

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010716\
 Data File : BF084321.D
 Acq On : 8 Jan 2016 2:01
 Operator : SJ/UM
 Sample : H1028-14
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BT004

Quant Time: Jan 08 04:45:49 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	245475	20.00	ng	-0.03
21) Naphthalene-d8	8.16	136	1078653	20.00	ng	-0.03
38) Acenaphthene-d10	9.90	164	492549	20.00	ng	-0.05
63) Phenanthrene-d10	11.39	188	887741	20.00	ng	-0.03
75) Chrysene-d12	14.02	240	704040	20.00	ng	-0.05
86) Perylene-d12	15.46	264	540455	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	1969954	129.80	ng	-0.01
7) Phenol-d6	6.51	99	2942005	154.35	ng	-0.02
23) Nitrobenzene-d5	7.44	82	1792774	92.50	ng	-0.03
41) 2,4,6-Tribromophenol	10.70	330	668265	134.39	ng	-0.03
44) 2-Fluorobiphenyl	9.23	172	2509784	90.01	ng	-0.03
78) Terphenyl-d14	12.98	244	2387088	75.68	ng	-0.03

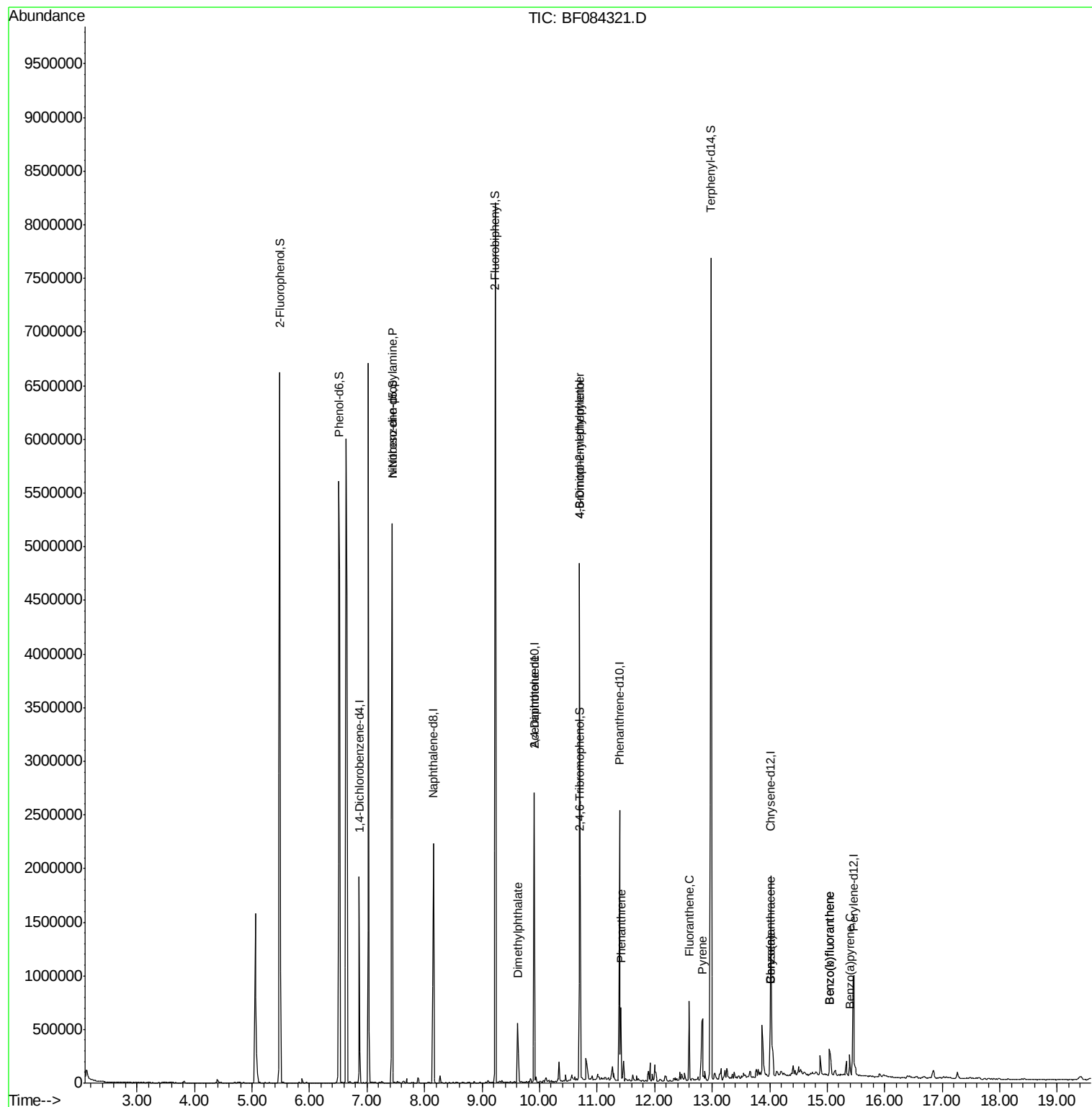
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.44	70	259967	20.15	ng	# 71
49) Dimethylphthalate	9.62	163	250577	7.12	ng	# 90
54) Dibenzofuran	10.11	168	14416	Below Cal		# 94
56) 2,4-Dinitrotoluene	9.90	165	63309	6.48	ng	# 22
57) Fluorene	10.45	166	16644	Below Cal		96
64) 4,6-Dinitro-2-methylphenol	10.69	198	1565	6.64	ng	# 1
66) 4-Bromophenyl-phenylether	10.69	248	40437	4.23	ng	# 1
70) Phenanthrene	11.41	178	255732	5.51	ng	99
73) Di-n-butylphthalate	11.95	149	13209	Below Cal		# 97
74) Fluoranthene	12.60	202	378245	7.80	ng	93
77) Pyrene	12.83	202	354031	6.41	ng	97
80) Benzo(a)anthracene	14.01	228	190345	4.60	ng	99
82) Chrysene	14.01	228	190345	4.79	ng	96
87) Benzo(b)fluoranthene	15.04	252	197017	5.57	ng	# 94
88) Benzo(k)fluoranthene	15.04	252	197017	6.81	ng	98
89) Benzo(a)pyrene	15.39	252	104455	3.48	ng	98

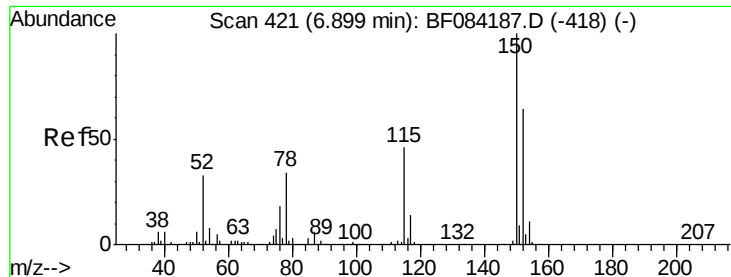
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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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: BF084321.D

Acq: 8 Jan 2016 2:01

Instrument :

BNA_F

ClientSampleId :

BT004

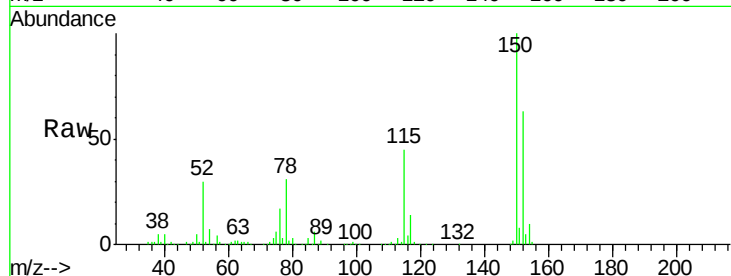
Tgt Ion:152 Resp: 245475

Ion Ratio Lower Upper

152 100

150 158.8 123.0 184.4

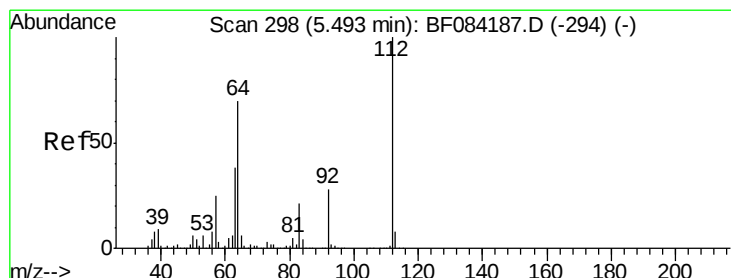
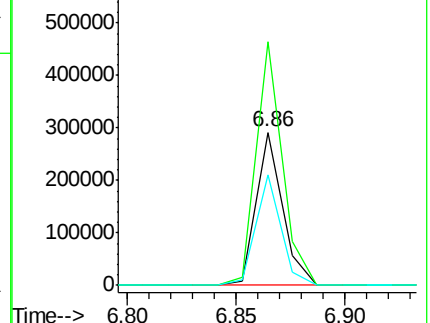
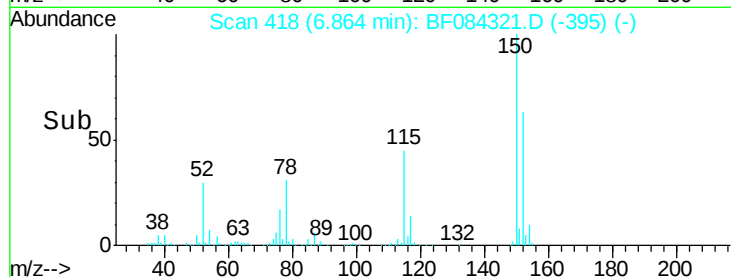
115 71.7 51.4 77.2



