

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010716\
 Data File : BF084320.D
 Acq On : 8 Jan 2016 1:33
 Operator : SJ/UM
 Sample : H1028-13
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BT003

Quant Time: Jan 08 04:45:19 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	6.86	152	242066	20.00	ng	-0.03
21) Naphthalene-d8	8.16	136	1014060	20.00	ng	-0.03
38) Acenaphthene-d10	9.90	164	469004	20.00	ng	-0.05
63) Phenanthrene-d10	11.39	188	853306	20.00	ng	-0.03
75) Chrysene-d12	14.02	240	642568	20.00	ng	-0.05
86) Perylene-d12	15.45	264	504680	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	1693807	113.18	ng	-0.01
7) Phenol-d6	6.51	99	1927022	102.52	ng	-0.02
23) Nitrobenzene-d5	7.44	82	1519701	83.41	ng	-0.03
41) 2,4,6-Tribromophenol	10.69	330	472879	99.87	ng	-0.05
44) 2-Fluorobiphenyl	9.23	172	2005520	74.44	ng	-0.03
78) Terphenyl-d14	12.98	244	2014896	69.99	ng	-0.03

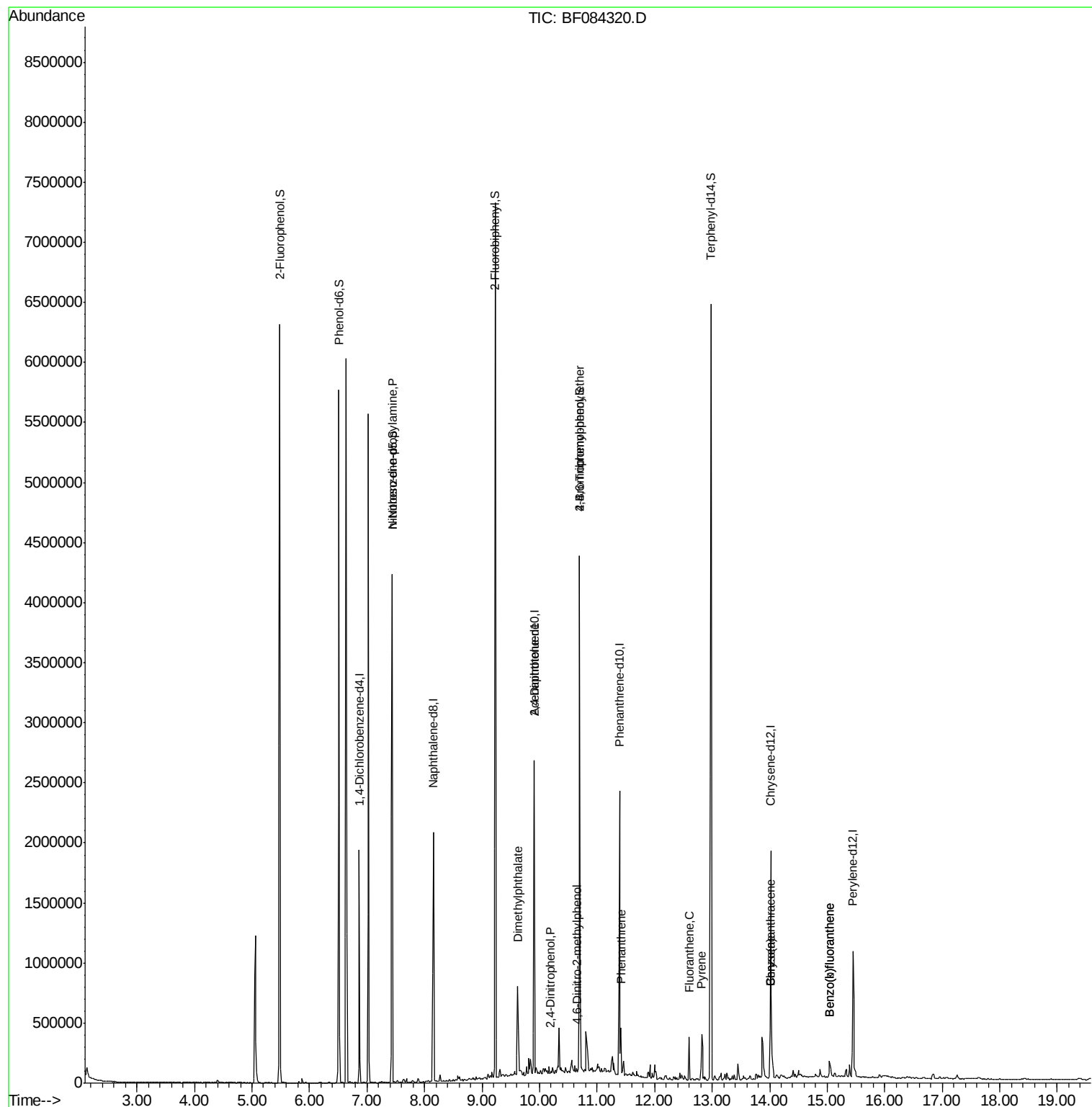
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.44	70	213474	16.78	ng	# 73
49) Dimethylphthalate	9.62	163	271515	8.10	ng	# 92
53) 2,4-Dinitrophenol	10.19	184	331	3.66	ng	# 17
54) Dibenzofuran	10.11	168	9325	Below Cal		# 95
56) 2,4-Dinitrotoluene	9.90	165	65364	7.02	ng	# 22
57) Fluorene	10.45	166	11968	Below Cal		# 92
60) 4-Chlorophenyl-phenylether	10.27	204	537	Below Cal		# 8
64) 4,6-Dinitro-2-methylphenol	10.65	198	247	6.46	ng	# 1
66) 4-Bromophenyl-phenylether	10.69	248	30405	3.31	ng	# 1
70) Phenanthrene	11.41	178	150324	3.37	ng	100
73) Di-n-butylphthalate	11.95	149	13709	Below Cal		# 95
74) Fluoranthene	12.60	202	206294	4.42	ng	91
77) Pyrene	12.82	202	209536	4.16	ng	98
80) Benzo(a)anthracene	14.01	228	102285	2.71	ng	98
82) Chrysene	14.01	228	102285	2.82	ng	95
87) Benzo(b)fluoranthene	15.04	252	100861	3.06	ng	# 90
88) Benzo(k)fluoranthene	15.04	252	100861	3.74	ng	95

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

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QLast Update : Mon Jan 04 12:22:40 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.03 min

Lab File: BF084320.D

Acq: 8 Jan 2016 1:33

Instrument :

BNA_F

ClientSampleId :

BT003

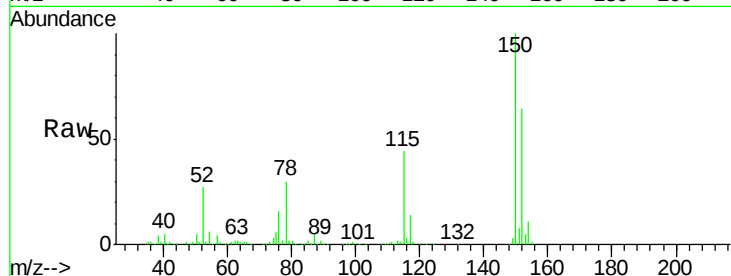
Tgt Ion:152 Resp: 242066

Ion Ratio Lower Upper

152 100

150 157.4 123.0 184.4

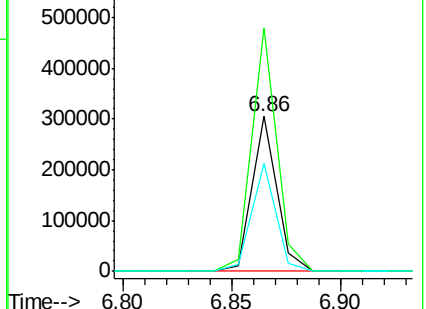
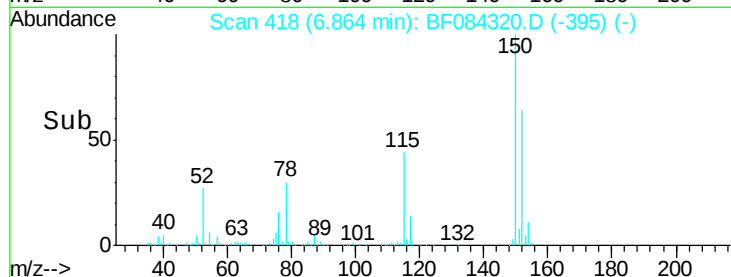
115 69.4 51.4 77.2



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: 113.18 ng

RT: 5.48 min Scan# 297

Delta R.T. -0.01 min

Lab File: BF084320.D

Acq: 8 Jan 2016 1:33

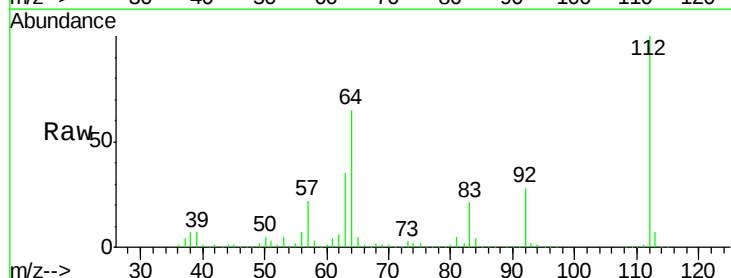
Tgt Ion:112 Resp: 1693807

Ion Ratio Lower Upper

112 100

64 65.4 36.6 55.0#

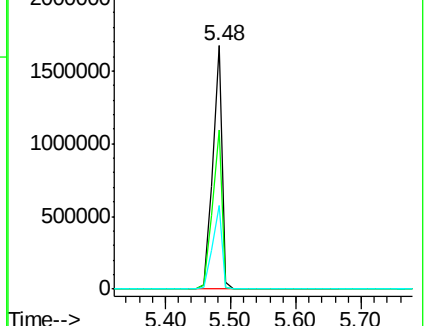
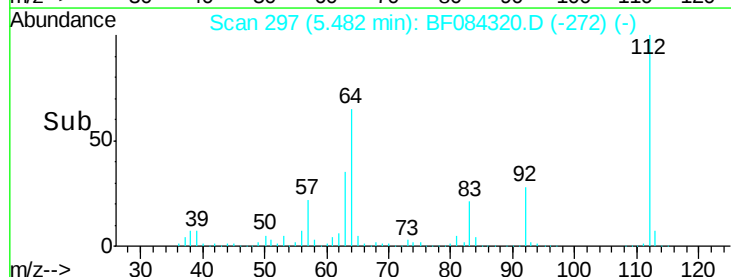
63 34.6 19.4 29.0#



