

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032415\
 Data File : BF077938.D
 Acq On : 25 Mar 2015 6:00
 Operator : TP/IZ
 Sample : G1615-04
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-16-2

Quant Time: Mar 25 05:59:32 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 25 04:36:48 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.12	152	45545	20.00	ng	0.00
21) Naphthalene-d8	8.69	136	188744	20.00	ng	0.00
38) Acenaphthene-d10	10.86	164	92946	20.00	ng	0.00
63) Phenanthrene-d10	12.71	188	177327	20.00	ng	0.01
75) Chrysene-d12	16.00	240	194288	20.00	ng	0.01
86) Perylene-d12	17.78	264	192961	20.00	ng	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	291165	111.59	ng	0.00
7) Phenol-d6	6.69	99	368257	114.23	ng	0.00
23) Nitrobenzene-d5	7.81	82	227446	78.99	ng	0.00
41) 2,4,6-Tribromophenol	11.85	330	89943	101.14	ng	0.01
44) 2-Fluorobiphenyl	10.04	172	448352	70.89	ng	0.00
78) Terphenyl-d14	14.69	244	474319	59.63	ng	0.00

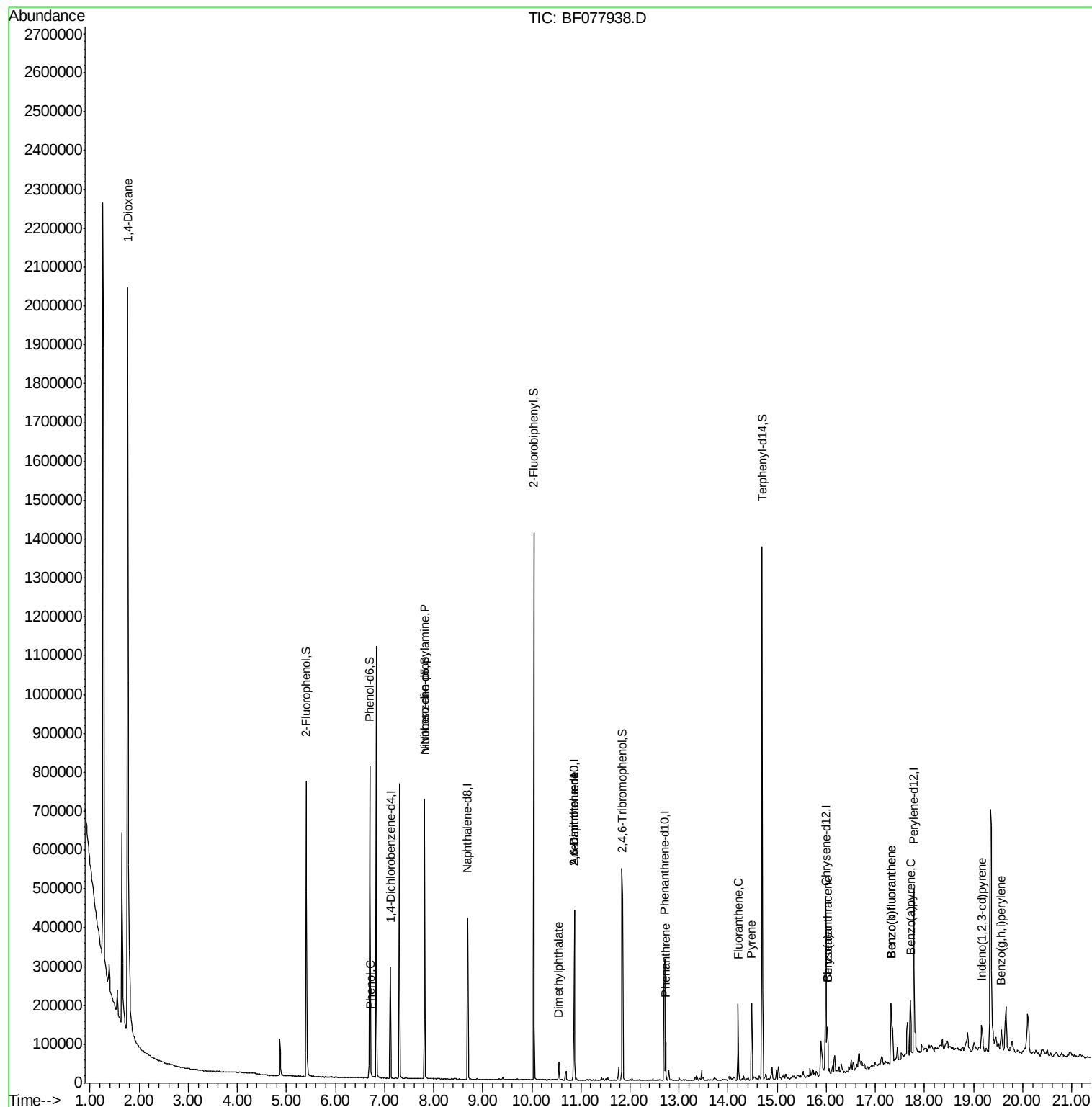
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.77	88	95856	80.91	ng	# 100
10) Phenol	6.72	94	12316	3.23	ng	# 72
19) n-Nitroso-di-n-propylamine	7.81	70	28522	12.79	ng	# 80
49) Dimethylphthalate	10.54	163	24475	3.55	ng	97
50) 2,6-Dinitrotoluene	10.86	165	12207	8.54	ng	# 24
56) 2,4-Dinitrotoluene	10.86	165	12208	6.55	ng	# 11
70) Phenanthrene	12.73	178	40403	3.97	ng	100
74) Fluoranthene	14.20	202	91618	8.16	ng	98
77) Pyrene	14.48	202	85967	7.04	ng	96
80) Benzo(a)anthracene	16.02	228	63461	5.51	ng	97
82) Chrysene	16.02	228	63461	6.13	ng	96
85) Indeno(1,2,3-cd)pyrene	19.16	276	46636	3.61	ng	# 100
87) Benzo(b)fluoranthene	17.32	252	135545	10.76	ng	98
88) Benzo(k)fluoranthene	17.32	252	135545	13.78	ng	98
89) Benzo(a)pyrene	17.71	252	70573	6.71	ng	# 94
91) Benzo(g,h,i)perylene	19.56	276	39470	3.72	ng	92

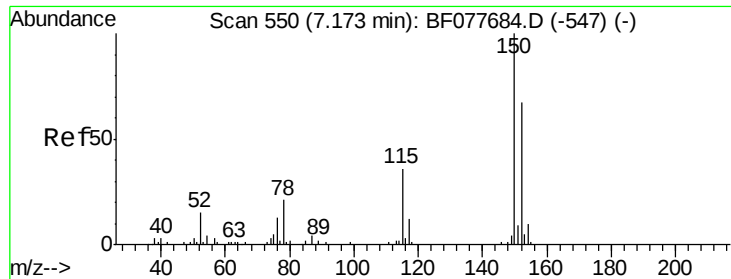
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.12 min Scan# 545

Delta R.T. -0.00 min

Lab File: BF077938.D

Acq: 25 Mar 2015 6:00

Instrument :

BNA_F

ClientSampled :

SB-16-2

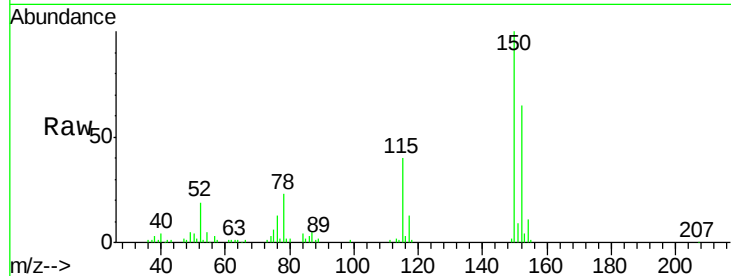
Tgt Ion:152 Resp: 45545

Ion Ratio Lower Upper

152 100

150 154.4 119.5 179.3

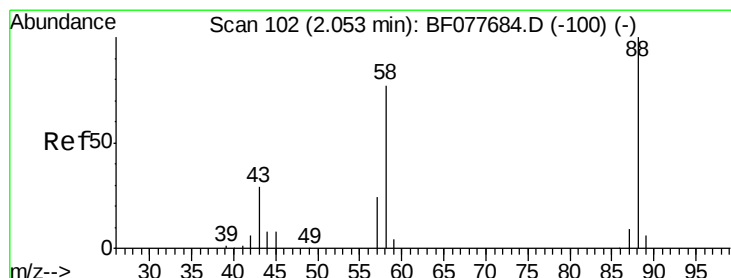
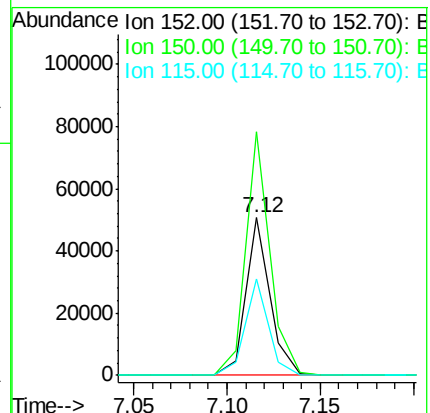
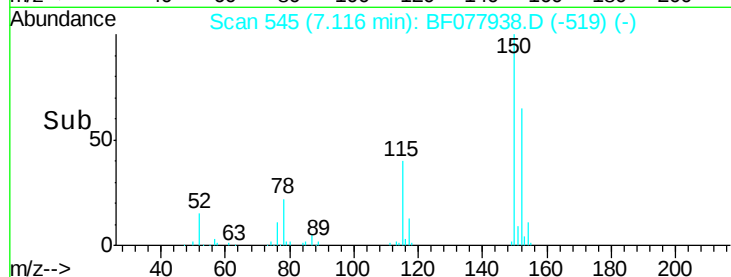
115 61.0 43.0 64.4



