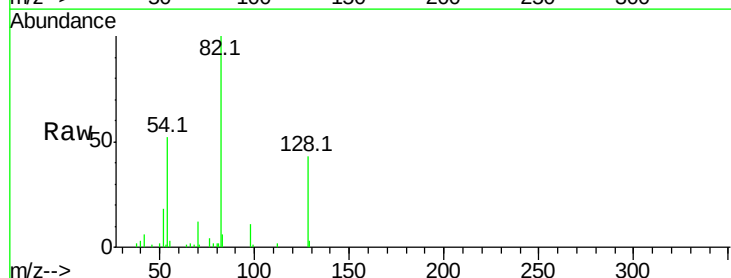
Ion Ratio Lower Upper

70 100

42 52.1 47.5 71.3

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

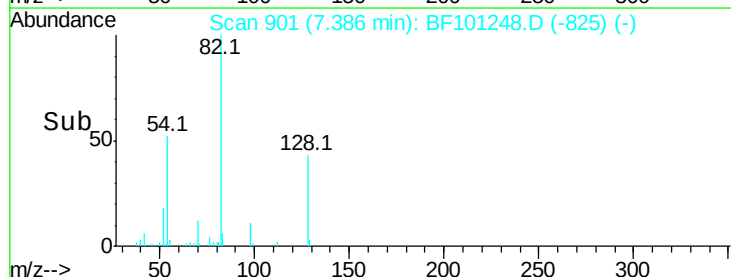
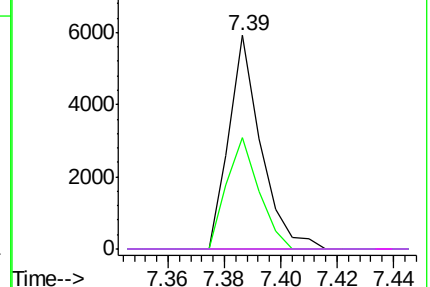


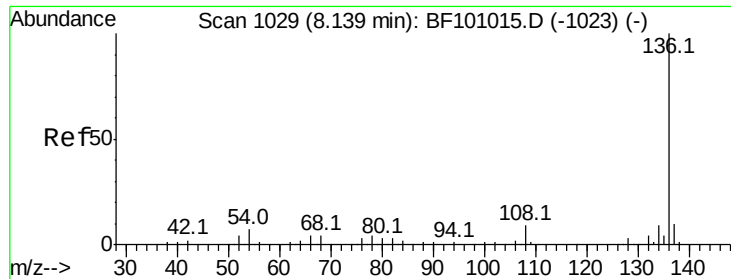
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

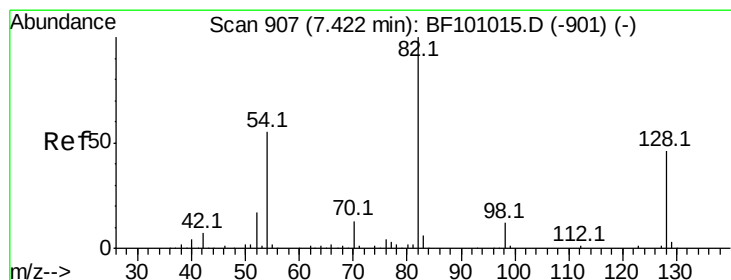
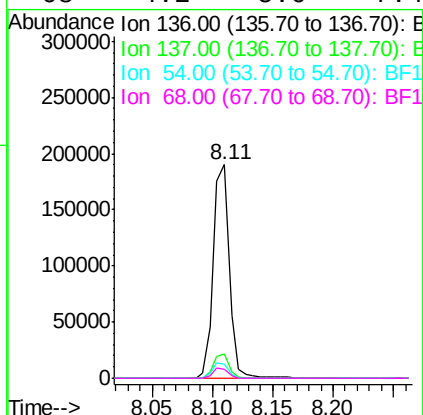
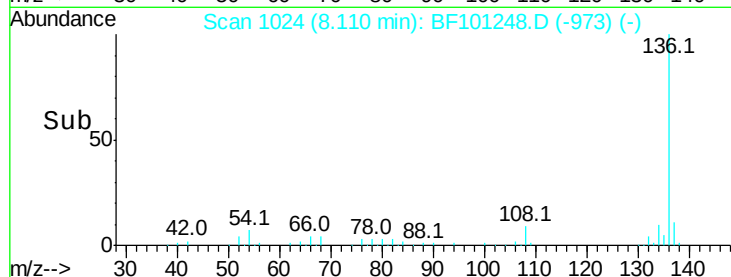
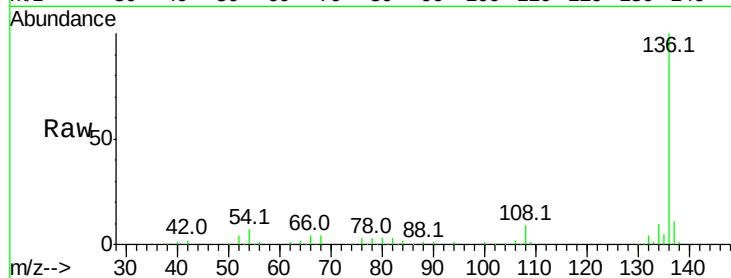




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BF101248.D
Acq: 8 Dec 2017 20:52

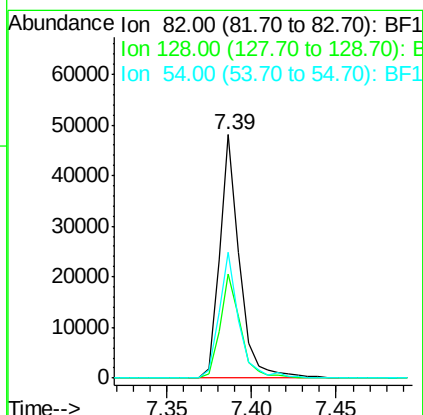
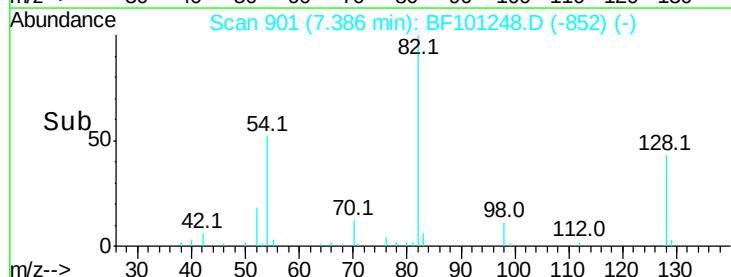
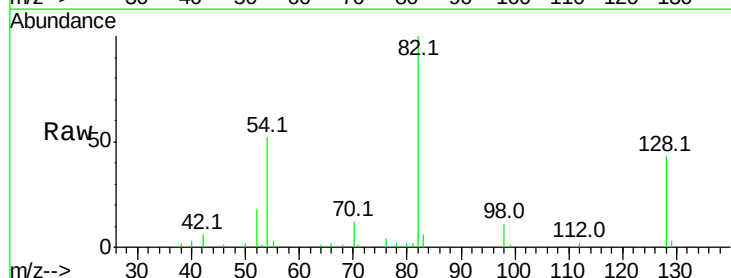
Instrument :
BNA_F
ClientSampled :

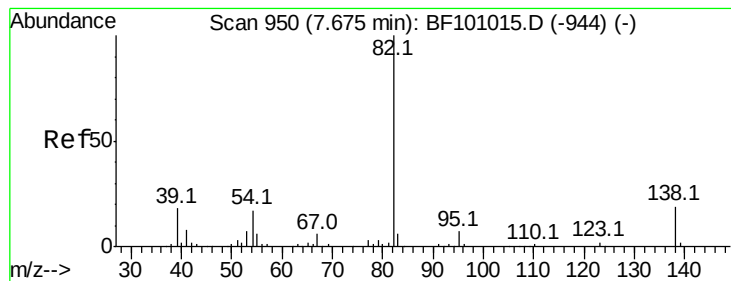
Tot Ion:	136	Resp:	173694
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	6.8	6.6	9.8
68	4.2	5.0	7.4#



#23
Nitrobenzene-d5
Concen: 13.623 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF101248.D
Acq: 8 Dec 2017 20:52

