

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
 Data File : BF084473.D
 Acq On : 14 Jan 2016 6:53
 Operator : SJ/UM
 Sample : H1079-02
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP1

Quant Time: Jan 14 11:18:38 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

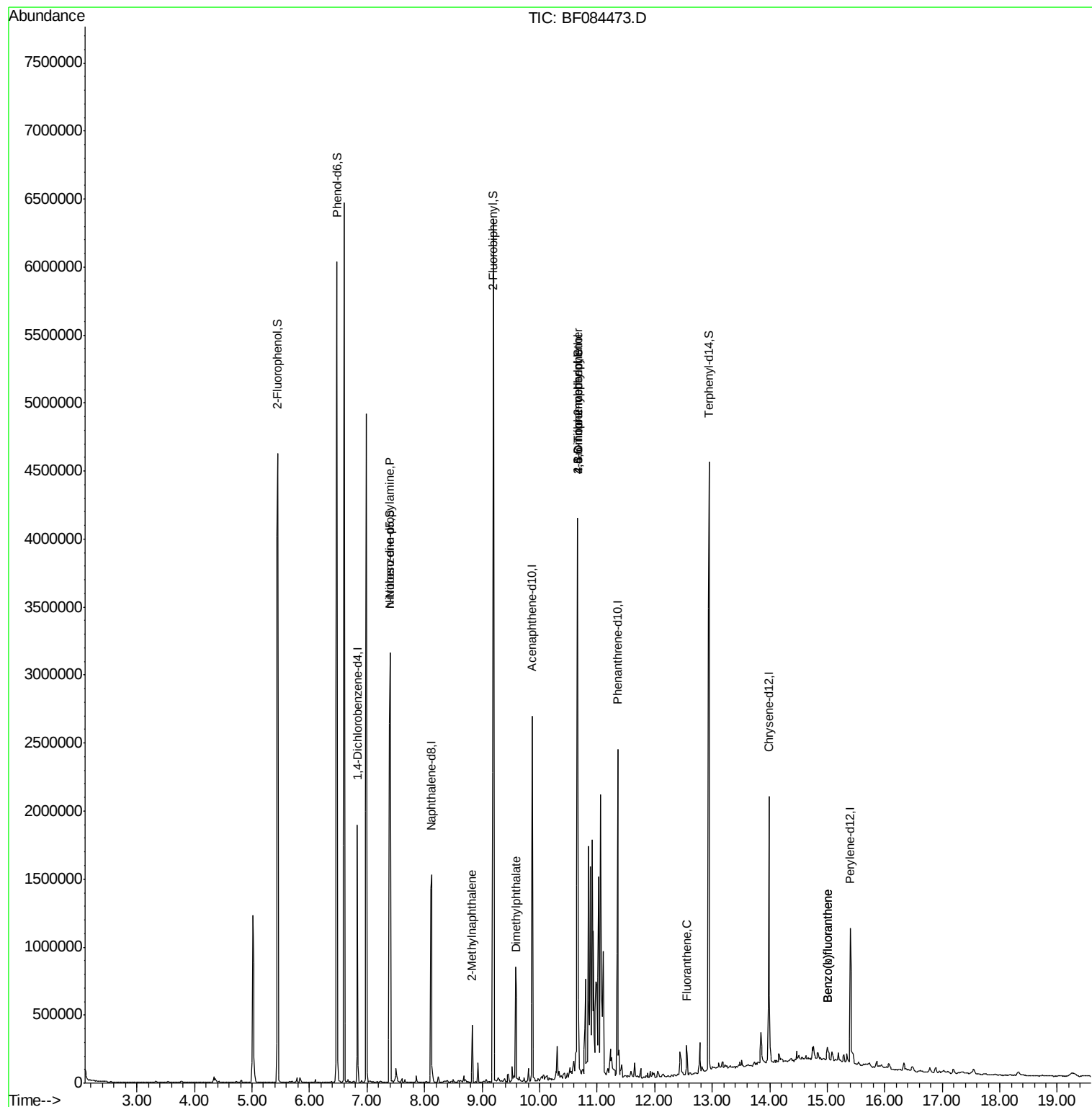
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	247265	20.00	ng	-0.07
21) Naphthalene-d8	8.12	136	1034998	20.00	ng	-0.07
38) Acenaphthene-d10	9.87	164	507542	20.00	ng	-0.08
63) Phenanthrene-d10	11.36	188	919365	20.00	ng	-0.07
75) Chrysene-d12	13.99	240	639523	20.00	ng	-0.08
86) Perylene-d12	15.40	264	494056	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1781250	116.52	ng	-0.04
7) Phenol-d6	6.48	99	2139111	111.42	ng	-0.06
23) Nitrobenzene-d5	7.40	82	1427741	76.77	ng	-0.07
41) 2,4,6-Tribromophenol	10.66	330	477798	93.25	ng	-0.08
44) 2-Fluorobiphenyl	9.20	172	1967300	66.84	ng	-0.07
78) Terphenyl-d14	12.94	244	1850431	64.59	ng	-0.07
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	189288	14.56	ng	# 77
37) 2-Methylnaphthalene	8.83	142	111217	3.30	ng	96
49) Dimethylphthalate	9.60	163	467143	12.87	ng	# 91
54) Dibenzofuran	10.08	168	4948	Below	Cal	# 80
57) Fluorene	10.42	166	10635	Below	Cal	# 88
64) 4,6-Dinitro-2-methylphenol	10.66	198	957	6.55	ng	# 1
66) 4-Bromophenyl-phenylether	10.66	248	31572	3.19	ng	# 1
73) Di-n-butylphthalate	11.92	149	26712	Below	Cal	# 97
74) Fluoranthene	12.56	202	112400	2.24	ng	94
87) Benzo(b)fluoranthene	15.00	252	67709	2.10	ng	# 94
88) Benzo(k)fluoranthene	15.00	252	67709	2.56	ng	# 97

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.07 min

Lab File: BF084473.D

Acq: 14 Jan 2016 6:53

Instrument :

BNA_F

ClientSampleId :

TEC-COMP1

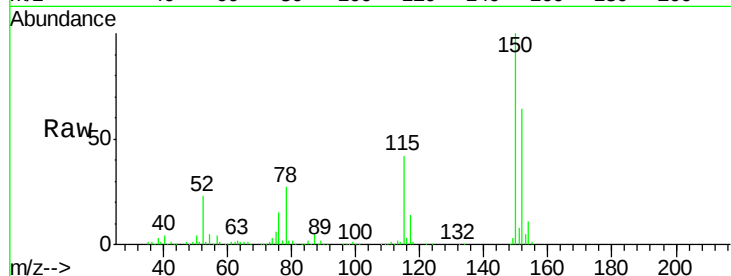
Tot Ion:152 Resp: 247265

Ion Ratio Lower Upper

152 100

150 156.3 123.0 184.4

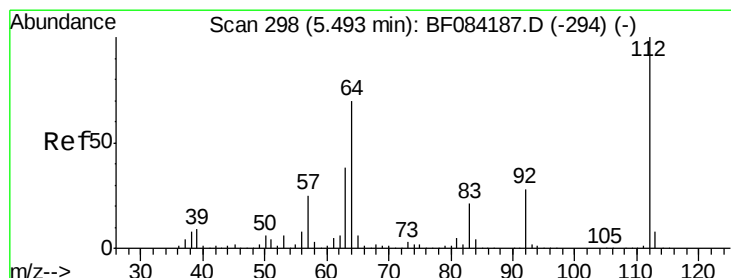
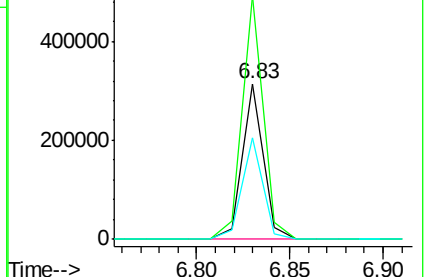
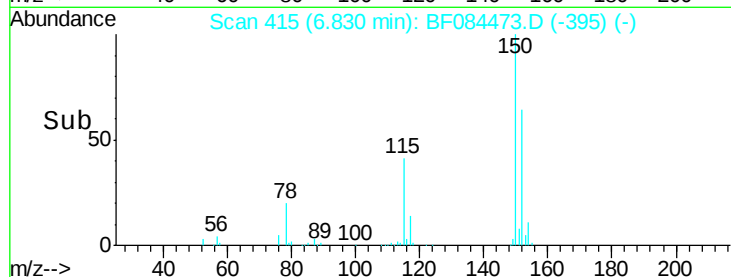
115 65.1 51.4 77.2



