

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF120817\
 Data File : BF101263.D
 Acq On : 9 Dec 2017 5:14
 Operator : SJ/JU
 Sample : I6791-03
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 10 23:40:13 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	41523	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	151297	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	63768	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	111530	20.00	ng	0.00
75) Chrysene-d12	14.01	240	84924	20.00	ng	0.00
86) Perylene-d12	15.48	264	68626	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	135964	54.11	ng	0.00
7) Phenol-d6	6.46	99	327379	107.31	ng	0.00
23) Nitrobenzene-d5	7.39	82	189547	74.73	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	18839	24.59	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	410896	88.16	ng	0.00
78) Terphenyl-d14	12.94	244	346968	89.36	ng	0.00

Target Compounds

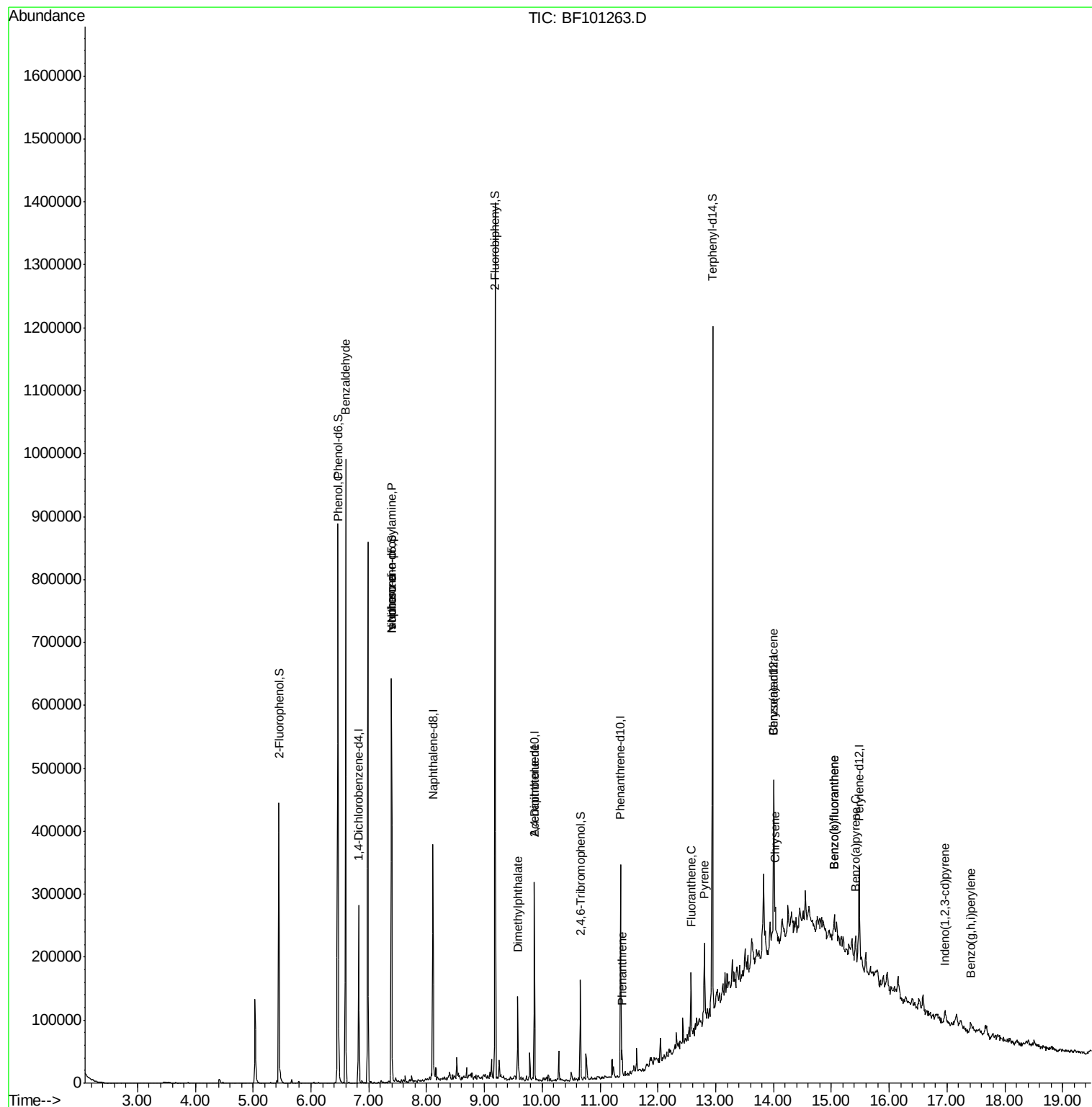
						Qvalue
9) Benzaldehyde	6.60	77	4911	2.630	ng	84
10) Phenol	6.47	94	13041	3.844	ng	82
19) n-Nitroso-di-n-propylamine	7.39	70	25105	12.219	ng	# 79
25) Isophorone	7.39	82	189544	43.752	ng	# 64
49) Dimethylphthalate	9.57	163	40157	7.808	ng	# 99
56) 2,4-Dinitrotoluene	9.86	165	8690	5.986	ng	# 21
70) Phenanthrene	11.38	178	13086	2.131	ng	97
74) Fluoranthene	12.57	202	32027	4.704	ng	94
77) Pyrene	12.80	202	32715	5.583	ng	97
80) Benzo(a)anthracene	14.00	228	17941	3.346	ng	97
82) Chrysene	14.03	228	16498	3.313	ng	93
85) Indeno(1,2,3-cd)pyrene	16.96	276	10632	2.402	ng	# 91
87) Benzo(b)fluoranthene	15.05	252	27781	6.759	ng	# 74
88) Benzo(k)fluoranthene	15.05	252	27781	6.860	ng	# 77
89) Benzo(a)pyrene	15.42	252	15342	4.105	ng	# 81
91) Benzo(g,h,i)perylene	17.41	276	11929	3.842	ng	# 90

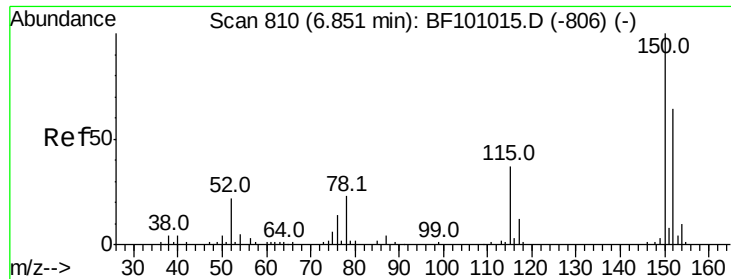
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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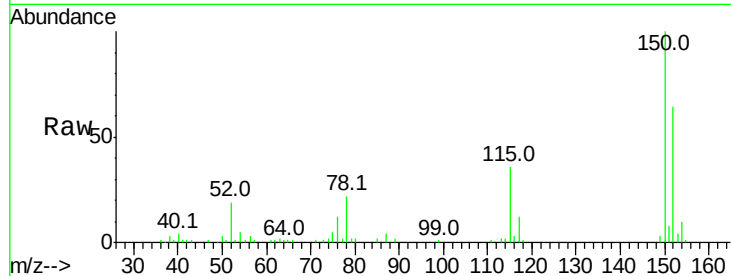


#1

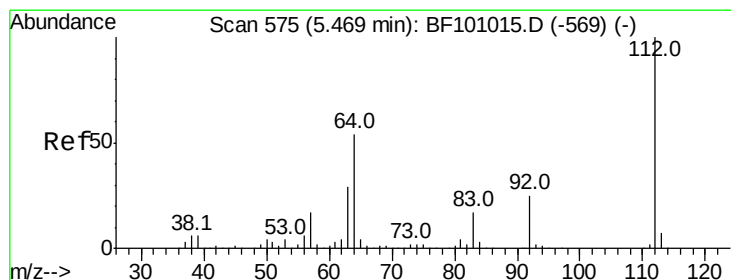
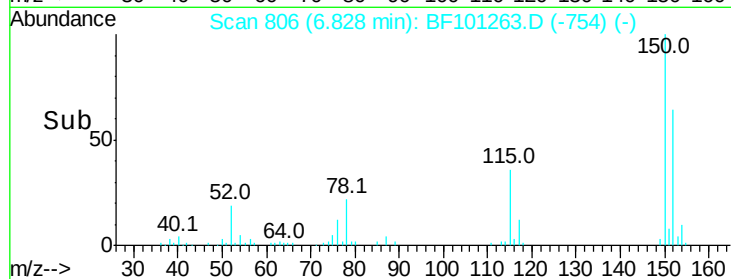
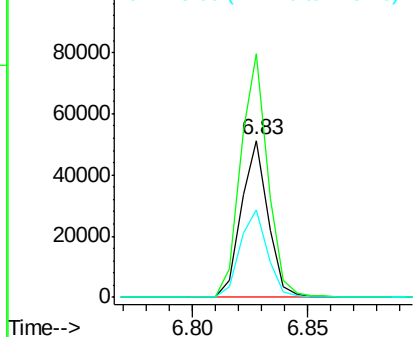
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF101263.D
Acq: 9 Dec 2017 5:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 41523
Ion Ratio Lower Upper
152 100
150 155.3 124.6 186.8
115 55.8 50.1 75.1



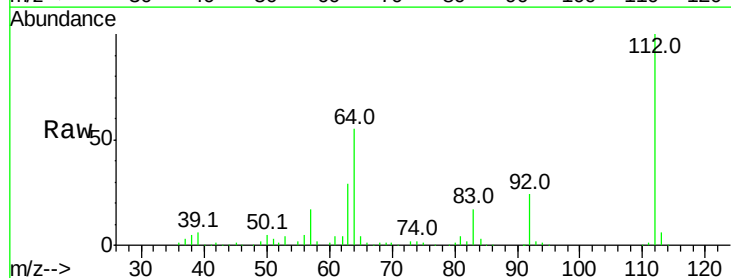
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