Tgt Ion:	82	Resp:	39667
Ion	Ratio	Lower	Upper
82	100		
128	42.9	36.1	54.1
54	52.0	41.4	62.2





#25

Isophorone

Concen: 7.976 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.26 min

Lab File: BF101248.D

Acq: 8 Dec 2017 20:52

Instrument :

BNA_F

ClientSampleId :

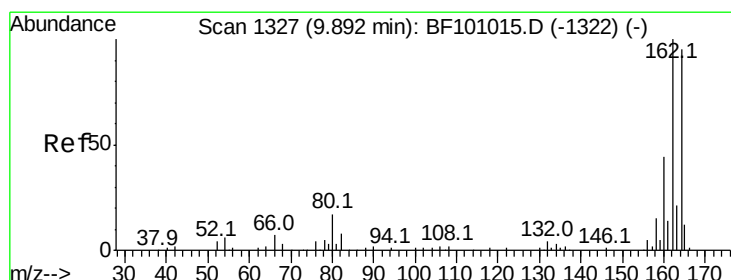
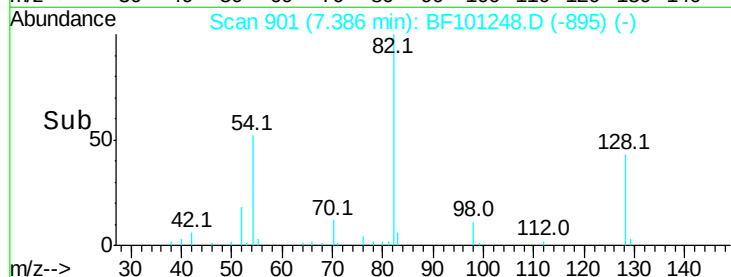
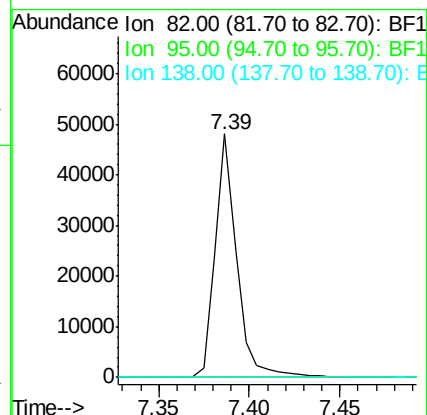
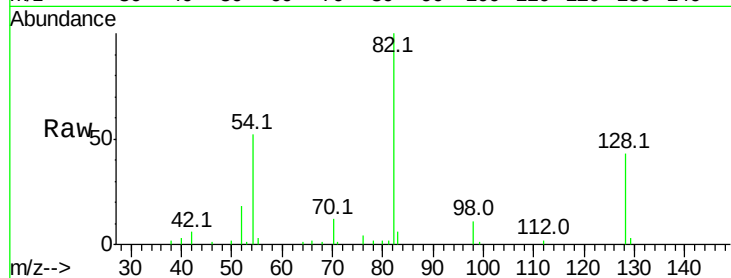
Tot Ion: 82 Resp: 39667

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF101248.D

Acq: 8 Dec 2017 20:52

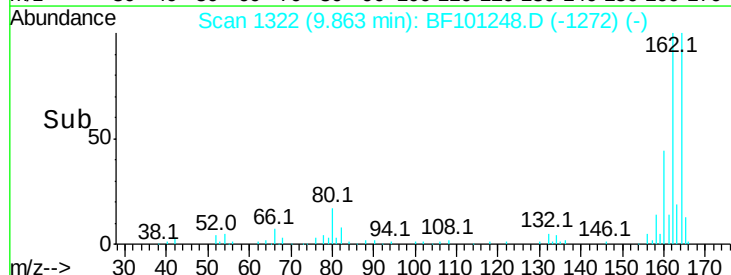
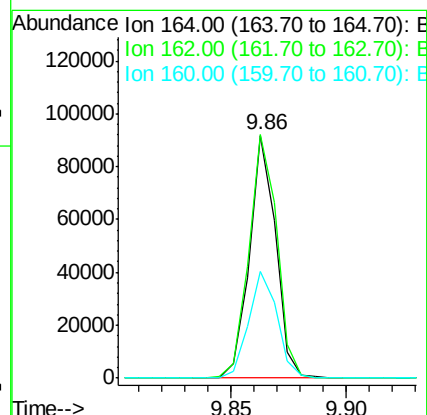
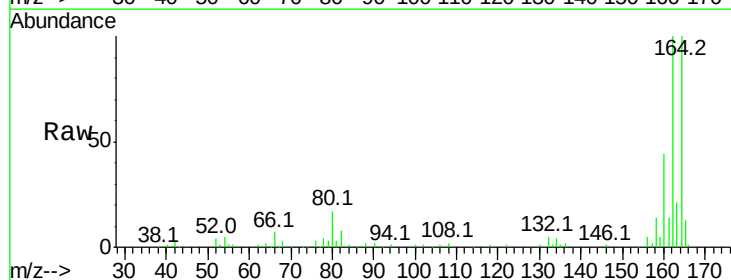
Tgt Ion: 164 Resp: 72825

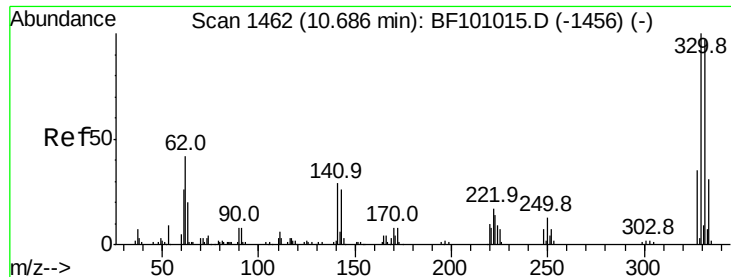
Ion Ratio Lower Upper

164 100

162 100.4 86.1 129.1

160 44.0 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 16.627 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.01 min

Lab File: BF101248.D

Acq: 8 Dec 2017 20:52

Instrument :

BNA_F

ClientSampleId :

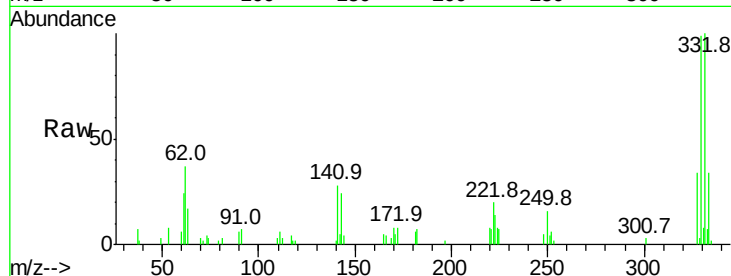
Tot Ion:330 Resp: 14546

Ion Ratio Lower Upper

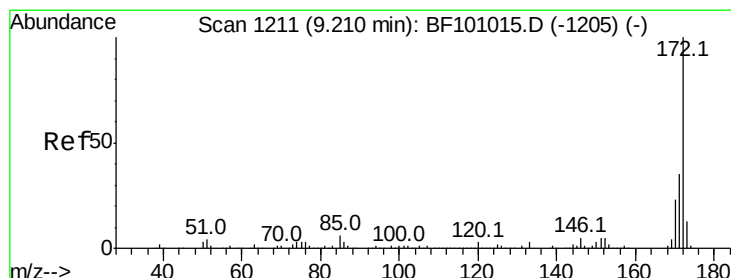
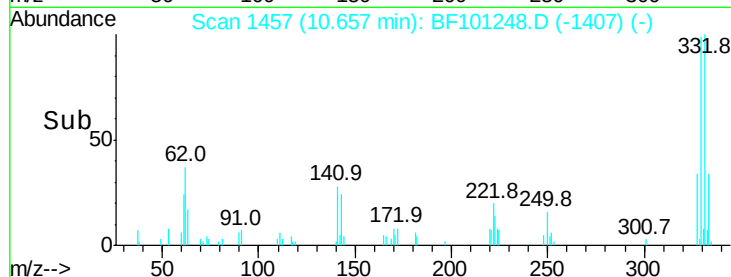
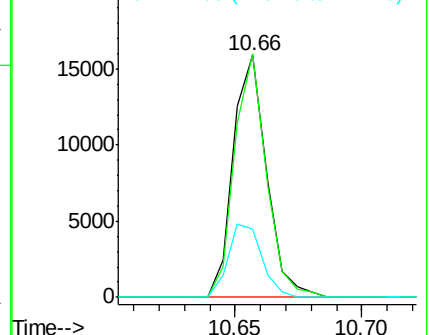
330 100

