

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF120717\
 Data File : BF101215.D
 Acq On : 7 Dec 2017 19:46
 Operator : SJ/JU
 Sample : I6717-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 07 23:46:42 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:07:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	44761	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	160505	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	64208	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	113702	20.00	ng	0.00
75) Chrysene-d12	14.02	240	92811	20.00	ng	0.00
86) Perylene-d12	15.50	264	76003	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	306317	113.08	ng	0.00
7) Phenol-d6	6.48	99	353215	107.40	ng	0.00
23) Nitrobenzene-d5	7.41	82	199697	74.22	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	71995	93.34	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	406302	86.58	ng	-0.01
78) Terphenyl-d14	12.96	244	335649	79.10	ng	0.00

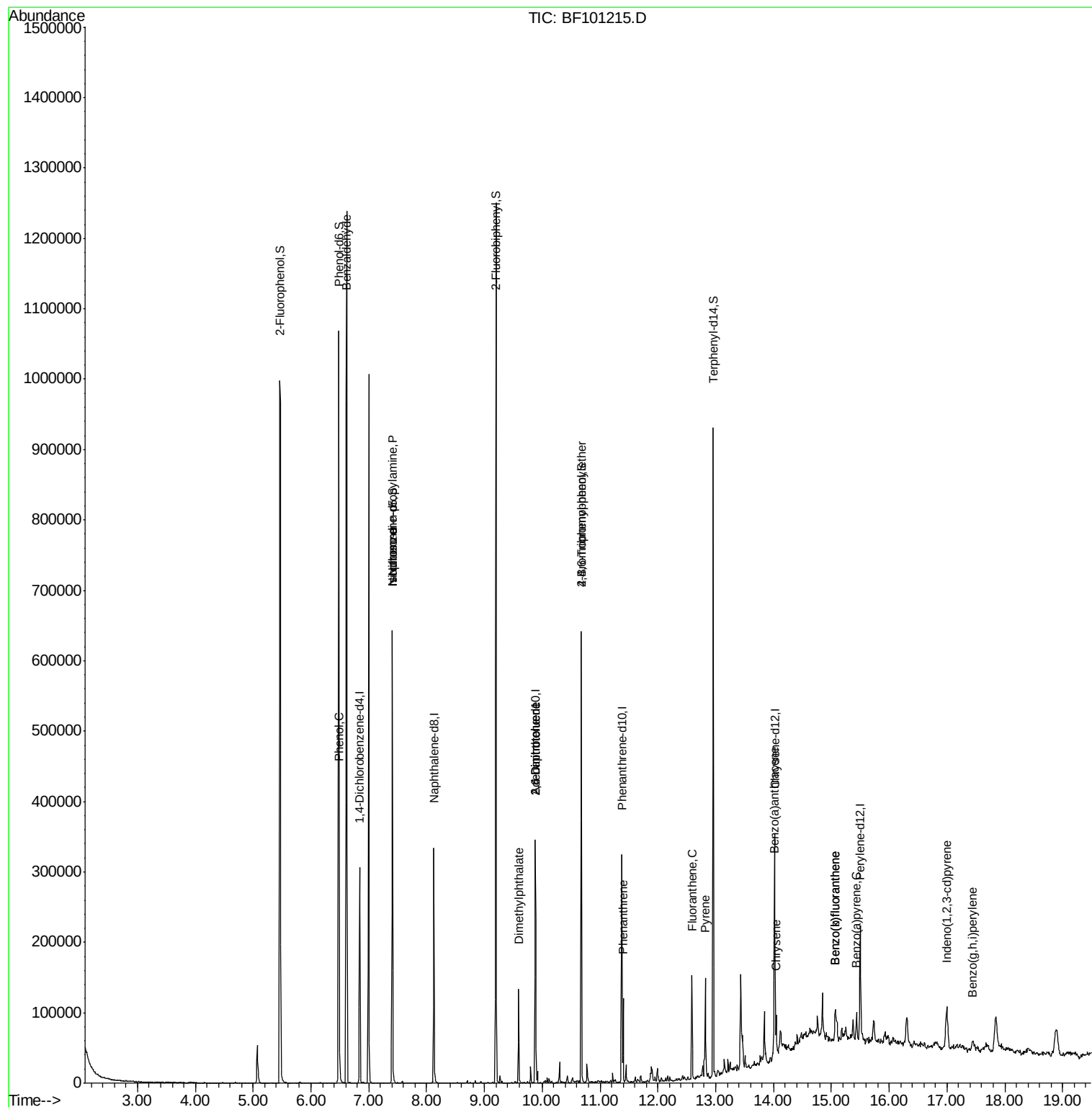
Target Compounds				Qvalue		
9) Benzaldehyde	6.62	77	6567	3.263	ng	89
10) Phenol	6.49	94	8756	2.394	ng	90
19) n-Nitroso-di-n-propylamine	7.41	70	26761	12.083	ng	# 80
25) Isophorone	7.41	82	199694	43.450	ng	# 64
49) Dimethylphthalate	9.59	163	47102	9.096	ng	99
50) 2,6-Dinitrotoluene	9.88	165	8204	7.522	ng	# 24
56) 2,4-Dinitrotoluene	9.88	165	8204	5.613	ng	# 21
66) 4-Bromophenyl-phenylether	10.67	248	4884	3.838	ng	# 1
70) Phenanthrene	11.40	178	43816	6.998	ng	97
74) Fluoranthene	12.59	202	60761	8.754	ng	94
77) Pyrene	12.82	202	56828	8.873	ng	95
80) Benzo(a)anthracene	14.01	228	26968	4.602	ng	99
82) Chrysene	14.04	228	23152	4.254	ng	96
85) Indeno(1,2,3-cd)pyrene	16.99	276	10574	2.185	ng	92
87) Benzo(b)fluoranthene	15.07	252	32242	7.082	ng	93
88) Benzo(k)fluoranthene	15.07	252	32242	7.189	ng	96
89) Benzo(a)pyrene	15.44	252	17491	4.226	ng	95
91) Benzo(g,h,i)perylene	17.44	276	9888	2.876	ng	94

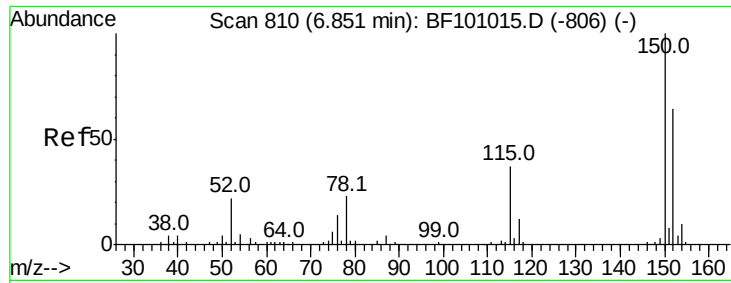
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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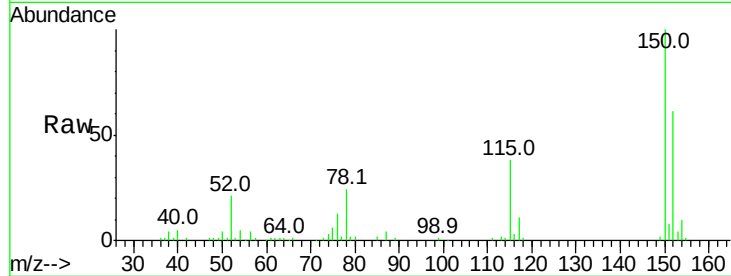


#1

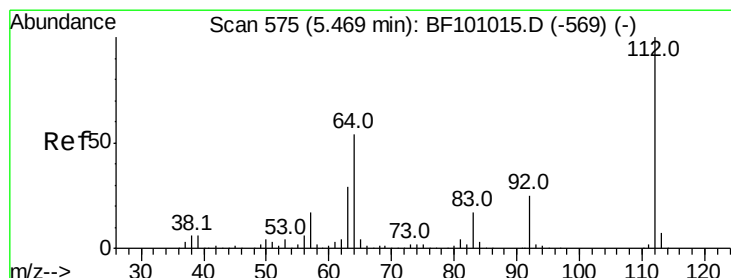
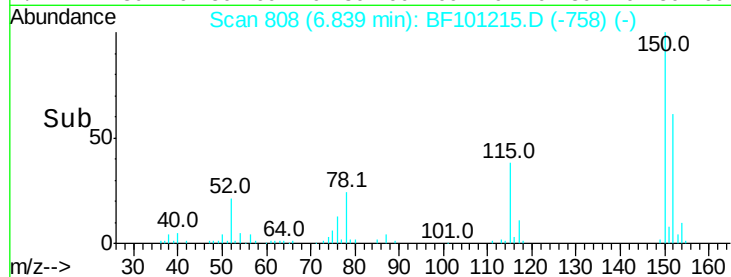
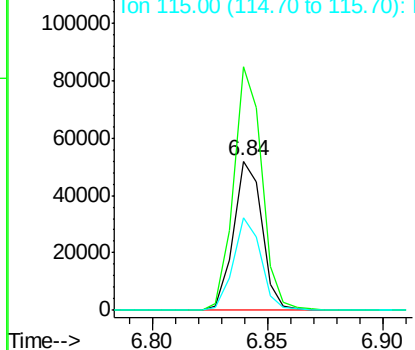
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF101215.D
Acq: 7 Dec 2017 19:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 44761
Ion Ratio Lower Upper
152 100
150 163.5 124.6 186.8
115 62.2 50.1 75.1



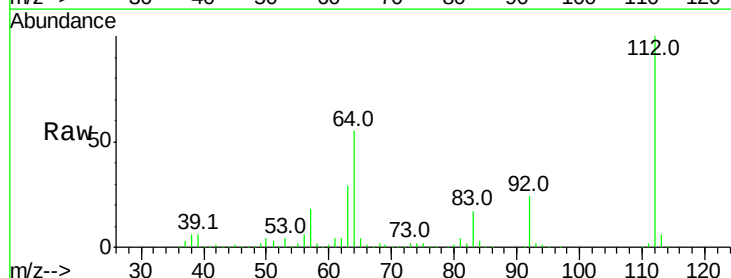
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



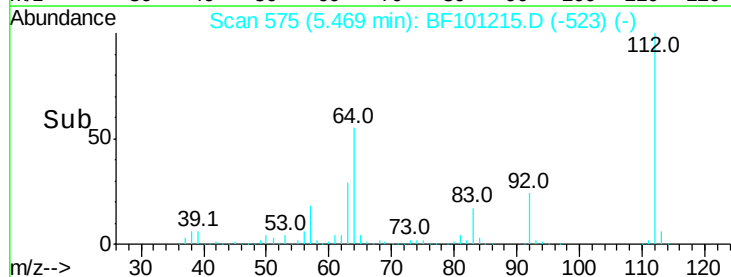
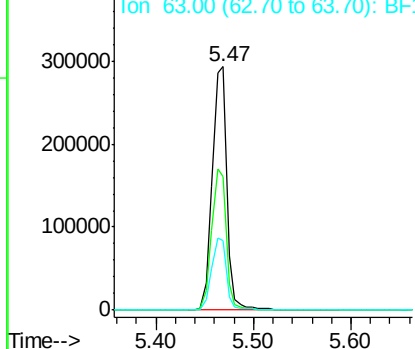
#5