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: 102.52 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.02 min

Lab File: BF084320.D

Acq: 8 Jan 2016 1:33

Instrument :

BNA_F

ClientSampled :

BT003

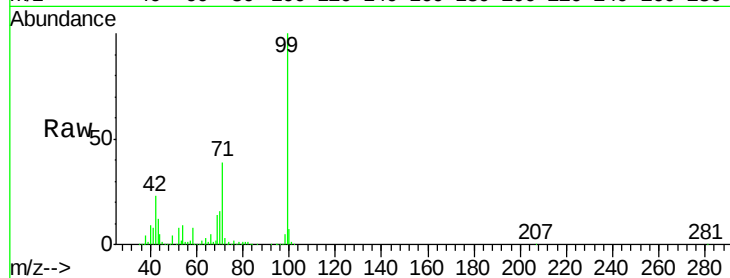
Tgt Ion: 99 Resp: 1927022

Ion Ratio Lower Upper

99 100

42 22.6 12.8 19.2#

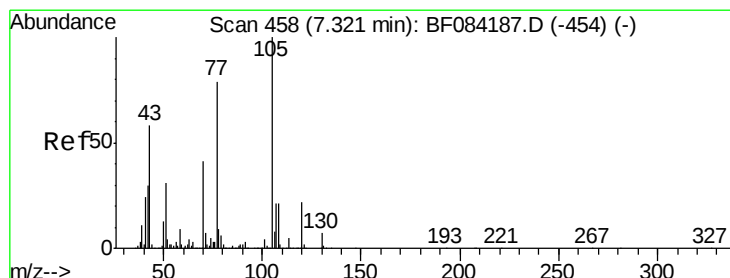
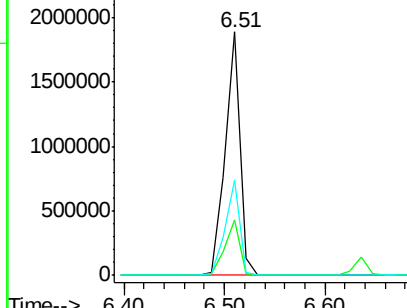
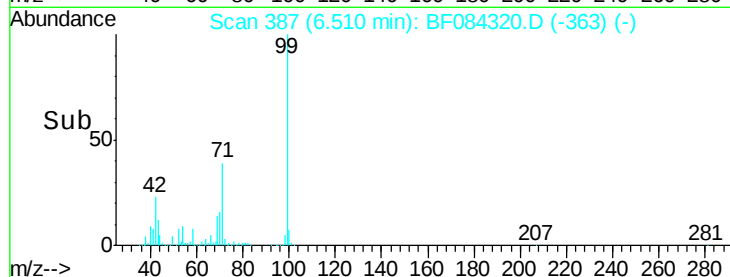
71 38.9 30.9 46.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.78 ng

RT: 7.44 min Scan# 468

Delta R.T. 0.11 min

Lab File: BF084320.D

Acq: 8 Jan 2016 1:33

Tgt Ion: 70 Resp: 213474

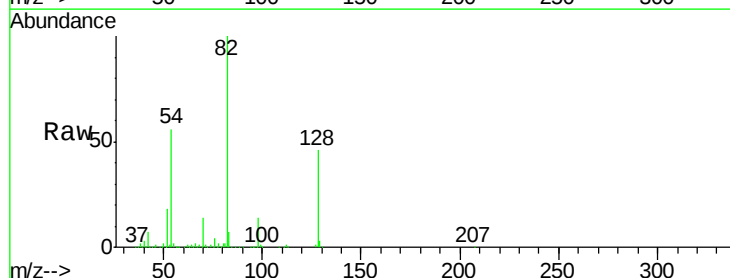
Ion Ratio Lower Upper

70 100

42 47.8 33.3 49.9

101 0.0 9.3 13.9#

130 2.0 23.4 35.0#

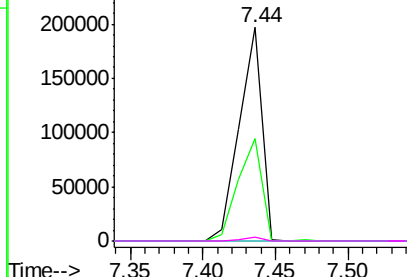
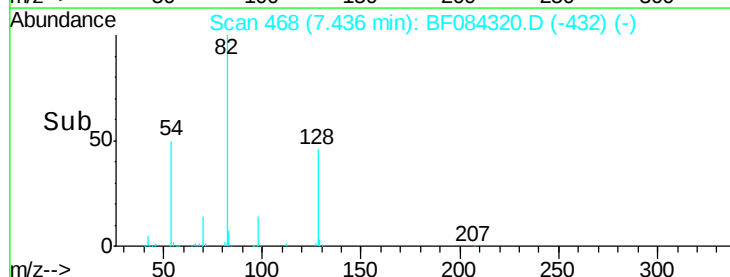


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.16 min Scan# 531

Delta R.T. -0.03 min

Lab File: BF084320.D

Acq: 8 Jan 2016 1:33

Instrument :

BNA_F

ClientSampleId :

BT003

Tgt Ion:136 Resp: 1014060

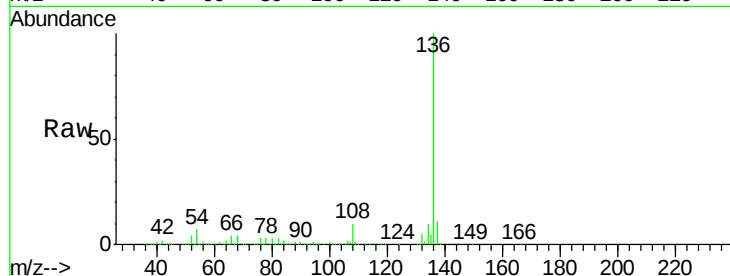
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 7.4 5.8 8.8

68 4.4 4.2 6.2

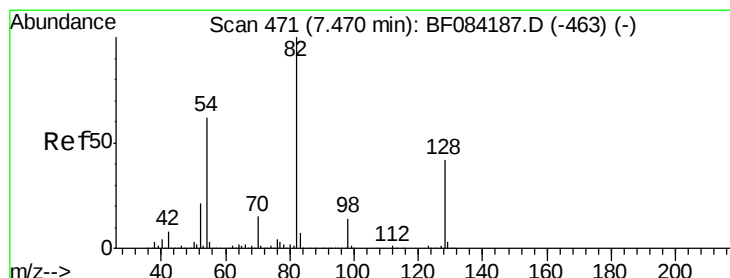
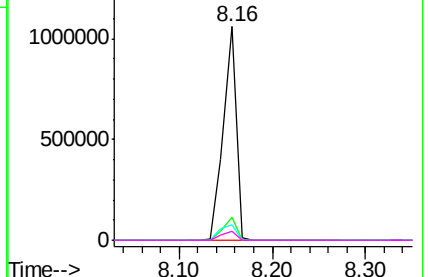
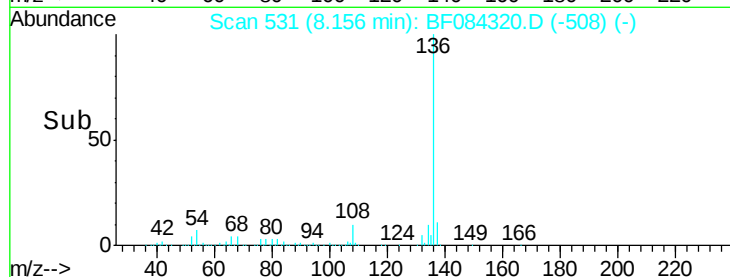


Abundance Ion 136.00 (135.70 to 136.70): E

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: 83.41 ng

RT: 7.44 min Scan# 468

Delta R.T. -0.03 min

Lab File: BF084320.D

Acq: 8 Jan 2016 1:33

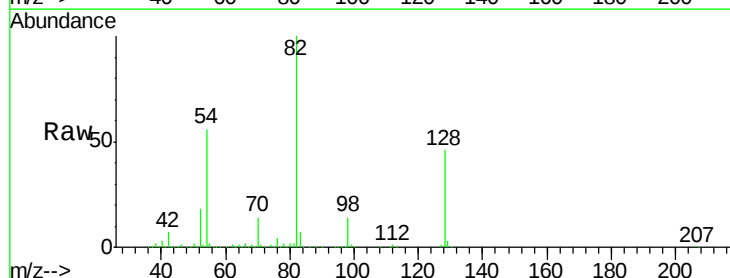
Tgt Ion: 82 Resp: 1519701

Ion Ratio Lower Upper

82 100

128 46.3 34.6 51.8

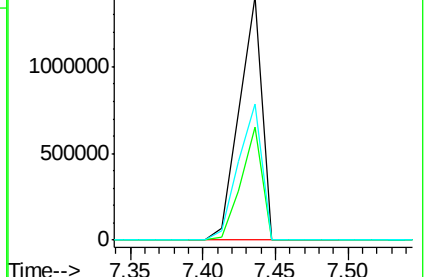
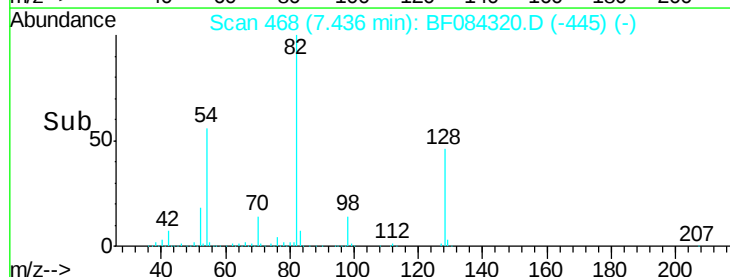
54 56.1 38.4 57.6