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



#2

1,4-Dioxane

Concen: 80.91 ng

RT: 1.77 min Scan# 77

Delta R.T. -0.22 min

Lab File: BF077938.D

Acq: 25 Mar 2015 6:00

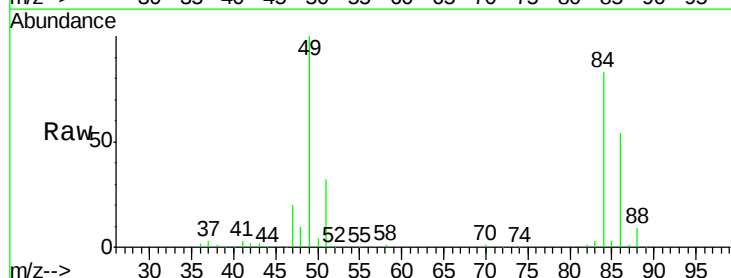
Tgt Ion: 88 Resp: 95856

Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

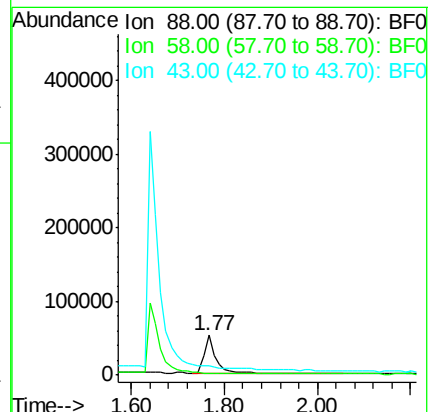
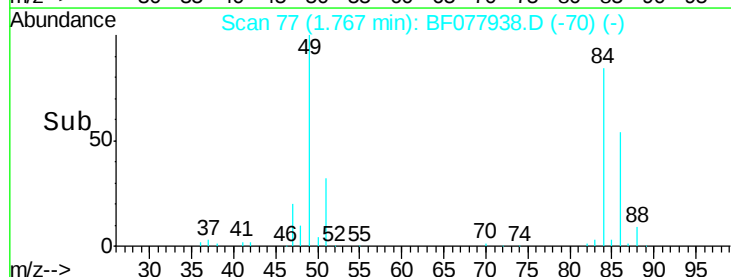
43 0.0 0.0 0.0

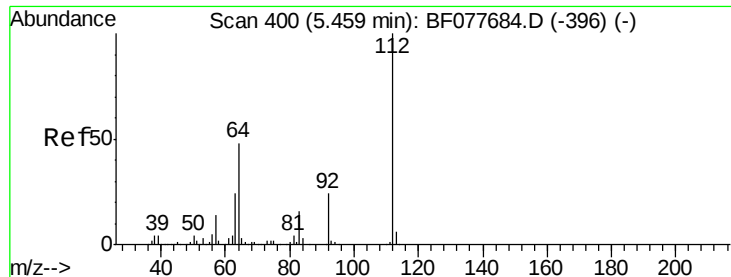


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

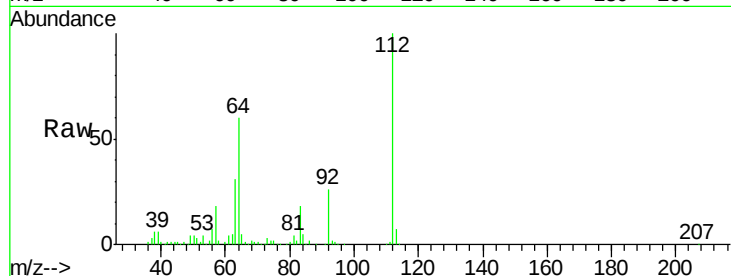




#5
 2-Fluorophenol
 Concen: 111.59 ng
 RT: 5.40 min Scan# 395
 Delta R.T. -0.00 min
 Lab File: BF077938.D
 Acq: 25 Mar 2015 6:00

Instrument :
 BNA_F
 ClientSampled :
 SB-16-2

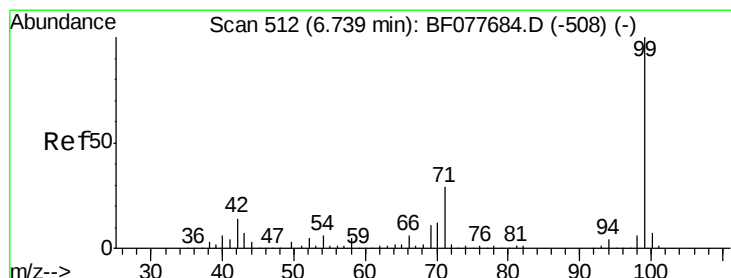
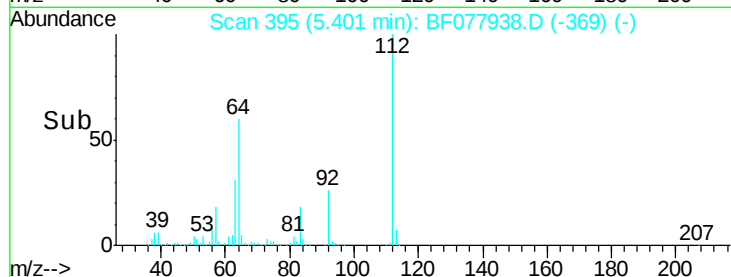
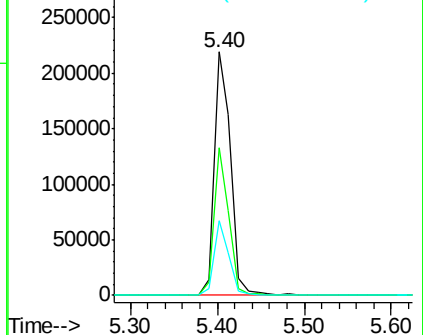
Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.4	38.6	57.8#
63	30.7	19.3	28.9#



Abundance Ion 112.00 (111.70 to 112.70): BF077684.D (-396) (-)

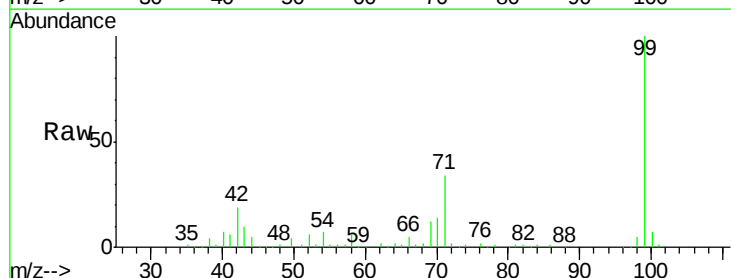
Ion 64.00 (63.70 to 64.70): BF077684.D (-396) (-)

Ion 63.00 (62.70 to 63.70): BF077684.D (-396) (-)



#7
 Phenol-d6
 Concen: 114.23 ng
 RT: 6.69 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: BF077938.D
 Acq: 25 Mar 2015 6:00

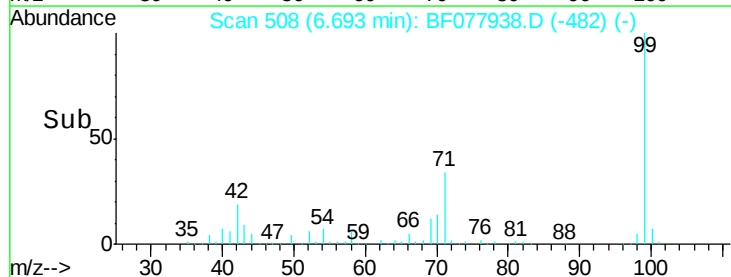
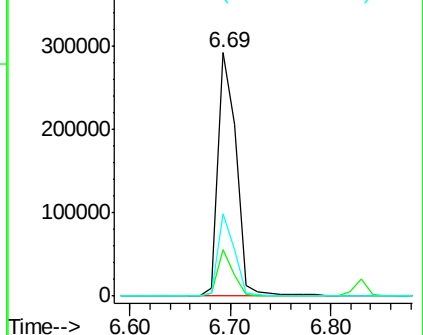
Tgt Ion	Ratio	Lower	Upper
99	100		
42	18.9	11.0	16.4#
71	34.1	23.4	35.2

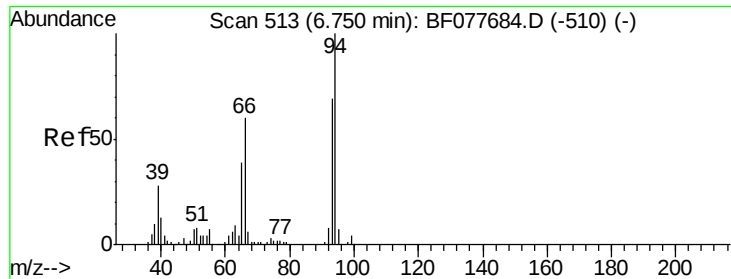


Abundance Ion 99.00 (98.70 to 99.70): BF077684.D (-508) (-)

Ion 42.00 (41.70 to 42.70): BF077684.D (-508) (-)

Ion 71.00 (70.70 to 71.70): BF077684.D (-508) (-)





#10

Phenol

Concen: 3.23 ng

RT: 6.72 min Scan# 510

Delta R.T. 0.01 min

Lab File: BF077938.D

Acq: 25 Mar 2015 6:00

Instrument :

BNA_F

ClientSampleId :

SB-16-2

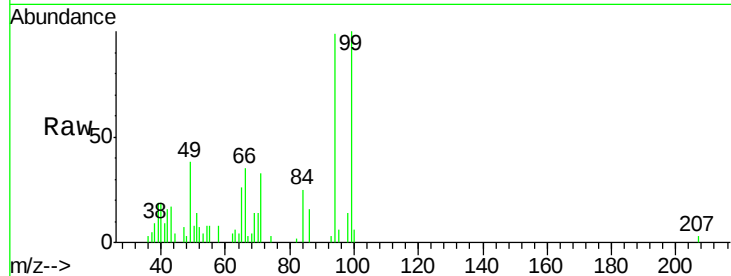
Tgt Ion: 94 Resp: 12316

Ion Ratio Lower Upper

94 100

65 26.3 18.8 58.8

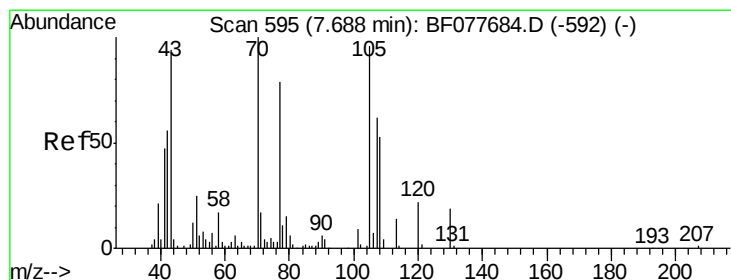
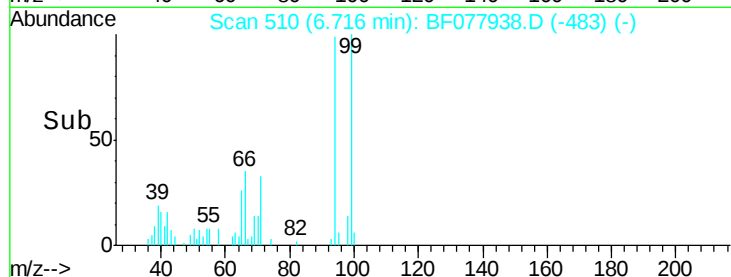
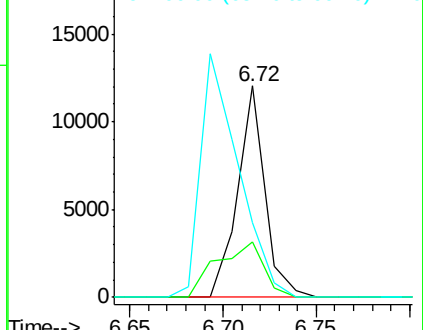
66 35.2 39.9 79.9#



