

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032415\
 Data File : BF077946.D
 Acq On : 25 Mar 2015 9:48
 Operator : TP/IZ
 Sample : G1615-09 5X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-19-1

Quant Time: Mar 25 11:23:51 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 11:05:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.12	152	38929	20.00	ng	0.00
21) Naphthalene-d8	8.69	136	164805	20.00	ng	0.00
38) Acenaphthene-d10	10.86	164	82802	20.00	ng	0.00
63) Phenanthrene-d10	12.71	188	167748	20.00	ng	0.01
75) Chrysene-d12	15.99	240	186067	20.00	ng	0.00
86) Perylene-d12	17.76	264	179955	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	54841	24.59	ng	0.01
7) Phenol-d6	6.70	99	67434	24.47	ng	0.01
23) Nitrobenzene-d5	7.81	82	37919	15.08	ng	0.00
41) 2,4,6-Tribromophenol	11.85	330	15915	20.09	ng	0.01
44) 2-Fluorobiphenyl	10.04	172	93026	16.51	ng	0.00
78) Terphenyl-d14	14.69	244	106920	14.04	ng	0.00

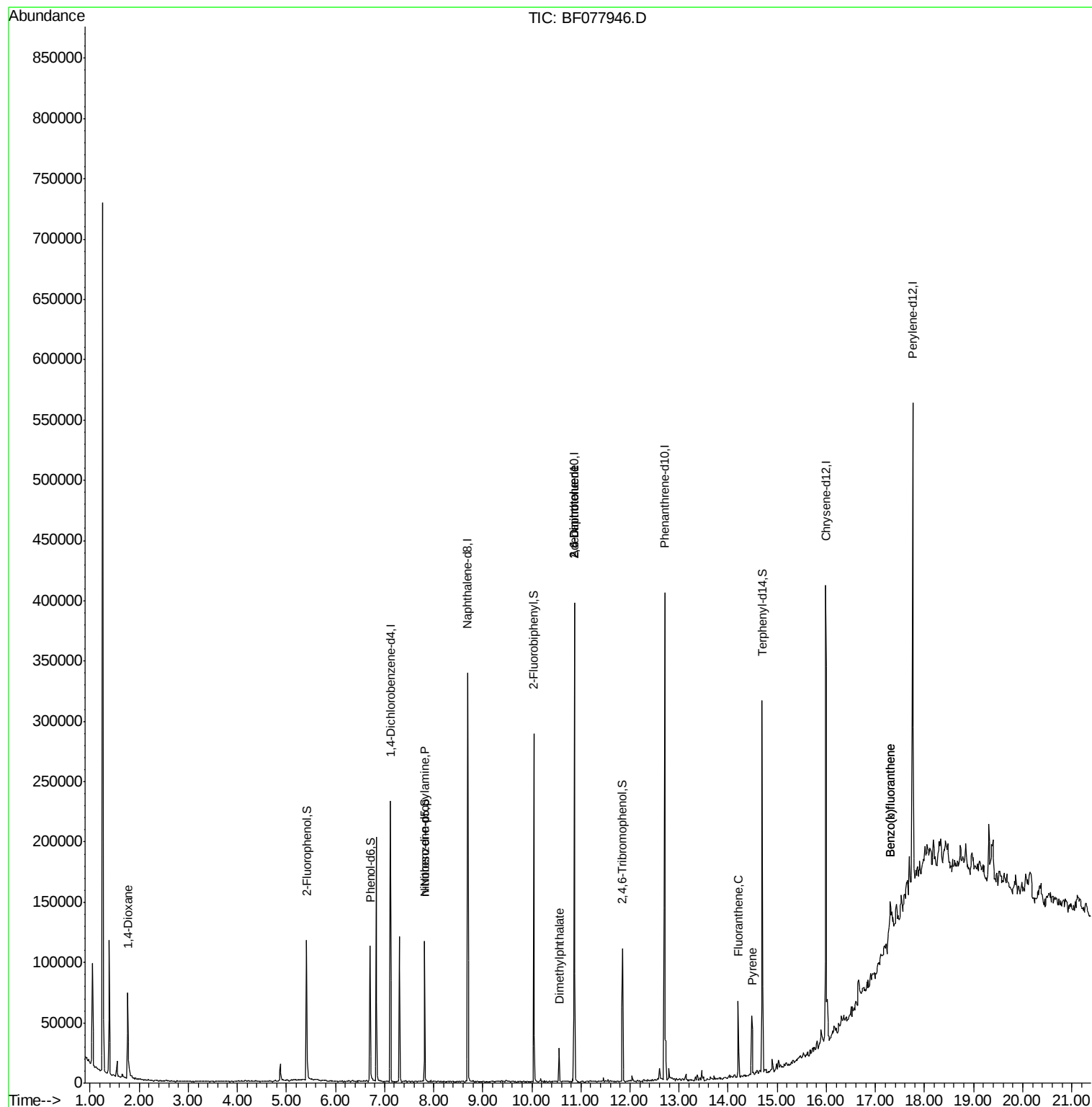
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.77	88	3116	3.08	ng	# 100
19) n-Nitroso-di-n-propylamine	7.81	70	4657	2.44	ng	# 80
49) Dimethylphthalate	10.56	163	18181	2.96	ng	98
50) 2,6-Dinitrotoluene	10.86	165	10909	8.57	ng	# 24
56) 2,4-Dinitrotoluene	10.86	165	10910	6.57	ng	# 11
74) Fluoranthene	14.20	202	28851	2.72	ng	95
77) Pyrene	14.49	202	26863	2.30	ng	98
87) Benzo(b)fluoranthene	17.30	252	24439	2.08	ng	# 92
88) Benzo(k)fluoranthene	17.30	252	24439	2.66	ng	# 88

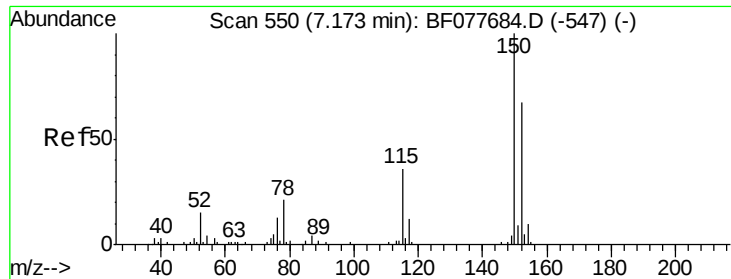
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF077946.D

Acq: 25 Mar 2015 9:48

Instrument :

BNA_F

ClientSampleId :

SB-19-1

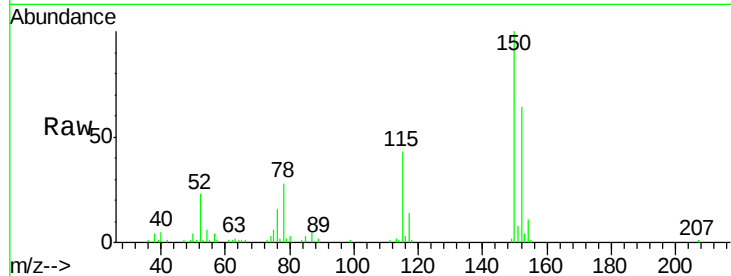
Tgt Ion:152 Resp: 38929

Ion Ratio Lower Upper

152 100

150 156.8 119.5 179.3

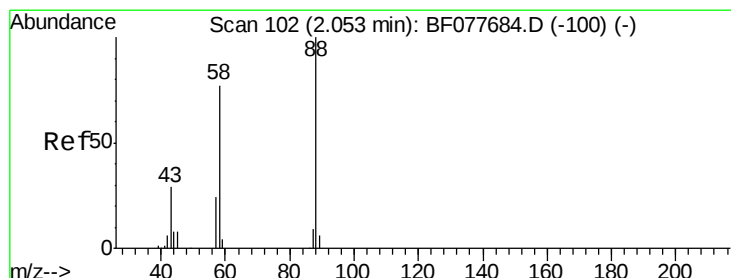
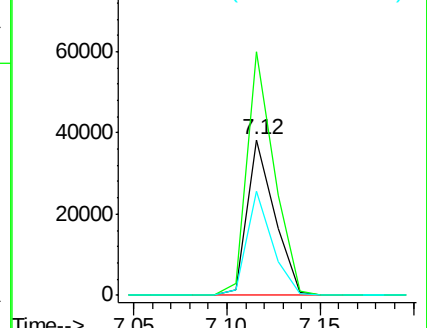
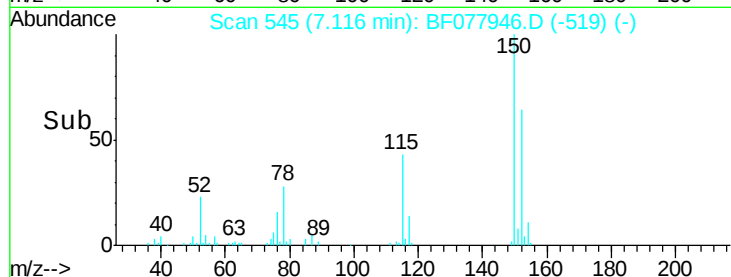
115 66.9 43.0 64.4#



