

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121117\
 Data File : BF101318.D
 Acq On : 12 Dec 2017 6:56
 Operator : SJ/JU
 Sample : I6764-09 5X
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 12 09:54:59 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	6.83	152	41838	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	148495	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	57912	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	101458	20.00	ng	0.00
75) Chrysene-d12	14.02	240	86806	20.00	ng	0.01
86) Perylene-d12	15.49	264	65815	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	40056	15.82	ng	0.01
7) Phenol-d6	6.47	99	47809	15.55	ng	0.00
23) Nitrobenzene-d5	7.39	82	24604	9.88	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	8250	11.86	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	58250	13.76	ng	0.00
78) Terphenyl-d14	12.94	244	50243	12.66	ng	0.00

Target Compounds

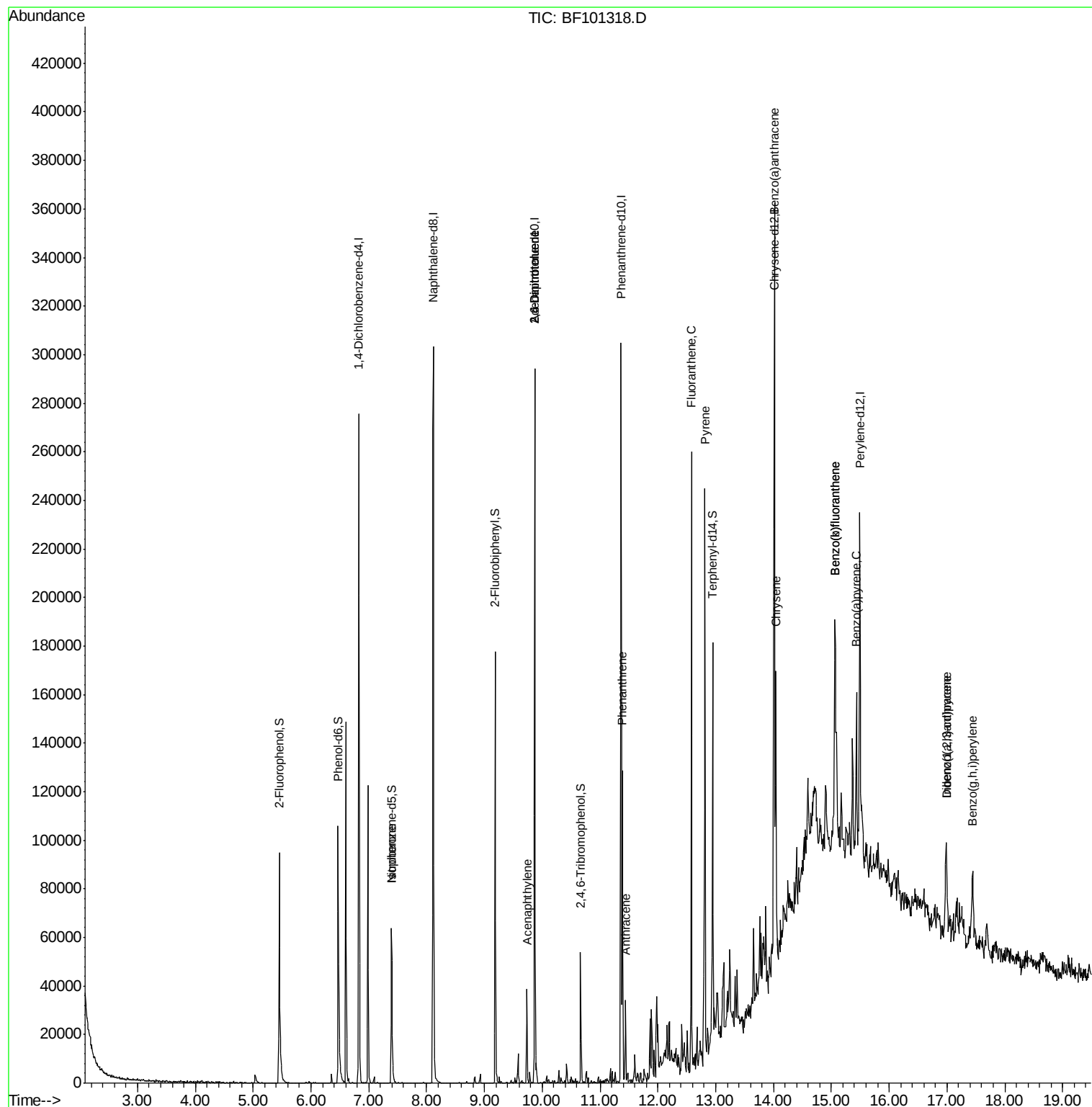
						Qvalue
25) Isophorone	7.39	82	24604	5.786	ng	# 64
48) Acenaphthylene	9.73	152	18584	3.001	ng	97
50) 2,6-Dinitrotoluene	9.87	165	7640	7.767	ng	# 24
56) 2,4-Dinitrotoluene	9.87	165	7640	5.795	ng	# 21
70) Phenanthrene	11.39	178	45015	8.057	ng	100
71) Anthracene	11.44	178	14462	2.557	ng	98
74) Fluoranthene	12.58	202	93558	15.106	ng	93
77) Pyrene	12.81	202	92344	15.417	ng	98
80) Benzo(a)anthracene	14.00	228	48998	8.940	ng	96
82) Chrysene	14.04	228	43387	8.524	ng	99
85) Indeno(1,2,3-cd)pyrene	16.99	276	19429	4.293	ng	# 86
87) Benzo(b)fluoranthene	15.06	252	62692	15.903	ng	# 96
88) Benzo(k)fluoranthene	15.06	252	62692	16.142	ng	99
89) Benzo(a)pyrene	15.43	252	29663	8.277	ng	96
90) Dibenzo(a,h)anthracene	16.99	278	6861	2.172	ng	# 83
91) Benzo(g,h,i)perylene	17.44	276	22864	7.679	ng	92

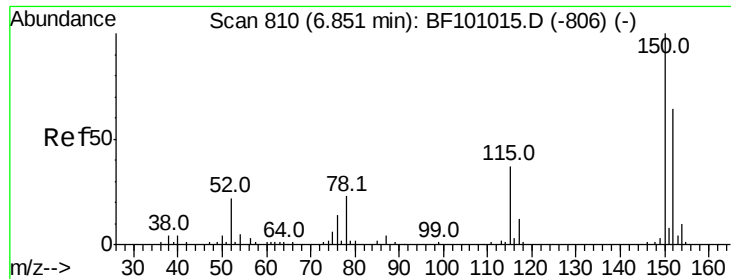
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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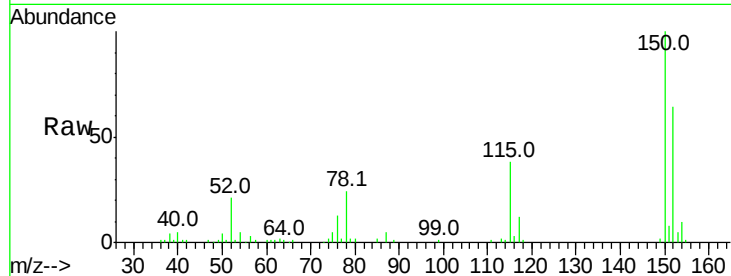


#1

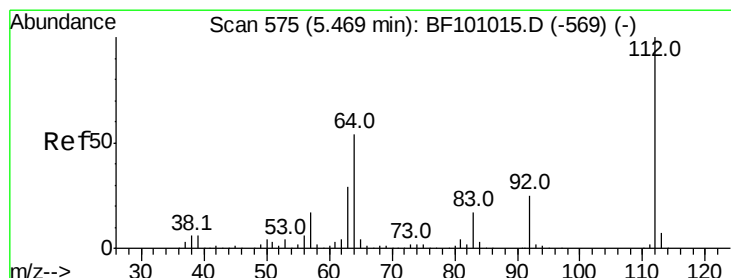
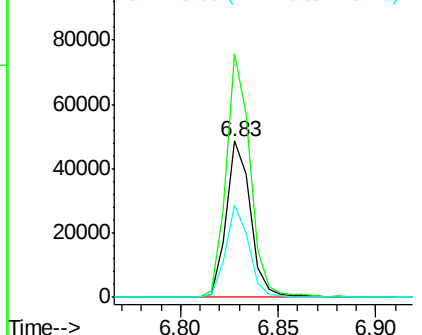
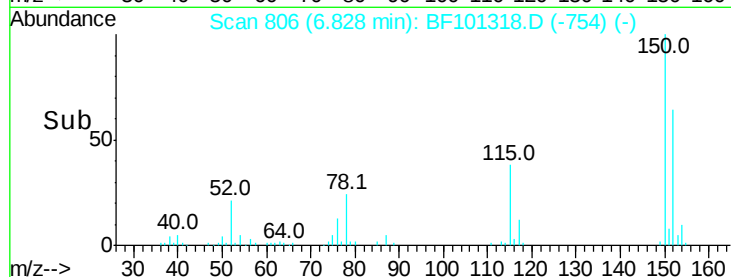
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF101318.D
Acq: 12 Dec 2017 6:56

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 41838
Ion Ratio Lower Upper
152 100
150 156.1 124.6 186.8
115 58.9 50.1 75.1



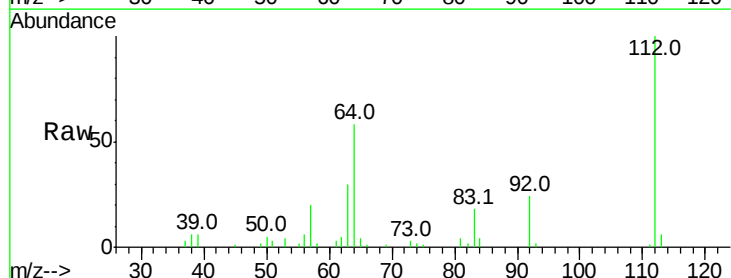
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