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: 129.80 ng

RT: 5.48 min Scan# 297

Delta R.T. -0.01 min

Lab File: BF084321.D

Acq: 8 Jan 2016 2:01

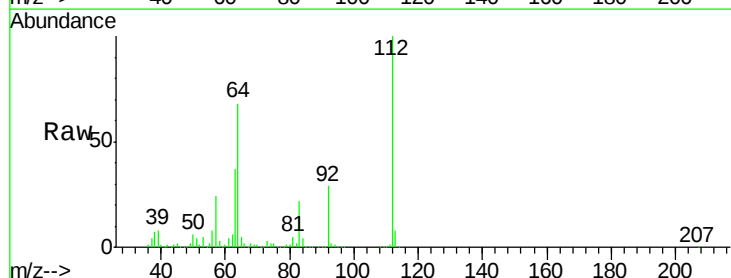
Tgt Ion:112 Resp: 1969954

Ion Ratio Lower Upper

112 100

64 68.0 36.6 55.0#

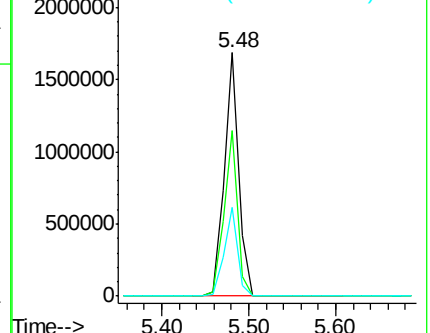
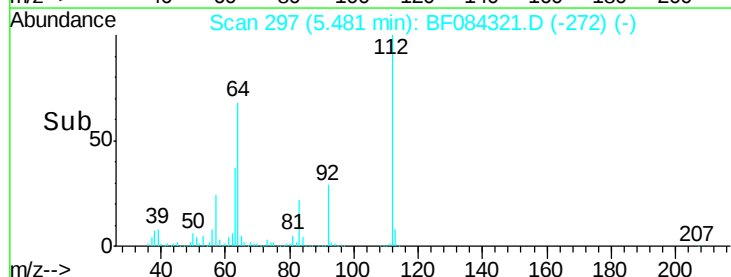
63 36.6 19.4 29.0#

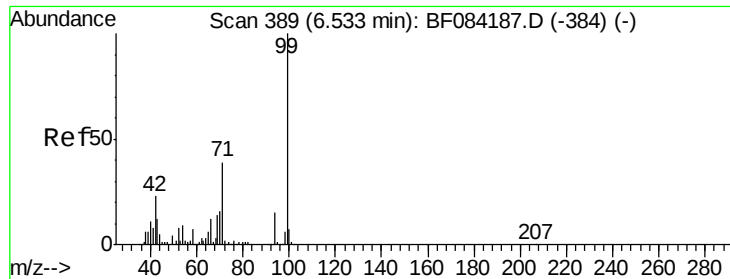


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 154.35 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.02 min

Lab File: BF084321.D

Acq: 8 Jan 2016 2:01

Instrument :

BNA_F

ClientSampleId :

BT004

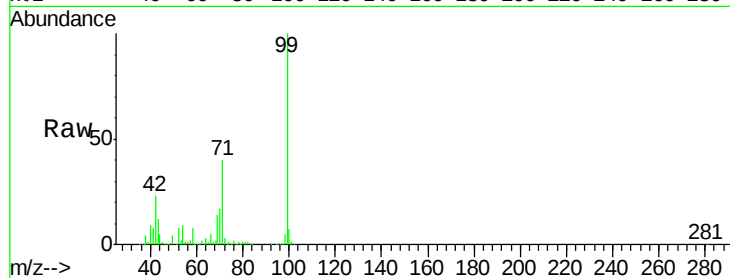
Tgt Ion: 99 Resp: 2942005

Ion Ratio Lower Upper

99 100

42 23.0 12.8 19.2#

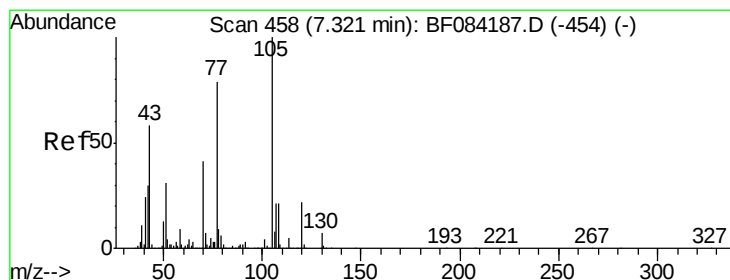
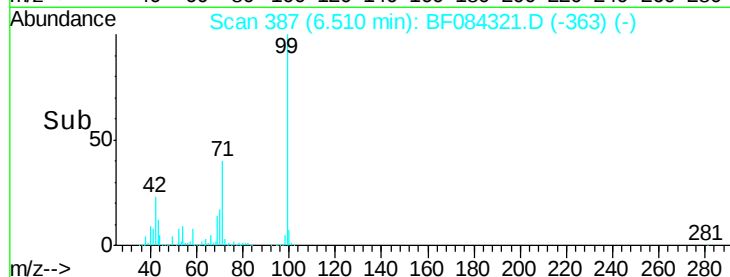
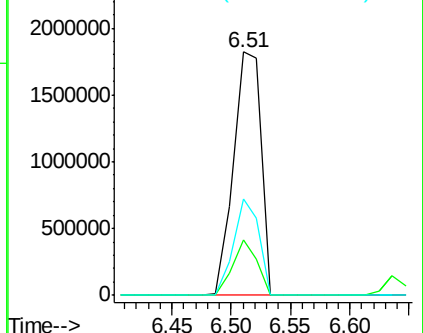
71 39.6 30.9 46.3



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: 20.15 ng

RT: 7.44 min Scan# 468

Delta R.T. 0.11 min

Lab File: BF084321.D

Acq: 8 Jan 2016 2:01

Tgt Ion: 70 Resp: 259967

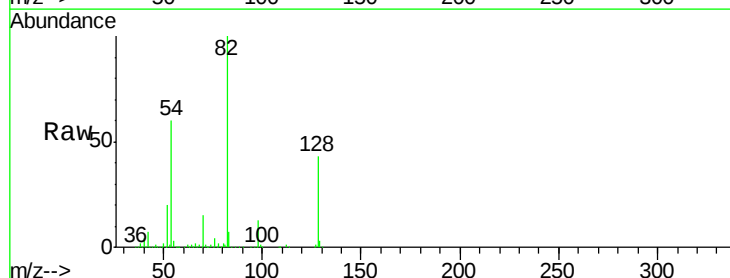
Ion Ratio Lower Upper

70 100

42 49.7 33.3 49.9

101 0.0 9.3 13.9#

130 1.8 23.4 35.0#

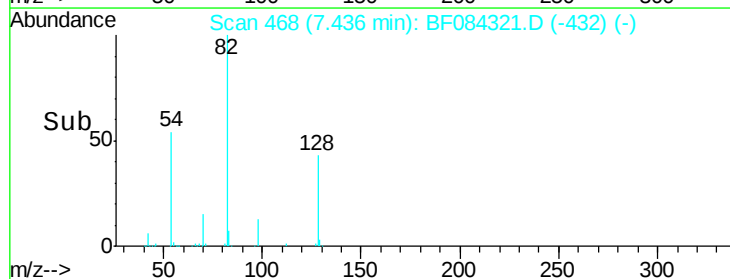
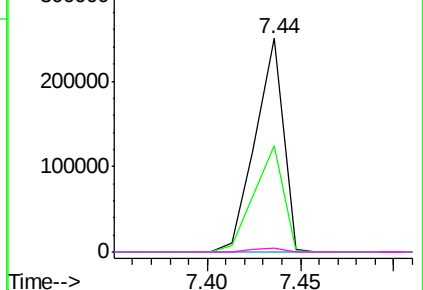


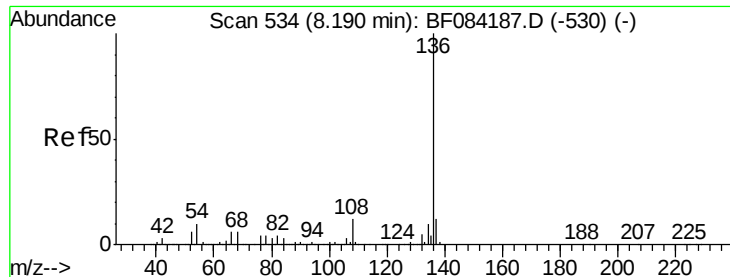
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

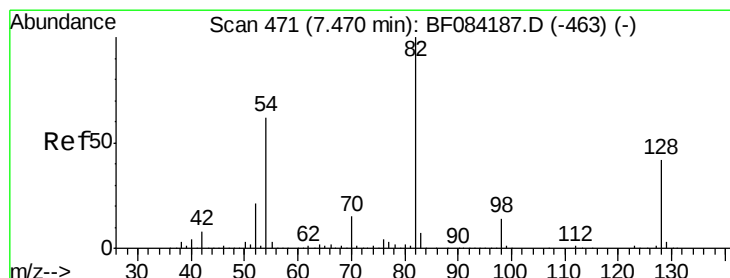
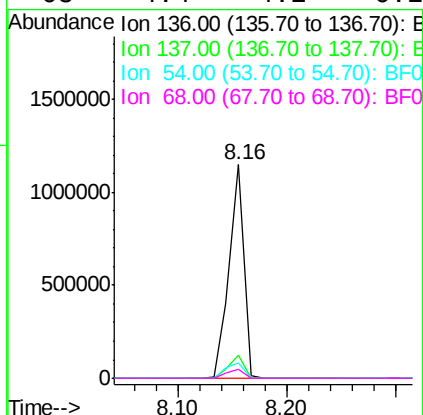
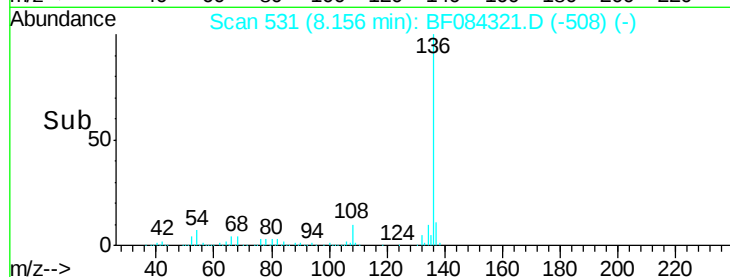
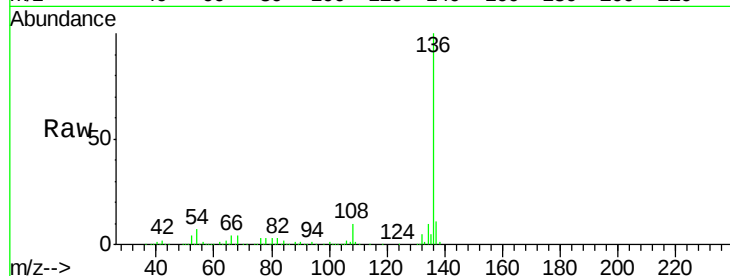




