

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011016\
 Data File : BF084363.D
 Acq On : 10 Jan 2016 14:27
 Operator : SJ/UM
 Sample : H1043-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 11 00:19:28 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	6.85	152	260175	20.00	ng	-0.05
21) Naphthalene-d8	8.14	136	1022627	20.00	ng	-0.05
38) Acenaphthene-d10	9.90	164	410457	20.00	ng	-0.05
63) Phenanthrene-d10	11.39	188	713165	20.00	ng	-0.03
75) Chrysene-d12	14.02	240	519528	20.00	ng	-0.05
86) Perylene-d12	15.45	264	445162	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	1923048	119.55	ng	-0.02
7) Phenol-d6	6.51	99	2435745	120.57	ng	-0.02
23) Nitrobenzene-d5	7.42	82	1579964	85.99	ng	-0.05
41) 2,4,6-Tribromophenol	10.69	330	456633	110.19	ng	-0.05
44) 2-Fluorobiphenyl	9.23	172	2112543	90.99	ng	-0.03
78) Terphenyl-d14	12.97	244	1604396	68.93	ng	-0.05

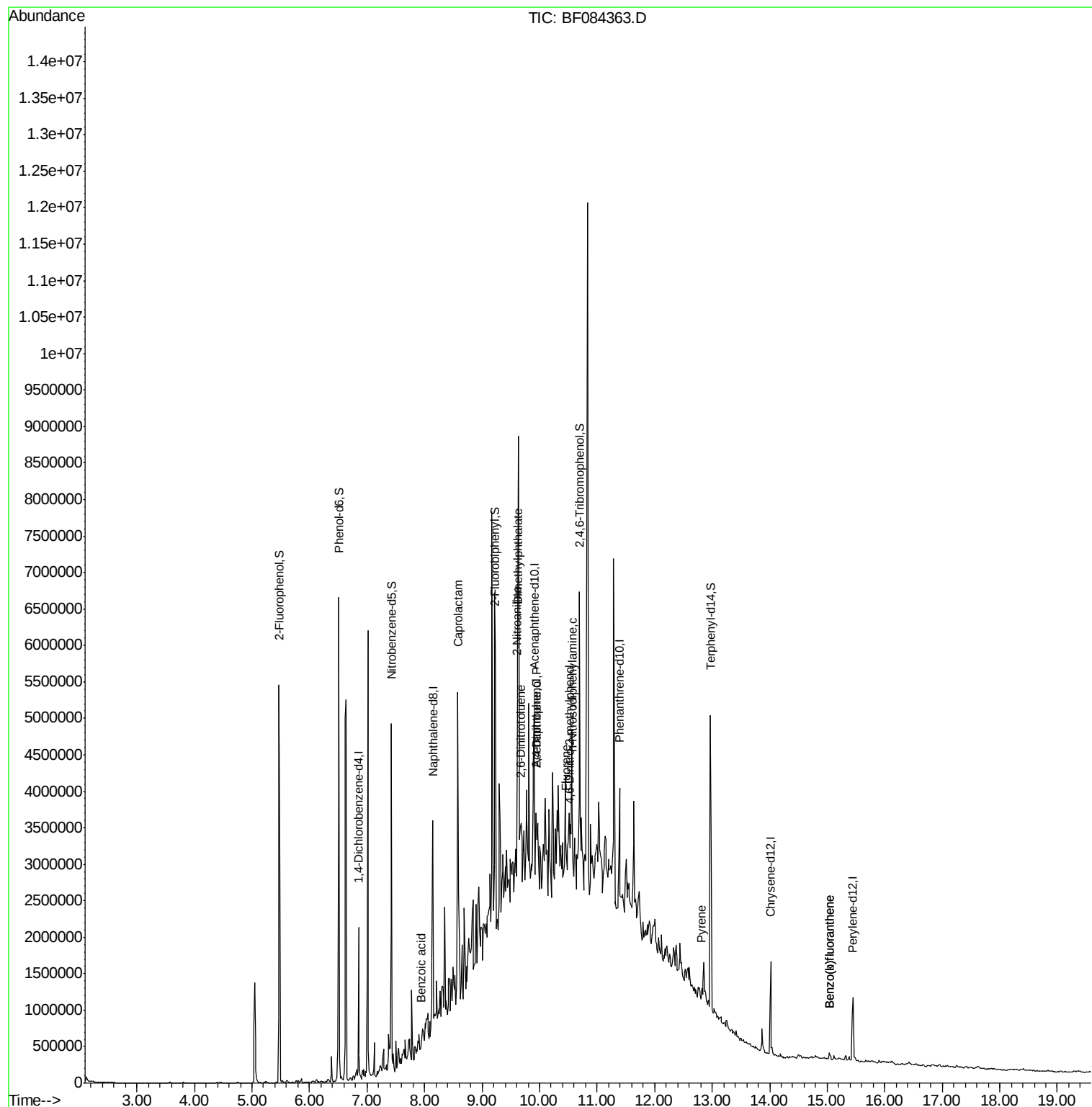
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	7.94	122	7747	6.86	ng	# 22
35) Caprolactam	8.58	113	144957	30.07	ng	# 29
47) 2-Nitroaniline	9.61	65	26739	3.16	ng	# 89
49) Dimethylphthalate	9.62	163	609786	20.78	ng	# 93
50) 2,6-Dinitrotoluene	9.68	165	16640	2.59	ng	# 66
51) Acenaphthene	9.94	154	61886	2.44	ng	# 73
53) 2,4-Dinitrophenol	9.94	184	1376	4.04	ng	# 1
54) Dibenzofuran	10.11	168	87772	Below Cal		# 84
57) Fluorene	10.45	166	120637	2.49	ng	# 86
60) 4-Chlorophenyl-phenylether	10.46	204	2511	Below Cal		# 1
64) 4,6-Dinitro-2-methylphenol	10.52	198	2028	6.76	ng	# 1
65) n-Nitrosodiphenylamine	10.57	169	286932	12.58	ng	# 43
73) Di-n-butylphthalate	11.95	149	39822	Below Cal		# 81
77) Pyrene	12.82	202	96580	2.37	ng	# 94
87) Benzo(b)fluoranthene	15.04	252	62647	2.15	ng	# 84
88) Benzo(k)fluoranthene	15.04	252	62647	2.63	ng	# 88

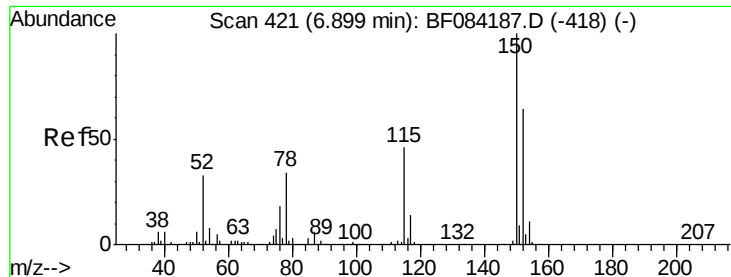
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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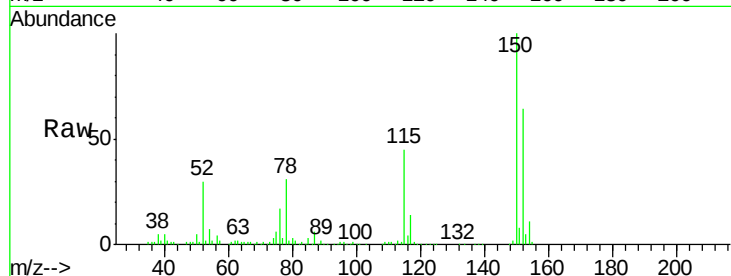


#1

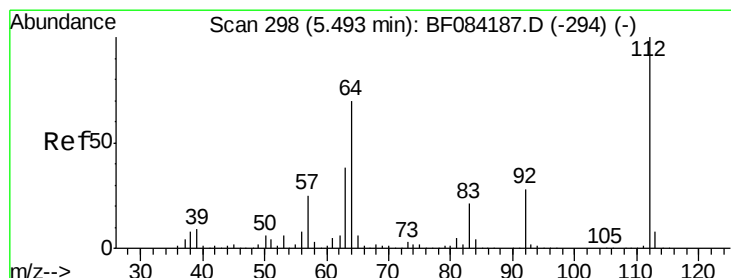
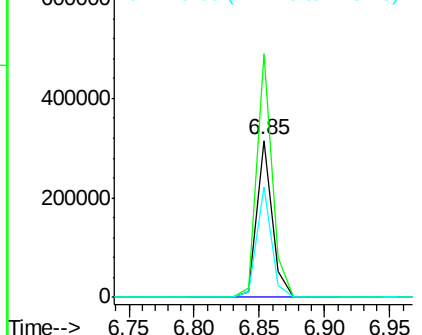
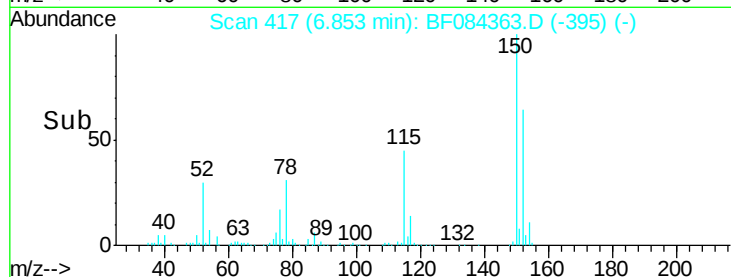
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 417
Delta R.T. -0.05 min
Lab File: BF084363.D
Acq: 10 Jan 2016 14:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 260175
Ion Ratio Lower Upper
152 100
150 155.5 123.0 184.4
115 70.7 51.4 77.2