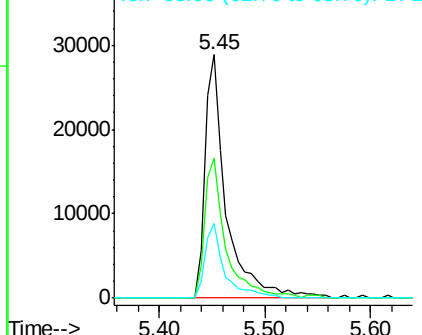
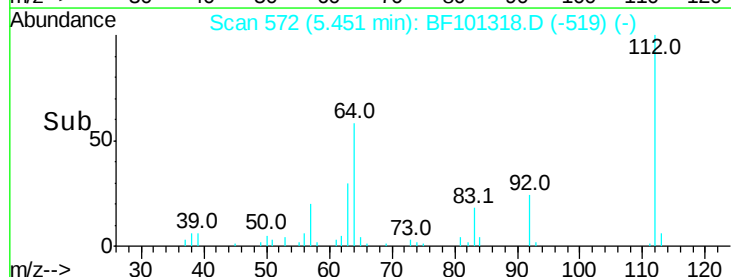
#5

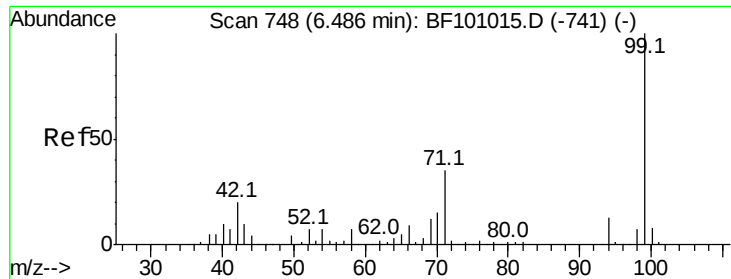
2-Fluorophenol
Concen: 15.821 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF101318.D
Acq: 12 Dec 2017 6:56

Tgt Ion:112 Resp: 40056
Ion Ratio Lower Upper
112 100
64 57.7 47.9 71.9
63 30.5 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: 15.553 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF101318.D

Acq: 12 Dec 2017 6:56

Instrument :

BNA_F

ClientSampleId :

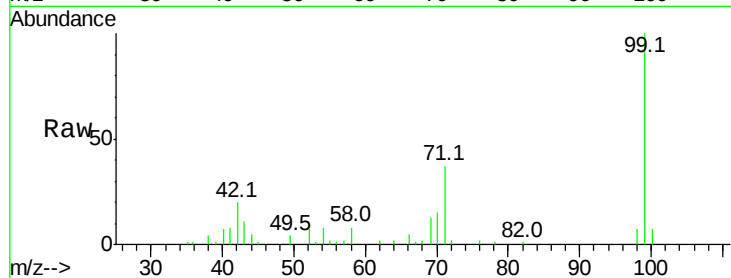
Tot Ion: 99 Resp: 47809

Ion Ratio Lower Upper

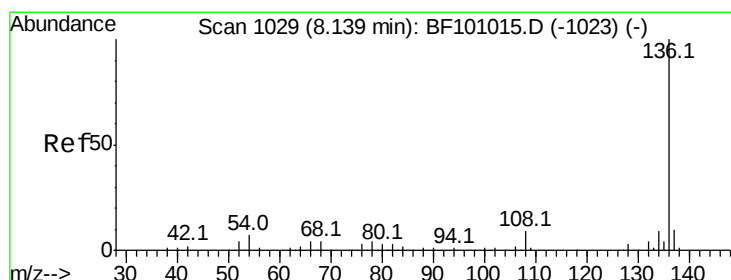
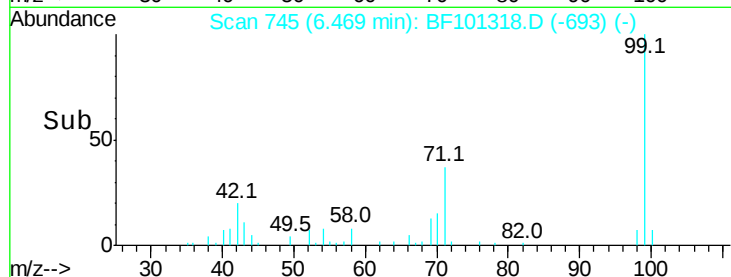
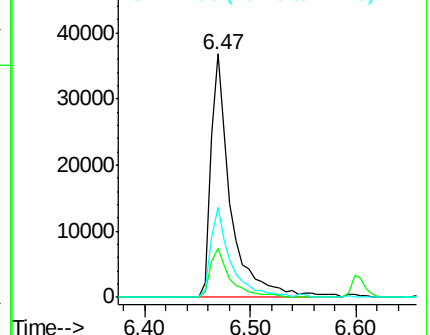
99 100

42 20.0 14.5 21.7

71 37.2 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. 0.01 min

Lab File: BF101318.D

Acq: 12 Dec 2017 6:56

Tgt Ion: 136 Resp: 148495

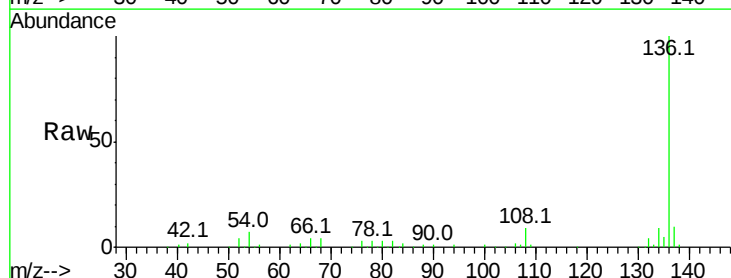
Ion Ratio Lower Upper

136 100

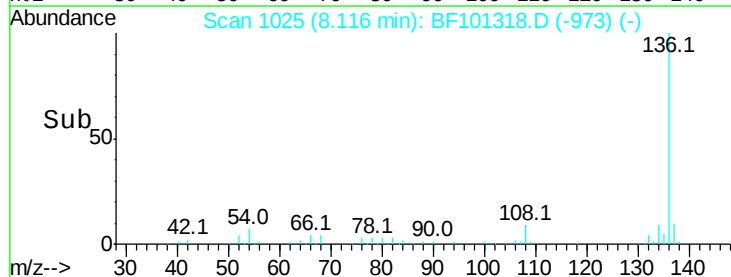
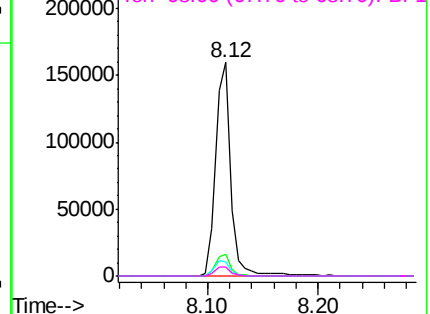
137 10.1 8.9 13.3

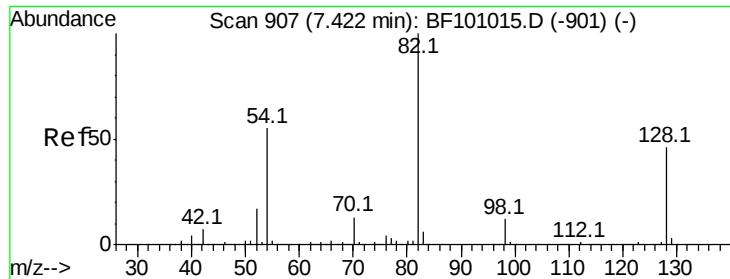
54 6.8 6.6 9.8

68 4.1 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

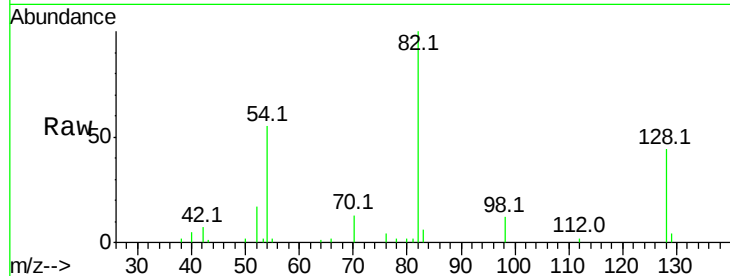




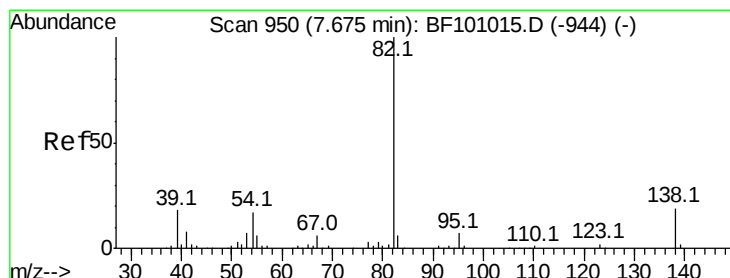
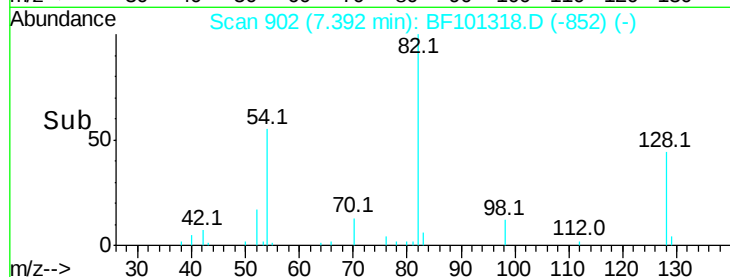
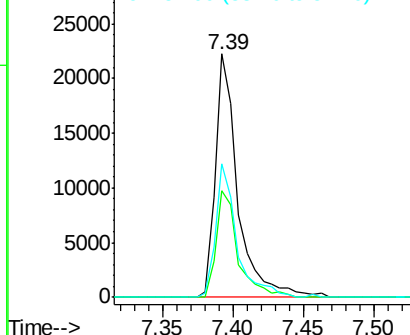
#23
 Nitrobenzene-d5
 Concen: 9.884 ng
 RT: 7.39 min Scan# 902
 Delta R.T. -0.01 min
 Lab File: BF101318.D
 Acq: 12 Dec 2017 6:56

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	24604
Ion Ratio	Lower	Upper	
82	100		
128	43.8	36.1	54.1
54	54.9	41.4	62.2