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.03 min
Lab File: BF084321.D
Acq: 8 Jan 2016 2:01

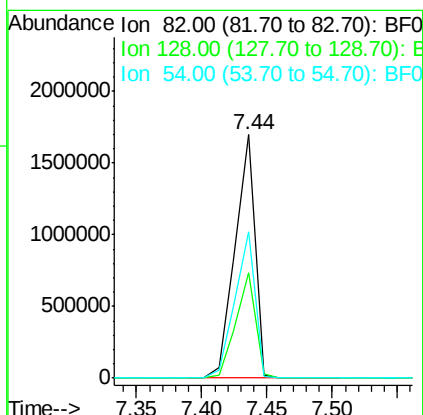
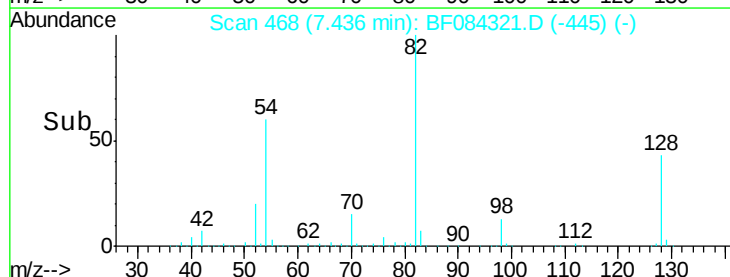
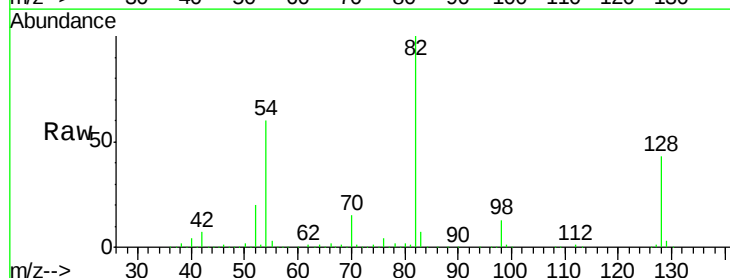
Instrument :
BNA_F
ClientSampleId :
BT004

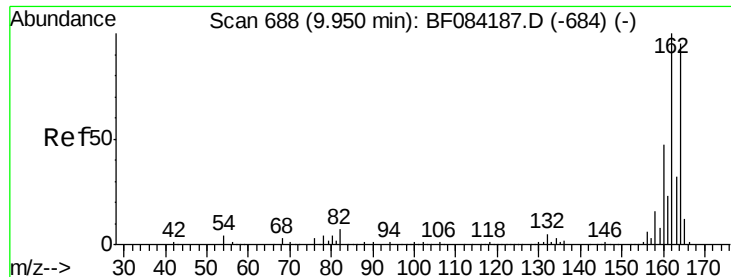
Tgt Ion:136 Resp: 1078653
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 7.1 5.8 8.8
68 4.4 4.2 6.2



#23
Nitrobenzene-d5
Concen: 92.50 ng
RT: 7.44 min Scan# 468
Delta R.T. -0.03 min
Lab File: BF084321.D
Acq: 8 Jan 2016 2:01

Tgt Ion: 82 Resp: 1792774
Ion Ratio Lower Upper
82 100
128 43.2 34.6 51.8
54 60.1 38.4 57.6#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.05 min

Lab File: BF084321.D

Acq: 8 Jan 2016 2:01

Instrument :

BNA_F

ClientSampleId :

BT004

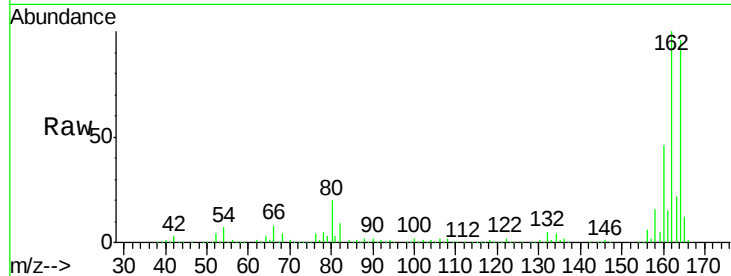
Tgt Ion:164 Resp: 492549

Ion Ratio Lower Upper

164 100

162 103.9 85.1 127.7

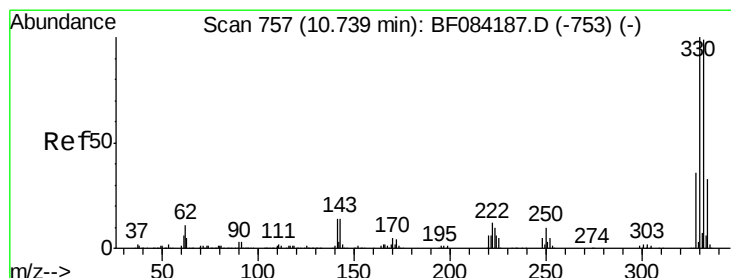
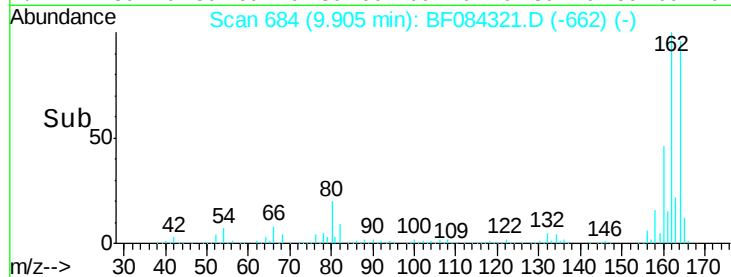
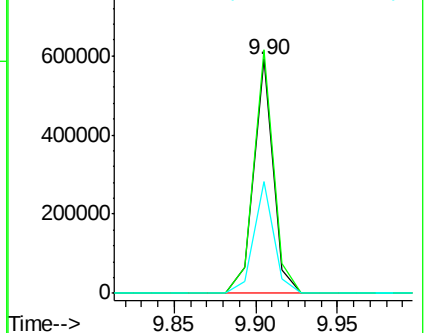
160 47.4 37.5 56.3



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: 134.39 ng

RT: 10.70 min Scan# 754

Delta R.T. -0.03 min

Lab File: BF084321.D

Acq: 8 Jan 2016 2:01

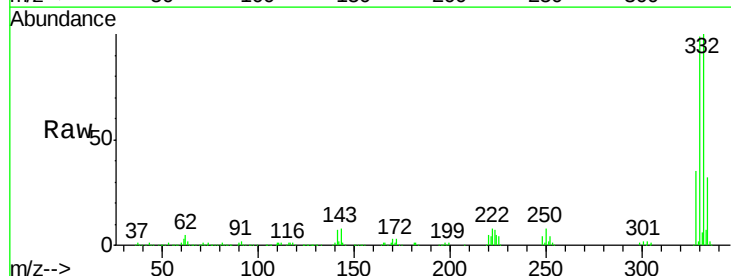
Tgt Ion:330 Resp: 668265

Ion Ratio Lower Upper

330 100

332 97.5 76.6 114.8

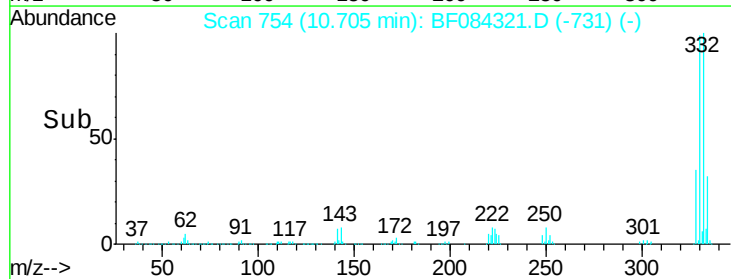
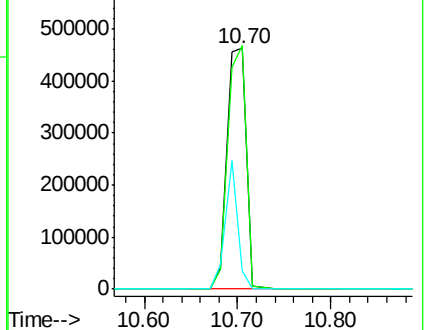
141 34.7 27.8 41.6

