

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031815\
 Data File : BF077824.D
 Acq On : 19 Mar 2015 6:38
 Operator : TP/IZ
 Sample : G1535-01 5X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP1B-1-B-5(0-6)

Quant Time: Mar 19 07:22:59 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 19 04:21:27 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.16	152	38589	20.00	ng	0.00
21) Naphthalene-d8	8.74	136	155774	20.00	ng	0.00
38) Acenaphthene-d10	10.91	164	79547	20.00	ng	0.00
63) Phenanthrene-d10	12.75	188	156749	20.00	ng	0.01
75) Chrysene-d12	16.04	240	181242	20.00	ng	0.01
86) Perylene-d12	17.84	264	182362	20.00	ng	0.09

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	19030	8.61	ng	0.02
7) Phenol-d6	6.74	99	29834	10.92	ng	0.01
23) Nitrobenzene-d5	7.86	82	14852	6.25	ng	0.00
41) 2,4,6-Tribromophenol	11.89	330	3679	4.83	ng	0.01
44) 2-Fluorobiphenyl	10.09	172	38630	7.14	ng	0.00
78) Terphenyl-d14	14.74	244	50316	6.78	ng	0.00

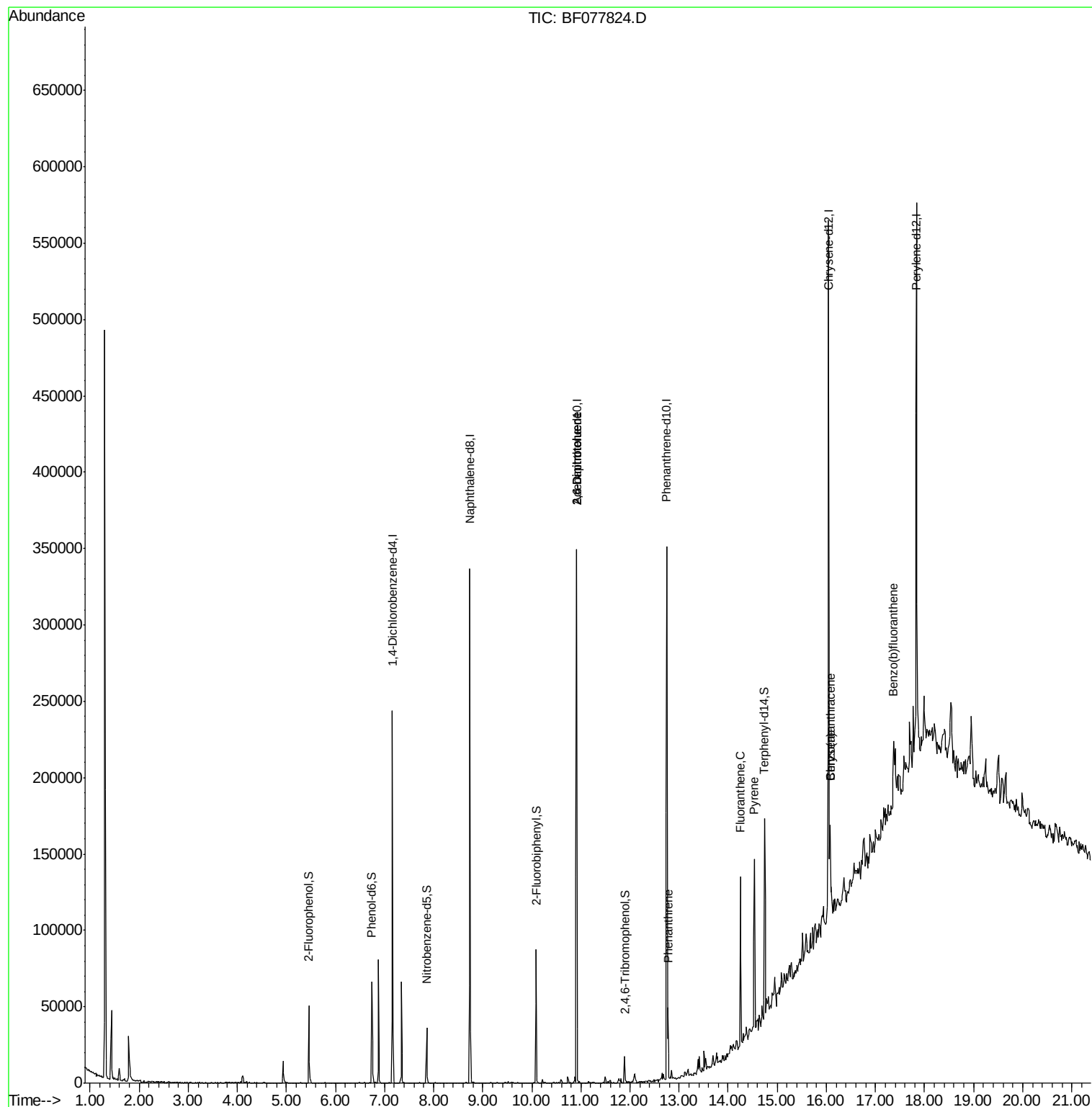
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) 2,6-Dinitrotoluene	10.91	165	9957	8.14	ng	# 24
56) 2,4-Dinitrotoluene	10.91	165	9958	6.24	ng	# 11
70) Phenanthrene	12.77	178	20720	2.30	ng	97
74) Fluoranthene	14.25	202	55718	5.61	ng	93
76) Benzidine	14.45	184	558	Below Cal		# 68
77) Pyrene	14.53	202	49652	4.36	ng	99
80) Benzo(a)anthracene	16.08	228	24163	2.25	ng	92
82) Chrysene	16.08	228	24163	2.50	ng	95
87) Benzo(b)fluoranthene	17.37	252	43486	3.65	ng	# 91

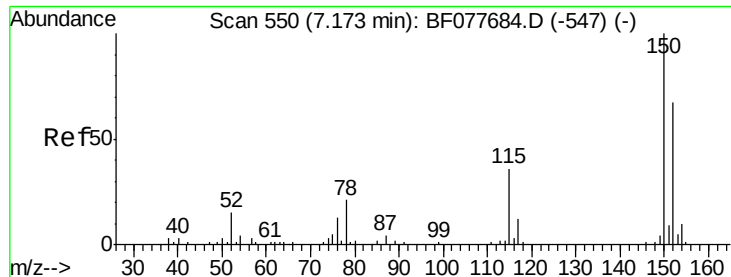
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 33 Sample Multiplier: 1

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QLast Update : Thu Mar 19 04:21:27 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.16 min Scan# 549

Delta R.T. -0.00 min

Lab File: BF077824.D

Acq: 19 Mar 2015 6:38

Instrument :

BNA_F

ClientSampleId :

COMP1B-1-B-5(0-6)