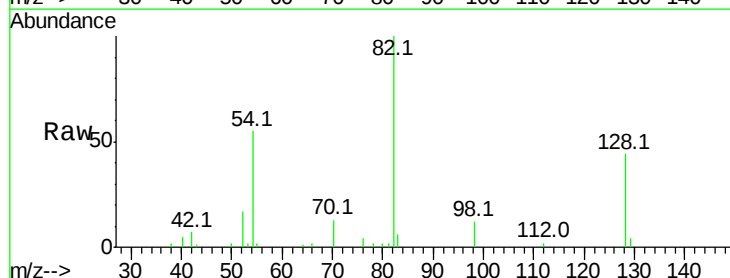


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

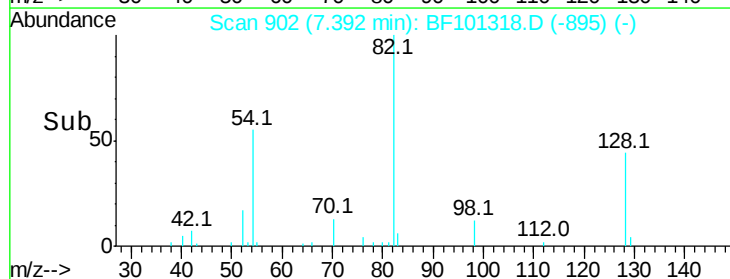
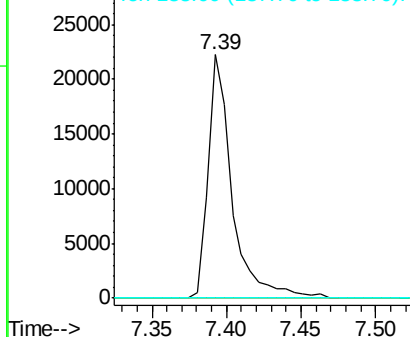


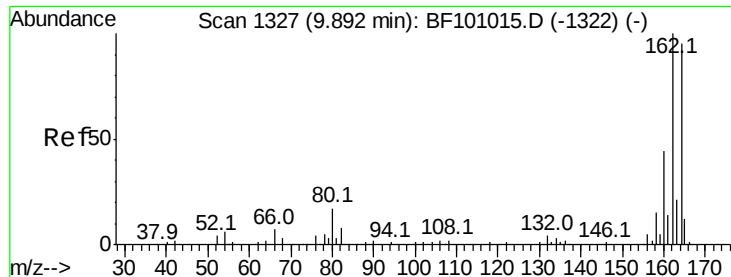
#25
 Isophorone
 Concen: 5.786 ng
 RT: 7.39 min Scan# 902
 Delta R.T. -0.26 min
 Lab File: BF101318.D
 Acq: 12 Dec 2017 6:56

Tgt Ion	82	Resp	24604
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

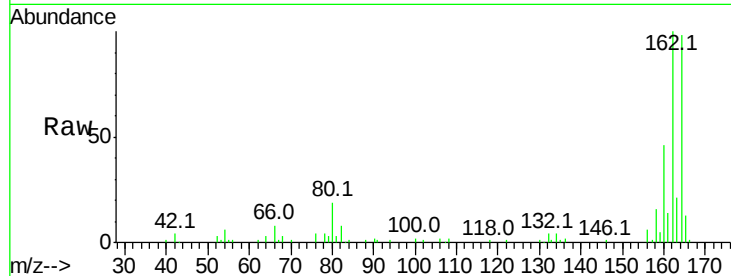




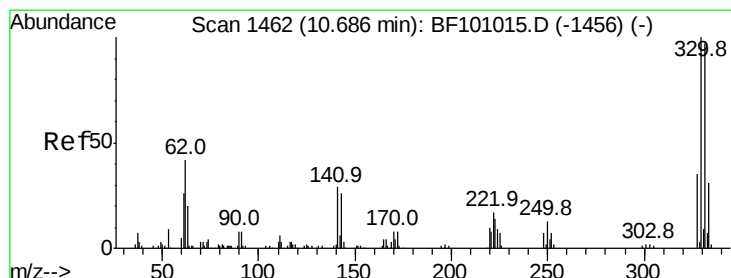
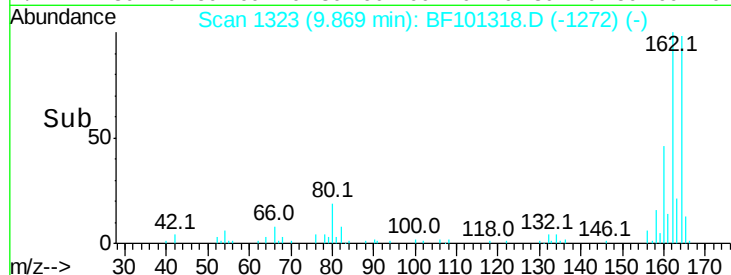
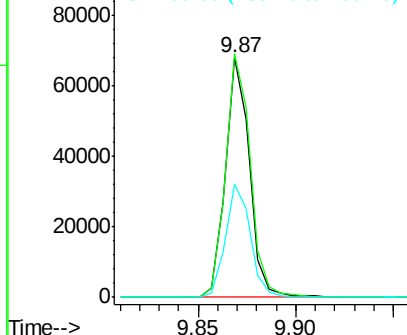
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.00 min
Lab File: BF101318.D
Acq: 12 Dec 2017 6:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 57912
Ion Ratio Lower Upper
164 100
162 101.7 86.1 129.1
160 47.3 38.3 57.5

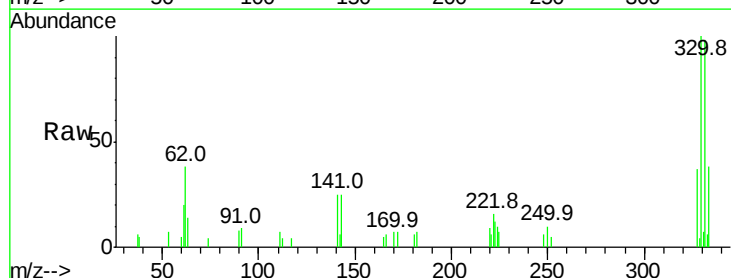


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

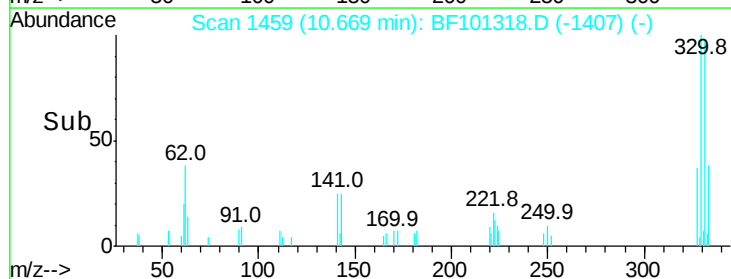
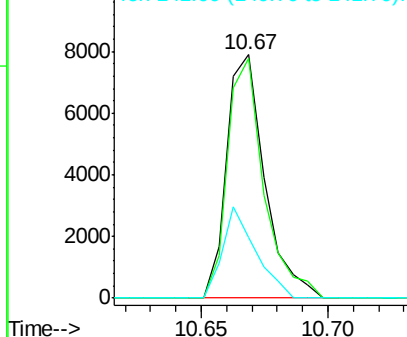


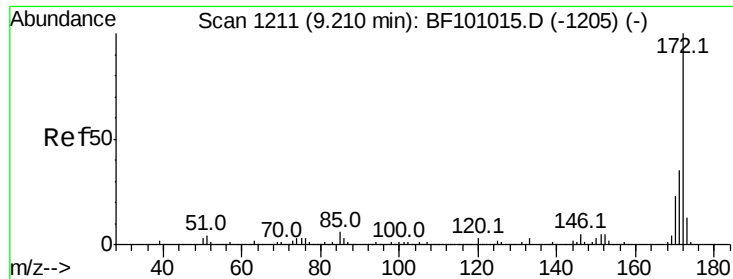
#41
2,4,6-Tribromophenol
Concen: 11.859 ng
RT: 10.67 min Scan# 1459
Delta R.T. 0.01 min
Lab File: BF101318.D
Acq: 12 Dec 2017 6:56

Tgt Ion:330 Resp: 8250
Ion Ratio Lower Upper
330 100
332 94.2 77.0 115.6
141 32.5 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

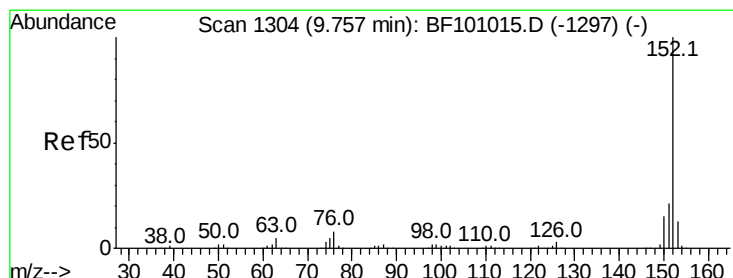
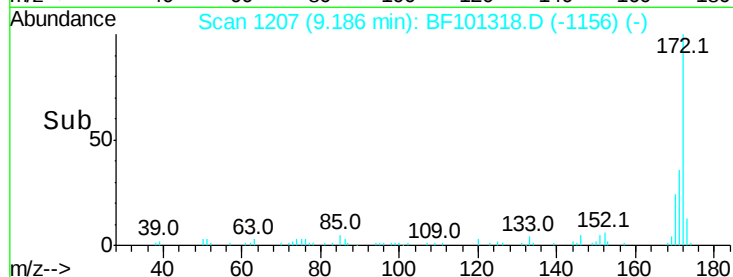
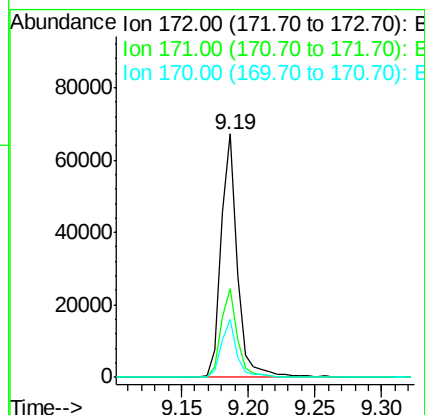
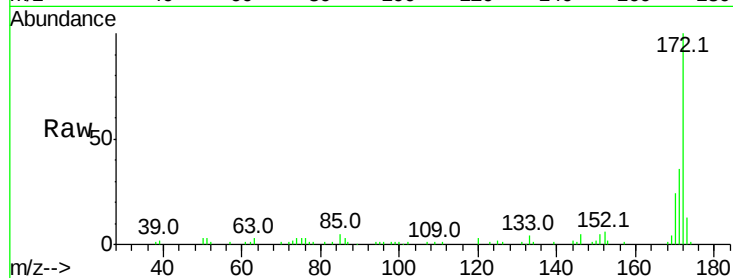