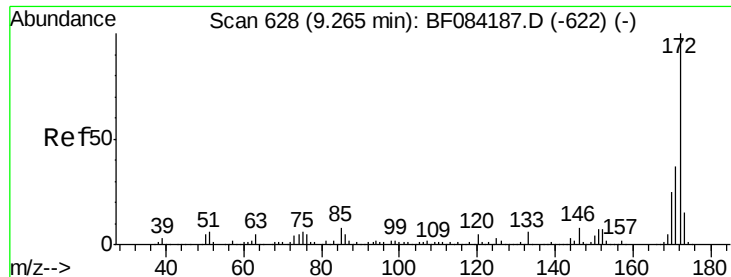


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

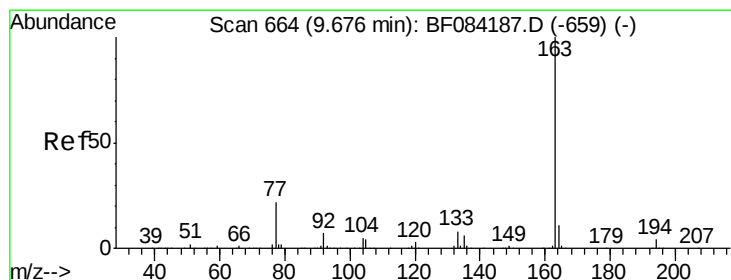
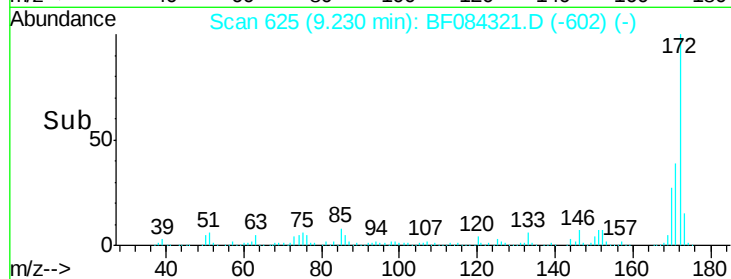
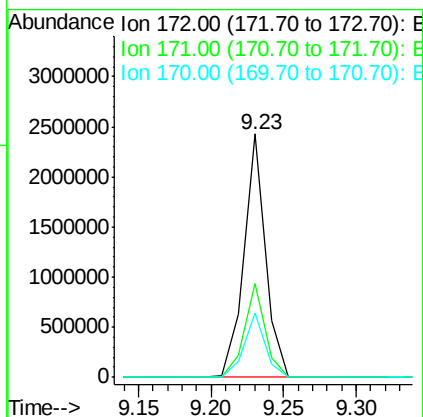
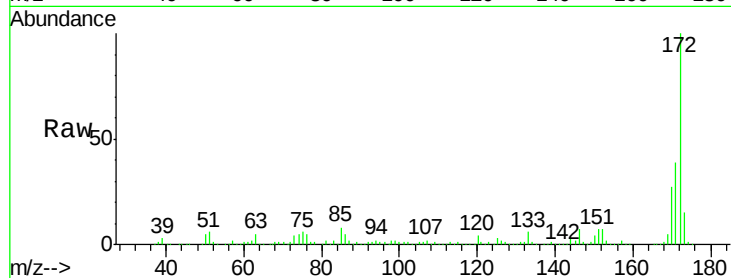




#44
 2-Fluorobiphenyl
 Concen: 90.01 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.03 min
 Lab File: BF084321.D
 Acq: 8 Jan 2016 2:01

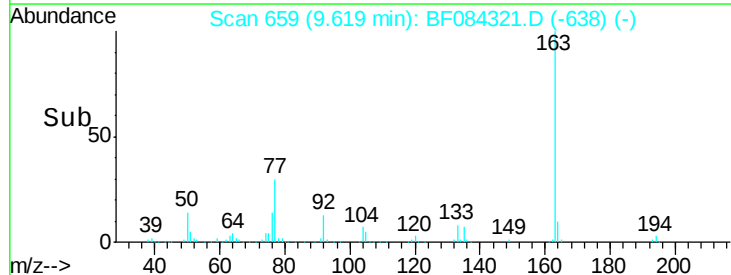
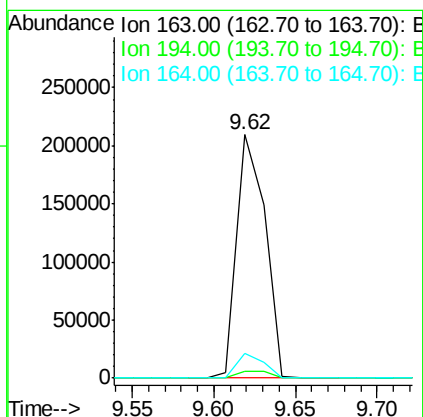
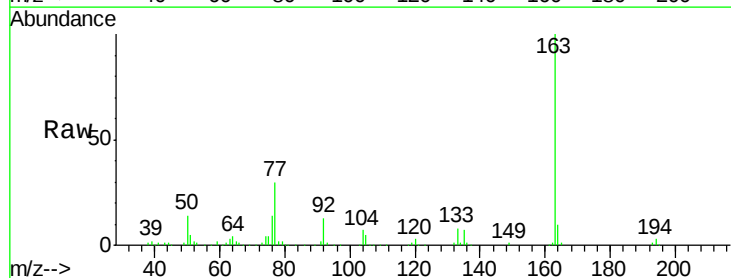
Instrument :
 BNA_F
 ClientSampleId :
 BT004

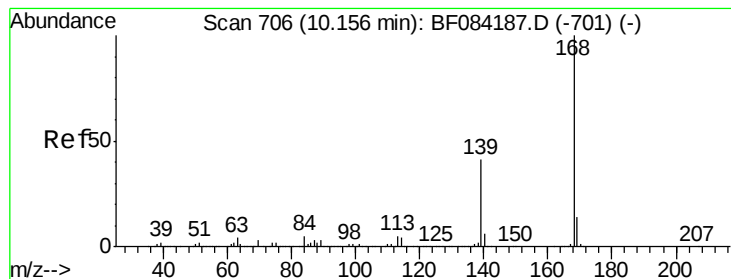
Tgt Ion:172 Resp: 2509784
 Ion Ratio Lower Upper
 172 100
 171 38.6 28.9 43.3
 170 26.6 18.6 27.8



#49
 Dimethylphthalate
 Concen: 7.12 ng
 RT: 9.62 min Scan# 659
 Delta R.T. -0.06 min
 Lab File: BF084321.D
 Acq: 8 Jan 2016 2:01

Tgt Ion:163 Resp: 250577
 Ion Ratio Lower Upper
 163 100
 194 2.6 8.0 12.0#
 164 10.0 8.0 12.0





#54

Dibenzofuran

Concen: Below Cal

RT: 10.11 min Scan# 702

Delta R.T. -0.05 min

Lab File: BF084321.D

Acq: 8 Jan 2016 2:01

Instrument :

BNA_F

ClientSampleId :

BT004

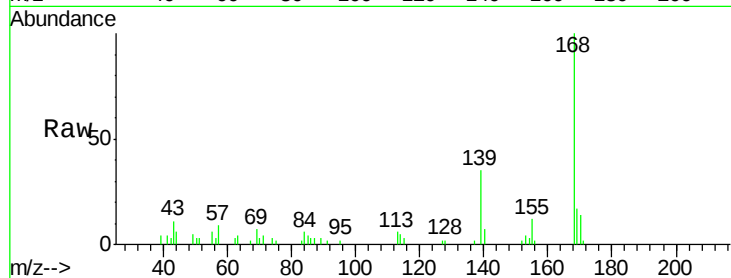
Tgt Ion:168 Resp: 14416

Ion Ratio Lower Upper

168 100

139 35.4 30.5 45.7

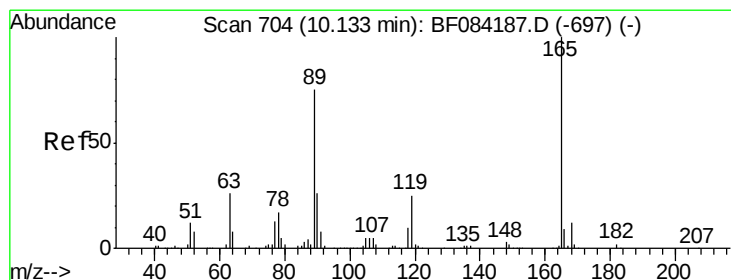
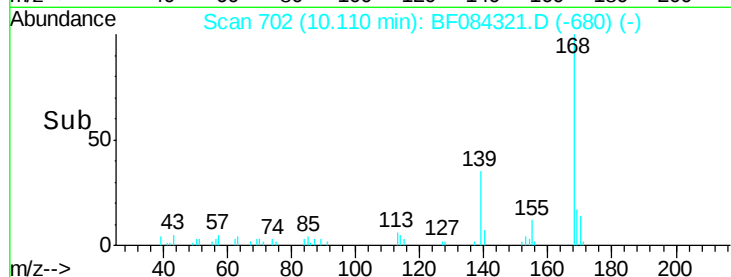
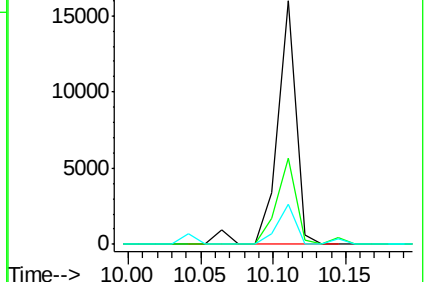
169 16.6 10.4 15.6#