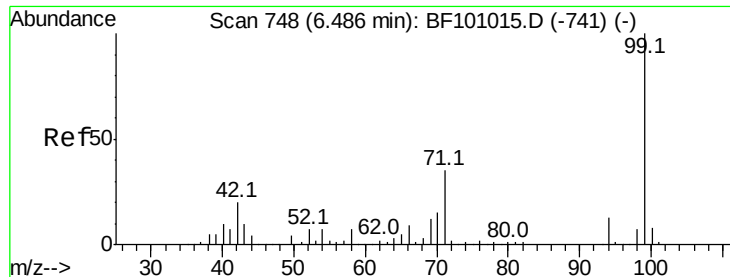
2-Fluorophenol
Concen: 113.083 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF101215.D
Acq: 7 Dec 2017 19:46

Tgt Ion:112 Resp: 306317
Ion Ratio Lower Upper
112 100
64 54.9 47.9 71.9
63 28.5 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: 107.402 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF101215.D

Acq: 7 Dec 2017 19:46

Instrument :

BNA_F

ClientSampled :

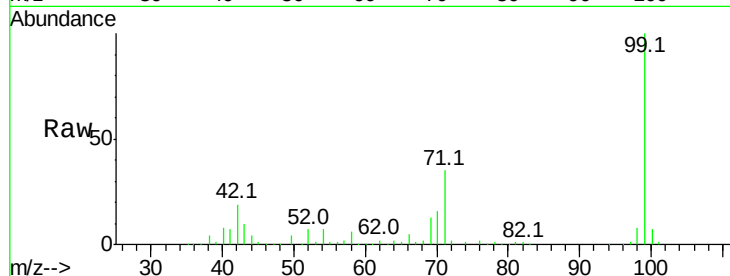
Tot Ion: 99 Resp: 353215

Ion Ratio Lower Upper

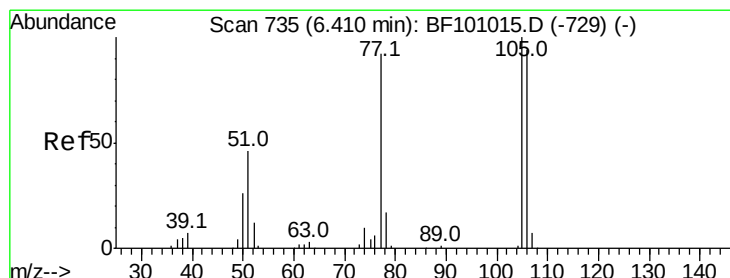
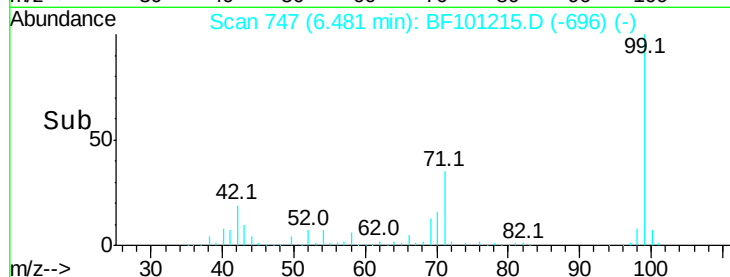
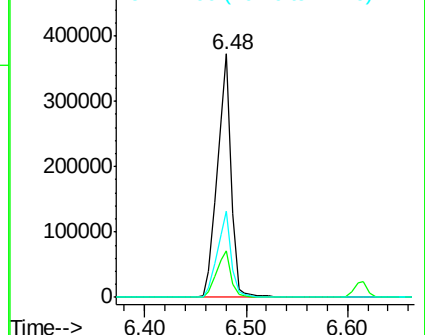
99 100

42 19.1 14.5 21.7

71 35.4 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: 3.263 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.21 min

Lab File: BF101215.D

Acq: 7 Dec 2017 19:46

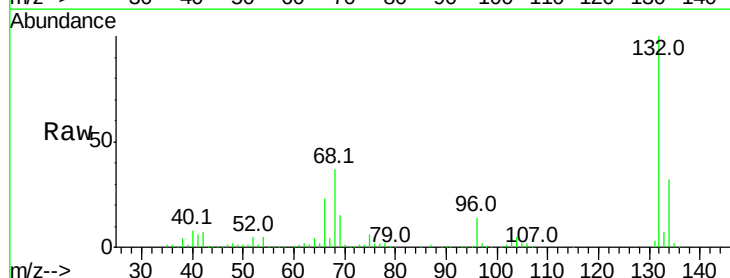
Tgt Ion: 77 Resp: 6567

Ion Ratio Lower Upper

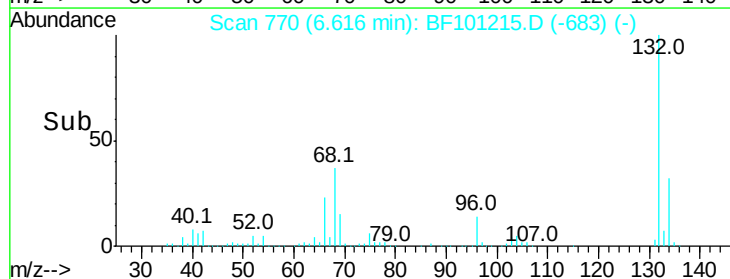
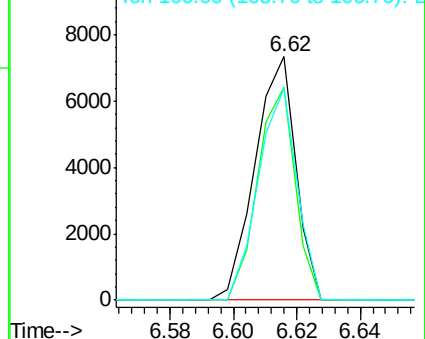
77 100

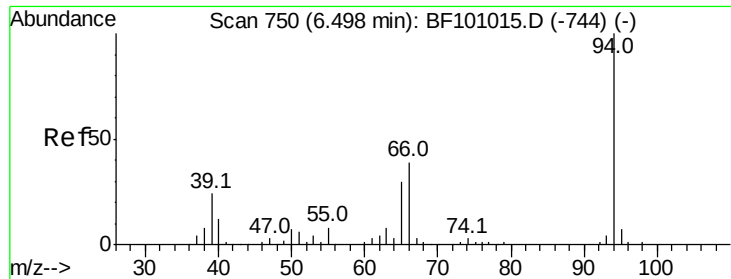
105 87.4 81.1 121.1

106 86.7 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

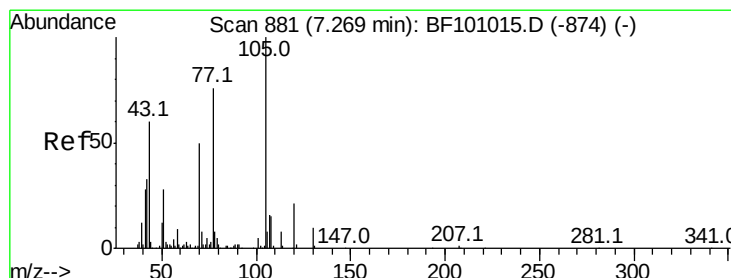
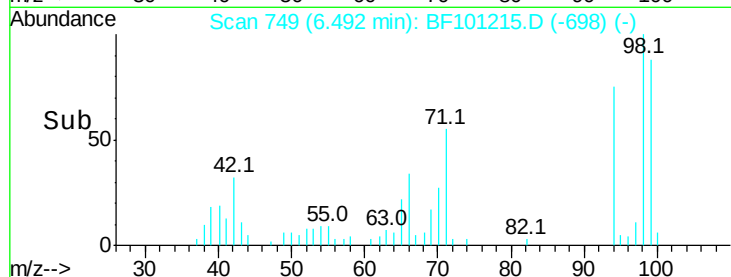
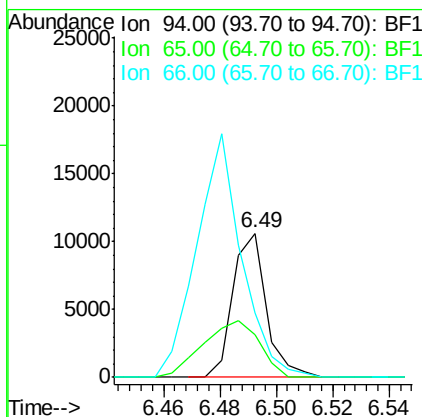
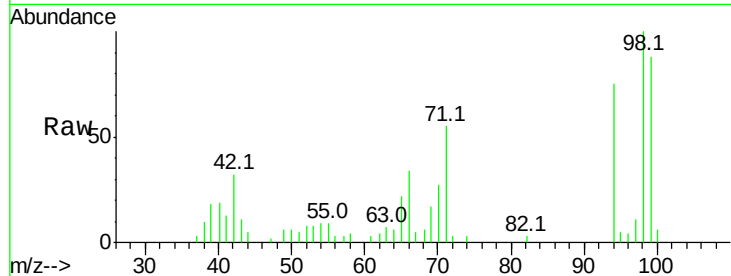




#10
Phenol
Concen: 2.394 ng
RT: 6.49 min Scan# 749
Delta R.T. 0.00 min
Lab File: BF101215.D
Acq: 7 Dec 2017 19:46

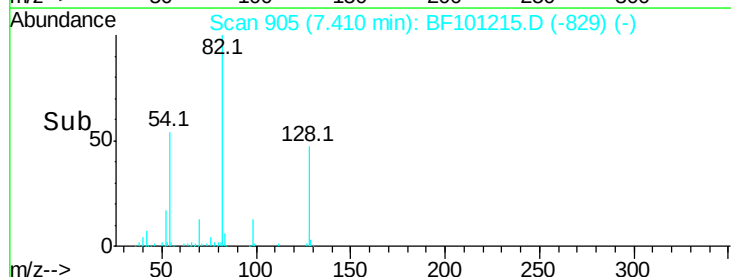
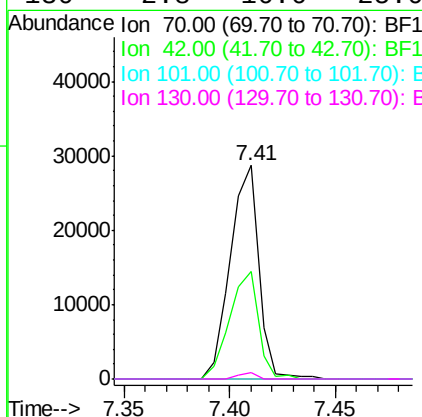
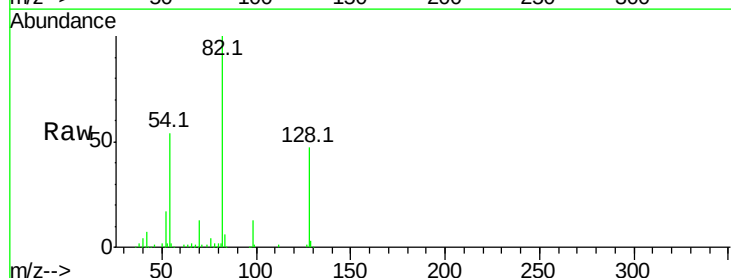
Instrument :
BNA_F
ClientSampleId :