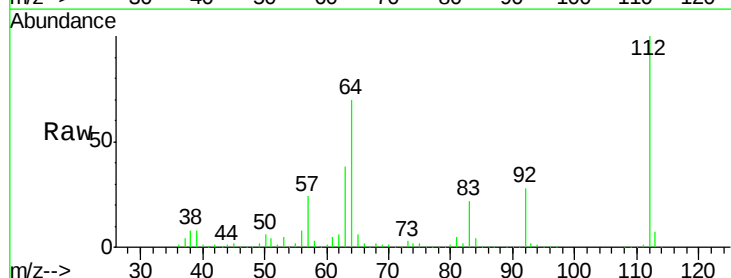
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



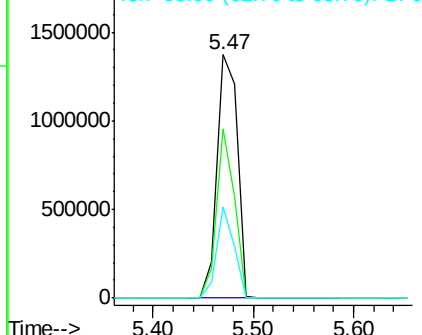
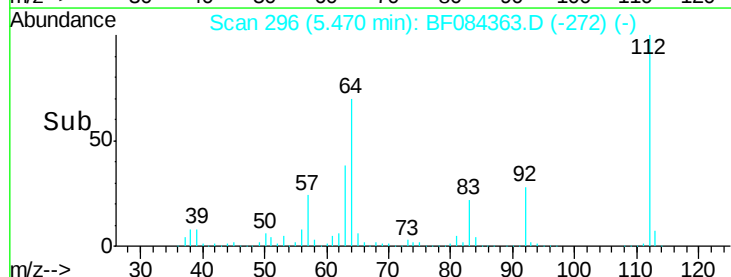
#5

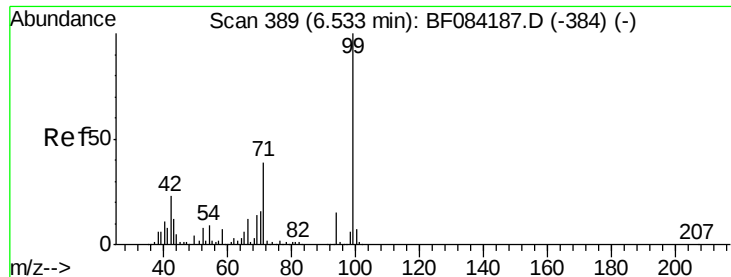
2-Fluorophenol
Concen: 119.55 ng
RT: 5.47 min Scan# 296
Delta R.T. -0.02 min
Lab File: BF084363.D
Acq: 10 Jan 2016 14:27

Tgt Ion:112 Resp: 1923048
Ion Ratio Lower Upper
112 100
64 69.8 36.6 55.0#
63 37.5 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: 120.57 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.02 min

Lab File: BF084363.D

Acq: 10 Jan 2016 14:27

Instrument :

BNA_F

ClientSampleId :

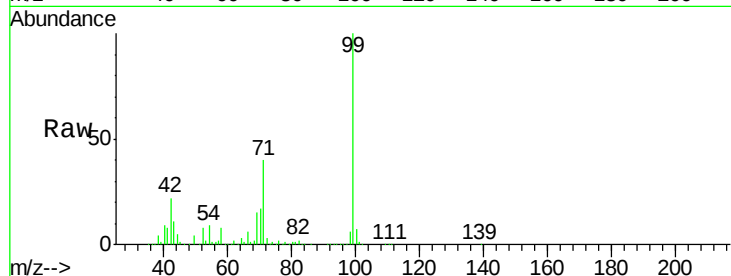
Tot Ion: 99 Resp: 2435745

Ion Ratio Lower Upper

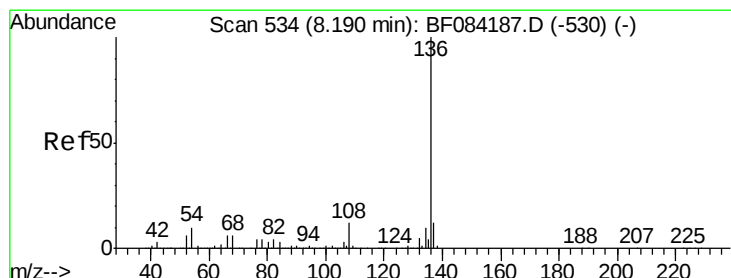
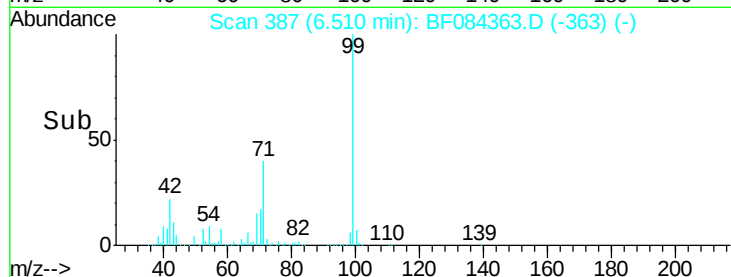
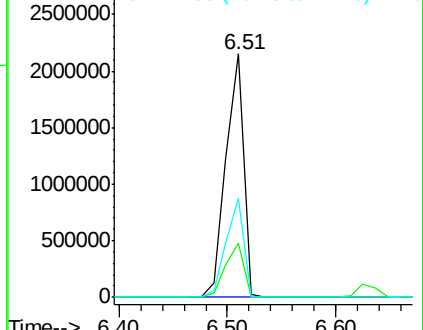
99 100

42 22.1 12.8 19.2#

71 40.4 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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 530

Delta R.T. -0.05 min

Lab File: BF084363.D

Acq: 10 Jan 2016 14:27

Tgt Ion:136 Resp: 1022627

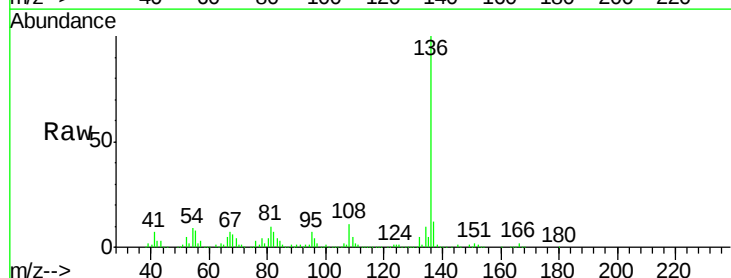
Ion Ratio Lower Upper

136 100

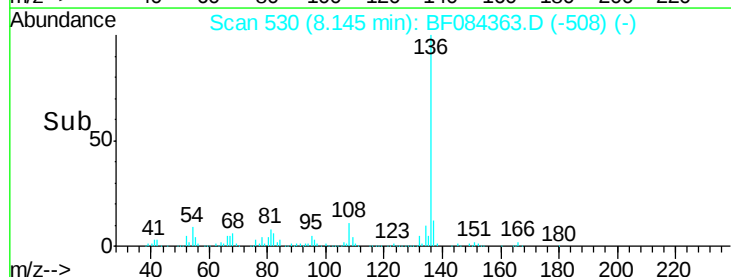
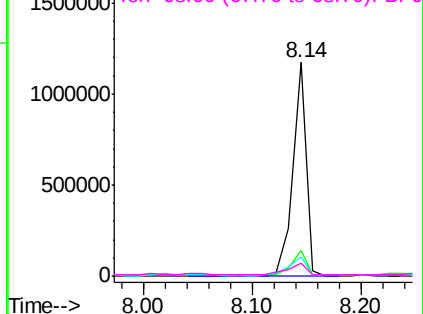
137 12.1 8.7 13.1

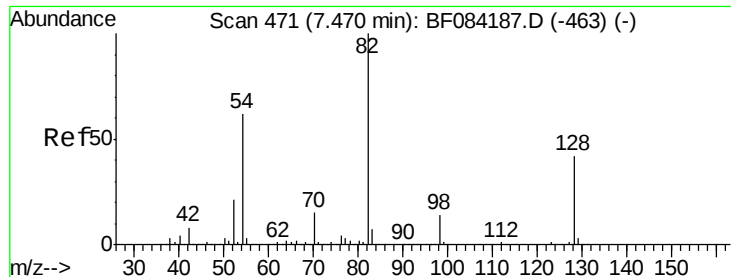
54 9.3 5.8 8.8#

68 6.1 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

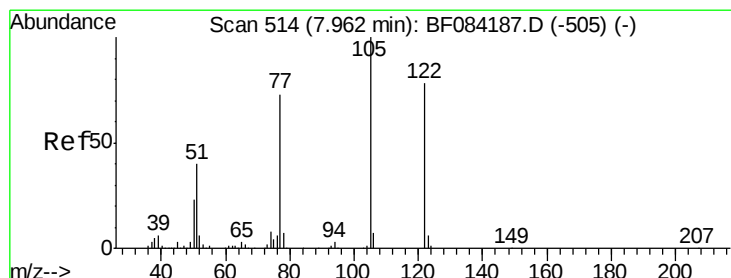
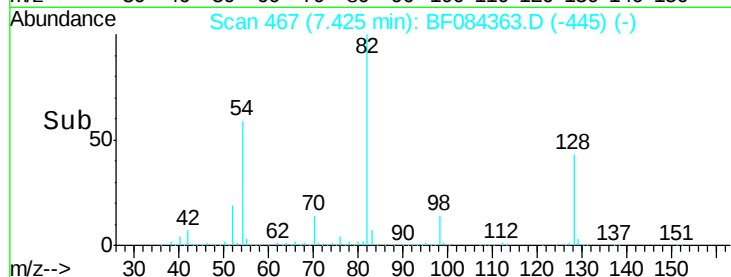
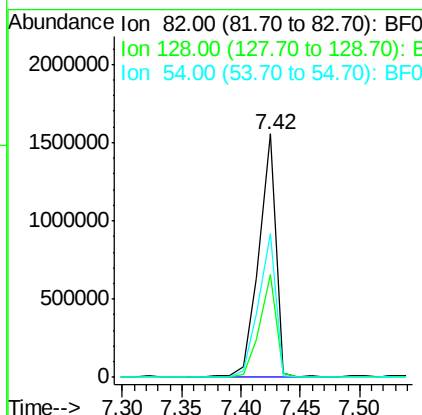
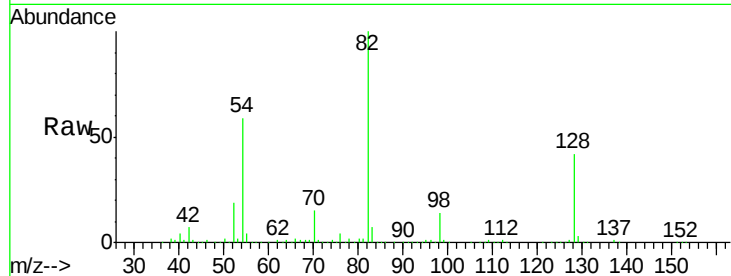