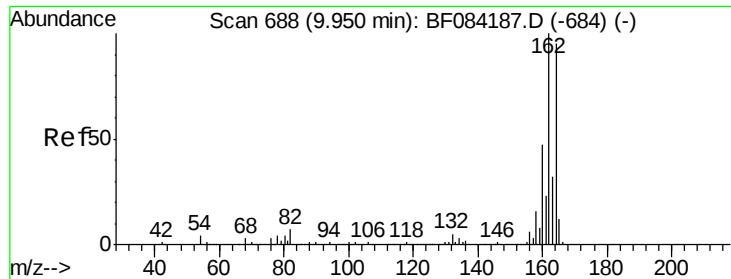


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.05 min

Lab File: BF084320.D

Acq: 8 Jan 2016 1:33

Instrument :

BNA_F

ClientSampleId :

BT003

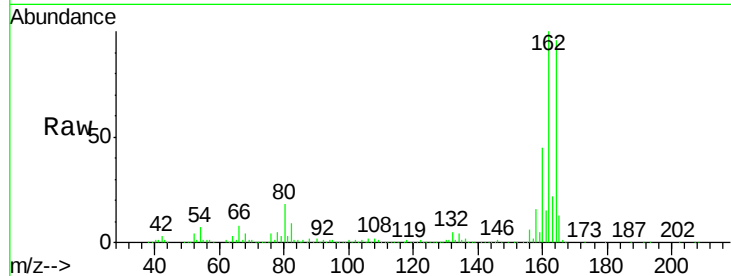
Tgt Ion:164 Resp: 469004

Ion Ratio Lower Upper

164 100

162 103.7 85.1 127.7

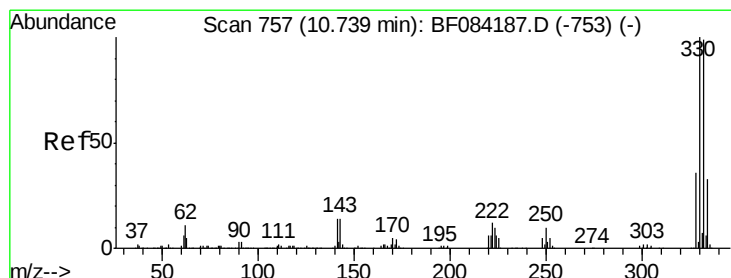
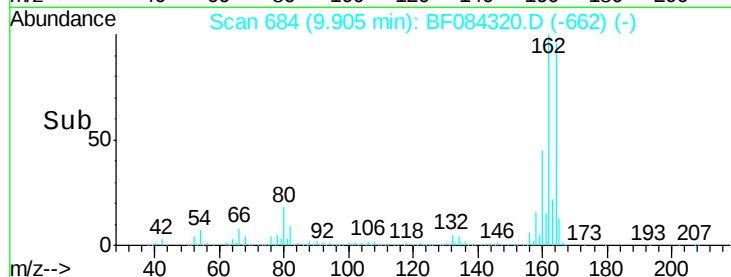
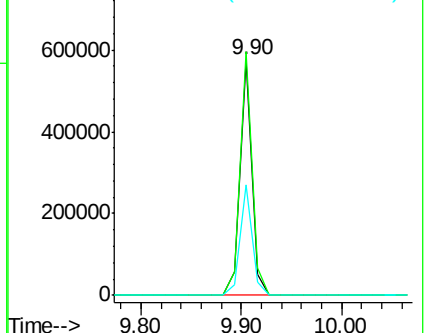
160 46.9 37.5 56.3



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: 99.87 ng

RT: 10.69 min Scan# 753

Delta R.T. -0.05 min

Lab File: BF084320.D

Acq: 8 Jan 2016 1:33

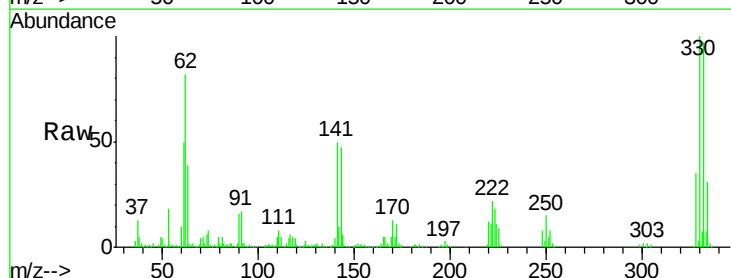
Tgt Ion:330 Resp: 472879

Ion Ratio Lower Upper

330 100

332 95.5 76.6 114.8

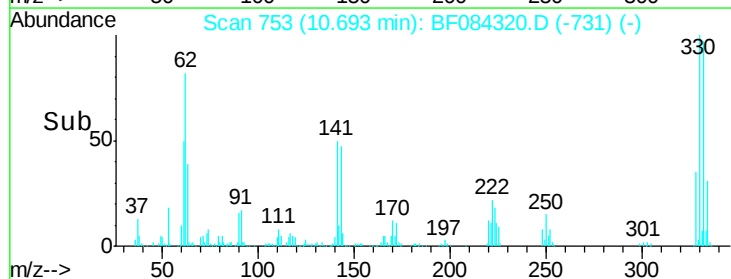
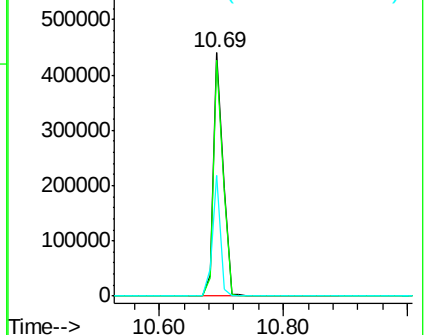
141 41.5 27.8 41.6

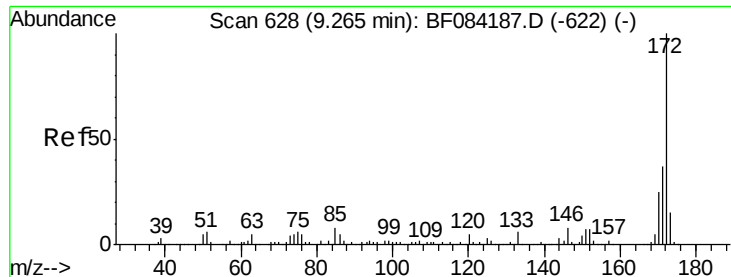


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

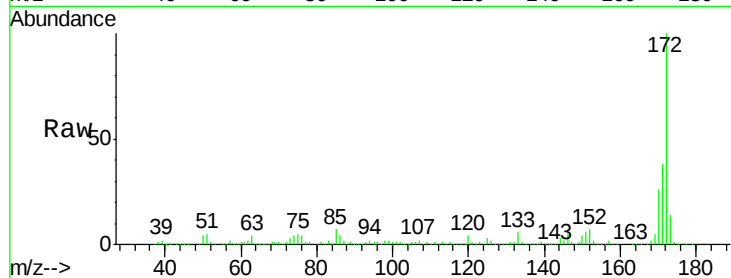




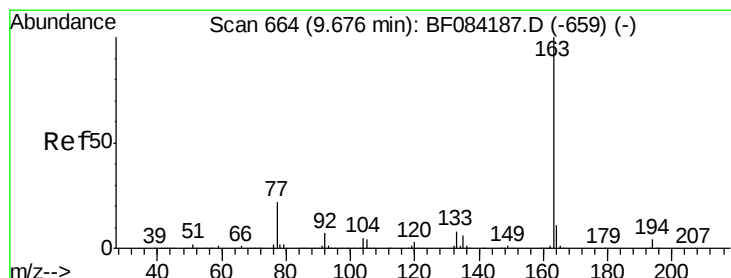
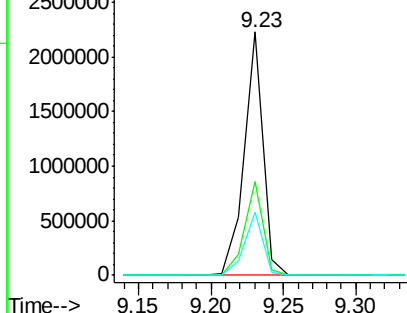
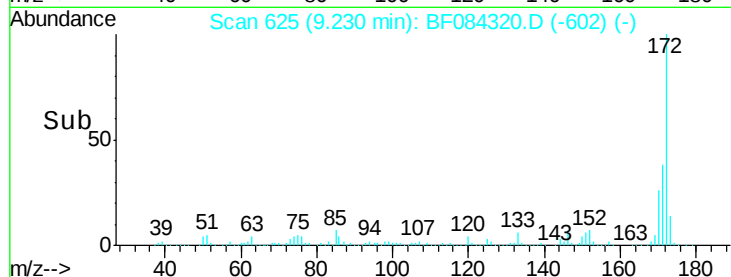
#44
 2-Fluorobiphenyl
 Concen: 74.44 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.03 min
 Lab File: BF084320.D
 Acq: 8 Jan 2016 1:33

Instrument :
 BNA_F
 ClientSampleId :
 BT003

Tgt Ion:172 Resp: 2005520
 Ion Ratio Lower Upper
 172 100
 171 38.3 28.9 43.3
 170 26.1 18.6 27.8

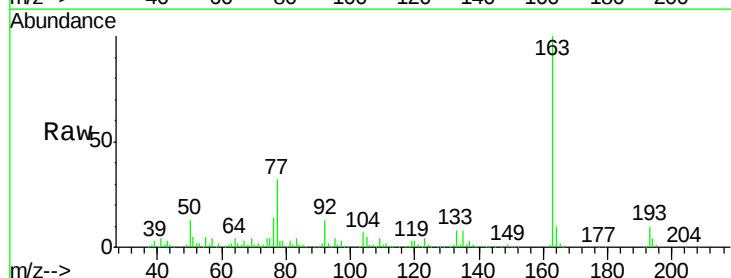


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

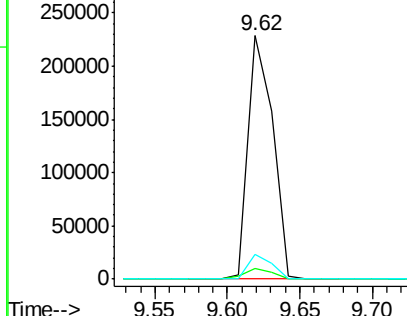
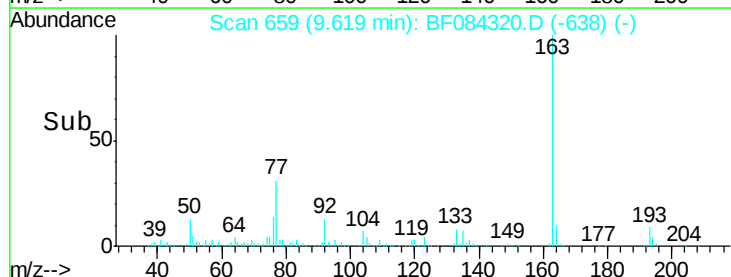