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: 3.08 ng

RT: 1.77 min Scan# 77

Delta R.T. -0.22 min

Lab File: BF077946.D

Acq: 25 Mar 2015 9:48

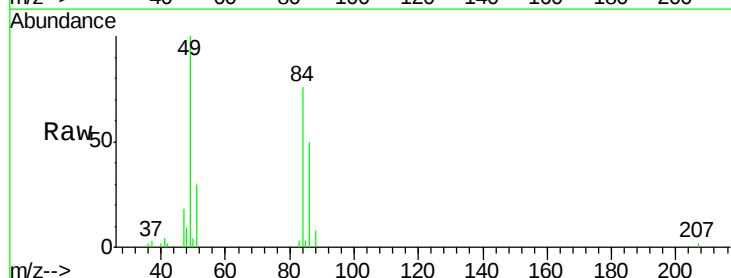
Tgt Ion: 88 Resp: 3116

Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

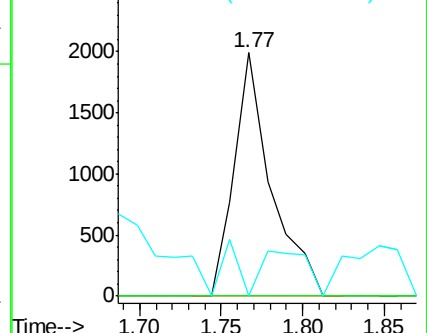
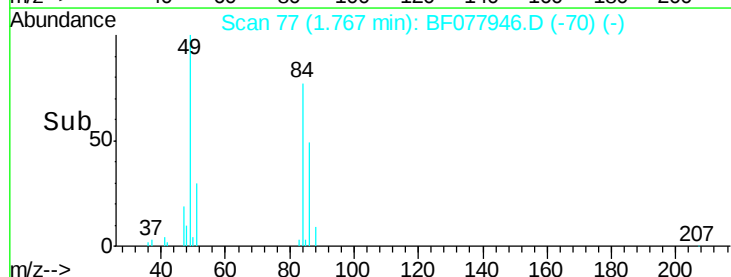
43 23.3 0.0 0.0#

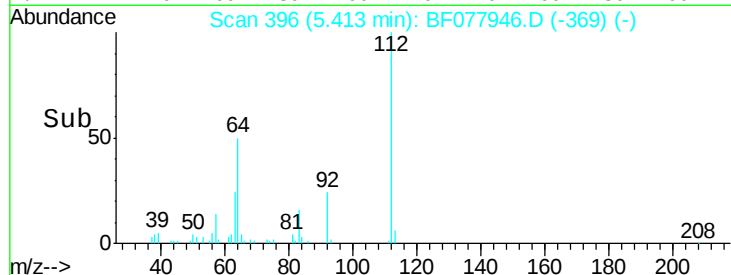
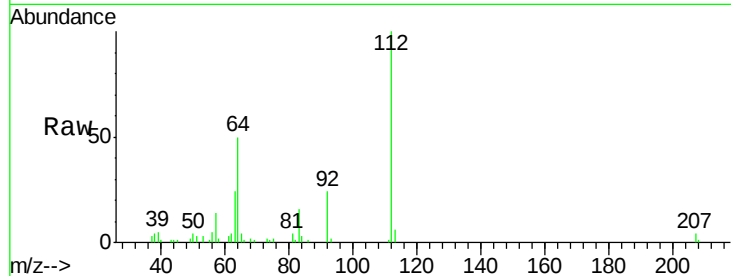
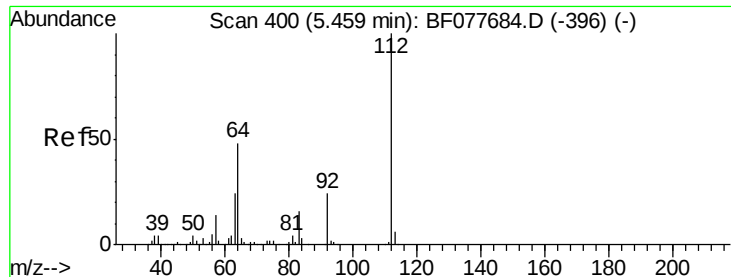


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 24.59 ng

RT: 5.41 min Scan# 396

Delta R.T. 0.01 min

Lab File: BF077946.D

Acq: 25 Mar 2015 9:48

Instrument :

BNA_F

ClientSampleId :

SB-19-1

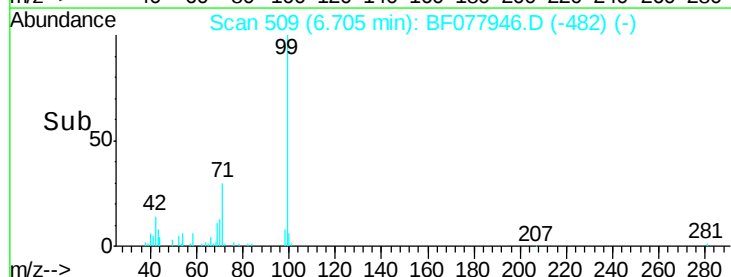
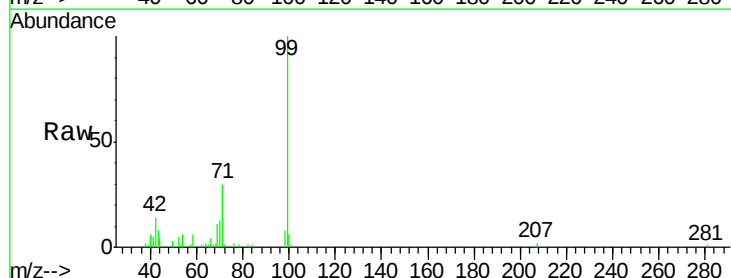
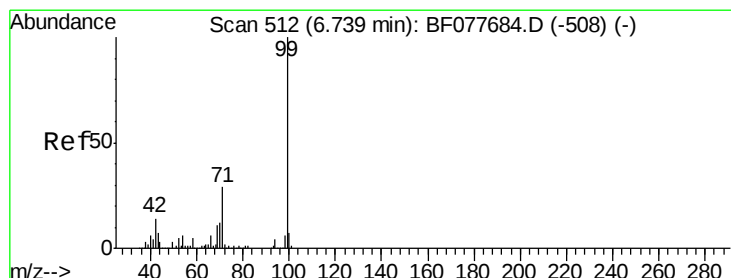
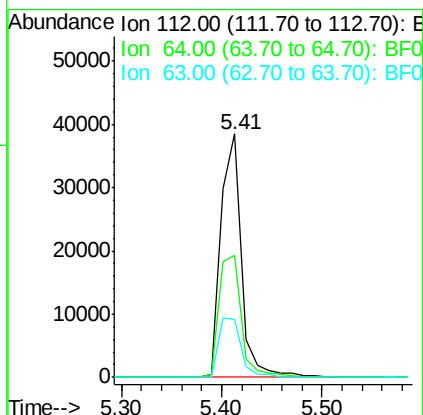
Tgt Ion: 112 Resp: 54841