#23
Nitrobenzene-d5
Concen: 85.99 ng
RT: 7.42 min Scan# 467
Delta R.T. -0.05 min
Lab File: BF084363.D
Acq: 10 Jan 2016 14:27

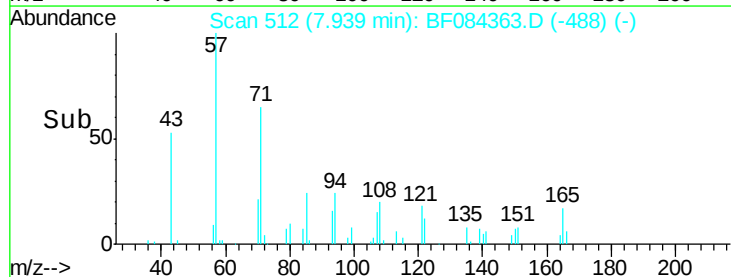
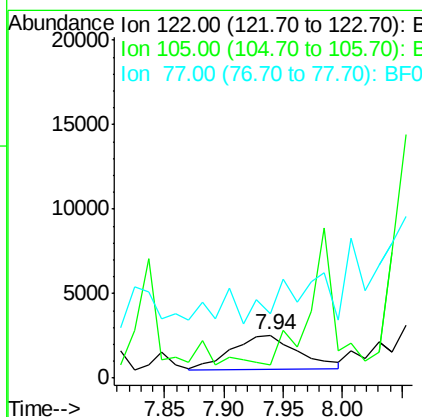
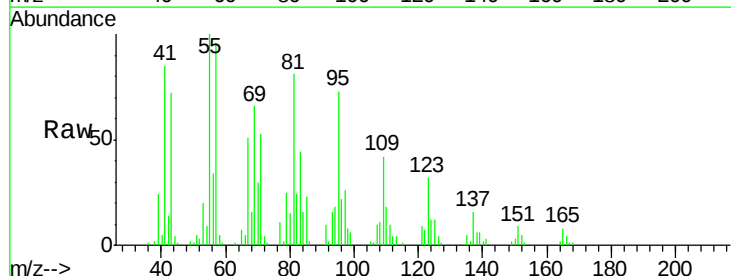
Instrument :
BNA_F
ClientSampleId :

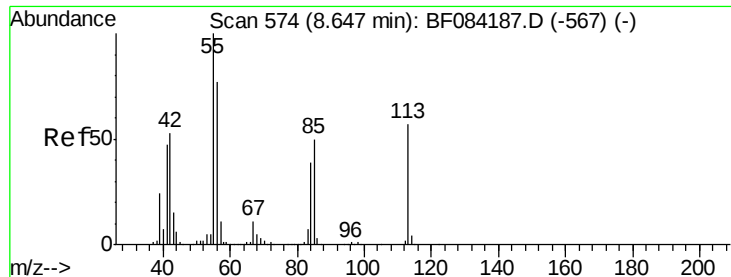
Tot Ion: 82 Resp: 1579964
Ion Ratio Lower Upper
82 100
128 42.5 34.6 51.8
54 59.3 38.4 57.6#



#32
Benzoic acid
Concen: 6.86 ng
RT: 7.94 min Scan# 512
Delta R.T. -0.02 min
Lab File: BF084363.D
Acq: 10 Jan 2016 14:27

Tgt Ion:122 Resp: 7747
Ion Ratio Lower Upper
122 100
105 30.1 100.3 140.3#
77 150.0 63.5 103.5#





#35

Caprolactam

Concen: 30.07 ng

RT: 8.58 min Scan# 568

Delta R.T. -0.07 min

Lab File: BF084363.D

Acq: 10 Jan 2016 14:27

Instrument :

BNA_F

ClientSampled :

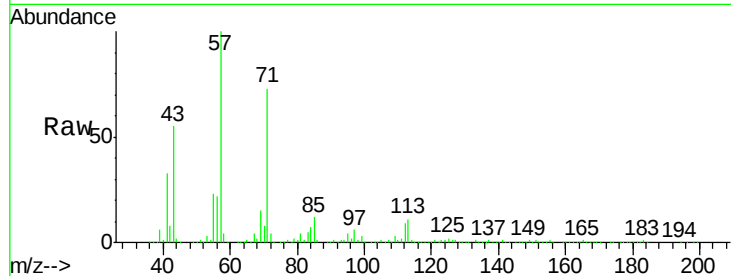
Tot Ion:113 Resp: 144957

Ion Ratio Lower Upper

113 100

55 213.0 116.9 156.9#

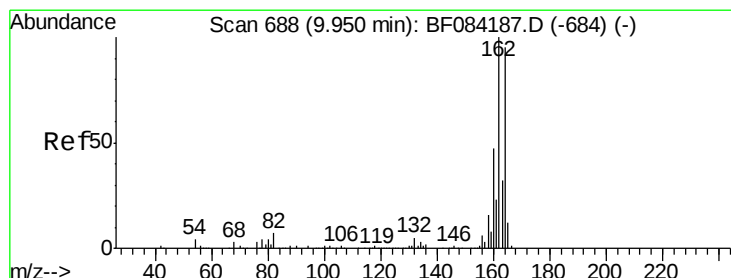
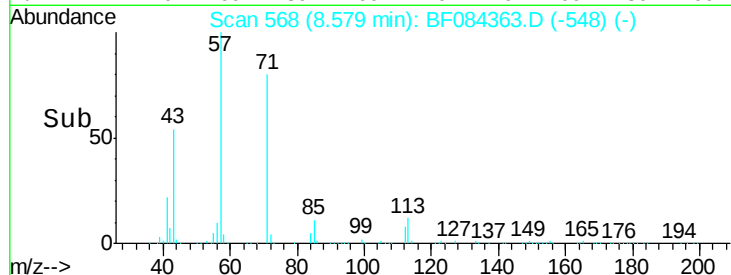
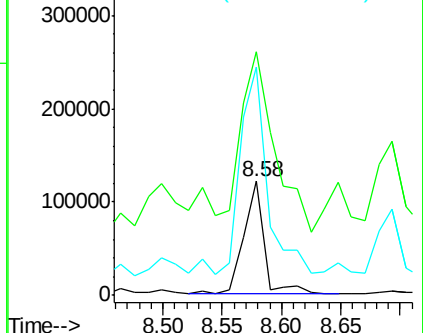
56 199.9 93.8 133.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.05 min

Lab File: BF084363.D

Acq: 10 Jan 2016 14:27

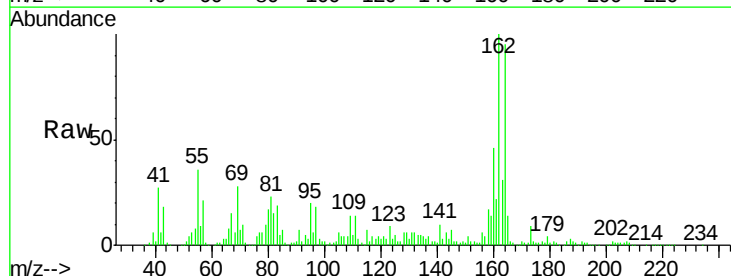
Tgt Ion:164 Resp: 410457

Ion Ratio Lower Upper

164 100

162 105.8 85.1 127.7

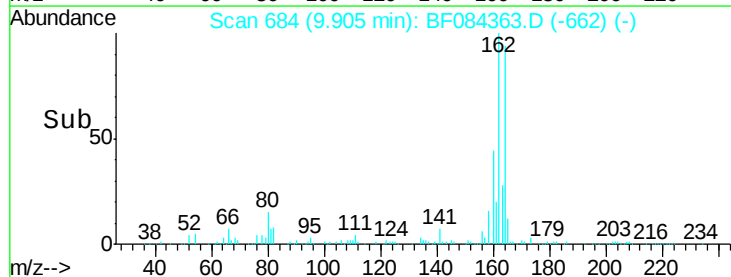
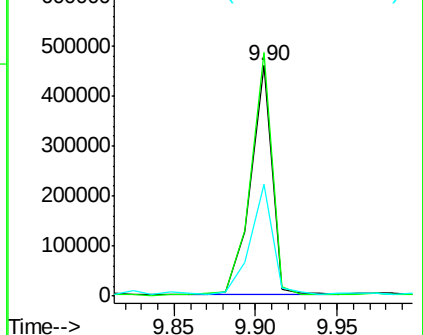
160 48.7 37.5 56.3