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: 116.52 ng

RT: 5.45 min Scan# 294

Delta R.T. -0.04 min

Lab File: BF084473.D

Acq: 14 Jan 2016 6:53

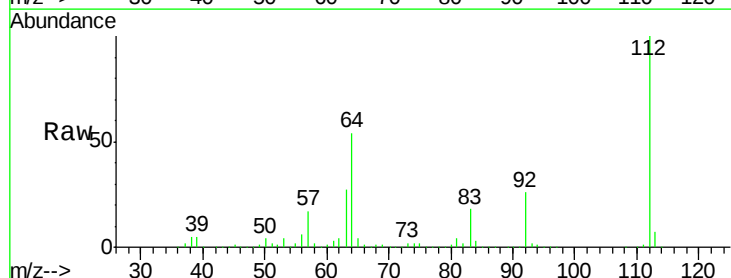
Tgt Ion:112 Resp: 1781250

Ion Ratio Lower Upper

112 100

64 53.7 36.6 55.0

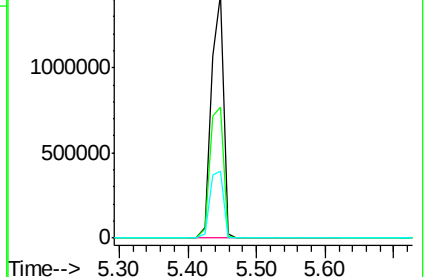
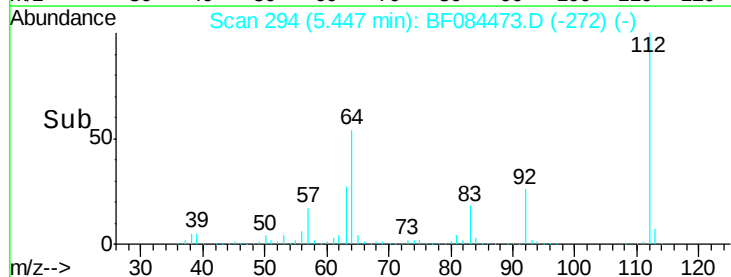
63 27.3 19.4 29.0

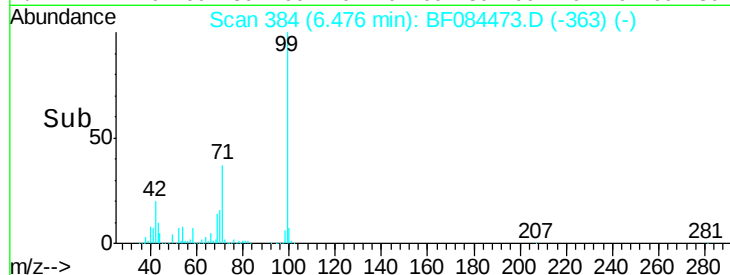
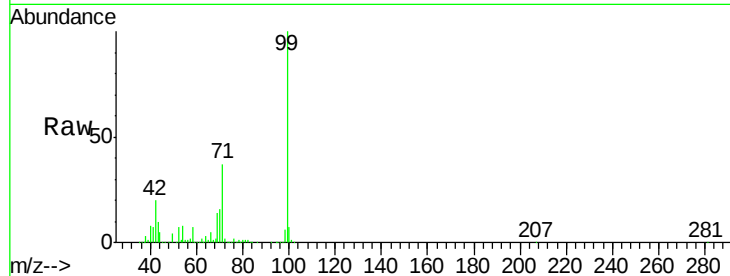
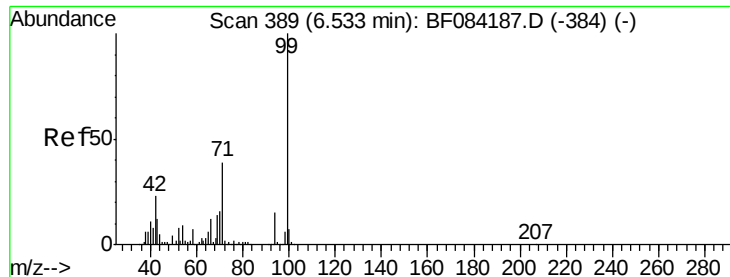


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 111.42 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.06 min

Lab File: BF084473.D

Acq: 14 Jan 2016 6:53

Instrument :

BNA_F

ClientSampleId :

TEC-COMP1

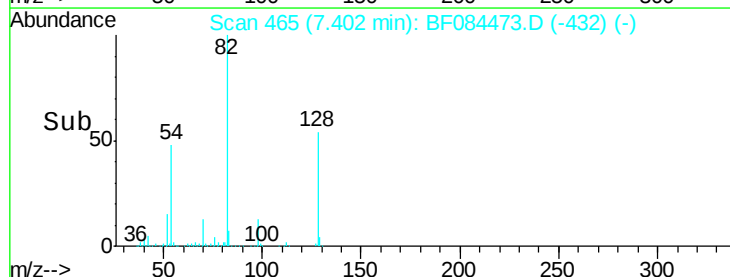
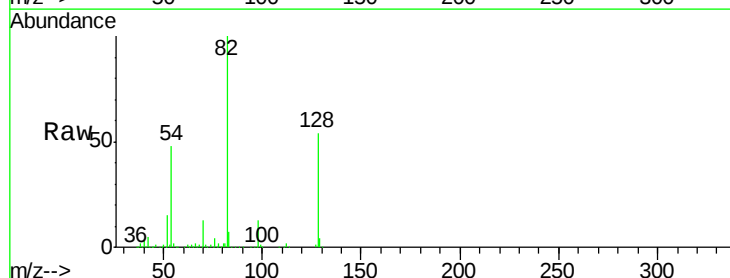
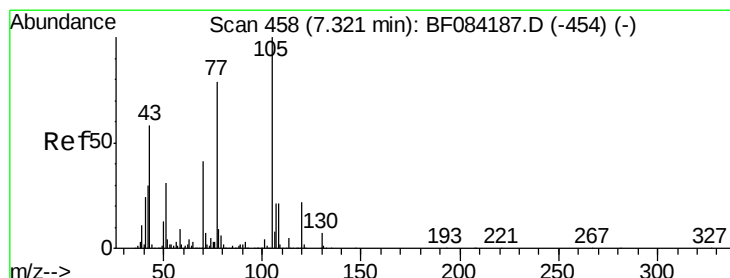
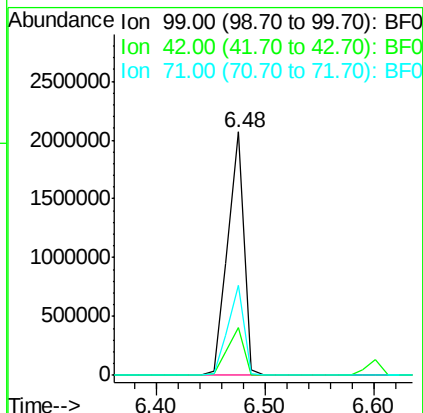
Tot Ion: 99 Resp: 2139111

Ion Ratio Lower Upper

99 100

42 19.7 12.8 19.2#

71 36.9 30.9 46.3



#19

n-Nitroso-di-n-propylamine

Concen: 14.56 ng

RT: 7.40 min Scan# 465

Delta R.T. 0.08 min

Lab File: BF084473.D

Acq: 14 Jan 2016 6:53

Tgt Ion: 70 Resp: 189288

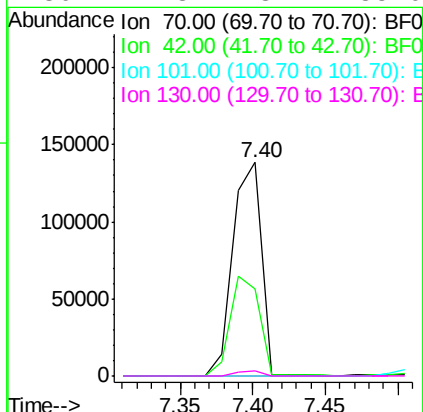
Ion Ratio Lower Upper

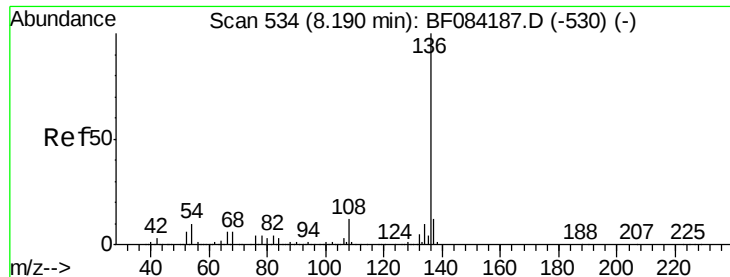
70 100

42 40.5 33.3 49.9

101 0.0 9.3 13.9#

130 2.3 23.4 35.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 528

Delta R.T. -0.07 min

Lab File: BF084473.D

Acq: 14 Jan 2016 6:53

Instrument :