Ion Ratio Lower Upper

112 100

64 50.0 38.6 57.8

63 23.9 19.3 28.9



#7

Phenol-d6

Concen: 24.47 ng

RT: 6.70 min Scan# 509

Delta R.T. 0.01 min

Lab File: BF077946.D

Acq: 25 Mar 2015 9:48

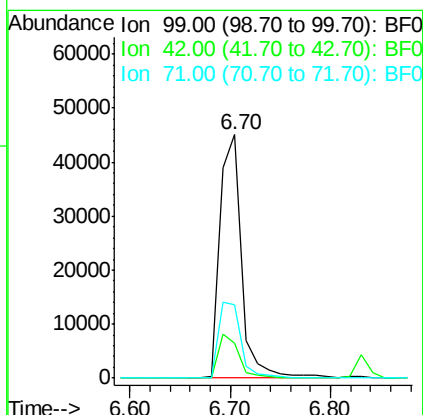
Tgt Ion: 99 Resp: 67434

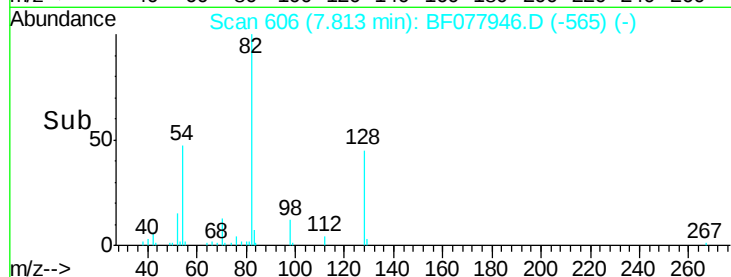
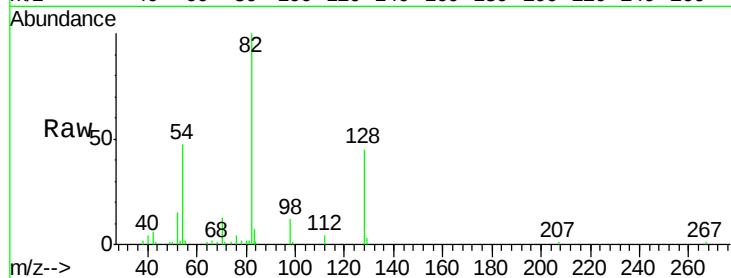
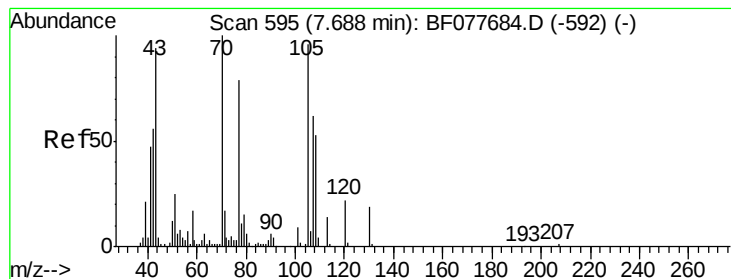
Ion Ratio Lower Upper

99 100

42 14.3 11.0 16.4

71 29.9 23.4 35.2





#19

n-Nitroso-di-n-propylamine

Concen: 2.44 ng

RT: 7.81 min Scan# 606

Delta R.T. 0.17 min

Lab File: BF077946.D

Acq: 25 Mar 2015 9:48

Instrument :

BNA_F

ClientSampleId :

SB-19-1

Tgt Ion: 70 Resp: 4657

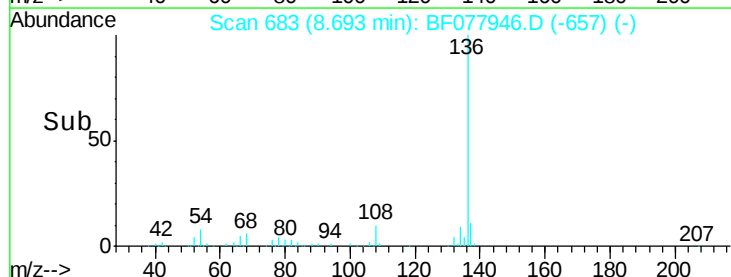
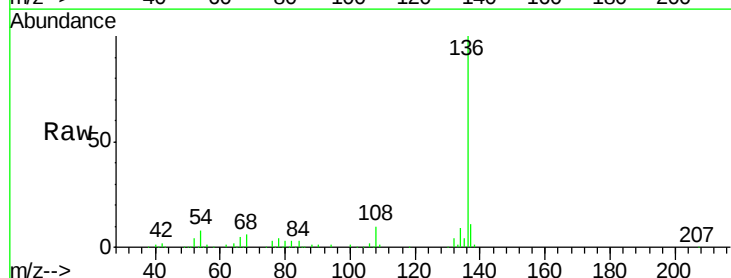
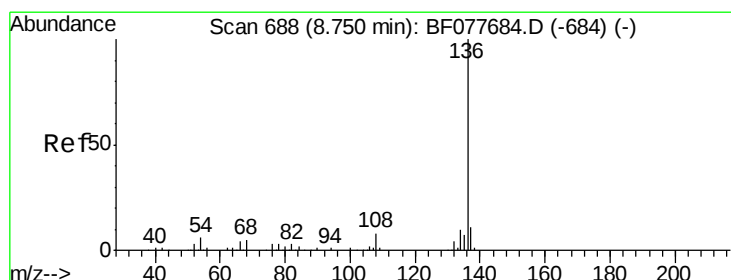
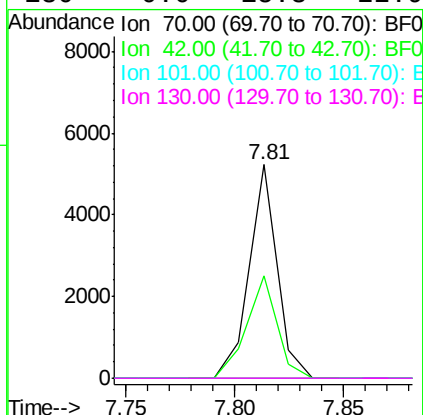
Ion Ratio Lower Upper

70 100

42 47.7 44.5 66.7

101 0.0 7.4 11.2#

130 0.0 15.3 22.9#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.69 min Scan# 683