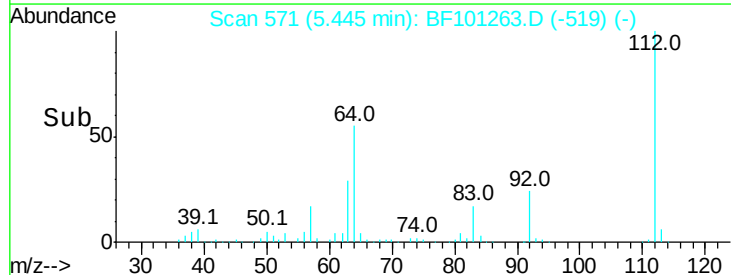
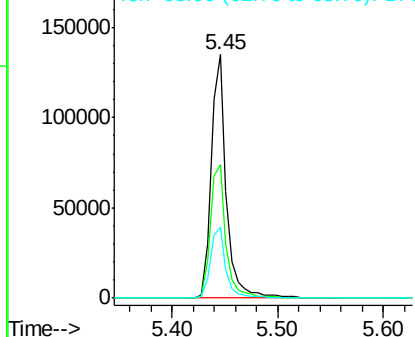
#5

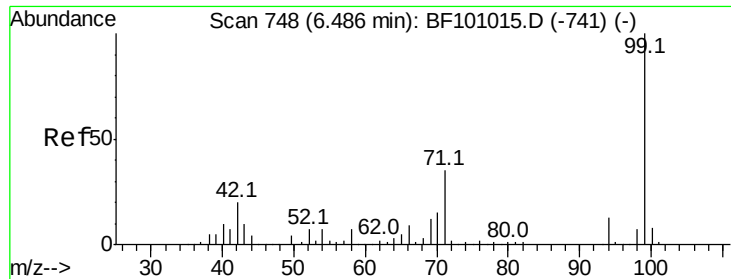
2-Fluorophenol
Concen: 54.108 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF101263.D
Acq: 9 Dec 2017 5:14

Tgt Ion:112 Resp: 135964
Ion Ratio Lower Upper
112 100
64 54.7 47.9 71.9
63 29.0 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: 107.309 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF101263.D

Acq: 9 Dec 2017 5:14

Instrument :

BNA_F

ClientSampleId :

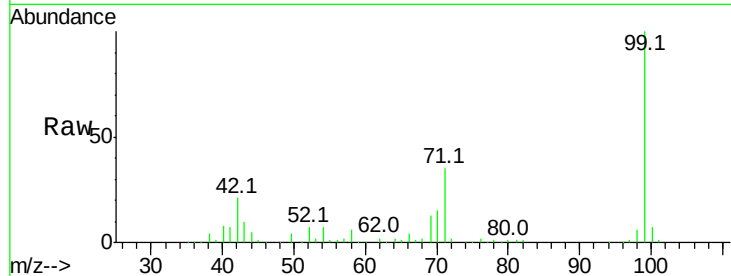
Tot Ion: 99 Resp: 327379

Ion Ratio Lower Upper

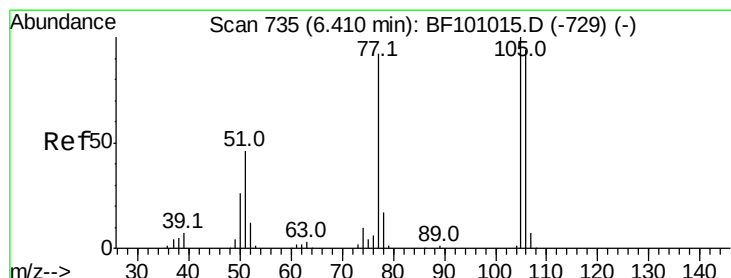
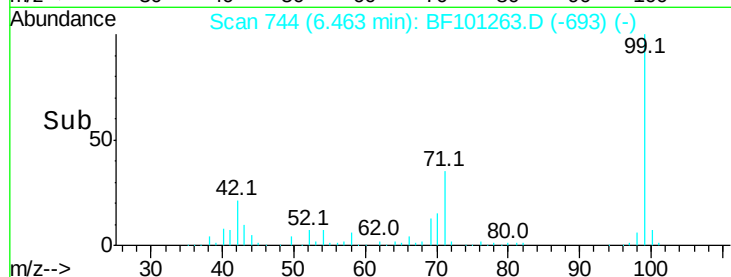
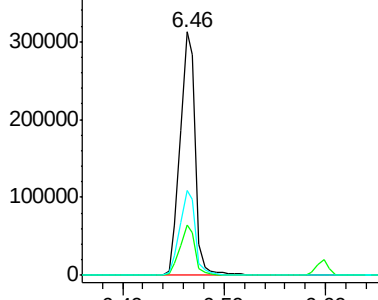
99 100

42 20.6 14.5 21.7

71 35.0 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: 2.630 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.22 min

Lab File: BF101263.D

Acq: 9 Dec 2017 5:14

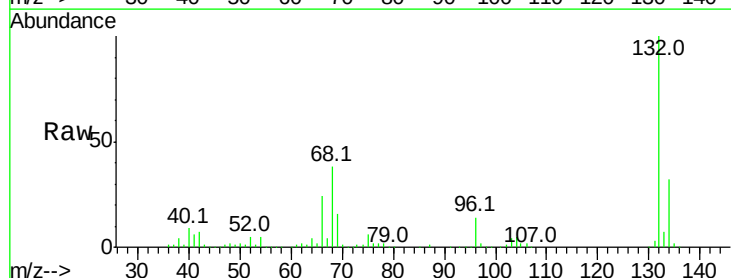
Tgt Ion: 77 Resp: 4911

Ion Ratio Lower Upper

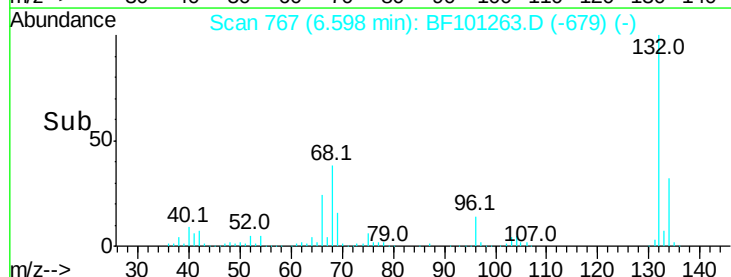
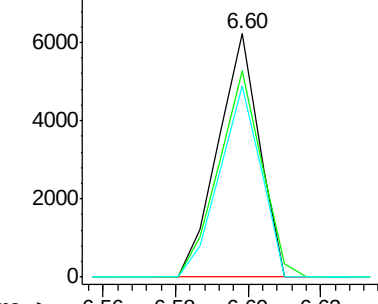
77 100

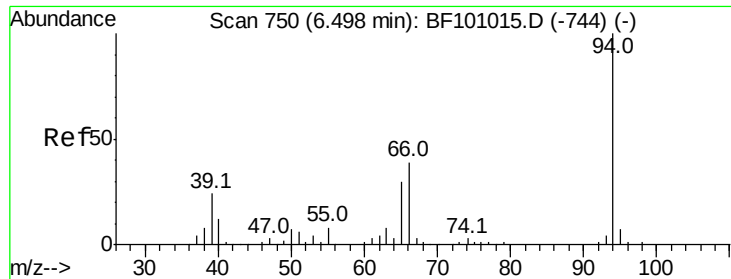
105 84.8 81.1 121.1

106 78.6 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

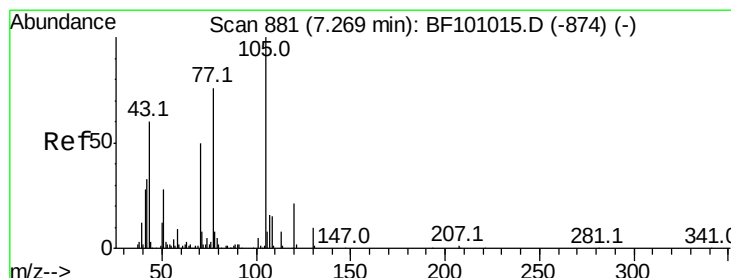
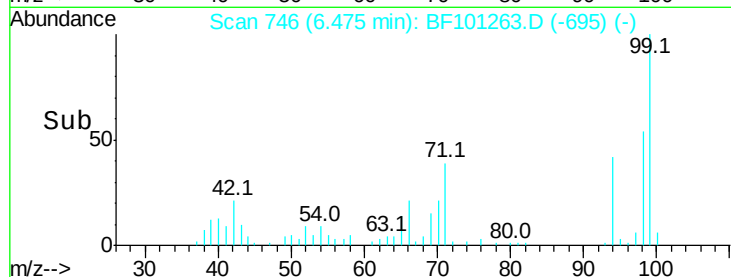
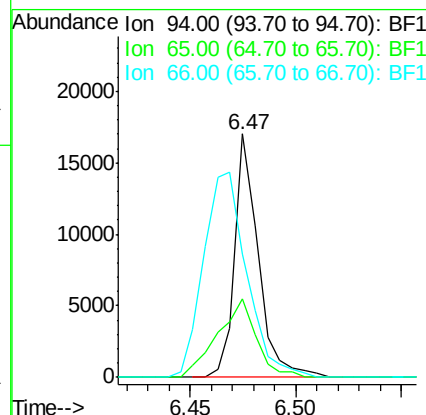
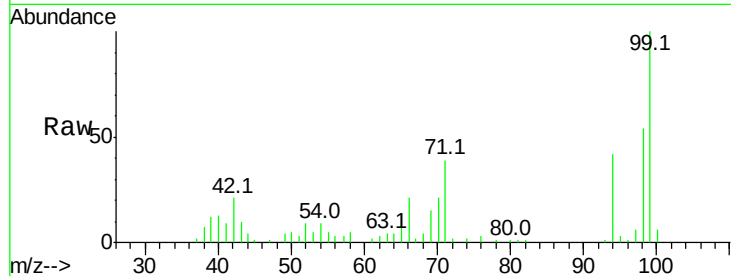




#10
Phenol
Concen: 3.844 ng
RT: 6.47 min Scan# 746
Delta R.T. 0.00 min
Lab File: BF101263.D
Acq: 9 Dec 2017 5:14