BNA_F

ClientSampleId :

TEC-COMP1

Tot Ion:136 Resp: 1034998

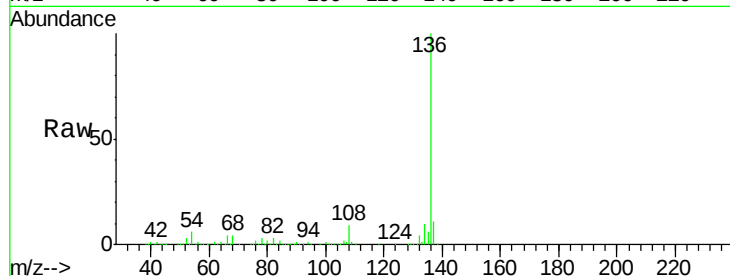
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 6.2 5.8 8.8

68 4.2 4.2 6.2

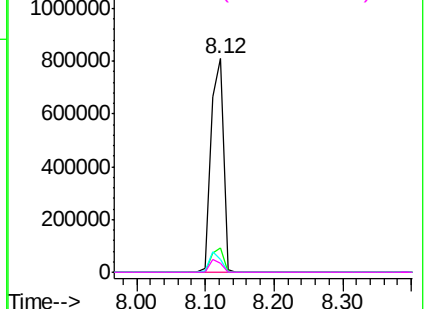
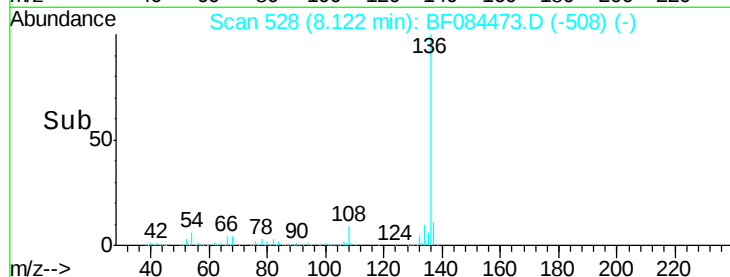


Abundance Ion 136.00 (135.70 to 136.70): E

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: 76.77 ng

RT: 7.40 min Scan# 465

Delta R.T. -0.07 min

Lab File: BF084473.D

Acq: 14 Jan 2016 6:53

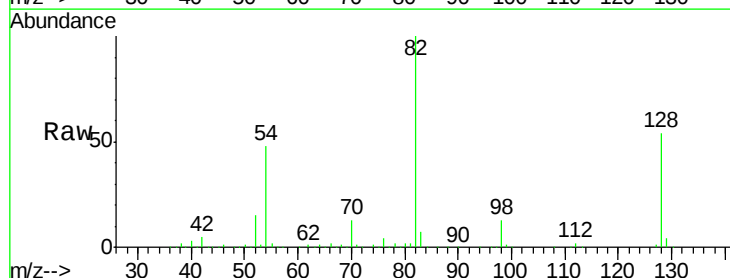
Tgt Ion: 82 Resp: 1427741

Ion Ratio Lower Upper

82 100

128 53.6 34.6 51.8#

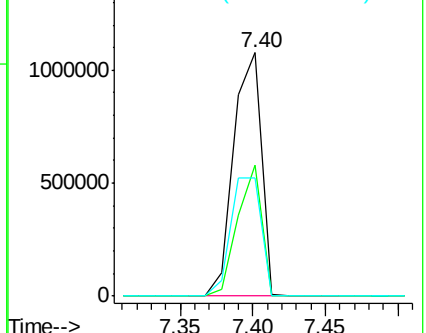
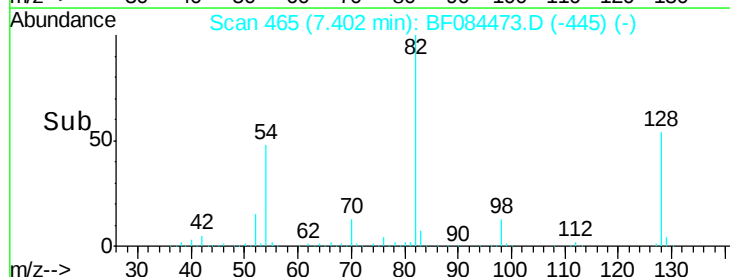
54 48.5 38.4 57.6

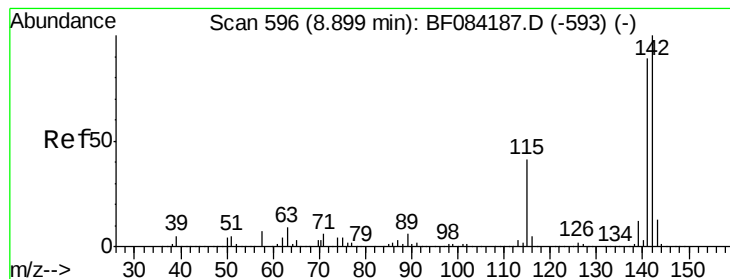


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#37

2-Methylnaphthalene

Concen: 3.30 ng

RT: 8.83 min Scan# 590

Delta R.T. -0.07 min

Lab File: BF084473.D

Acq: 14 Jan 2016 6:53

Instrument :

BNA_F

ClientSampleId :

TEC-COMP1

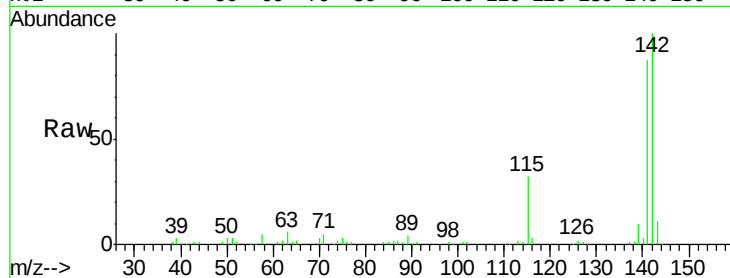
Tot Ion:142 Resp: 111217

Ion Ratio Lower Upper

142 100

141 87.2 72.4 108.6

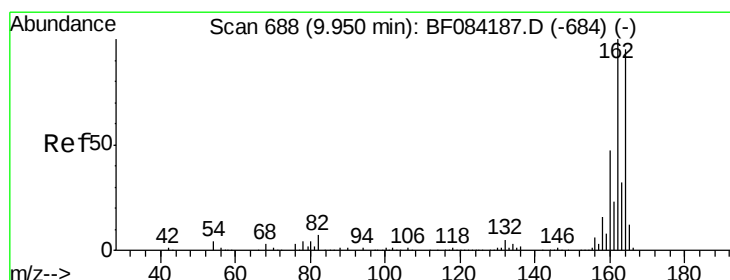
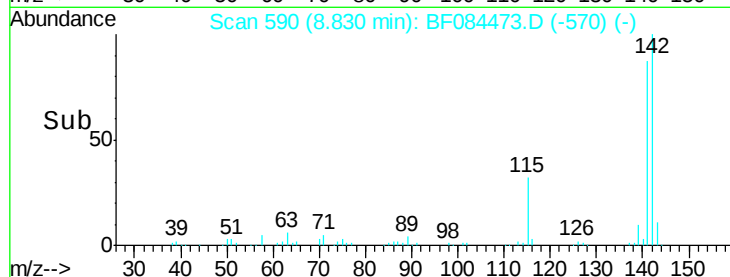
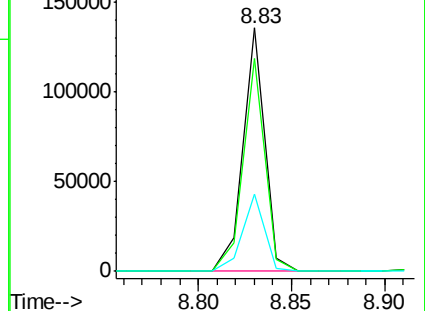
115 31.7 27.9 41.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.08 min