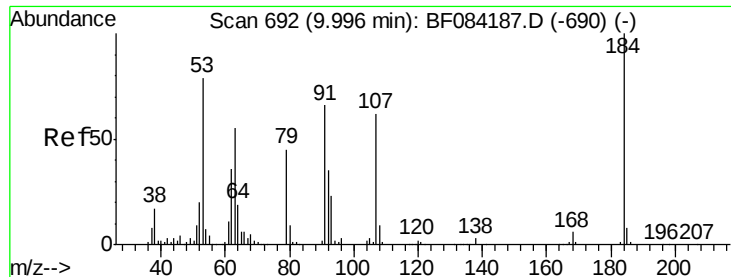
#49
 Dimethylphthalate
 Concen: 8.10 ng
 RT: 9.62 min Scan# 659
 Delta R.T. -0.06 min
 Lab File: BF084320.D
 Acq: 8 Jan 2016 1:33

Tgt Ion:163 Resp: 271515
 Ion Ratio Lower Upper
 163 100
 194 4.3 8.0 12.0#
 164 10.3 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

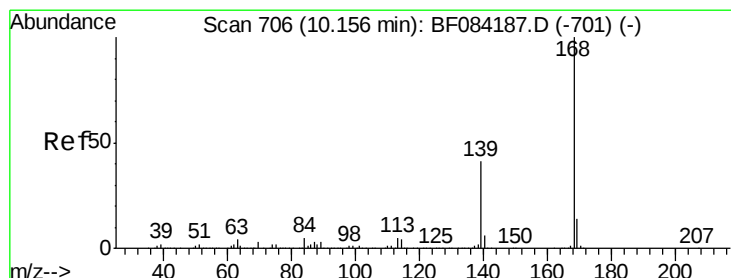
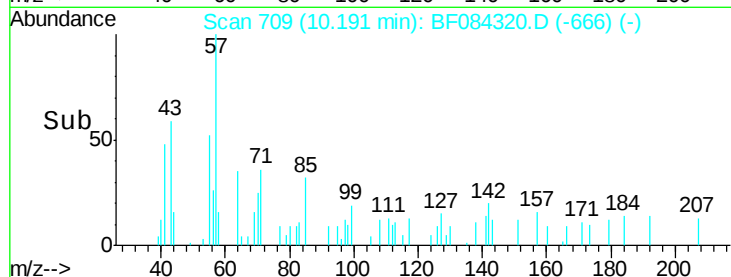
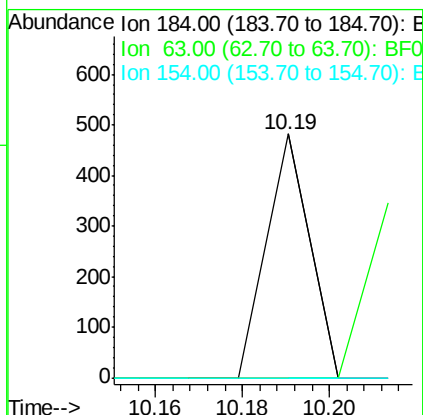
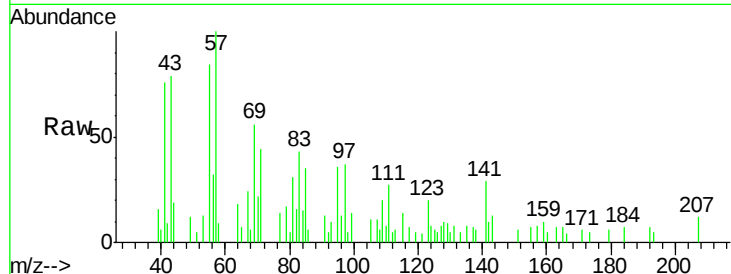




#53
2,4-Dinitrophenol
Concen: 3.66 ng
RT: 10.19 min Scan# 709
Delta R.T. 0.19 min
Lab File: BF084320.D
Acq: 8 Jan 2016 1:33

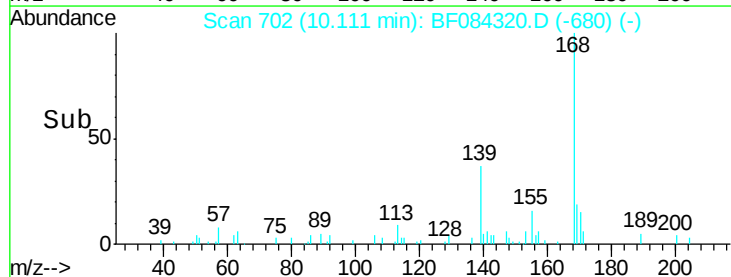
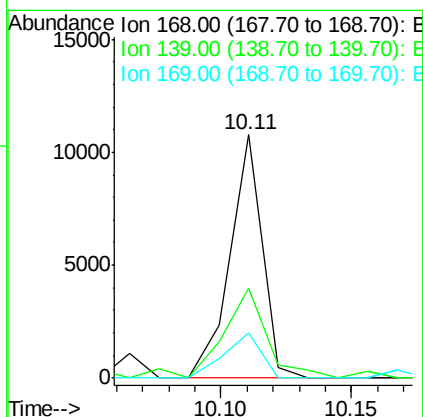
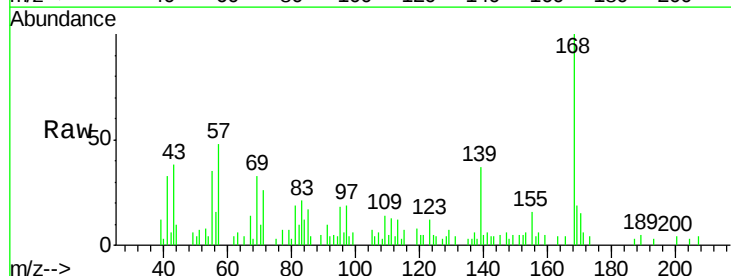
Instrument :
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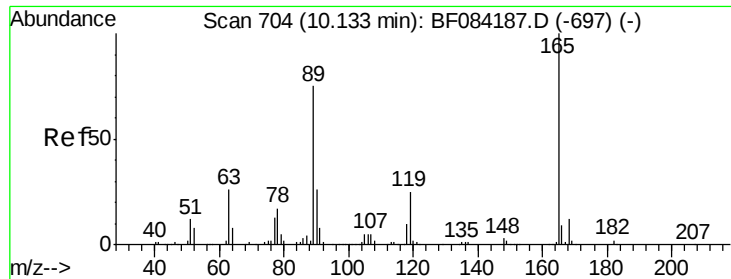
Tgt Ion:184 Resp: 331
Ion Ratio Lower Upper
184 100
63 0.0 43.1 64.7#
154 0.0 60.5 90.7#



#54
Dibenzofuran
Concen: Below Cal
RT: 10.11 min Scan# 702
Delta R.T. -0.05 min
Lab File: BF084320.D
Acq: 8 Jan 2016 1:33

Tgt Ion:168 Resp: 9325
Ion Ratio Lower Upper
168 100
139 36.8 30.5 45.7
169 18.7 10.4 15.6#

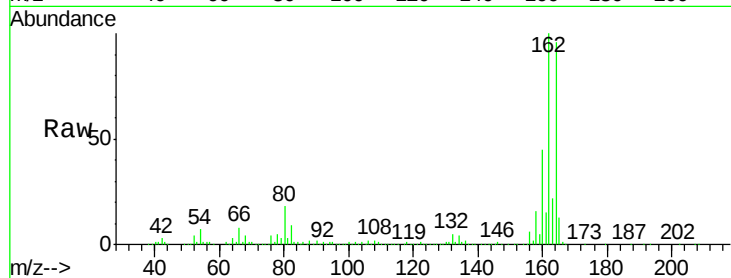




#56
2,4-Dinitrotoluene
Concen: 7.02 ng
RT: 9.90 min Scan# 684
Delta R.T. -0.23 min
Lab File: BF084320.D
Acq: 8 Jan 2016 1:33

Instrument :
BNA_F
ClientSampleId :
BT003

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	36.7	55.1#
89	1.8	61.9	92.9#
182	0.0	2.0	3.0#

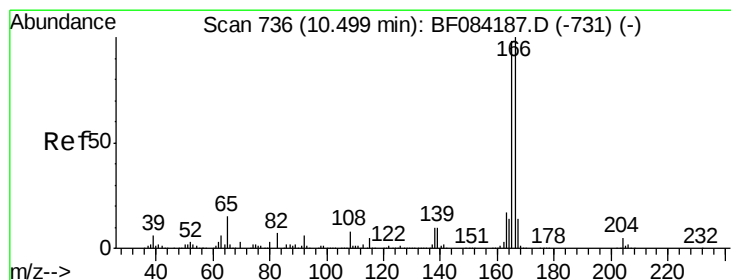
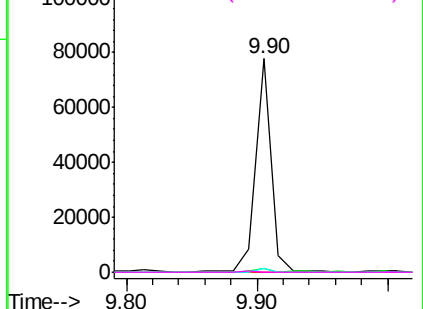
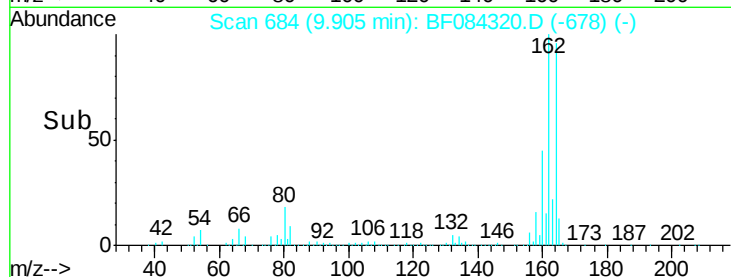


