

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012216\
 Data File : BF084599.D
 Acq On : 22 Jan 2016 19:46
 Operator : SJ/IZ
 Sample : H1127-02 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-2

Quant Time: Jan 22 22:14:26 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 14 14:15:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	88769	20.00	ng	0.07
21) Naphthalene-d8	8.03	136	799478	20.00	ng	-0.09
38) Acenaphthene-d10	9.78	164	337415	20.00	ng	-0.09
63) Phenanthrene-d10	11.26	188	606304	20.00	ng	-0.09
75) Chrysene-d12	13.89	240	406911	20.00	ng	-0.10
86) Perylene-d12	15.29	264	374965	20.00	ng	-0.13

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	179278	32.67	ng	-0.10
7) Phenol-d6	6.38	99	244228	35.43	ng	-0.09
23) Nitrobenzene-d5	7.31	82	142697	9.93	ng	-0.09
41) 2,4,6-Tribromophenol	10.57	330	45285	13.29	ng	-0.10
44) 2-Fluorobiphenyl	9.10	172	232991	6.29	ng	-0.09
78) Terphenyl-d14	12.85	244	166939	9.16	ng	-0.09

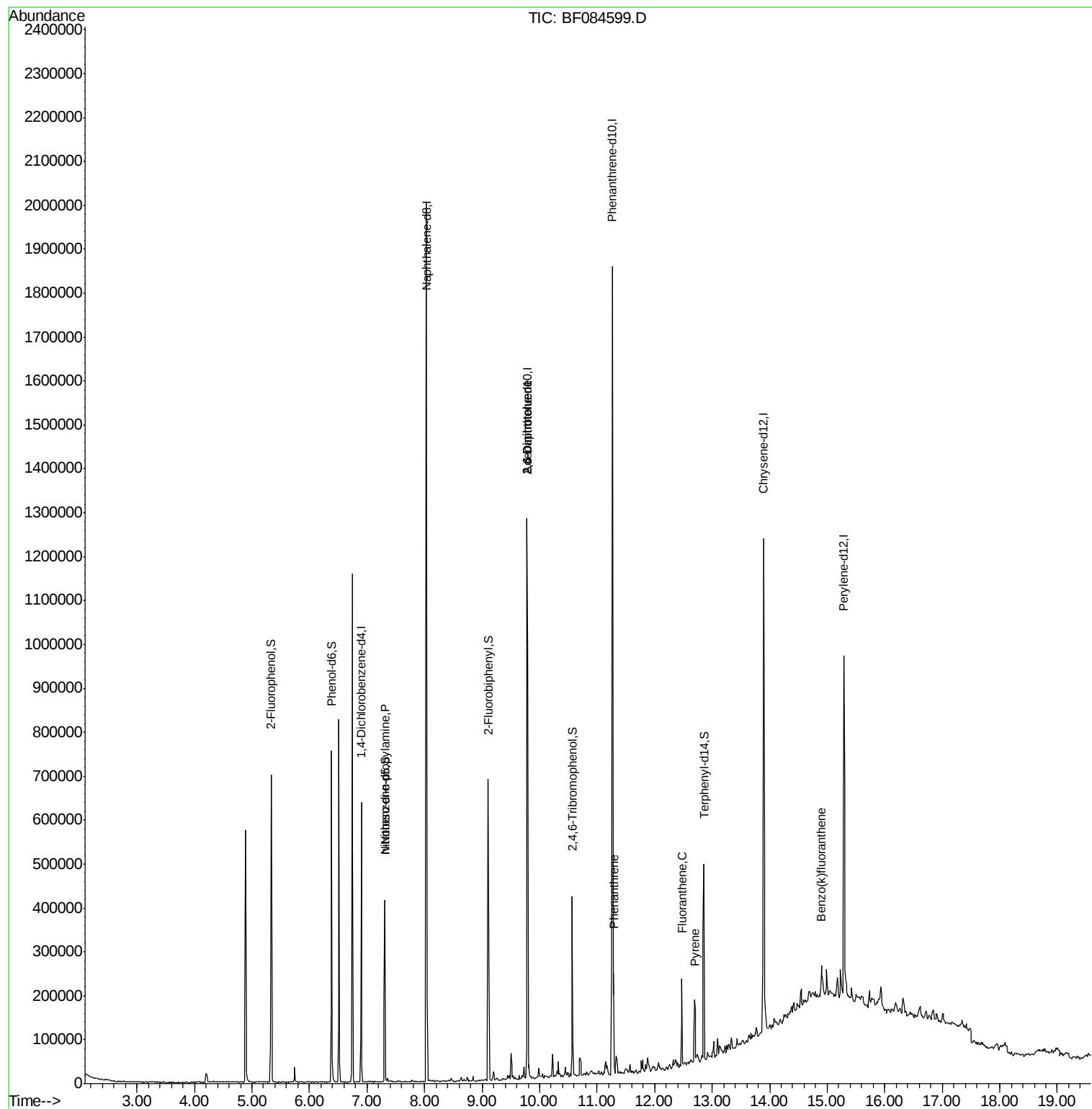
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.31	70	17384	3.73	ng	# 72
50) 2,6-Dinitrotoluene	9.78	165	43706	8.26	ng	# 37
54) Dibenzofuran	9.98	168	6493	Below Cal		# 91
56) 2,4-Dinitrotoluene	9.78	165	43942	6.56	ng	# 21
57) Fluorene	10.33	166	10021	Below Cal		# 96
70) Phenanthrene	11.29	178	78907	2.49	ng	# 97
73) Di-n-butylphthalate	11.84	149	2846	Below Cal		# 82
74) Fluoranthene	12.48	202	90222	2.72	ng	# 94
77) Pyrene	12.70	202	82259	2.58	ng	# 96
88) Benzo(k)fluoranthene	14.90	252	47760	2.38	ng	# 86

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 421

Delta R.T. 0.07 min

Lab File: BF084599.D

Acq: 22 Jan 2016 19:46

Instrument :

BNA_F

ClientSampleId :

S-2

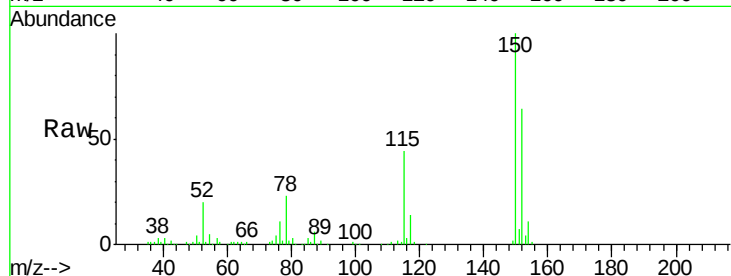
Tgt Ion:152 Resp: 88769

Ion Ratio Lower Upper

152 100

150 157.1 123.0 184.4

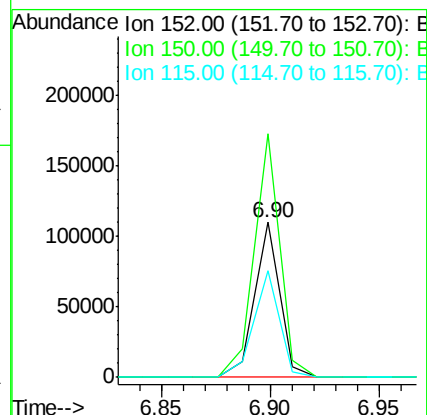
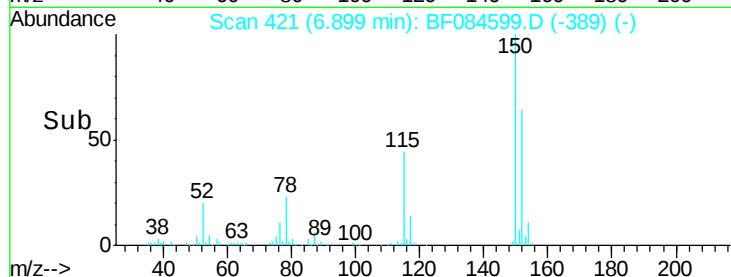
115 68.5 51.4 77.2