Lab File: BF084473.D

Acq: 14 Jan 2016 6:53

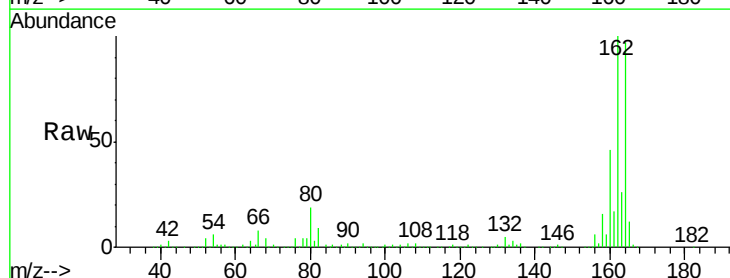
Tgt Ion:164 Resp: 507542

Ion Ratio Lower Upper

164 100

162 102.9 85.1 127.7

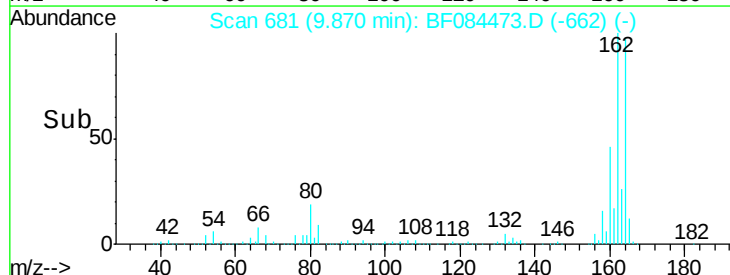
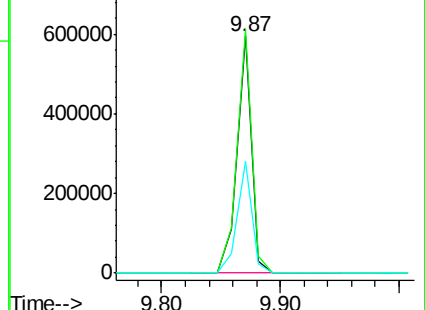
160 47.2 37.5 56.3

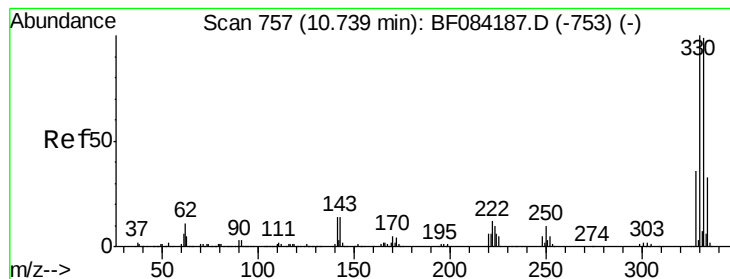


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

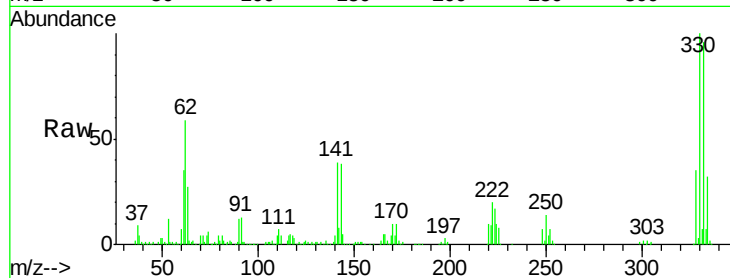




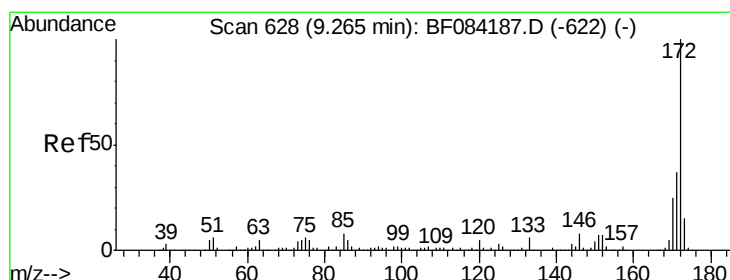
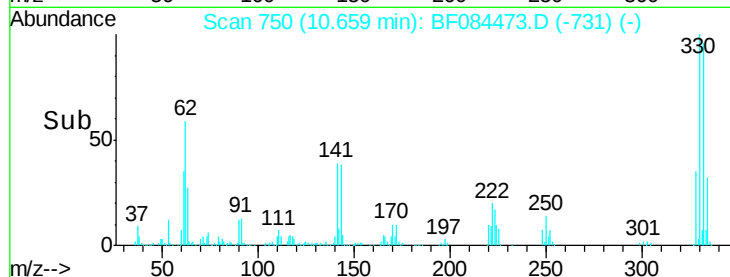
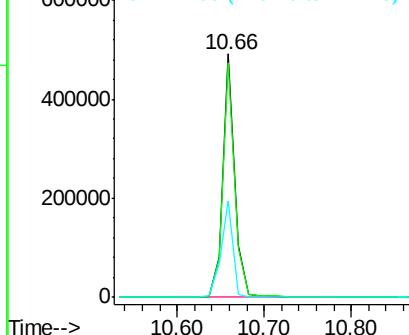
#41
 2,4,6-Tribromophenol
 Concen: 93.25 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.08 min
 Lab File: BF084473.D
 Acq: 14 Jan 2016 6:53

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP1

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.6	114.8
141	40.3	27.8	41.6

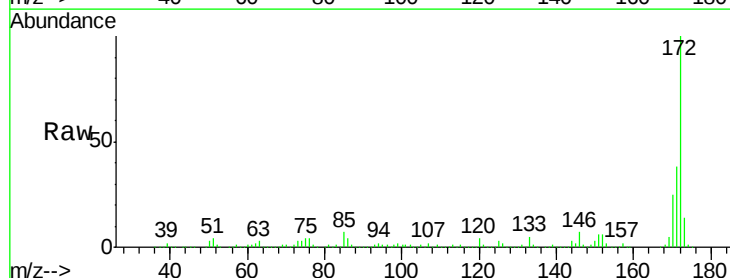


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

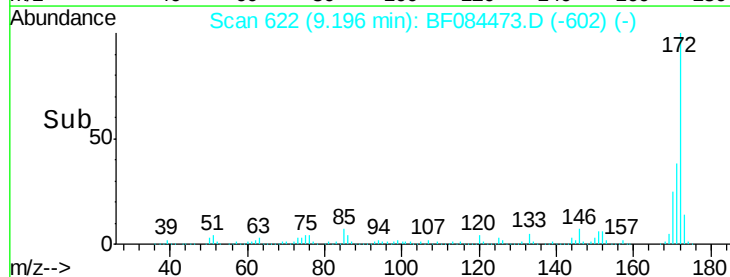
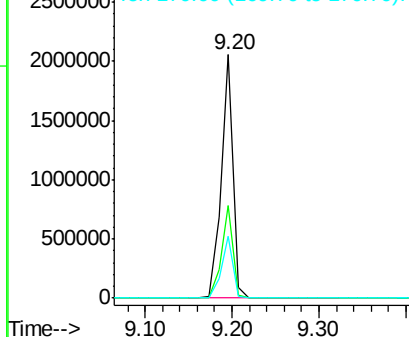