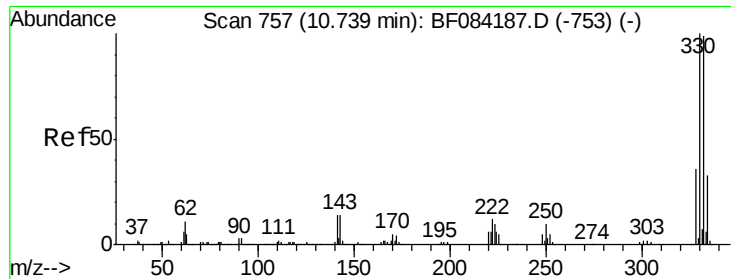


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

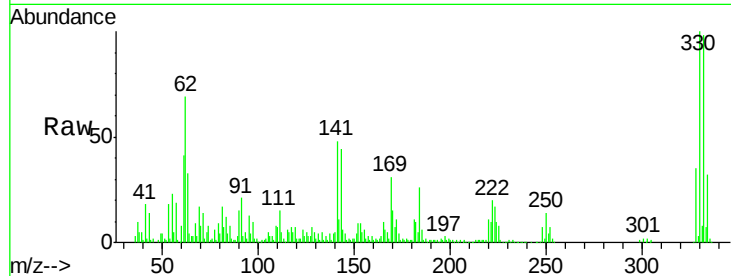




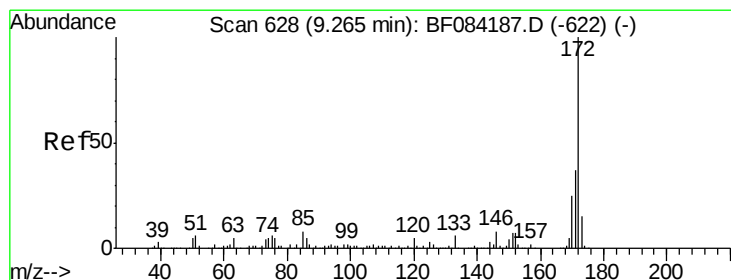
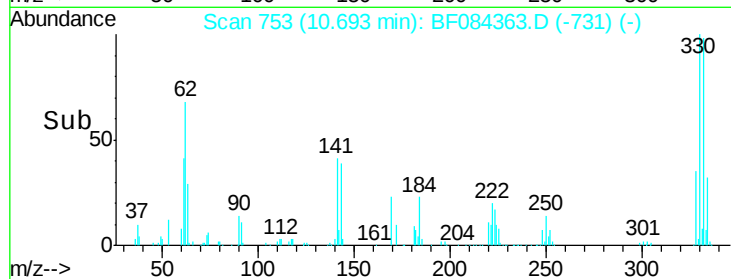
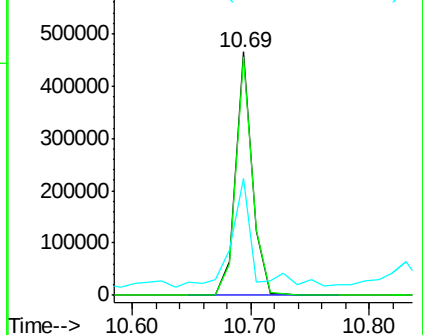
#41
 2,4,6-Tribromophenol
 Concen: 110.19 ng
 RT: 10.69 min Scan# 753
 Delta R.T. -0.05 min
 Lab File: BF084363.D
 Acq: 10 Jan 2016 14:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 456633
 Ion Ratio Lower Upper
 330 100
 332 98.4 76.6 114.8
 141 48.5 27.8 41.6#

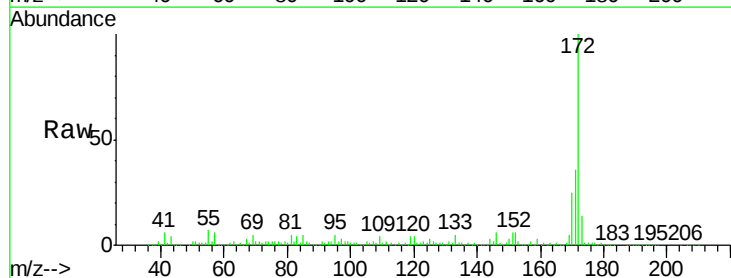


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

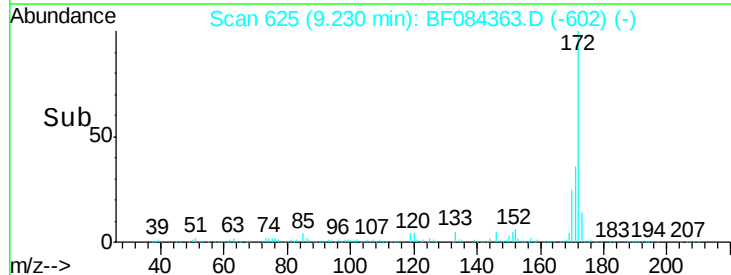
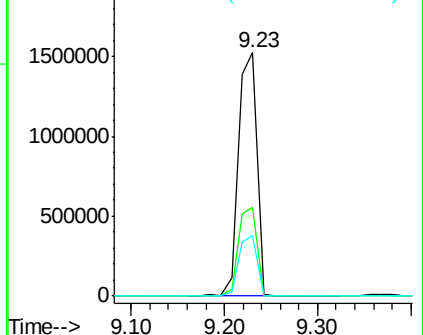


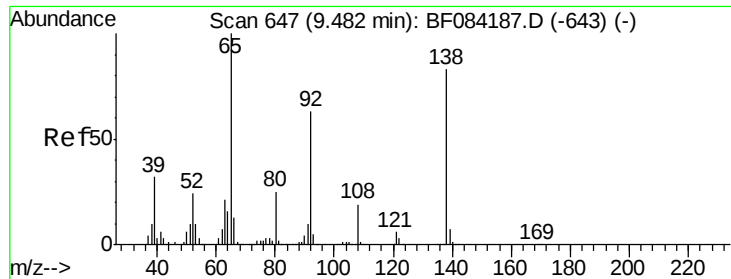
#44
 2-Fluorobiphenyl
 Concen: 90.99 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.03 min
 Lab File: BF084363.D
 Acq: 10 Jan 2016 14:27

Tgt Ion:172 Resp: 2112543
 Ion Ratio Lower Upper
 172 100
 171 36.4 28.9 43.3
 170 25.0 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





#47

2-Nitroaniline

Concen: 3.16 ng

RT: 9.61 min Scan# 658

Delta R.T. 0.13 min

Lab File: BF084363.D

Acq: 10 Jan 2016 14:27

Instrument :

BNA_F

ClientSampled :

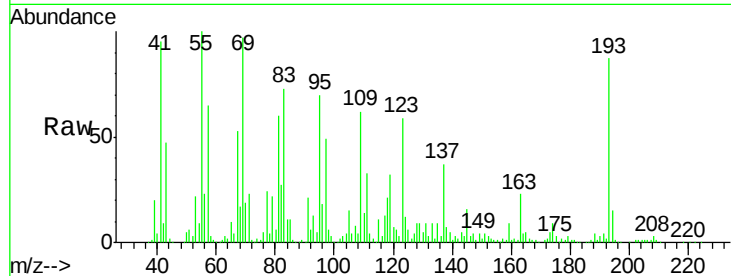
Tot Ion: 65 Resp: 26739

Ion Ratio Lower Upper

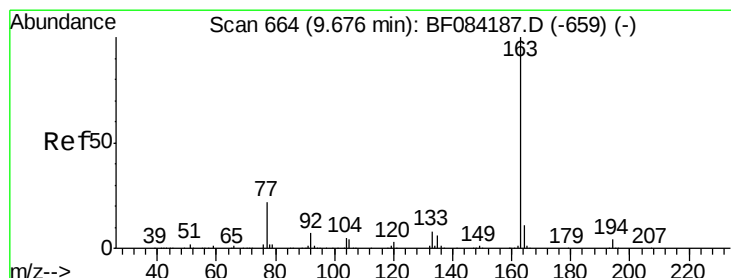
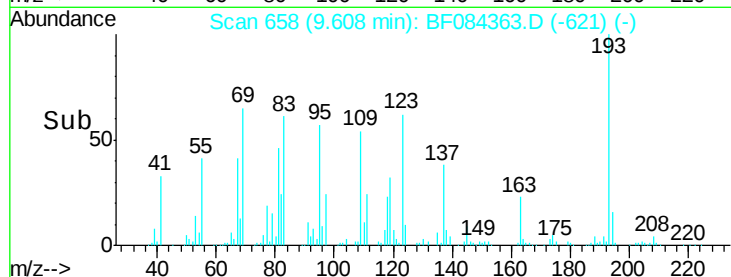
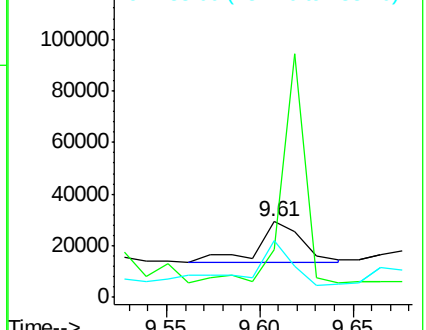
65 100

92 62.9 53.4 80.2

138 75.1 71.1 106.7



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E



#49

Dimethylphthalate

Concen: 20.78 ng

RT: 9.62 min Scan# 659

Delta R.T. -0.06 min

Lab File: BF084363.D

Acq: 10 Jan 2016 14:27

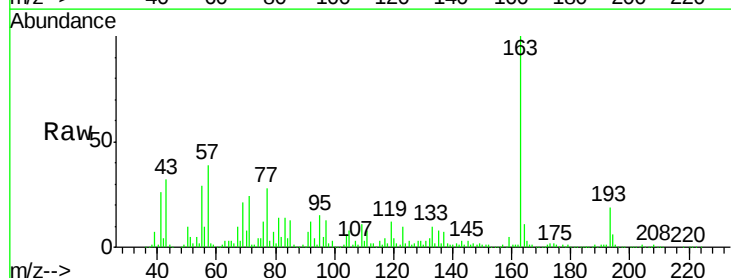
Tgt Ion:163 Resp: 609786

Ion Ratio Lower Upper

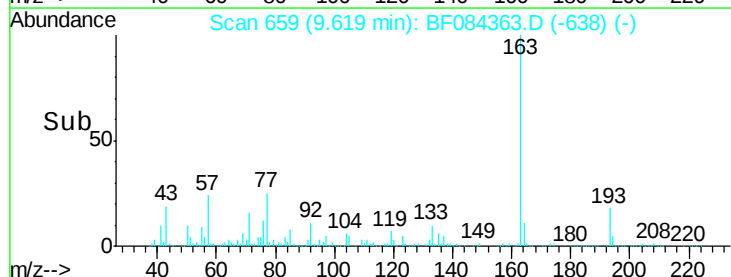
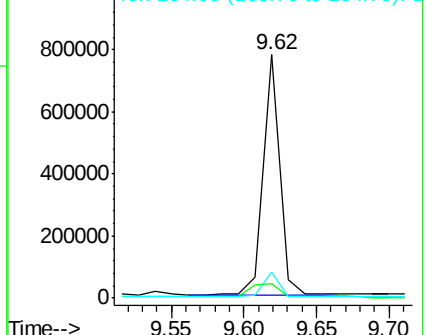
163 100