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: 32.67 ng

RT: 5.33 min Scan# 284

Delta R.T. -0.10 min

Lab File: BF084599.D

Acq: 22 Jan 2016 19:46

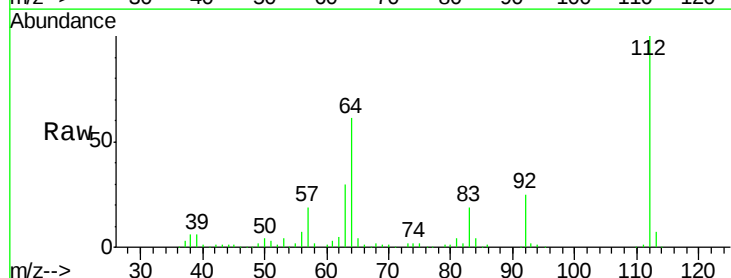
Tgt Ion:112 Resp: 179278

Ion Ratio Lower Upper

112 100

64 61.3 36.6 55.0#

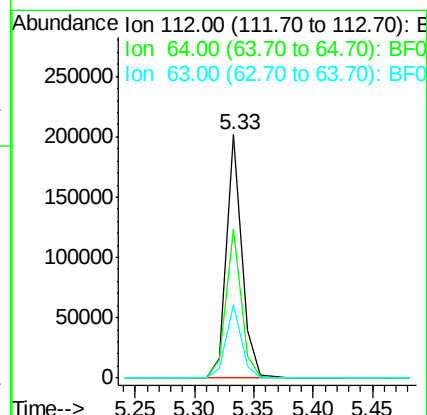
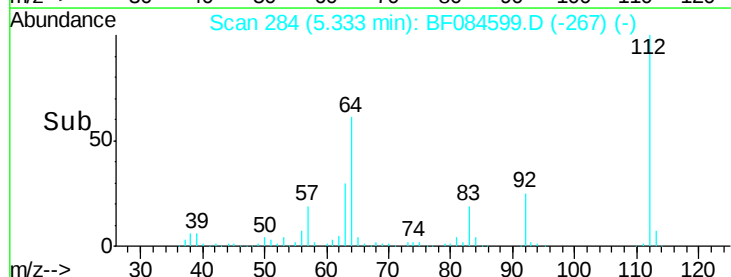
63 30.1 19.4 29.0#

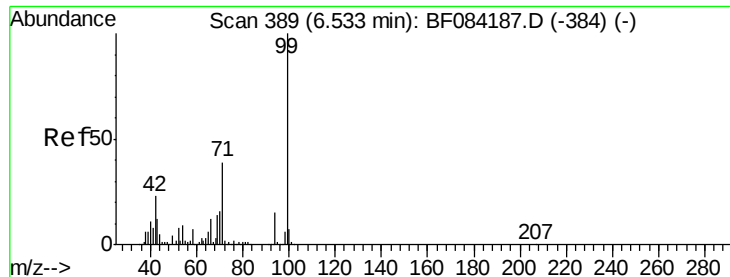


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 35.43 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.09 min

Lab File: BF084599.D

Acq: 22 Jan 2016 19:46

Instrument :

BNA_F

ClientSampleId :

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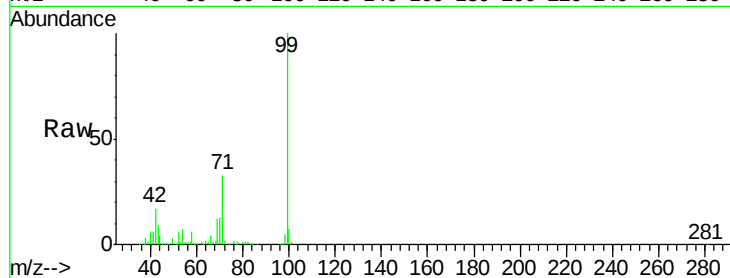
Tgt Ion: 99 Resp: 244228

Ion Ratio Lower Upper

99 100

42 17.0 12.8 19.2

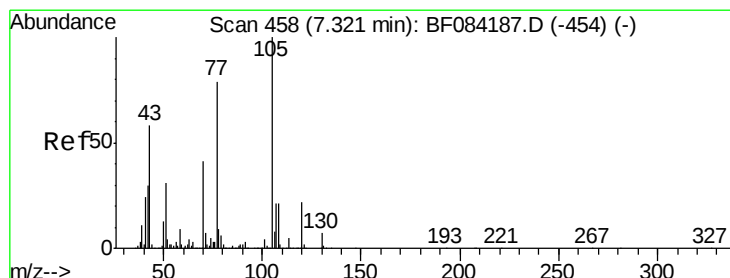
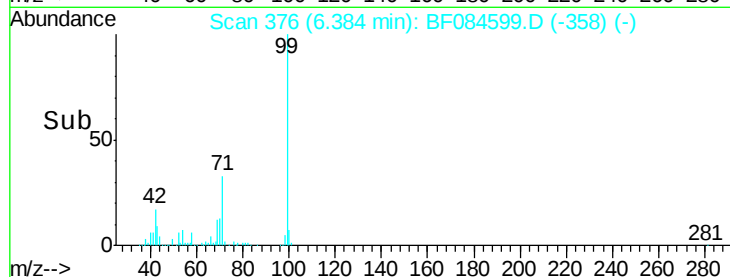
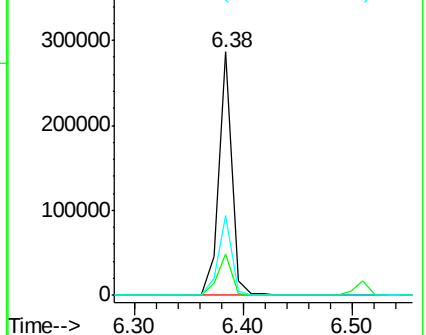
71 32.6 30.9 46.3