#44
 2-Fluorobiphenyl
 Concen: 13.762 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.00 min
 Lab File: BF101318.D
 Acq: 12 Dec 2017 6:56

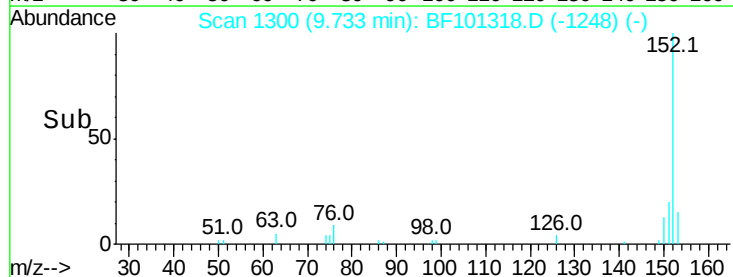
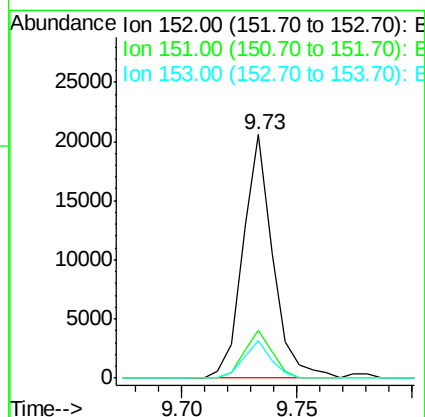
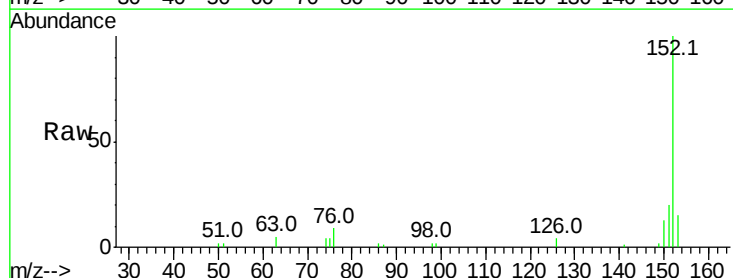
Instrument :
 BNA_F
 ClientSampleId :

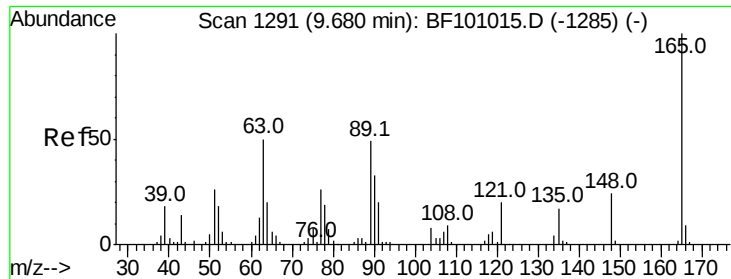
Tot Ion:172 Resp: 58250
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.7 44.5
 170 23.7 19.6 29.4



#48
 Acenaphthylene
 Concen: 3.001 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. 0.01 min
 Lab File: BF101318.D
 Acq: 12 Dec 2017 6:56

Tgt Ion:152 Resp: 18584
 Ion Ratio Lower Upper
 152 100
 151 19.5 16.3 24.5
 153 15.2 10.7 16.1

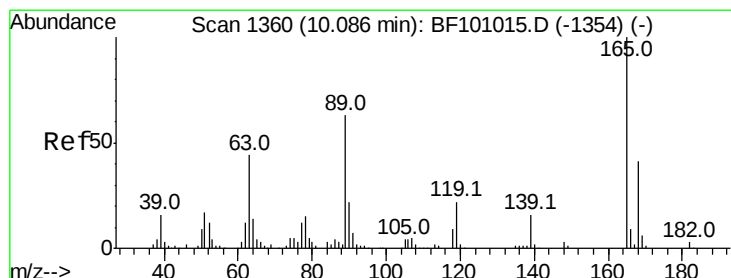
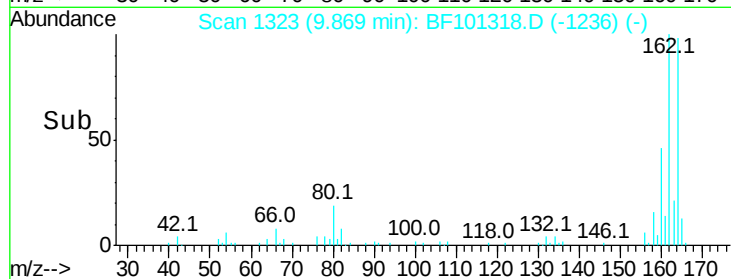
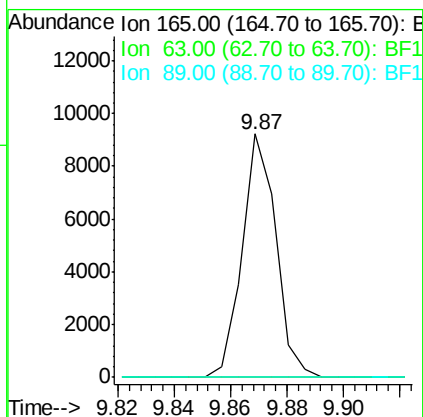
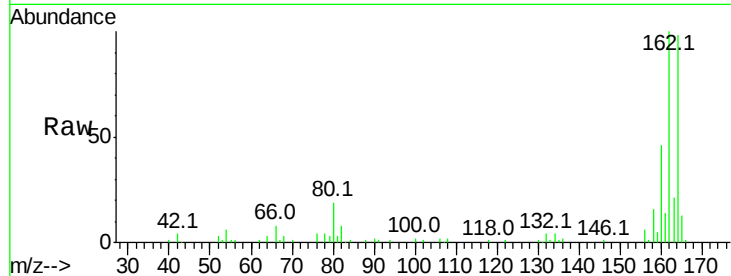




#50
 2,6-Dinitrotoluene
 Concen: 7.767 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.21 min
 Lab File: BF101318.D
 Acq: 12 Dec 2017 6:56

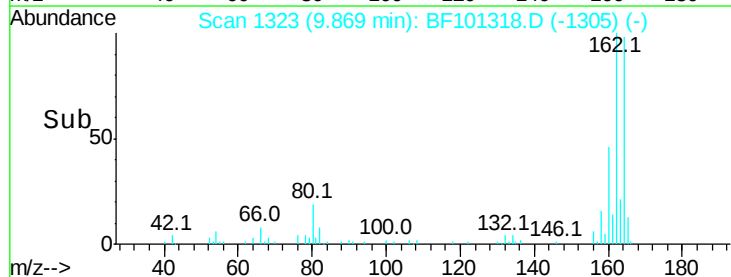
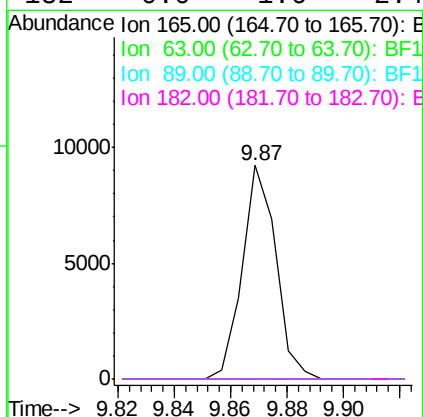
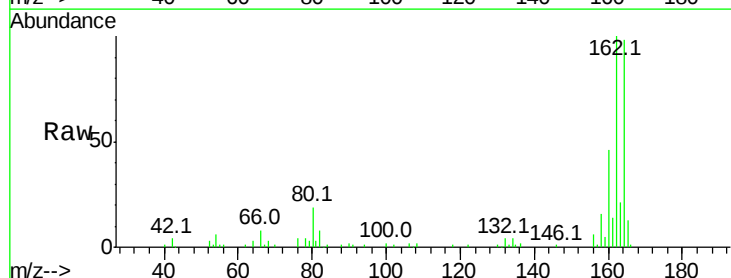
Instrument :
 BNA_F
 ClientSampleId :

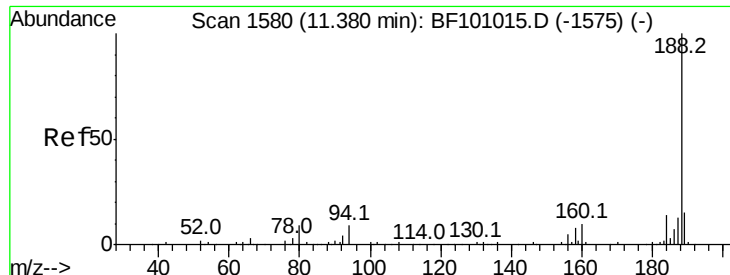
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 5.795 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.19 min
 Lab File: BF101318.D
 Acq: 12 Dec 2017 6:56

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#

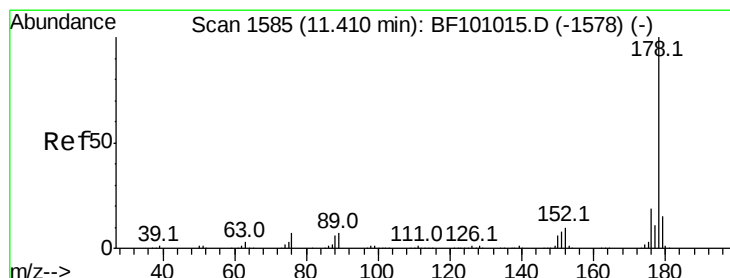
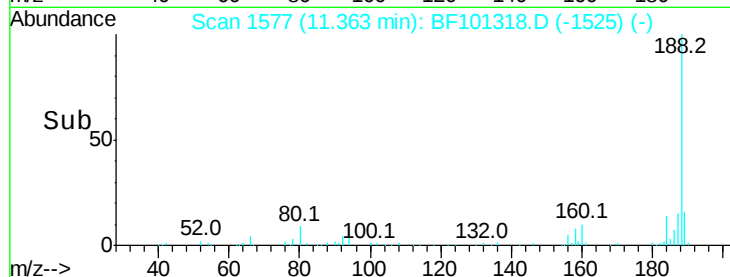
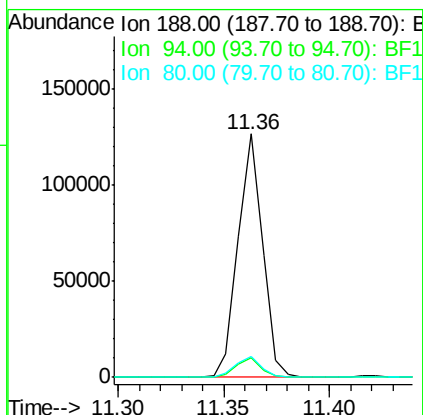
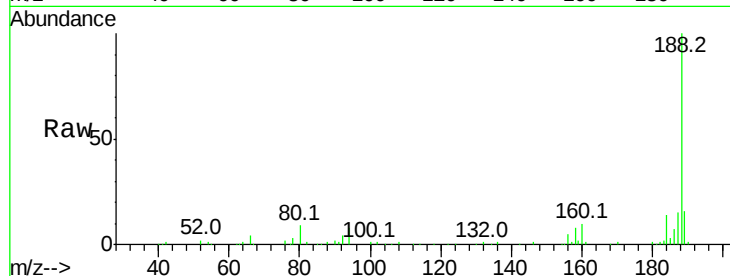