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

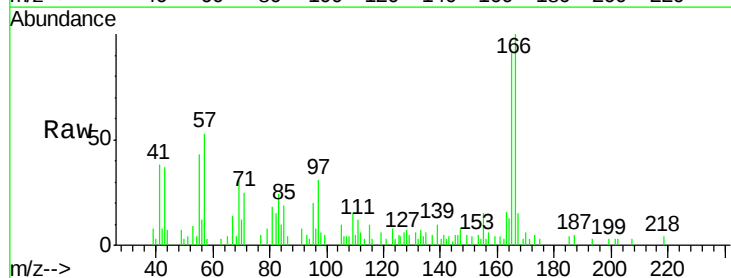
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57
Fluorene
Concen: Below Cal
RT: 10.45 min Scan# 732
Delta R.T. -0.04 min
Lab File: BF084320.D
Acq: 8 Jan 2016 1:33

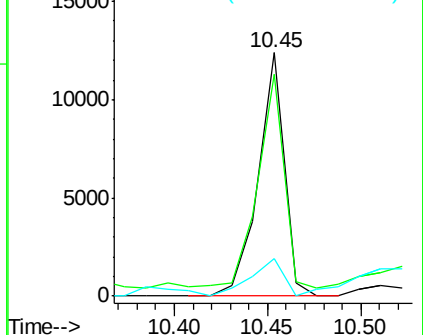
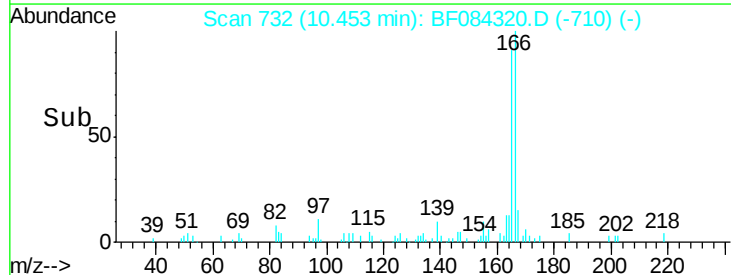
Tgt Ion	Ratio	Lower	Upper
166	100		
165	91.0	79.1	118.7
167	15.3	10.4	15.6

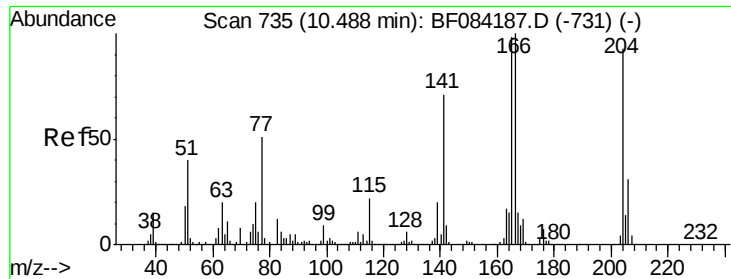


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

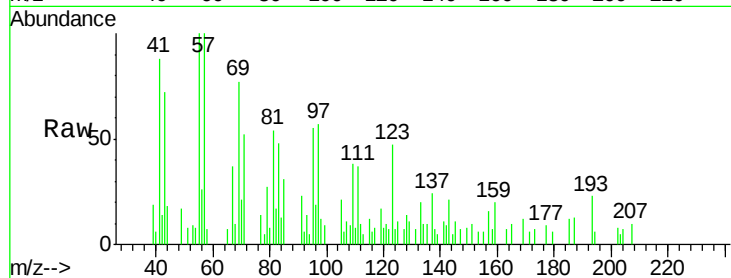




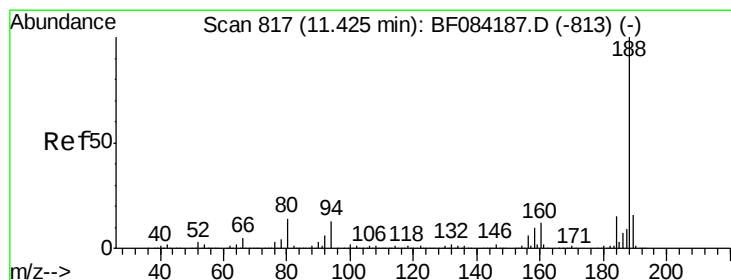
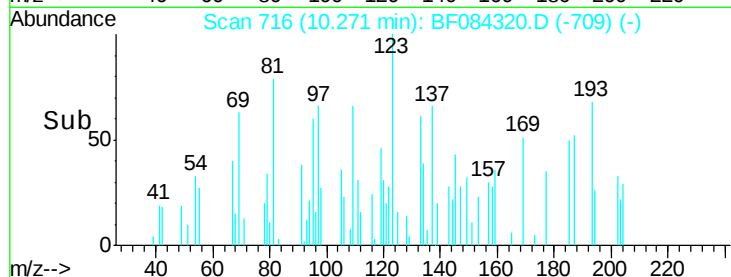
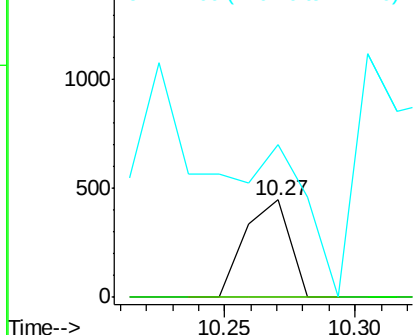
#60
4-Chlorophenyl-phenylether
Concen: Below Cal
RT: 10.27 min Scan# 716
Delta R.T. -0.22 min
Lab File: BF084320.D
Acq: 8 Jan 2016 1:33

Instrument :
BNA_F
ClientSampleId :
BT003

Tgt Ion:204 Resp: 537
Ion Ratio Lower Upper
204 100
206 0.0 25.7 38.5#
141 157.0 55.1 82.7#

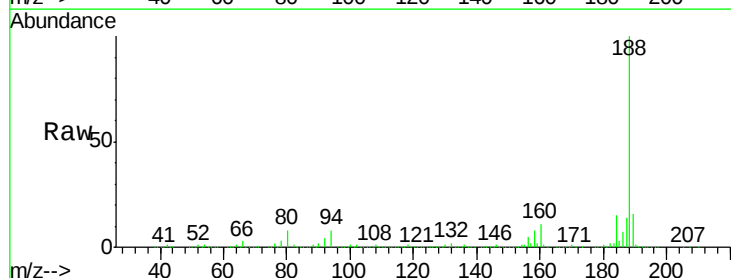


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

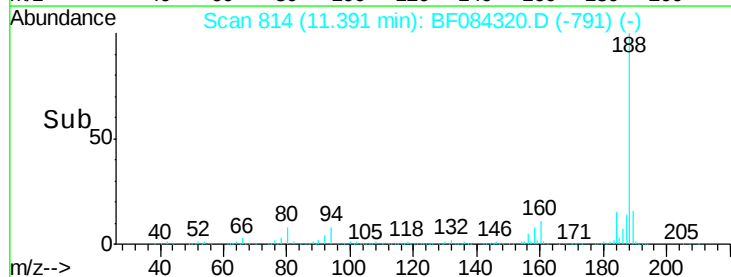
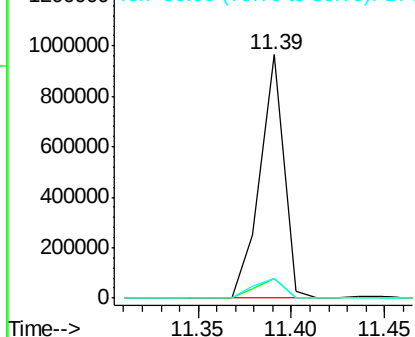


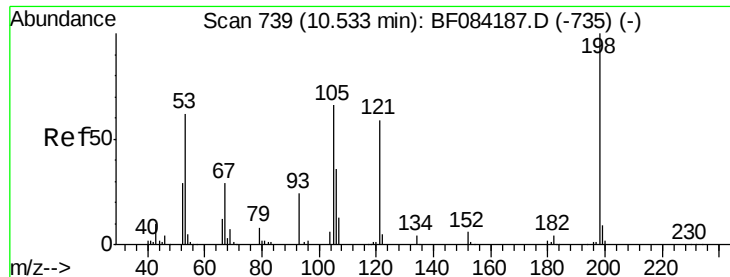
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.03 min
Lab File: BF084320.D
Acq: 8 Jan 2016 1:33

Tgt Ion:188 Resp: 853306
Ion Ratio Lower Upper
188 100
94 8.1 9.0 13.4#
80 8.3 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

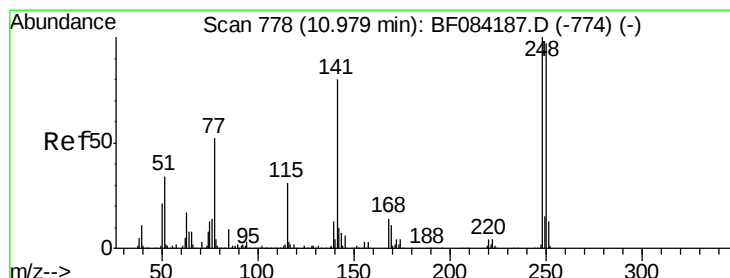
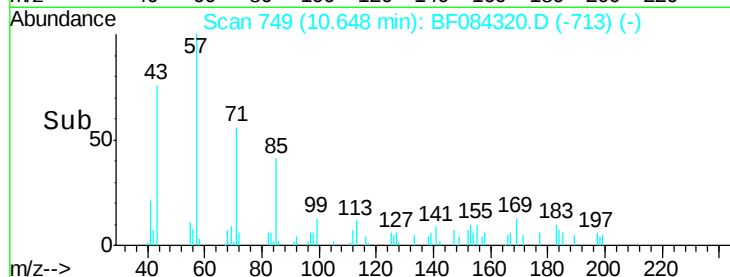
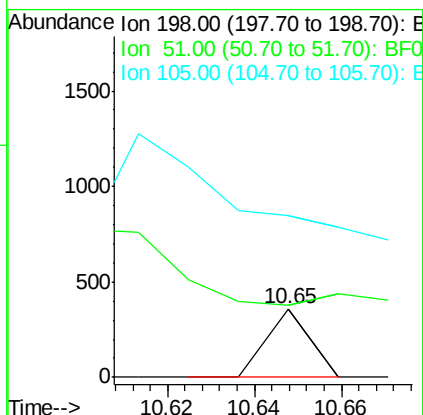
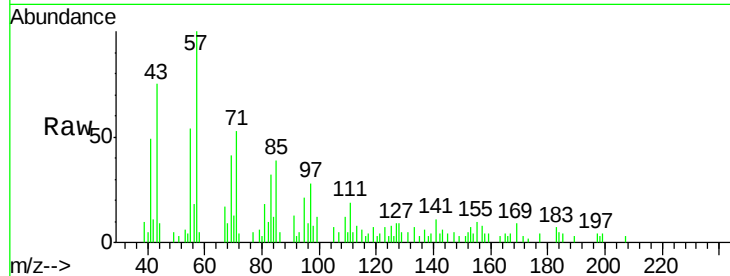