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: 3.73 ng

RT: 7.31 min Scan# 457

Delta R.T. 0.06 min

Lab File: BF084599.D

Acq: 22 Jan 2016 19:46

Tgt Ion: 70 Resp: 17384

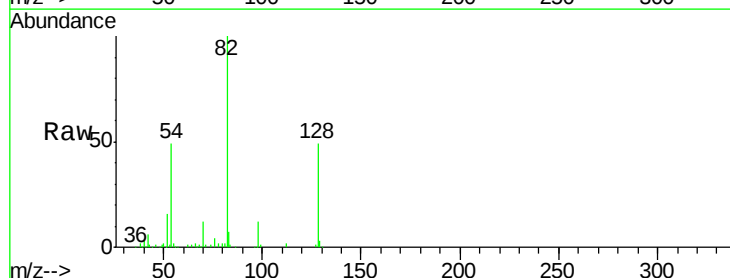
Ion Ratio Lower Upper

70 100

42 49.8 33.3 49.9

101 0.0 9.3 13.9#

130 2.5 23.4 35.0#

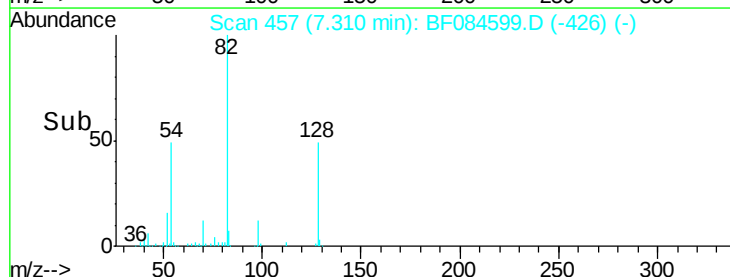
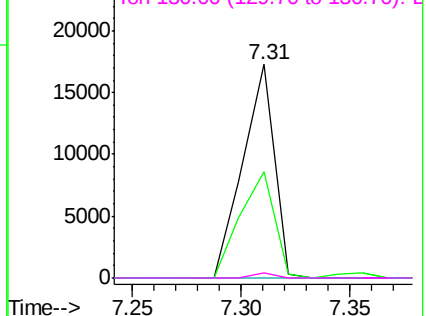


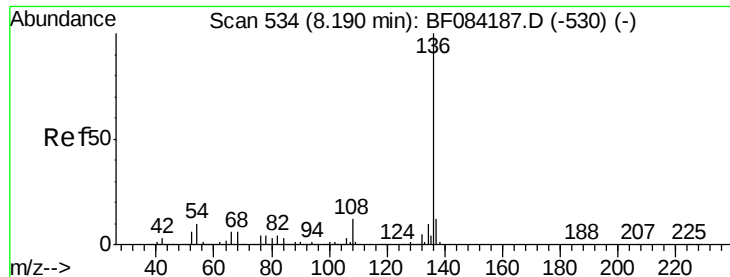
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 520

Delta R.T. -0.09 min

Lab File: BF084599.D

Acq: 22 Jan 2016 19:46

Instrument :

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Tgt Ion:136 Resp: 799478

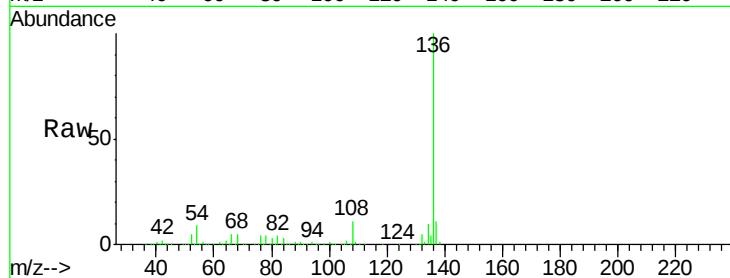
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 9.3 5.8 8.8#

68 5.2 4.2 6.2

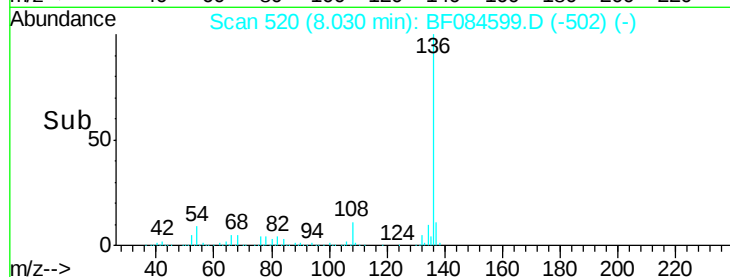


Abundance Ion 136.00 (135.70 to 136.70): E

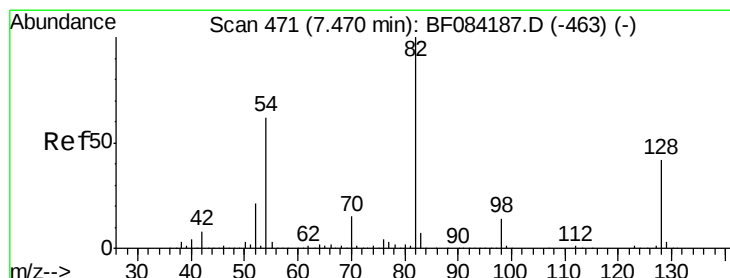
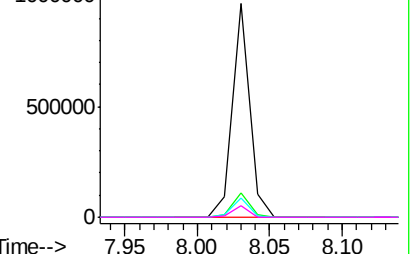
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 9.93 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.09 min

Lab File: BF084599.D

Acq: 22 Jan 2016 19:46

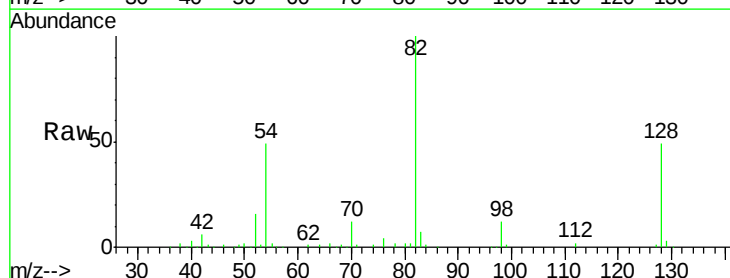
Tgt Ion: 82 Resp: 142697

Ion Ratio Lower Upper

82 100

128 49.1 34.6 51.8

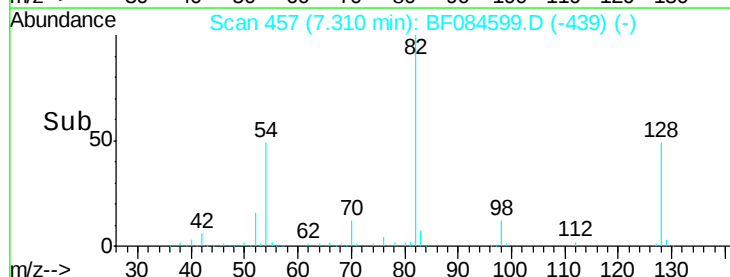
54 48.8 38.4 57.6



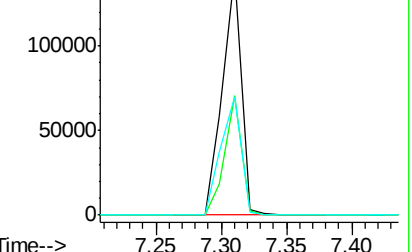
Abundance Ion 82.00 (81.70 to 82.70): BF0