Delta R.T. -0.00 min

Lab File: BF077946.D

Acq: 25 Mar 2015 9:48

Tgt Ion: 136 Resp: 164805

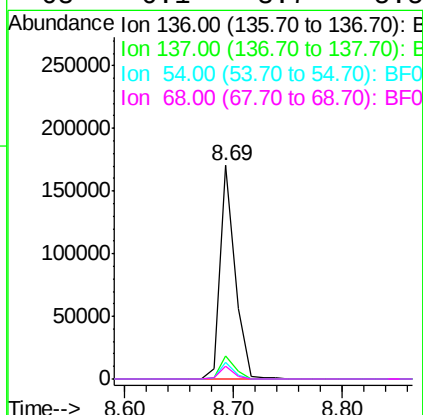
Ion Ratio Lower Upper

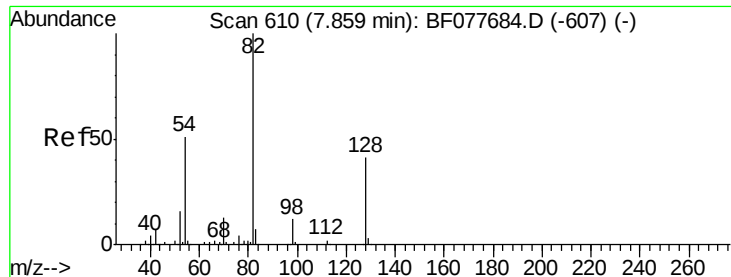
136 100

137 10.9 8.7 13.1

54 7.8 4.6 6.8#

68 6.1 3.7 5.5#

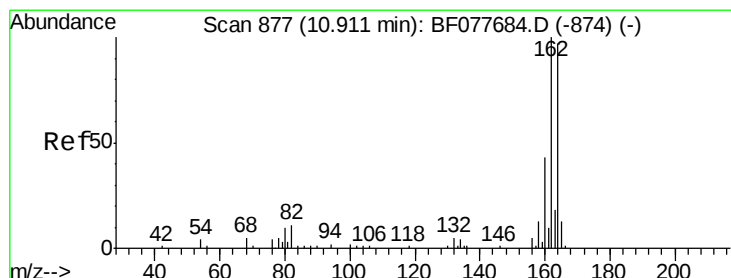
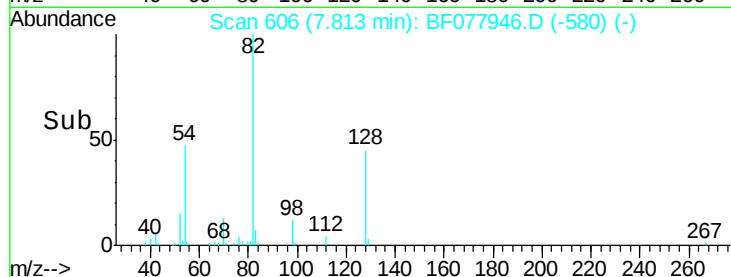
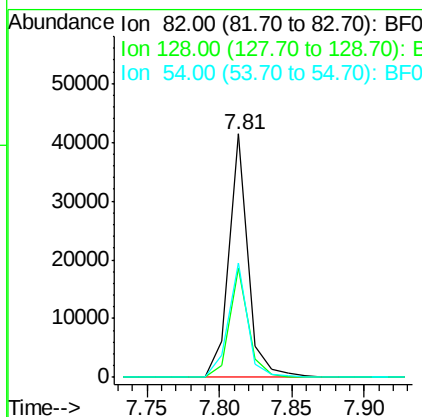
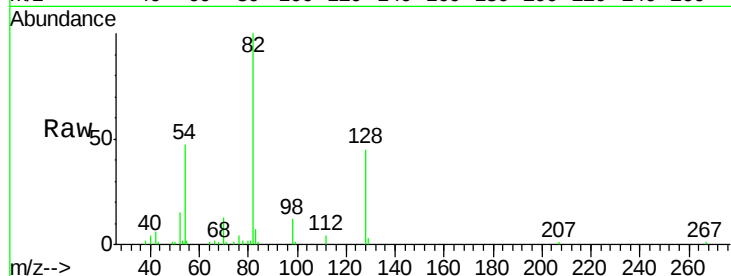




#23
 Nitrobenzene-d5
 Concen: 15.08 ng
 RT: 7.81 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: BF077946.D
 Acq: 25 Mar 2015 9:48

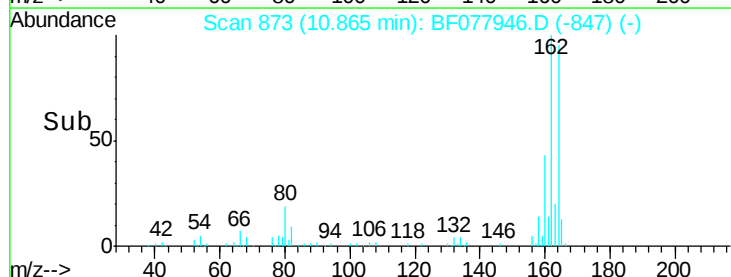
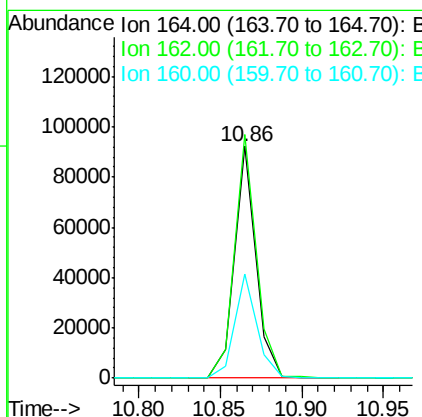
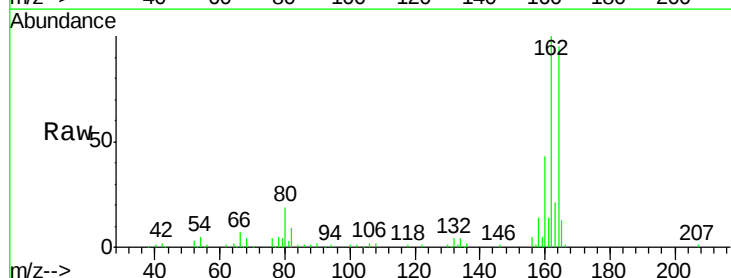
Instrument :
 BNA_F
 ClientSampleId :
 SB-19-1

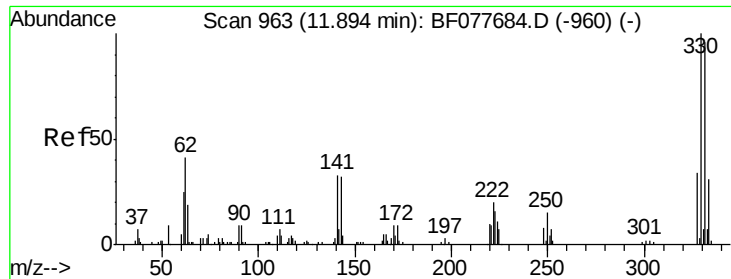
Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.1	32.8	49.2
54	47.2	40.6	60.8



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.86 min Scan# 873
 Delta R.T. -0.00 min
 Lab File: BF077946.D
 Acq: 25 Mar 2015 9:48

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.1	82.4	123.6
160	44.7	35.8	53.6





#41

2,4,6-Tribromophenol

Concen: 20.09 ng

RT: 11.85 min Scan# 959

Delta R.T. 0.01 min

Lab File: BF077946.D

Acq: 25 Mar 2015 9:48

Instrument :

BNA_F

ClientSampleId :

SB-19-1

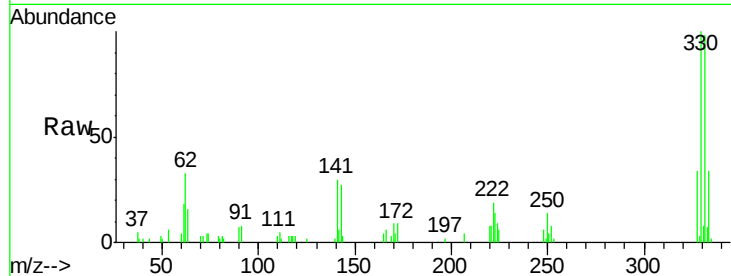
Tgt Ion:330 Resp: 15915

Ion Ratio Lower Upper

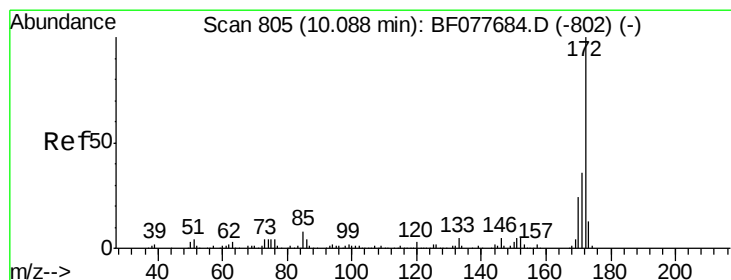
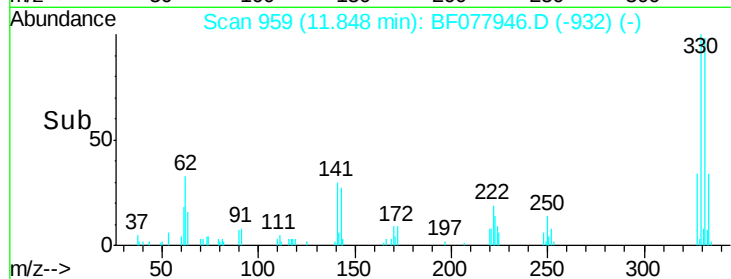
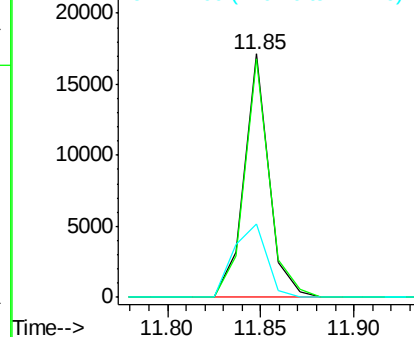
330 100