#64
4,6-Dinitro-2-methylphenol
Concen: 6.46 ng
RT: 10.65 min Scan# 749
Delta R.T. 0.11 min
Lab File: BF084320.D
Acq: 8 Jan 2016 1:33

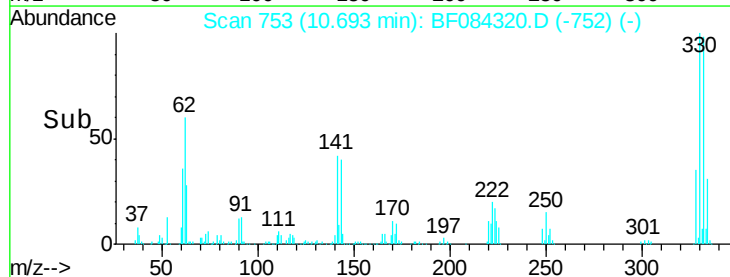
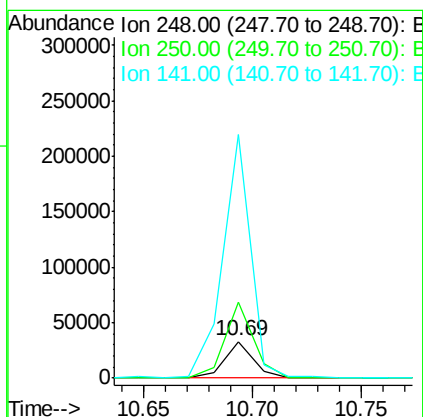
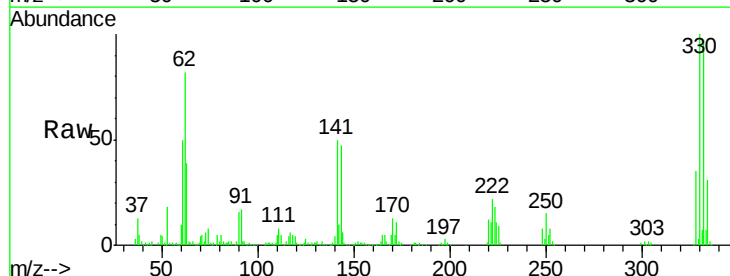
Instrument :
BNA_F
ClientSampleId :
BT003

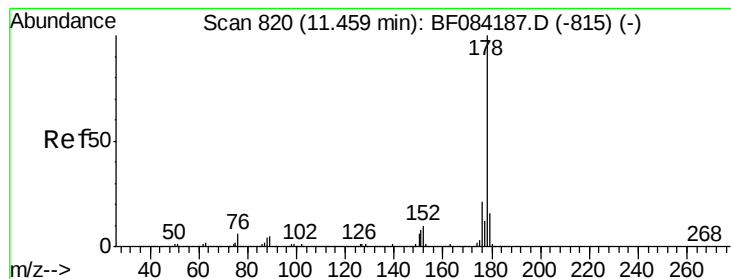
Tgt Ion:198 Resp: 247
Ion Ratio Lower Upper
198 100
51 105.8 18.9 58.9#
105 235.0 26.4 66.4#



#66
4-Bromophenyl-phenylether
Concen: 3.31 ng
RT: 10.69 min Scan# 753
Delta R.T. -0.29 min
Lab File: BF084320.D
Acq: 8 Jan 2016 1:33

Tgt Ion:248 Resp: 30405
Ion Ratio Lower Upper
248 100
250 204.5 78.4 117.6#
141 660.1 44.0 66.0#





#70

Phenanthrene

Concen: 3.37 ng

RT: 11.41 min Scan# 816

Delta R.T. -0.05 min

Lab File: BF084320.D

Acq: 8 Jan 2016 1:33

Instrument :

BNA_F

ClientSampleId :

BT003

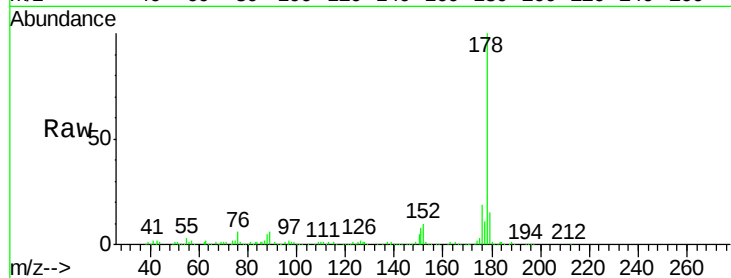
Tgt Ion:178 Resp: 150324

Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

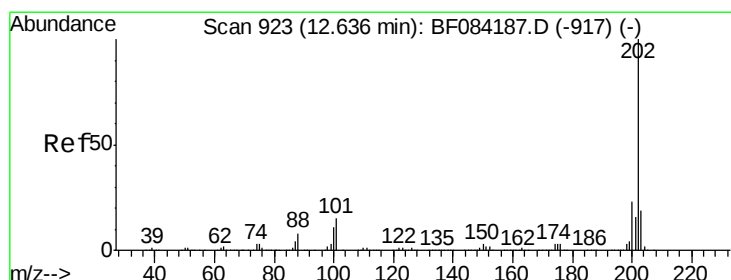
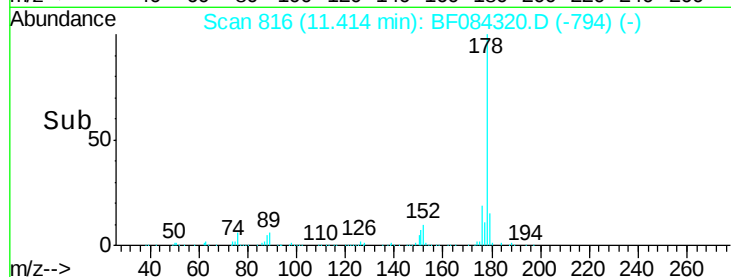
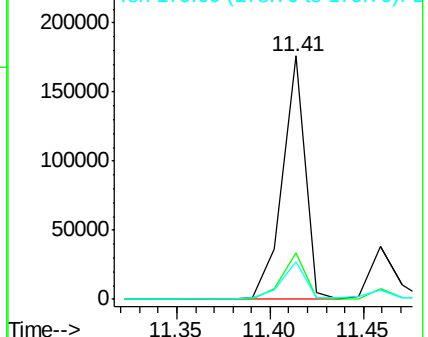
179 15.4 12.0 18.0



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: 4.42 ng

RT: 12.60 min Scan# 920

Delta R.T. -0.03 min

Lab File: BF084320.D

Acq: 8 Jan 2016 1:33

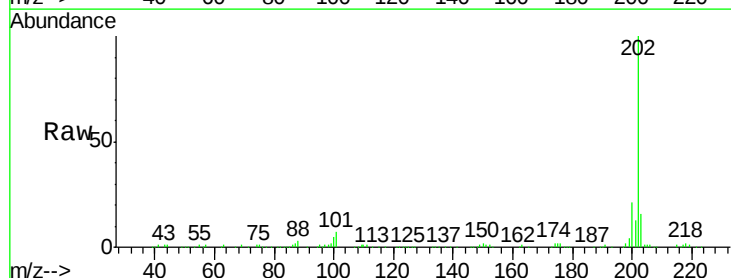
Tgt Ion:202 Resp: 206294

Ion Ratio Lower Upper

202 100

101 7.2 0.0 32.8

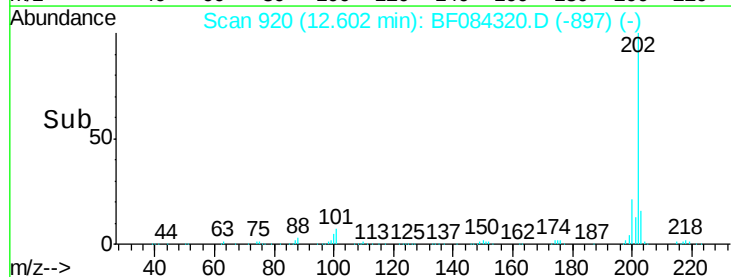
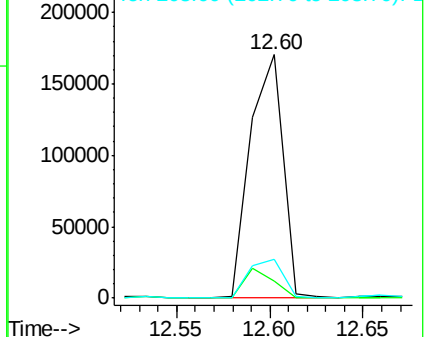
203 15.8 0.0 37.9

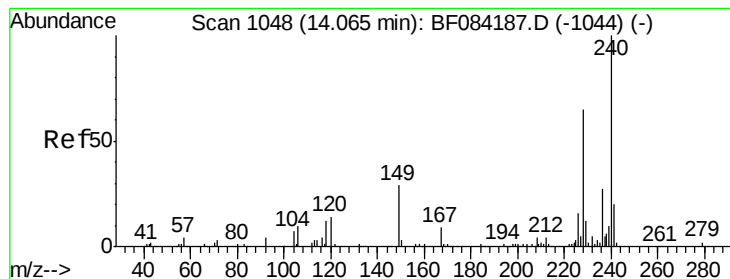


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.02 min Scan# 1044

Delta R.T. -0.05 min

Lab File: BF084320.D

Acq: 8 Jan 2016 1:33

Instrument :

BNA_F

ClientSampleId :