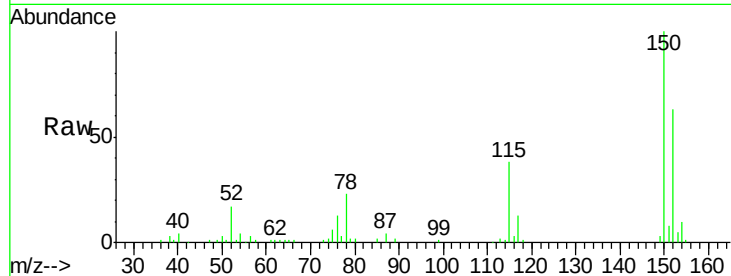
Tgt Ion:152 Resp: 38589

Ion Ratio Lower Upper

152 100

150 158.4 119.5 179.3

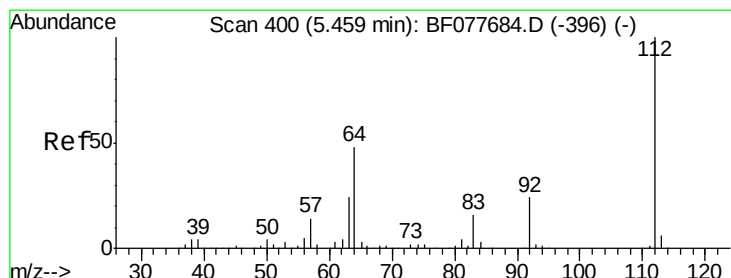
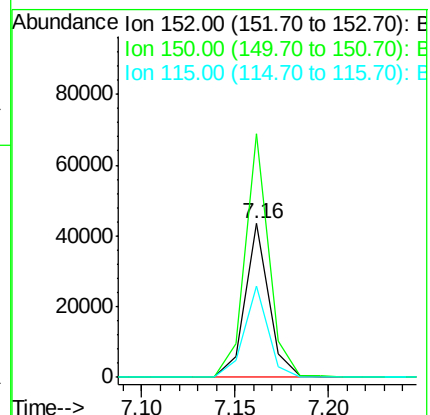
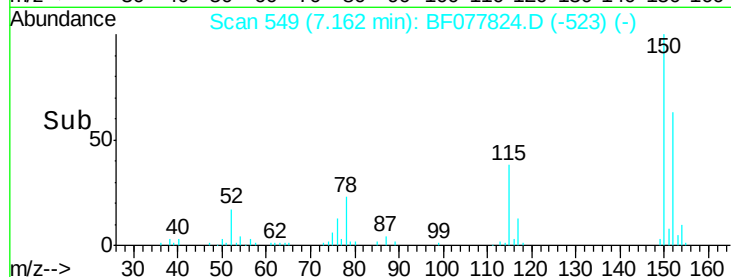
115 59.5 43.0 64.4



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



#5

2-Fluorophenol

Concen: 8.61 ng

RT: 5.46 min Scan# 400

Delta R.T. 0.02 min

Lab File: BF077824.D

Acq: 19 Mar 2015 6:38

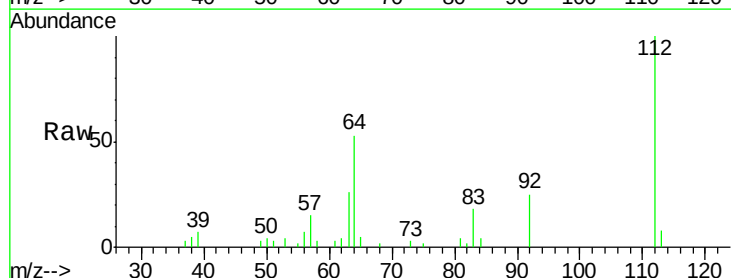
Tgt Ion:112 Resp: 19030

Ion Ratio Lower Upper

112 100

64 53.4 38.6 57.8

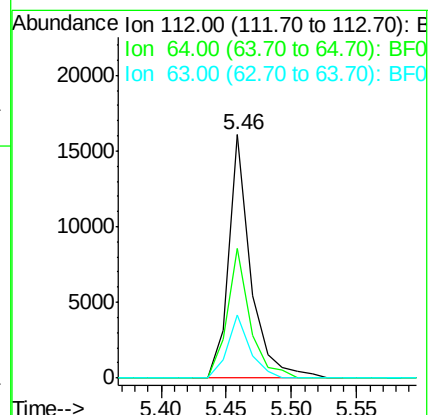
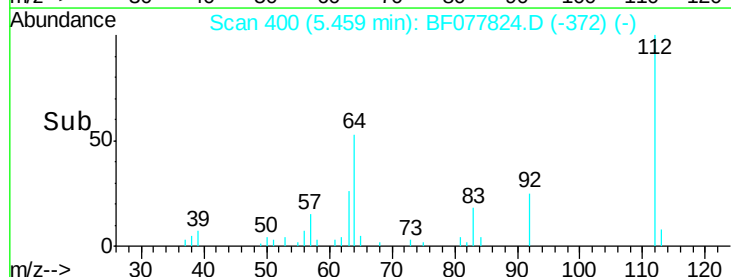
63 25.9 19.3 28.9

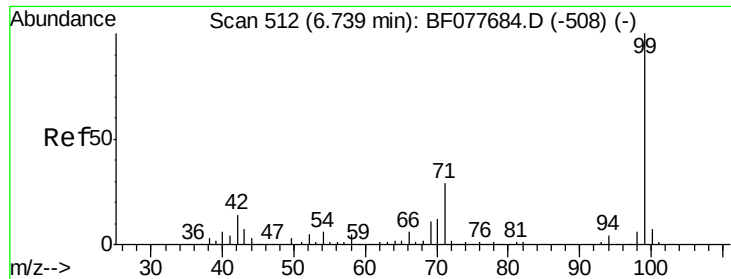


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 10.92 ng

RT: 6.74 min Scan# 512

Delta R.T. 0.01 min

Lab File: BF077824.D

Acq: 19 Mar 2015 6:38

Instrument :

BNA_F

ClientSampleId :

COMP1B-1-B-5(0-6)

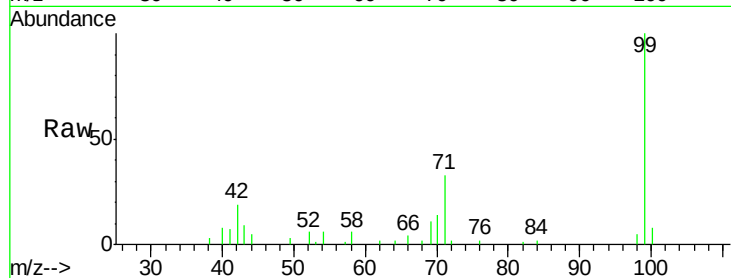
Tgt Ion: 99 Resp: 29834

Ion Ratio Lower Upper

99 100

42 18.8 11.0 16.4#

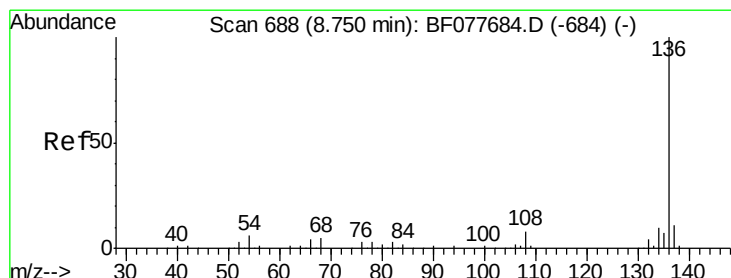
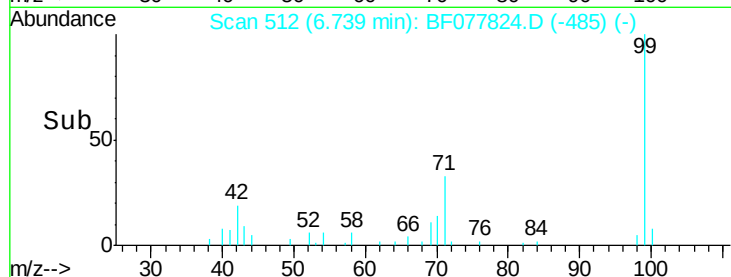
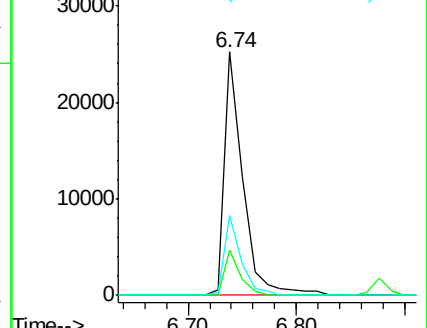
71 32.5 23.4 35.2