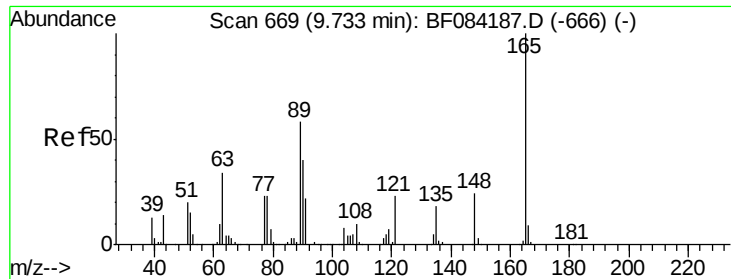
194 5.9 8.0 12.0#

164 10.8 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

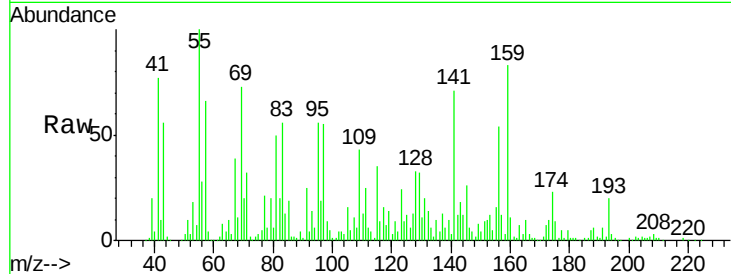




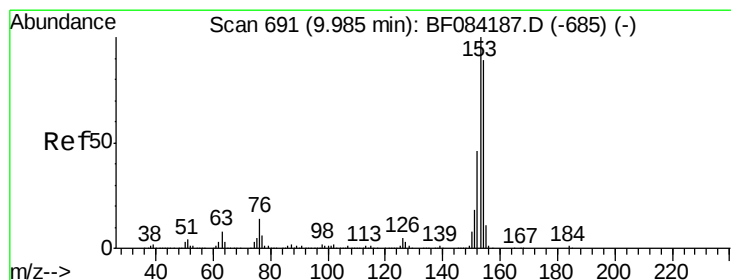
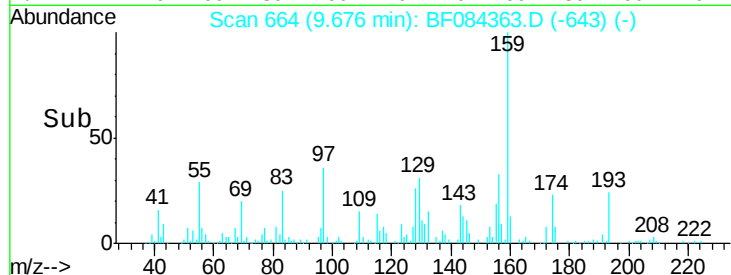
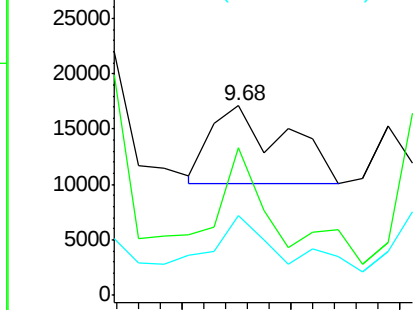
#50
 2,6-Dinitrotoluene
 Concen: 2.59 ng
 RT: 9.68 min Scan# 664
 Delta R.T. -0.06 min
 Lab File: BF084363.D
 Acq: 10 Jan 2016 14:27

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165 Resp: 16640
 Ion Ratio Lower Upper
 165 100
 63 77.9 28.8 43.2#
 89 41.9 35.1 52.7

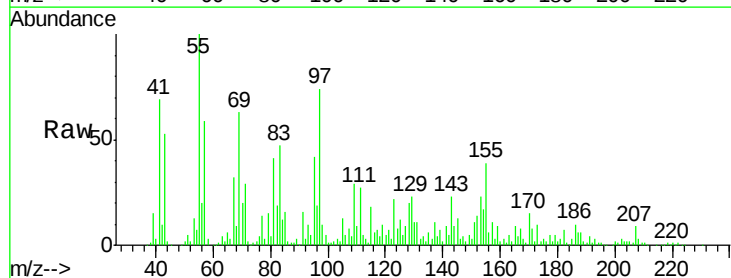


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

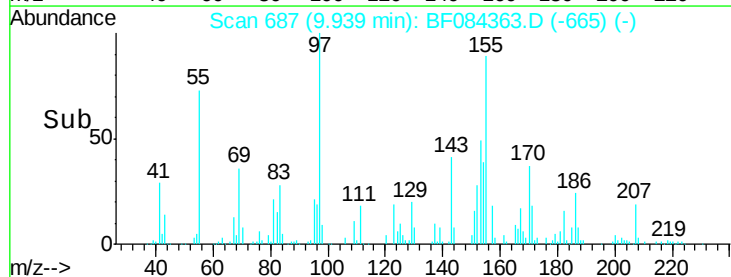
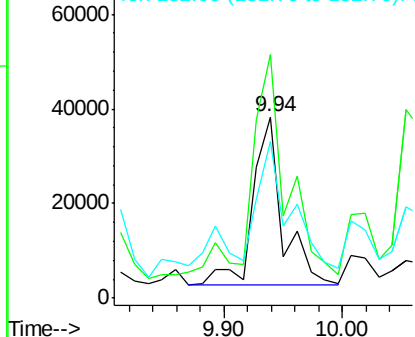


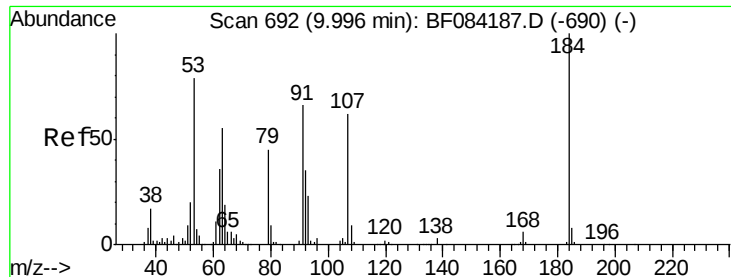
#51
 Acenaphthene
 Concen: 2.44 ng
 RT: 9.94 min Scan# 687
 Delta R.T. -0.04 min
 Lab File: BF084363.D
 Acq: 10 Jan 2016 14:27

Tgt Ion:154 Resp: 61886
 Ion Ratio Lower Upper
 154 100
 153 134.3 91.5 137.3
 152 86.1 43.0 64.6#



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E

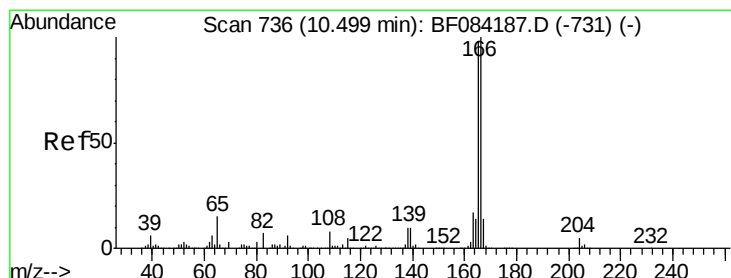
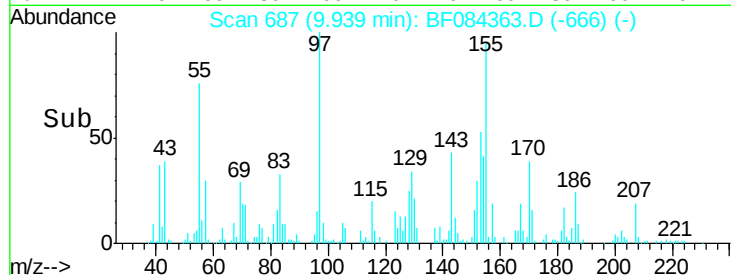
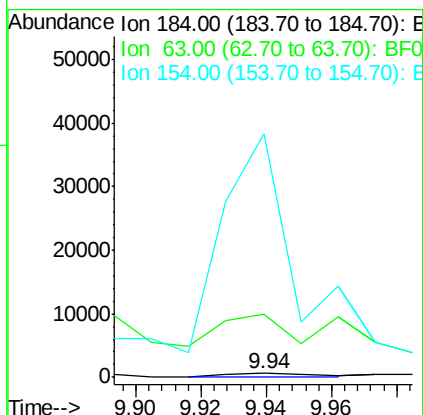
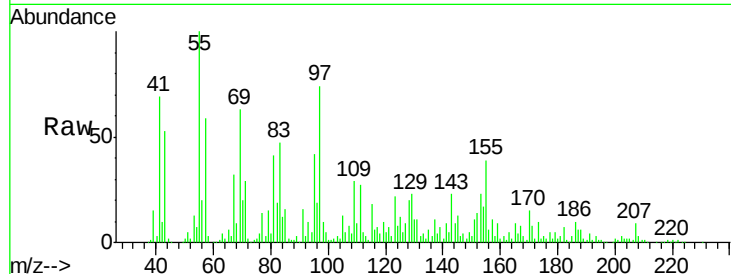




#53
2,4-Dinitrophenol
Concen: 4.04 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.06 min
Lab File: BF084363.D
Acq: 10 Jan 2016 14:27