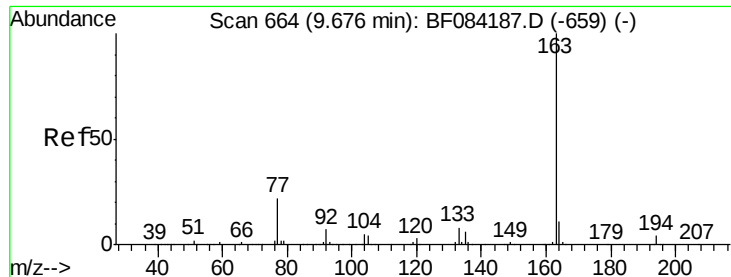
#44
 2-Fluorobiphenyl
 Concen: 66.84 ng
 RT: 9.20 min Scan# 622
 Delta R.T. -0.07 min
 Lab File: BF084473.D
 Acq: 14 Jan 2016 6:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.8	28.9	43.3
170	25.4	18.6	27.8



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

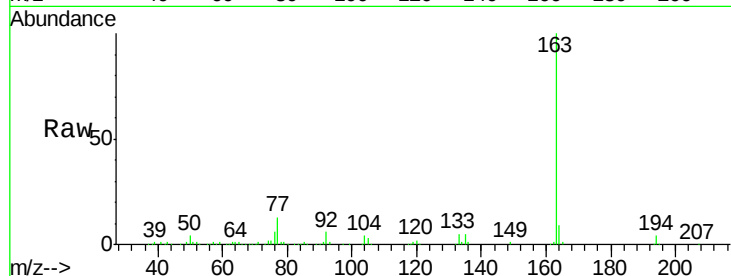




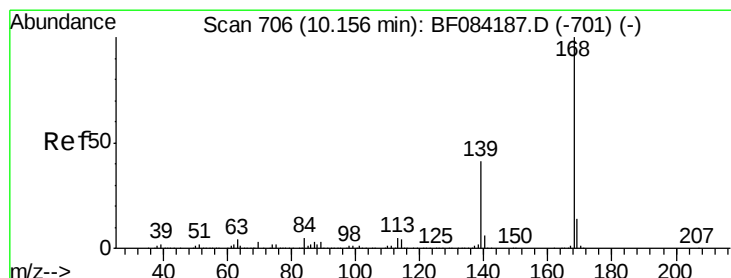
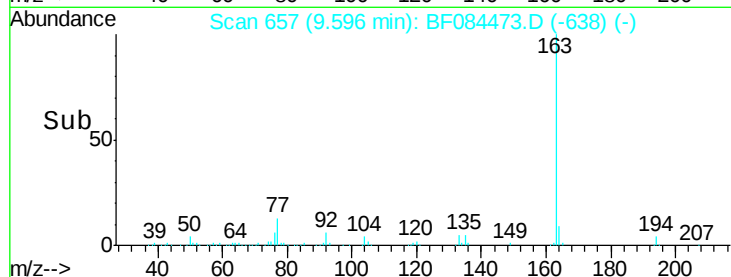
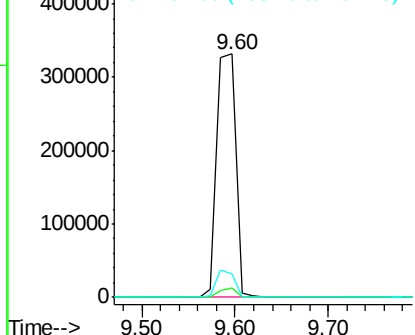
#49
Dimethylphthalate
Concen: 12.87 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.08 min
Lab File: BF084473.D
Acq: 14 Jan 2016 6:53

Instrument :
BNA_F
ClientSampleId :
TEC-COMP1

Tot Ion:163 Resp: 467143
Ion Ratio Lower Upper
163 100
194 3.7 8.0 12.0#
164 9.4 8.0 12.0

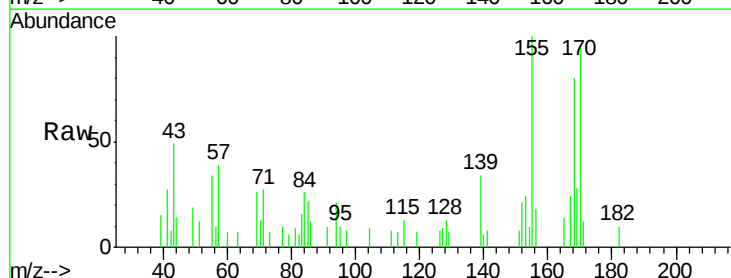


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

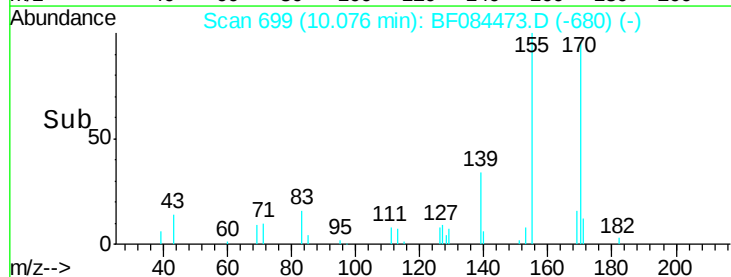
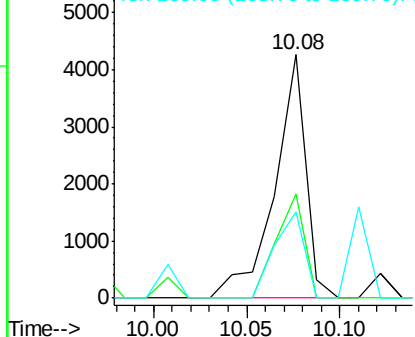


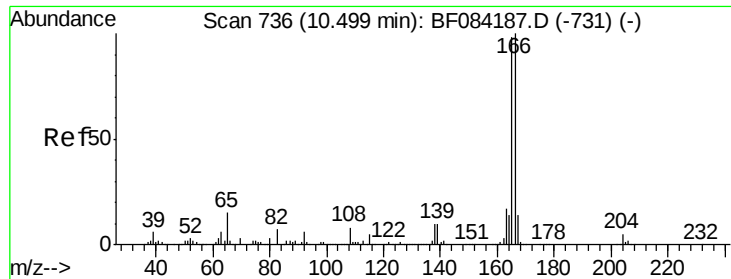
#54
Dibenzofuran
Concen: Below Cal
RT: 10.08 min Scan# 699
Delta R.T. -0.08 min
Lab File: BF084473.D
Acq: 14 Jan 2016 6:53

Tgt Ion:168 Resp: 4948
Ion Ratio Lower Upper
168 100
139 42.7 30.5 45.7
169 35.3 10.4 15.6#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: Below Cal

RT: 10.42 min Scan# 729

Delta R.T. -0.08 min

Lab File: BF084473.D

Acq: 14 Jan 2016 6:53

Instrument :

BNA_F

ClientSampleId :

TEC-COMP1

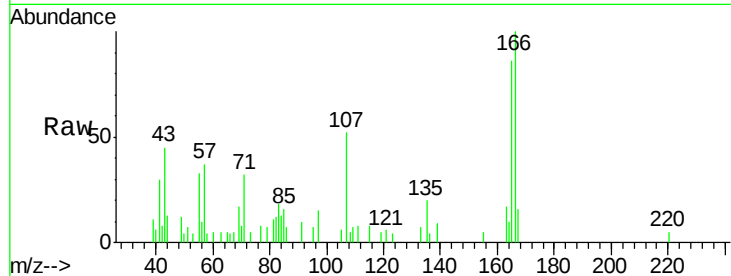
Tot Ion:166 Resp: 10635

Ion Ratio Lower Upper

166 100

165 85.8 79.1 118.7

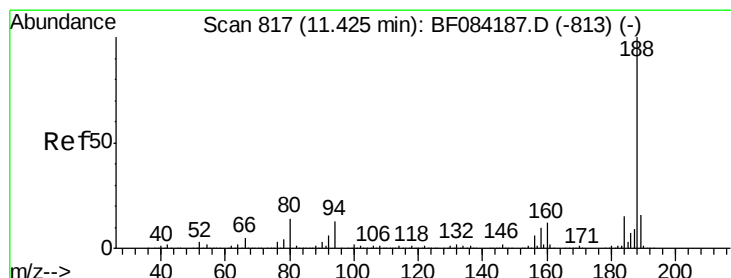
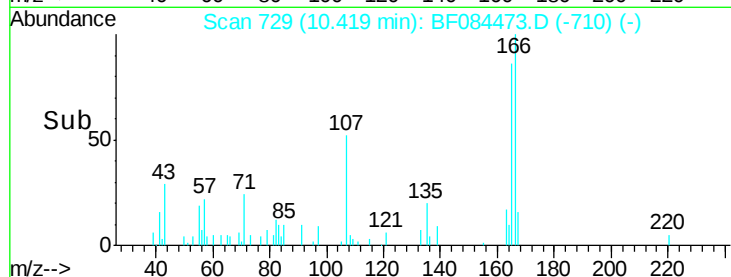
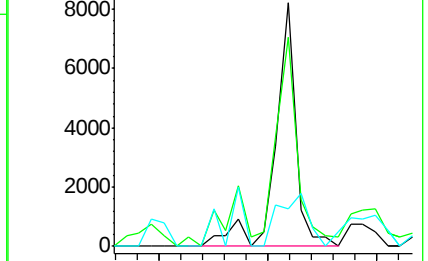
167 15.6 10.4 15.6#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 811