332 99.0 0.0 0.0#

141 40.3 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: 16.51 ng

RT: 10.04 min Scan# 801

Delta R.T. -0.00 min

Lab File: BF077946.D

Acq: 25 Mar 2015 9:48

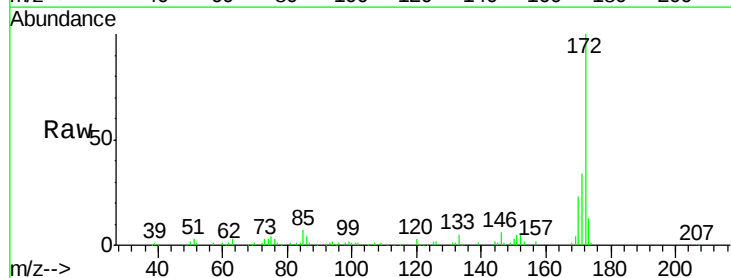
Tgt Ion:172 Resp: 93026

Ion Ratio Lower Upper

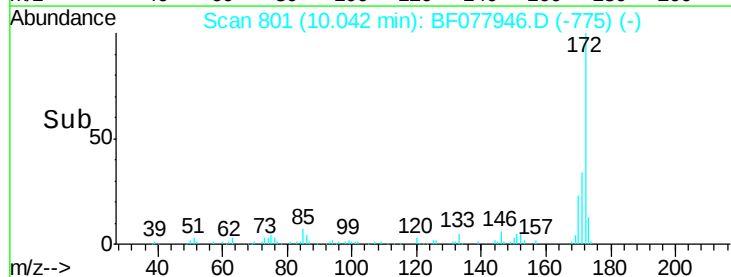
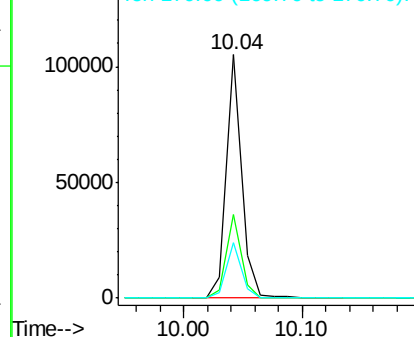
172 100

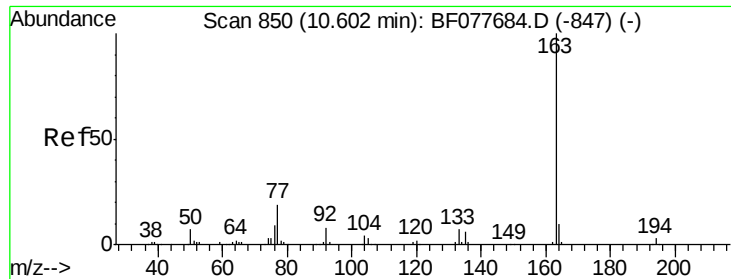
171 34.2 28.5 42.7

170 22.7 18.8 28.2



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: 2.96 ng

RT: 10.56 min Scan# 846

Delta R.T. -0.00 min

Lab File: BF077946.D

Acq: 25 Mar 2015 9:48

Instrument :

BNA_F

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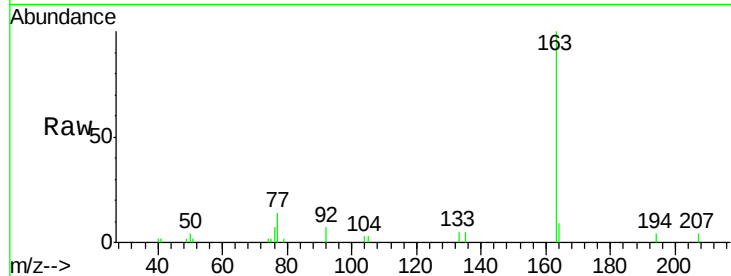
Tgt Ion:163 Resp: 18181

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

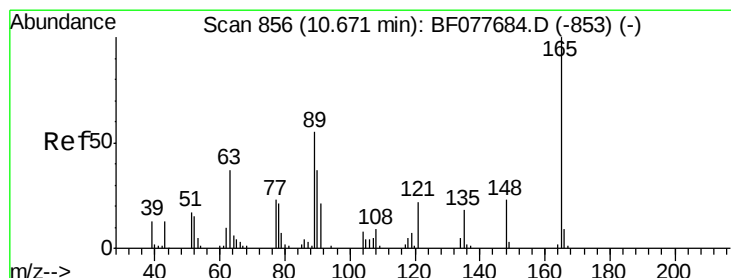
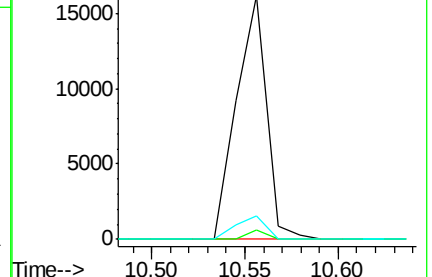
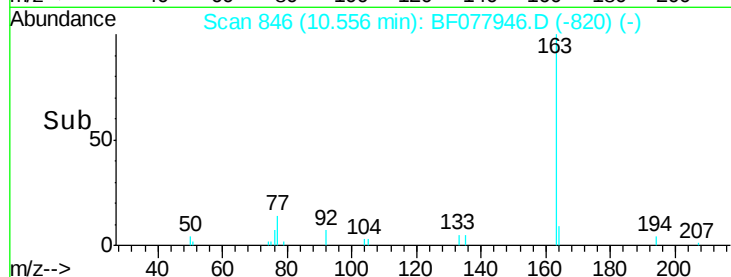
164 9.5 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 8.57 ng

RT: 10.86 min Scan# 873

Delta R.T. 0.24 min

Lab File: BF077946.D

Acq: 25 Mar 2015 9:48

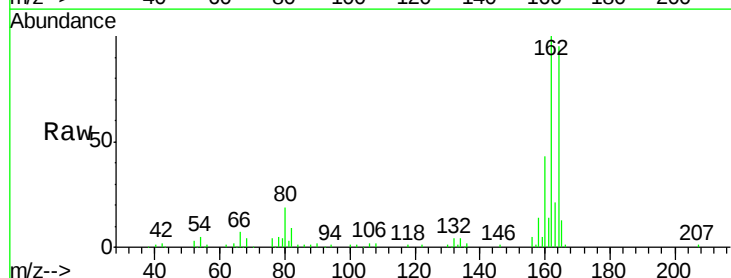
Tgt Ion:165 Resp: 10909

Ion Ratio Lower Upper

165 100

63 0.0 44.1 66.1#

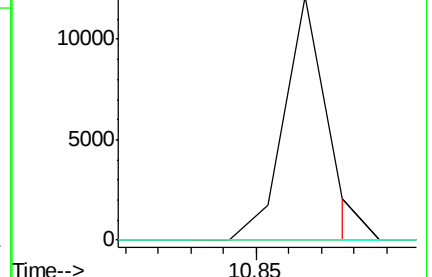
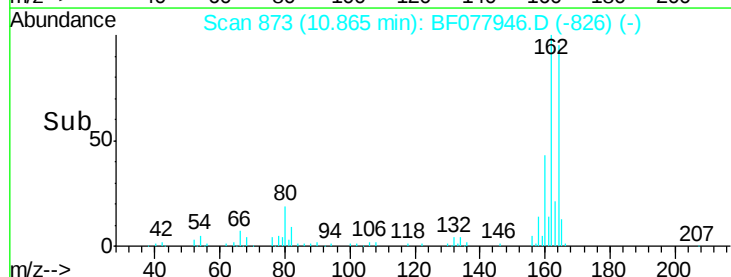
89 0.0 44.3 66.5#