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 12.79 ng

RT: 7.81 min Scan# 606

Delta R.T. 0.17 min

Lab File: BF077938.D

Acq: 25 Mar 2015 6:00

Tgt Ion: 70 Resp: 28522

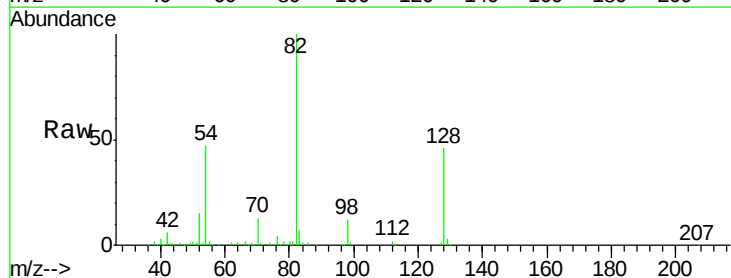
Ion Ratio Lower Upper

70 100

42 46.2 44.5 66.7

101 0.0 7.4 11.2#

130 2.4 15.3 22.9#

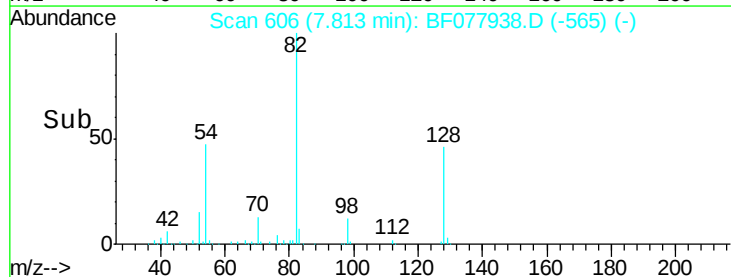
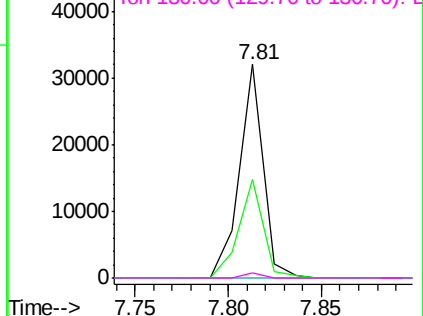


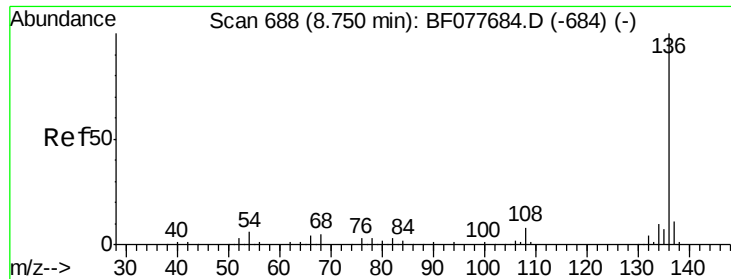
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

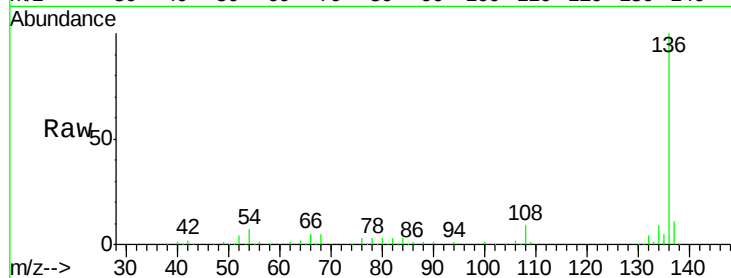




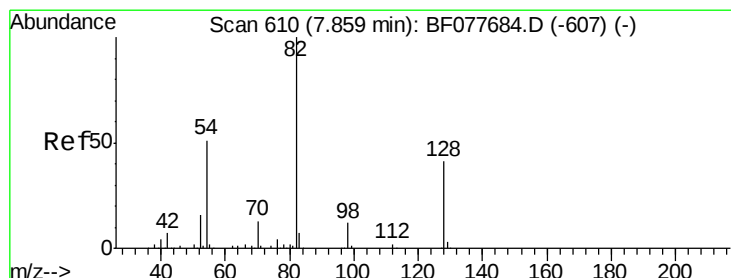
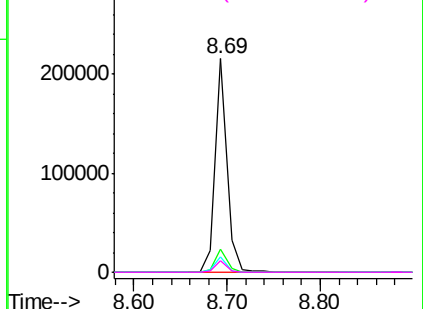
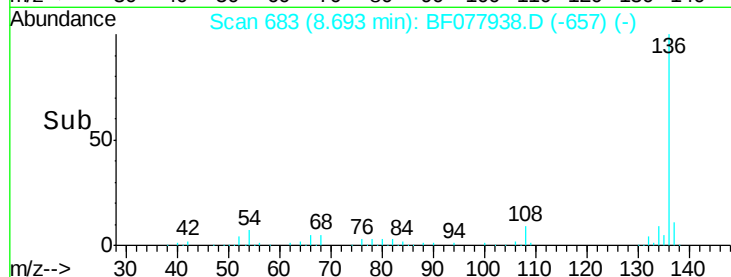
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.69 min Scan# 683
Delta R.T. -0.00 min
Lab File: BF077938.D
Acq: 25 Mar 2015 6:00

Instrument :
BNA_F
ClientSampleId :
SB-16-2

Tgt Ion: 136 Resp: 188744
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 7.1 4.6 6.8#
68 5.4 3.7 5.5

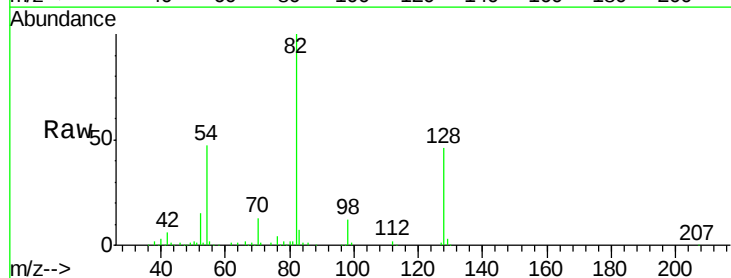


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

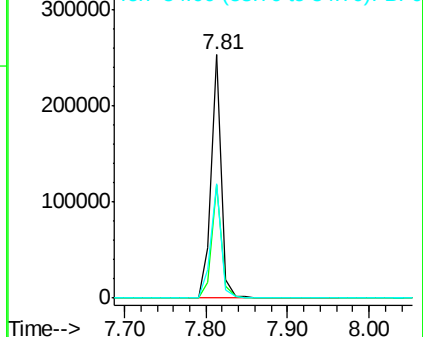
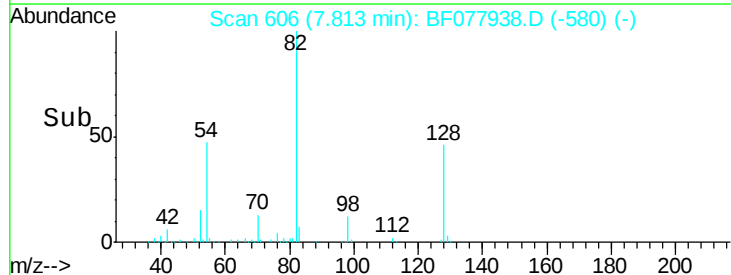


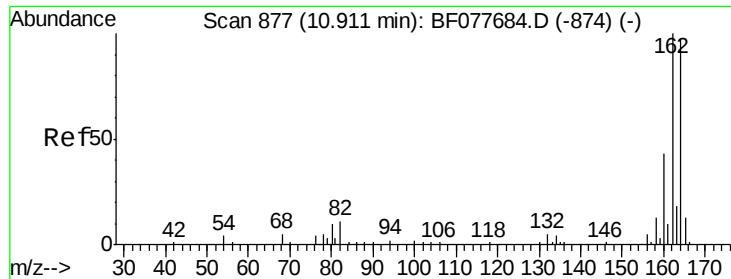
#23
Nitrobenzene-d5
Concen: 78.99 ng
RT: 7.81 min Scan# 606
Delta R.T. -0.00 min
Lab File: BF077938.D
Acq: 25 Mar 2015 6:00

Tgt Ion: 82 Resp: 227446
Ion Ratio Lower Upper
82 100
128 46.3 32.8 49.2
54 47.1 40.6 60.8



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

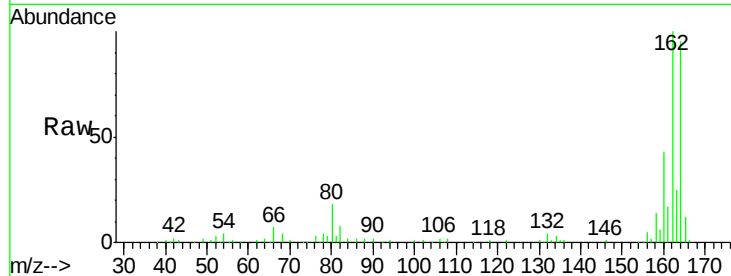




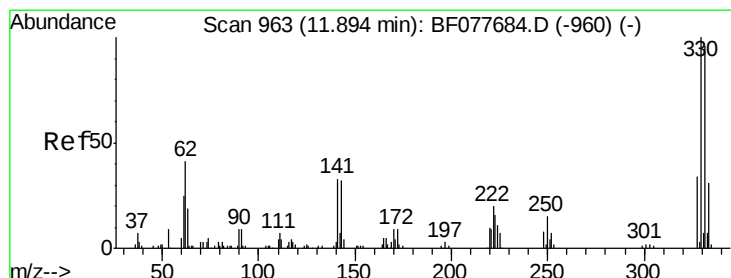
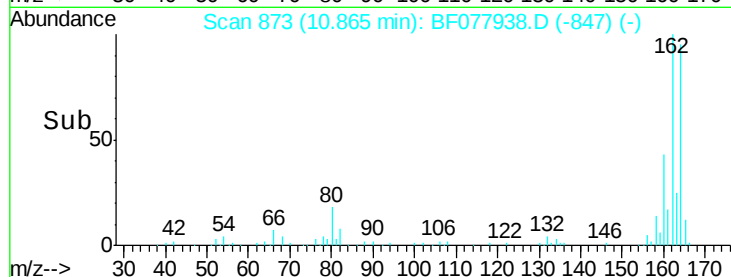
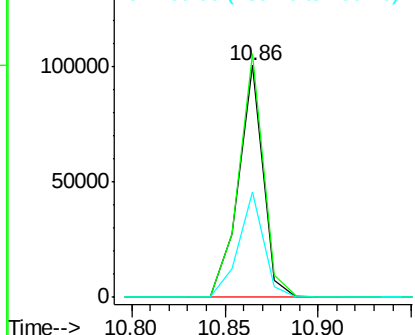
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.86 min Scan# 873
Delta R.T. -0.00 min
Lab File: BF077938.D
Acq: 25 Mar 2015 6:00