Delta R.T. -0.07 min

Lab File: BF084473.D

Acq: 14 Jan 2016 6:53

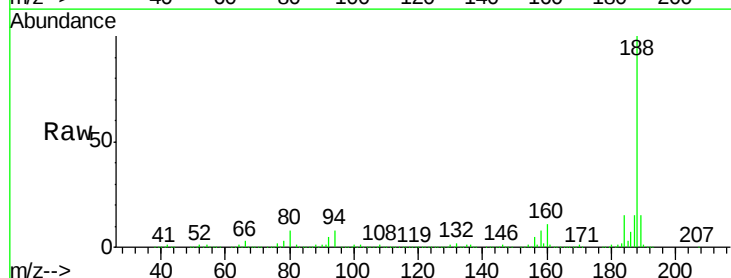
Tgt Ion:188 Resp: 919365

Ion Ratio Lower Upper

188 100

94 8.5 9.0 13.4#

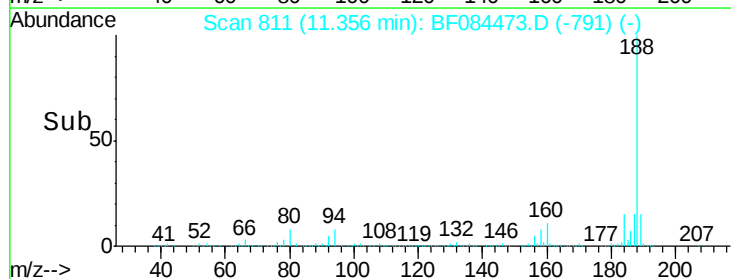
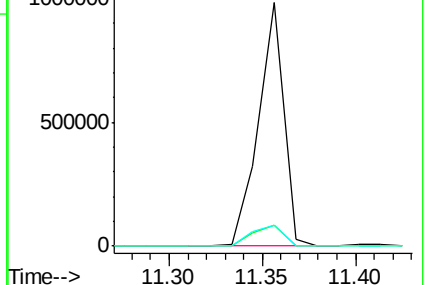
80 8.5 9.6 14.4#

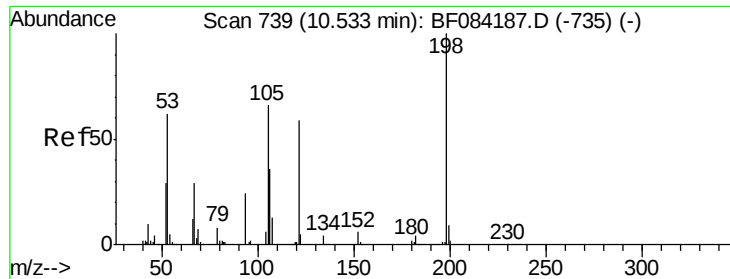


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 6.55 ng

RT: 10.66 min Scan# 750

Delta R.T. 0.13 min

Lab File: BF084473.D

Acq: 14 Jan 2016 6:53

Instrument :

BNA_F

ClientSampleId :

TEC-COMP1

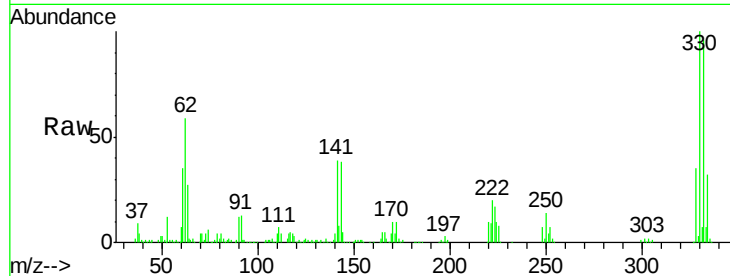
Tot Ion:198 Resp: 957

Ion Ratio Lower Upper

198 100

51 216.5 18.9 58.9#

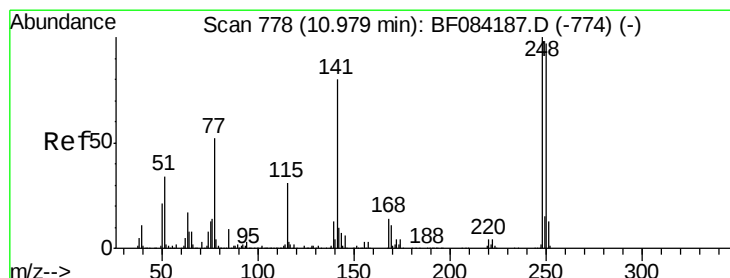
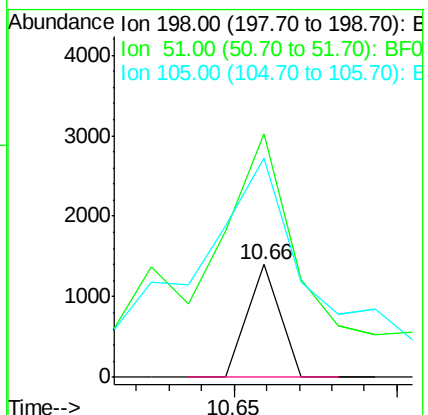
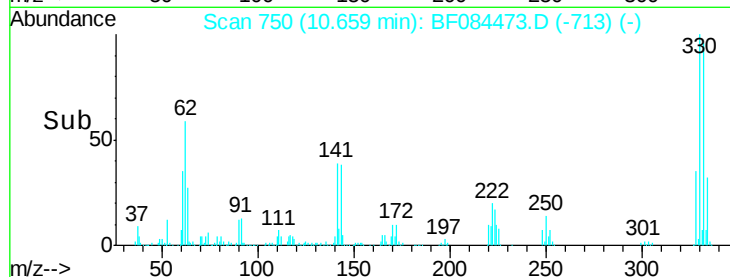
105 194.9 26.4 66.4#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.19 ng

RT: 10.66 min Scan# 750

Delta R.T. -0.32 min

Lab File: BF084473.D

Acq: 14 Jan 2016 6:53

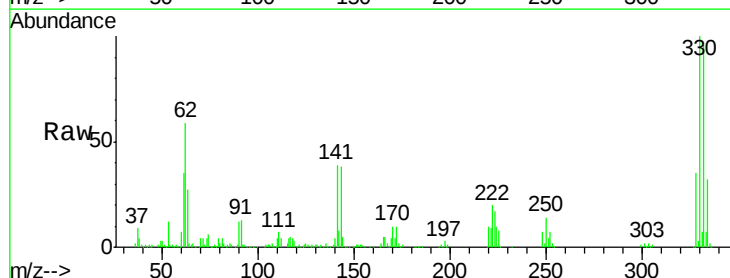
Tgt Ion:248 Resp: 31572

Ion Ratio Lower Upper

248 100

250 209.7 78.4 117.6#

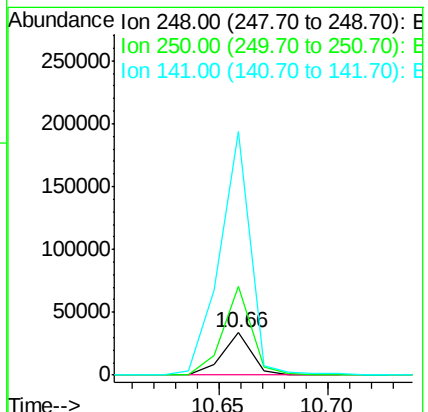
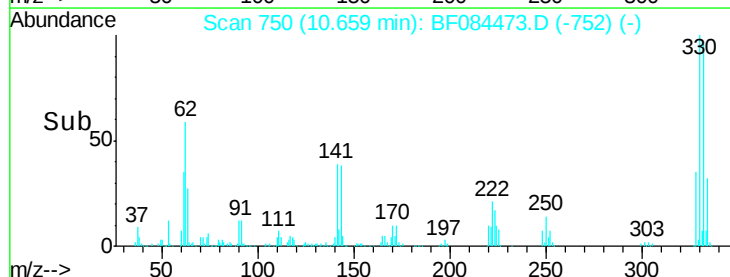
141 578.4 44.0 66.0#