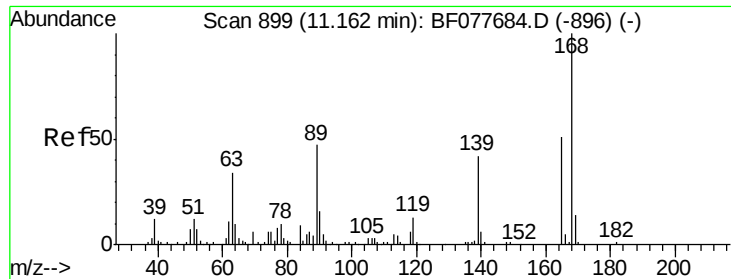


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

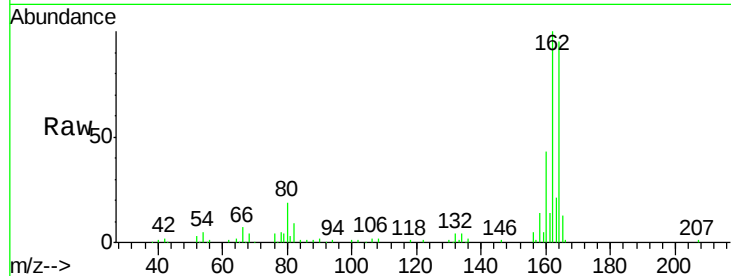




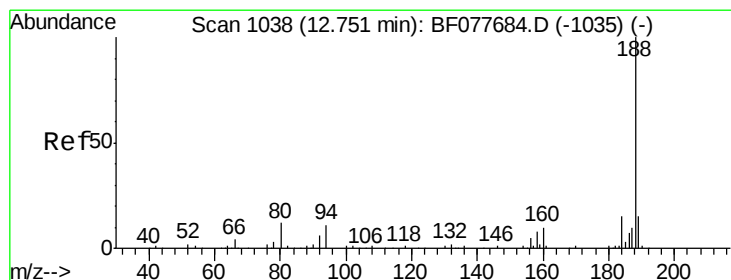
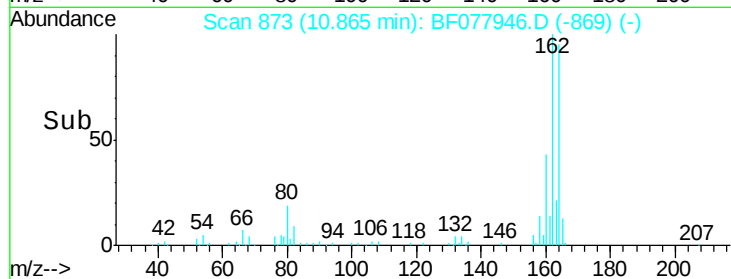
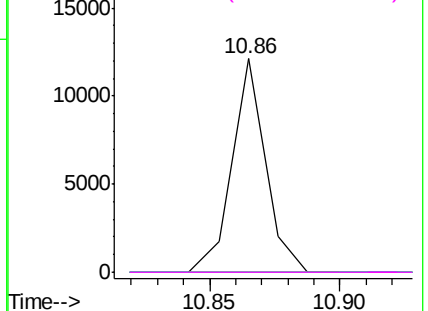
#56
 2,4-Dinitrotoluene
 Concen: 6.57 ng
 RT: 10.86 min Scan# 873
 Delta R.T. -0.25 min
 Lab File: BF077946.D
 Acq: 25 Mar 2015 9:48

Instrument :
 BNA_F
 ClientSampleId :
 SB-19-1

Tgt Ion:165 Resp: 10910
 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#

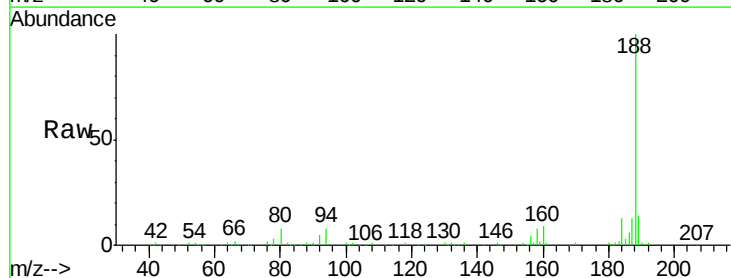


Abundance Ion 165.00 (164.70 to 165.70): E

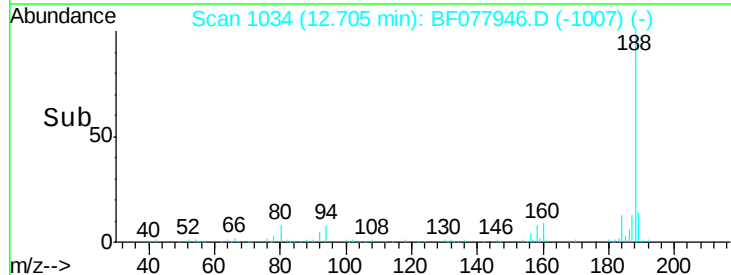
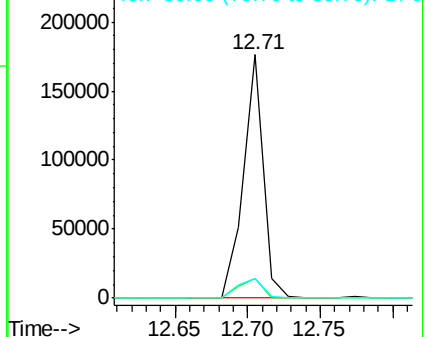


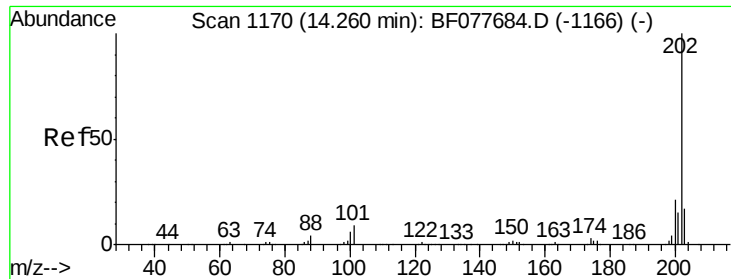
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.71 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: BF077946.D
 Acq: 25 Mar 2015 9:48

Tgt Ion:188 Resp: 167748
 Ion Ratio Lower Upper
 188 100
 94 7.8 8.7 13.1#
 80 8.2 9.3 13.9#



Abundance Ion 188.00 (187.70 to 188.70): E

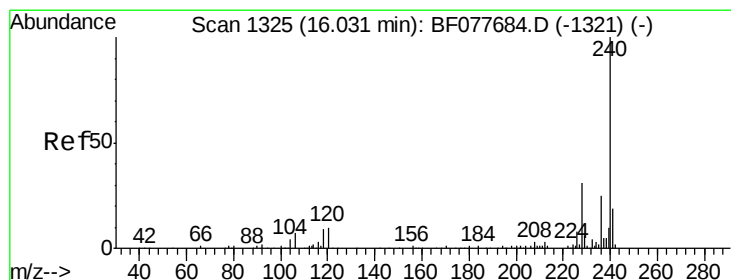
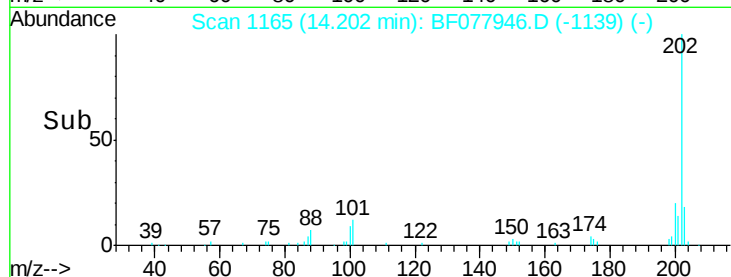
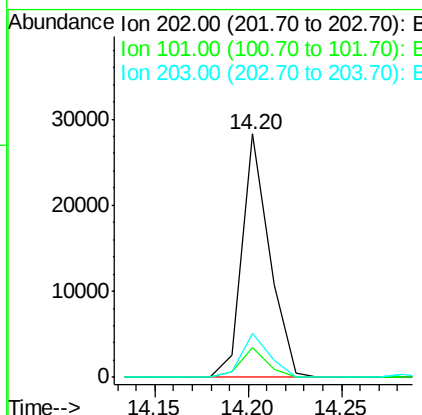
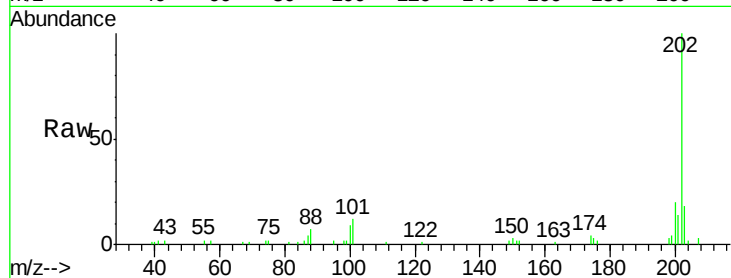