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



#56

2,4-Dinitrotoluene

Concen: 6.48 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.23 min

Lab File: BF084321.D

Acq: 8 Jan 2016 2:01

Tgt Ion:165 Resp: 63309

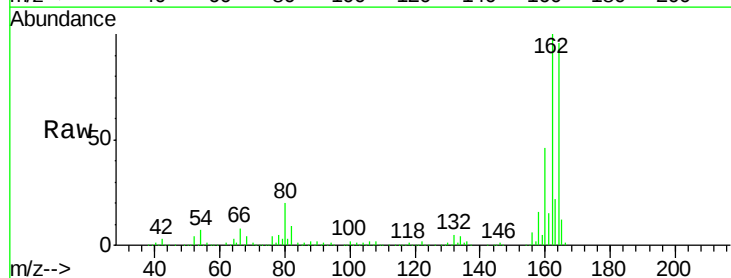
Ion Ratio Lower Upper

165 100

63 1.8 36.7 55.1#

89 2.0 61.9 92.9#

182 0.0 2.0 3.0#

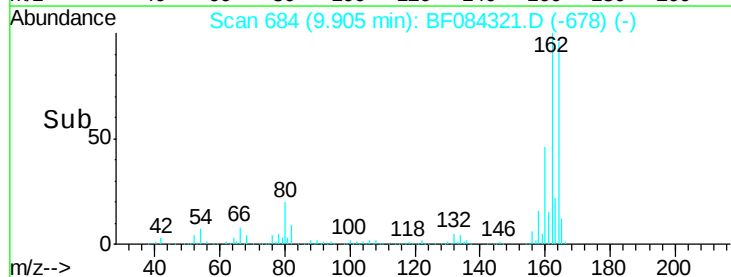
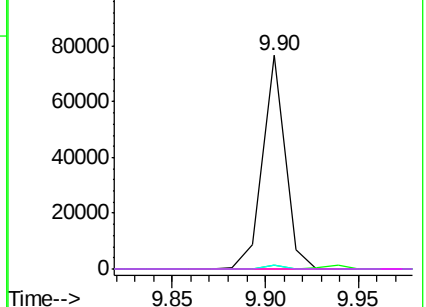


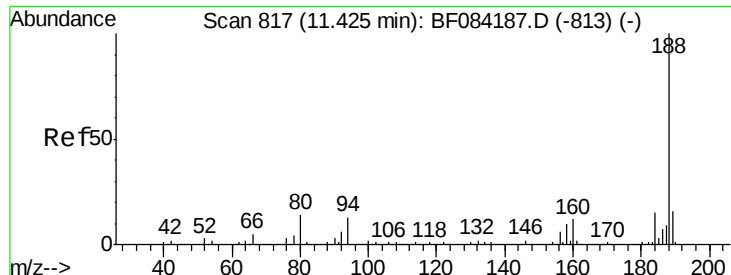
Abundance Ion 165.00 (164.70 to 165.70): E

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

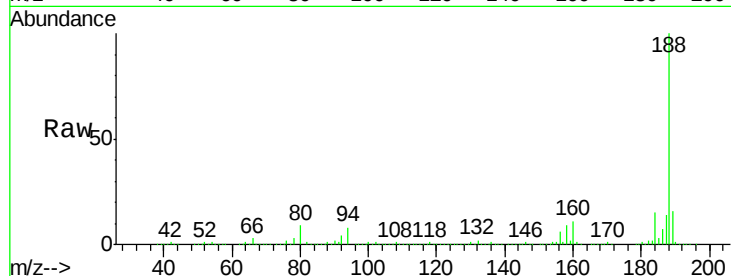




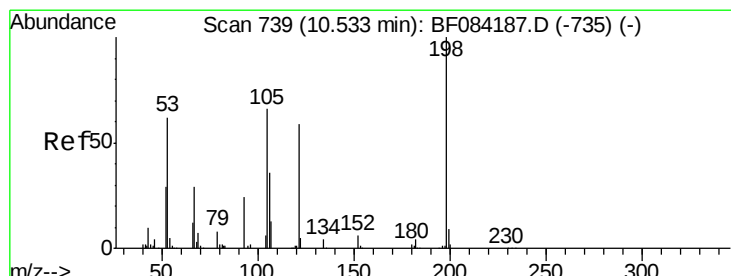
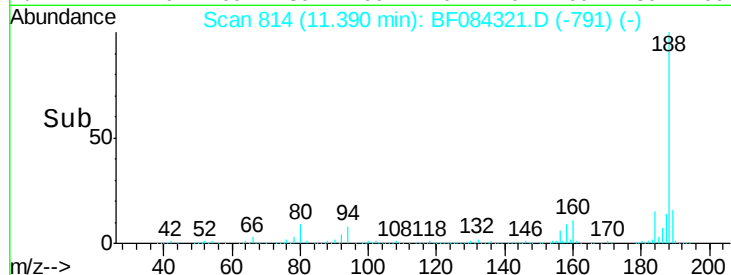
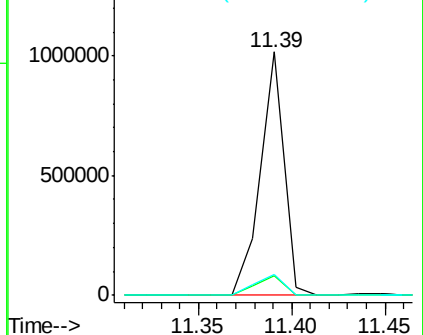
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.39 min Scan# 814
 Delta R.T. -0.03 min
 Lab File: BF084321.D
 Acq: 8 Jan 2016 2:01

Instrument :
 BNA_F
 ClientSampleID :
 BT004

Tgt Ion:188 Resp: 887741
 Ion Ratio Lower Upper
 188 100
 94 8.2 9.0 13.4#
 80 8.8 9.6 14.4#

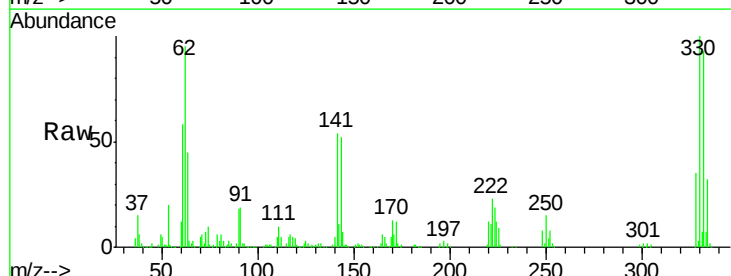


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

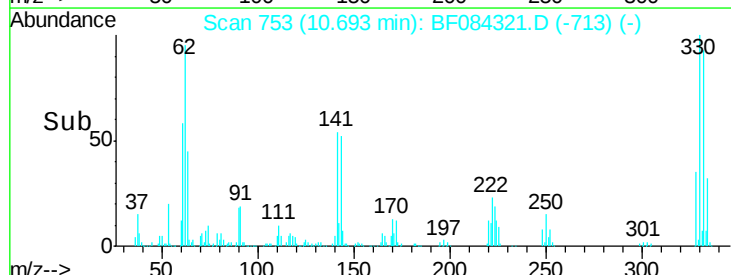
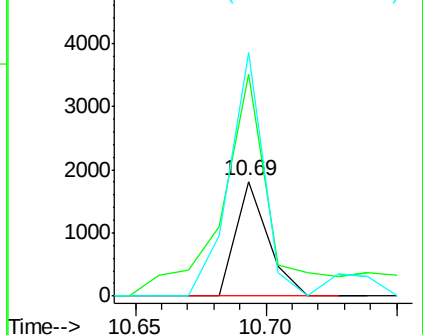


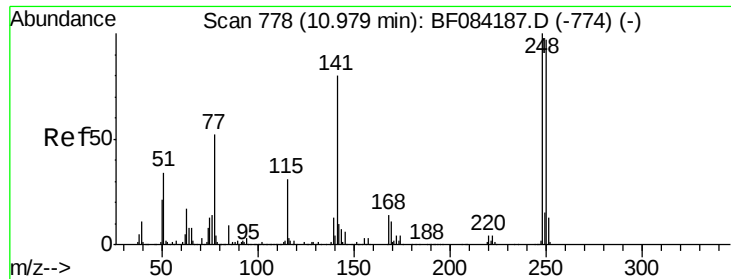
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.64 ng
 RT: 10.69 min Scan# 753
 Delta R.T. 0.16 min
 Lab File: BF084321.D
 Acq: 8 Jan 2016 2:01

Tgt Ion:198 Resp: 1565
 Ion Ratio Lower Upper
 198 100
 51 193.7 18.9 58.9#
 105 212.6 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

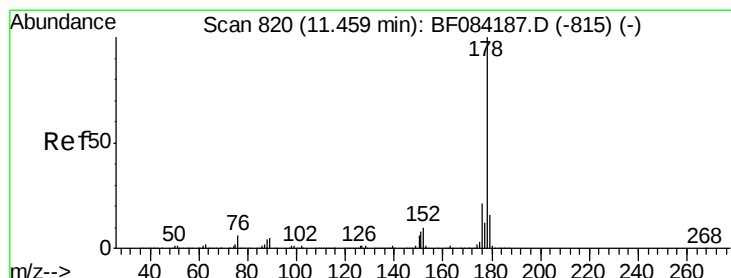
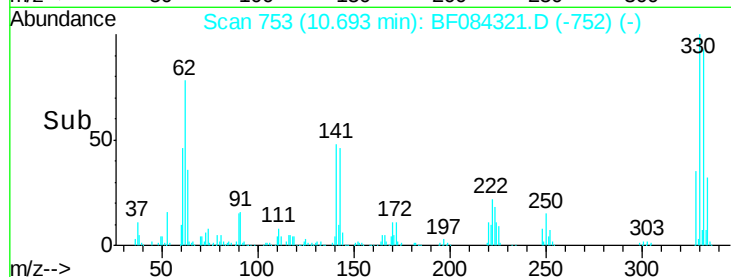
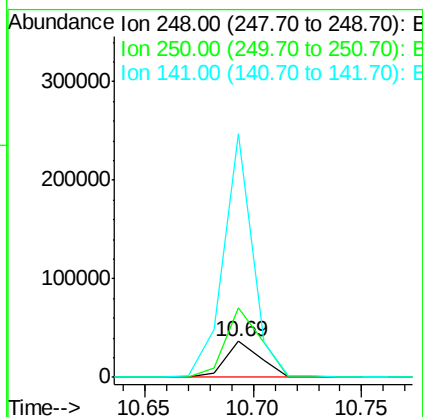
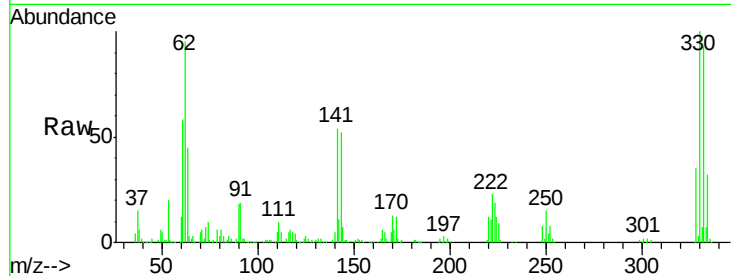