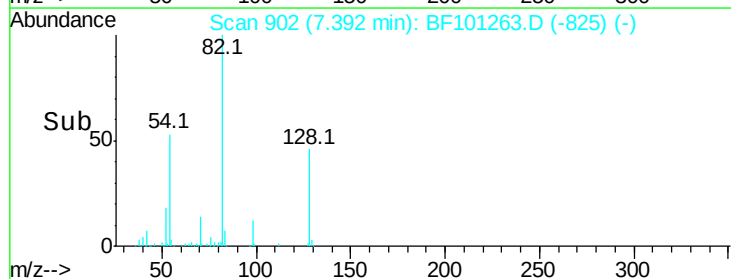
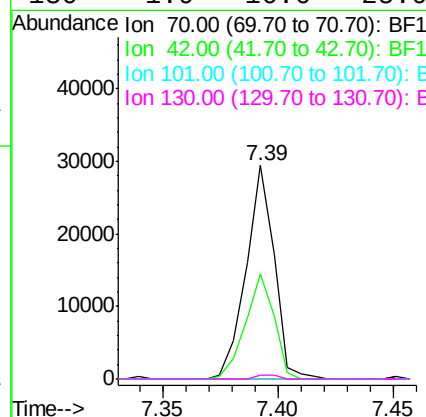
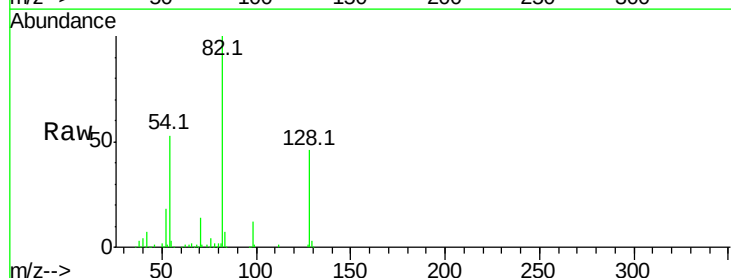
Instrument :
BNA_F
ClientSampleId :

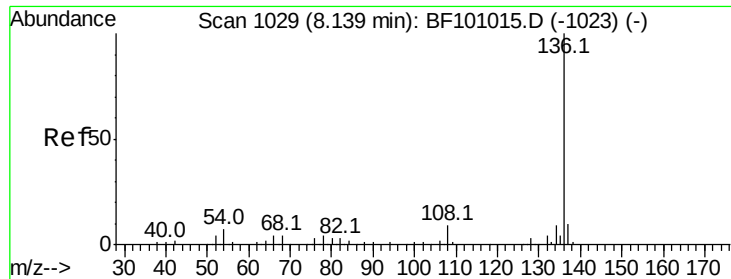
Tot Ion: 94 Resp: 13041
Ion Ratio Lower Upper
94 100
65 32.4 7.9 47.9
66 50.9 16.2 56.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.219 ng
RT: 7.39 min Scan# 902
Delta R.T. 0.15 min
Lab File: BF101263.D
Acq: 9 Dec 2017 5:14

Tgt Ion: 70 Resp: 25105
Ion Ratio Lower Upper
70 100
42 49.1 47.5 71.3
101 0.0 7.4 11.2#
130 1.9 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.11 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BF101263.D

Acq: 9 Dec 2017 5:14

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 151297

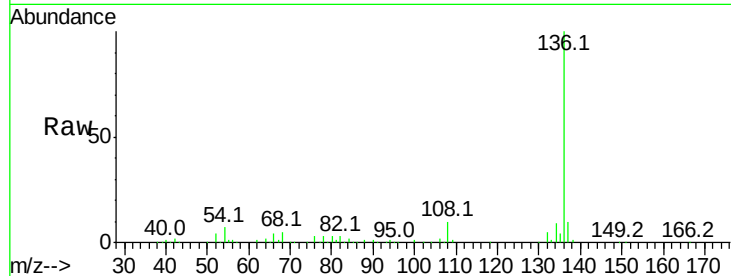
Ion Ratio Lower Upper

136 100

137 10.4 8.9 13.3

54 7.1 6.6 9.8

68 4.9 5.0 7.4#

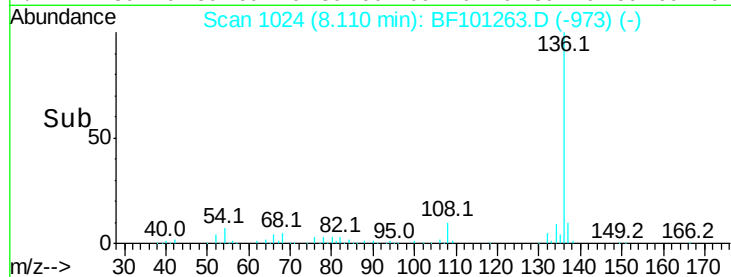


Abundance Ion 136.00 (135.70 to 136.70): E

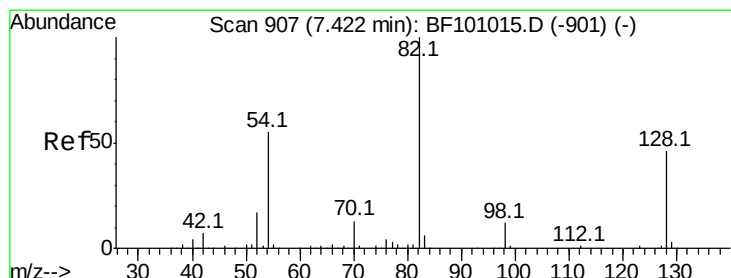
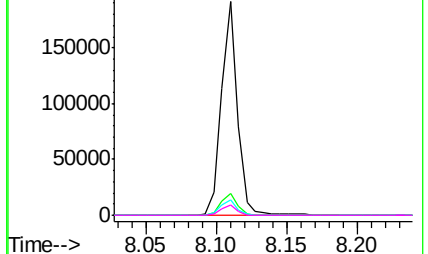
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 74.734 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.01 min

Lab File: BF101263.D

Acq: 9 Dec 2017 5:14

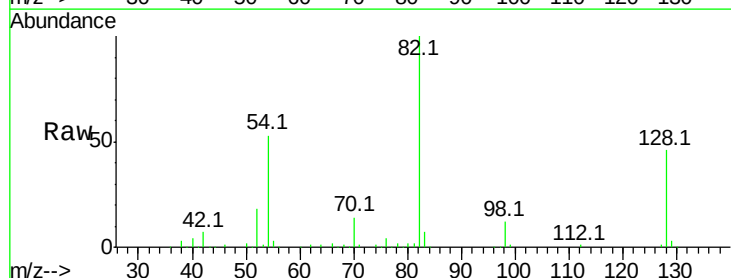
Tgt Ion: 82 Resp: 189547

Ion Ratio Lower Upper

82 100

128 45.9 36.1 54.1

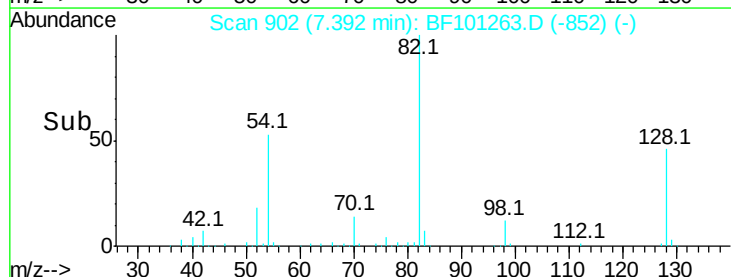
54 53.5 41.4 62.2



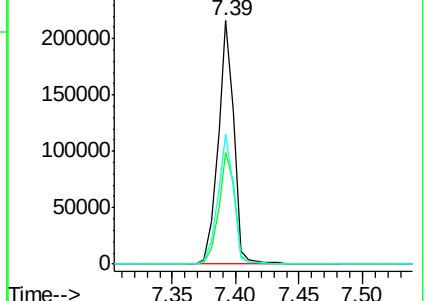
Abundance Ion 82.00 (81.70 to 82.70): BF1

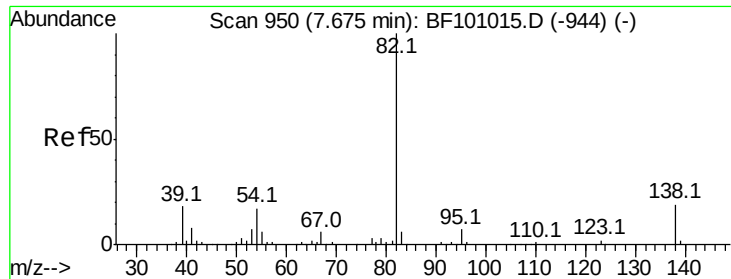
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->

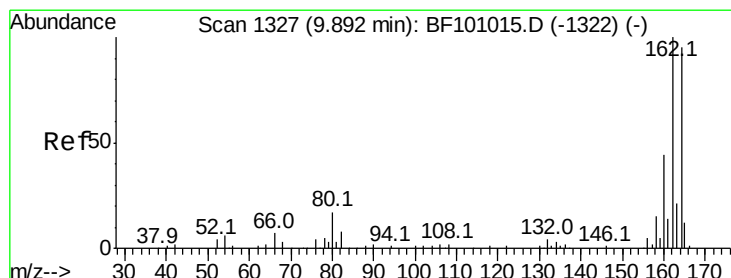
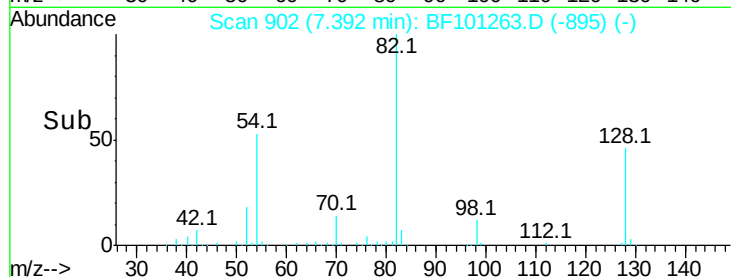
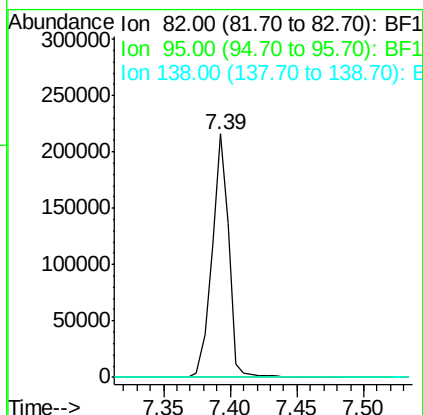
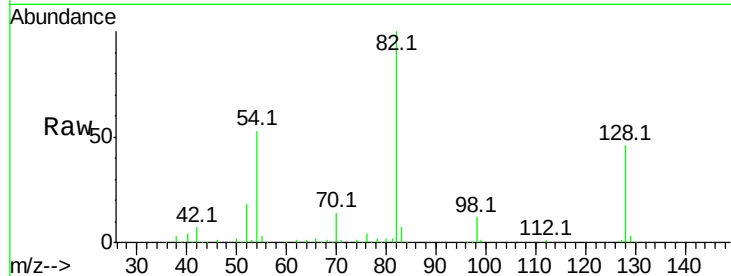