332 95.3 77.0 115.6

141 30.6 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: 15.027 ng

RT: 9.18 min Scan# 1206

Delta R.T. -0.01 min

Lab File: BF101248.D

Acq: 8 Dec 2017 20:52

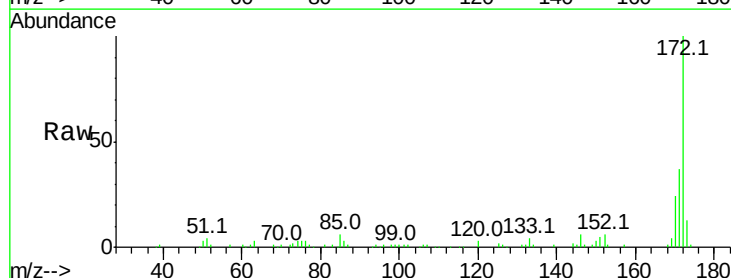
Tgt Ion:172 Resp: 79983

Ion Ratio Lower Upper

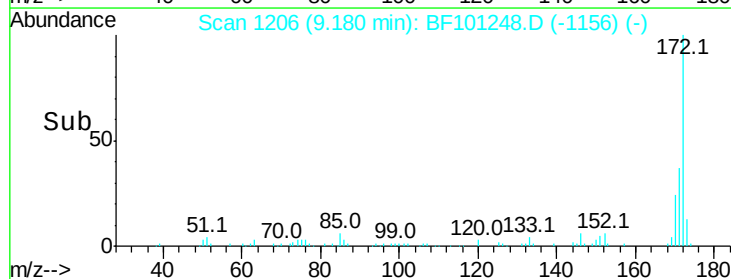
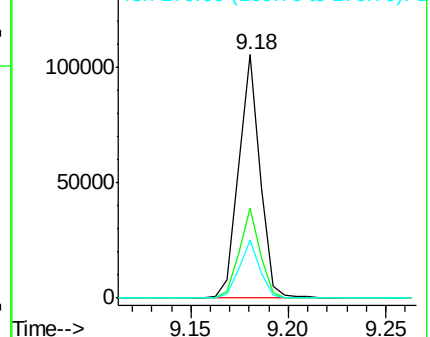
172 100

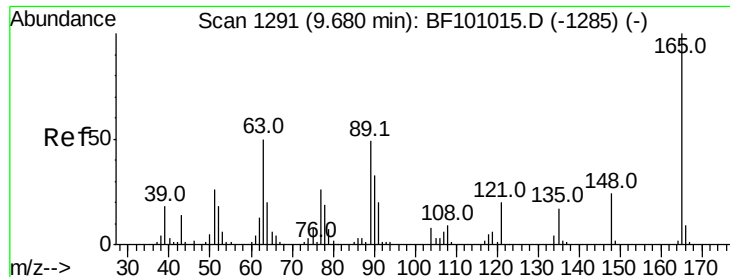
171 36.7 29.7 44.5

170 23.9 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

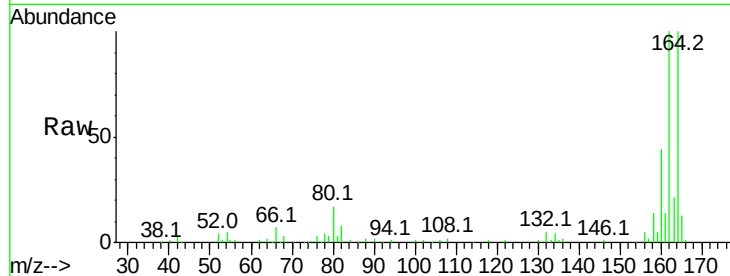




#50
 2,6-Dinitrotoluene
 Concen: 7.638 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. 0.21 min
 Lab File: BF101248.D
 Acq: 8 Dec 2017 20:52

Instrument :
 BNA_F
 ClientSampleId :

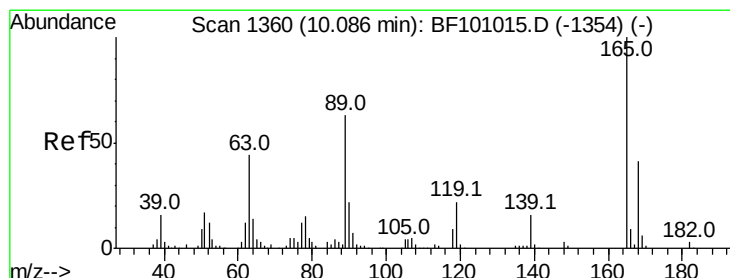
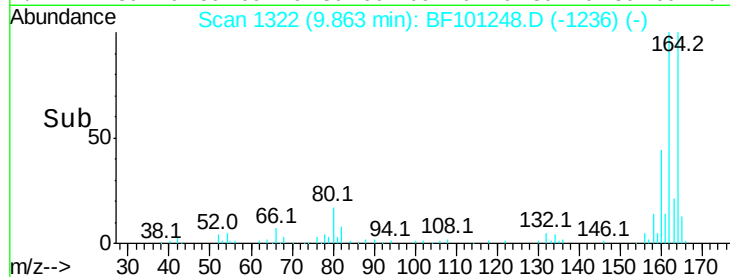
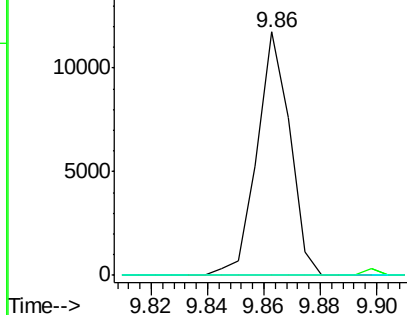
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

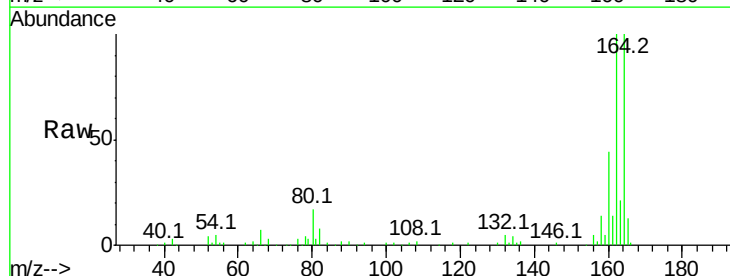
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#56
 2,4-Dinitrotoluene
 Concen: 5.699 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.20 min
 Lab File: BF101248.D
 Acq: 8 Dec 2017 20:52

Tgt 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#

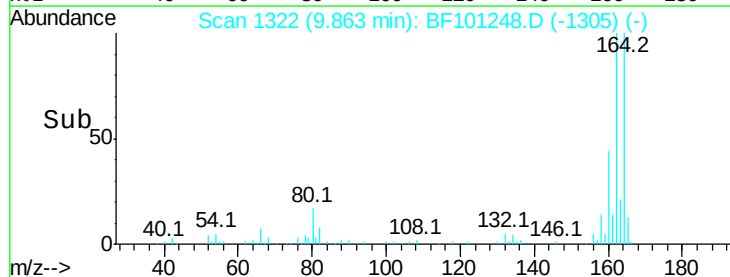
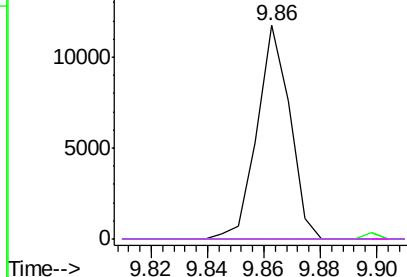


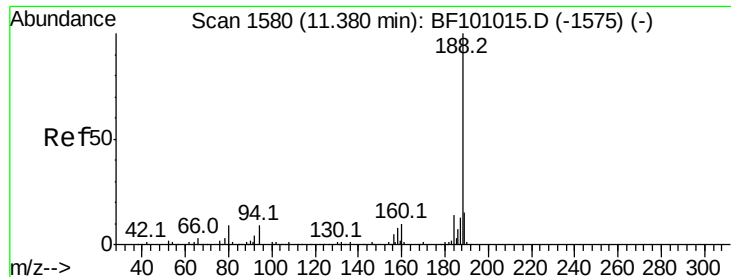
Abundance Ion 165.00 (164.70 to 165.70): E