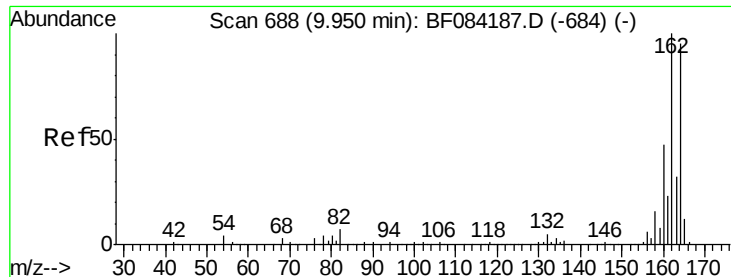
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->

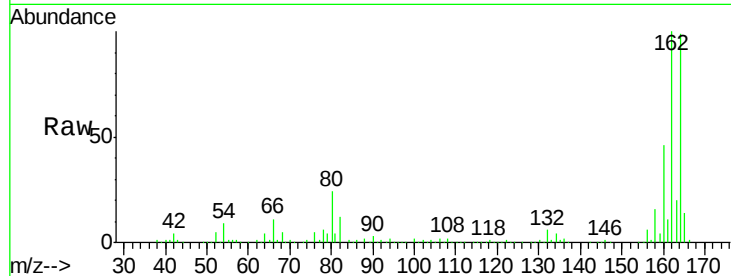




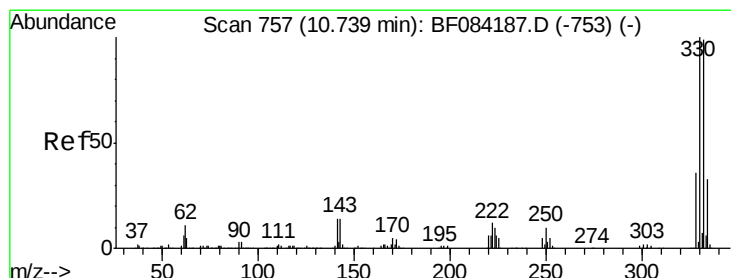
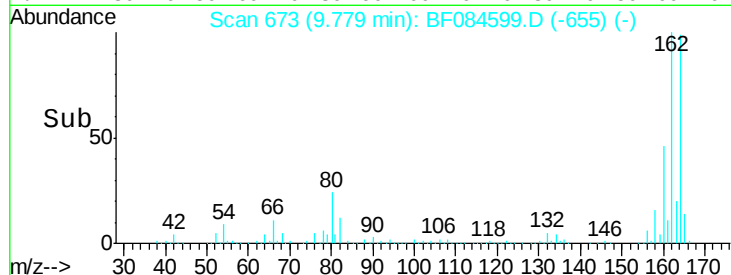
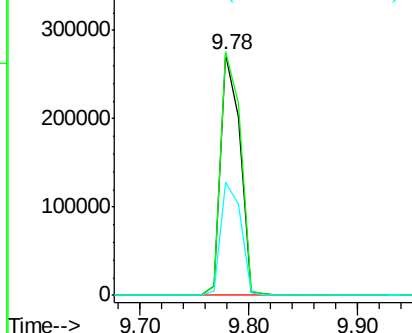
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.78 min Scan# 673
 Delta R.T. -0.09 min
 Lab File: BF084599.D
 Acq: 22 Jan 2016 19:46

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Tgt Ion:164 Resp: 337415
 Ion Ratio Lower Upper
 164 100
 162 101.1 85.1 127.7
 160 46.8 37.5 56.3

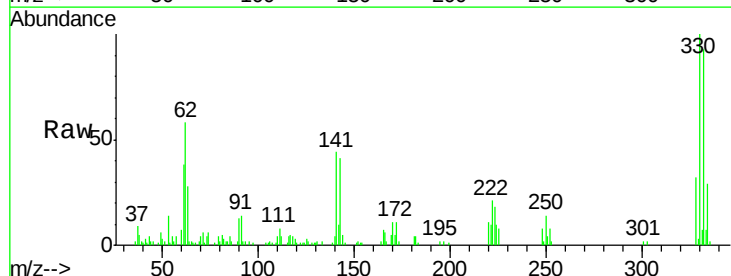


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

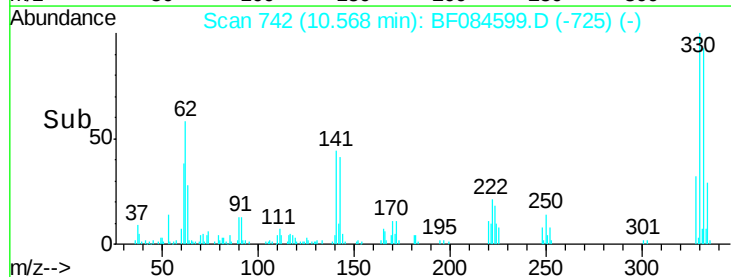
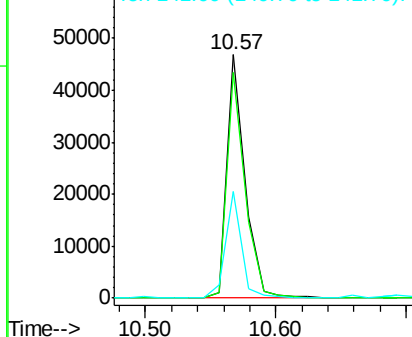


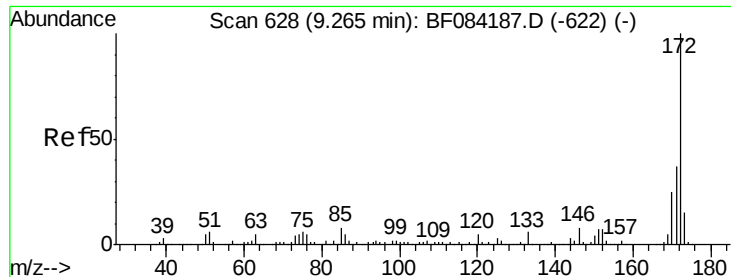
#41
 2,4,6-Tribromophenol
 Concen: 13.29 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.10 min
 Lab File: BF084599.D
 Acq: 22 Jan 2016 19:46

Tgt Ion:330 Resp: 45285
 Ion Ratio Lower Upper
 330 100
 332 93.0 76.6 114.8
 141 39.3 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