#25
Isophorone
Concen: 43.752 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.26 min
Lab File: BF101263.D
Acq: 9 Dec 2017 5:14

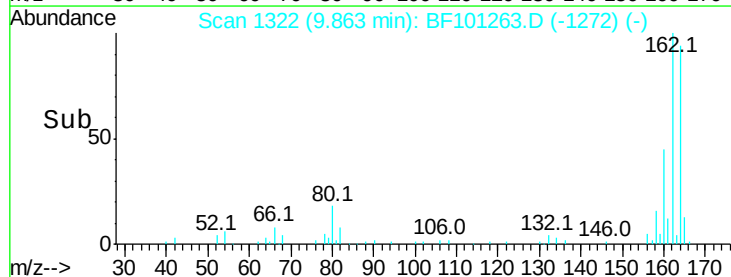
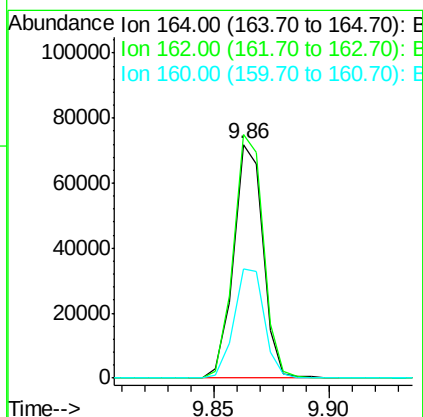
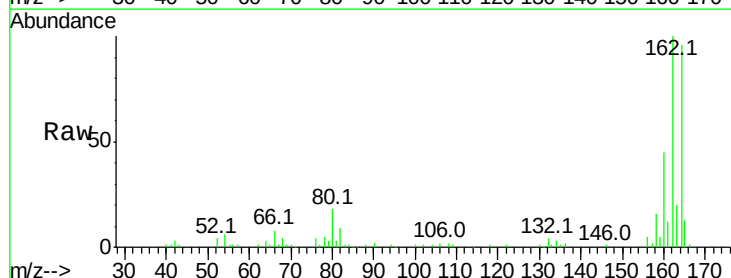
Instrument :
BNA_F
ClientSampled :

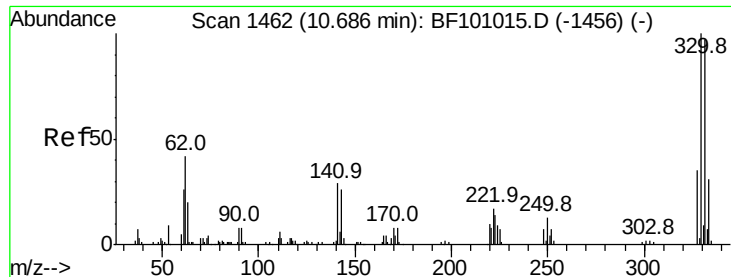
Tot Ion: 82 Resp: 189544
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF101263.D
Acq: 9 Dec 2017 5:14

Tgt Ion:164 Resp: 63768
Ion Ratio Lower Upper
164 100
162 104.2 86.1 129.1
160 46.9 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 24.593 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.01 min

Lab File: BF101263.D

Acq: 9 Dec 2017 5:14

Instrument :

BNA_F

ClientSampleId :

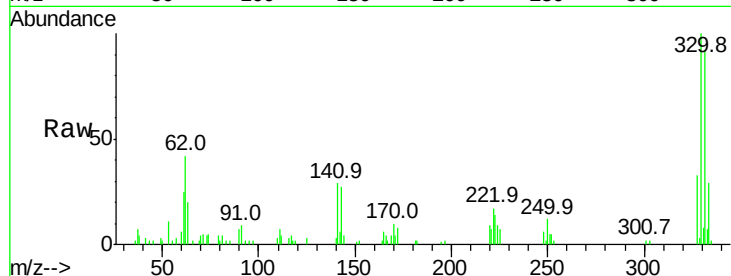
Tot Ion:330 Resp: 18839

Ion Ratio Lower Upper

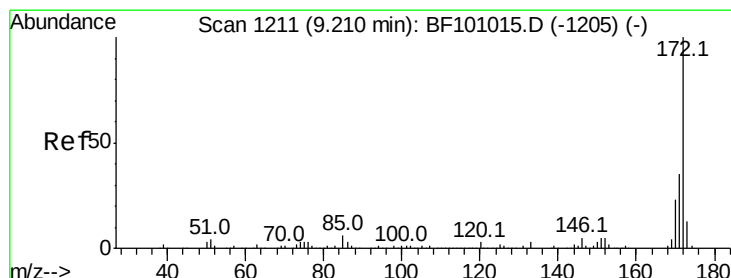
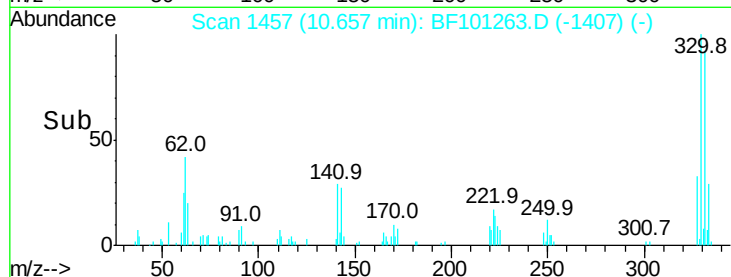
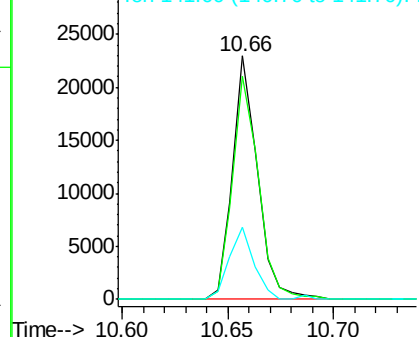
330 100

332 95.0 77.0 115.6

141 28.9 29.9 44.9#



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



#44

2-Fluorobiphenyl

Concen: 88.161 ng

RT: 9.19 min Scan# 1207

Delta R.T. 0.00 min

Lab File: BF101263.D

Acq: 9 Dec 2017 5:14

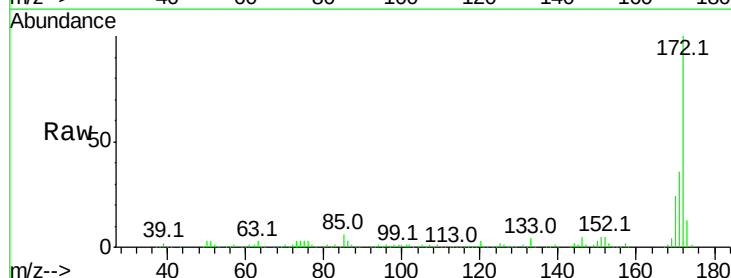
Tgt Ion:172 Resp: 410896

Ion Ratio Lower Upper

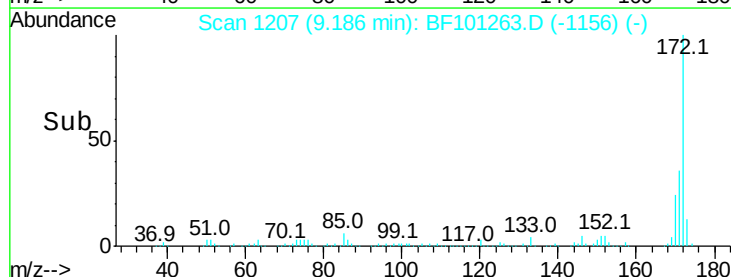
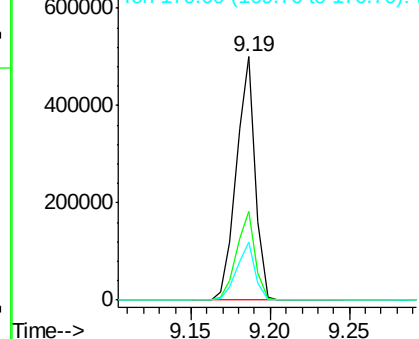
172 100

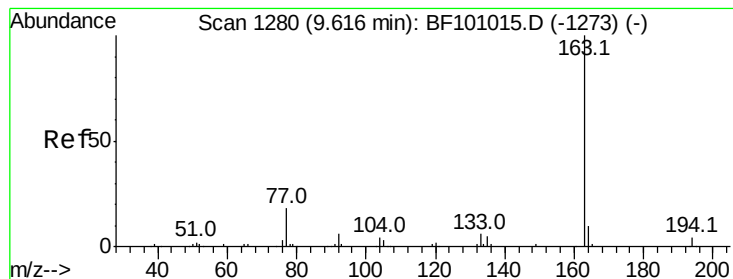
171 36.2 29.7 44.5

170 23.8 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: 7.808 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BF101263.D

Acq: 9 Dec 2017 5:14

Instrument :

BNA_F

ClientSampleId :

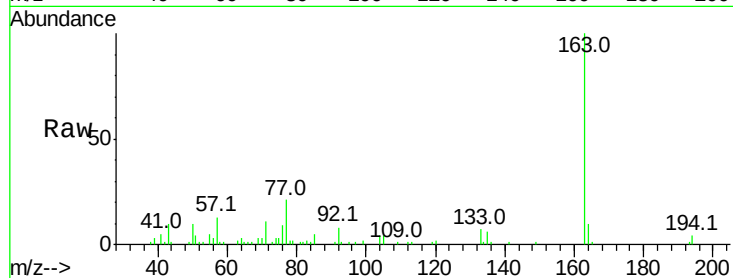
Tot Ion:163 Resp: 40157

Ion Ratio Lower Upper

163 100

194 4.1 2.7 4.1#

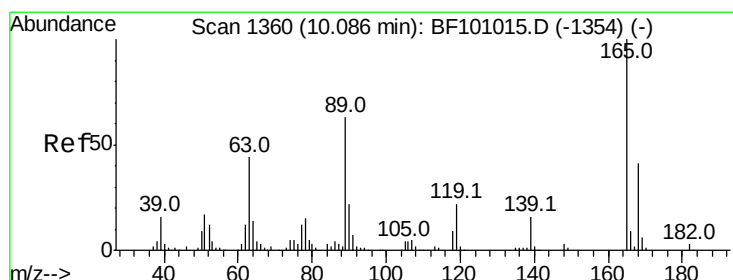
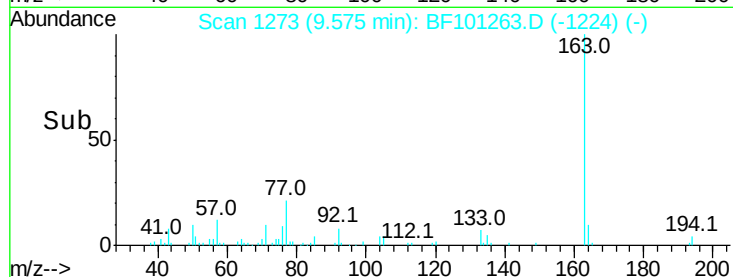
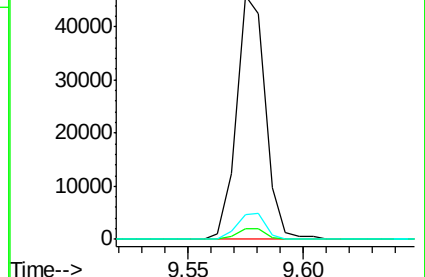
164 10.4 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 5.986 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.20 min