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. 0.01 min
 Lab File: BF101318.D
 Acq: 12 Dec 2017 6:56

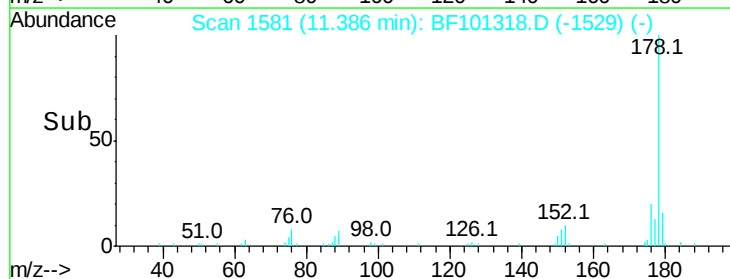
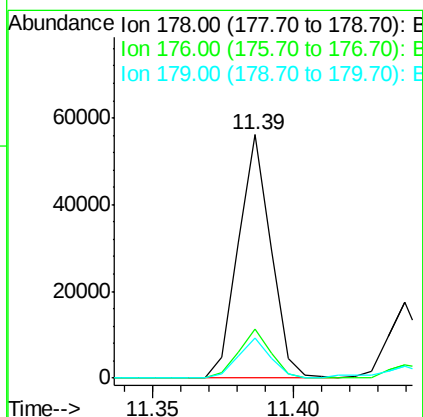
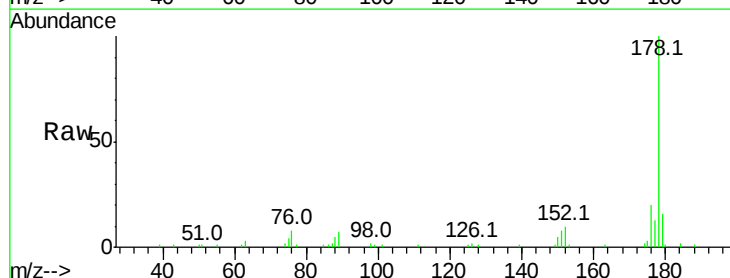
Instrument :
 BNA_F
 ClientSampleId :

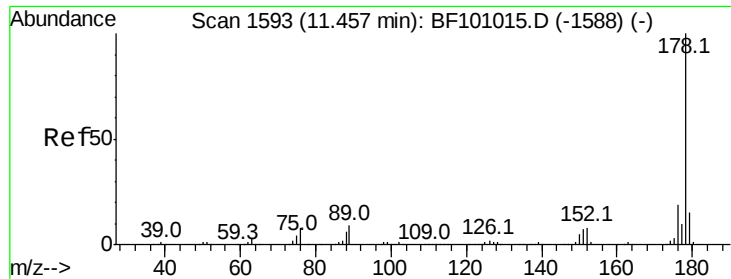
Tot Ion:188 Resp: 101458
 Ion Ratio Lower Upper
 188 100
 94 8.2 8.5 12.7#
 80 8.7 9.2 13.8#



#70
 Phenanthrene
 Concen: 8.057 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. 0.01 min
 Lab File: BF101318.D
 Acq: 12 Dec 2017 6:56

Tgt Ion:178 Resp: 45015
 Ion Ratio Lower Upper
 178 100
 176 19.9 15.8 23.8
 179 16.3 13.0 19.6

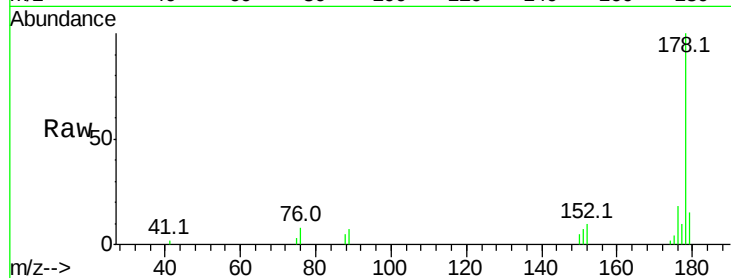




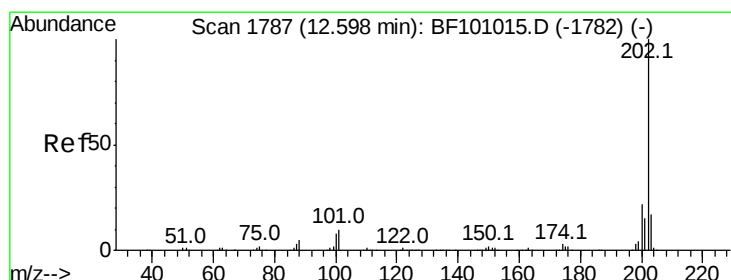
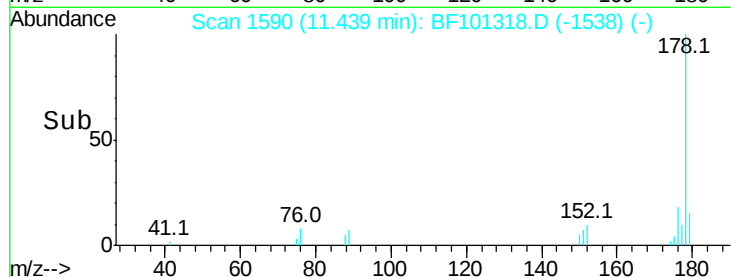
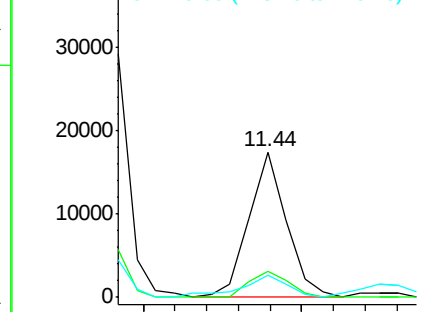
#71
 Anthracene
 Concen: 2.557 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. 0.01 min
 Lab File: BF101318.D
 Acq: 12 Dec 2017 6:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 14462
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.4 23.2
 179 15.4 12.6 19.0

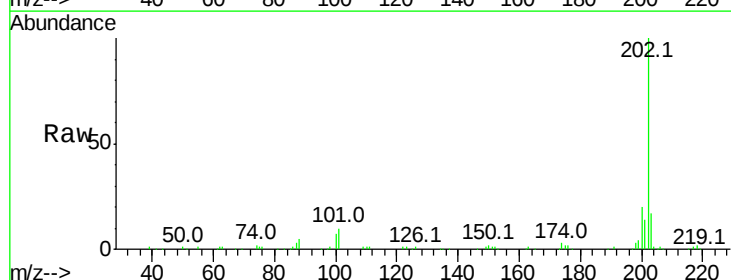


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

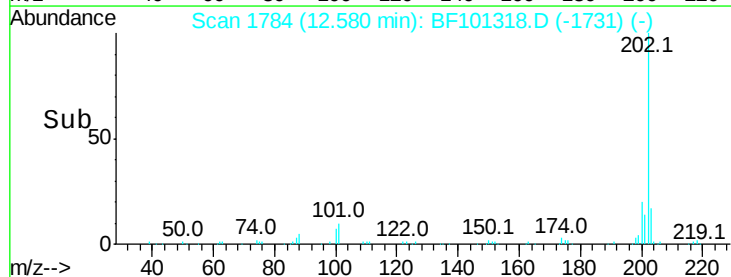
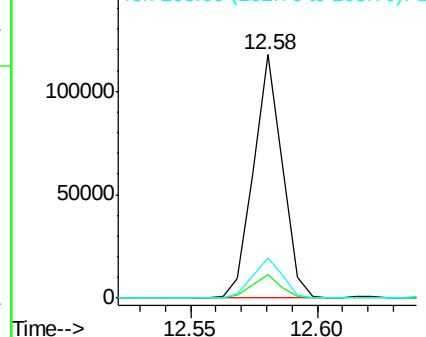


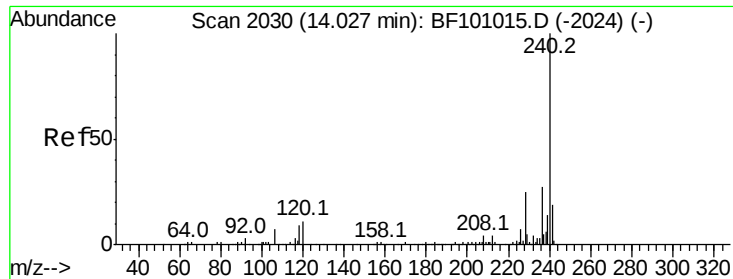
#74
 Fluoranthene
 Concen: 15.106 ng
 RT: 12.58 min Scan# 1784
 Delta R.T. 0.01 min
 Lab File: BF101318.D
 Acq: 12 Dec 2017 6:56

Tgt Ion:202 Resp: 93558
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 34.1
 203 16.6 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: 14.02 min Scan# 2028

Delta R.T. 0.01 min

Lab File: BF101318.D

Acq: 12 Dec 2017 6:56

Instrument :

BNA_F

ClientSampleId :