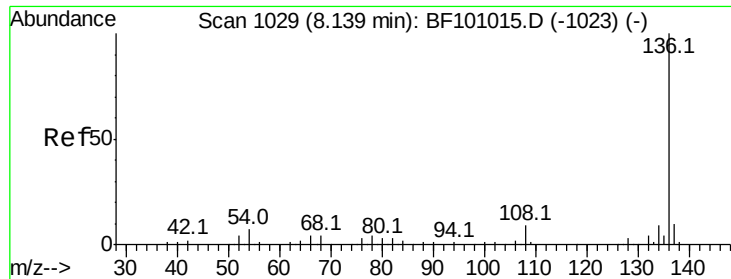
Tot Ion: 94 Resp: 8756
Ion Ratio Lower Upper
94 100
65 29.7 7.9 47.9
66 44.7 16.2 56.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.083 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.15 min
Lab File: BF101215.D
Acq: 7 Dec 2017 19:46

Tgt Ion: 70 Resp: 26761
Ion Ratio Lower Upper
70 100
42 50.3 47.5 71.3
101 0.0 7.4 11.2#
130 2.8 16.6 25.0#

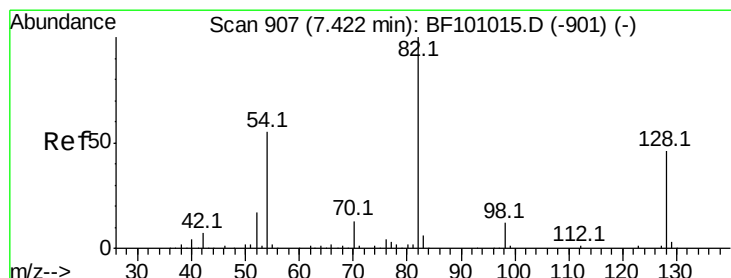
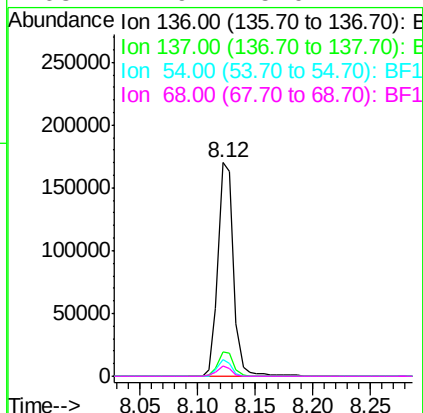
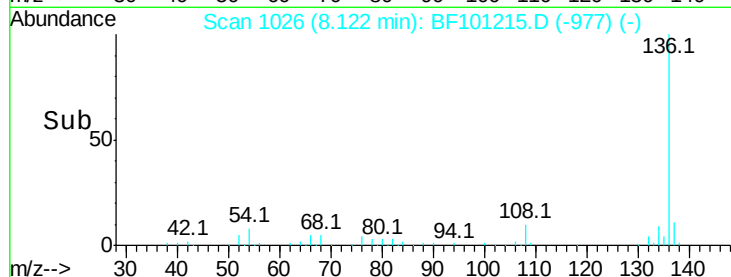
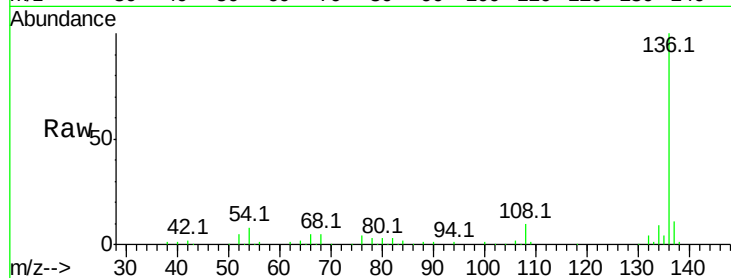




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF101215.D
Acq: 7 Dec 2017 19:46

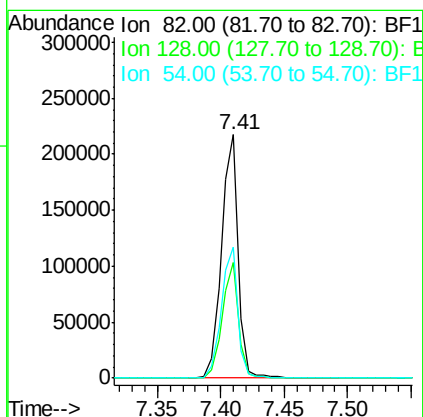
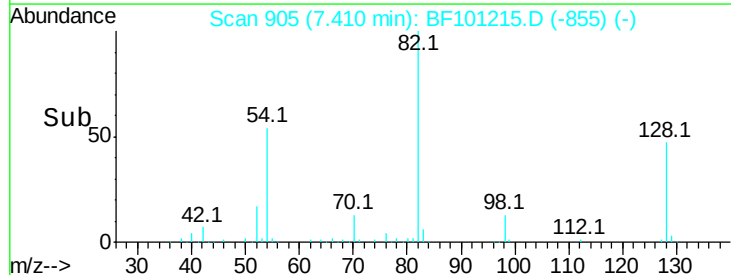
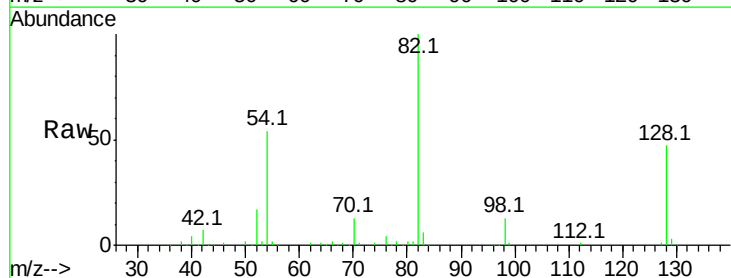
Instrument :
BNA_F
ClientSampleID :

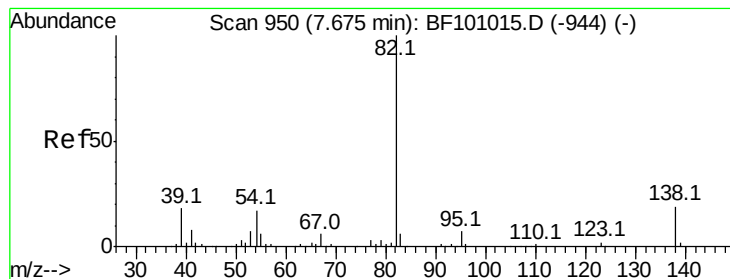
Tot Ion:	136	Resp:	160505
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.6	6.6	9.8
68	4.9	5.0	7.4#



#23
Nitrobenzene-d5
Concen: 74.219 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF101215.D
Acq: 7 Dec 2017 19:46

Tgt Ion:	82	Resp:	199697
Ion	Ratio	Lower	Upper
82	100		
128	47.4	36.1	54.1
54	53.7	41.4	62.2





#25

Isophorone

Concen: 43.450 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF101215.D

Acq: 7 Dec 2017 19:46

Instrument :

BNA_F

ClientSampleID :

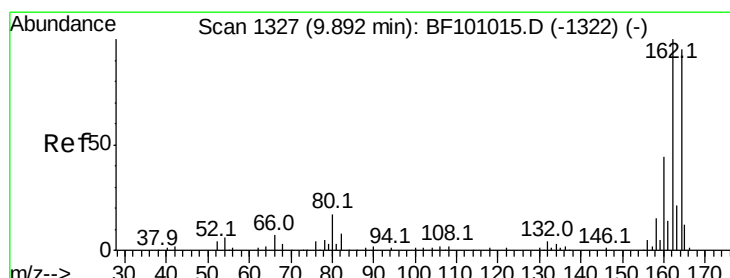
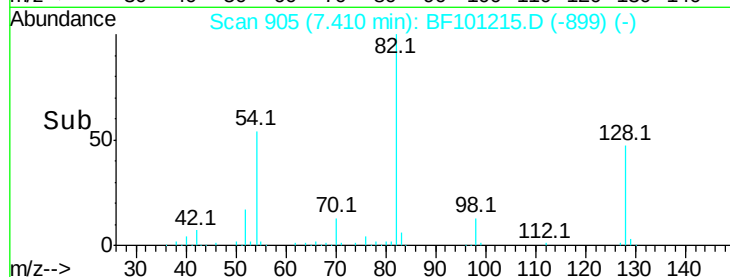
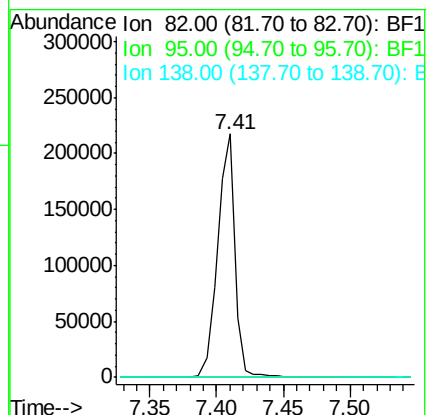
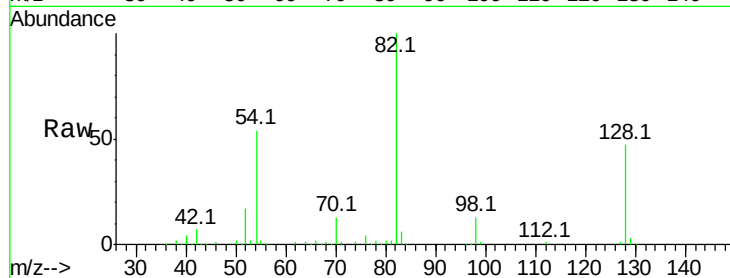
Tot Ion: 82 Resp: 199694

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: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF101215.D

Acq: 7 Dec 2017 19:46

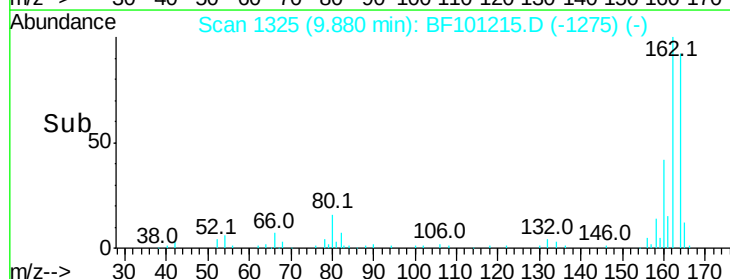
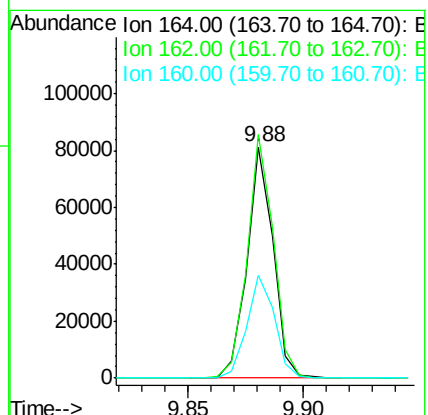
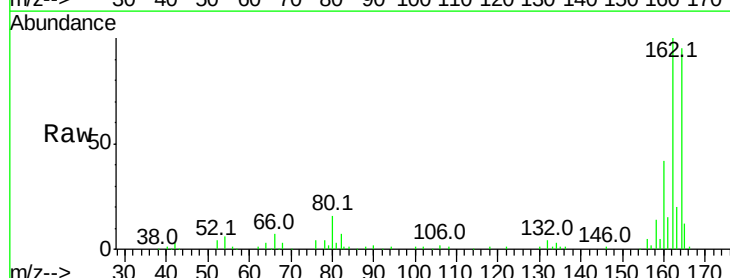
Tgt Ion:164 Resp: 64208