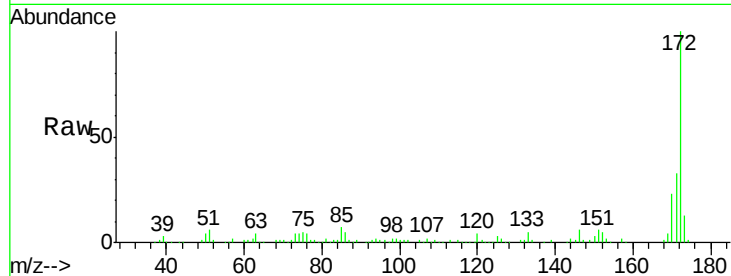




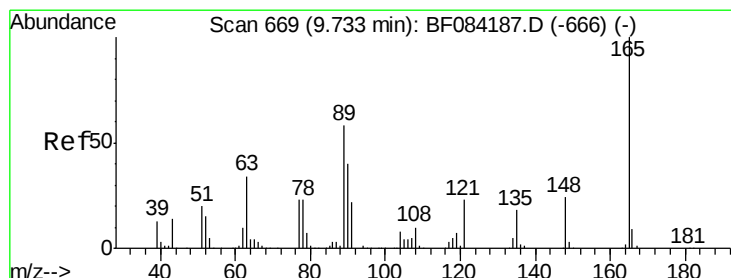
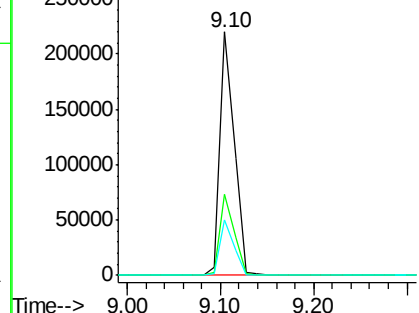
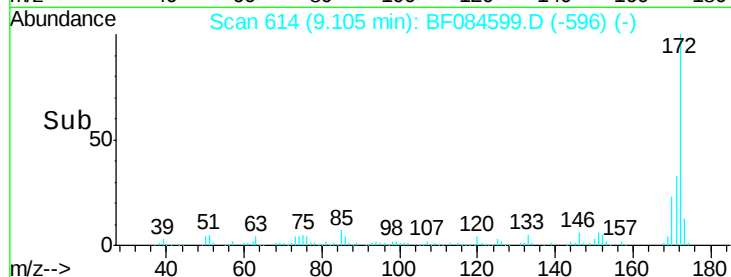
#44
 2-Fluorobiphenyl
 Concen: 6.29 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.09 min
 Lab File: BF084599.D
 Acq: 22 Jan 2016 19:46

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Tgt Ion:172 Resp: 232991
 Ion Ratio Lower Upper
 172 100
 171 33.5 28.9 43.3
 170 22.7 18.6 27.8

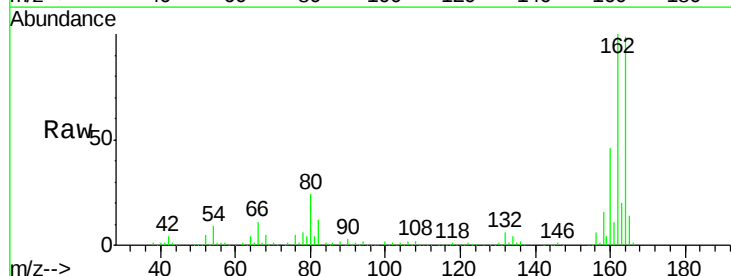


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

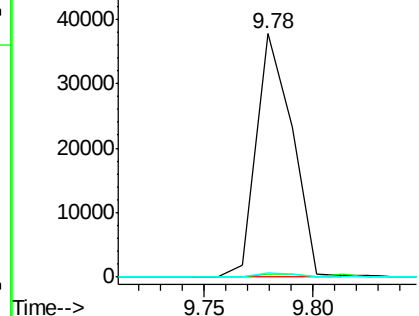
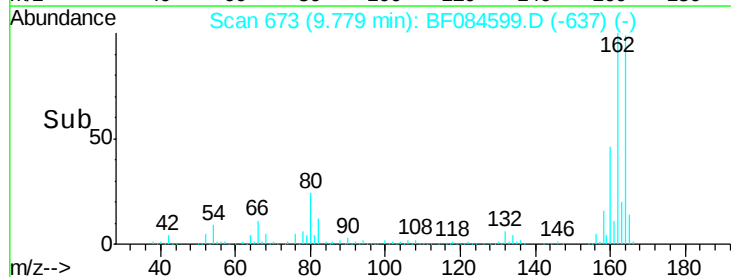


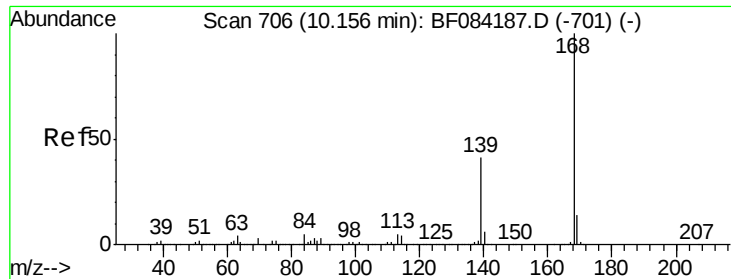
#50
 2,6-Dinitrotoluene
 Concen: 8.26 ng
 RT: 9.78 min Scan# 673
 Delta R.T. 0.11 min
 Lab File: BF084599.D
 Acq: 22 Jan 2016 19:46

Tgt Ion:165 Resp: 43706
 Ion Ratio Lower Upper
 165 100
 63 1.1 28.8 43.2#
 89 1.5 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

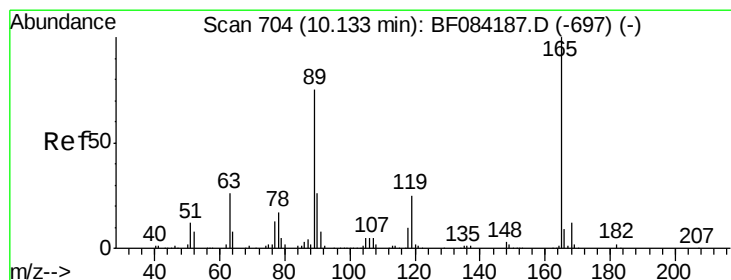
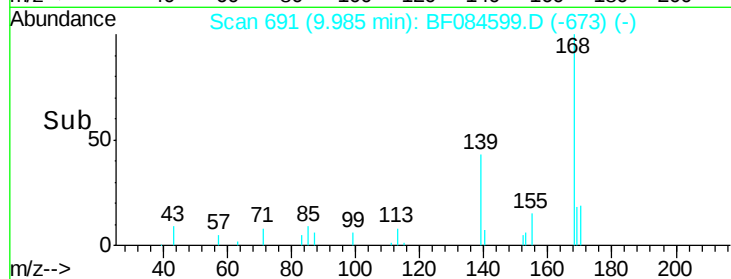
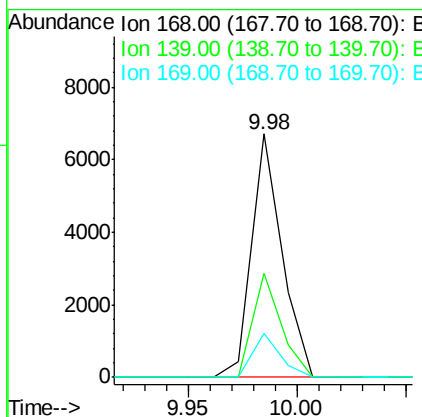
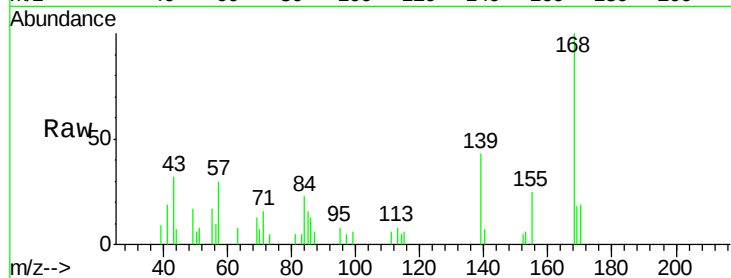