Instrument :
BNA_F
ClientSampleId :
SB-16-2

Tgt Ion:164 Resp: 92946
Ion Ratio Lower Upper
164 100
162 105.0 82.4 123.6
160 45.6 35.8 53.6

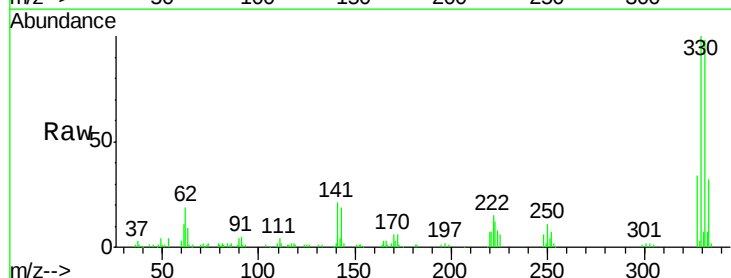


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

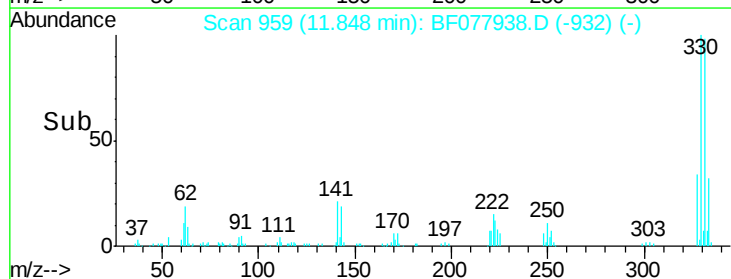
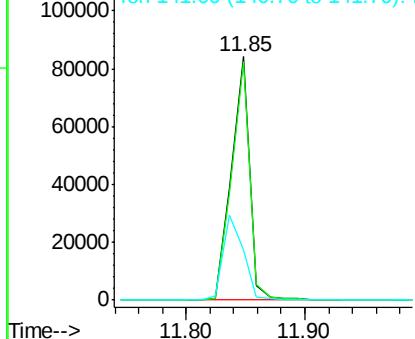


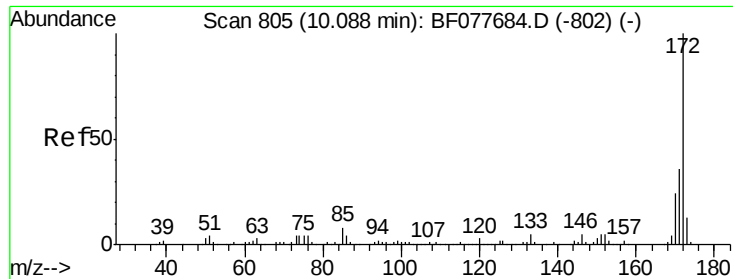
#41
2,4,6-Tribromophenol
Concen: 101.14 ng
RT: 11.85 min Scan# 959
Delta R.T. 0.01 min
Lab File: BF077938.D
Acq: 25 Mar 2015 6:00

Tgt Ion:330 Resp: 89943
Ion Ratio Lower Upper
330 100
332 97.5 0.0 0.0#
141 38.0 0.0 0.0#



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

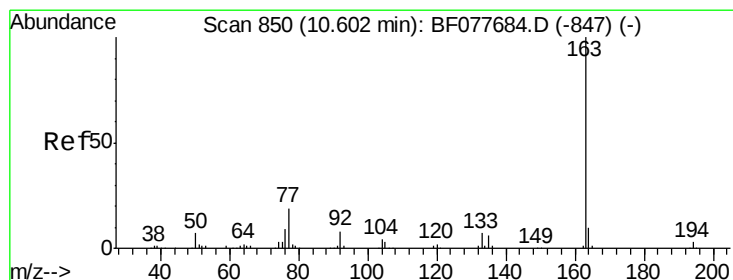
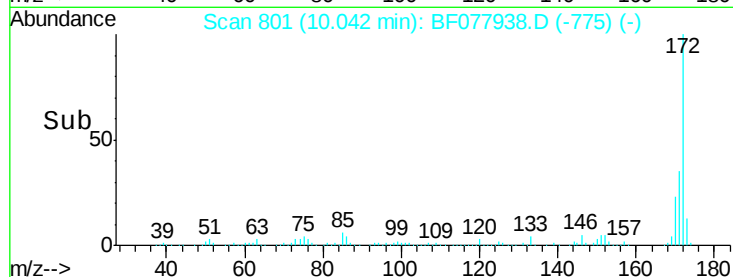
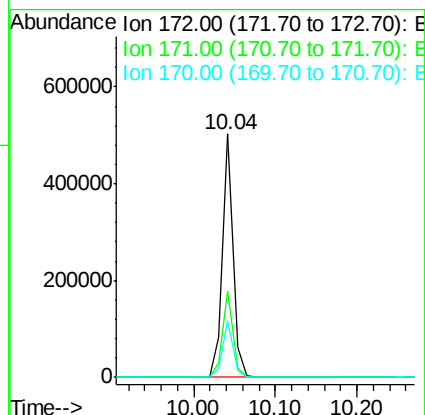
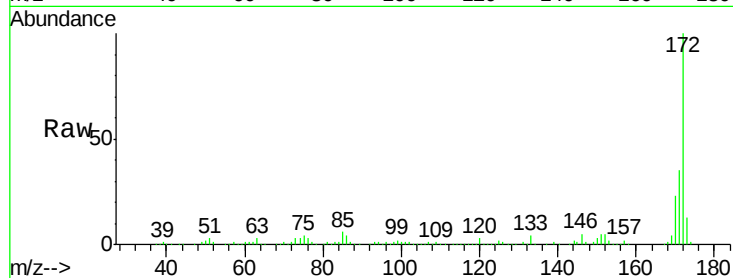




#44
 2-Fluorobiphenyl
 Concen: 70.89 ng
 RT: 10.04 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: BF077938.D
 Acq: 25 Mar 2015 6:00

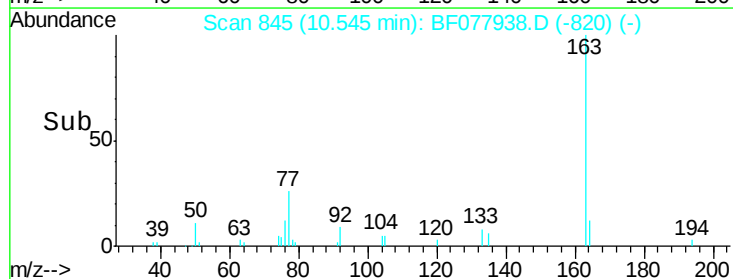
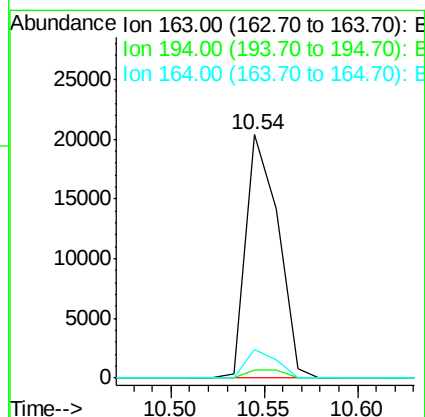
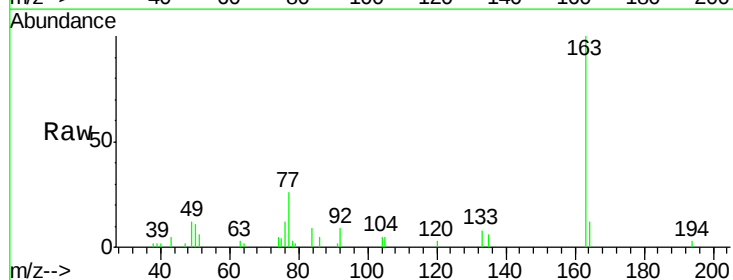
Instrument :
 BNA_F
 ClientSampleId :
 SB-16-2

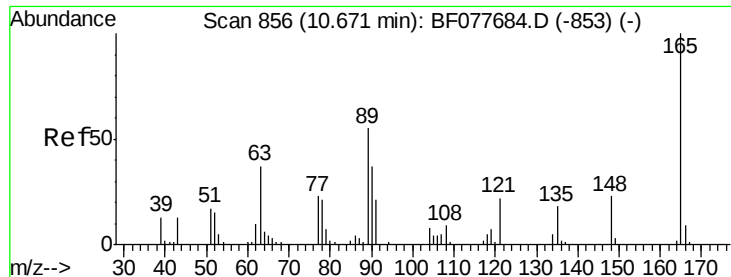
Tgt Ion:172 Resp: 448352
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.5 42.7
 170 23.3 18.8 28.2



#49
 Dimethylphthalate
 Concen: 3.55 ng
 RT: 10.54 min Scan# 845
 Delta R.T. -0.01 min
 Lab File: BF077938.D
 Acq: 25 Mar 2015 6:00

Tgt Ion:163 Resp: 24475
 Ion Ratio Lower Upper
 163 100
 194 3.3 2.7 4.1
 164 11.7 8.2 12.2

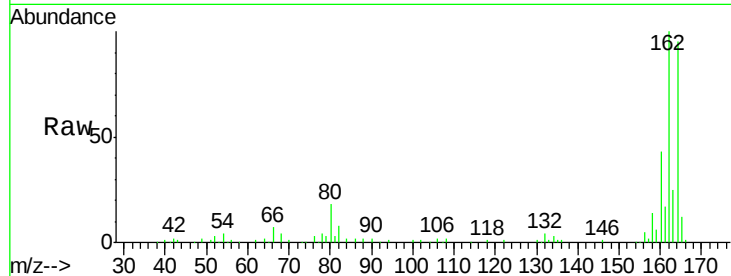




#50
 2,6-Dinitrotoluene
 Concen: 8.54 ng
 RT: 10.86 min Scan# 873
 Delta R.T. 0.24 min
 Lab File: BF077938.D
 Acq: 25 Mar 2015 6:00