#66
4-Bromophenyl-phenylether
Concen: 4.23 ng
RT: 10.69 min Scan# 753
Delta R.T. -0.29 min
Lab File: BF084321.D
Acq: 8 Jan 2016 2:01

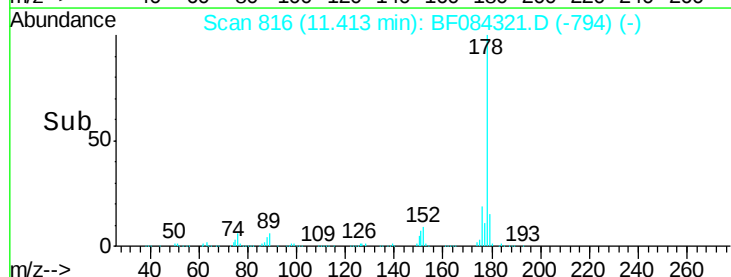
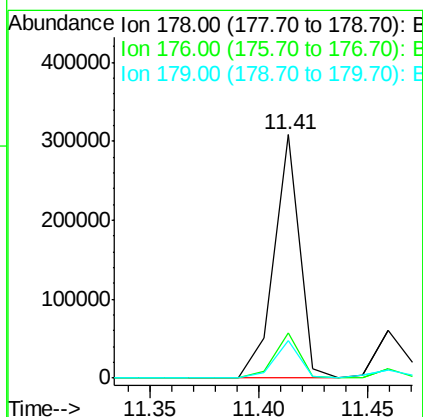
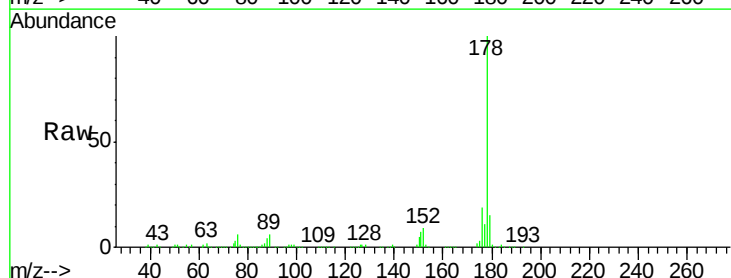
Instrument :
BNA_F
ClientSampleId :
BT004

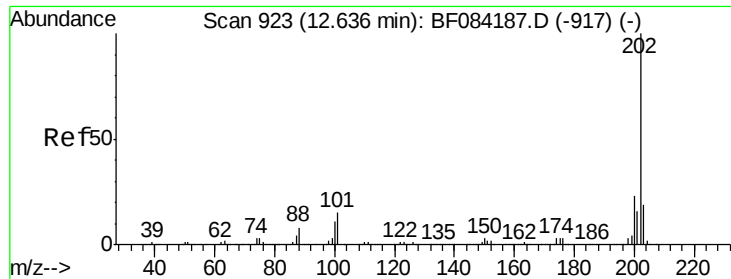
Tgt Ion:248 Resp: 40437
Ion Ratio Lower Upper
248 100
250 191.2 78.4 117.6#
141 673.8 44.0 66.0#



#70
Phenanthrene
Concen: 5.51 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.05 min
Lab File: BF084321.D
Acq: 8 Jan 2016 2:01

Tgt Ion:178 Resp: 255732
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 15.3 12.0 18.0





#74

Fluoranthene

Concen: 7.80 ng

RT: 12.60 min Scan# 920

Delta R.T. -0.03 min

Lab File: BF084321.D

Acq: 8 Jan 2016 2:01

Instrument :

BNA_F

ClientSampleId :

BT004

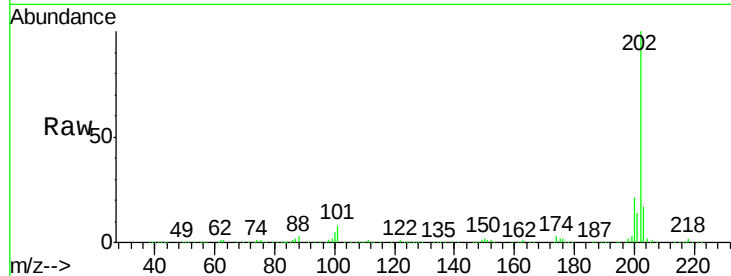
Tgt Ion:202 Resp: 378245

Ion Ratio Lower Upper

202 100

101 7.6 0.0 32.8

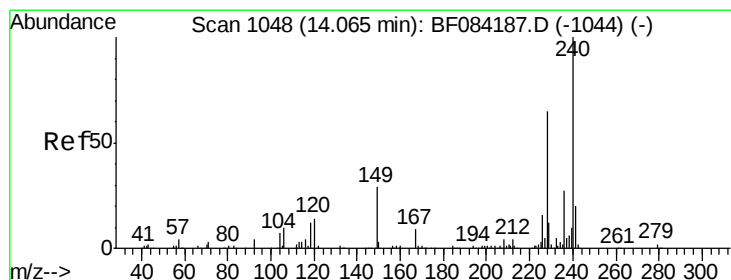
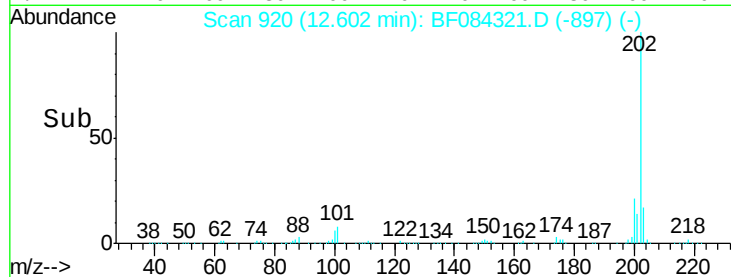
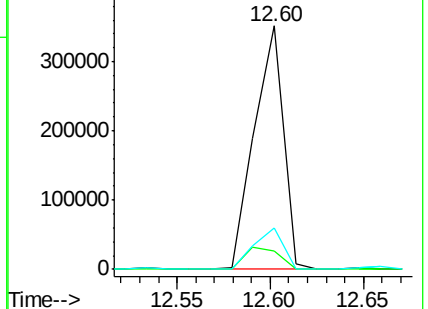
203 16.9 0.0 37.9



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: BF084321.D

Acq: 8 Jan 2016 2:01

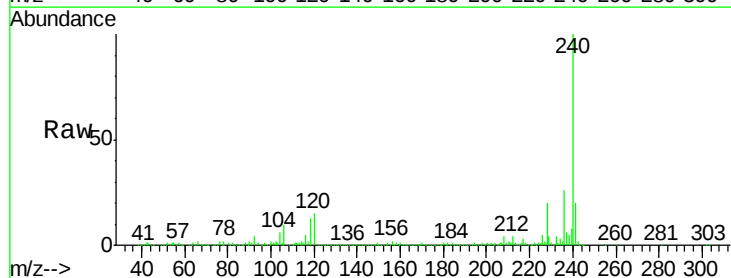
Tgt Ion:240 Resp: 704040

Ion Ratio Lower Upper

240 100

120 15.3 9.5 14.3#

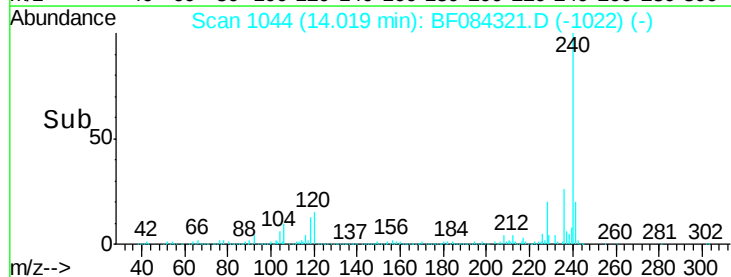
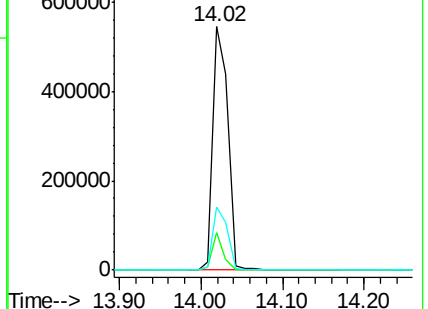
236 25.9 20.6 31.0

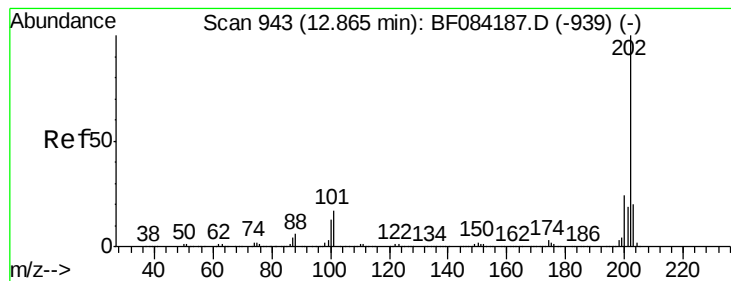


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 6.41 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.03 min

Lab File: BF084321.D

Acq: 8 Jan 2016 2:01

Instrument :

BNA_F

ClientSampleId :