#54
Dibenzofuran
Concen: Below Cal
RT: 9.98 min Scan# 691
Delta R.T. -0.09 min
Lab File: BF084599.D
Acq: 22 Jan 2016 19:46

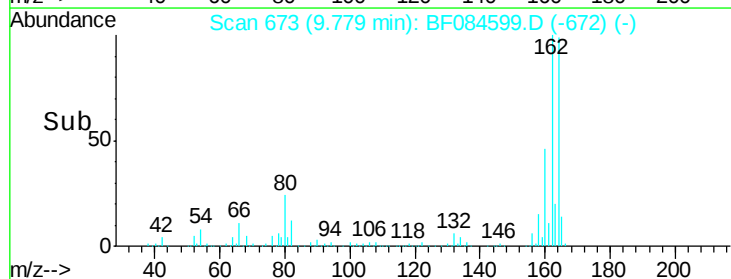
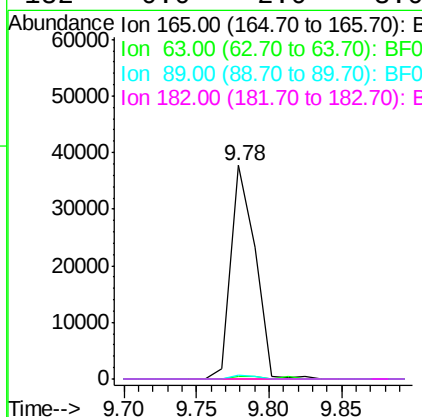
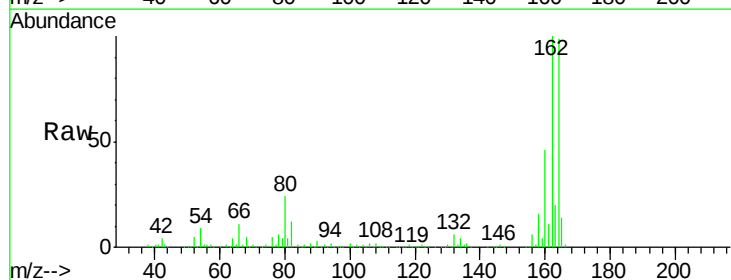
Instrument :
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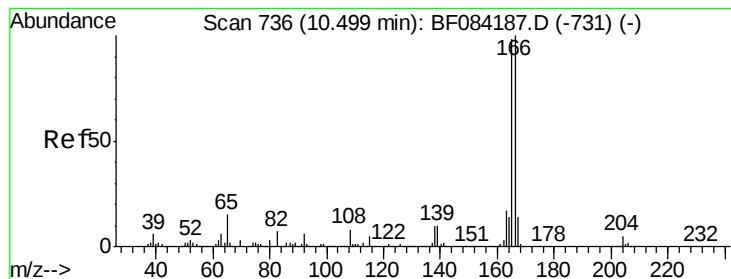
Tgt Ion:168 Resp: 6493
Ion Ratio Lower Upper
168 100
139 43.0 30.5 45.7
169 17.9 10.4 15.6#



#56
2,4-Dinitrotoluene
Concen: 6.56 ng
RT: 9.78 min Scan# 673
Delta R.T. -0.29 min
Lab File: BF084599.D
Acq: 22 Jan 2016 19:46

Tgt Ion:165 Resp: 43942
Ion Ratio Lower Upper
165 100
63 1.1 36.7 55.1#
89 1.5 61.9 92.9#
182 0.0 2.0 3.0#





#57

Fluorene

Concen: Below Cal

RT: 10.33 min Scan# 721

Delta R.T. -0.09 min

Lab File: BF084599.D

Acq: 22 Jan 2016 19:46

Instrument :

BNA_F

ClientSampleId :

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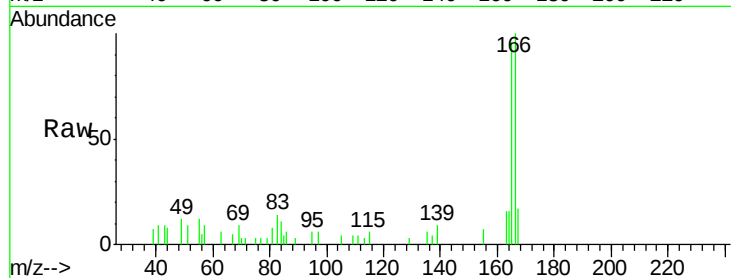
Tgt Ion:166 Resp: 10021

Ion Ratio Lower Upper

166 100

165 96.1 79.1 118.7

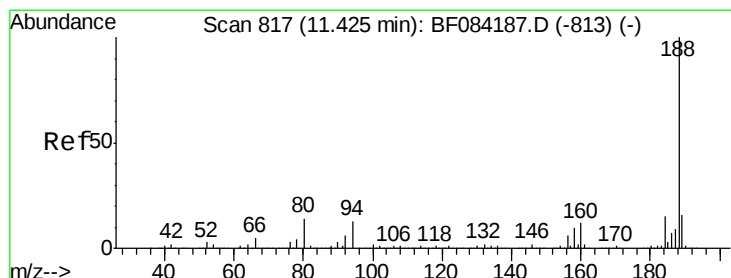
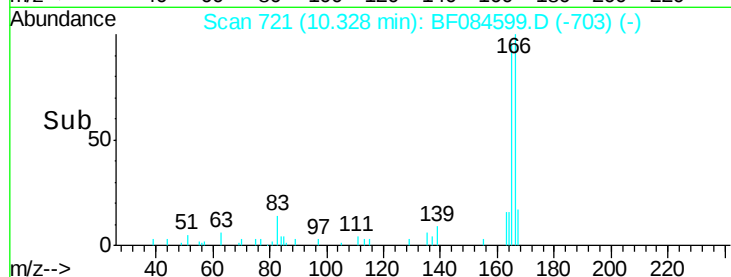
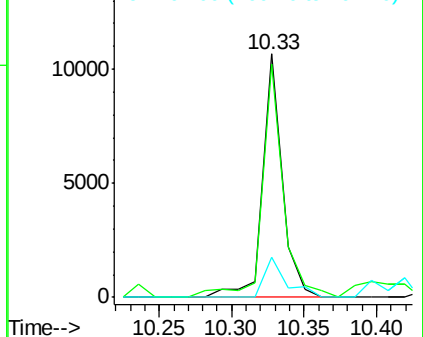
167 16.6 10.4 15.6#