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.74 min Scan# 687

Delta R.T. -0.00 min

Lab File: BF077824.D

Acq: 19 Mar 2015 6:38

Tgt Ion: 136 Resp: 155774

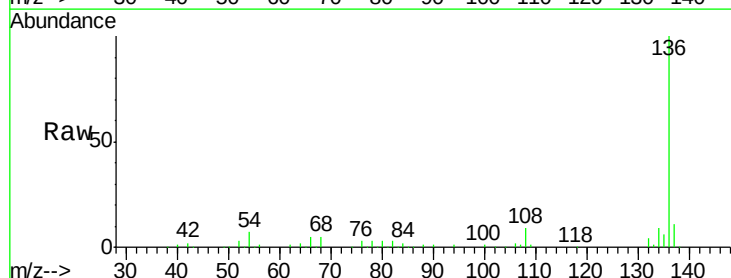
Ion Ratio Lower Upper

136 100

137 10.6 8.7 13.1

54 6.6 4.6 6.8

68 5.4 3.7 5.5

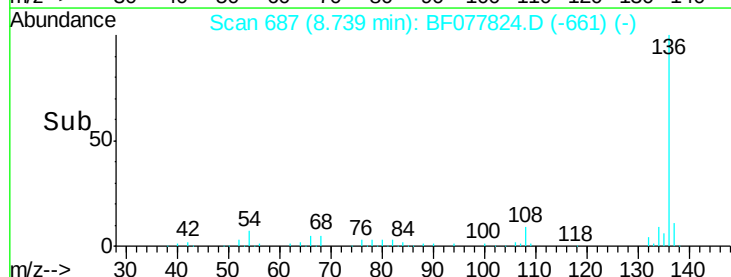
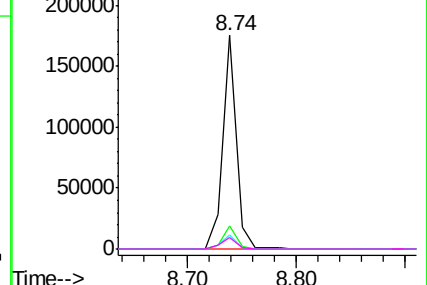


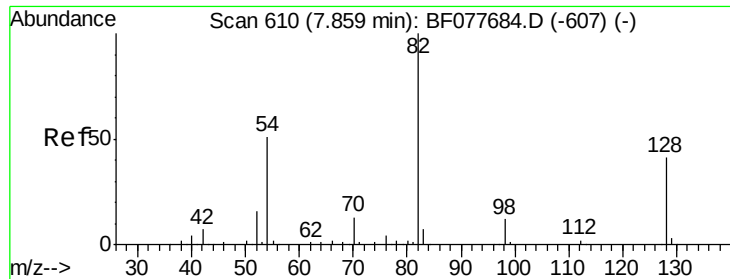
Abundance Ion 136.00 (135.70 to 136.70): E

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

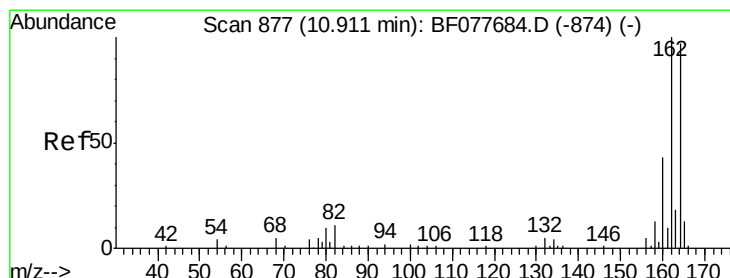
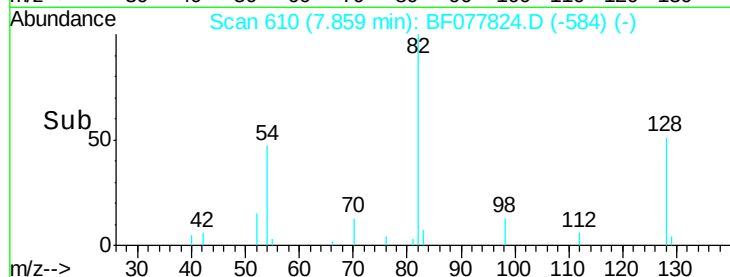
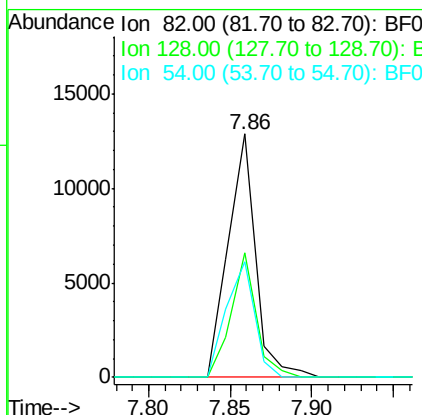
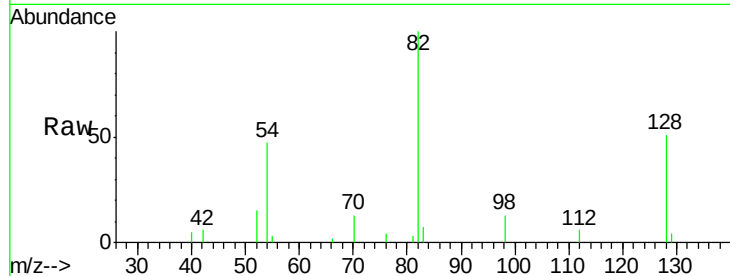




#23
 Nitrobenzene-d5
 Concen: 6.25 ng
 RT: 7.86 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: BF077824.D
 Acq: 19 Mar 2015 6:38

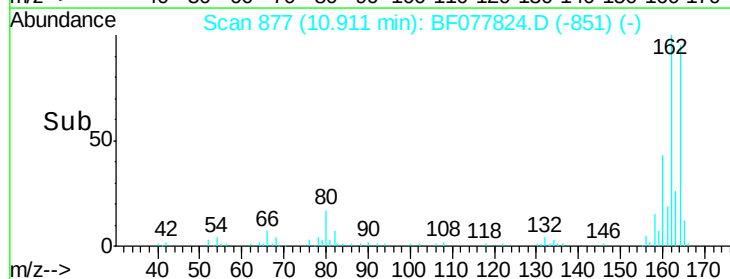
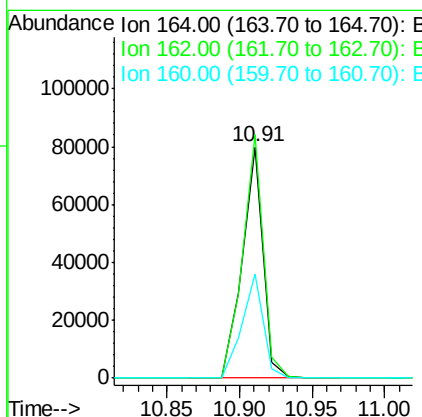
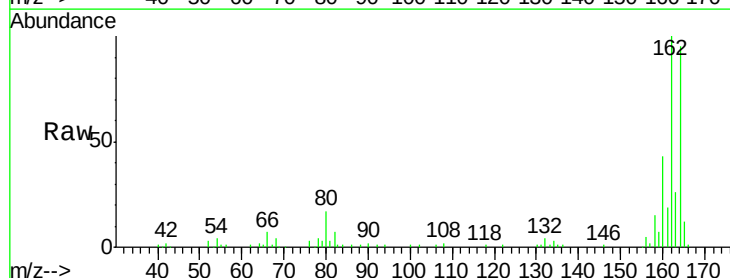
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 COMP1B-1-B-5(0-6)