Instrument :
 BNA_F
 ClientSampleId :
 SB-16-2

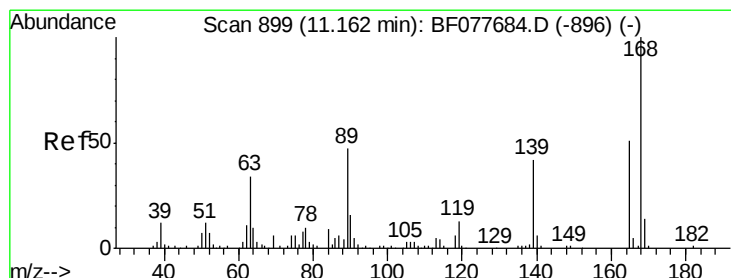
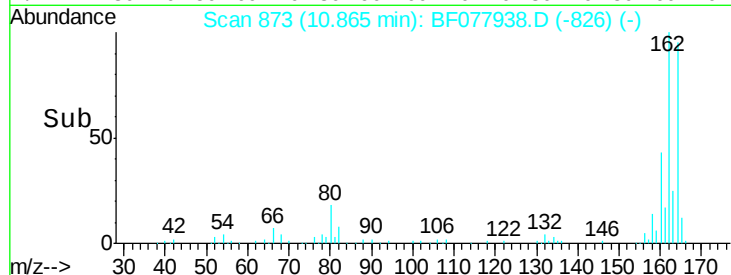
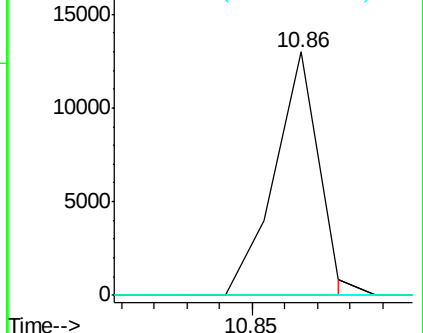
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.1	66.1#
89	0.0	44.3	66.5#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.55 ng
 RT: 10.86 min Scan# 873
 Delta R.T. -0.25 min
 Lab File: BF077938.D
 Acq: 25 Mar 2015 6:00

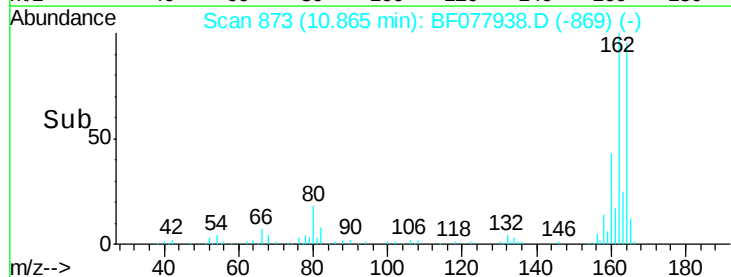
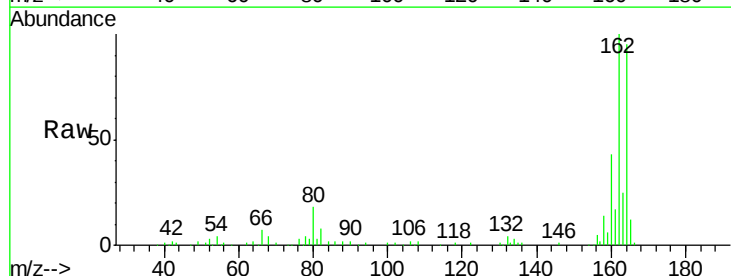
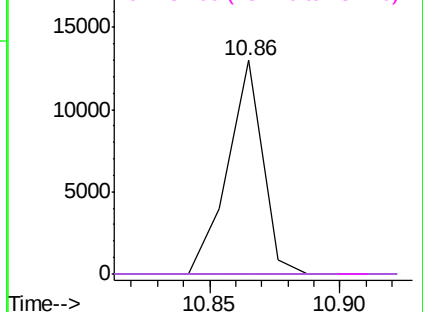
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.4	78.6#
89	0.0	72.4	108.6#
182	0.0	2.0	3.0#

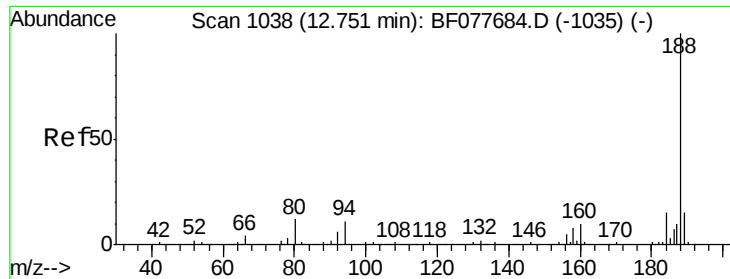
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

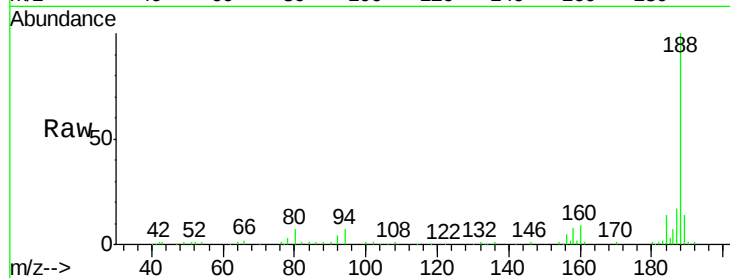




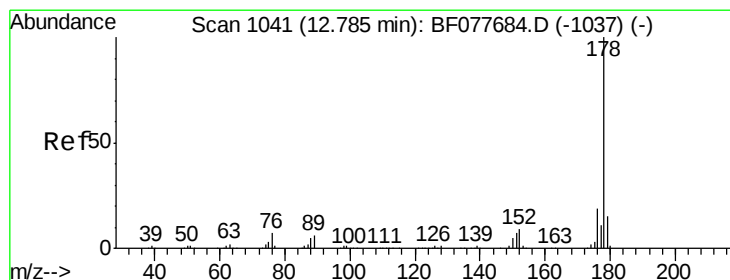
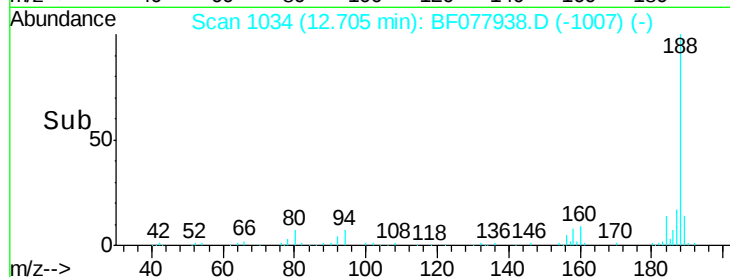
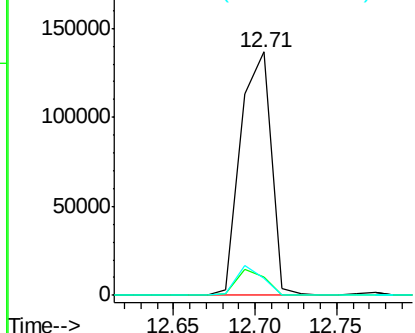
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.71 min Scan# 1034
Delta R.T. 0.01 min
Lab File: BF077938.D
Acq: 25 Mar 2015 6:00

Instrument :
BNA_F
ClientSampleId :
SB-16-2

Tgt Ion:188 Resp: 177327
Ion Ratio Lower Upper
188 100
94 7.3 8.7 13.1#
80 7.2 9.3 13.9#

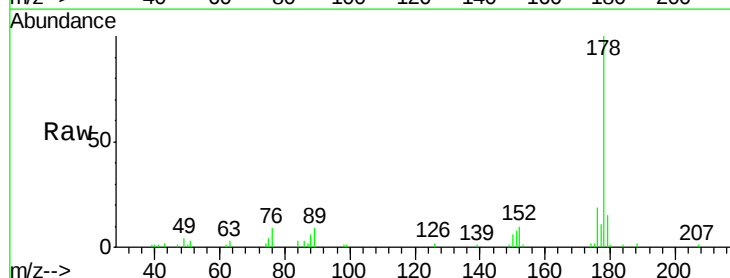


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

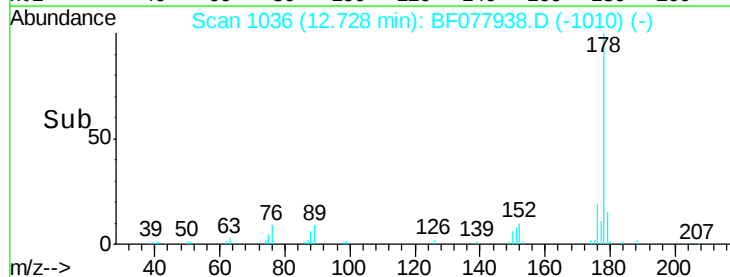
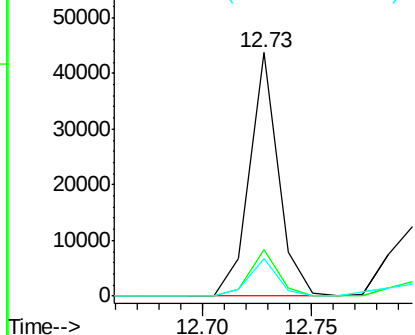


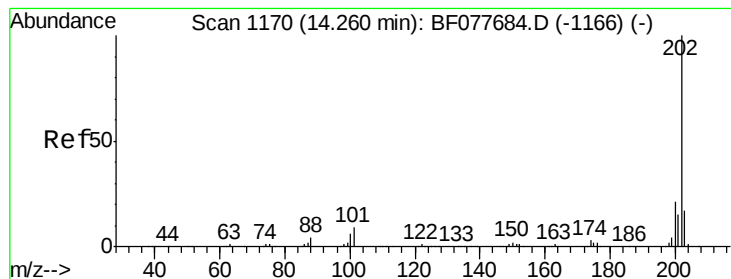
#70
Phenanthrene
Concen: 3.97 ng
RT: 12.73 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BF077938.D
Acq: 25 Mar 2015 6:00

Tgt Ion:178 Resp: 40403
Ion Ratio Lower Upper
178 100
176 18.9 15.2 22.8
179 15.3 12.1 18.1



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: 8.16 ng

RT: 14.20 min Scan# 1165

Delta R.T. -0.00 min

Lab File: BF077938.D

Acq: 25 Mar 2015 6:00

Instrument :

BNA_F

ClientSampleId :