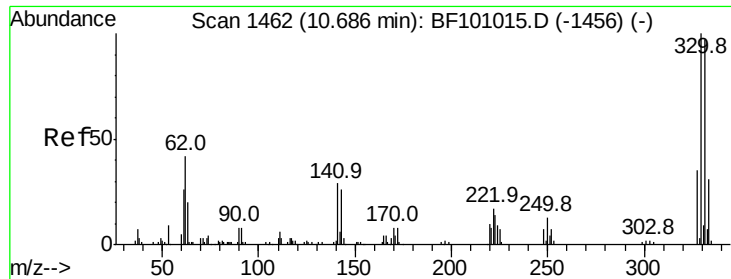
Ion Ratio Lower Upper

164 100

162 105.5 86.1 129.1

160 44.6 38.3 57.5

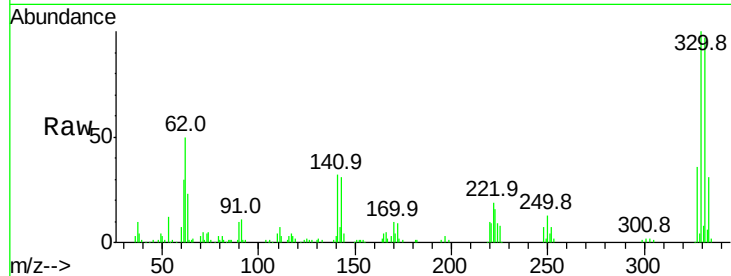




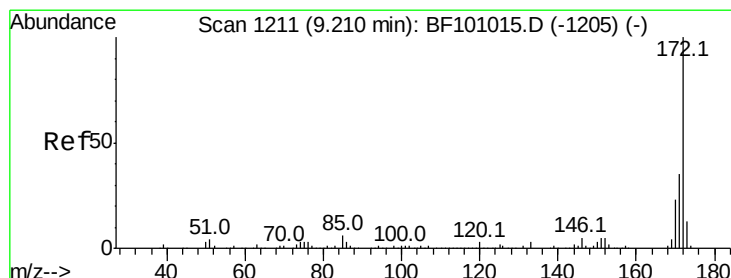
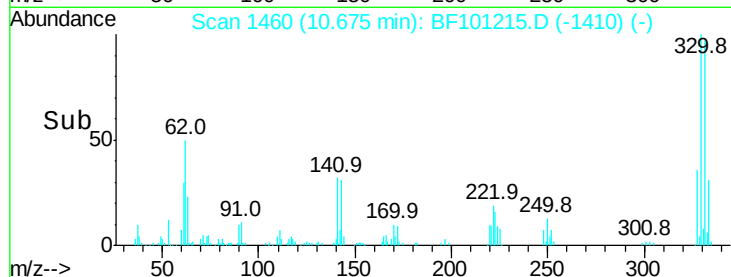
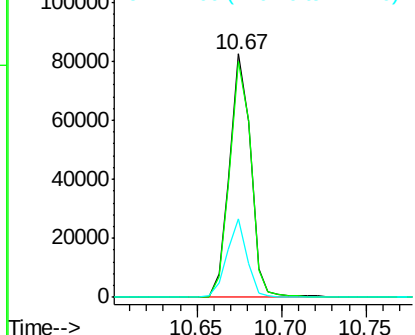
#41
 2,4,6-Tribromophenol
 Concen: 93.340 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF101215.D
 Acq: 7 Dec 2017 19:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	30.4	29.9	44.9

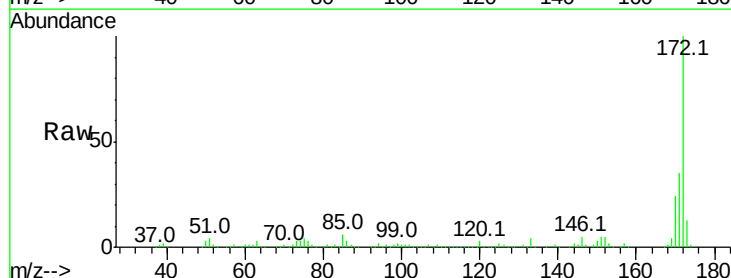


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

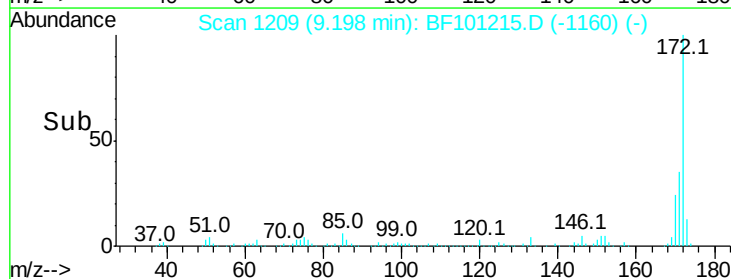
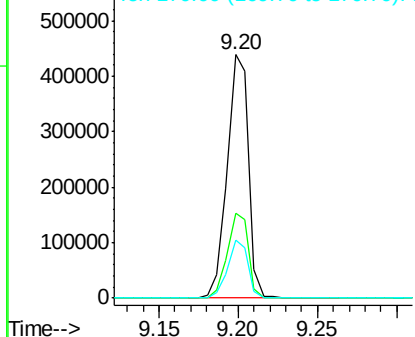


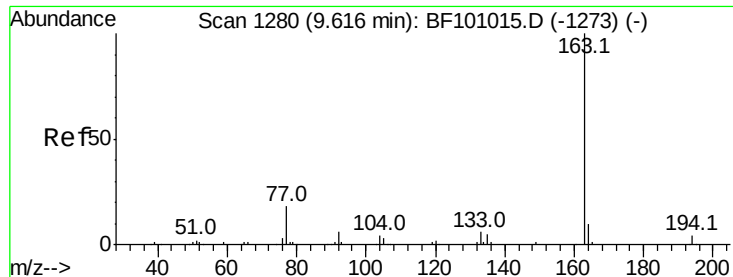
#44
 2-Fluorobiphenyl
 Concen: 86.578 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF101215.D
 Acq: 7 Dec 2017 19:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	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

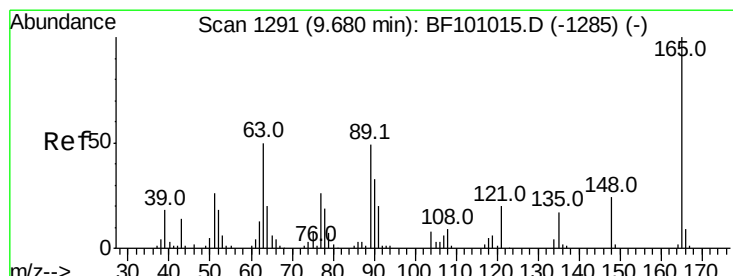
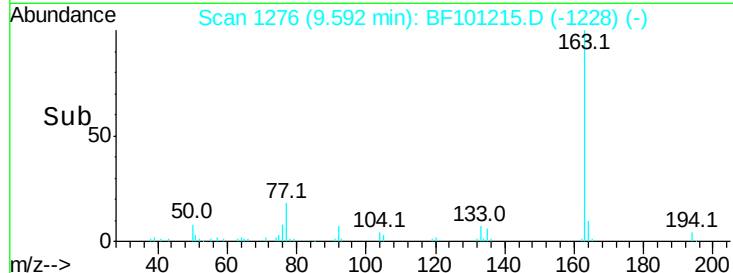
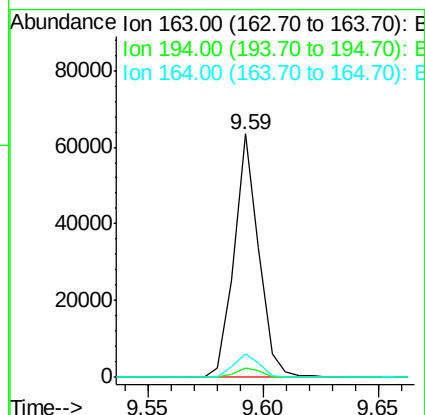
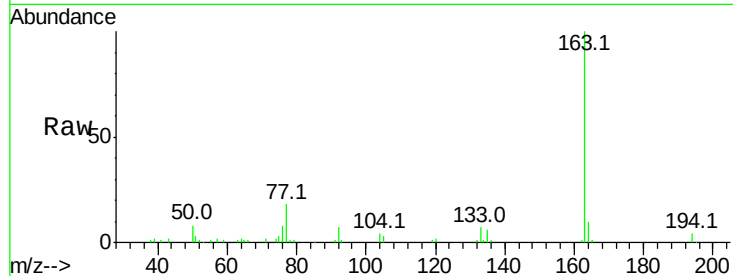




#49
Dimethylphthalate
Concen: 9.096 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF101215.D
Acq: 7 Dec 2017 19:46

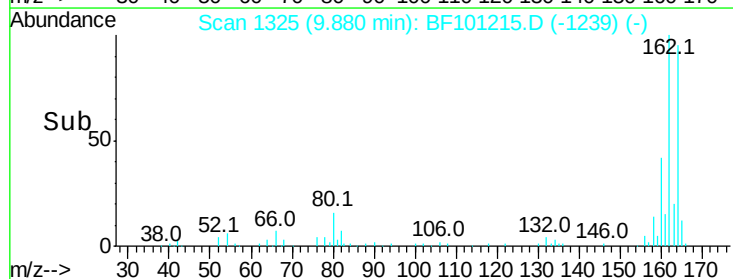
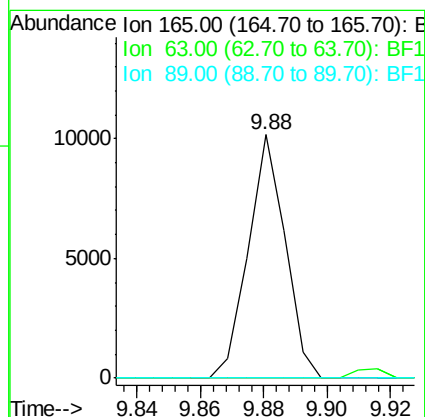
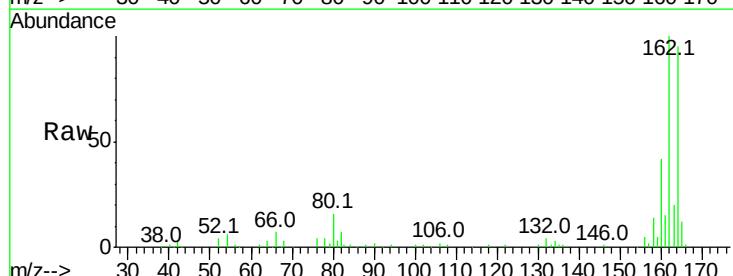
Instrument :
BNA_F
ClientSampleId :