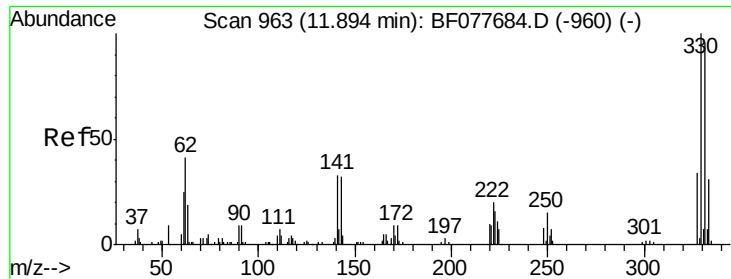
Tgt Ion: 82 Resp: 14852
 Ion Ratio Lower Upper
 82 100
 128 51.2 32.8 49.2#
 54 47.3 40.6 60.8



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.91 min Scan# 877
 Delta R.T. -0.00 min
 Lab File: BF077824.D
 Acq: 19 Mar 2015 6:38

Tgt Ion: 164 Resp: 79547
 Ion Ratio Lower Upper
 164 100
 162 105.5 82.4 123.6
 160 45.3 35.8 53.6

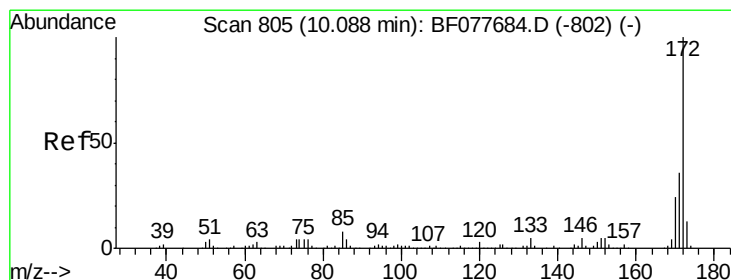
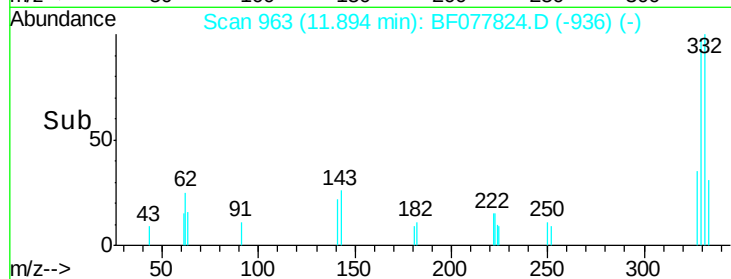
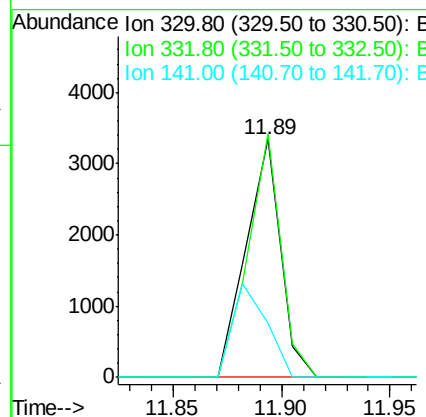
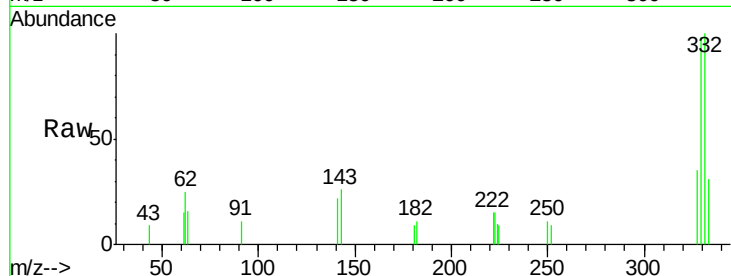




#41
 2,4,6-Tribromophenol
 Concen: 4.83 ng
 RT: 11.89 min Scan# 963
 Delta R.T. 0.01 min
 Lab File: BF077824.D
 Acq: 19 Mar 2015 6:38

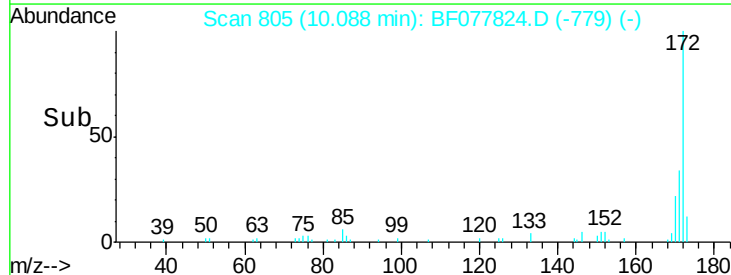
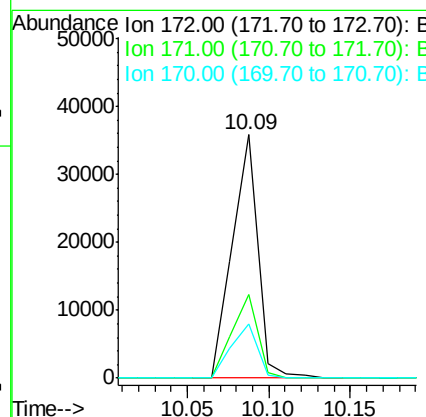
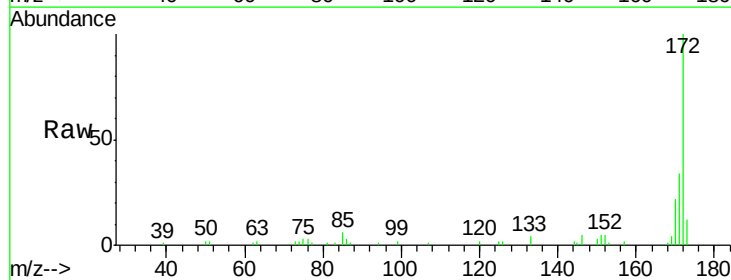
Instrument :
 BNA_F
 ClientSampleId :
 COMP1B-1-B-5(0-6)

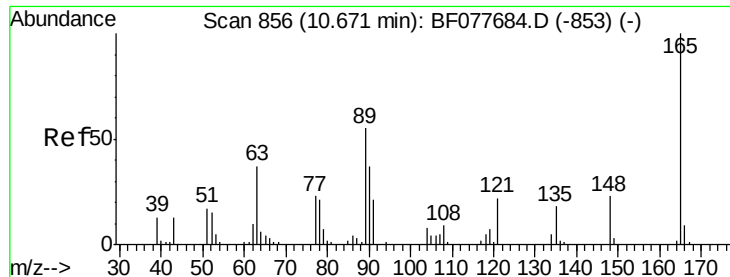
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	0.0	0.0#
141	38.7	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 7.14 ng
 RT: 10.09 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: BF077824.D
 Acq: 19 Mar 2015 6:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.5	42.7
170	22.5	18.8	28.2

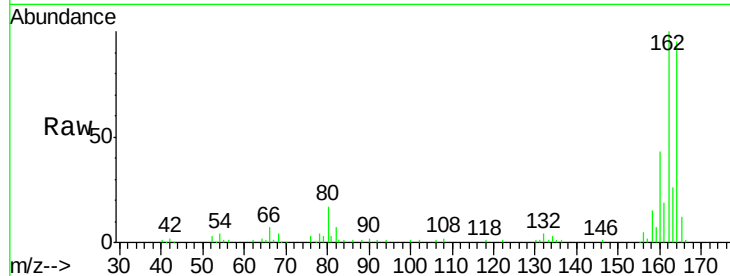




#50
 2,6-Dinitrotoluene
 Concen: 8.14 ng
 RT: 10.91 min Scan# 877
 Delta R.T. 0.24 min
 Lab File: BF077824.D
 Acq: 19 Mar 2015 6:38

Instrument :
 BNA_F
 ClientSampleId :
 COMP1B-1-B-5(0-6)