Lab File: BF101263.D

Acq: 9 Dec 2017 5:14

Tgt Ion:165 Resp: 8690

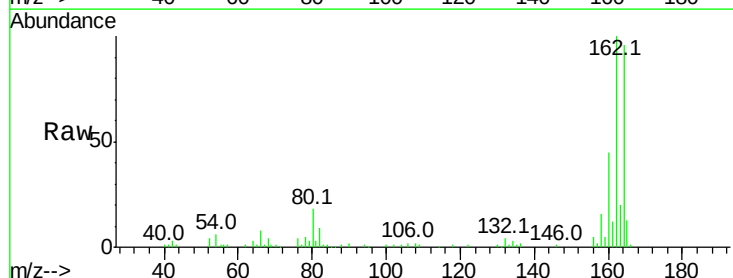
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

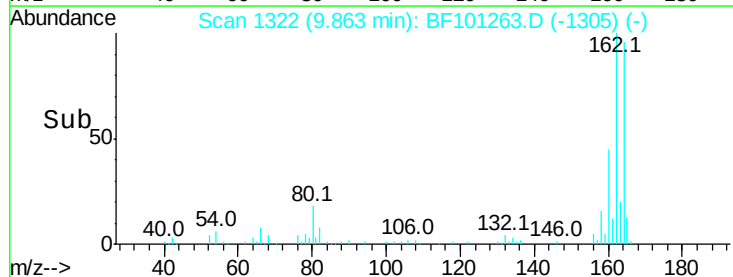
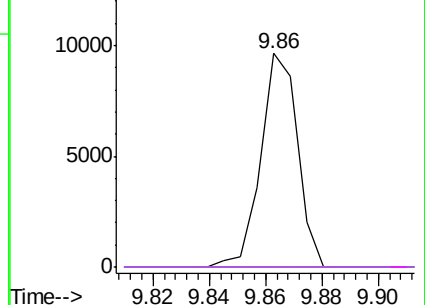


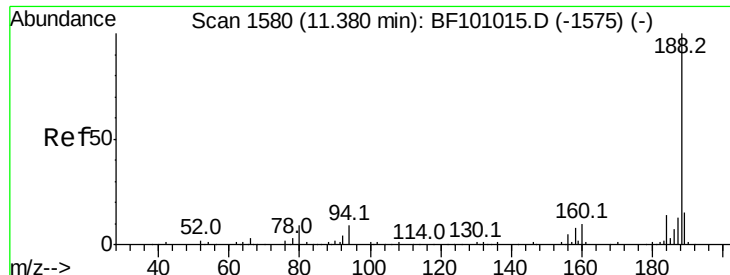
Abundance Ion 165.00 (164.70 to 165.70): E

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

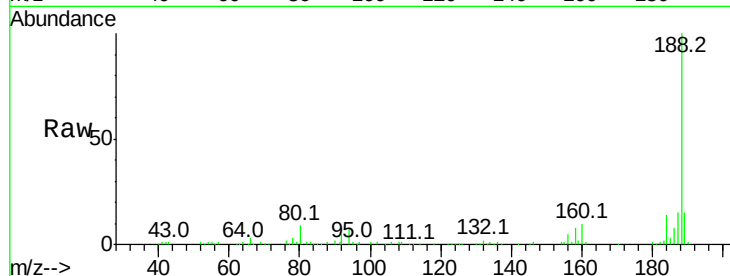




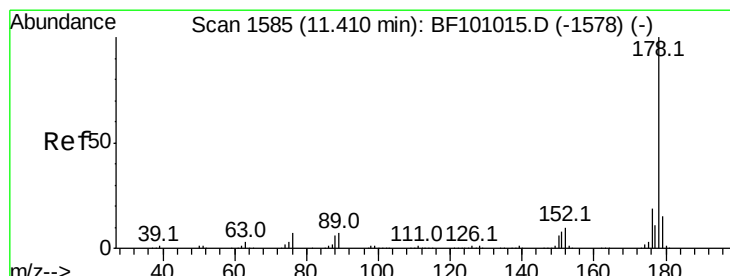
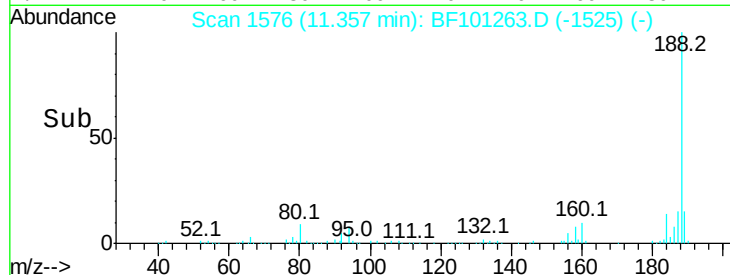
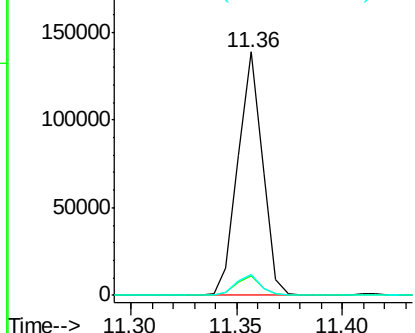
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. 0.00 min
Lab File: BF101263.D
Acq: 9 Dec 2017 5:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 111530
Ion Ratio Lower Upper
188 100
94 8.1 8.5 12.7#
80 8.6 9.2 13.8#

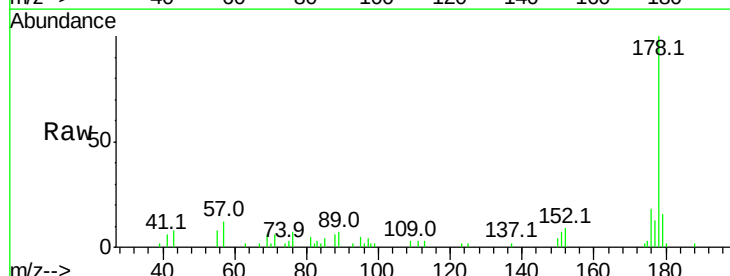


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

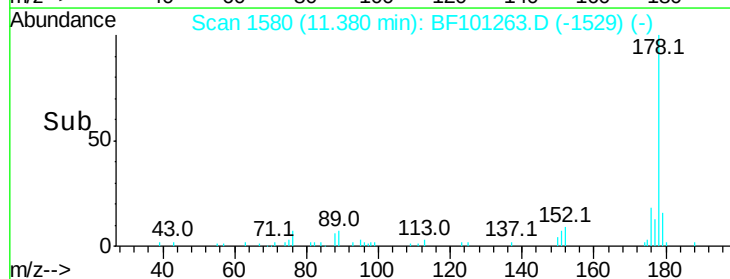
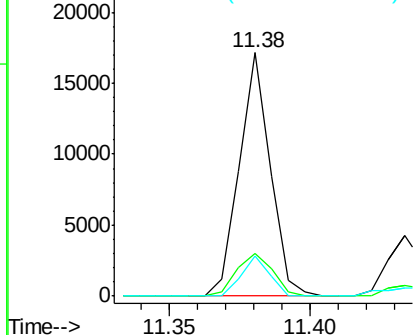


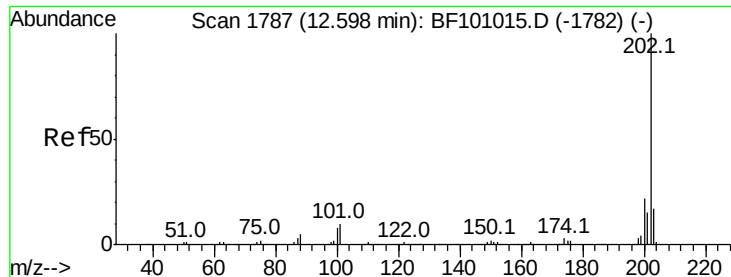
#70
Phenanthrene
Concen: 2.131 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF101263.D
Acq: 9 Dec 2017 5:14

Tgt Ion:178 Resp: 13086
Ion Ratio Lower Upper
178 100
176 17.5 15.8 23.8
179 16.4 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





#74

Fluoranthene

Concen: 4.704 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.01 min

Lab File: BF101263.D

Acq: 9 Dec 2017 5:14

Instrument :

BNA_F

ClientSampleId :