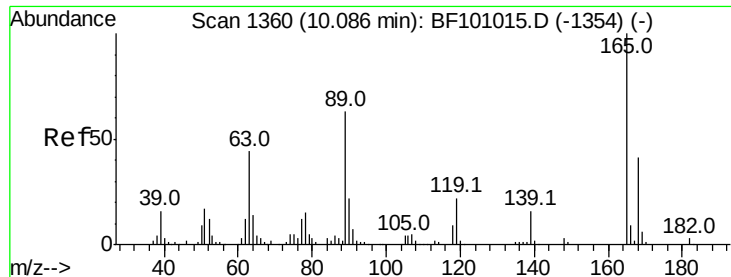
Tot Ion:163 Resp: 47102
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 9.8 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 7.522 ng
RT: 9.88 min Scan# 1325
Delta R.T. 0.21 min
Lab File: BF101215.D
Acq: 7 Dec 2017 19:46

Tgt Ion:165 Resp: 8204
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 0.0 44.0 66.0#

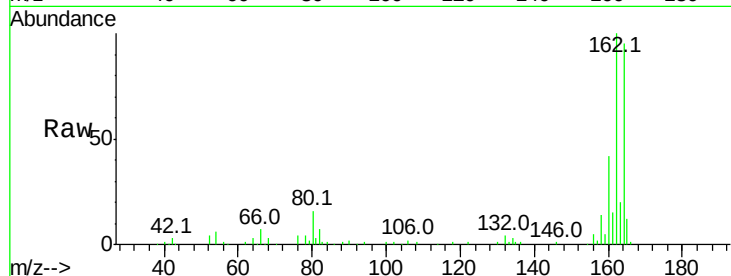




#56
 2,4-Dinitrotoluene
 Concen: 5.613 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.20 min
 Lab File: BF101215.D
 Acq: 7 Dec 2017 19:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	8204
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#

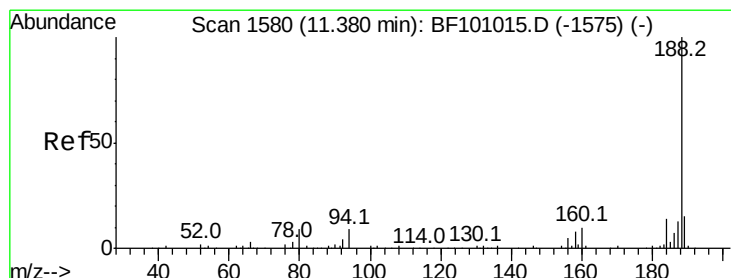
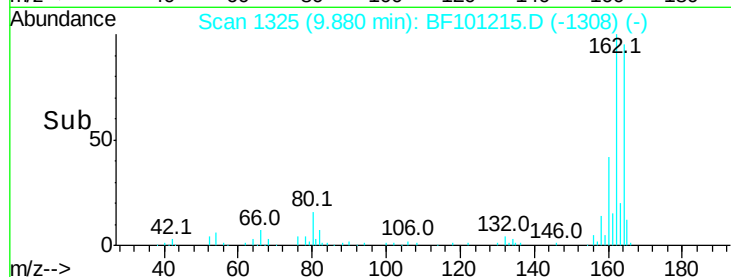
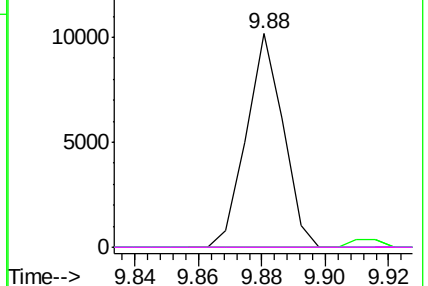


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

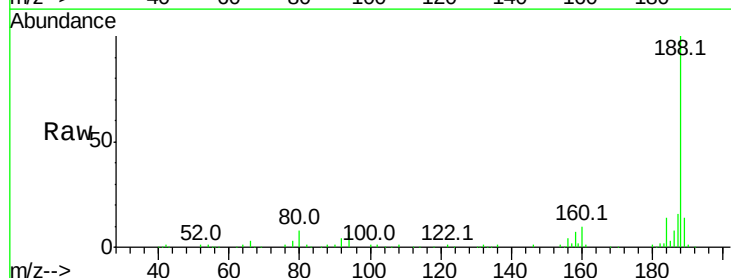
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: BF101215.D
 Acq: 7 Dec 2017 19:46

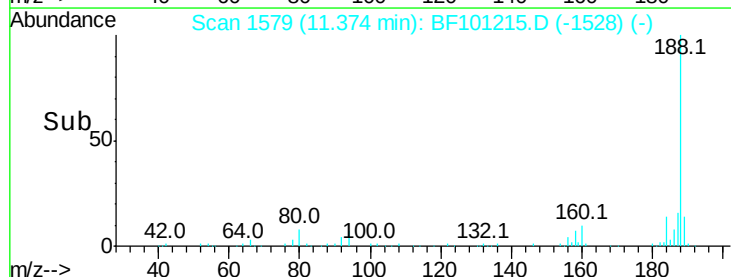
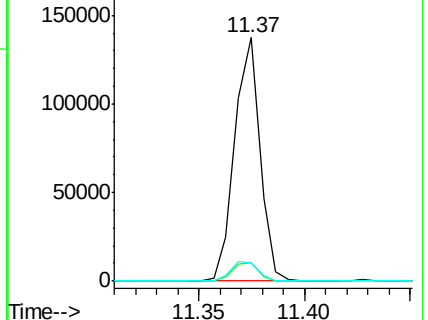
Tgt Ion:	188	Resp:	113702
Ion	Ratio	Lower	Upper
188	100		
94	7.4	8.5	12.7#
80	7.6	9.2	13.8#

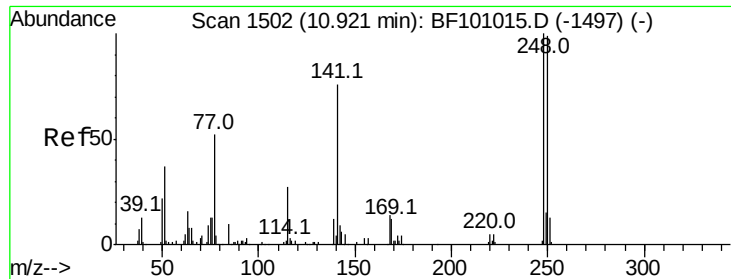


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

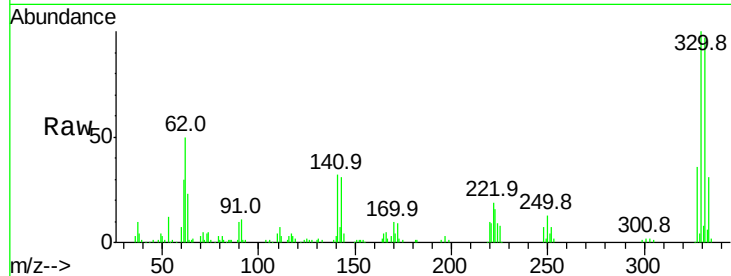




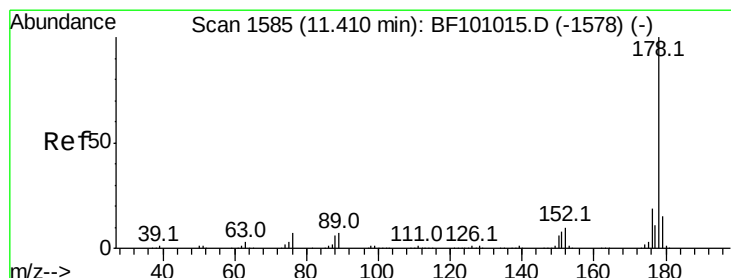
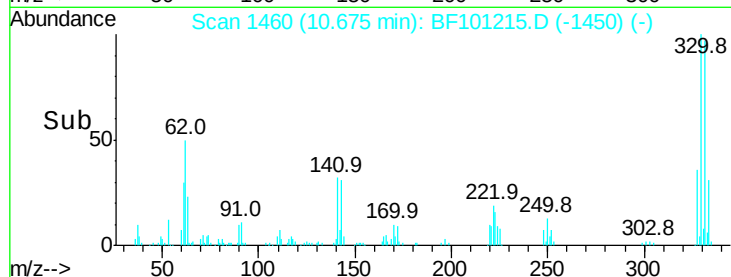
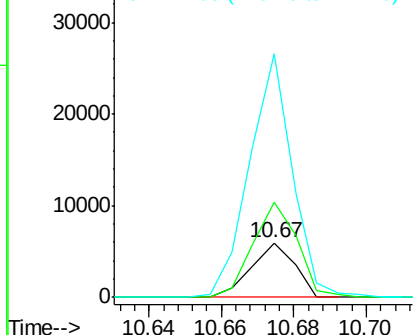
#66
 4-Bromophenyl-phenylether
 Concen: 3.838 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.24 min
 Lab File: BF101215.D
 Acq: 7 Dec 2017 19:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 4884
 Ion Ratio Lower Upper
 248 100
 250 175.5 76.9 115.3#
 141 446.7 74.4 111.6#

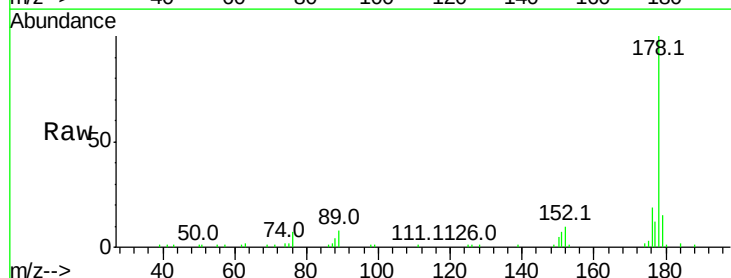


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

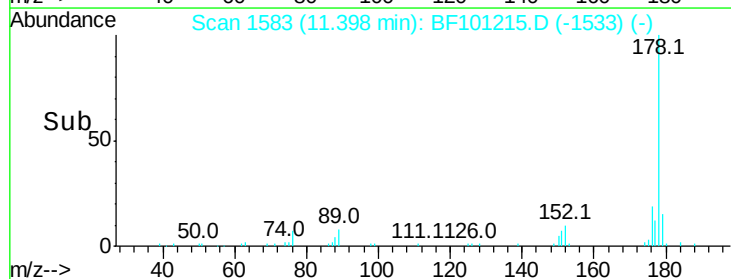
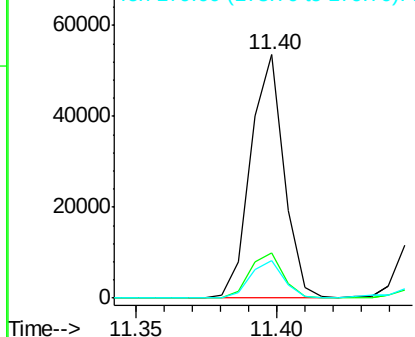