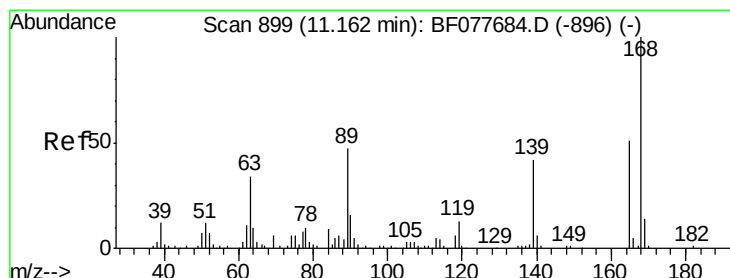
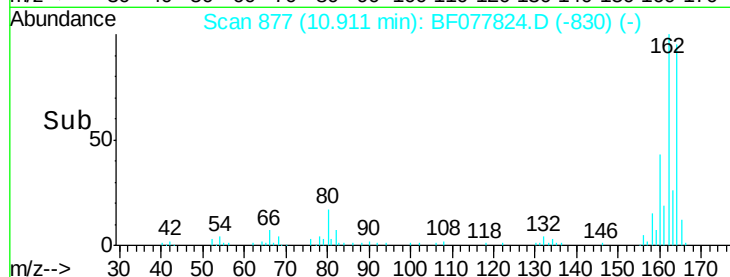
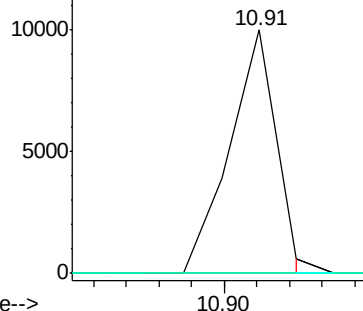
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.1	66.1#
89	0.0	44.3	66.5#



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: 6.24 ng
 RT: 10.91 min Scan# 877
 Delta R.T. -0.25 min
 Lab File: BF077824.D
 Acq: 19 Mar 2015 6:38

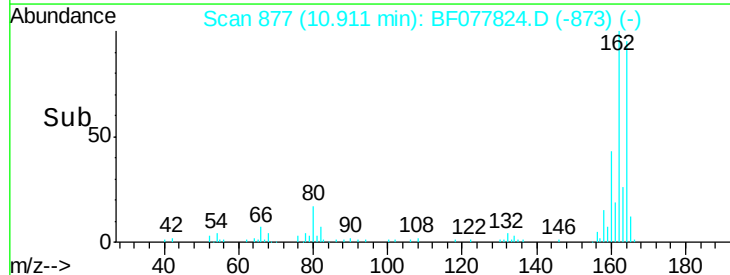
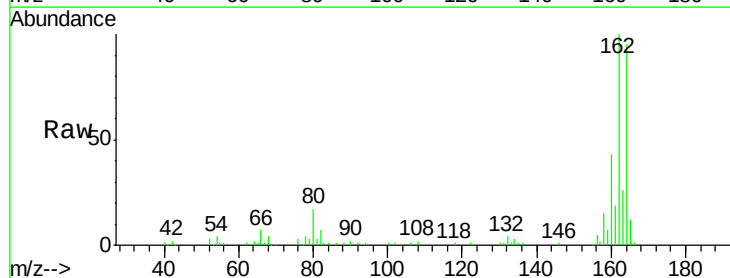
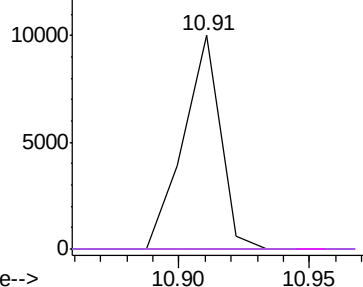
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.4	78.6#
89	0.0	72.4	108.6#
182	0.0	2.0	3.0#

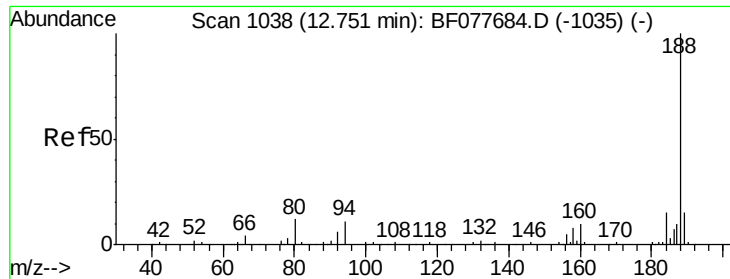
Abundance Ion 165.00 (164.70 to 165.70): E

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

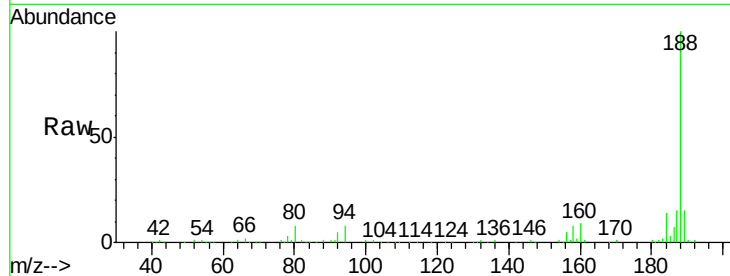




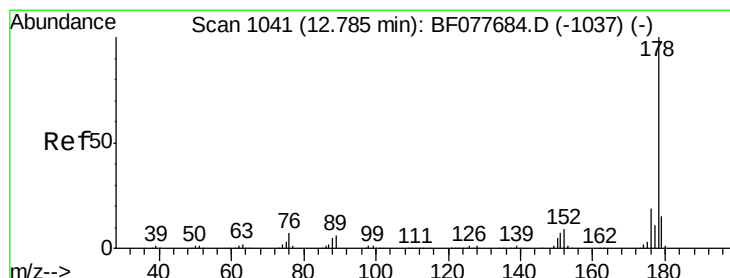
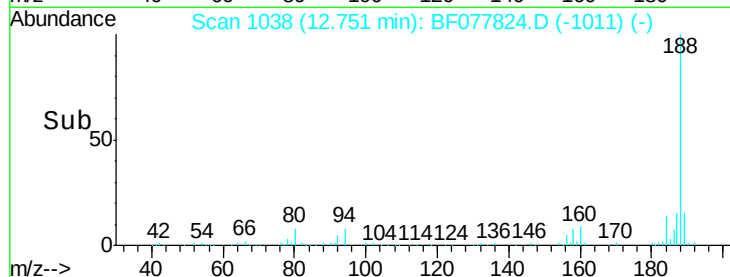
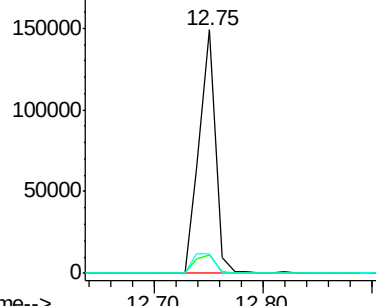
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.75 min Scan# 1038
Delta R.T. 0.01 min
Lab File: BF077824.D
Acq: 19 Mar 2015 6:38

Instrument :
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COMP1B-1-B-5(0-6)

Tgt Ion:188 Resp: 156749
Ion Ratio Lower Upper
188 100
94 7.7 8.7 13.1#
80 8.2 9.3 13.9#