BT003

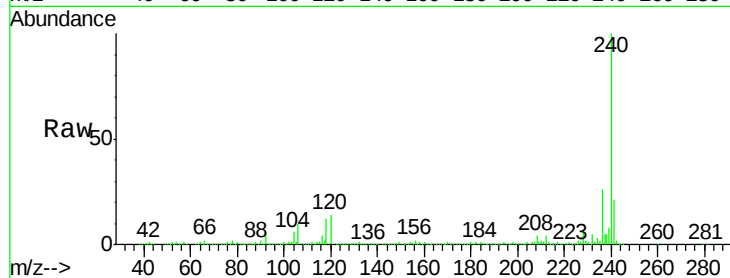
Tgt Ion:240 Resp: 642568

Ion Ratio Lower Upper

240 100

120 14.2 9.5 14.3

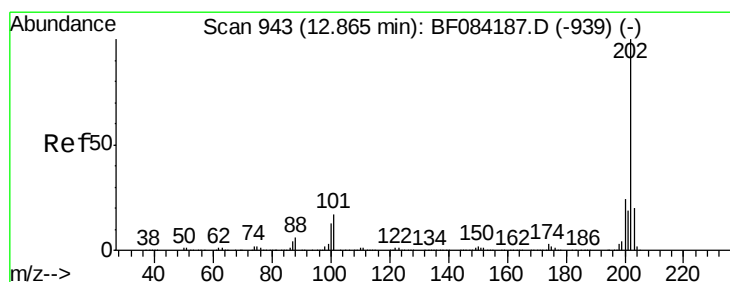
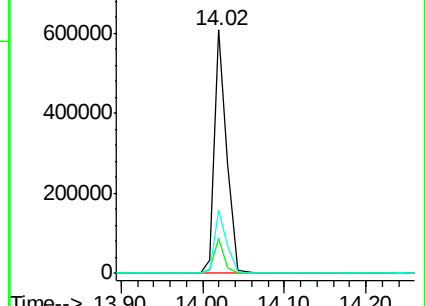
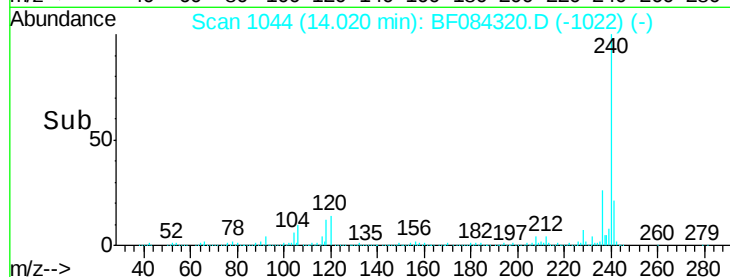
236 26.1 20.6 31.0



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



#77

Pyrene

Concen: 4.16 ng

RT: 12.82 min Scan# 939

Delta R.T. -0.05 min

Lab File: BF084320.D

Acq: 8 Jan 2016 1:33

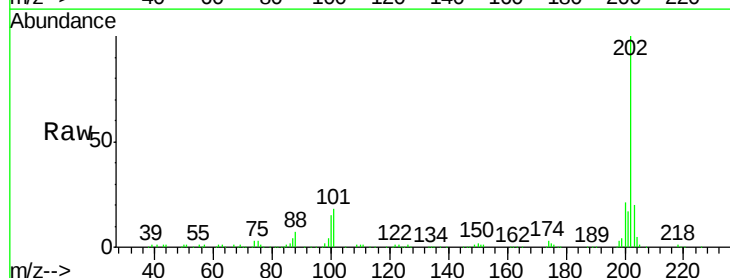
Tgt Ion:202 Resp: 209536

Ion Ratio Lower Upper

202 100

200 21.3 17.2 25.8

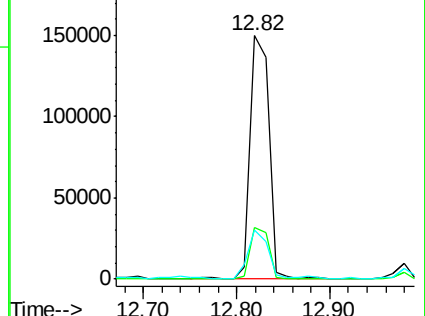
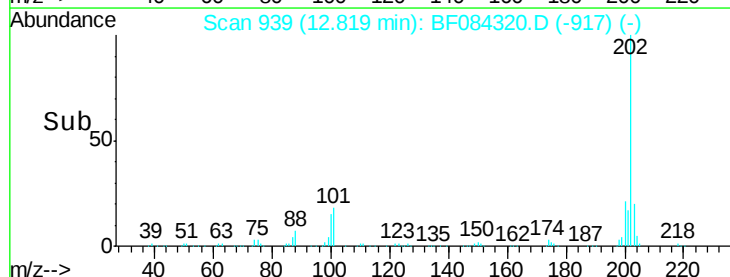
203 20.0 14.3 21.5

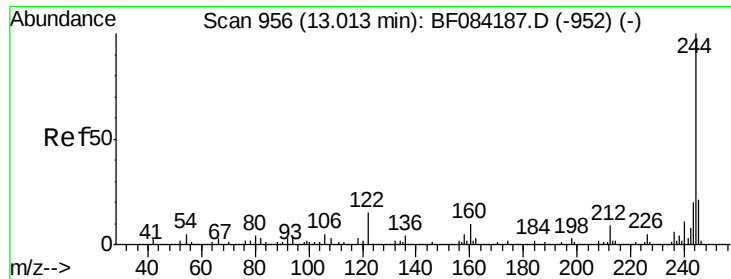


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

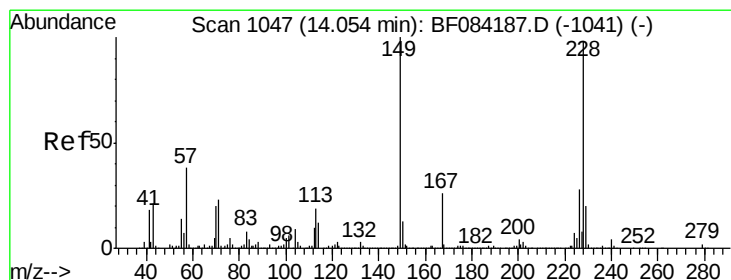
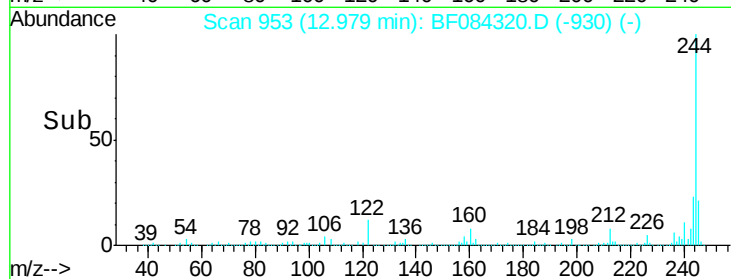
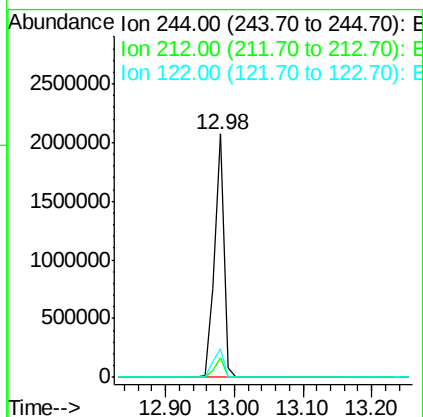
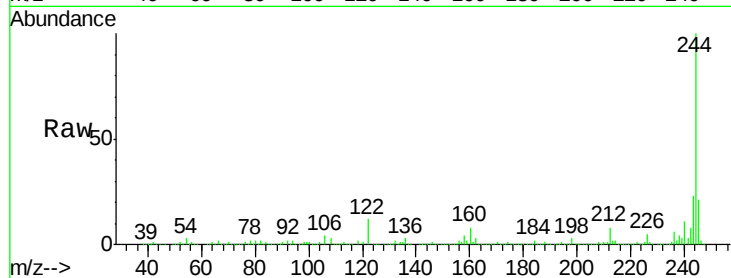




#78
 Terphenyl-d14
 Concen: 69.99 ng
 RT: 12.98 min Scan# 953
 Delta R.T. -0.03 min
 Lab File: BF084320.D
 Acq: 8 Jan 2016 1:33

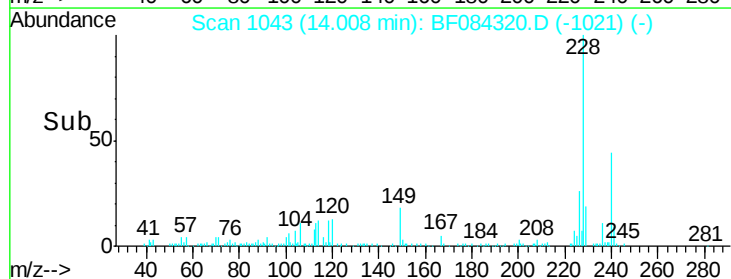
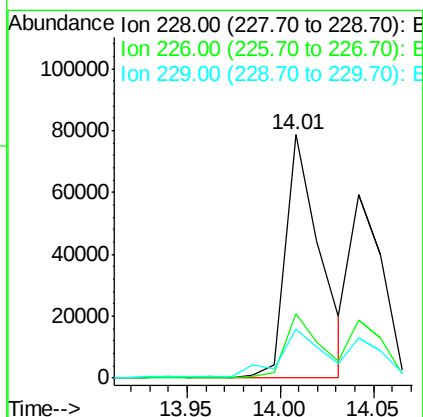
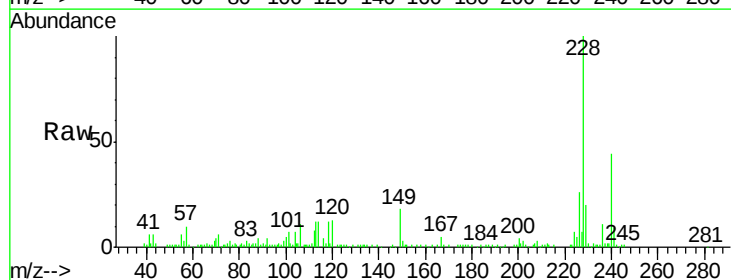
Instrument :
 BNA_F
 ClientSampleId :
 BT003