#74
 Fluoranthene
 Concen: 2.72 ng
 RT: 14.20 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: BF077946.D
 Acq: 25 Mar 2015 9:48

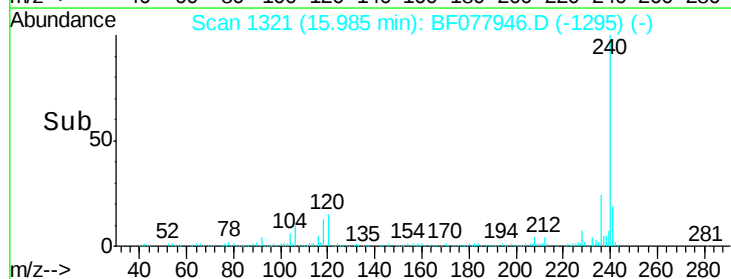
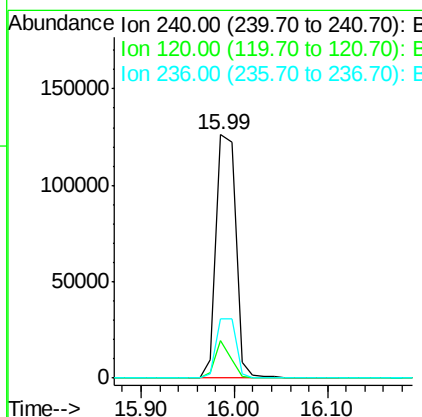
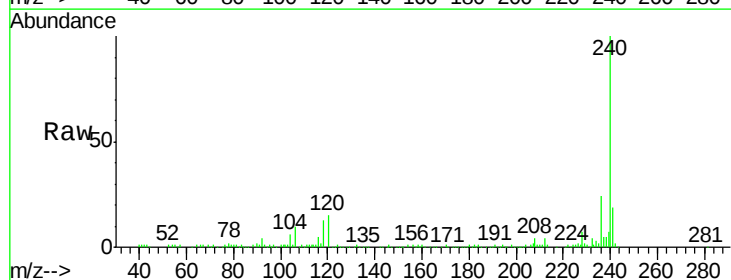
Instrument :
 BNA_F
 ClientSampleId :
 SB-19-1

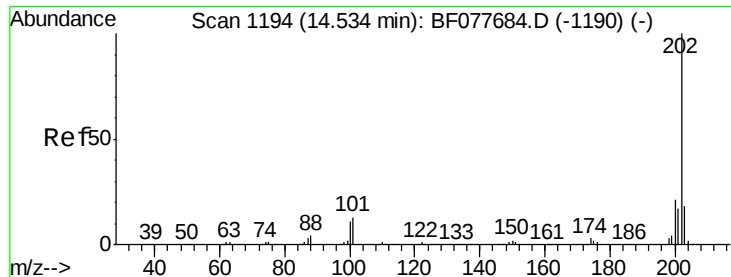
Tgt Ion: 202 Resp: 28851
 Ion Ratio Lower Upper
 202 100
 101 12.5 0.0 28.7
 203 18.0 0.0 37.2



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 15.99 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: BF077946.D
 Acq: 25 Mar 2015 9:48

Tgt Ion: 240 Resp: 186067
 Ion Ratio Lower Upper
 240 100
 120 15.4 8.2 12.2#
 236 24.4 20.0 30.0

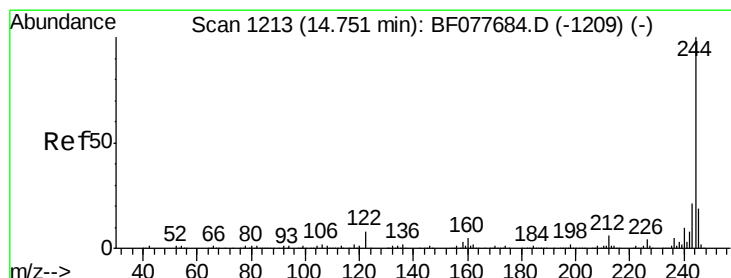
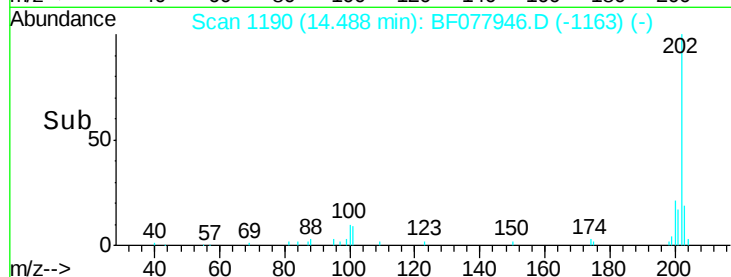
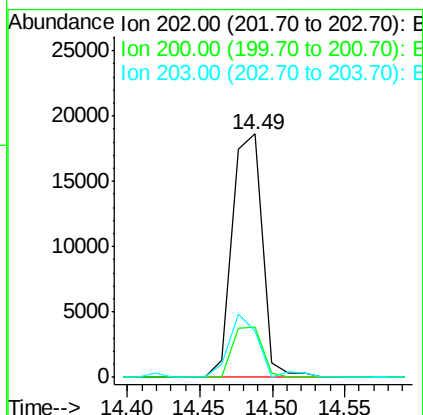
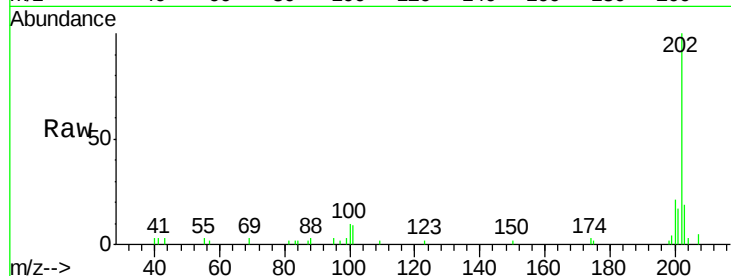




#77
 Pyrene
 Concen: 2.30 ng
 RT: 14.49 min Scan# 1190
 Delta R.T. 0.01 min
 Lab File: BF077946.D
 Acq: 25 Mar 2015 9:48

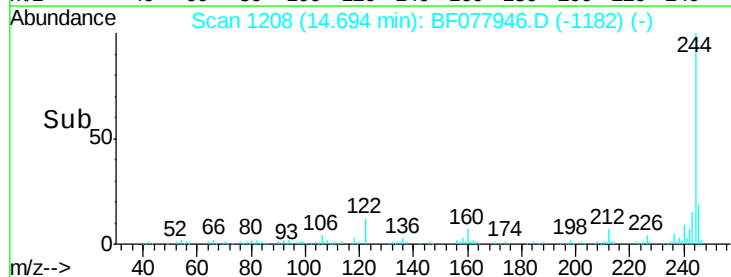
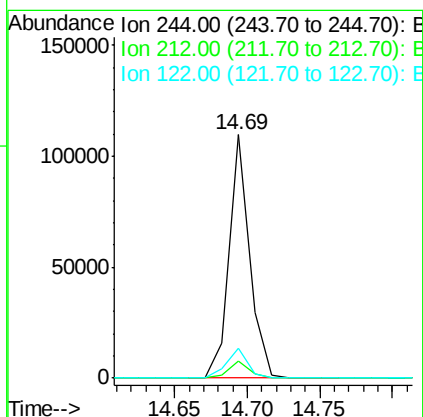
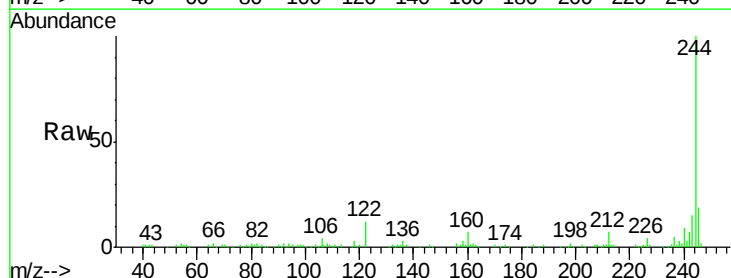
Instrument :
 BNA_F
 ClientSampleId :
 SB-19-1