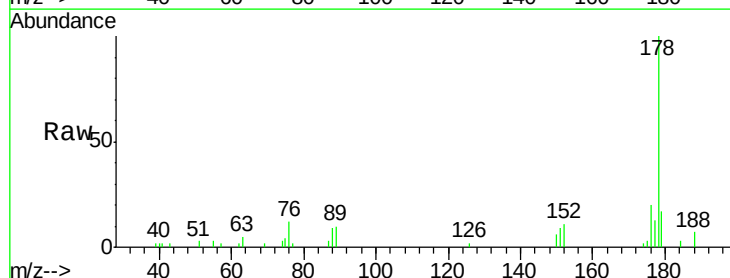


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

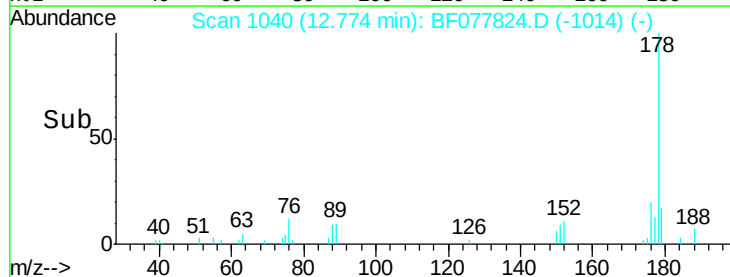
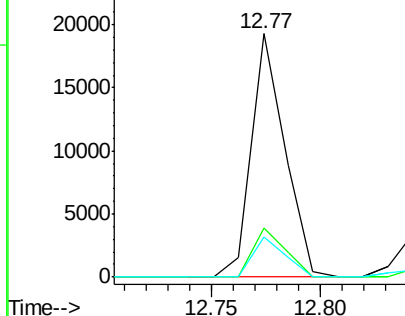


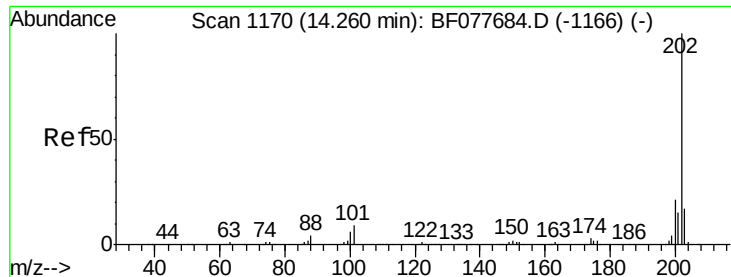
#70
Phenanthrene
Concen: 2.30 ng
RT: 12.77 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BF077824.D
Acq: 19 Mar 2015 6:38

Tgt Ion:178 Resp: 20720
Ion Ratio Lower Upper
178 100
176 20.1 15.2 22.8
179 16.7 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

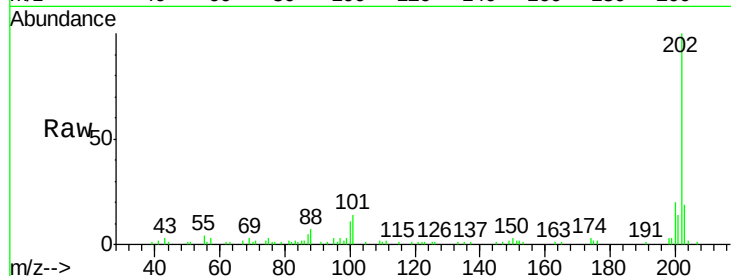




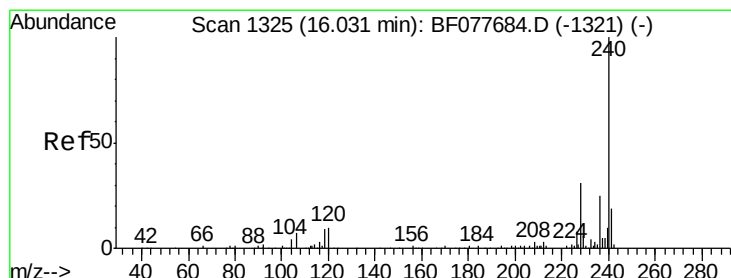
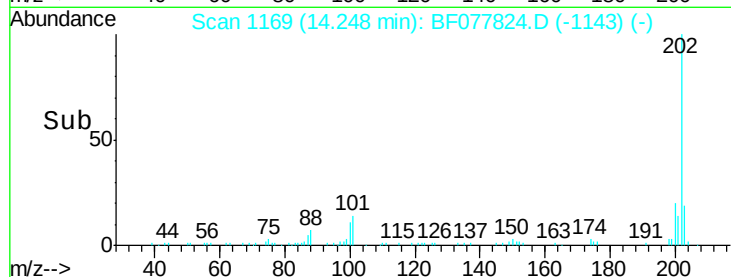
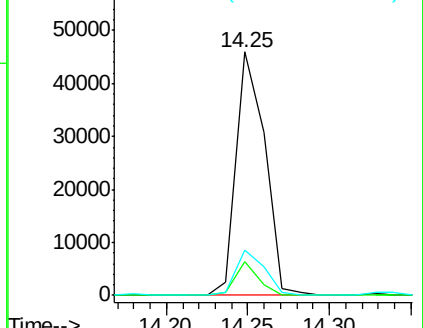
#74
Fluoranthene
Concen: 5.61 ng
RT: 14.25 min Scan# 1169
Delta R.T. -0.00 min
Lab File: BF077824.D
Acq: 19 Mar 2015 6:38

Instrument :
BNA_F
ClientSampleId :
COMP1B-1-B-5(0-6)

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	28.7
203	18.8	0.0	37.2

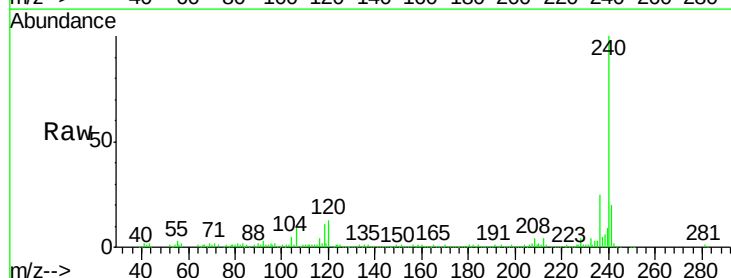


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

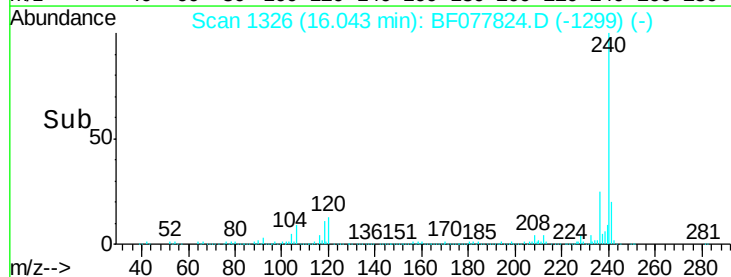
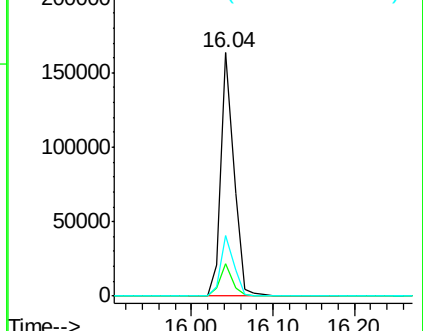


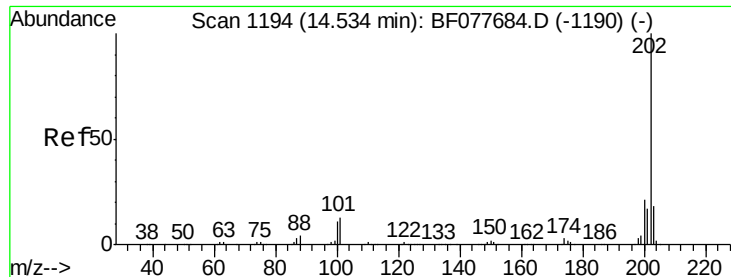
#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.04 min Scan# 1326
Delta R.T. 0.01 min
Lab File: BF077824.D
Acq: 19 Mar 2015 6:38