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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.00 min

Lab File: BF101248.D

Acq: 8 Dec 2017 20:52

Instrument :

BNA_F

ClientSampleId :

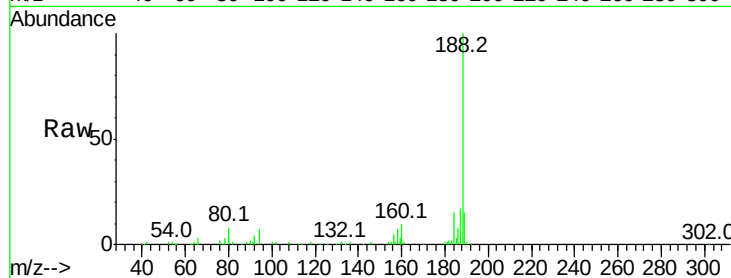
Tot Ion:188 Resp: 119173

Ion Ratio Lower Upper

188 100

94 6.9 8.5 12.7#

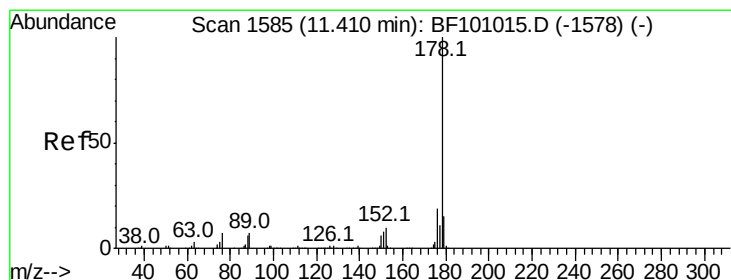
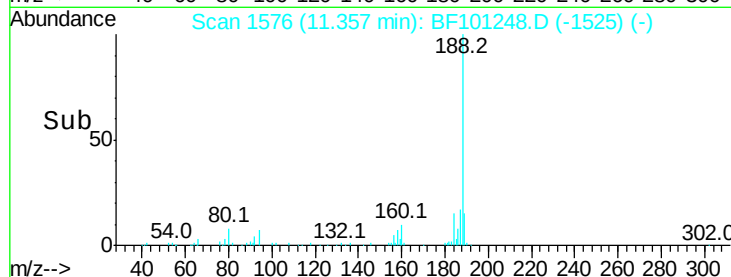
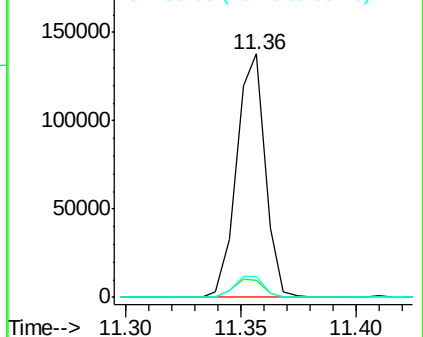
80 8.5 9.2 13.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#70

Phenanthrene

Concen: 9.185 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.00 min

Lab File: BF101248.D

Acq: 8 Dec 2017 20:52

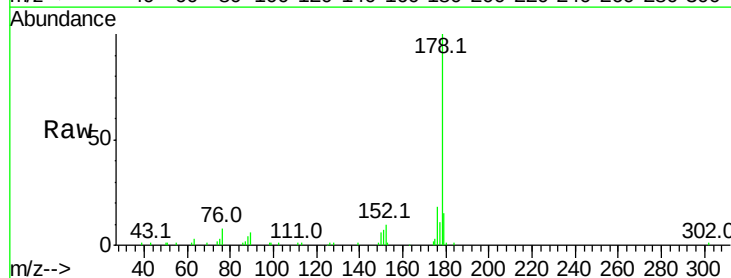
Tgt Ion:178 Resp: 60280

Ion Ratio Lower Upper

178 100

176 17.5 15.8 23.8

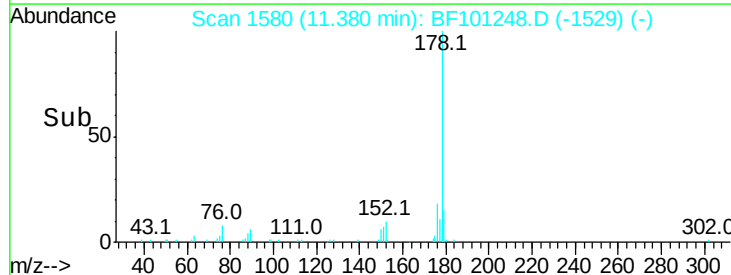
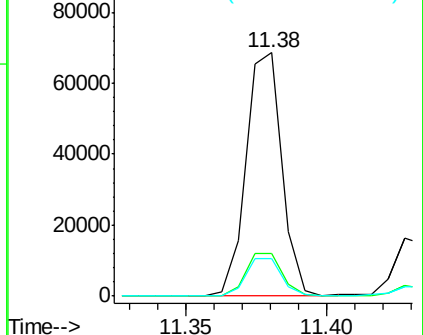
179 15.3 13.0 19.6

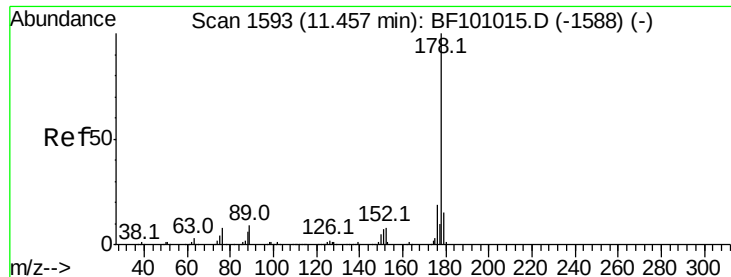


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

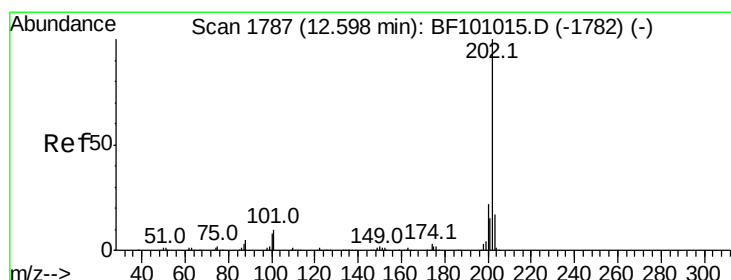
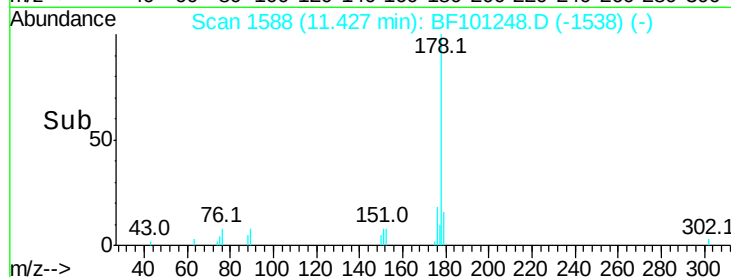
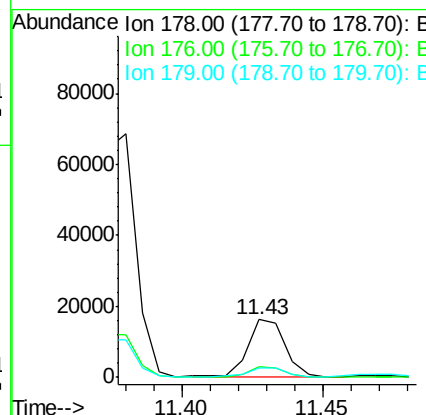
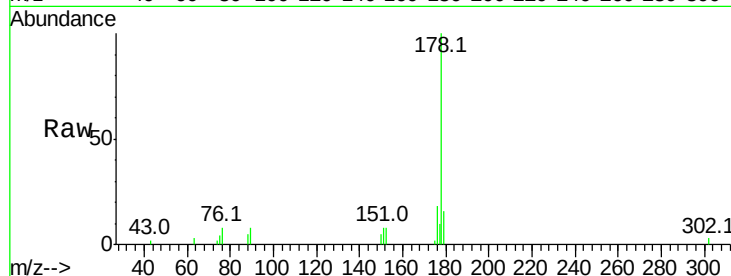