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: 11.26 min Scan# 803

Delta R.T. -0.09 min

Lab File: BF084599.D

Acq: 22 Jan 2016 19:46

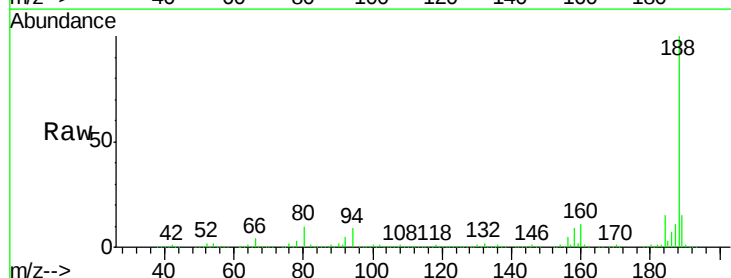
Tgt Ion:188 Resp: 606304

Ion Ratio Lower Upper

188 100

94 9.5 9.0 13.4

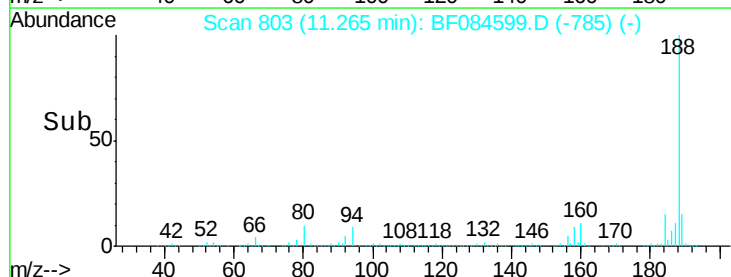
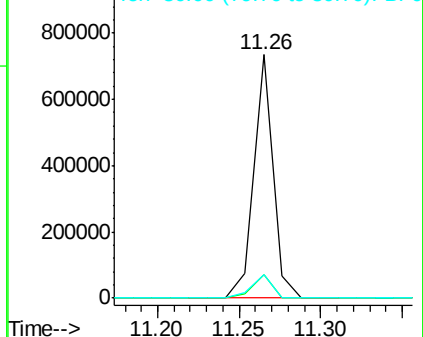
80 9.7 9.6 14.4

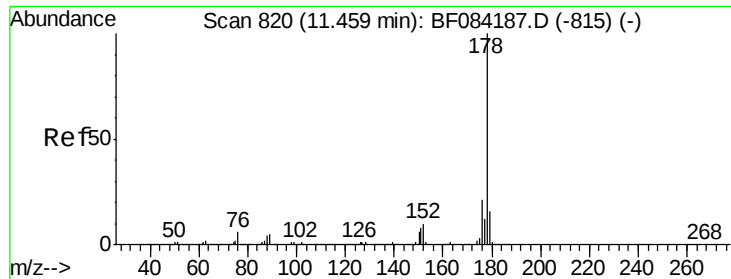


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

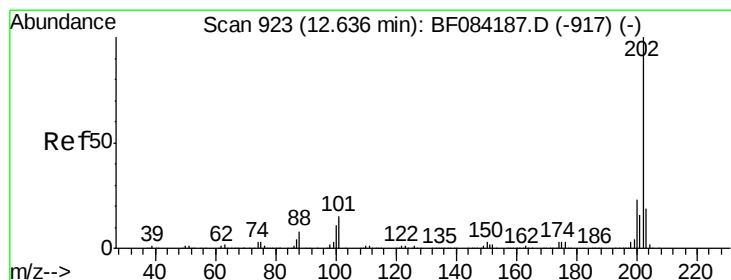
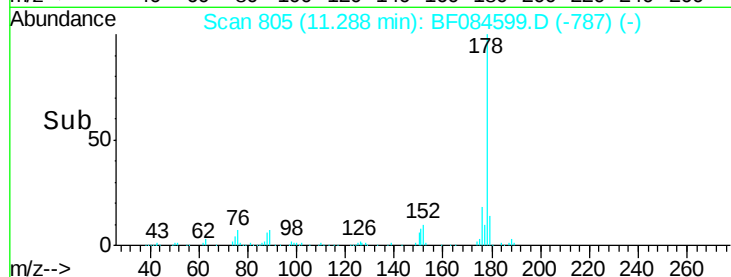
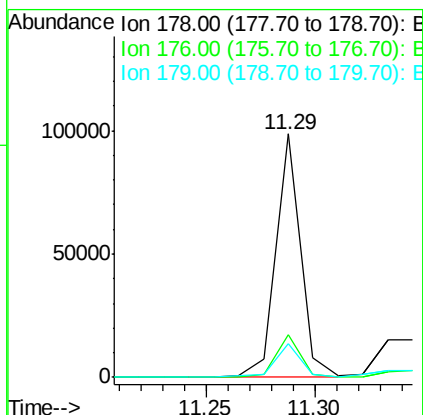
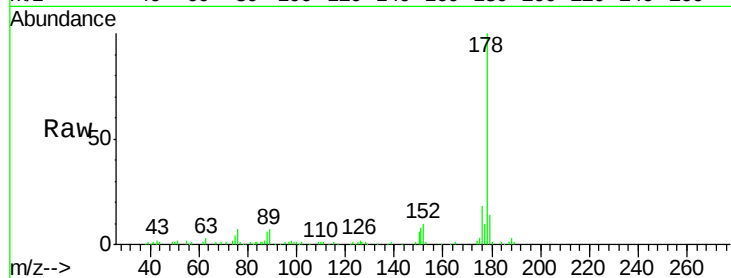




#70
Phenanthrene
Concen: 2.49 ng
RT: 11.29 min Scan# 805
Delta R.T. -0.09 min
Lab File: BF084599.D
Acq: 22 Jan 2016 19:46

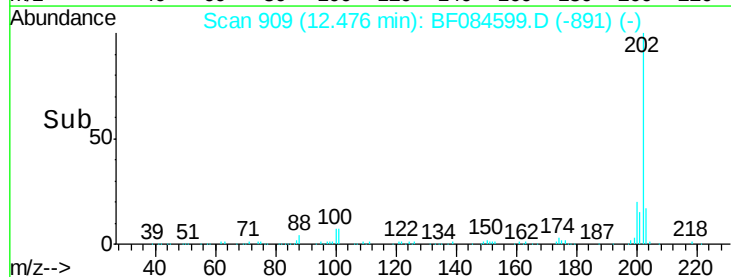
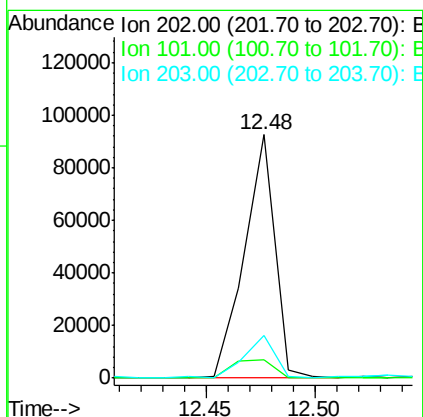
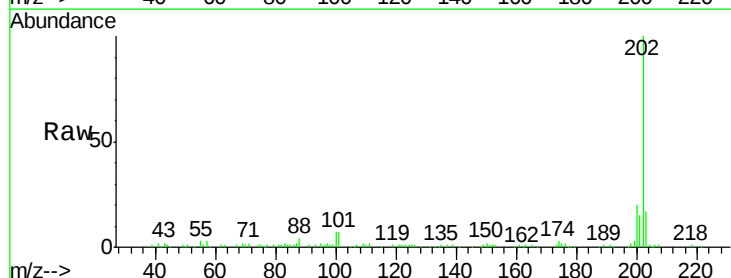
Instrument :
BNA_F
ClientSampleId :
S-2