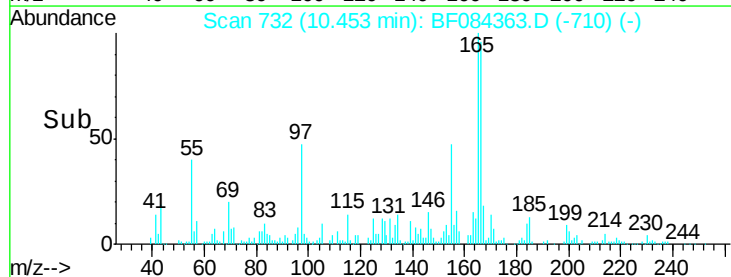
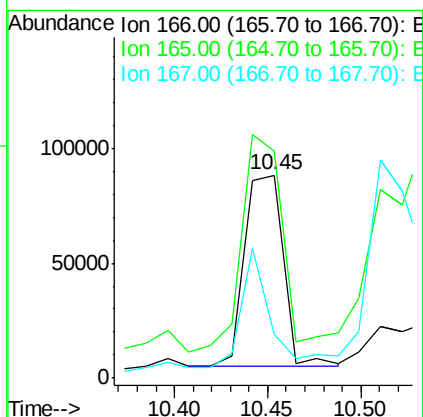
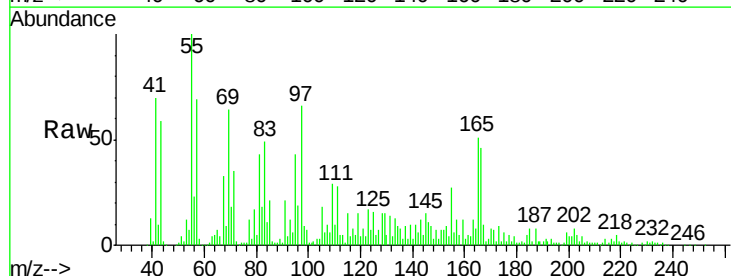
Instrument :
BNA_F
ClientSampled :

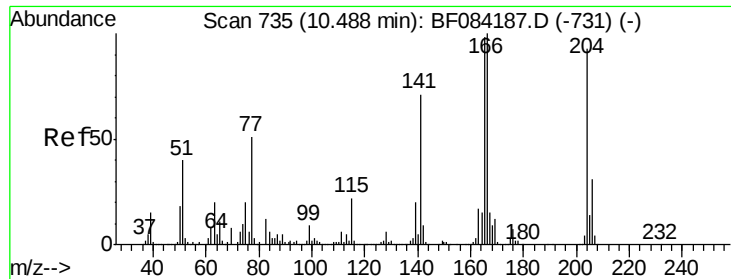
Tot Ion:184 Resp: 1376
Ion Ratio Lower Upper
184 100
63 1554.8 43.1 64.7#
154 5967.6 60.5 90.7#



#57
Fluorene
Concen: 2.49 ng
RT: 10.45 min Scan# 732
Delta R.T. -0.04 min
Lab File: BF084363.D
Acq: 10 Jan 2016 14:27

Tgt Ion:166 Resp: 120637
Ion Ratio Lower Upper
166 100
165 111.8 79.1 118.7
167 21.4 10.4 15.6#





#60

4-Chlorophenyl-phenylether

Concen: Below Cal

RT: 10.46 min Scan# 733

Delta R.T. -0.02 min

Lab File: BF084363.D

Acq: 10 Jan 2016 14:27

Instrument :

BNA_F

ClientSampled :

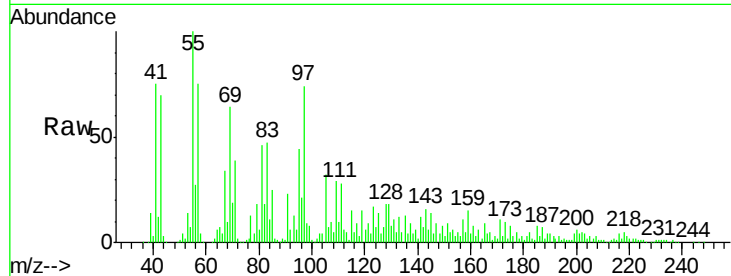
Tot Ion:204 Resp: 2511

Ion Ratio Lower Upper

204 100

206 109.6 25.7 38.5#

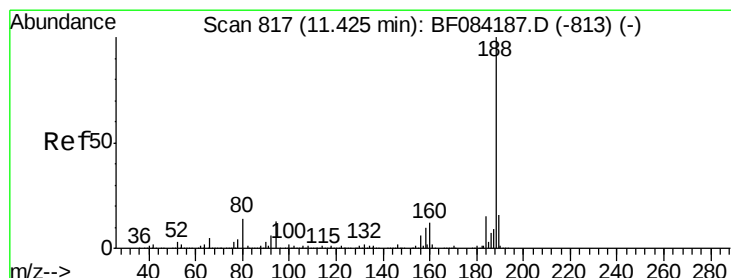
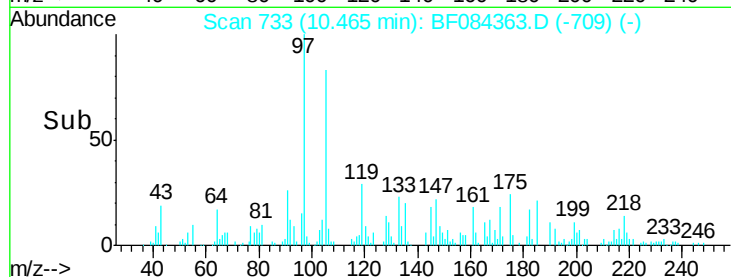
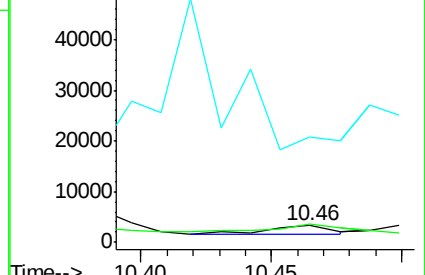
141 629.6 55.1 82.7#



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: BF084363.D

Acq: 10 Jan 2016 14:27

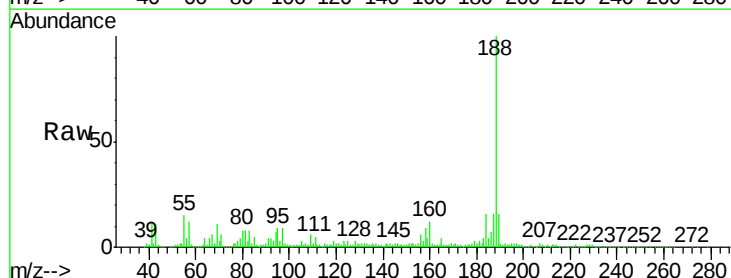
Tgt Ion:188 Resp: 713165

Ion Ratio Lower Upper

188 100

94 7.2 9.0 13.4#

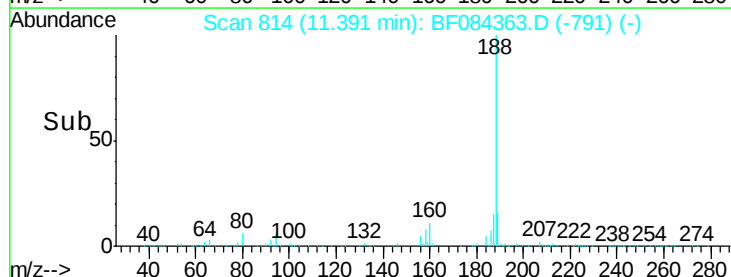
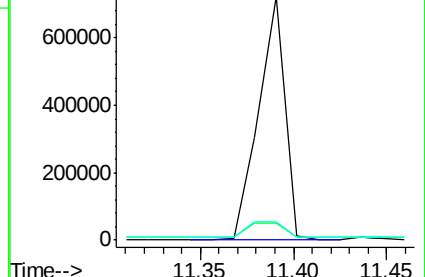
80 7.5 9.6 14.4#

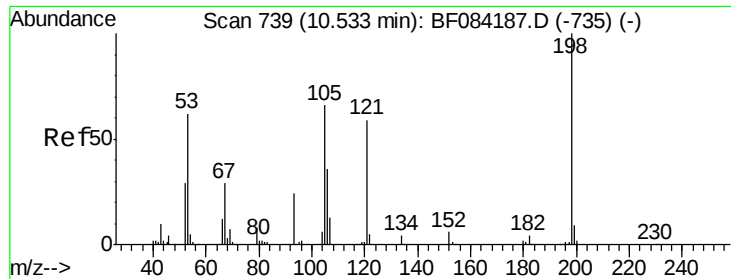


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

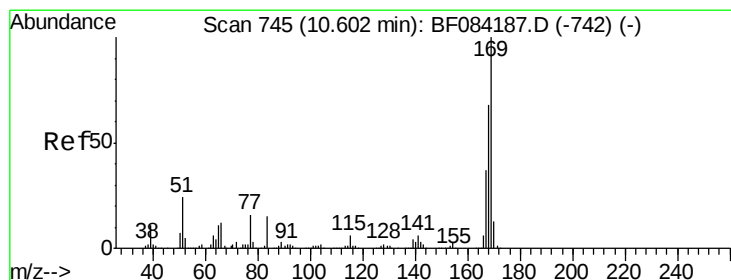
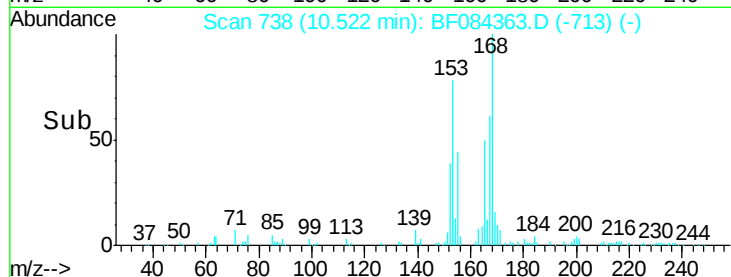
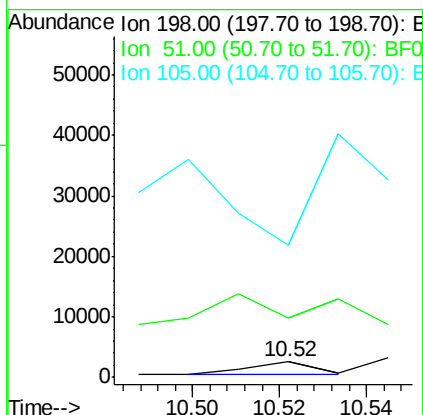
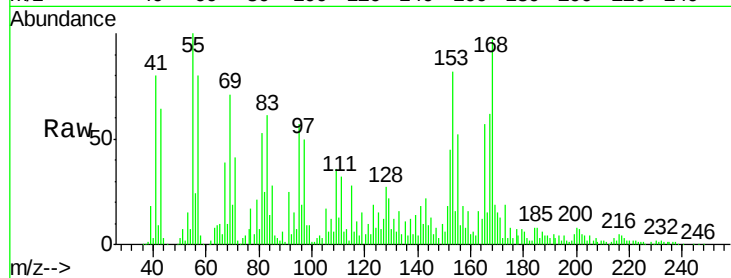