SB-16-2

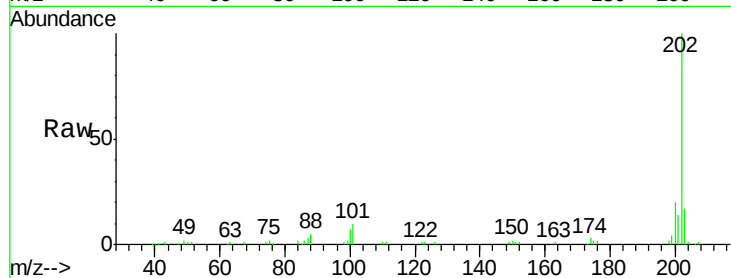
Tgt Ion: 202 Resp: 91618

Ion Ratio Lower Upper

202 100

101 10.2 0.0 28.7

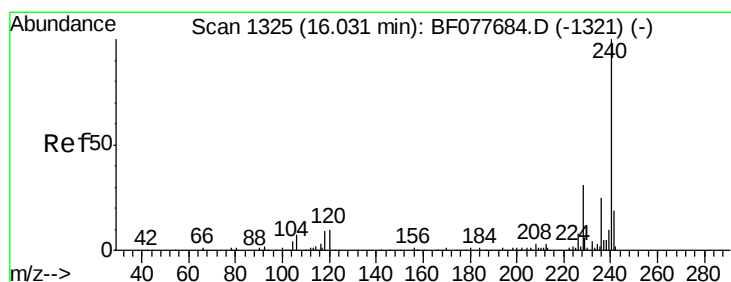
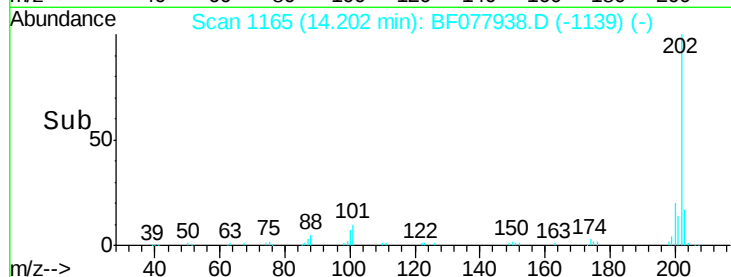
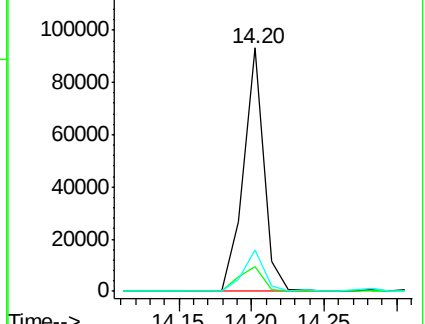
203 16.7 0.0 37.2



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: 20.00 ng

RT: 16.00 min Scan# 1322

Delta R.T. 0.01 min

Lab File: BF077938.D

Acq: 25 Mar 2015 6:00

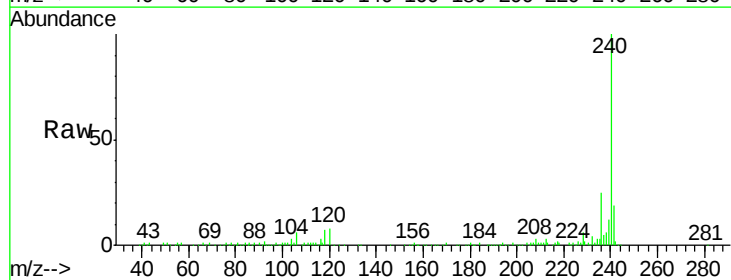
Tgt Ion: 240 Resp: 194288

Ion Ratio Lower Upper

240 100

120 7.8 8.2 12.2#

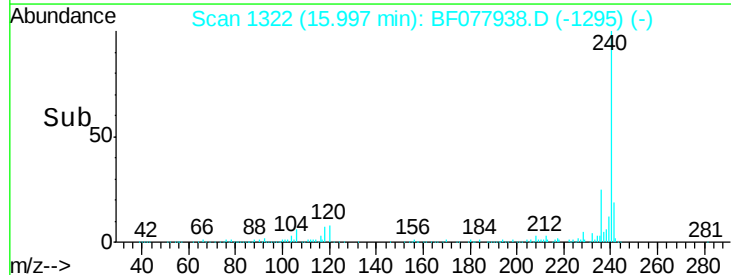
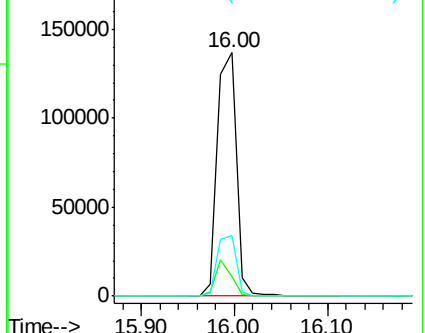
236 25.0 20.0 30.0

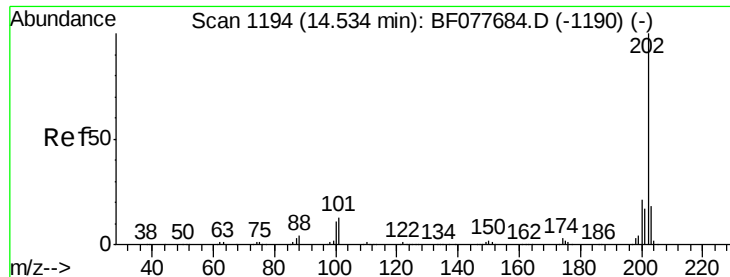


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

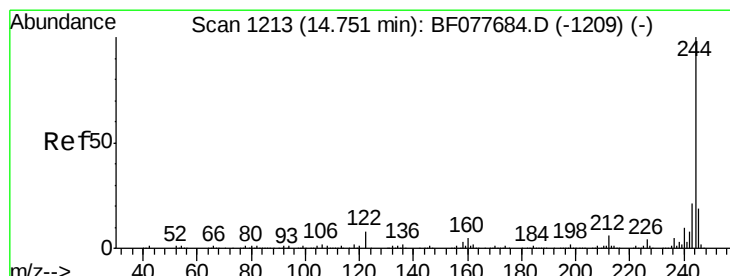
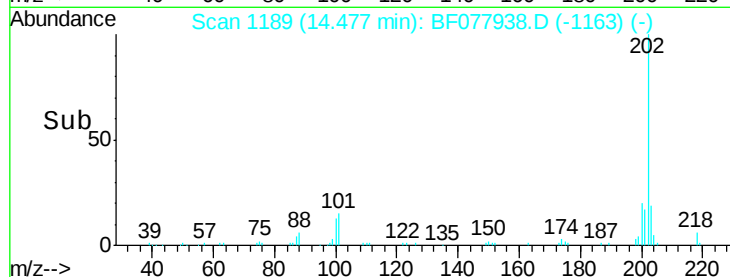
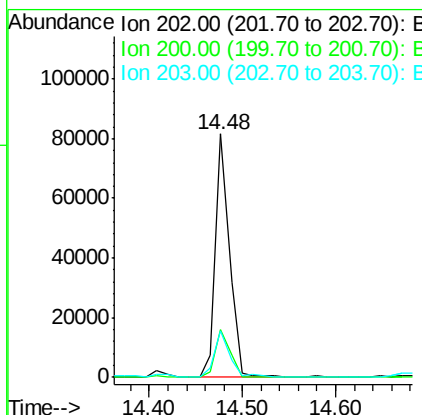
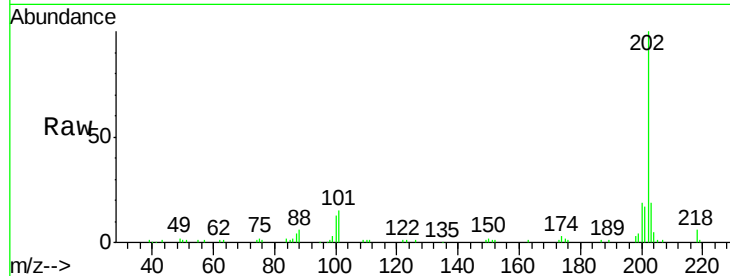




#77
 Pyrene
 Concen: 7.04 ng
 RT: 14.48 min Scan# 1189
 Delta R.T. -0.00 min
 Lab File: BF077938.D
 Acq: 25 Mar 2015 6:00

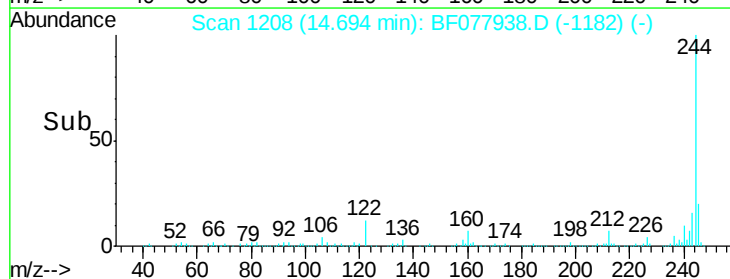
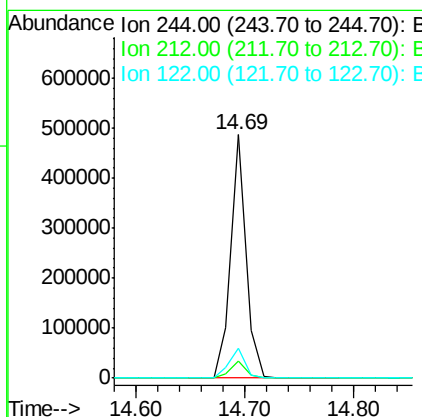
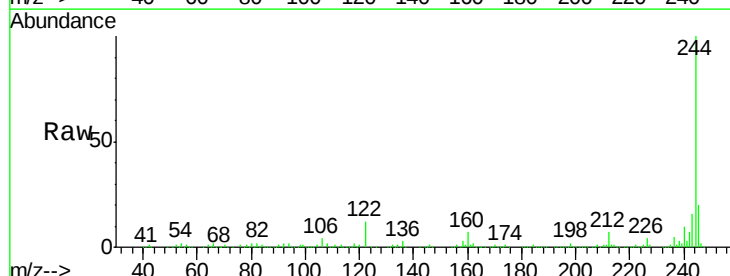
Instrument :
 BNA_F
 ClientSampleId :
 SB-16-2

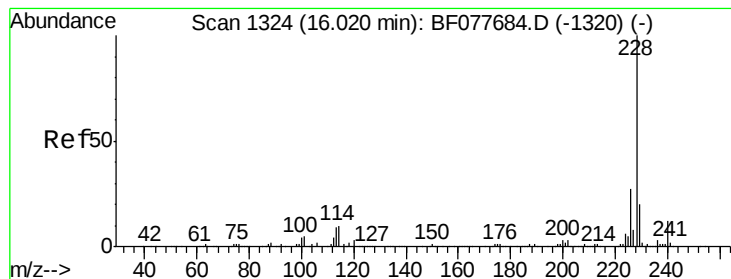
Tgt Ion: 202 Resp: 85967
 Ion Ratio Lower Upper
 202 100
 200 19.4 16.9 25.3
 203 19.2 14.1 21.1