#71
 Anthracene
 Concen: 2.265 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. -0.01 min
 Lab File: BF101248.D
 Acq: 8 Dec 2017 20:52

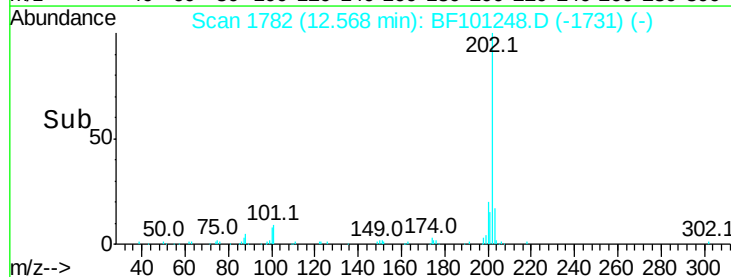
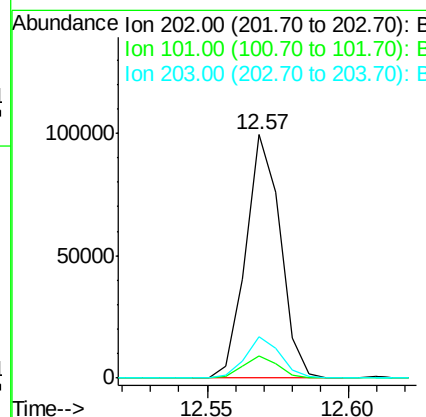
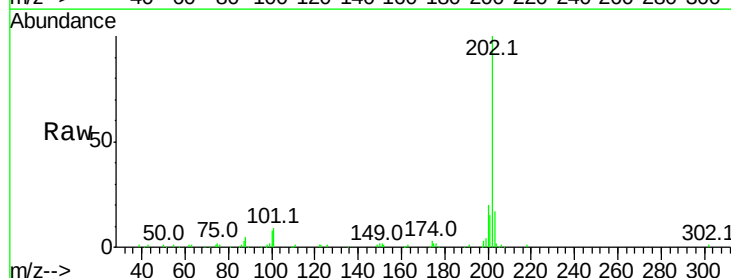
Instrument :
 BNA_F
 ClientSampleId :

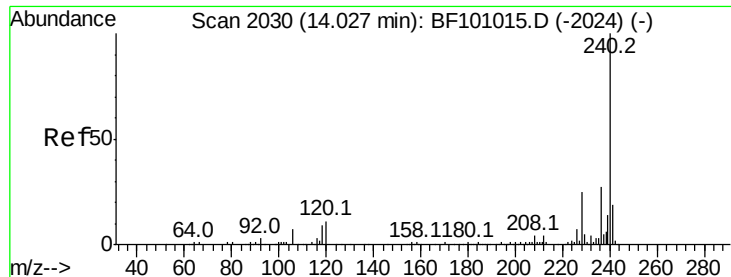
Tot Ion:178 Resp: 15043
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.4 23.2
 179 16.4 12.6 19.0



#74
 Fluoranthene
 Concen: 11.613 ng
 RT: 12.57 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: BF101248.D
 Acq: 8 Dec 2017 20:52

Tgt Ion:202 Resp: 84484
 Ion Ratio Lower Upper
 202 100
 101 9.2 0.0 34.1
 203 17.0 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.00 min

Lab File: BF101248.D

Acq: 8 Dec 2017 20:52

Instrument :

BNA_F

ClientSampleId :

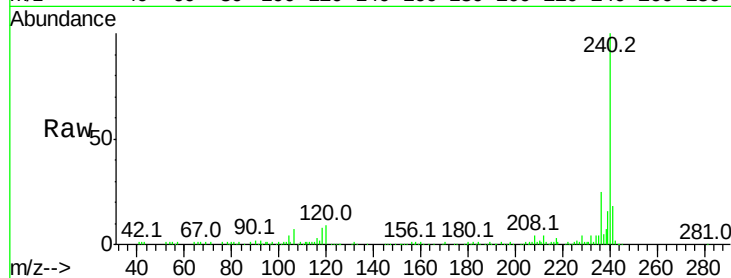
Tot Ion:240 Resp: 97491

Ion Ratio Lower Upper

240 100

120 9.2 9.5 14.3#

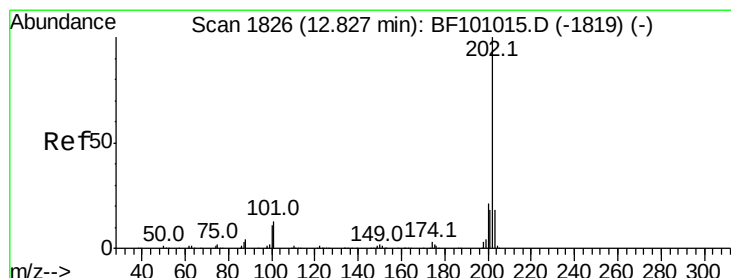
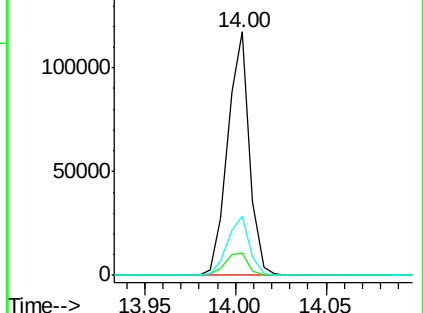
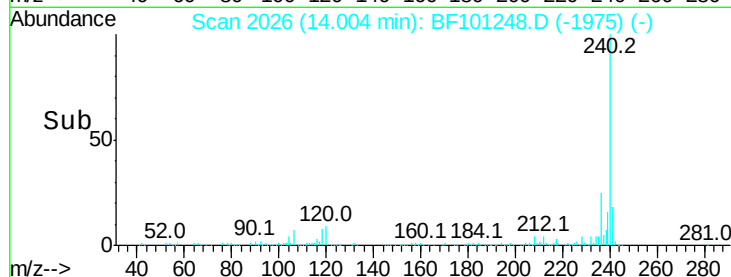
236 24.5 20.7 31.1



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: 10.696 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF101248.D

Acq: 8 Dec 2017 20:52

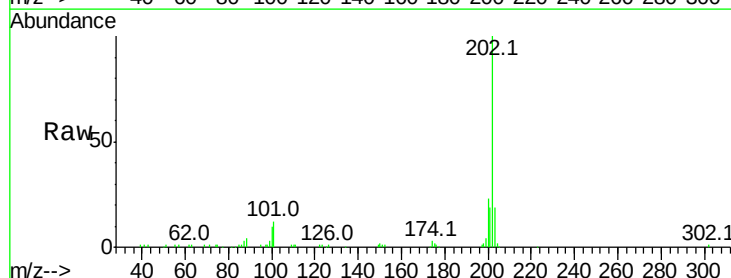
Tgt Ion:202 Resp: 71954

Ion Ratio Lower Upper

202 100

200 22.7 17.4 26.2

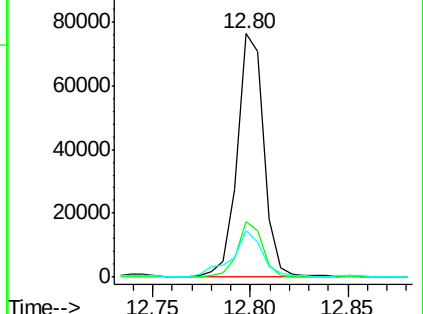
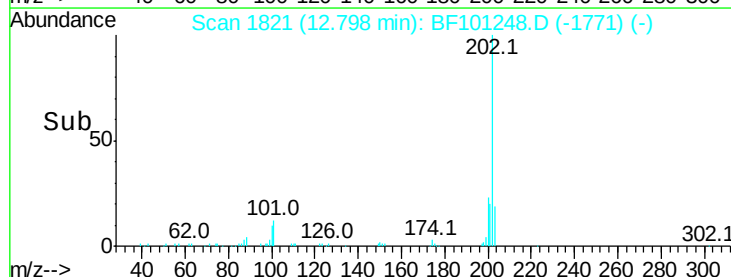
203 19.1 14.3 21.5