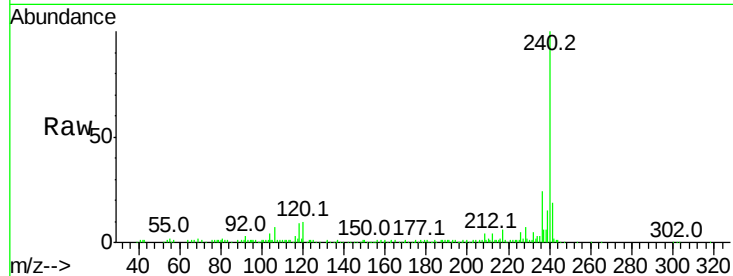
Tot Ion:240 Resp: 86806

Ion Ratio Lower Upper

240 100

120 10.5 9.5 14.3

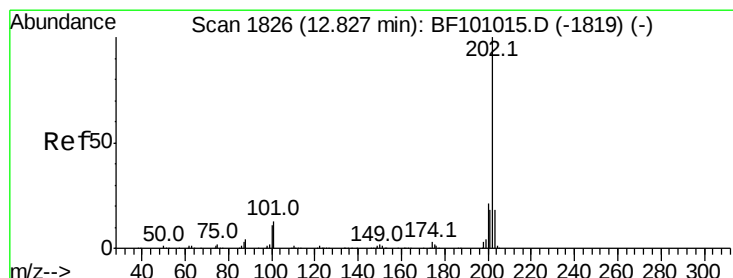
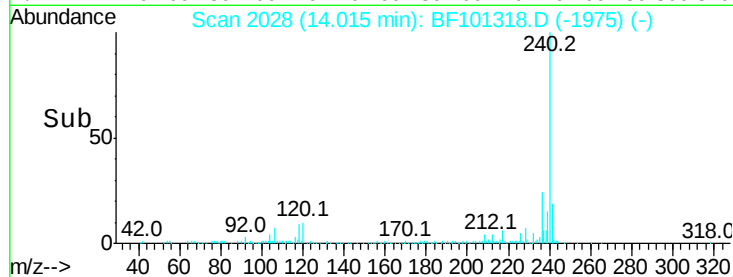
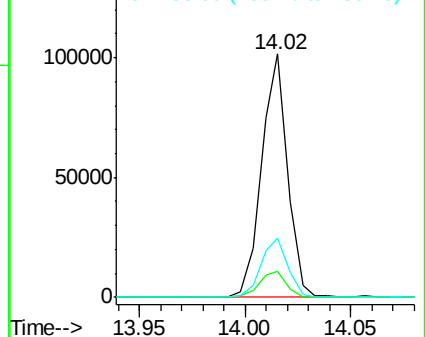
236 24.3 20.7 31.1



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: 15.417 ng

RT: 12.81 min Scan# 1823

Delta R.T. 0.01 min

Lab File: BF101318.D

Acq: 12 Dec 2017 6:56

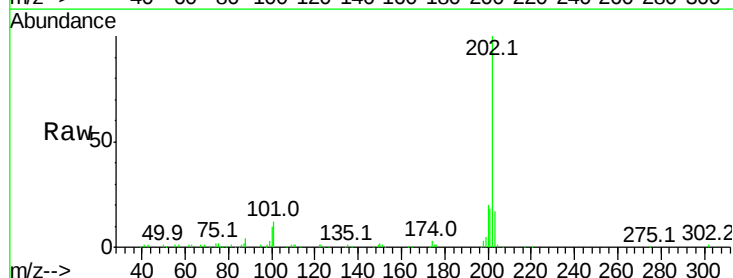
Tgt Ion:202 Resp: 92344

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

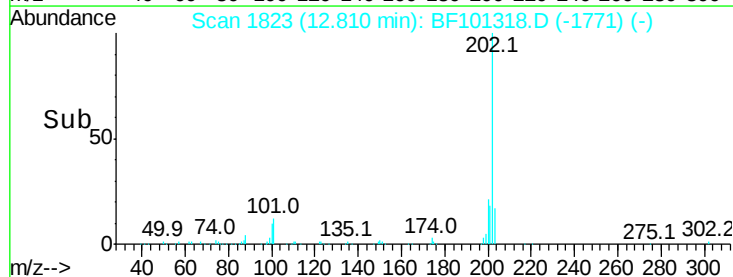
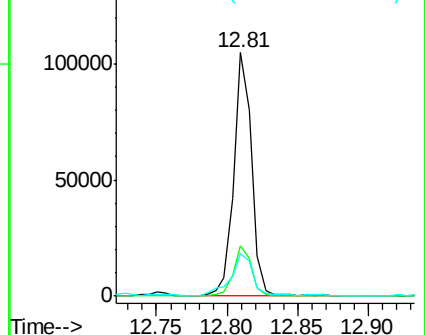
203 17.5 14.3 21.5

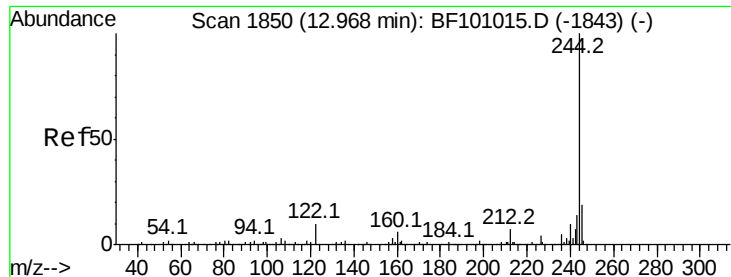


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 12.660 ng

RT: 12.94 min Scan# 1846

Delta R.T. 0.01 min

Lab File: BF101318.D

Acq: 12 Dec 2017 6:56

Instrument :

BNA_F

ClientSampleId :

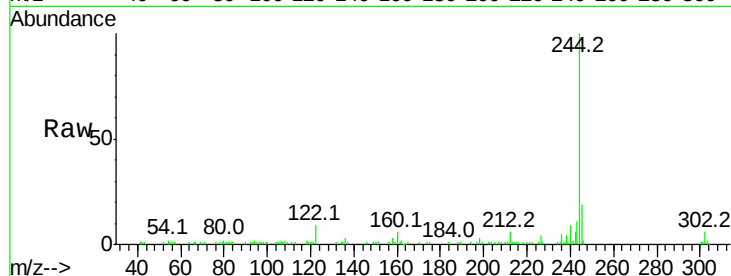
Tot Ion:244 Resp: 50243

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.0

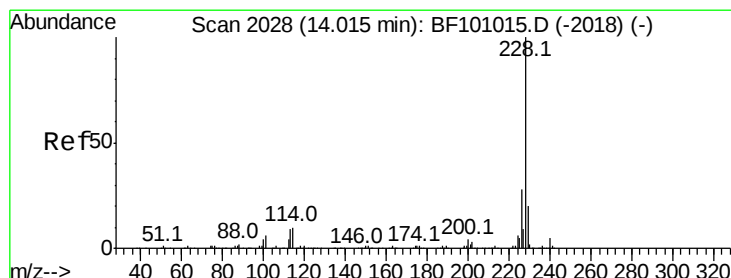
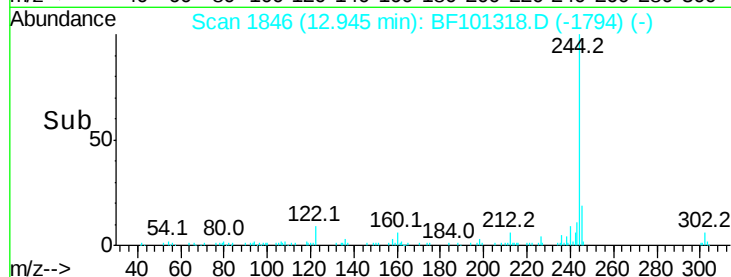
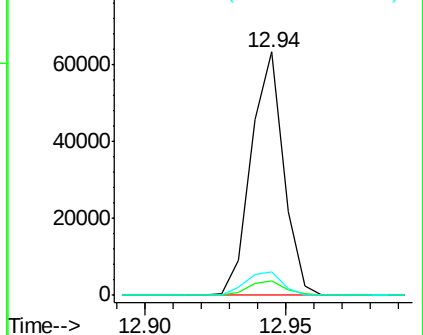
122 9.5 11.0 16.4#



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: 8.940 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF101318.D

Acq: 12 Dec 2017 6:56

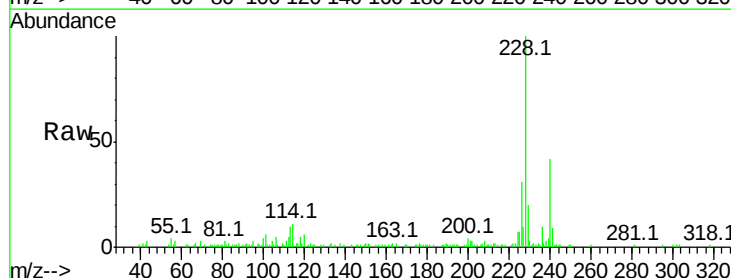
Tgt Ion:228 Resp: 48998

Ion Ratio Lower Upper

228 100

226 31.1 22.6 33.8

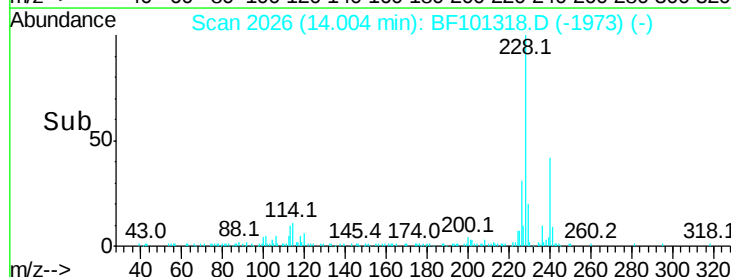
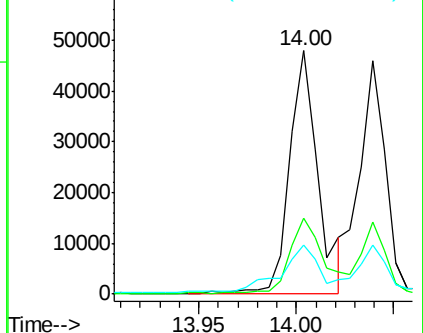
229 20.4 15.8 23.6