#78
 Terphenyl-d14
 Concen: 59.63 ng
 RT: 14.69 min Scan# 1208
 Delta R.T. -0.00 min
 Lab File: BF077938.D
 Acq: 25 Mar 2015 6:00

Tgt Ion: 244 Resp: 474319
 Ion Ratio Lower Upper
 244 100
 212 7.0 4.9 7.3
 122 12.1 6.2 9.4#





#80

Benzo(a)anthracene

Concen: 5.51 ng

RT: 16.02 min Scan# 1324

Delta R.T. 0.05 min

Lab File: BF077938.D

Acq: 25 Mar 2015 6:00

Instrument :

BNA_F

ClientSampleId :

SB-16-2

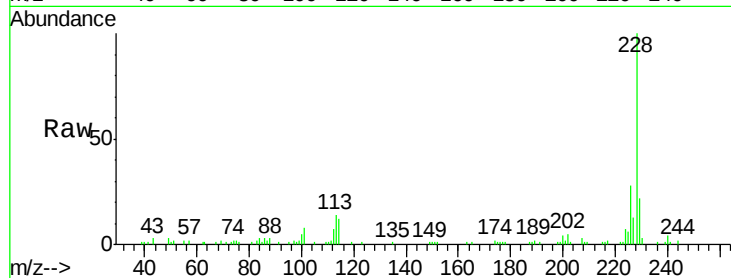
Tgt Ion:228 Resp: 63461

Ion Ratio Lower Upper

228 100

226 28.3 21.7 32.5

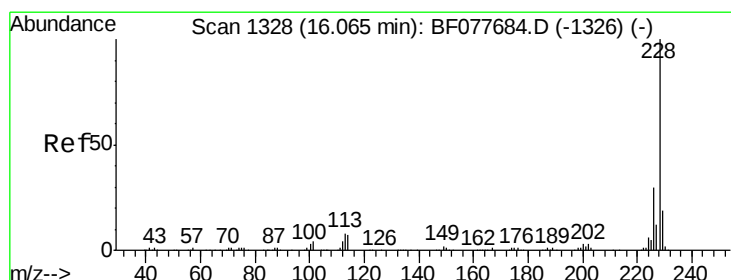
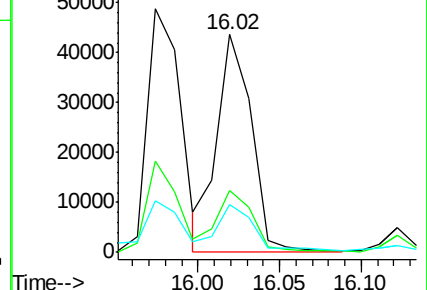
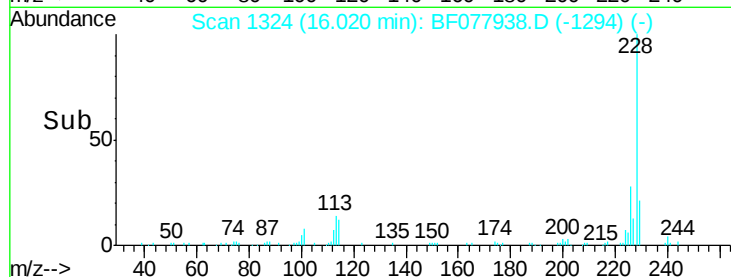
229 21.8 16.0 24.0



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: 6.13 ng

RT: 16.02 min Scan# 1324

Delta R.T. -0.00 min

Lab File: BF077938.D

Acq: 25 Mar 2015 6:00

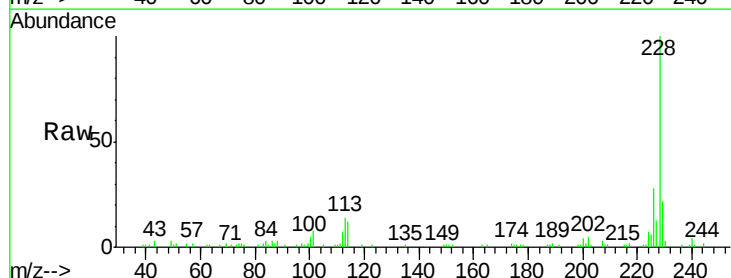
Tgt Ion:228 Resp: 63461

Ion Ratio Lower Upper

228 100

226 28.3 24.1 36.1

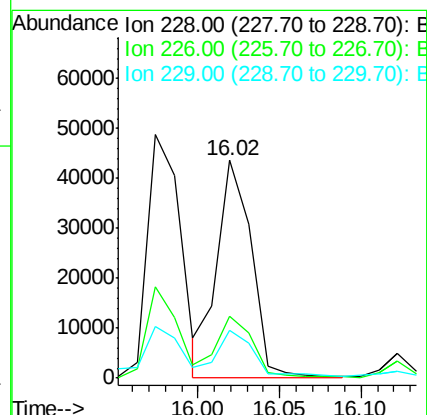
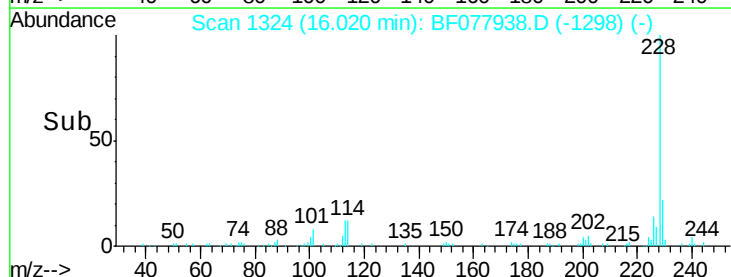
229 21.8 15.5 23.3

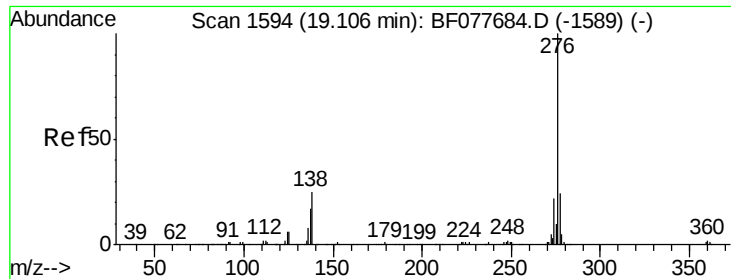


Abundance Ion 228.00 (227.70 to 228.70): E

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: 3.61 ng

RT: 19.16 min Scan# 1599

Delta R.T. 0.05 min

Lab File: BF077938.D

Acq: 25 Mar 2015 6:00

Instrument :

BNA_F

ClientSampleId :

SB-16-2

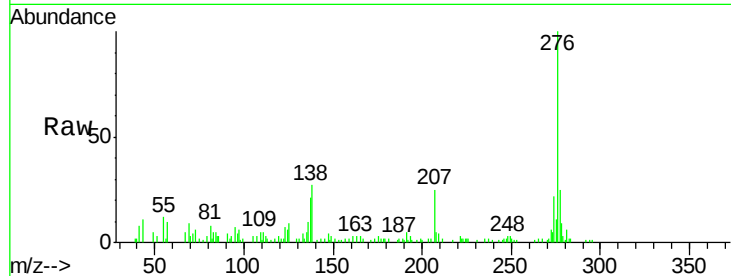
Tgt Ion:276 Resp: 46636

Ion Ratio Lower Upper

276 100

138 26.2 0.0 0.0#

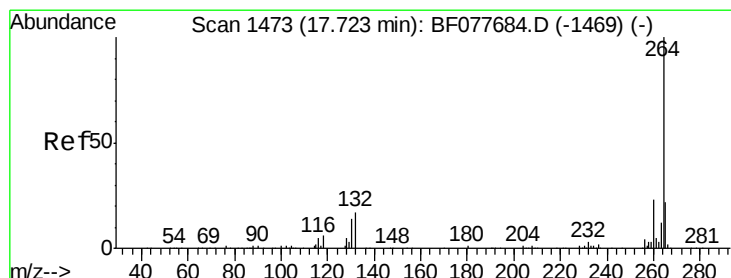
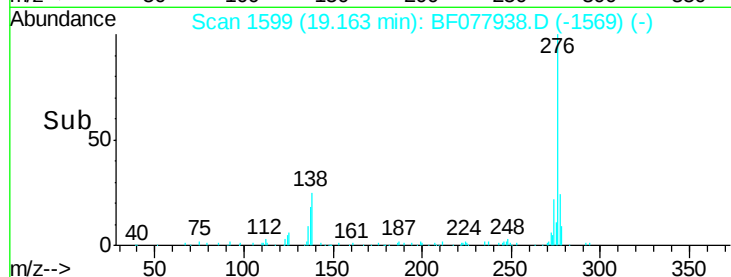
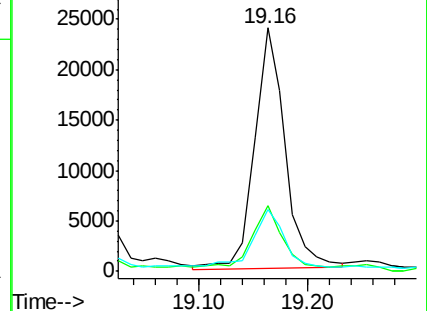
277 26.6 0.0 0.0#



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: 20.00 ng

RT: 17.78 min Scan# 1478

Delta R.T. 0.03 min

Lab File: BF077938.D

Acq: 25 Mar 2015 6:00

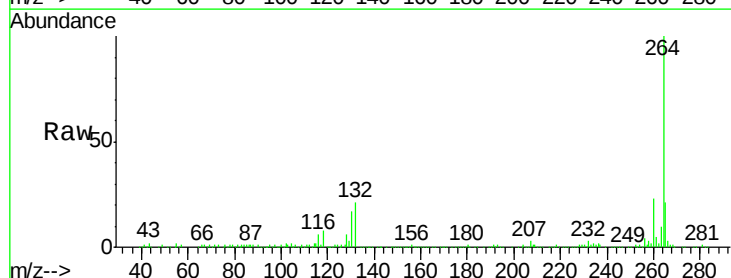
Tgt Ion:264 Resp: 192961

Ion Ratio Lower Upper

264 100

260 23.3 18.6 27.8

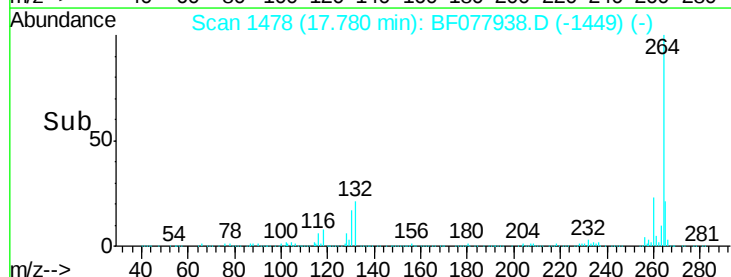
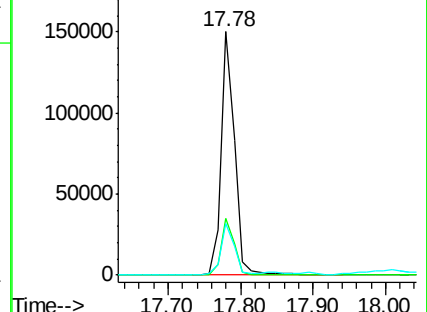
265 21.2 17.3 25.9