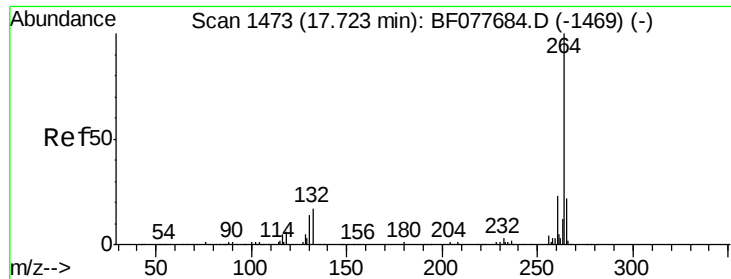
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.9	25.3
203	19.0	14.1	21.1



#78
 Terphenyl-d14
 Concen: 14.04 ng
 RT: 14.69 min Scan# 1208
 Delta R.T. -0.00 min
 Lab File: BF077946.D
 Acq: 25 Mar 2015 9:48

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	4.9	7.3
122	12.2	6.2	9.4



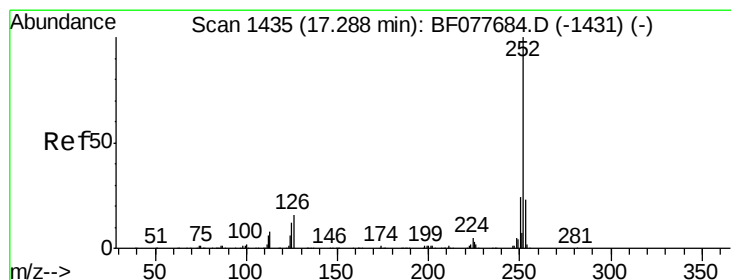
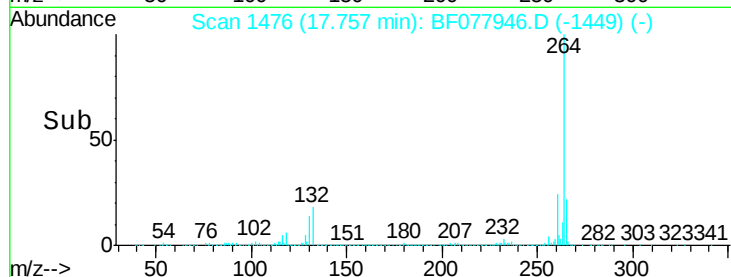
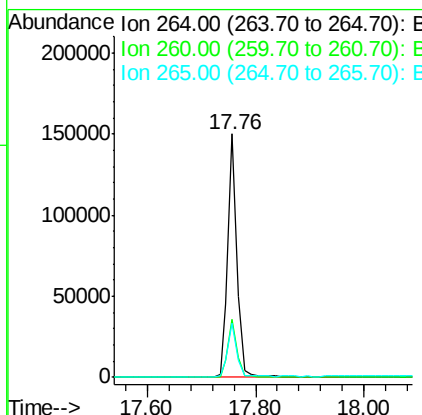
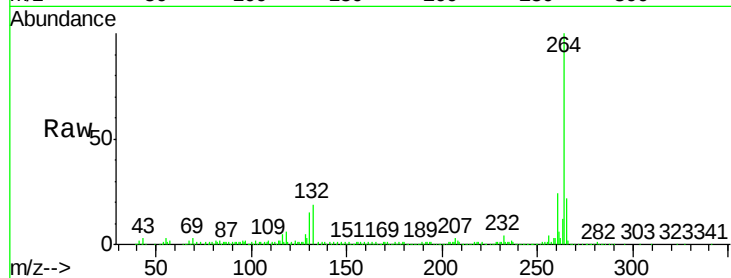


#86
Perylene-d12
Concen: 20.00 ng
RT: 17.76 min Scan# 1476
Delta R.T. 0.01 min
Lab File: BF077946.D
Acq: 25 Mar 2015 9:48

Instrument :
BNA_F
ClientSampleId :
SB-19-1

Tgt Ion: 264 Resp: 179955

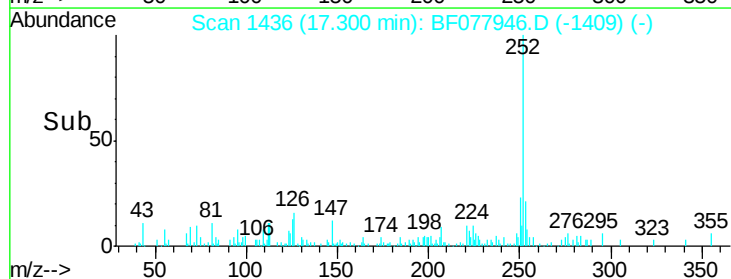
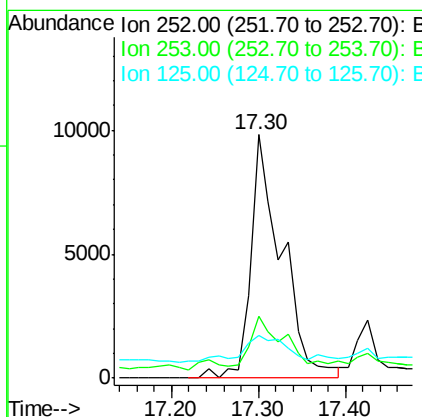
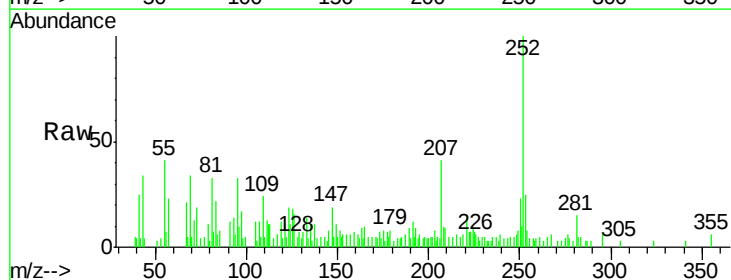
Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	27.8
265	22.3	17.3	25.9

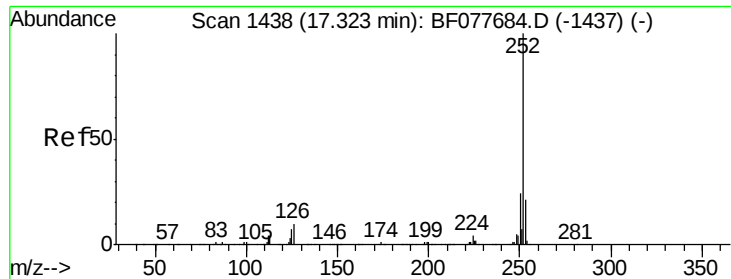


#87
Benzo(b)fluoranthene
Concen: 2.08 ng
RT: 17.30 min Scan# 1436
Delta R.T. 0.01 min
Lab File: BF077946.D
Acq: 25 Mar 2015 9:48

Tgt Ion: 252 Resp: 24439

Ion	Ratio	Lower	Upper
252	100		
253	25.3	18.0	27.0
125	17.6	9.9	14.9





#88

Benzo(k)fluoranthene

Concen: 2.66 ng

RT: 17.30 min Scan# 1436

Delta R.T. -0.02 min

Lab File: BF077946.D

Acq: 25 Mar 2015 9:48

Instrument :

BNA_F

ClientSampleId :

SB-19-1

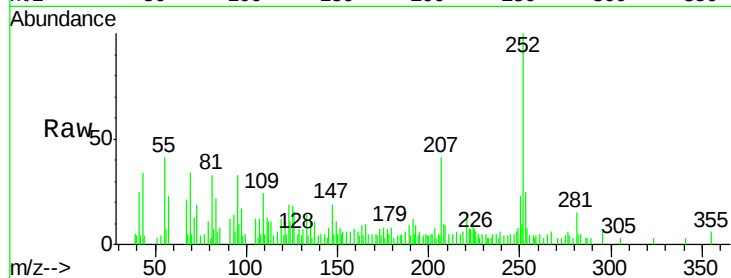
Tgt Ion: 252 Resp: 24439

Ion Ratio Lower Upper

252 100

253 25.3 17.2 25.8

125 17.6 8.1 12.1#



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