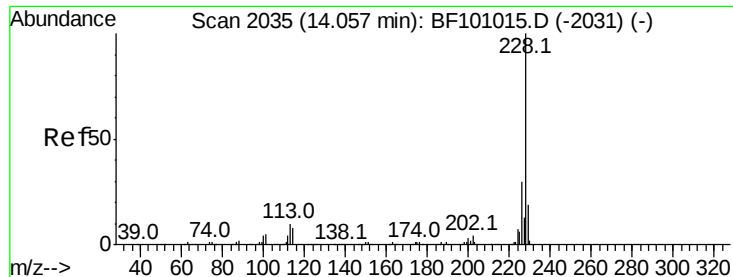


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

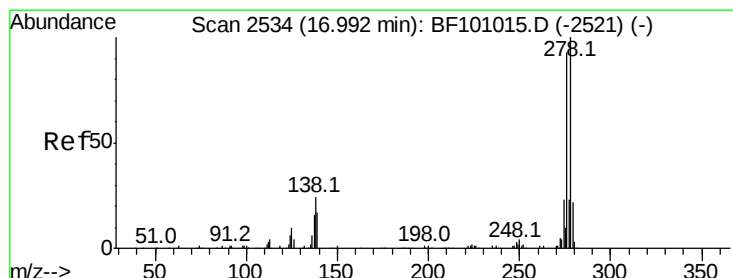
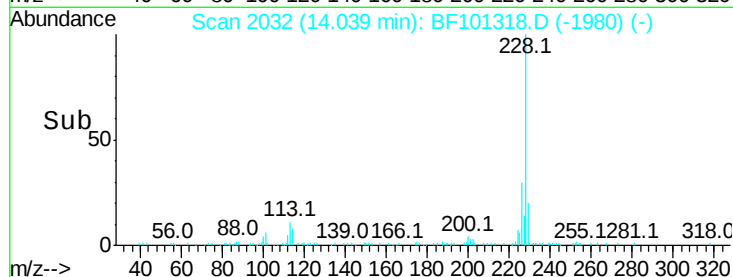
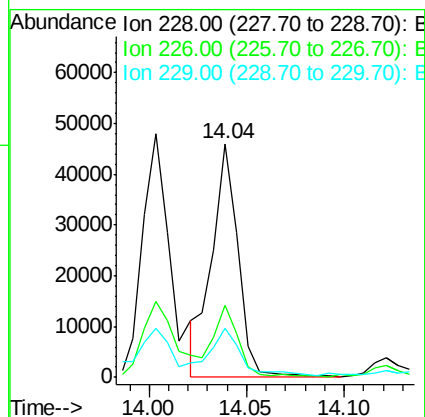
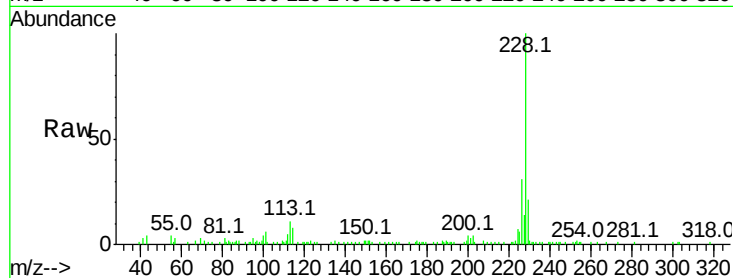




#82
Chrysene
Concen: 8.524 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.01 min
Lab File: BF101318.D
Acq: 12 Dec 2017 6:56

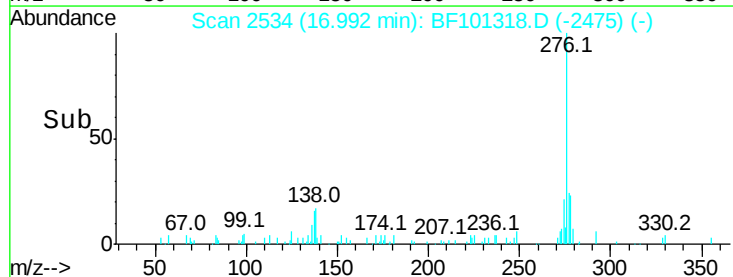
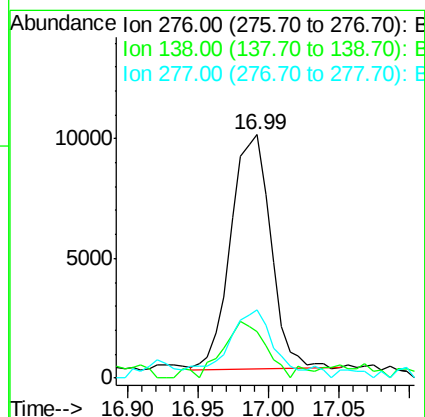
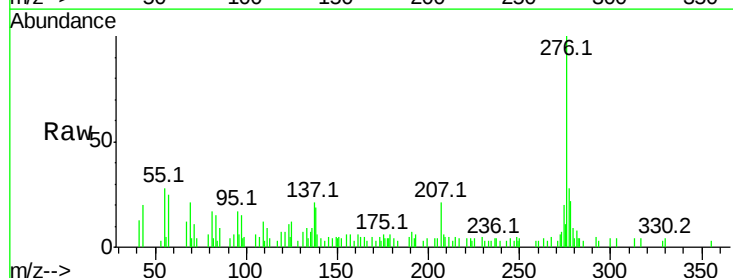
Instrument :
BNA_F
ClientSampleId :

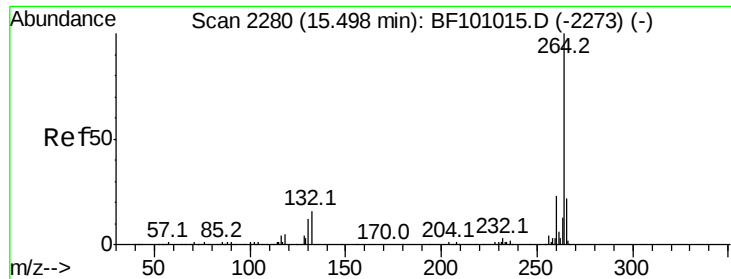
Tot Ion:228 Resp: 43387
Ion Ratio Lower Upper
228 100
226 30.7 25.0 37.6
229 21.3 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 4.293 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.05 min
Lab File: BF101318.D
Acq: 12 Dec 2017 6:56

Tgt Ion:276 Resp: 19429
Ion Ratio Lower Upper
276 100
138 26.2 25.0 37.6
277 35.3 20.1 30.1#

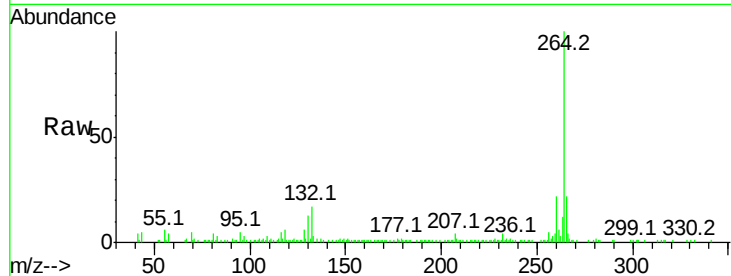




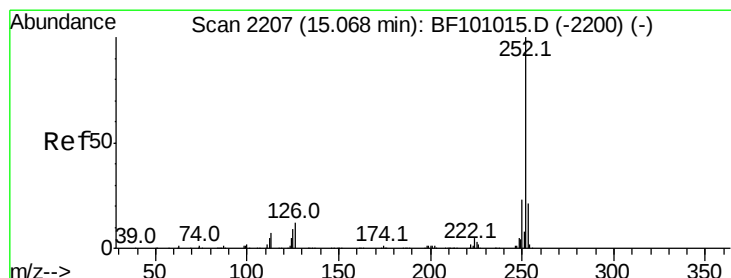
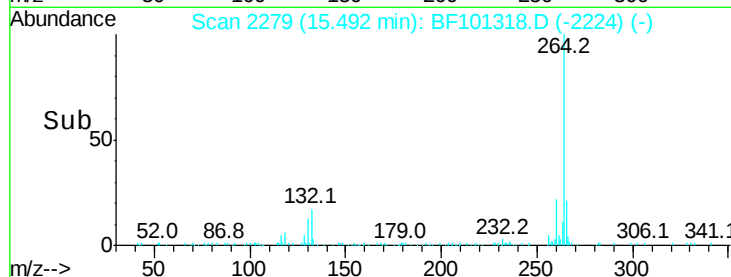
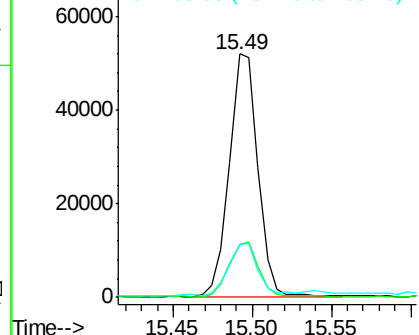
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.02 min
Lab File: BF101318.D
Acq: 12 Dec 2017 6:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.0	19.2	28.8
265	21.9	17.5	26.3

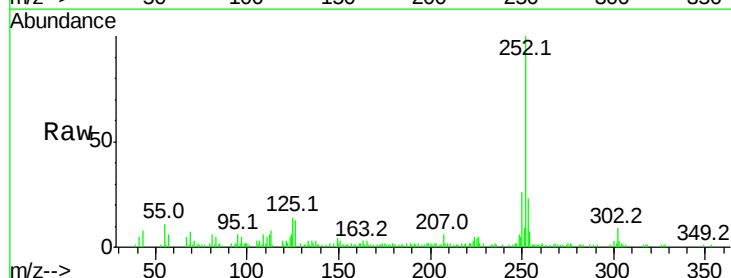


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

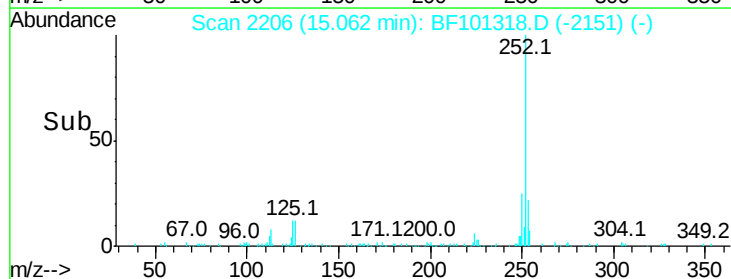
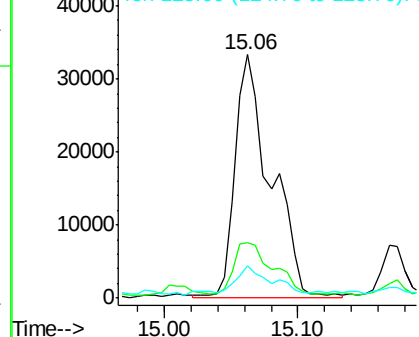