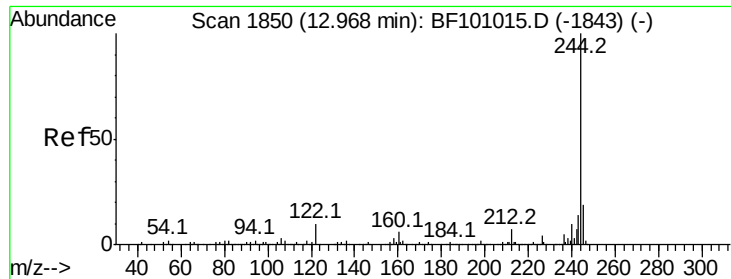


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

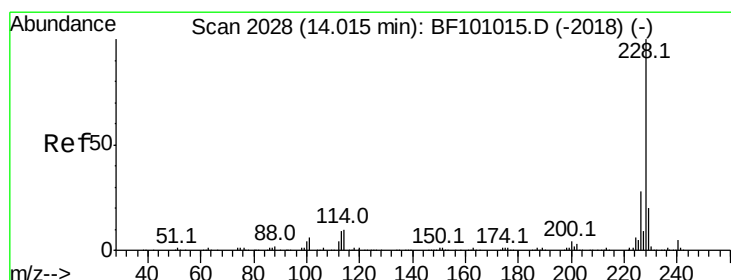
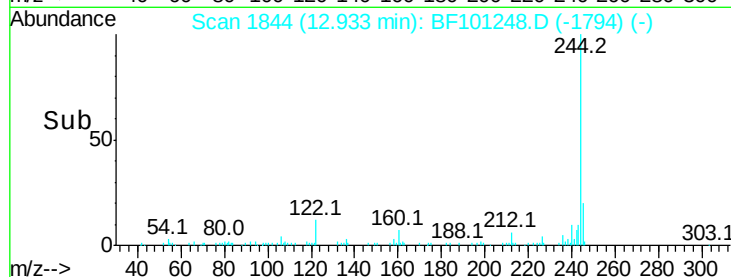
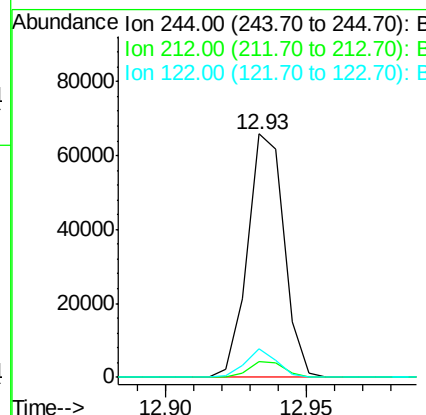
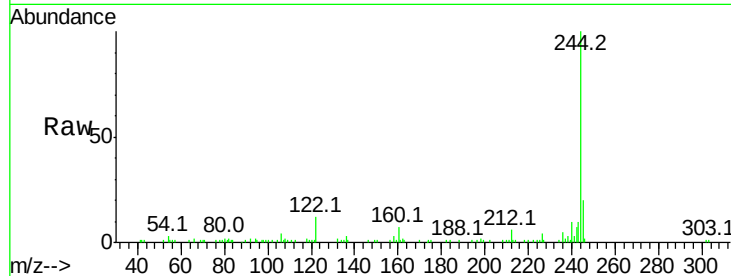




#78
 Terphenyl-d14
 Concen: 13.261 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. -0.01 min
 Lab File: BF101248.D
 Acq: 8 Dec 2017 20:52

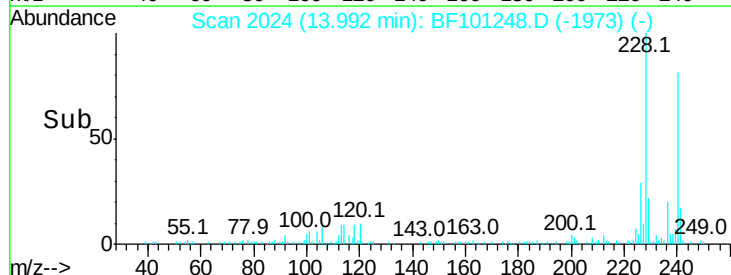
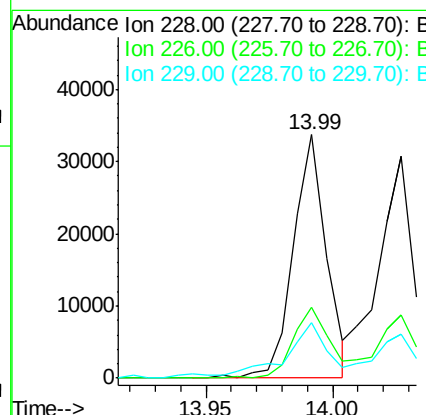
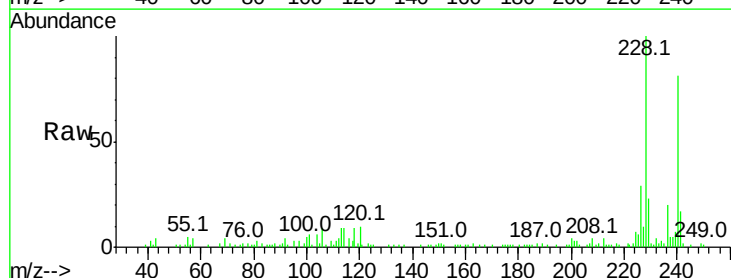
Instrument :
 BNA_F
 ClientSampleId :

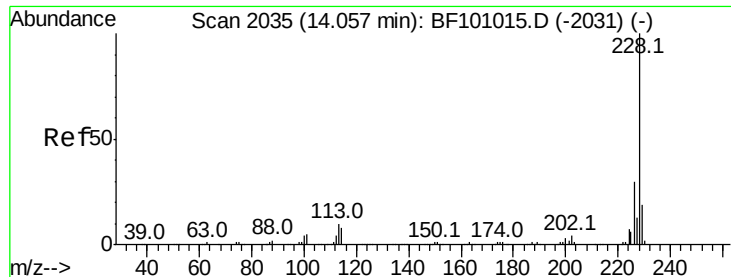
Tot Ion:244 Resp: 59106
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.4 8.0
 122 11.6 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 4.967 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.00 min
 Lab File: BF101248.D
 Acq: 8 Dec 2017 20:52

Tgt Ion:228 Resp: 30572
 Ion Ratio Lower Upper
 228 100
 226 29.1 22.6 33.8
 229 22.8 15.8 23.6





#82

Chrysene

Concen: 5.222 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF101248.D

Acq: 8 Dec 2017 20:52

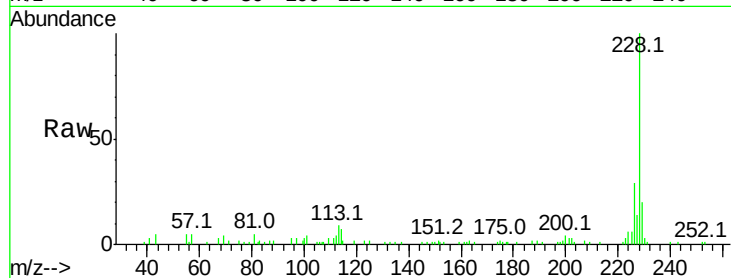
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 29855