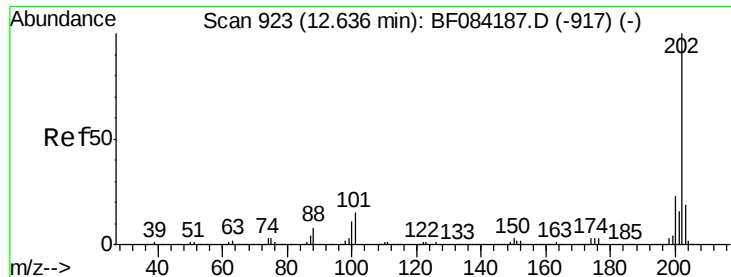


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

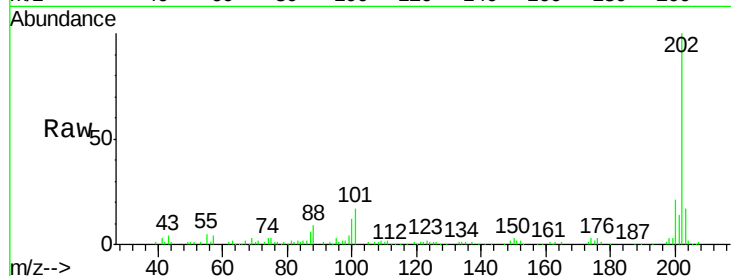




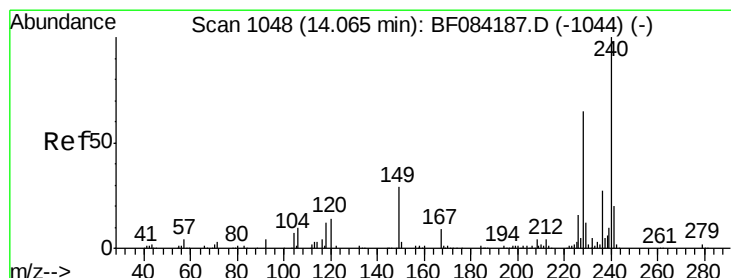
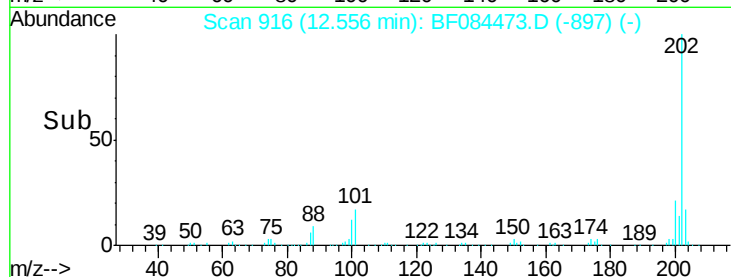
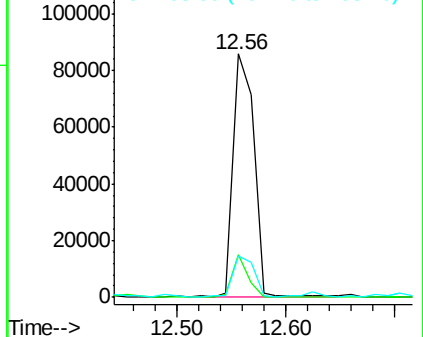
#74
 Fluoranthene
 Concen: 2.24 ng
 RT: 12.56 min Scan# 916
 Delta R.T. -0.08 min
 Lab File: BF084473.D
 Acq: 14 Jan 2016 6:53

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP1

Tot Ion	Ratio	Lower	Upper
202	100		
101	17.4	0.0	32.8
203	16.8	0.0	37.9

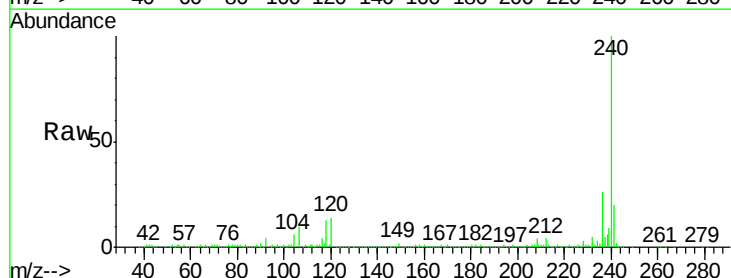


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

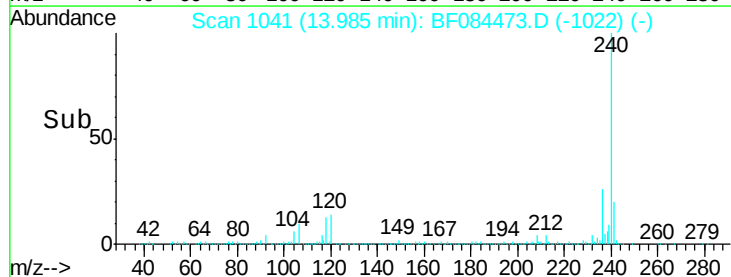
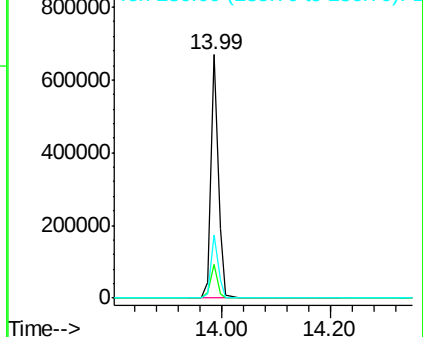


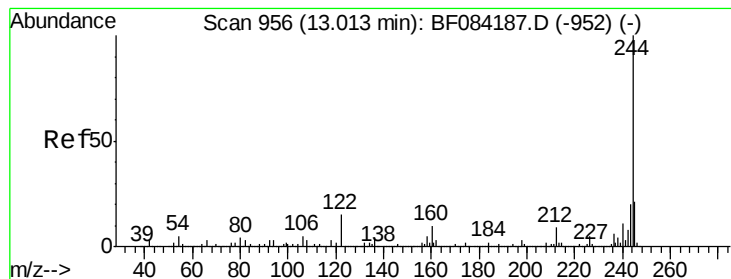
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.99 min Scan# 1041
 Delta R.T. -0.08 min
 Lab File: BF084473.D
 Acq: 14 Jan 2016 6:53

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.1	9.5	14.3
236	25.9	20.6	31.0



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





#78

Terphenyl-d14

Concen: 64.59 ng

RT: 12.94 min Scan# 950

Delta R.T. -0.07 min

Lab File: BF084473.D

Acq: 14 Jan 2016 6:53

Instrument :

BNA_F

ClientSampleId :