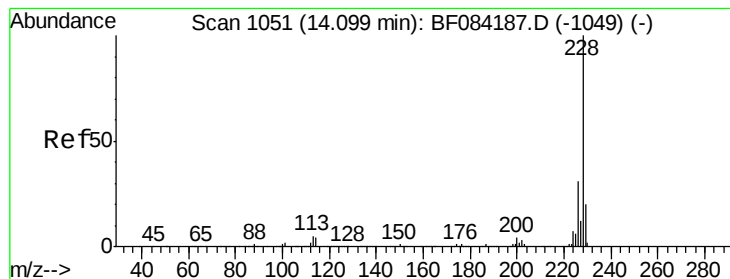
Tgt Ion:244 Resp: 2014896
 Ion Ratio Lower Upper
 244 100
 212 7.9 5.7 8.5
 122 11.5 7.4 11.0#



#80
 Benzo(a)anthracene
 Concen: 2.71 ng
 RT: 14.01 min Scan# 1043
 Delta R.T. -0.05 min
 Lab File: BF084320.D
 Acq: 8 Jan 2016 1:33

Tgt Ion:228 Resp: 102285
 Ion Ratio Lower Upper
 228 100
 226 26.2 21.8 32.6
 229 20.3 15.8 23.8





#82

Chrysene

Concen: 2.82 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.09 min

Lab File: BF084320.D

Acq: 8 Jan 2016 1:33

Instrument :

BNA_F

ClientSampled :

BT003

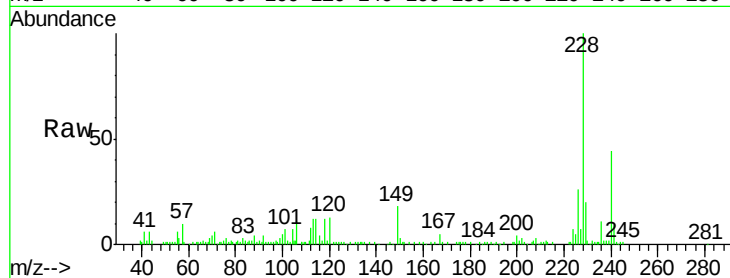
Tgt Ion:228 Resp: 102285

Ion Ratio Lower Upper

228 100

226 26.2 24.3 36.5

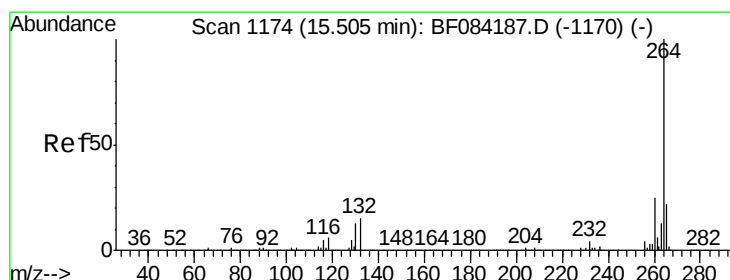
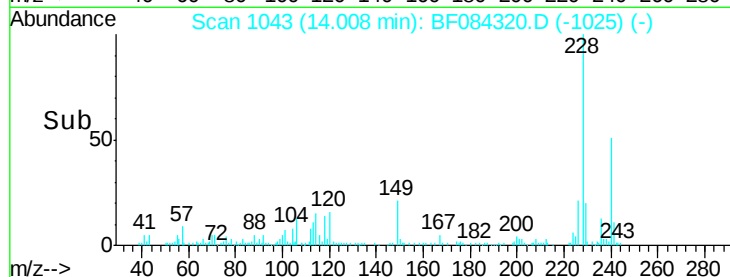
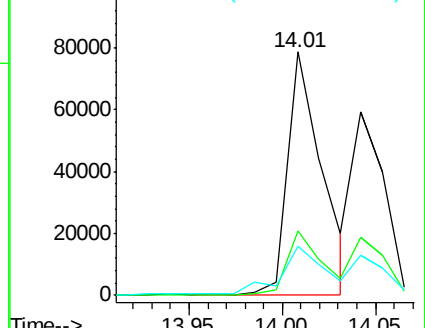
229 20.3 16.1 24.1



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: 15.45 min Scan# 1169

Delta R.T. -0.06 min

Lab File: BF084320.D

Acq: 8 Jan 2016 1:33

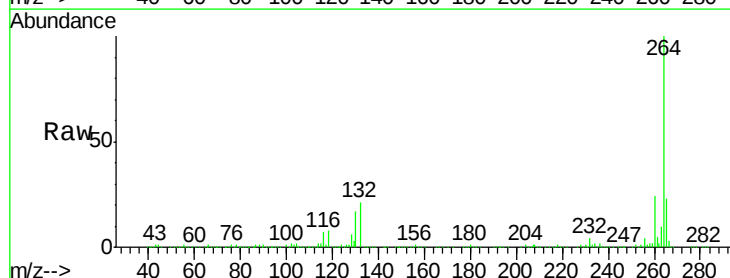
Tgt Ion:264 Resp: 504680

Ion Ratio Lower Upper

264 100

260 24.2 19.4 29.2

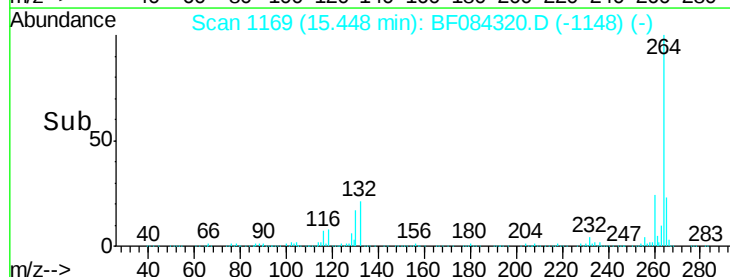
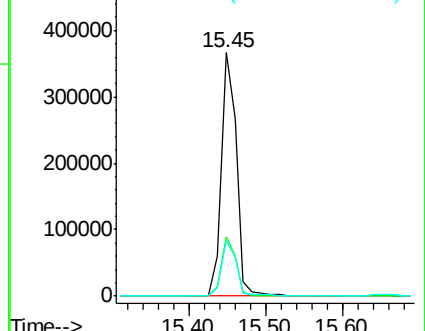
265 22.6 17.8 26.6

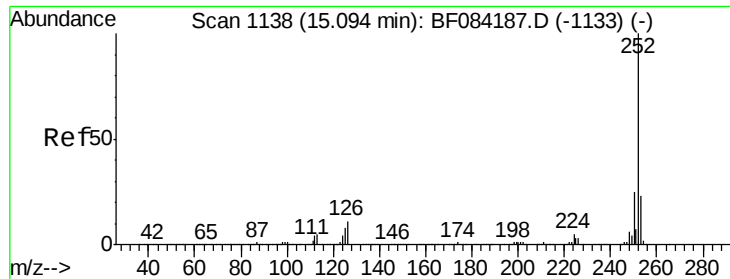


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

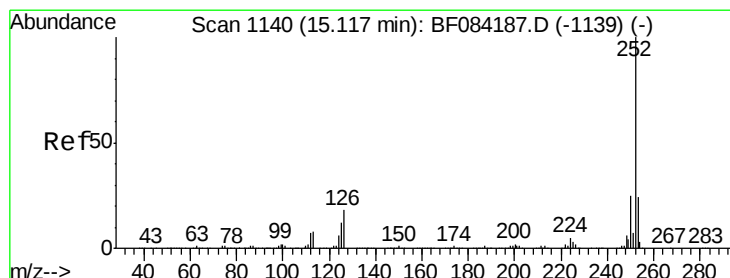
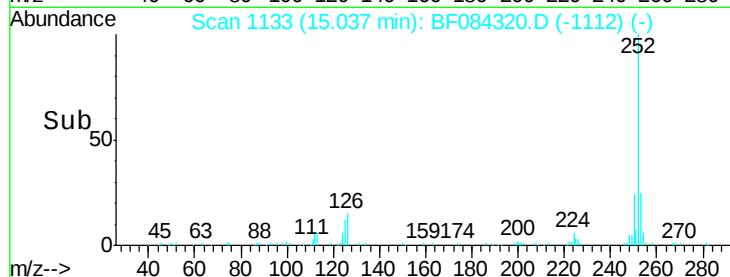
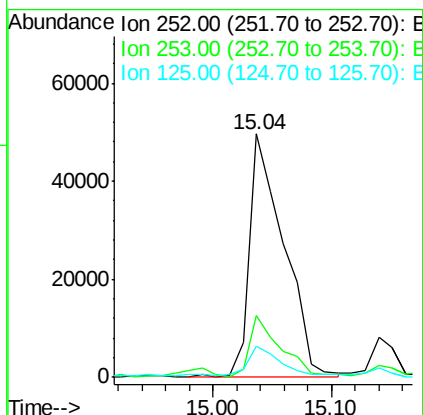
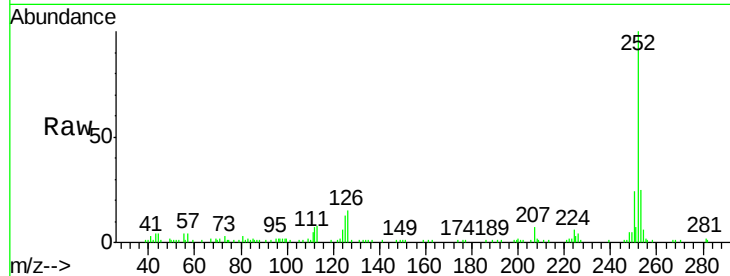




#87
Benzo(b)fluoranthene
Concen: 3.06 ng
RT: 15.04 min Scan# 1133
Delta R.T. -0.06 min
Lab File: BF084320.D
Acq: 8 Jan 2016 1:33

Instrument :
BNA_F
ClientSampleId :
BT003

Tgt Ion:252 Resp: 100861
Ion Ratio Lower Upper
252 100
253 25.4 17.3 25.9
125 13.0 6.5 9.7#



#88
Benzo(k)fluoranthene
Concen: 3.74 ng
RT: 15.04 min Scan# 1133
Delta R.T. -0.08 min
Lab File: BF084320.D
Acq: 8 Jan 2016 1:33

Tgt Ion:252 Resp: 100861
Ion Ratio Lower Upper
252 100
253 25.4 18.1 27.1
125 13.0 9.0 13.6