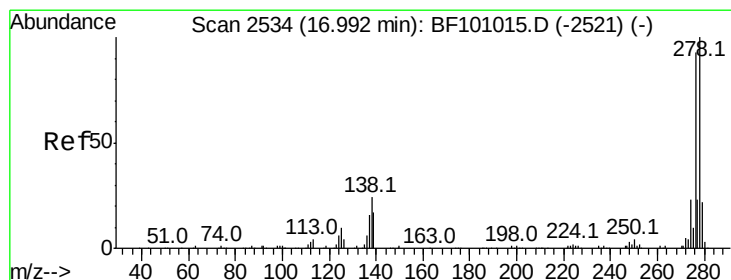
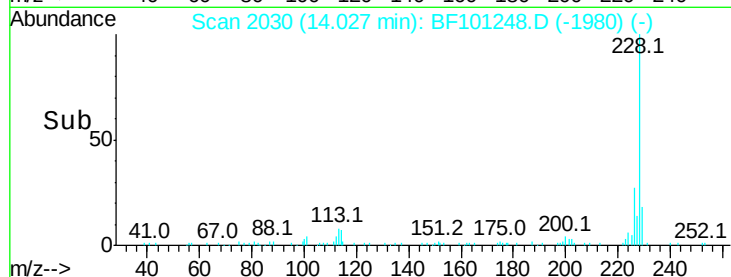
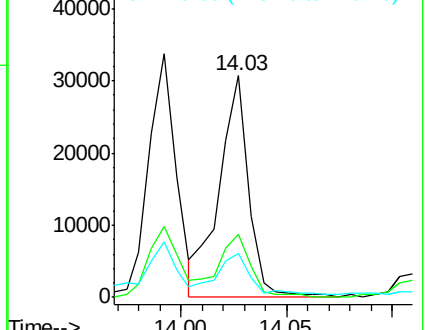
Ion	Ratio	Lower	Upper
228	100		
226	28.5	25.0	37.6
229	19.8	16.2	24.4



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: 2.213 ng

RT: 16.94 min Scan# 2526

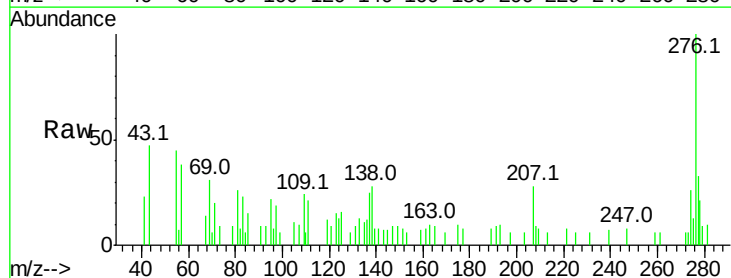
Delta R.T. -0.00 min

Lab File: BF101248.D

Acq: 8 Dec 2017 20:52

Tgt Ion:276 Resp: 11249

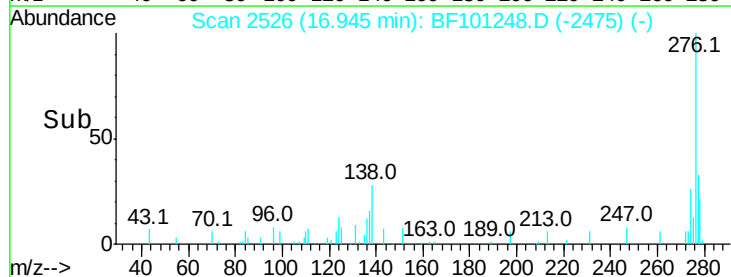
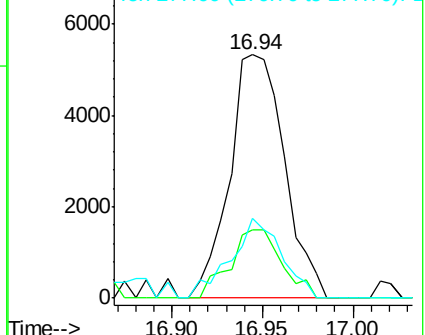
Ion	Ratio	Lower	Upper
276	100		
138	26.7	25.0	37.6
277	30.1	20.1	30.1

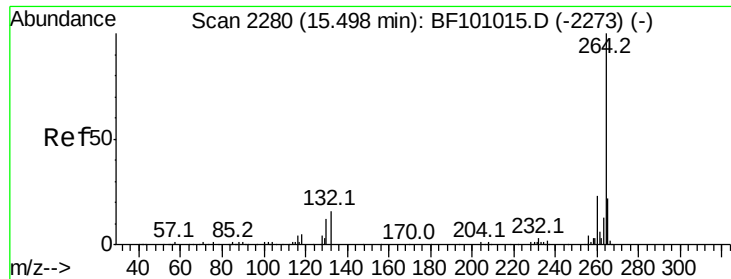


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

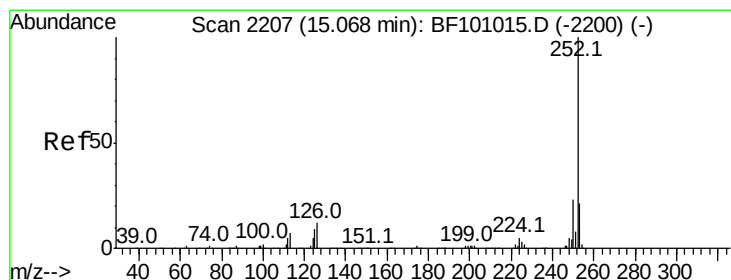
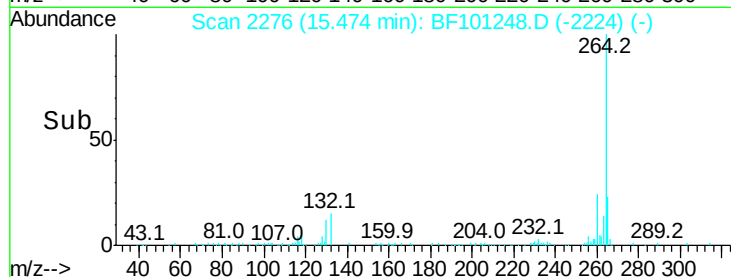
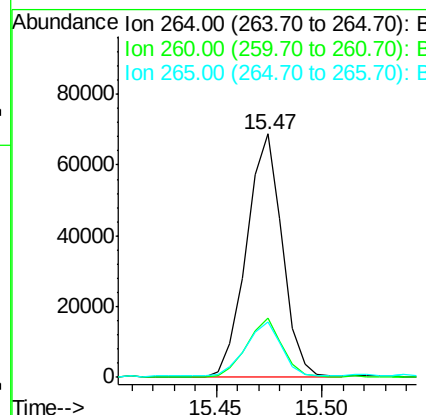
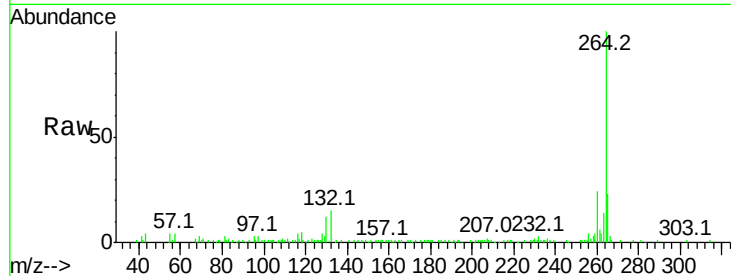




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BF101248.D
Acq: 8 Dec 2017 20:52

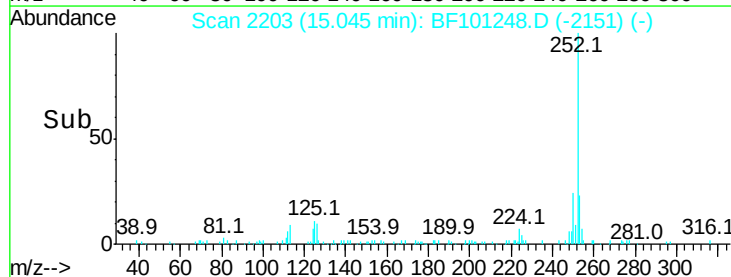
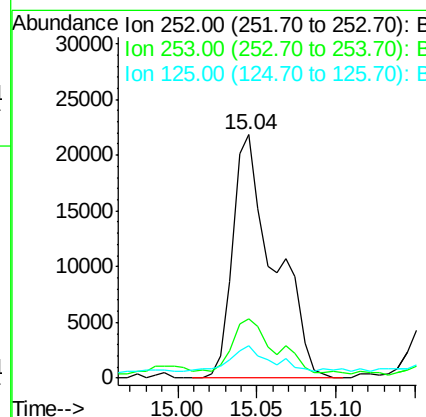
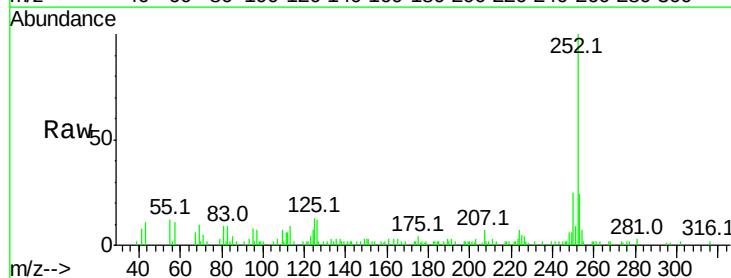
Instrument :
BNA_F
ClientSampleId :