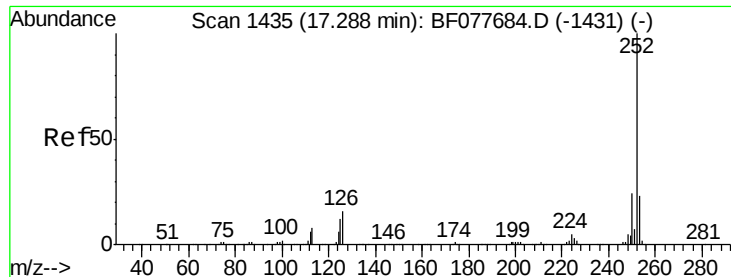


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 10.76 ng

RT: 17.32 min Scan# 1438

Delta R.T. 0.03 min

Lab File: BF077938.D

Acq: 25 Mar 2015 6:00

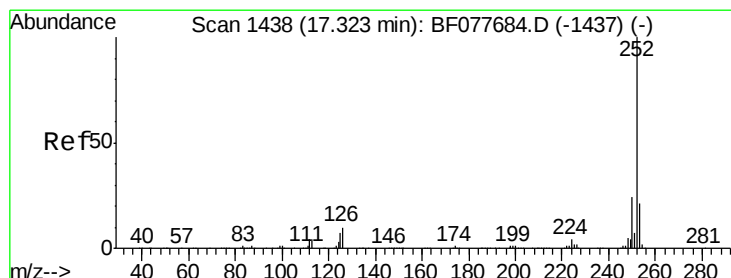
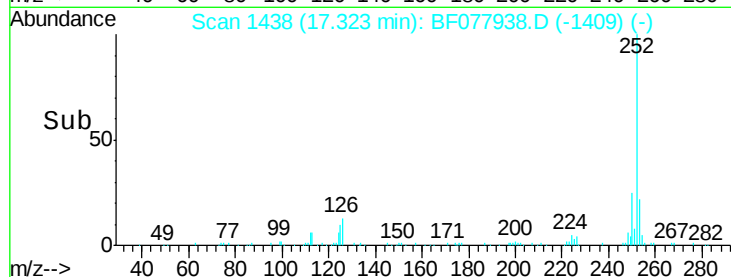
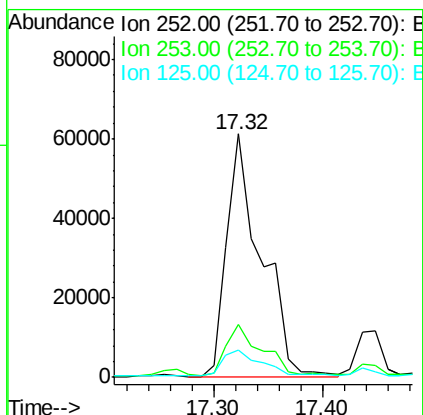
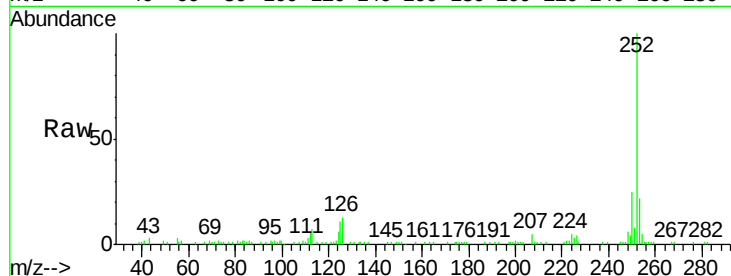
Instrument :

BNA_F

ClientSampleId :

SB-16-2

Tgt Ion:	252	Resp:	135545
Ion Ratio	Lower	Upper	
252	100		
253	21.8	18.0	27.0
125	11.4	9.9	14.9



#88

Benzo(k)fluoranthene

Concen: 13.78 ng

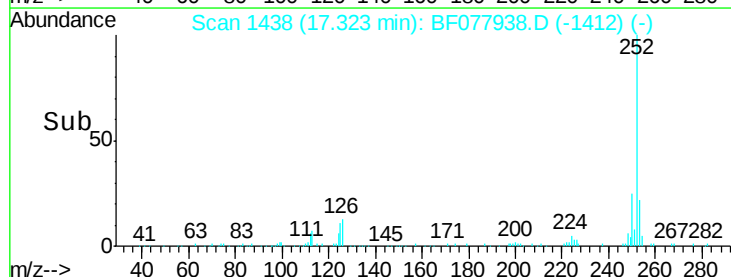
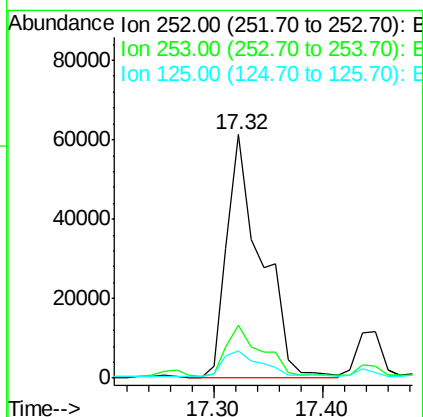
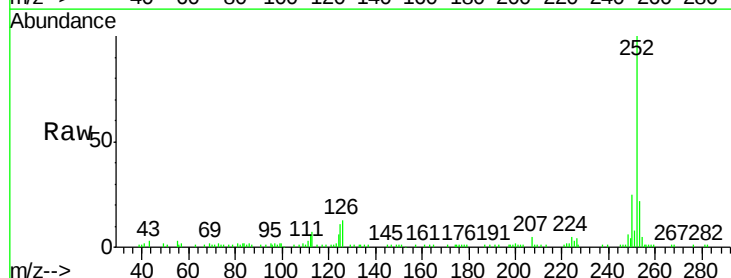
RT: 17.32 min Scan# 1438

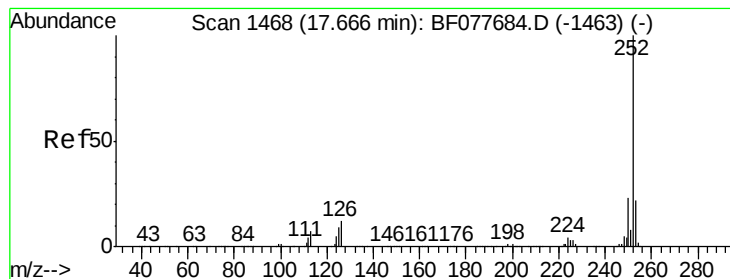
Delta R.T. -0.00 min

Lab File: BF077938.D

Acq: 25 Mar 2015 6:00

Tgt Ion:	252	Resp:	135545
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.2	25.8
125	11.4	8.1	12.1





#89

Benzo(a)pyrene

Concen: 6.71 ng

RT: 17.71 min Scan# 1472

Delta R.T. 0.03 min

Lab File: BF077938.D

Acq: 25 Mar 2015 6:00

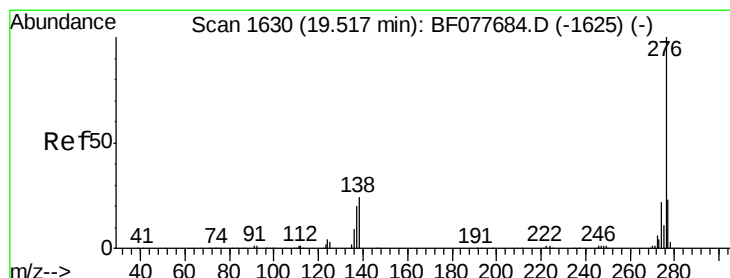
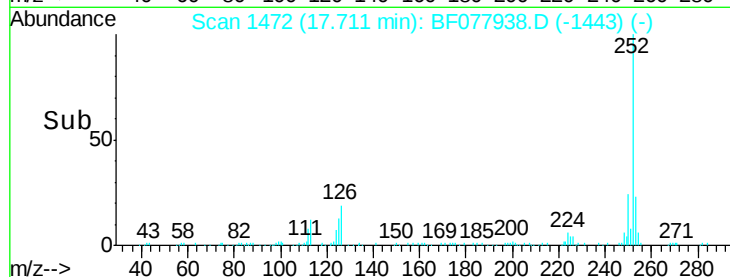
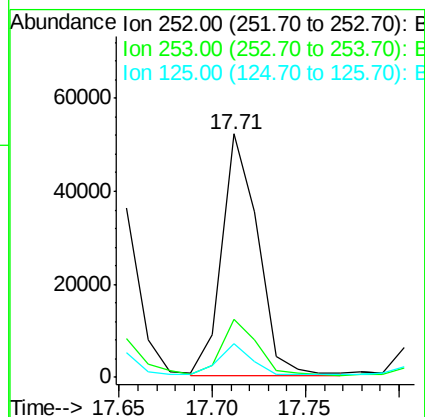
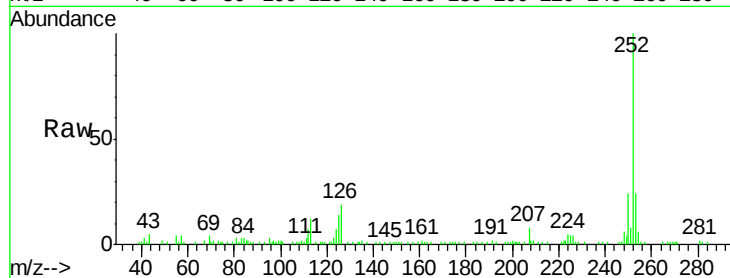
Instrument :

BNA_F

ClientSampleId :

SB-16-2

Tgt Ion:	252	Resp:	70573
Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.6	26.4
125	13.6	7.4	11.2#



#91

Benzo(g,h,i)perylene

Concen: 3.72 ng

RT: 19.56 min Scan# 1634

Delta R.T. 0.05 min

Lab File: BF077938.D

Acq: 25 Mar 2015 6:00

Tgt Ion:	276	Resp:	39470
Ion	Ratio	Lower	Upper
276	100		
277	27.0	18.5	27.7
138	28.1	19.0	28.6