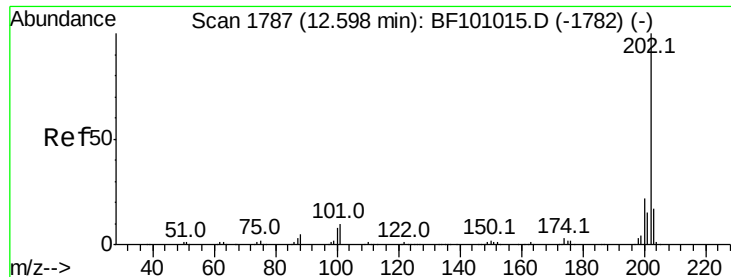
#70
 Phenanthrene
 Concen: 6.998 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF101215.D
 Acq: 7 Dec 2017 19:46

Tgt Ion:178 Resp: 43816
 Ion Ratio Lower Upper
 178 100
 176 18.5 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

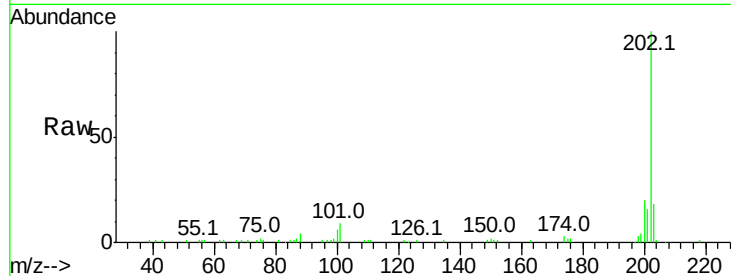




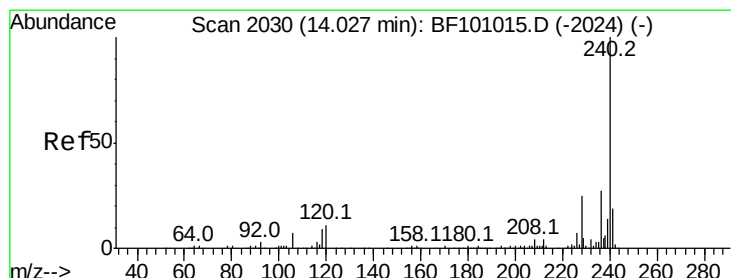
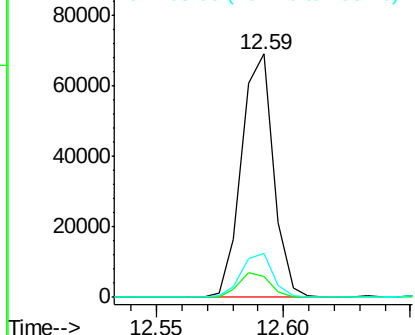
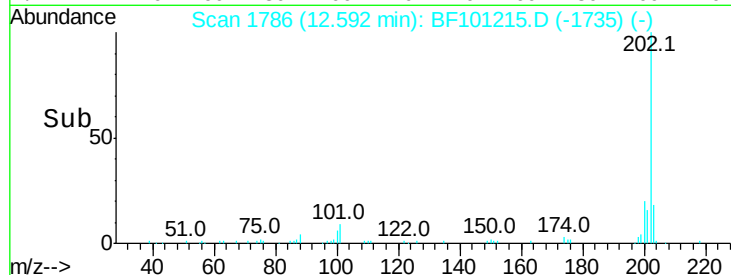
#74
Fluoranthene
Concen: 8.754 ng
RT: 12.59 min Scan# 1786
Delta R.T. 0.00 min
Lab File: BF101215.D
Acq: 7 Dec 2017 19:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 60761
Ion Ratio Lower Upper
202 100
101 8.8 0.0 34.1
203 17.8 0.0 38.1

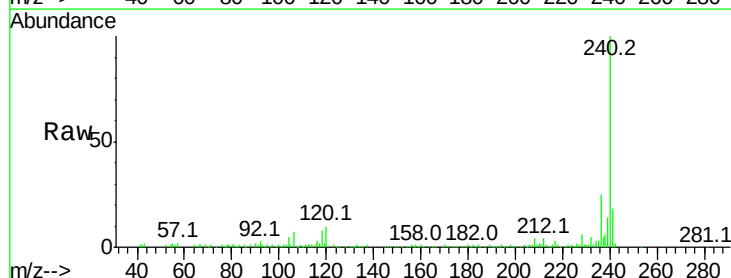


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

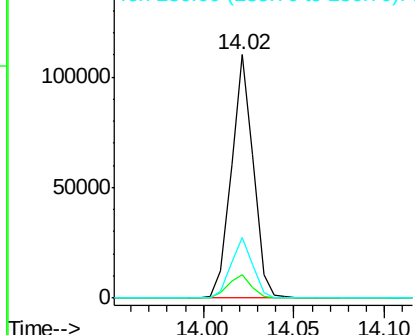
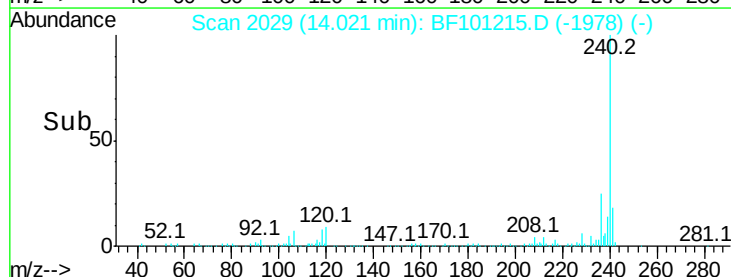


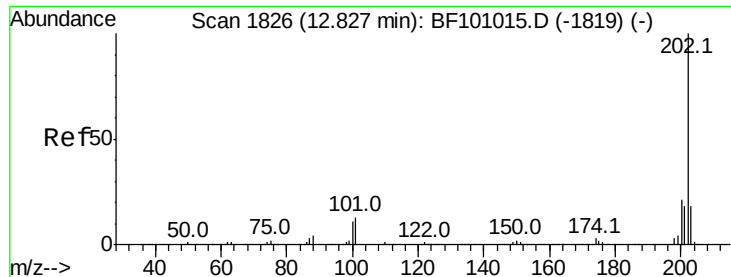
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.00 min
Lab File: BF101215.D
Acq: 7 Dec 2017 19:46

Tgt Ion:240 Resp: 92811
Ion Ratio Lower Upper
240 100
120 9.7 9.5 14.3
236 24.8 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

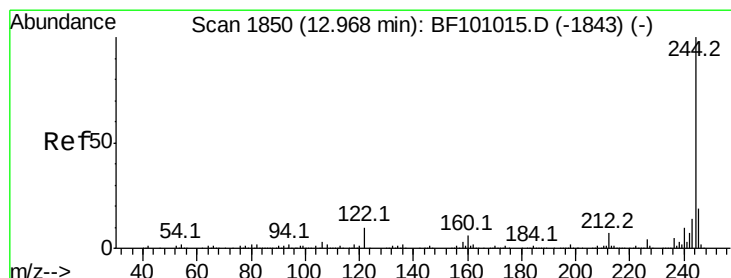
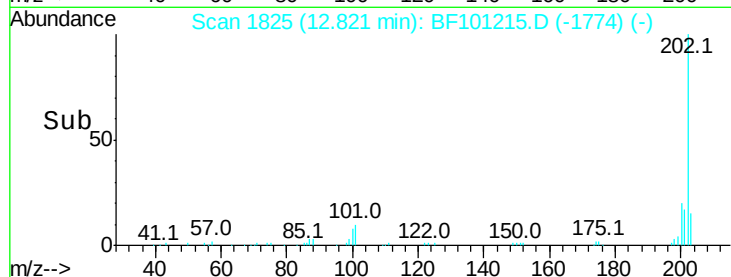
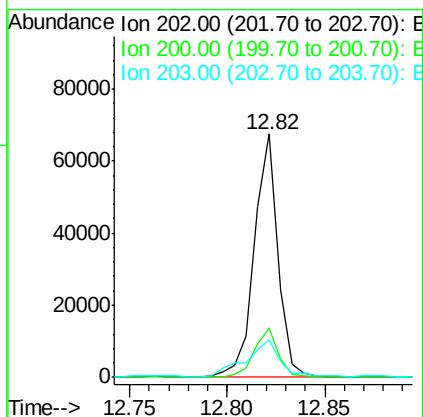
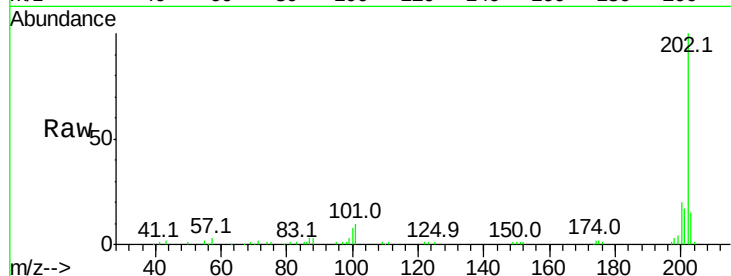




#77
 Pvrene
 Concen: 8.873 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. 0.00 min
 Lab File: BF101215.D
 Acq: 7 Dec 2017 19:46

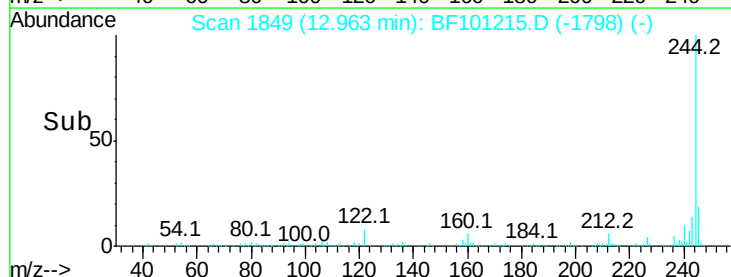
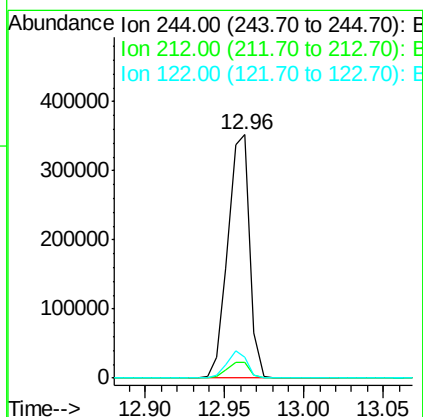
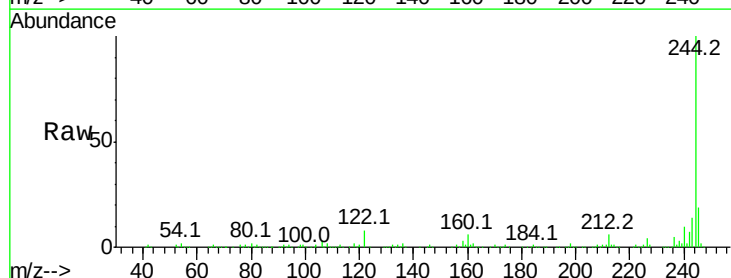
Instrument :
 BNA_F
 ClientSampleId :