#64
4,6-Dinitro-2-methylphenol
Concen: 6.76 ng
RT: 10.52 min Scan# 738
Delta R.T. -0.01 min
Lab File: BF084363.D
Acq: 10 Jan 2016 14:27

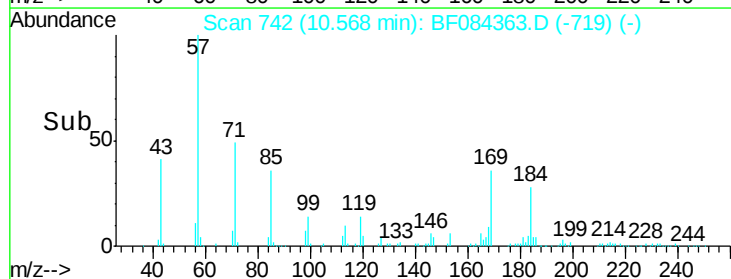
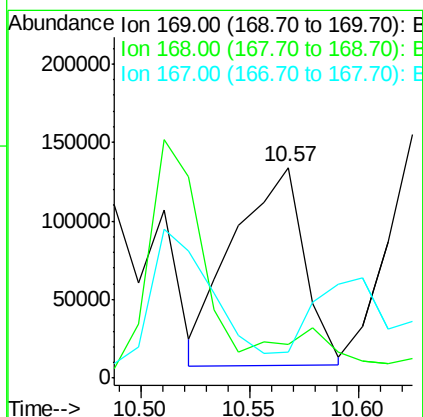
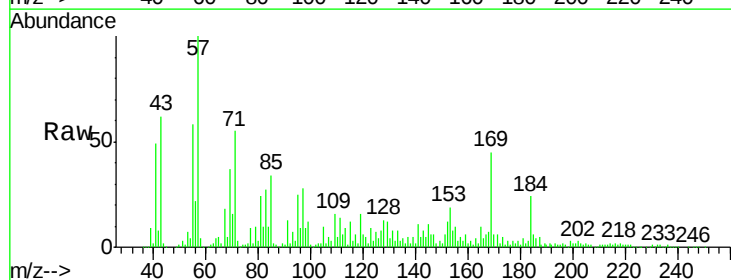
Instrument :
BNA_F
ClientSampleId :

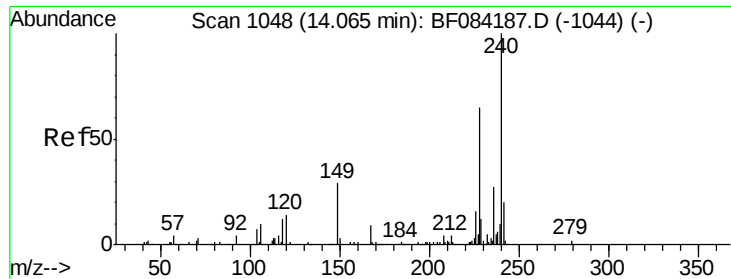
Tot Ion:198 Resp: 2028
Ion Ratio Lower Upper
198 100
51 391.6 18.9 58.9#
105 876.0 26.4 66.4#



#65
n-Nitrosodiphenylamine
Concen: 12.58 ng
RT: 10.57 min Scan# 742
Delta R.T. -0.03 min
Lab File: BF084363.D
Acq: 10 Jan 2016 14:27

Tgt Ion:169 Resp: 286932
Ion Ratio Lower Upper
169 100
168 16.1 55.1 82.7#
167 12.6 30.0 45.0#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 1044

Delta R.T. -0.05 min

Lab File: BF084363.D

Acq: 10 Jan 2016 14:27

Instrument :

BNA_F

ClientSampleId :

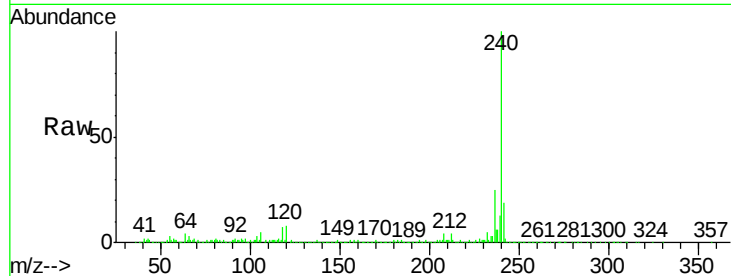
Tot Ion:240 Resp: 519528

Ion Ratio Lower Upper

240 100

120 7.7 9.5 14.3#

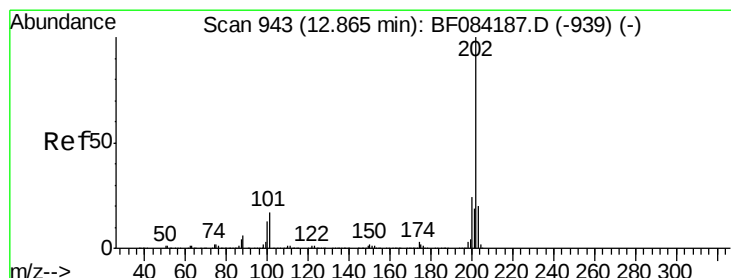
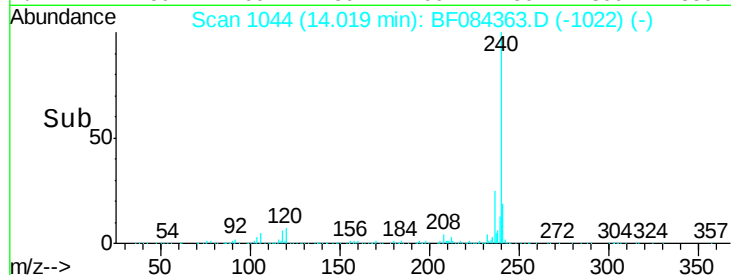
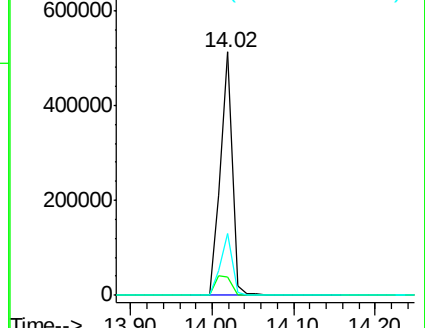
236 25.2 20.6 31.0



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: 2.37 ng

RT: 12.82 min Scan# 939

Delta R.T. -0.05 min

Lab File: BF084363.D

Acq: 10 Jan 2016 14:27

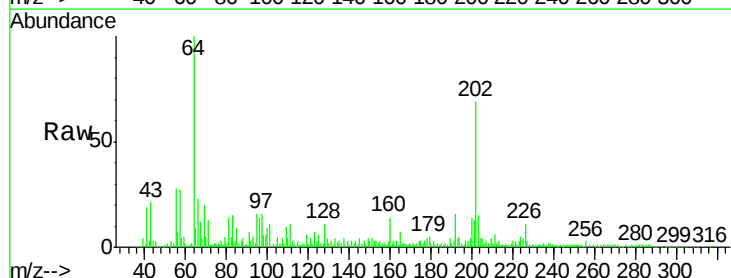
Tgt Ion:202 Resp: 96580

Ion Ratio Lower Upper

202 100

200 20.7 17.2 25.8

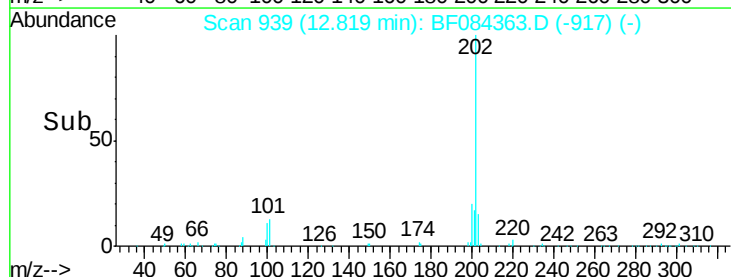
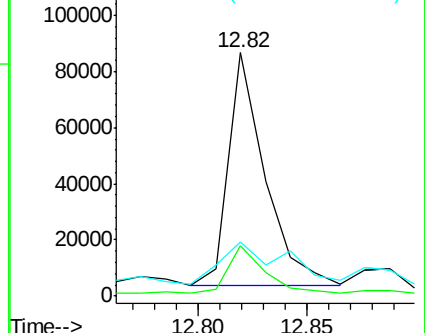
203 22.3 14.3 21.5#