TEC-COMP1

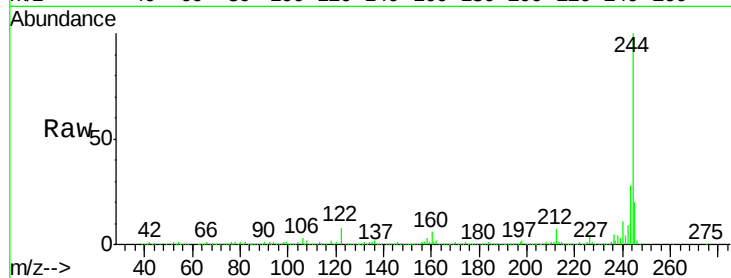
Tot Ion:244 Resp: 1850431

Ion Ratio Lower Upper

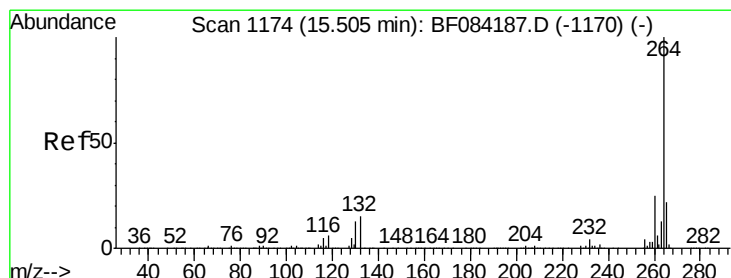
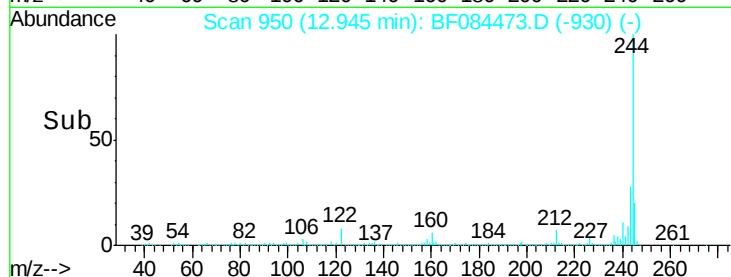
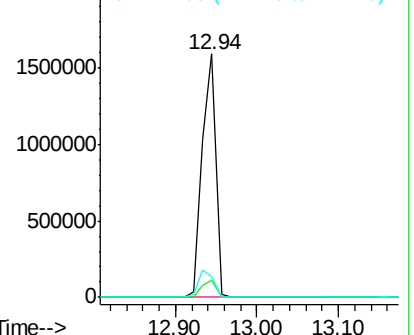
244 100

212 6.8 5.7 8.5

122 8.4 7.4 11.0



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.40 min Scan# 1165

Delta R.T. -0.10 min

Lab File: BF084473.D

Acq: 14 Jan 2016 6:53

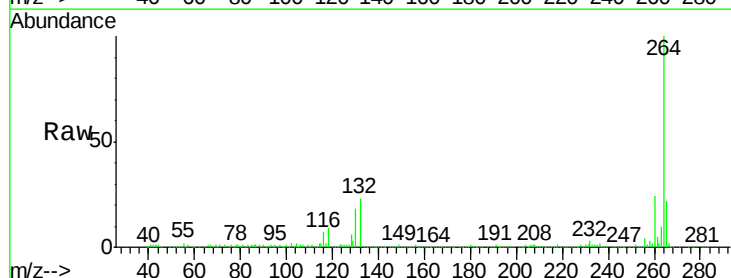
Tgt Ion:264 Resp: 494056

Ion Ratio Lower Upper

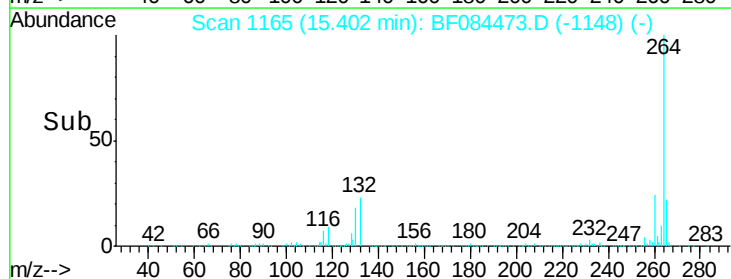
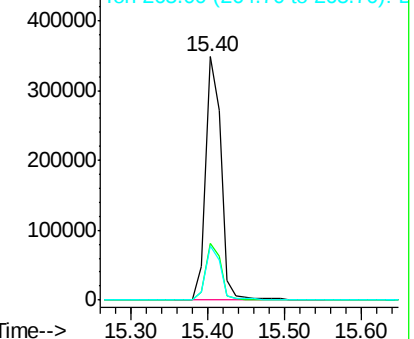
264 100

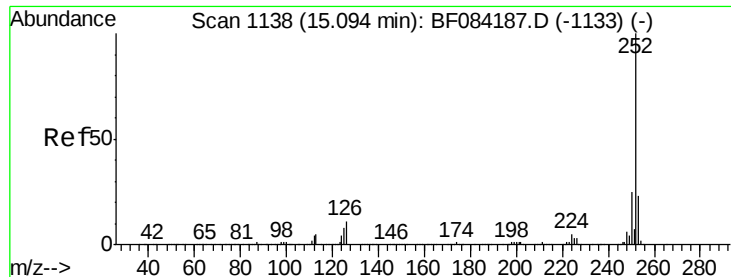
260 23.5 19.4 29.2

265 22.5 17.8 26.6



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: 2.10 ng

RT: 15.00 min Scan# 1130

Delta R.T. -0.09 min

Lab File: BF084473.D

Acq: 14 Jan 2016 6:53

Instrument :

BNA_F

ClientSampleId :

TEC-COMP1

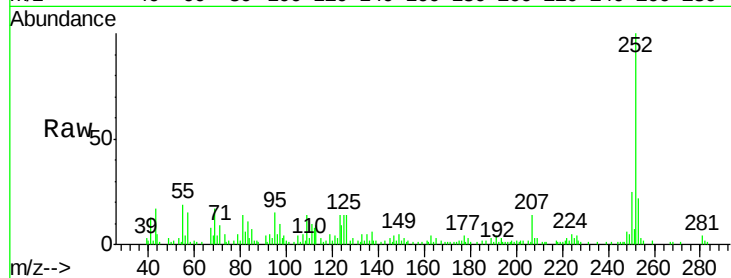
Tot Ion:252 Resp: 67709

Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

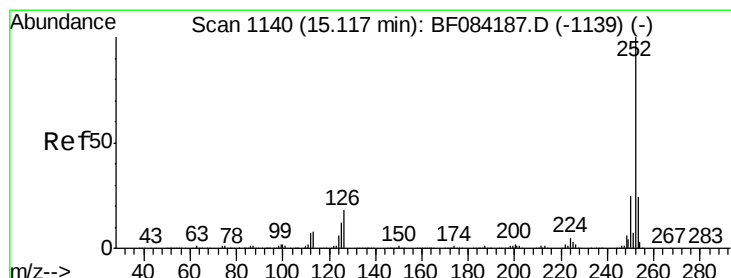
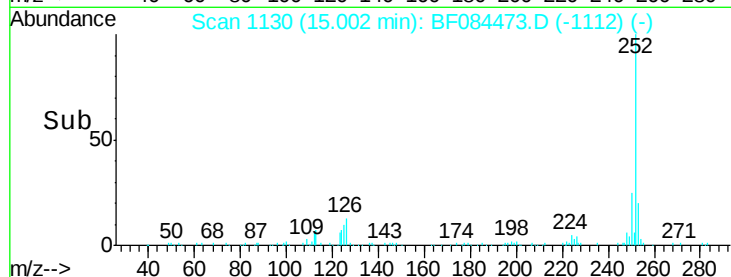
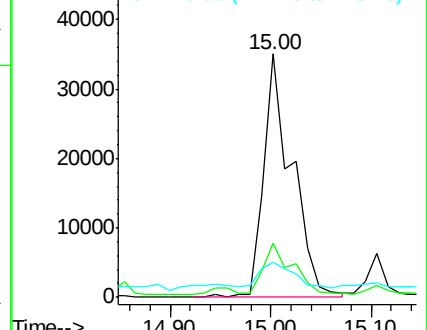
125 14.3 6.5 9.7#



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: 2.56 ng

RT: 15.00 min Scan# 1130

Delta R.T. -0.11 min

Lab File: BF084473.D

Acq: 14 Jan 2016 6:53

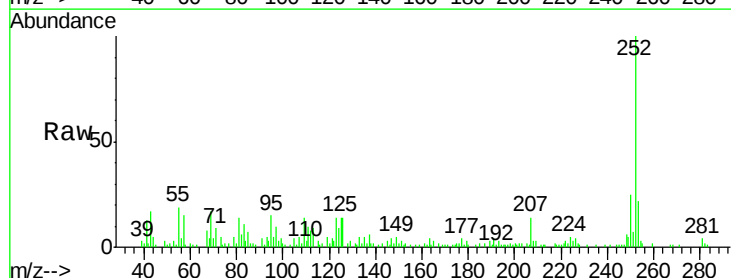
Tgt Ion:252 Resp: 67709

Ion Ratio Lower Upper

252 100

253 22.2 18.1 27.1

125 14.3 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