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.4	8.2	12.2#
236	24.8	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: 4.36 ng

RT: 14.53 min Scan# 1194

Delta R.T. -0.00 min

Lab File: BF077824.D

Acq: 19 Mar 2015 6:38

Instrument :

BNA_F

ClientSampleId :

COMP1B-1-B-5(0-6)

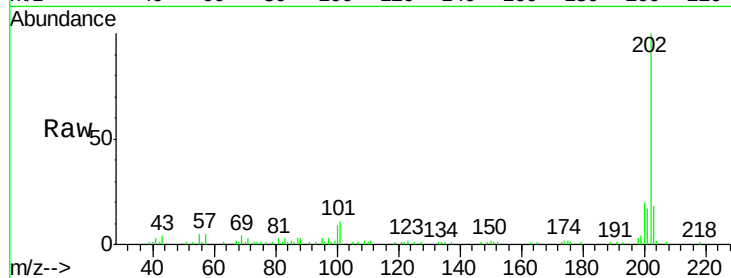
Tgt Ion: 202 Resp: 49652

Ion Ratio Lower Upper

202 100

200 20.3 16.9 25.3

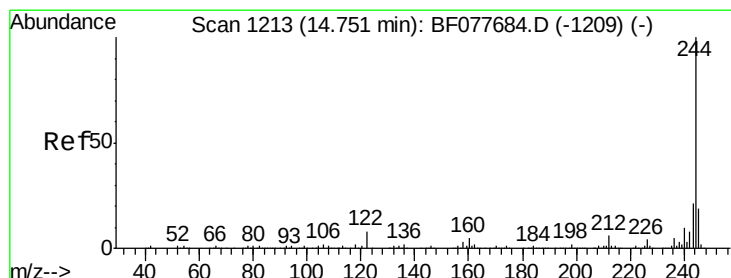
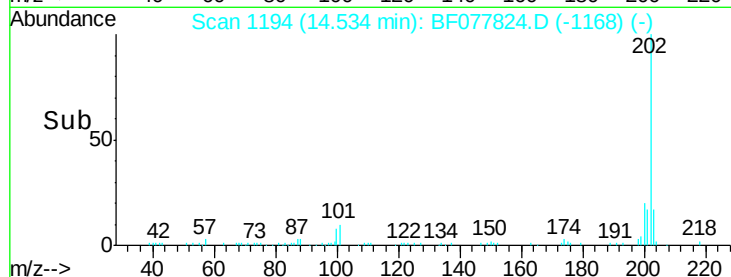
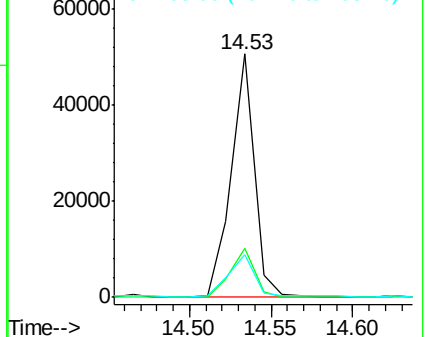
203 17.8 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 6.78 ng

RT: 14.74 min Scan# 1212

Delta R.T. -0.00 min

Lab File: BF077824.D

Acq: 19 Mar 2015 6:38

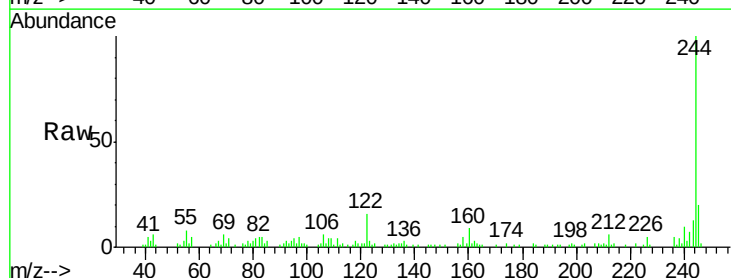
Tgt Ion: 244 Resp: 50316

Ion Ratio Lower Upper

244 100

212 6.4 4.9 7.3

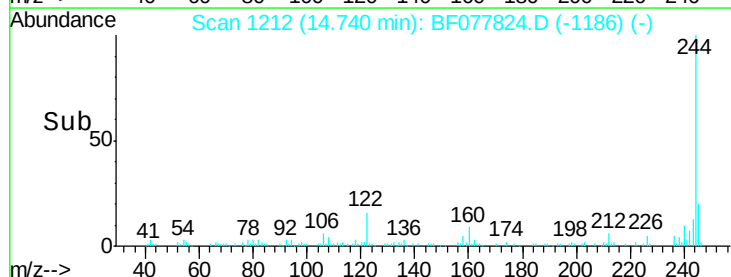
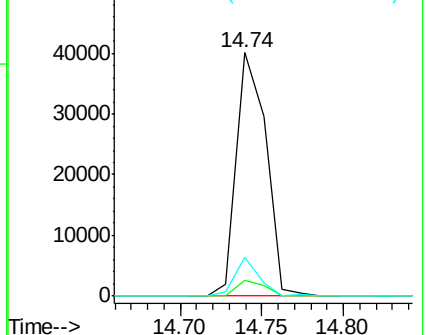
122 16.1 6.2 9.4#

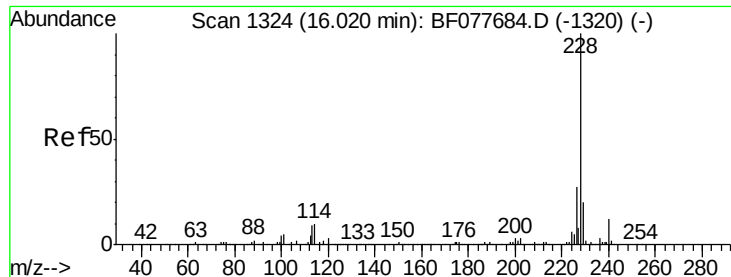


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.25 ng

RT: 16.08 min Scan# 1329

Delta R.T. 0.06 min

Lab File: BF077824.D

Acq: 19 Mar 2015 6:38

Instrument :

BNA_F

ClientSampleId :

COMP1B-1-B-5(0-6)

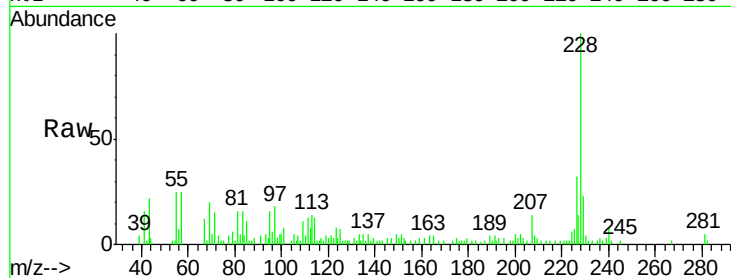
Tgt Ion:228 Resp: 24163

Ion Ratio Lower Upper

228 100

226 31.9 21.7 32.5

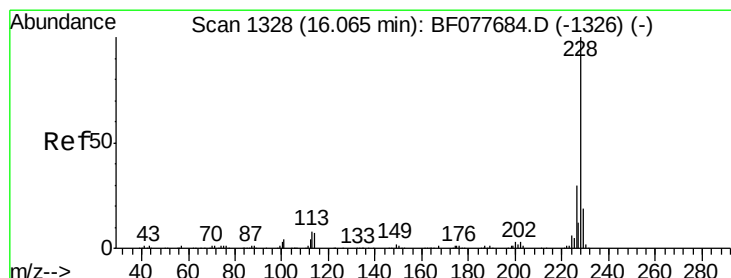
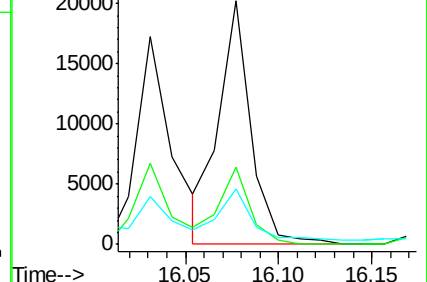
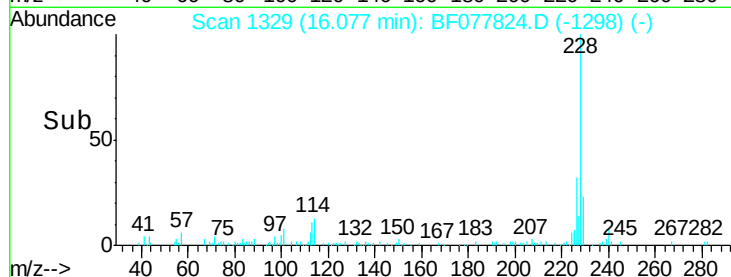
229 22.5 16.0 24.0