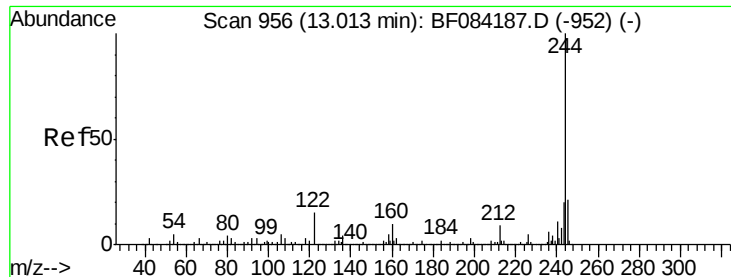


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 68.93 ng

RT: 12.97 min Scan# 952

Delta R.T. -0.05 min

Lab File: BF084363.D

Acq: 10 Jan 2016 14:27

Instrument :

BNA_F

ClientSampleId :

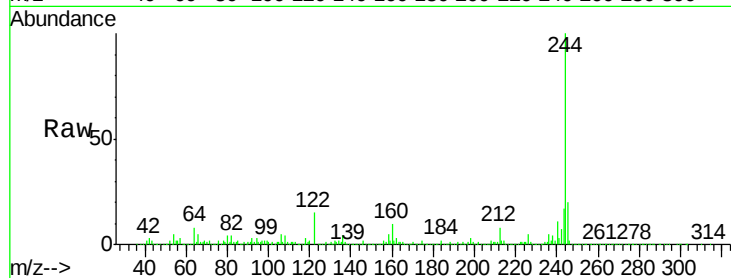
Tot Ion:244 Resp: 1604396

Ion Ratio Lower Upper

244 100

212 8.2 5.7 8.5

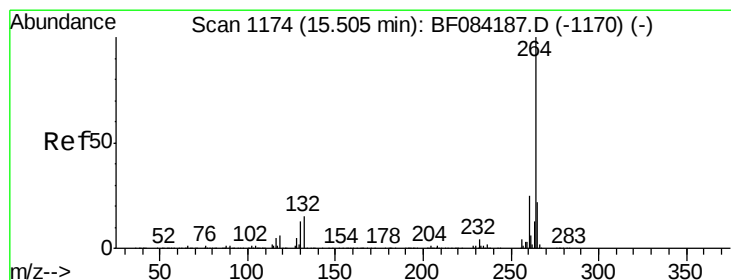
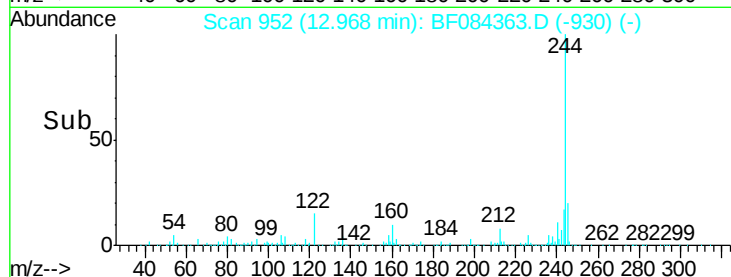
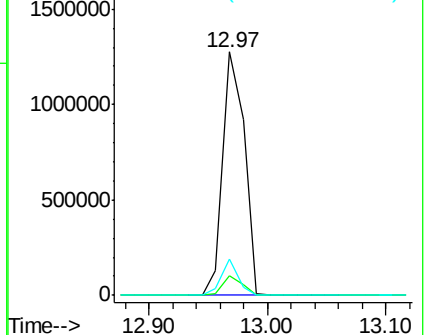
122 14.9 7.4 11.0#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.45 min Scan# 1169

Delta R.T. -0.06 min

Lab File: BF084363.D

Acq: 10 Jan 2016 14:27

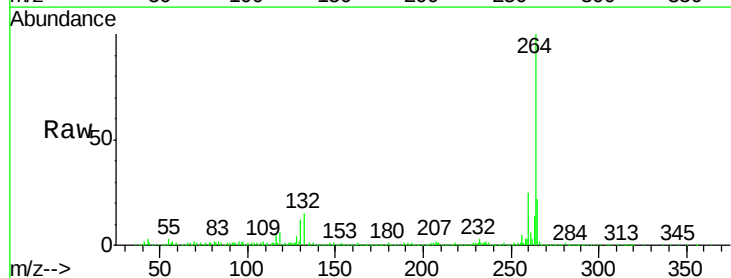
Tgt Ion:264 Resp: 445162

Ion Ratio Lower Upper

264 100

260 25.1 19.4 29.2

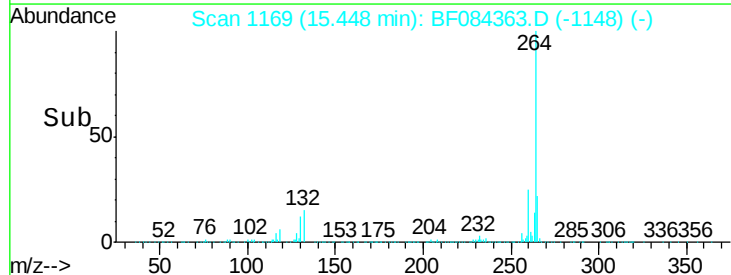
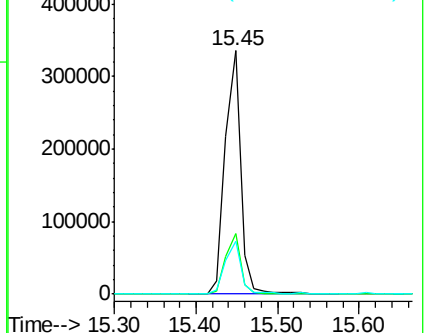
265 21.8 17.8 26.6

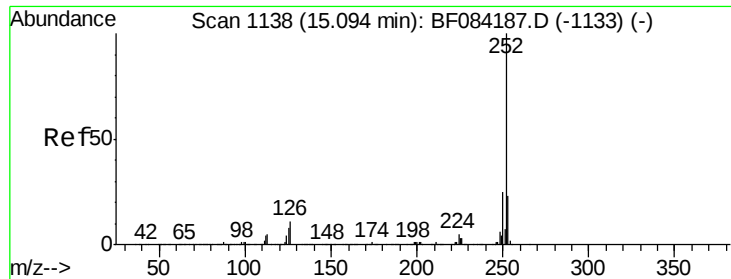


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

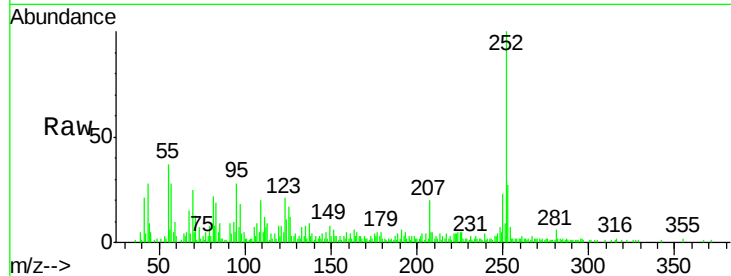




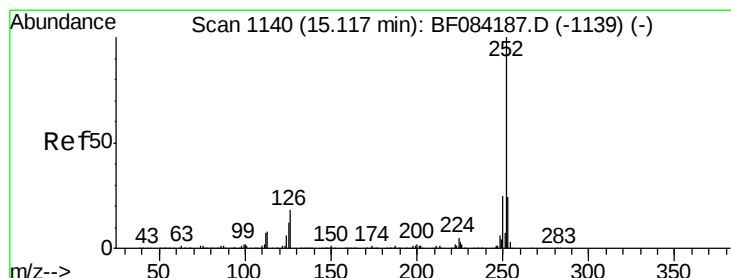
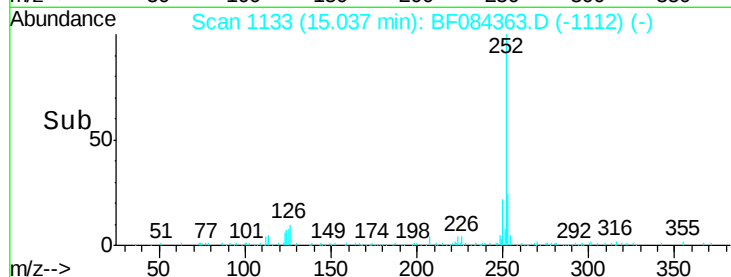
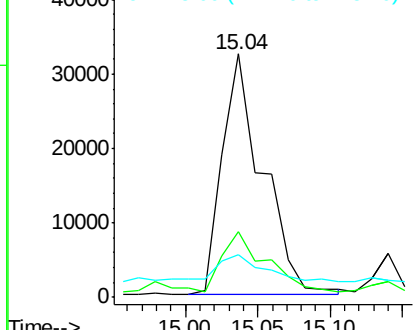
#87
Benzo(b)fluoranthene
Concen: 2.15 ng
RT: 15.04 min Scan# 1133
Delta R.T. -0.06 min
Lab File: BF084363.D
Acq: 10 Jan 2016 14:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 62647
Ion Ratio Lower Upper
252 100
253 27.2 17.3 25.9#
125 17.3 6.5 9.7#

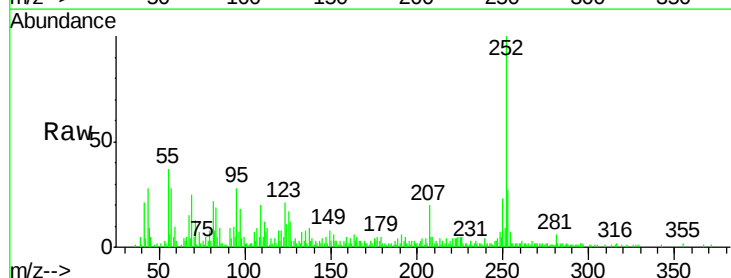


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 2.63 ng
RT: 15.04 min Scan# 1133
Delta R.T. -0.08 min
Lab File: BF084363.D
Acq: 10 Jan 2016 14:27

Tgt Ion:252 Resp: 62647
Ion Ratio Lower Upper
252 100
253 27.2 18.1 27.1#
125 17.3 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