BT004

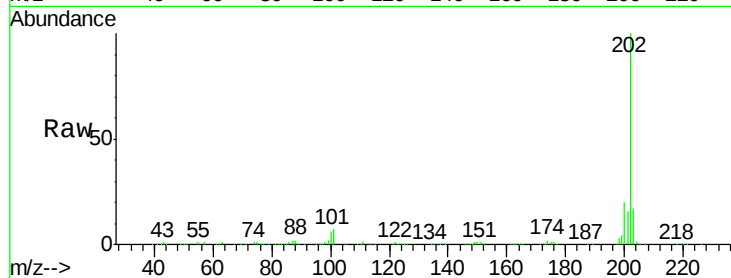
Tgt Ion: 202 Resp: 354031

Ion Ratio Lower Upper

202 100

200 20.0 17.2 25.8

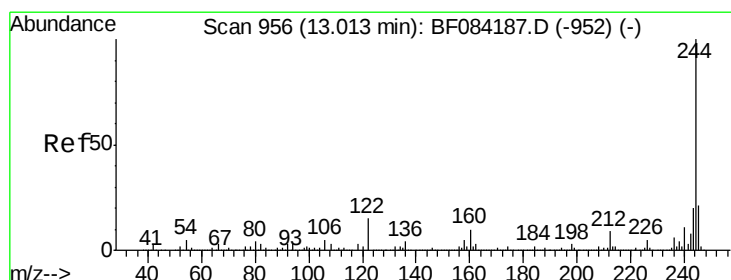
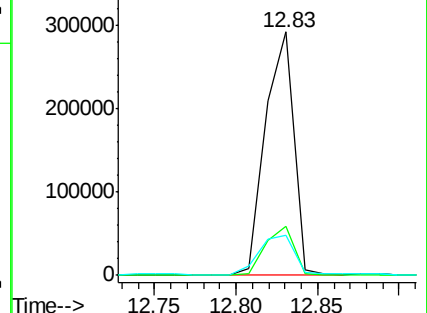
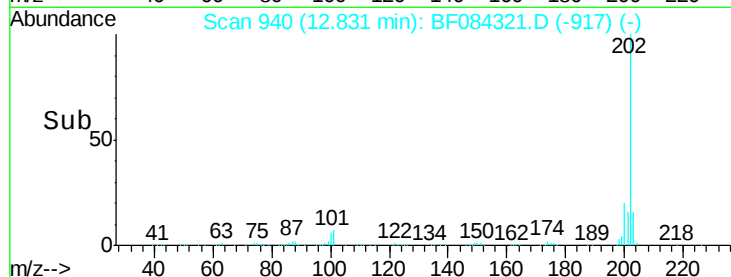
203 16.6 14.3 21.5



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: 75.68 ng

RT: 12.98 min Scan# 953

Delta R.T. -0.03 min

Lab File: BF084321.D

Acq: 8 Jan 2016 2:01

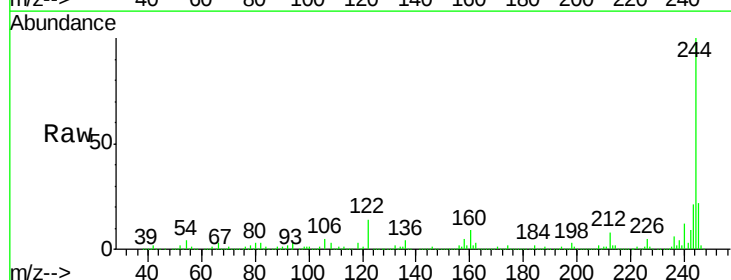
Tgt Ion: 244 Resp: 2387088

Ion Ratio Lower Upper

244 100

212 8.4 5.7 8.5

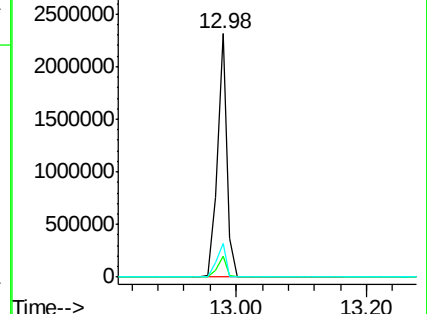
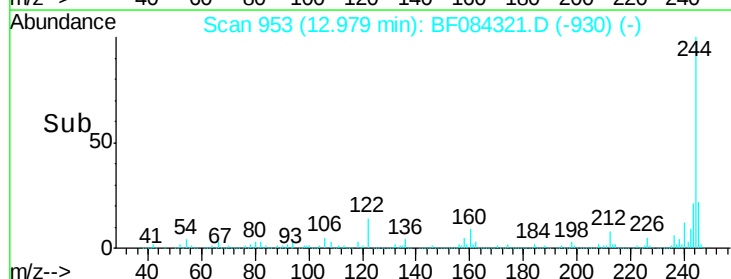
122 13.9 7.4 11.0#

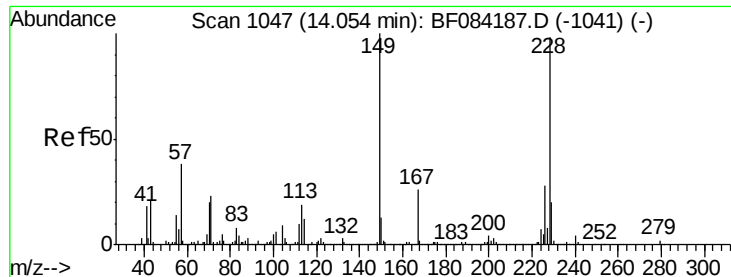


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 4.60 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.05 min

Lab File: BF084321.D

Acq: 8 Jan 2016 2:01

Instrument :

BNA_F

ClientSampleId :

BT004

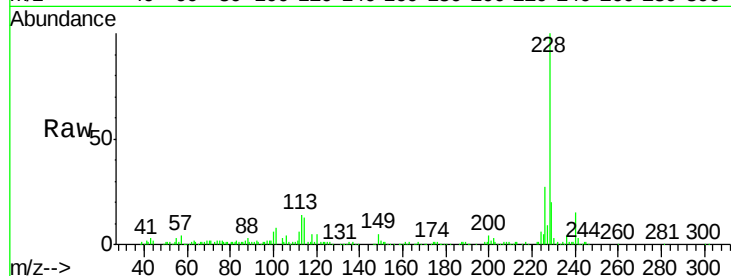
Tgt Ion:228 Resp: 190345

Ion Ratio Lower Upper

228 100

226 26.6 21.8 32.6

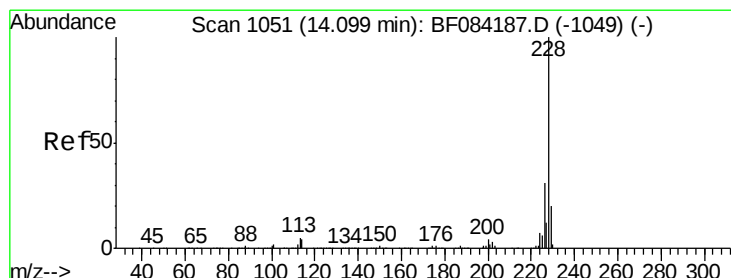
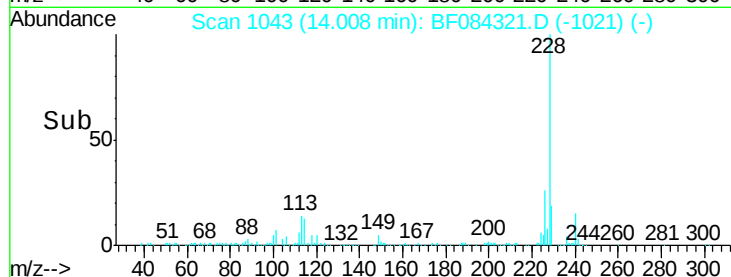
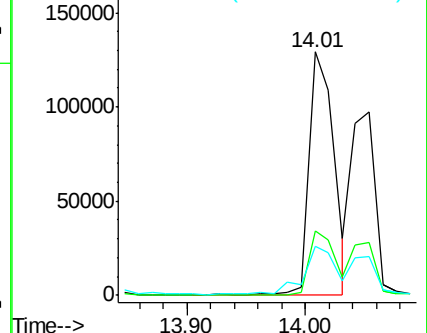
229 20.0 15.8 23.8



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: 4.79 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.09 min

Lab File: BF084321.D

Acq: 8 Jan 2016 2:01

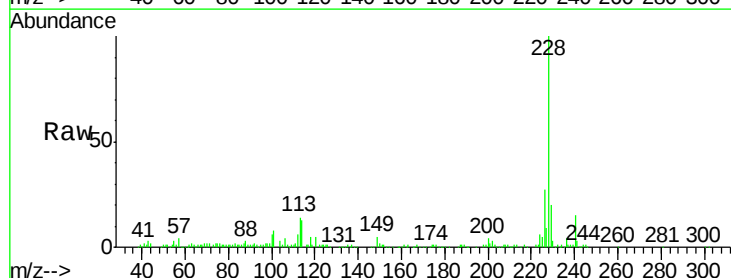
Tgt Ion:228 Resp: 190345

Ion Ratio Lower Upper

228 100

226 26.6 24.3 36.5

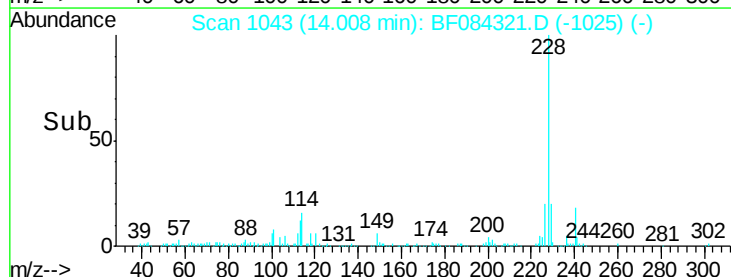
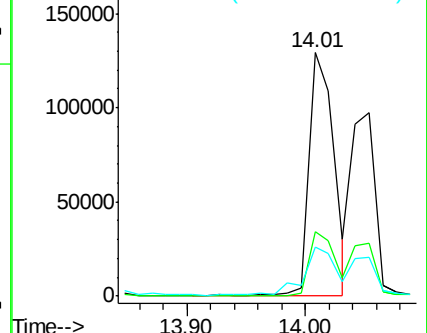
229 20.0 16.1 24.1