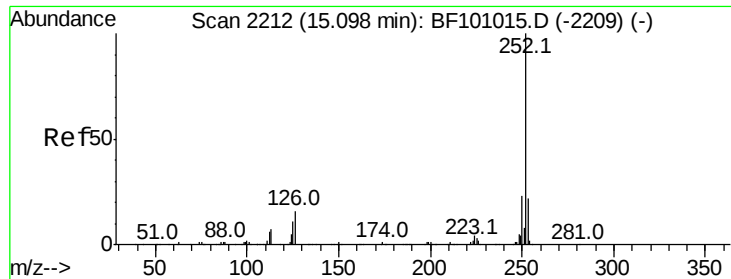
#87
Benzo(b)fluoranthene
Concen: 15.903 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.02 min
Lab File: BF101318.D
Acq: 12 Dec 2017 6:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	13.6	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

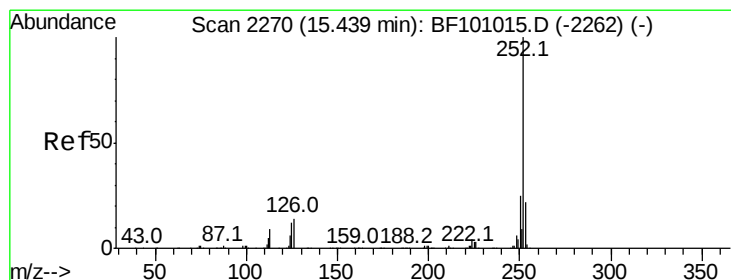
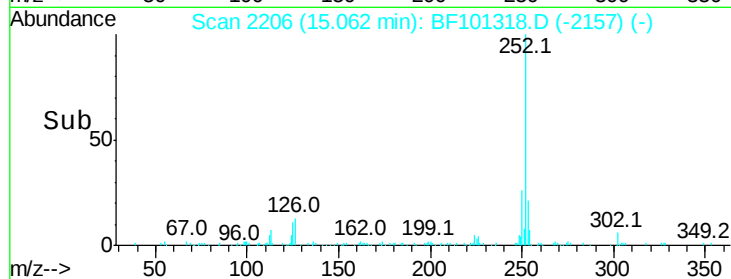
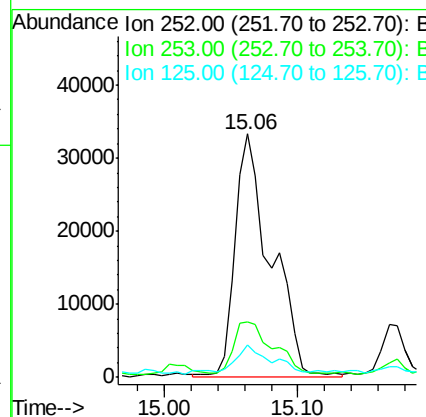
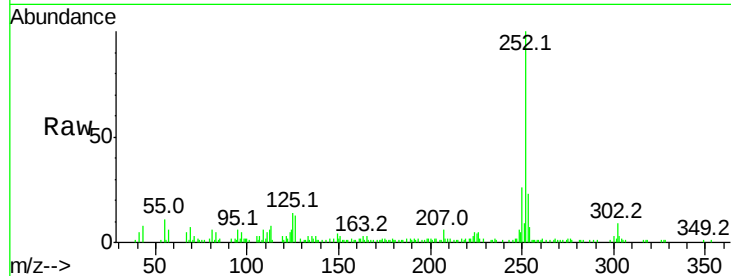




#88
Benzo(k)fluoranthene
Concen: 16.142 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF101318.D
Acq: 12 Dec 2017 6:56

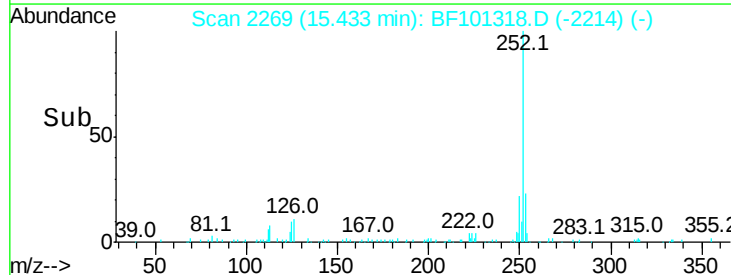
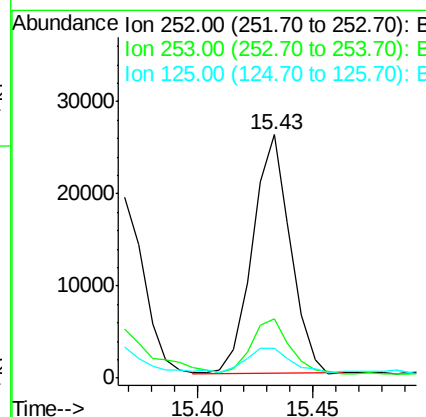
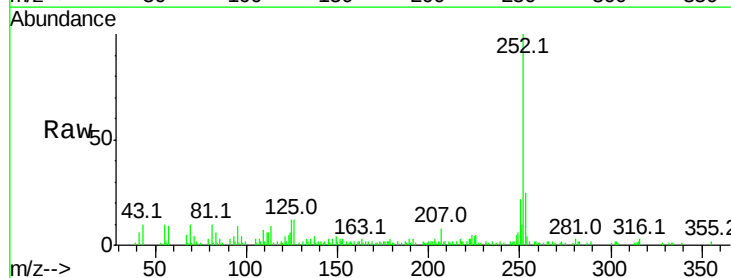
Instrument :
BNA_F
ClientSampleId :

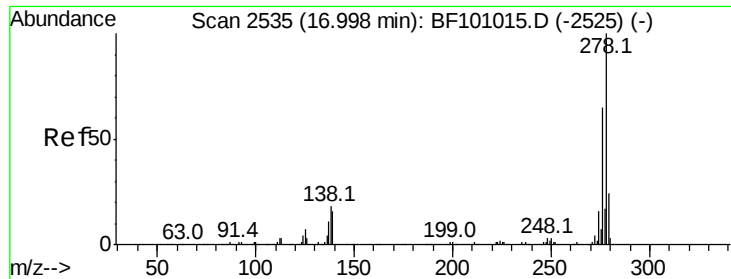
Tot Ion:252 Resp: 62692
Ion Ratio Lower Upper
252 100
253 22.7 17.9 26.9
125 13.6 10.2 15.2



#89
Benzo(a)pyrene
Concen: 8.277 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.02 min
Lab File: BF101318.D
Acq: 12 Dec 2017 6:56

Tgt Ion:252 Resp: 29663
Ion Ratio Lower Upper
252 100
253 24.6 17.1 25.7
125 12.3 9.8 14.6





#90

Dibenzo(a,h)anthracene

Concen: 2.172 ng

RT: 16.99 min Scan# 2533

Delta R.T. 0.03 min

Lab File: BF101318.D

Acq: 12 Dec 2017 6:56

Instrument :

BNA_F

ClientSampleId :

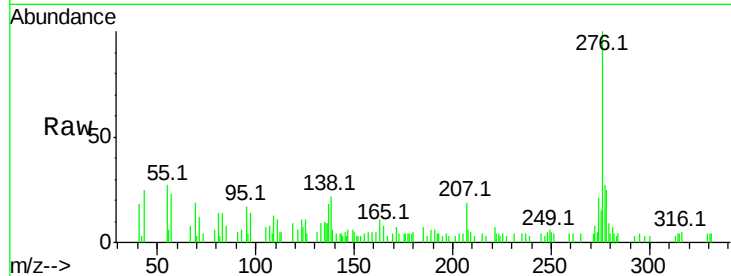
Tot Ion:278 Resp: 6861

Ion Ratio Lower Upper

278 100

139 24.4 15.9 23.9#

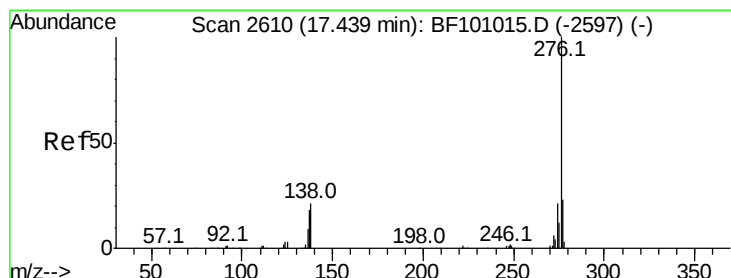
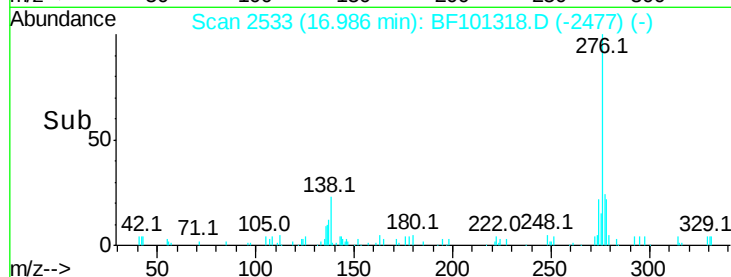
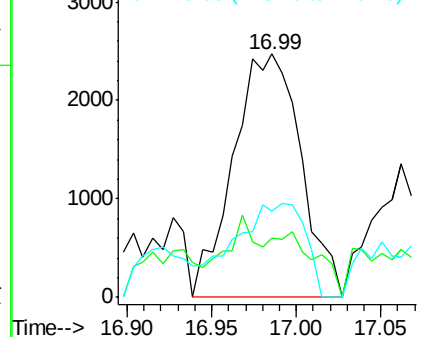
279 35.2 19.0 28.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 7.679 ng

RT: 17.44 min Scan# 2610

Delta R.T. 0.05 min

Lab File: BF101318.D

Acq: 12 Dec 2017 6:56

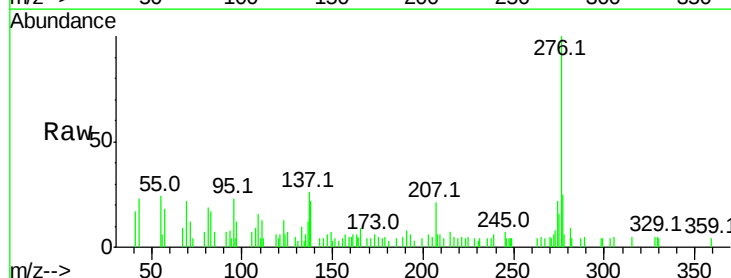
Tgt Ion:276 Resp: 22864

Ion Ratio Lower Upper

276 100

277 25.0 17.9 26.9

138 21.9 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