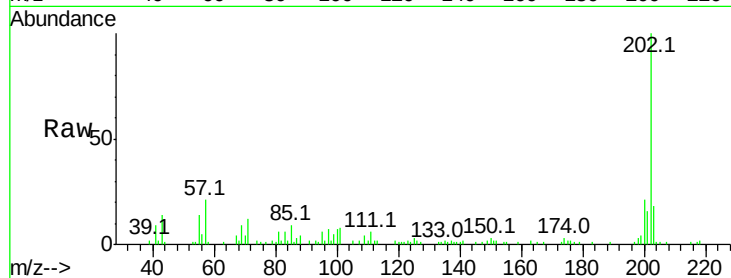
Tot Ion:202 Resp: 32027

Ion Ratio Lower Upper

202 100

101 8.5 0.0 34.1

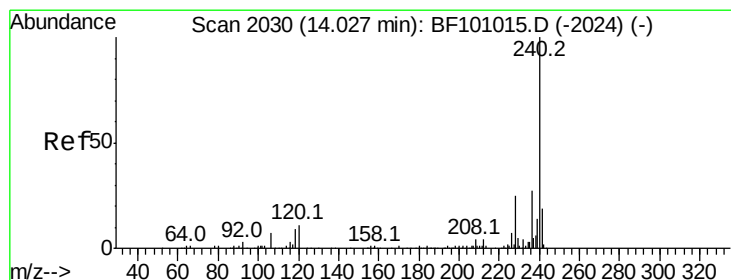
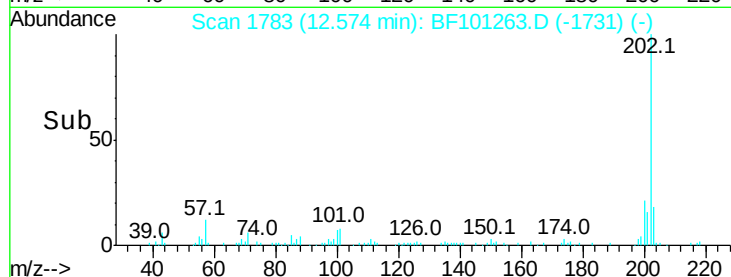
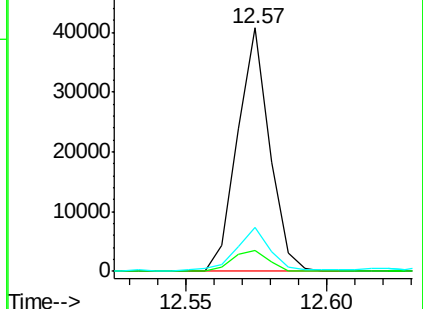
203 18.1 0.0 38.1



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: 14.01 min Scan# 2027

Delta R.T. 0.01 min

Lab File: BF101263.D

Acq: 9 Dec 2017 5:14

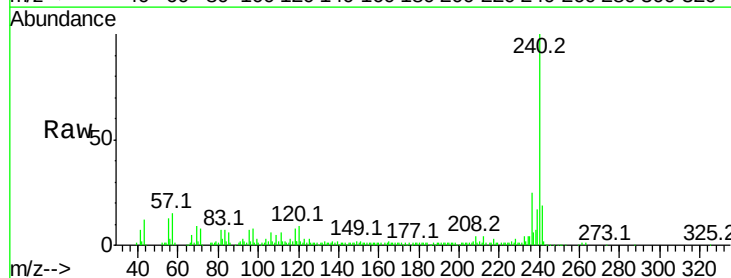
Tgt Ion:240 Resp: 84924

Ion Ratio Lower Upper

240 100

120 8.9 9.5 14.3#

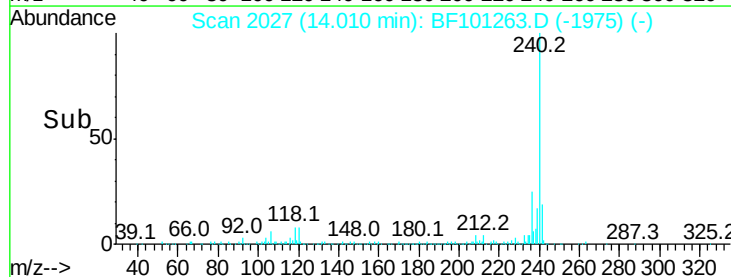
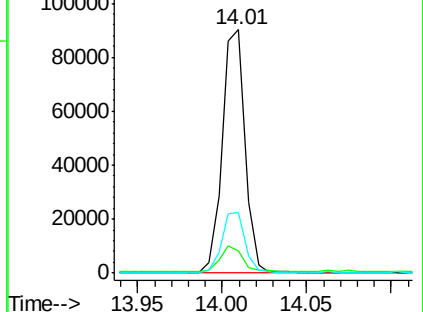
236 24.9 20.7 31.1

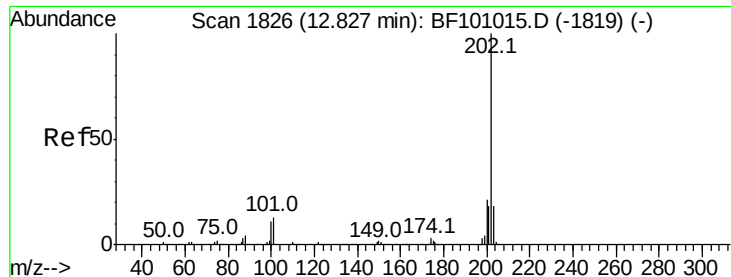


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

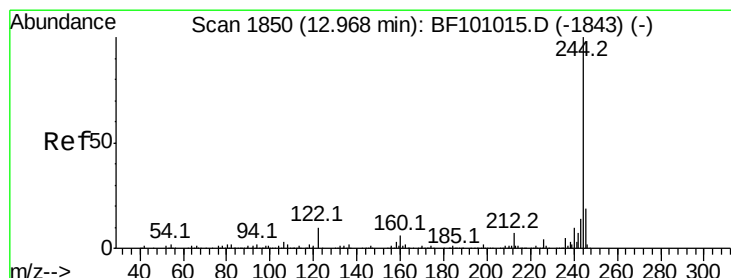
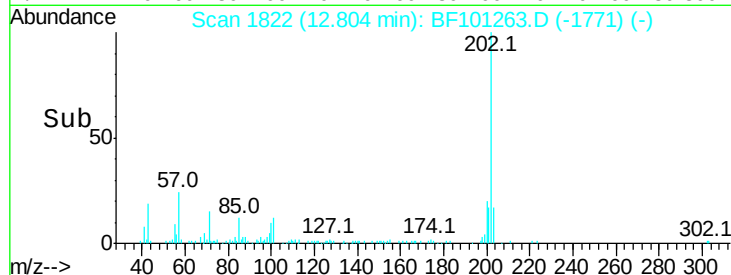
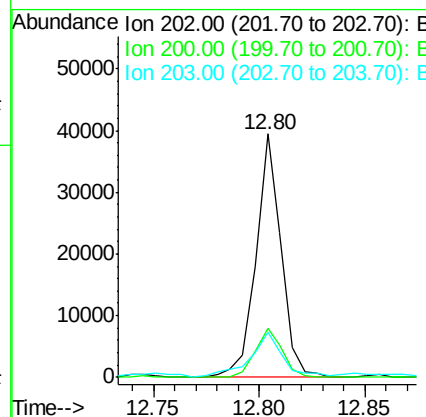
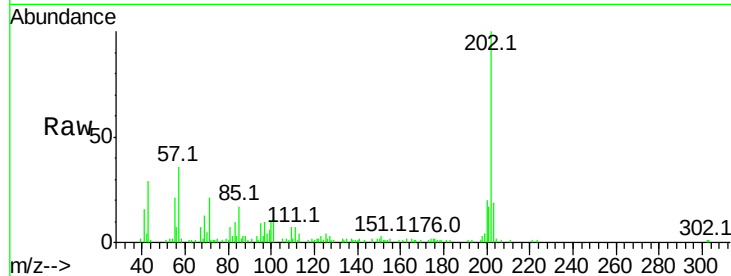




#77
Pvrene
Concen: 5.583 ng
RT: 12.80 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BF101263.D
Acq: 9 Dec 2017 5:14

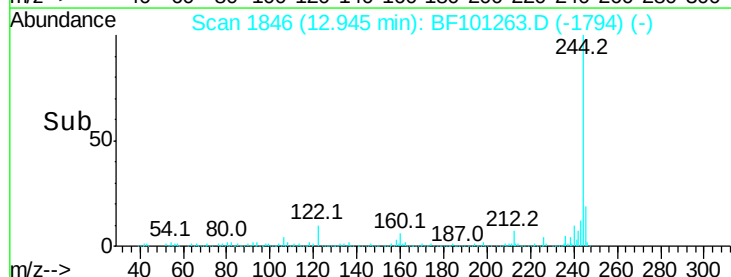
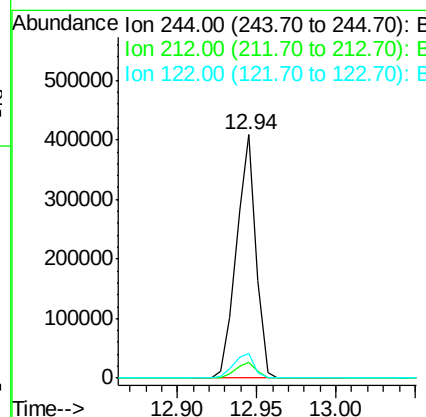
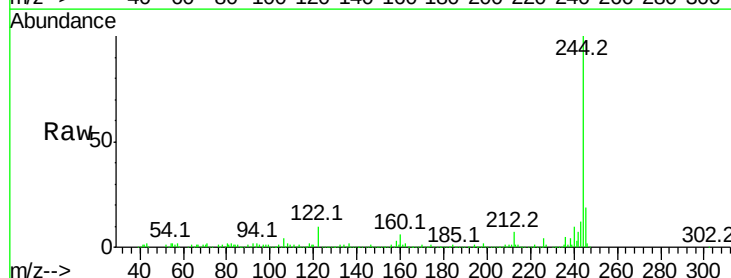
Instrument :
BNA_F
ClientSampleId :

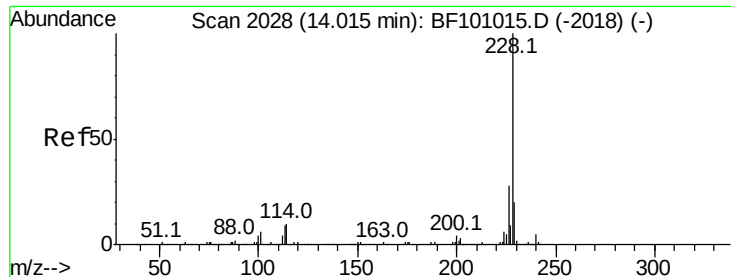
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.9	17.4	26.2
203	18.8	14.3	21.5



#78
Terphenyl-d14
Concen: 89.363 ng
RT: 12.94 min Scan# 1846
Delta R.T. 0.01 min
Lab File: BF101263.D
Acq: 9 Dec 2017 5:14