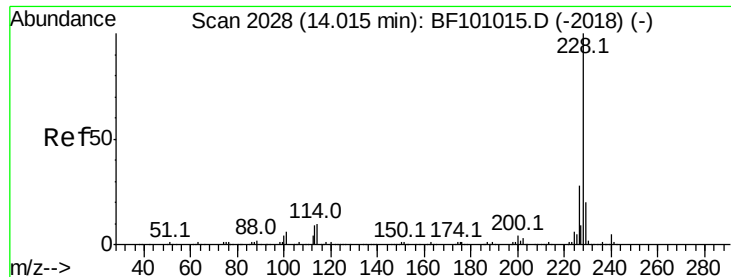
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.0	17.4	26.2
203	15.3	14.3	21.5



#78
 Terphenyl-d14
 Concen: 79.102 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. 0.00 min
 Lab File: BF101215.D
 Acq: 7 Dec 2017 19:46

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	8.4	11.0	16.4#





#80

Benzo(a)anthracene

Concen: 4.602 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BF101215.D

Acq: 7 Dec 2017 19:46

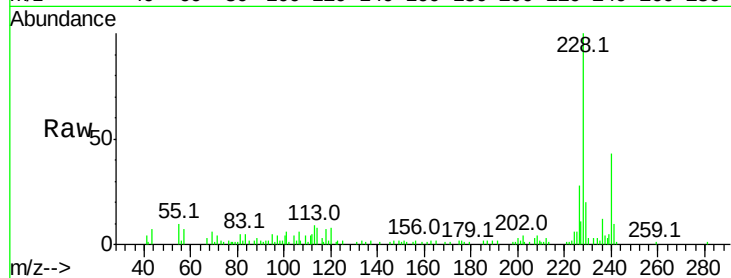
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 26968

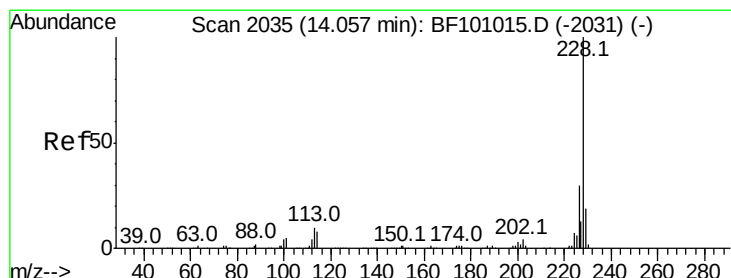
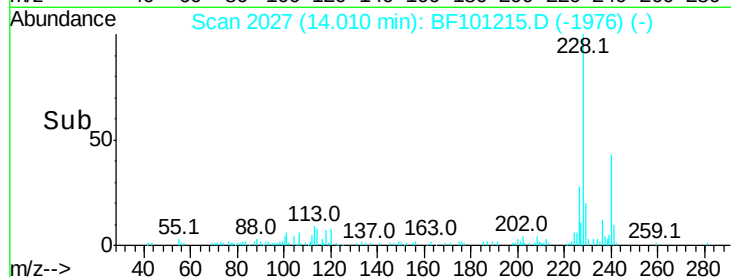
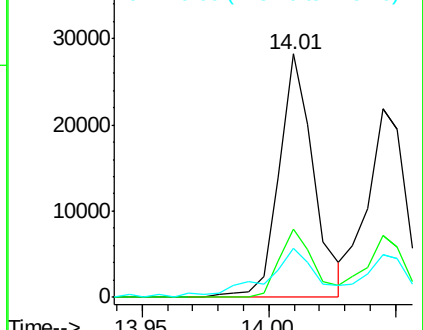
Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.6	33.8
229	20.2	15.8	23.6



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: 4.254 ng

RT: 14.04 min Scan# 2033

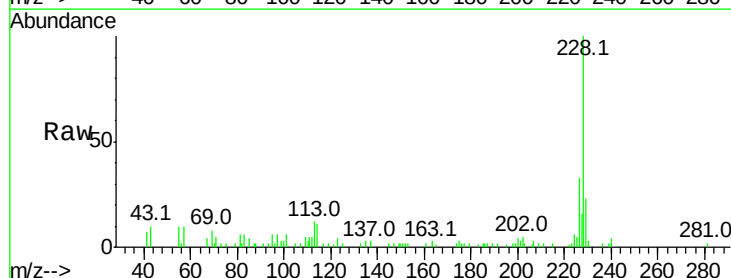
Delta R.T. -0.01 min

Lab File: BF101215.D

Acq: 7 Dec 2017 19:46

Tgt Ion:228 Resp: 23152

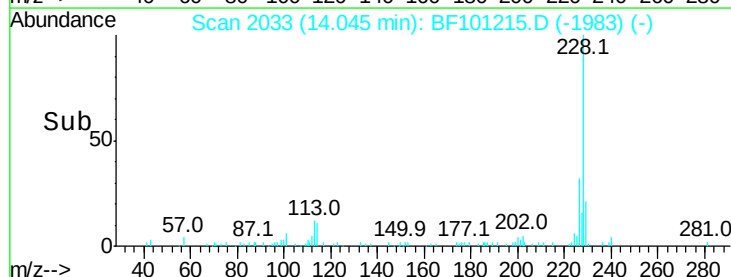
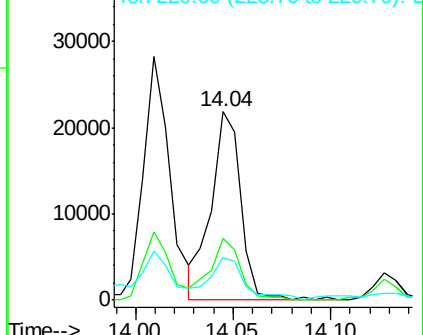
Ion	Ratio	Lower	Upper
228	100		
226	33.2	25.0	37.6
229	22.5	16.2	24.4

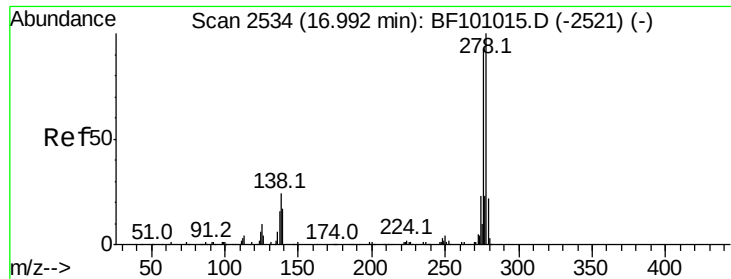


Abundance Ion 228.00 (227.70 to 228.70): E

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: 2.185 ng

RT: 16.99 min Scan# 2533

Delta R.T. 0.01 min

Lab File: BF101215.D

Acq: 7 Dec 2017 19:46

Instrument :

BNA_F

ClientSampleId :

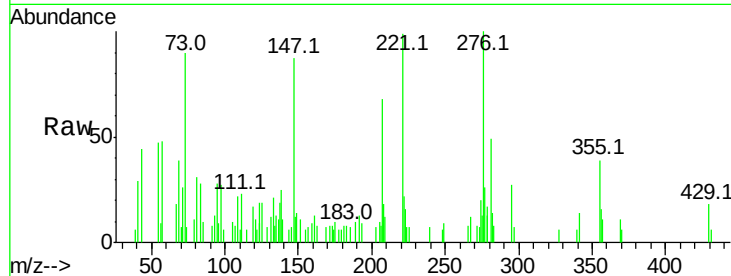
Tot Ion:276 Resp: 10574

Ion Ratio Lower Upper

276 100

138 26.8 25.0 37.6

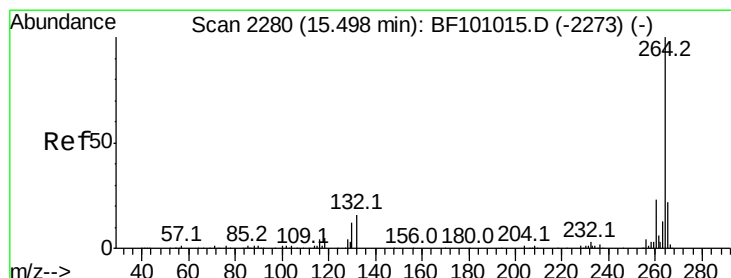
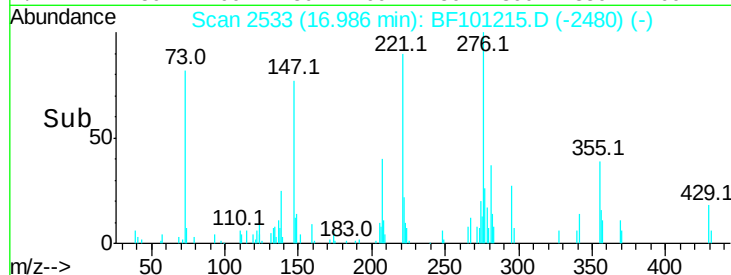
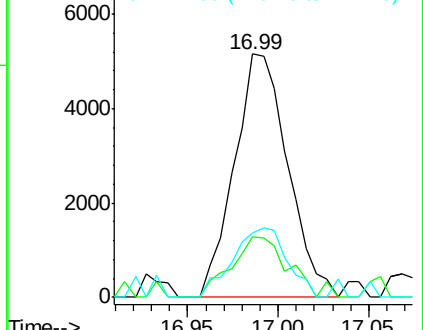
277 29.0 20.1 30.1



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

Perylene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2281

Delta R.T. 0.01 min

Lab File: BF101215.D

Acq: 7 Dec 2017 19:46

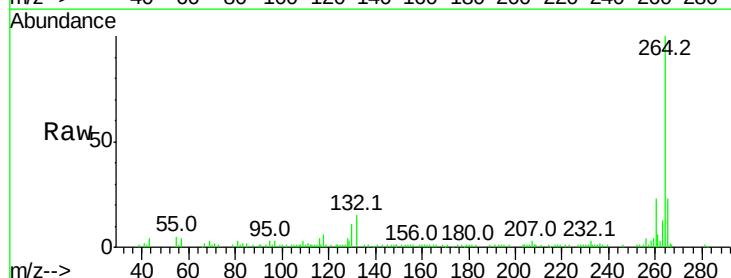
Tgt Ion:264 Resp: 76003

Ion Ratio Lower Upper

264 100

260 23.1 19.2 28.8

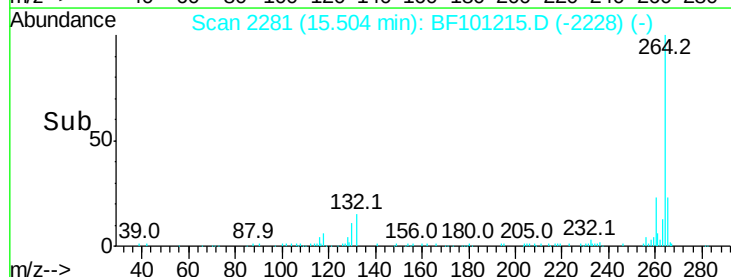
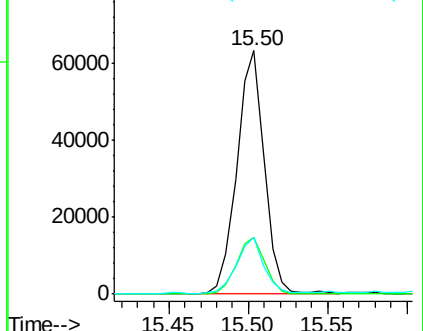
265 23.1 17.5 26.3