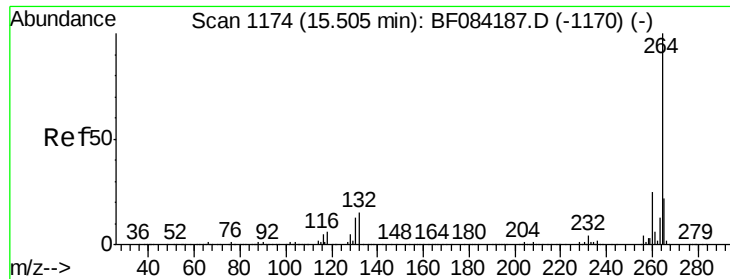


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

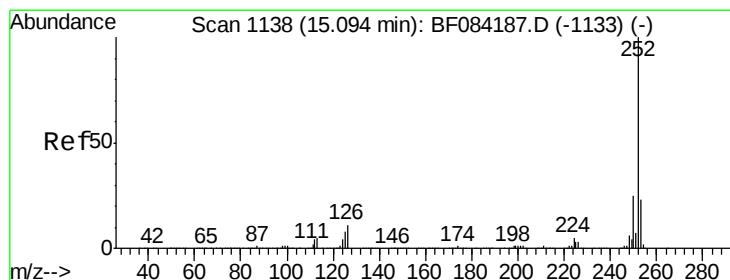
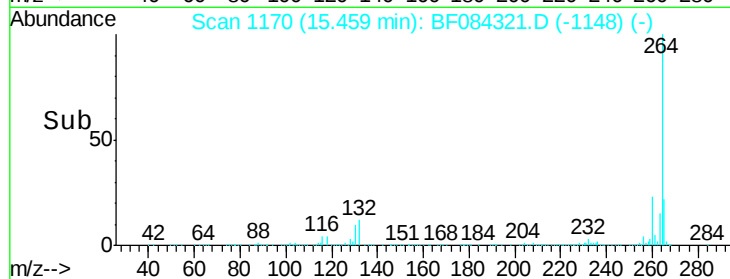
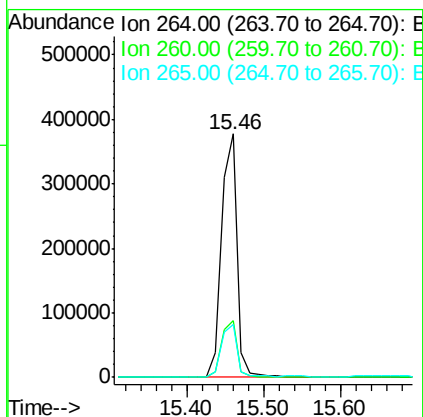
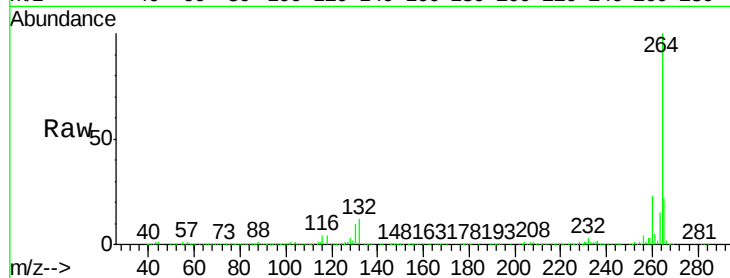




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 1170
Delta R.T. -0.05 min
Lab File: BF084321.D
Acq: 8 Jan 2016 2:01

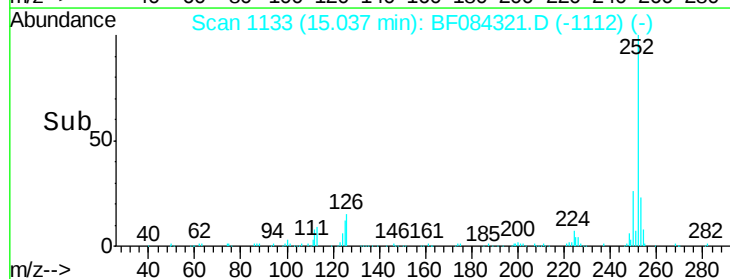
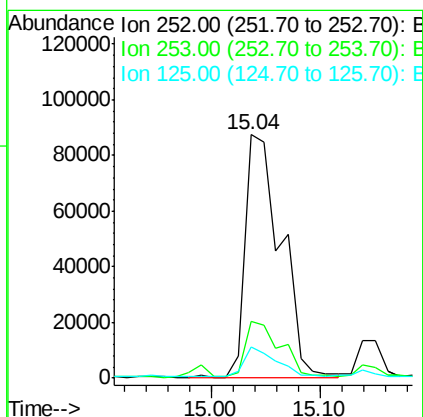
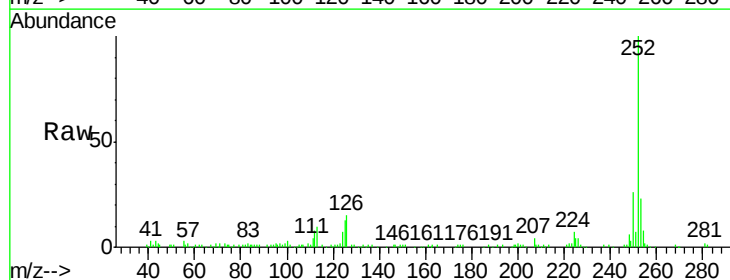
Instrument :
BNA_F
ClientSampleId :
BT004

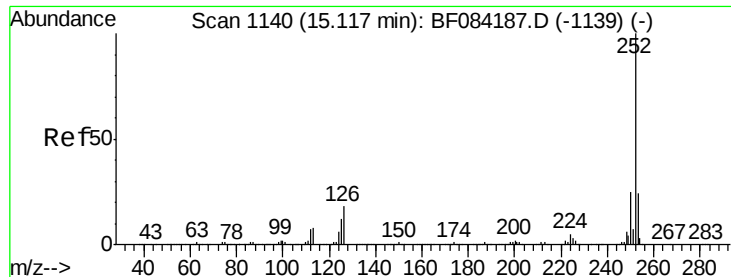
Tgt Ion: 264 Resp: 540455
Ion Ratio Lower Upper
264 100
260 23.3 19.4 29.2
265 21.7 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 5.57 ng
RT: 15.04 min Scan# 1133
Delta R.T. -0.06 min
Lab File: BF084321.D
Acq: 8 Jan 2016 2:01

Tgt Ion: 252 Resp: 197017
Ion Ratio Lower Upper
252 100
253 23.3 17.3 25.9
125 12.6 6.5 9.7#

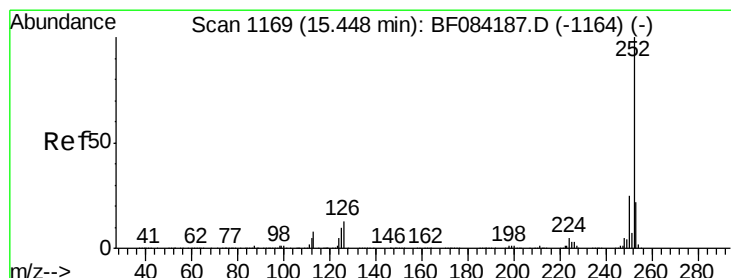
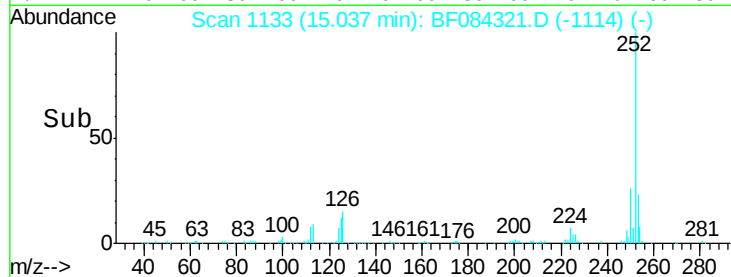
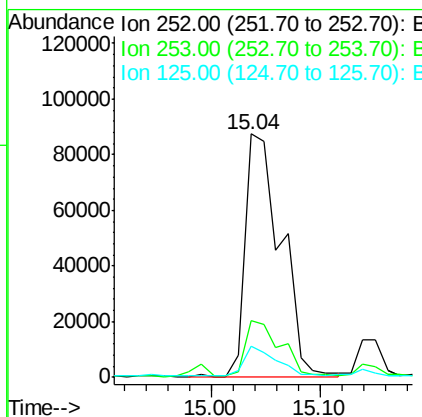
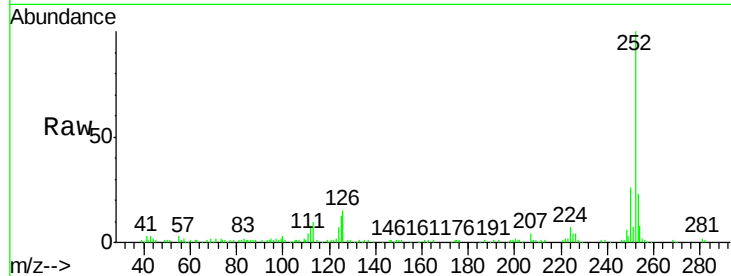




#88
Benzo(k)fluoranthene
Concen: 6.81 ng
RT: 15.04 min Scan# 1133
Delta R.T. -0.08 min
Lab File: BF084321.D
Acq: 8 Jan 2016 2:01

Instrument :
BNA_F
ClientSampleId :
BT004

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	12.6	9.0	13.6



#89
Benzo(a)pyrene
Concen: 3.48 ng
RT: 15.39 min Scan# 1164
Delta R.T. -0.06 min
Lab File: BF084321.D
Acq: 8 Jan 2016 2:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.3	25.9
125	9.8	7.0	10.4