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	9.9	11.0	16.4

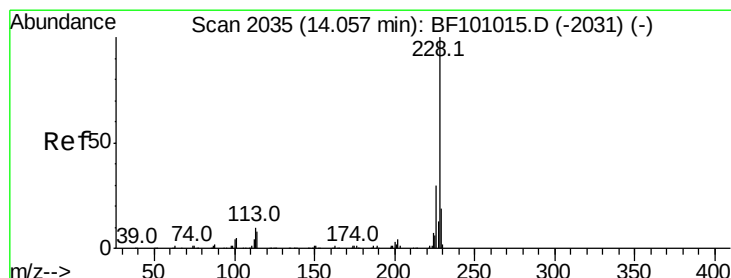
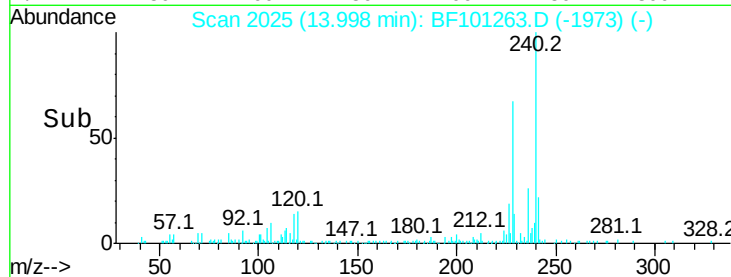
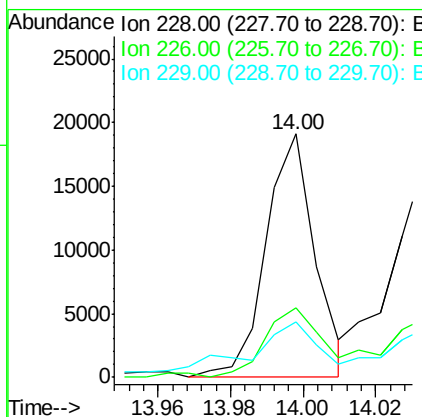
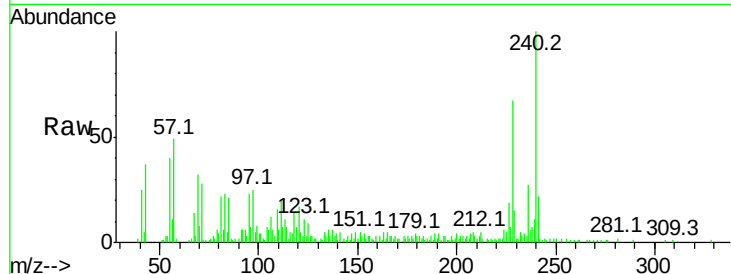




#80
Benzo(a)anthracene
Concen: 3.346 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BF101263.D
Acq: 9 Dec 2017 5:14

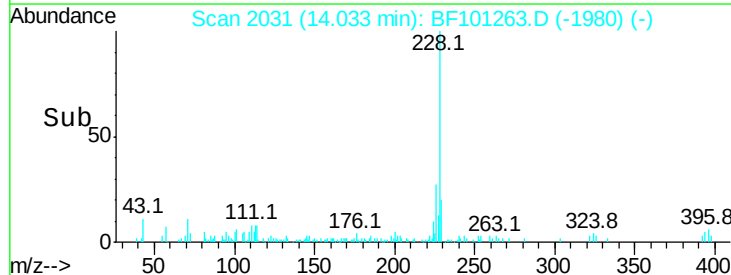
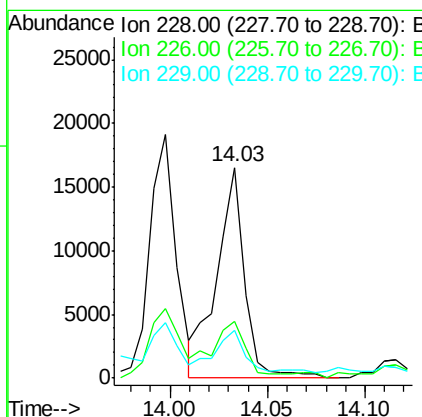
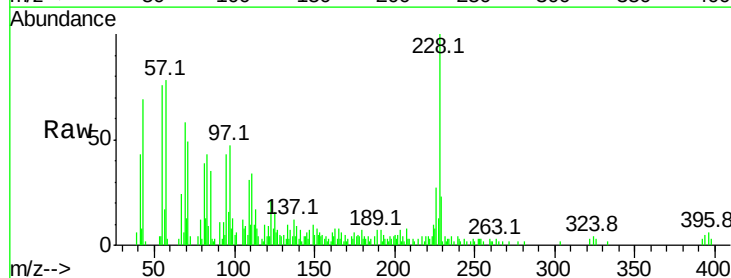
Instrument :
BNA_F
ClientSampleId :

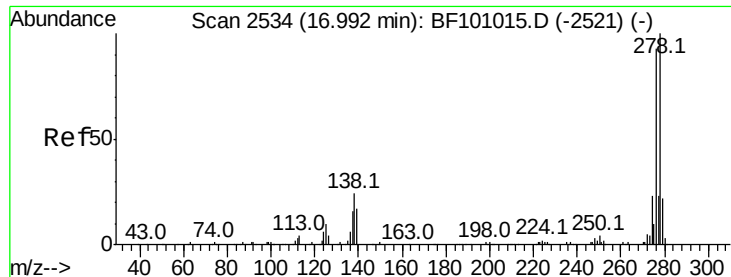
Tot Ion:228 Resp: 17941
Ion Ratio Lower Upper
228 100
226 28.6 22.6 33.8
229 22.7 15.8 23.6



#82
Chrysene
Concen: 3.313 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.00 min
Lab File: BF101263.D
Acq: 9 Dec 2017 5:14

Tgt Ion:228 Resp: 16498
Ion Ratio Lower Upper
228 100
226 26.8 25.0 37.6
229 22.9 16.2 24.4

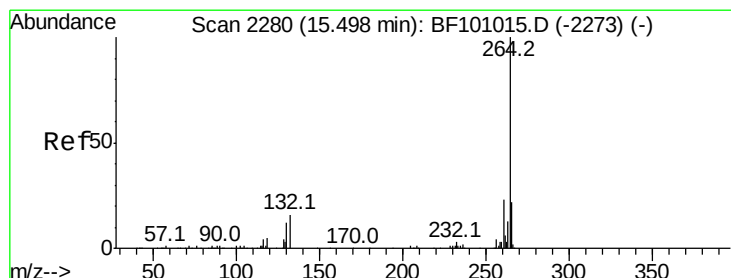
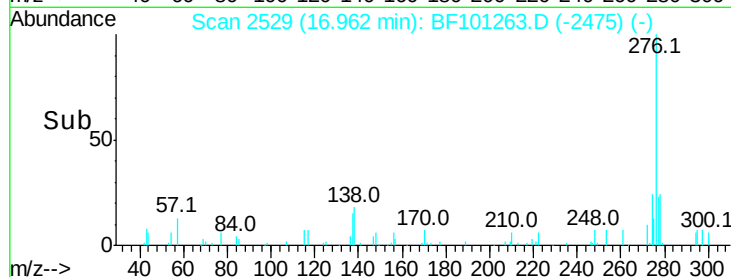
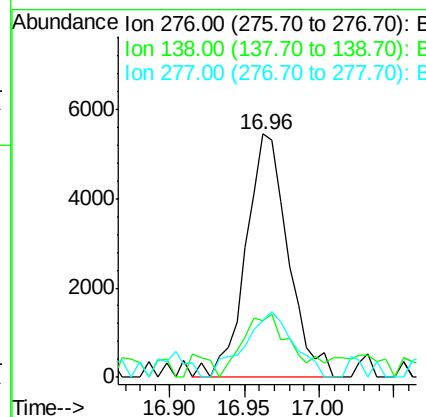
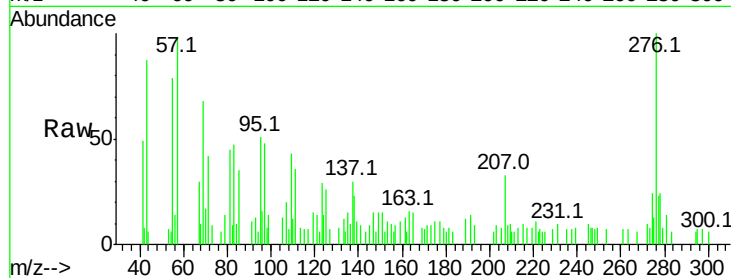




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.402 ng
 RT: 16.96 min Scan# 2529
 Delta R.T. 0.02 min
 Lab File: BF101263.D
 Acq: 9 Dec 2017 5:14

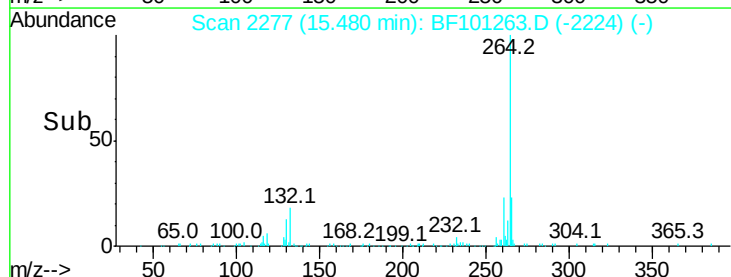
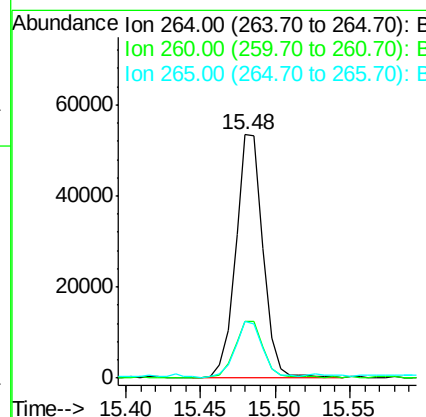
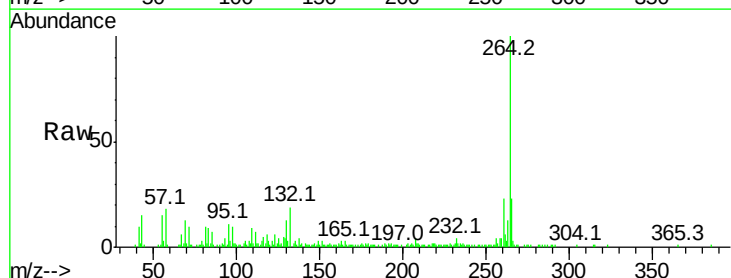
Instrument :
 BNA_F
 ClientSampleId :