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: 2.50 ng

RT: 16.08 min Scan# 1329

Delta R.T. 0.01 min

Lab File: BF077824.D

Acq: 19 Mar 2015 6:38

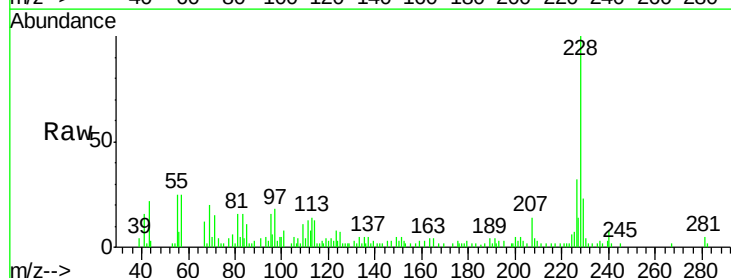
Tgt Ion:228 Resp: 24163

Ion Ratio Lower Upper

228 100

226 31.9 24.1 36.1

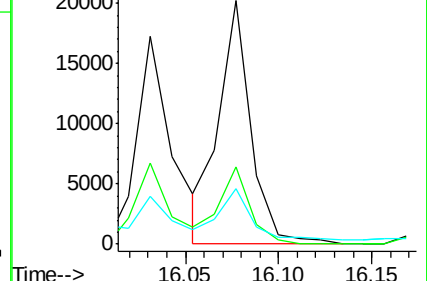
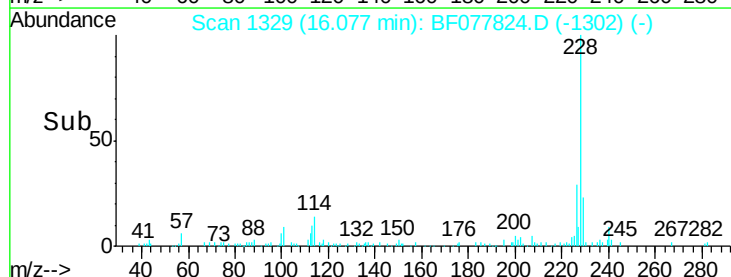
229 22.5 15.5 23.3

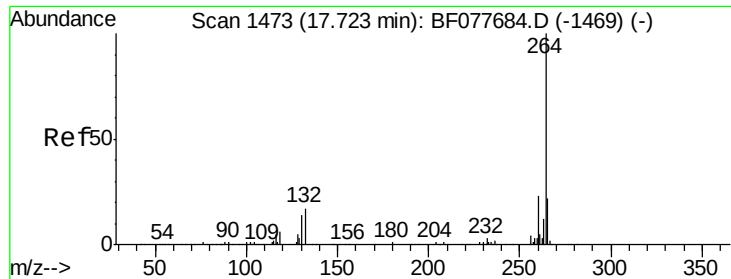


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

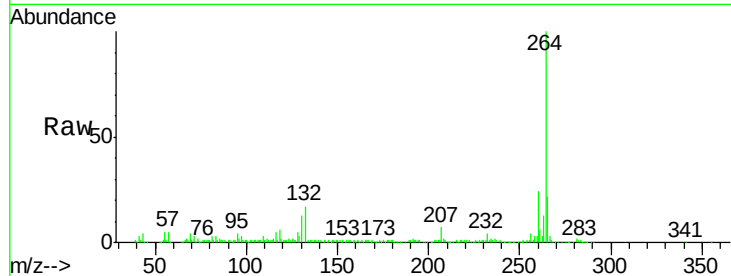




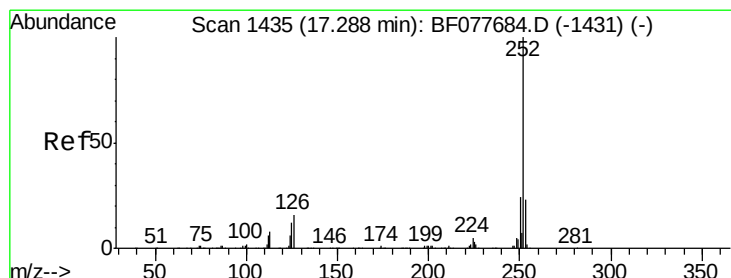
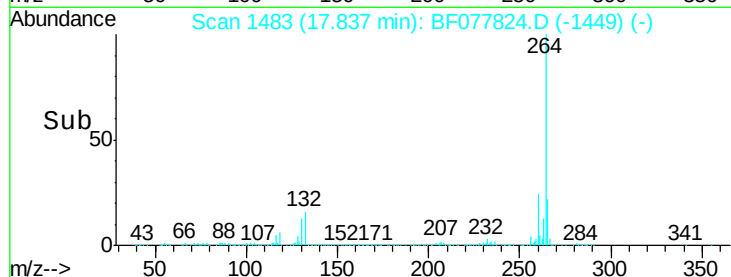
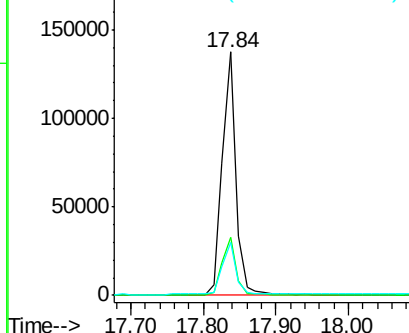
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.84 min Scan# 1483
Delta R.T. 0.09 min
Lab File: BF077824.D
Acq: 19 Mar 2015 6:38

Instrument :
BNA_F
ClientSampleId :
COMP1B-1-B-5(0-6)

Tgt Ion: 264 Resp: 182362
Ion Ratio Lower Upper
264 100
260 23.9 18.6 27.8
265 22.0 17.3 25.9

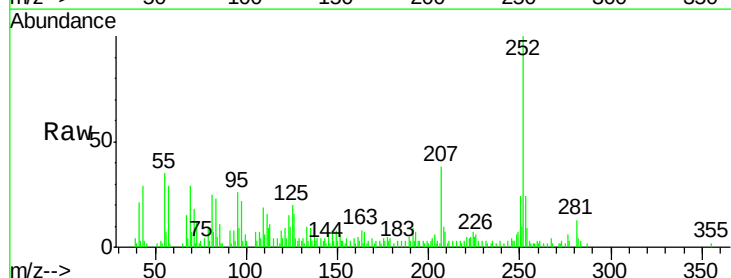


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 3.65 ng
RT: 17.37 min Scan# 1442
Delta R.T. 0.06 min
Lab File: BF077824.D
Acq: 19 Mar 2015 6:38

Tgt Ion: 252 Resp: 43486
Ion Ratio Lower Upper
252 100
253 23.7 18.0 27.0
125 20.1 9.9 14.9#



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