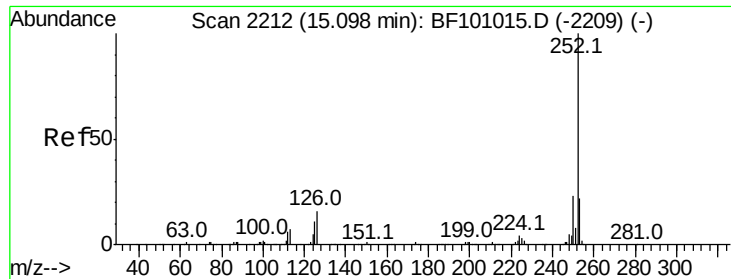
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	23.0	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 8.129 ng
RT: 15.04 min Scan# 2203
Delta R.T. 0.01 min
Lab File: BF101248.D
Acq: 8 Dec 2017 20:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.0	25.6
125	13.1	9.0	13.6

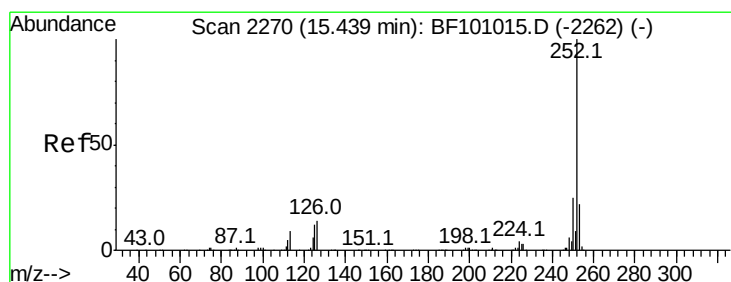
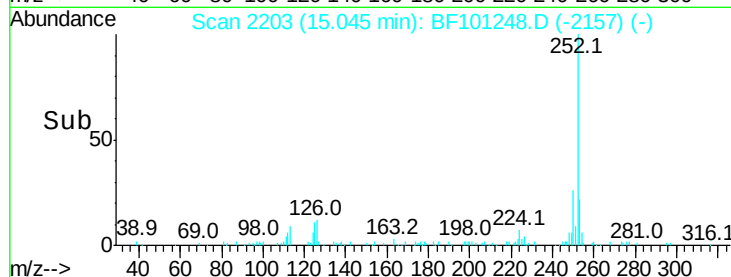
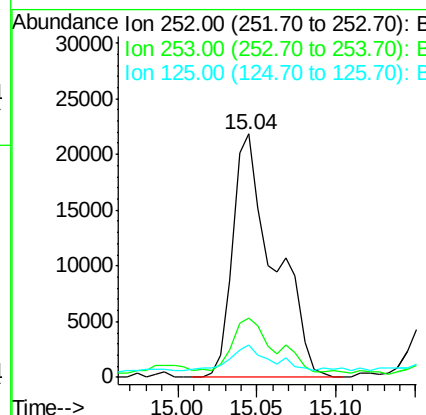
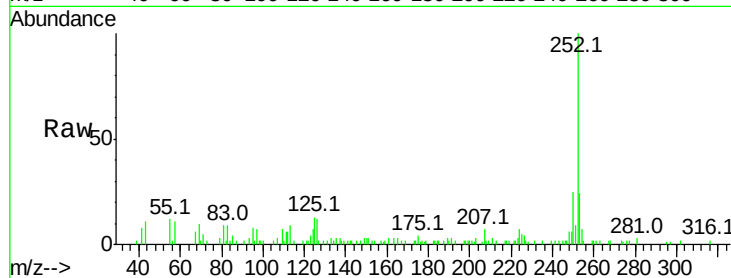




#88
Benzo(k)fluoranthene
Concen: 8.251 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.03 min
Lab File: BF101248.D
Acq: 8 Dec 2017 20:52

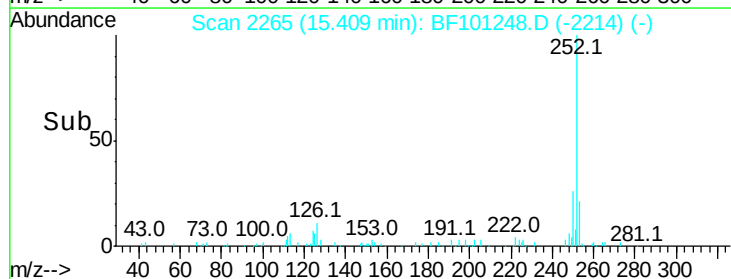
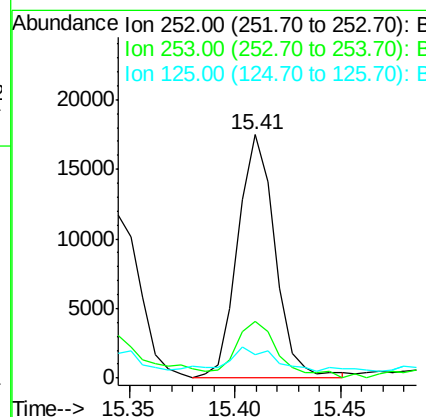
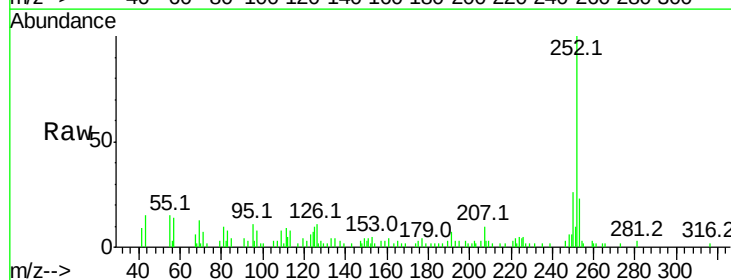
Instrument :
BNA_F
ClientSampleId :

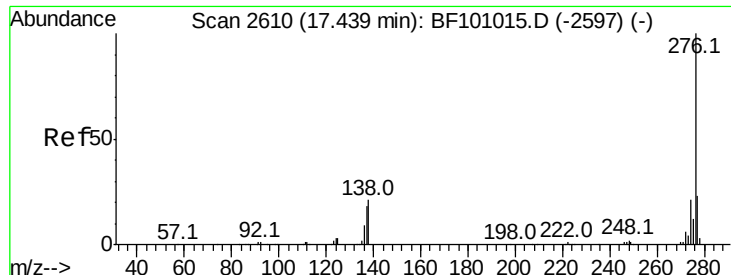
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.9	26.9
125	13.1	10.2	15.2



#89
Benzo(a)pyrene
Concen: 4.868 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.00 min
Lab File: BF101248.D
Acq: 8 Dec 2017 20:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	9.8	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 3.035 ng

RT: 17.40 min Scan# 2603

Delta R.T. 0.01 min

Lab File: BF101248.D

Acq: 8 Dec 2017 20:52

Instrument :

BNA_F

ClientSampleId :

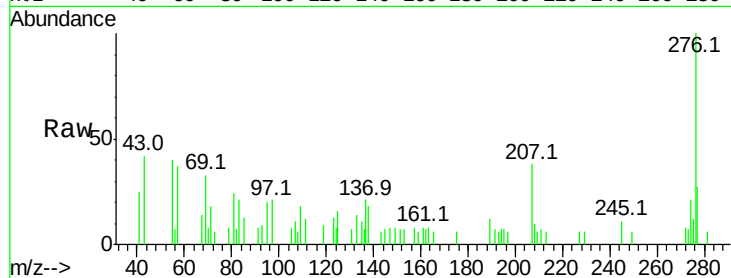
Tot Ion:276 Resp: 11112

Ion Ratio Lower Upper

276 100

277 27.0 17.9 26.9#

138 18.2 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