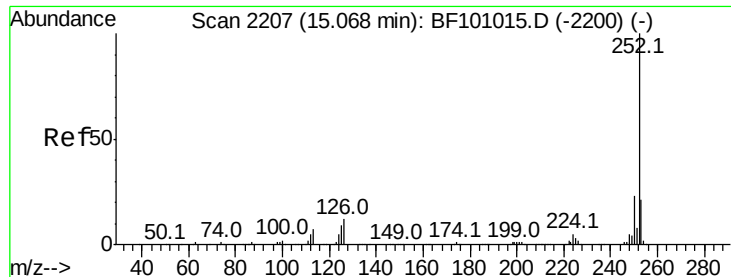


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

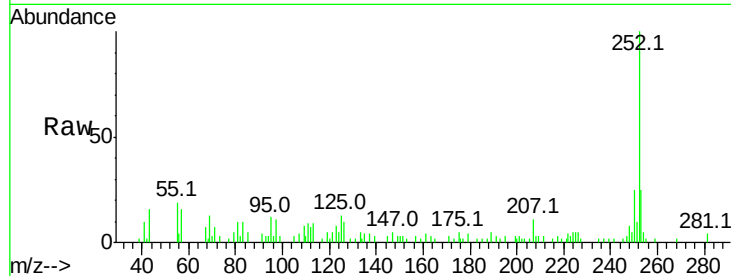




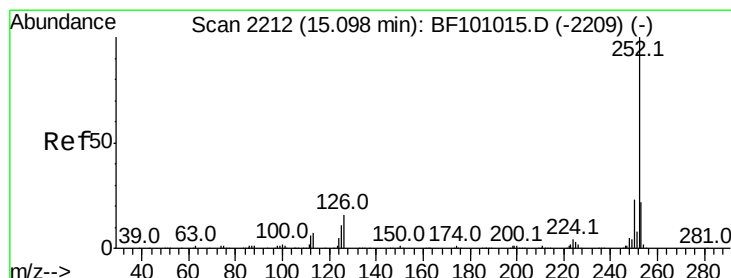
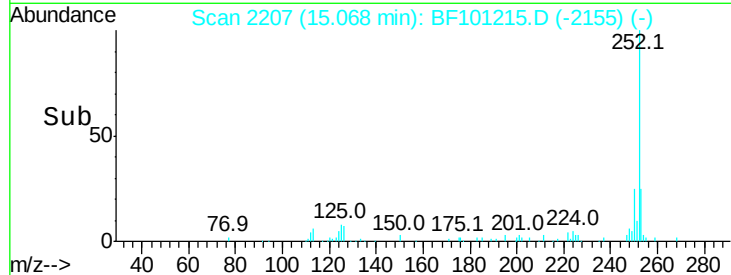
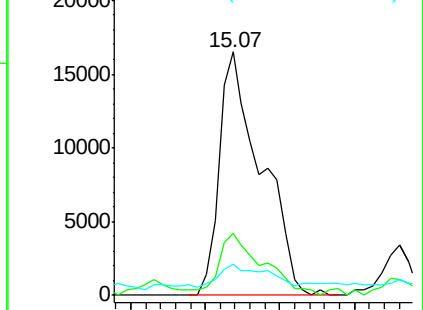
#87
Benzo(b)fluoranthene
Concen: 7.082 ng
RT: 15.07 min Scan# 2207
Delta R.T. 0.01 min
Lab File: BF101215.D
Acq: 7 Dec 2017 19:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 32242
Ion Ratio Lower Upper
252 100
253 25.4 17.0 25.6
125 12.6 9.0 13.6

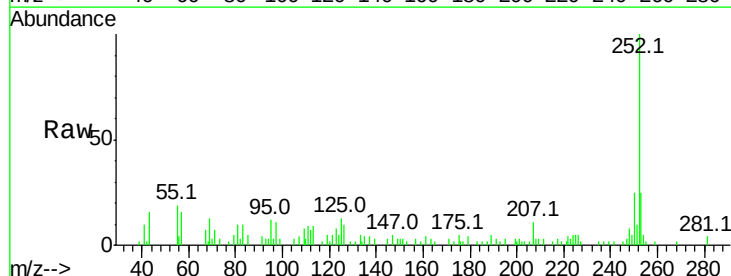


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

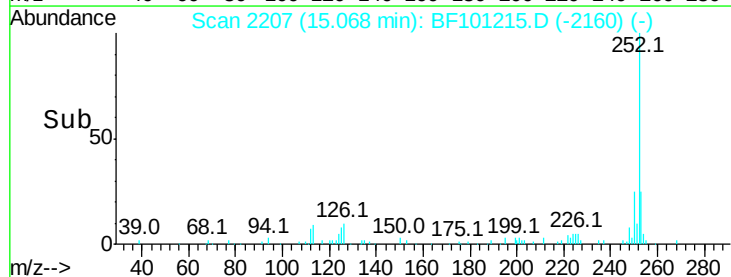
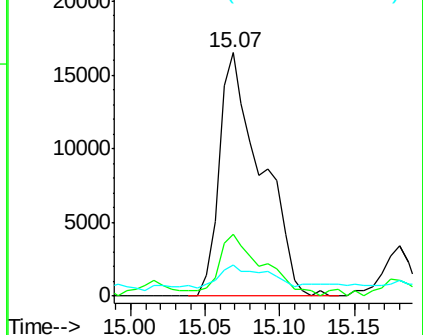


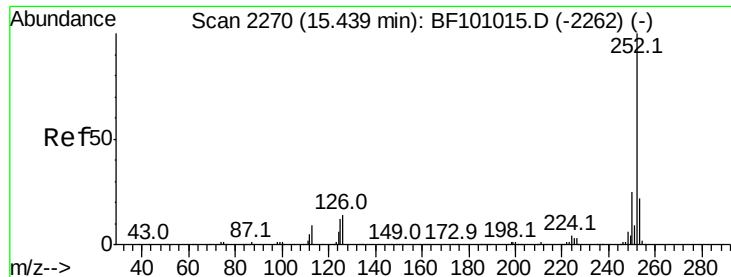
#88
Benzo(k)fluoranthene
Concen: 7.189 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.02 min
Lab File: BF101215.D
Acq: 7 Dec 2017 19:46

Tgt Ion:252 Resp: 32242
Ion Ratio Lower Upper
252 100
253 25.4 17.9 26.9
125 12.6 10.2 15.2



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





#89

Benzo(a)pyrene

Concen: 4.226 ng

RT: 15.44 min Scan# 2270

Delta R.T. 0.01 min

Lab File: BF101215.D

Acq: 7 Dec 2017 19:46

Instrument :

BNA_F

ClientSampleId :

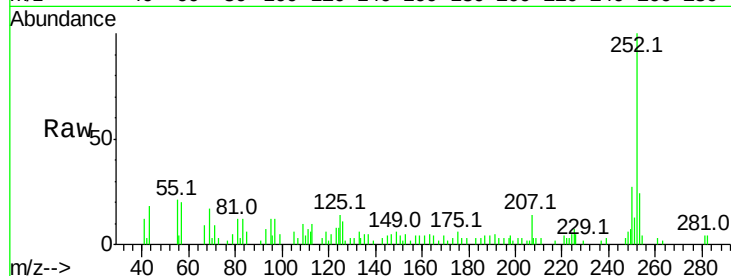
Tot Ion:252 Resp: 17491

Ion Ratio Lower Upper

252 100

253 23.9 17.1 25.7

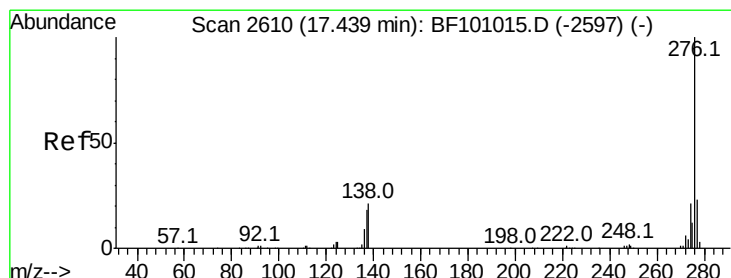
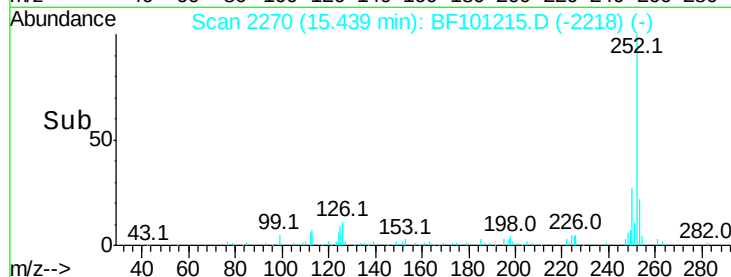
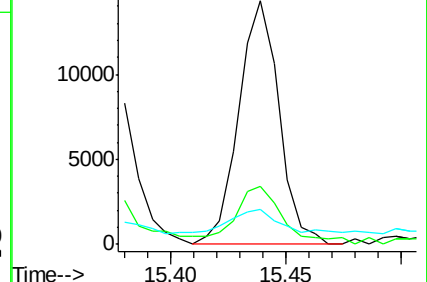
125 14.1 9.8 14.6



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: 2.876 ng

RT: 17.44 min Scan# 2610

Delta R.T. 0.01 min

Lab File: BF101215.D

Acq: 7 Dec 2017 19:46

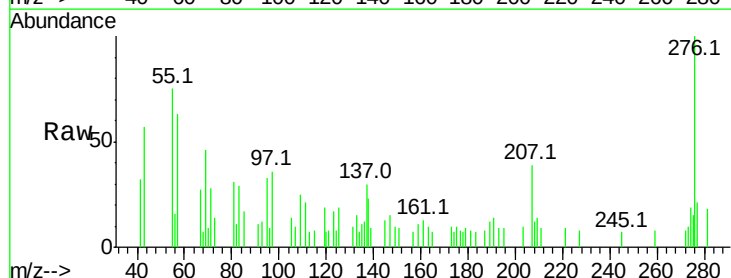
Tgt Ion:276 Resp: 9888

Ion Ratio Lower Upper

276 100

277 20.8 17.9 26.9

138 23.1 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