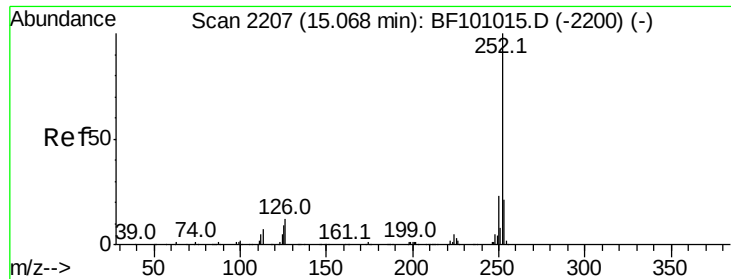
Tot Ion:276 Resp: 10632
 Ion Ratio Lower Upper
 276 100
 138 27.7 25.0 37.6
 277 31.3 20.1 30.1#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.48 min Scan# 2277
 Delta R.T. 0.01 min
 Lab File: BF101263.D
 Acq: 9 Dec 2017 5:14

Tgt Ion:264 Resp: 68626
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.2 28.8
 265 23.2 17.5 26.3

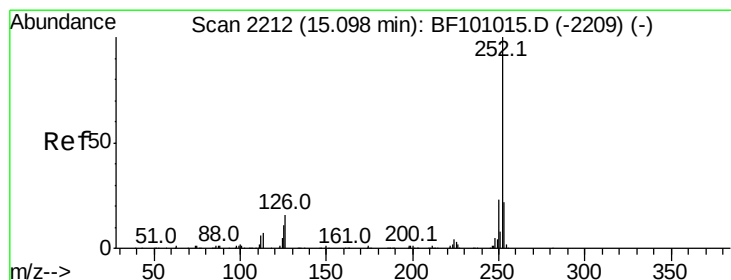
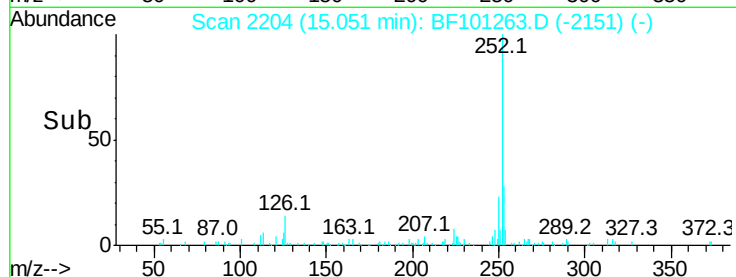
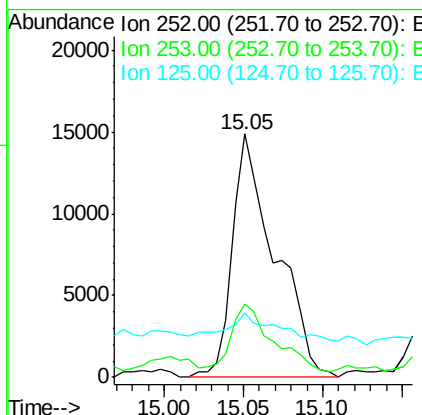
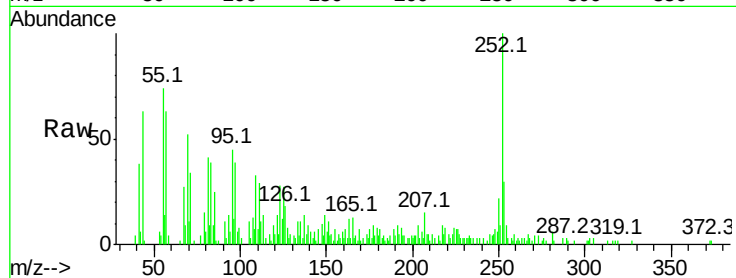




#87
Benzo(b)fluoranthene
Concen: 6.759 ng
RT: 15.05 min Scan# 2204
Delta R.T. 0.01 min
Lab File: BF101263.D
Acq: 9 Dec 2017 5:14

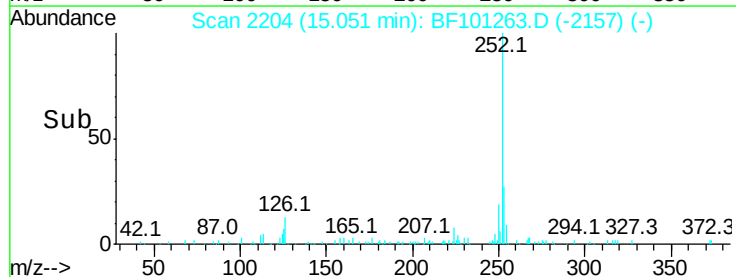
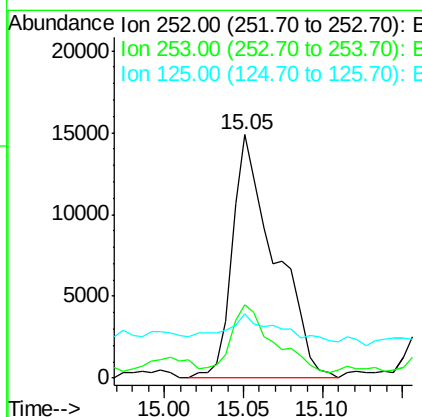
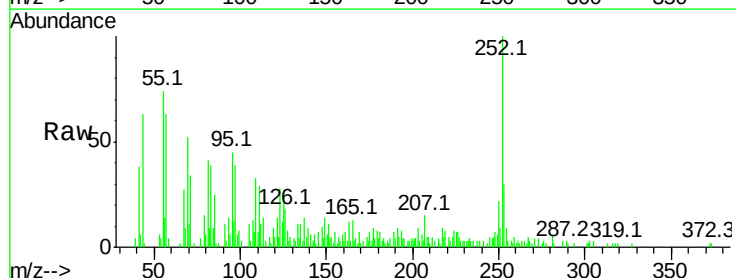
Instrument :
BNA_F
ClientSampleId :

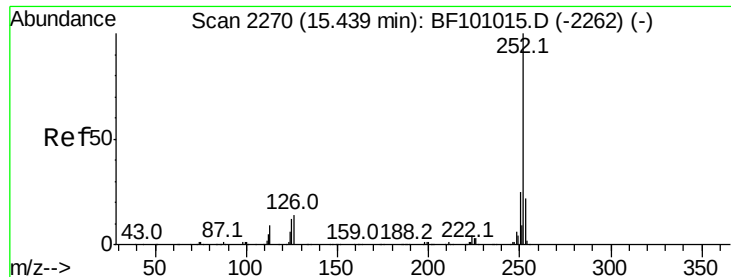
Tot Ion	Ratio	Lower	Upper
252	100		
253	30.0	17.0	25.6#
125	26.6	9.0	13.6#



#88
Benzo(k)fluoranthene
Concen: 6.860 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.02 min
Lab File: BF101263.D
Acq: 9 Dec 2017 5:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.0	17.9	26.9#
125	26.6	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 4.105 ng

RT: 15.42 min Scan# 2267

Delta R.T. 0.01 min

Lab File: BF101263.D

Acq: 9 Dec 2017 5:14

Instrument :

BNA_F

ClientSampleId :

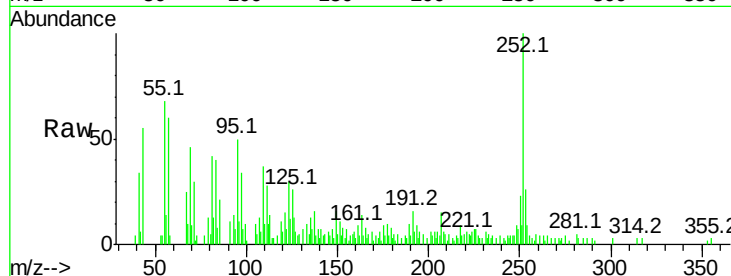
Tot Ion:252 Resp: 15342

Ion Ratio Lower Upper

252 100

253 26.1 17.1 25.7#

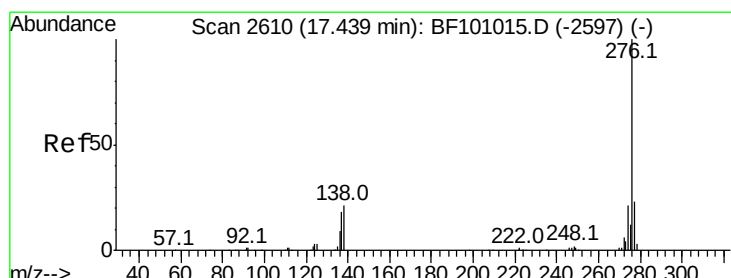
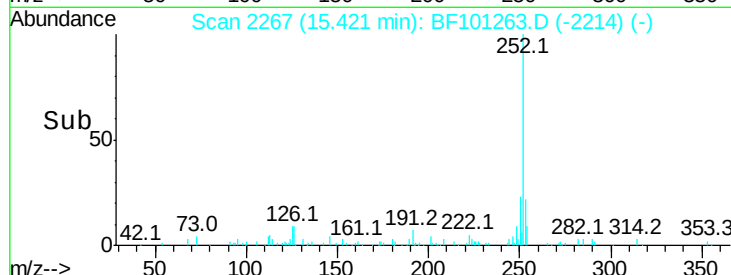
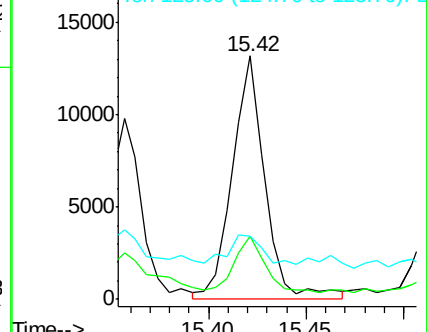
125 25.7 9.8 14.6#



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



#91

Benzo(g,h,i)perylene

Concen: 3.842 ng

RT: 17.41 min Scan# 2605

Delta R.T. 0.02 min

Lab File: BF101263.D

Acq: 9 Dec 2017 5:14

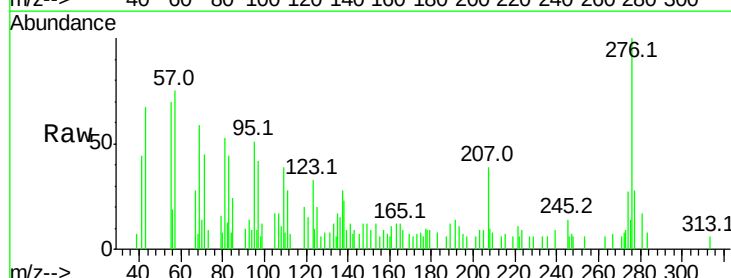
Tgt Ion:276 Resp: 11929

Ion Ratio Lower Upper

276 100

277 28.3 17.9 26.9#

138 22.8 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