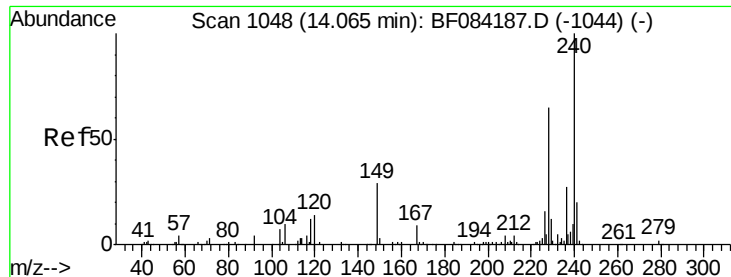
Tgt Ion:178 Resp: 78907
Ion Ratio Lower Upper
178 100
176 17.7 15.3 22.9
179 13.8 12.0 18.0



#74
Fluoranthene
Concen: 2.72 ng
RT: 12.48 min Scan# 909
Delta R.T. -0.09 min
Lab File: BF084599.D
Acq: 22 Jan 2016 19:46

Tgt Ion:202 Resp: 90222
Ion Ratio Lower Upper
202 100
101 7.3 0.0 32.8
203 17.4 0.0 37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.10 min

Lab File: BF084599.D

Acq: 22 Jan 2016 19:46

Instrument :

BNA_F

ClientSampled :

S-2

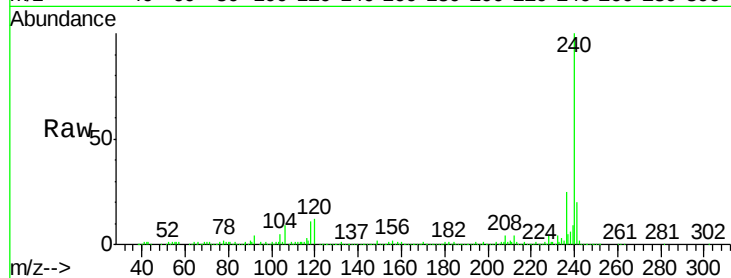
Tgt Ion:240 Resp: 406911

Ion Ratio Lower Upper

240 100

120 11.7 9.5 14.3

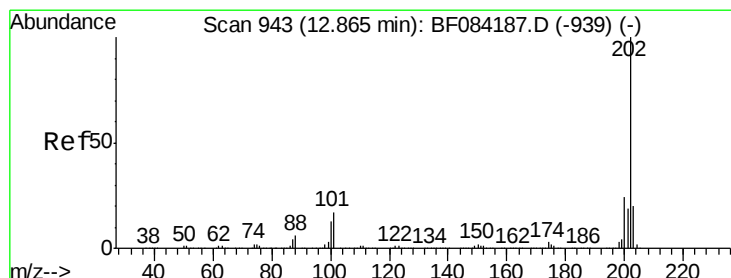
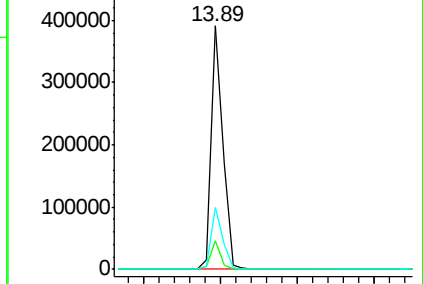
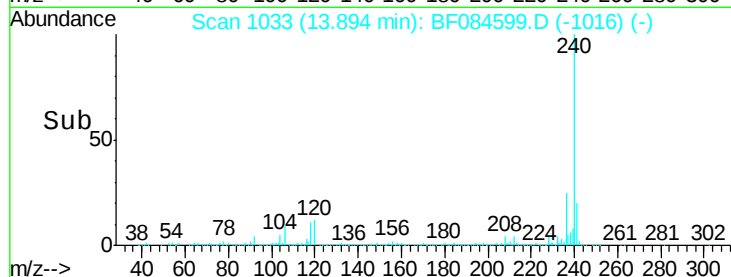
236 25.4 20.6 31.0



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: 2.58 ng

RT: 12.70 min Scan# 929

Delta R.T. -0.09 min

Lab File: BF084599.D

Acq: 22 Jan 2016 19:46

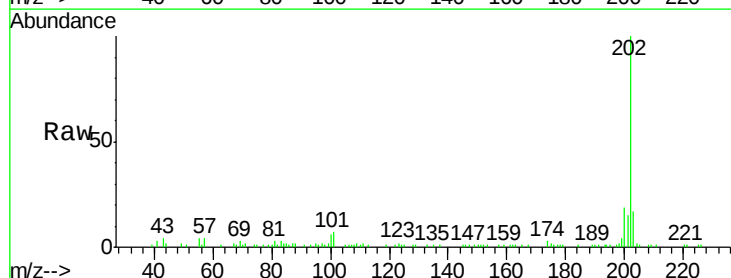
Tgt Ion:202 Resp: 82259

Ion Ratio Lower Upper

202 100

200 19.0 17.2 25.8

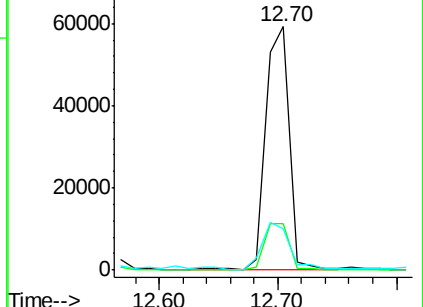
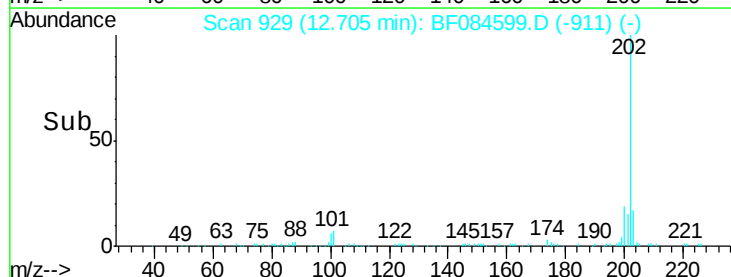
203 17.0 14.3 21.5

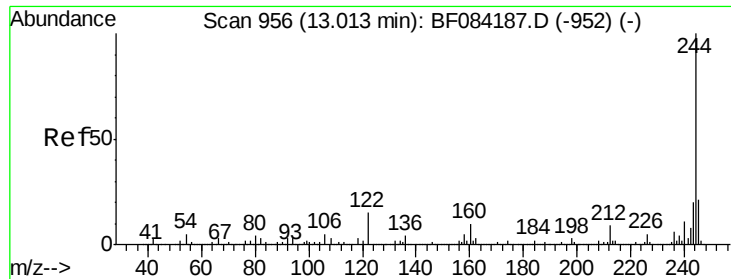


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

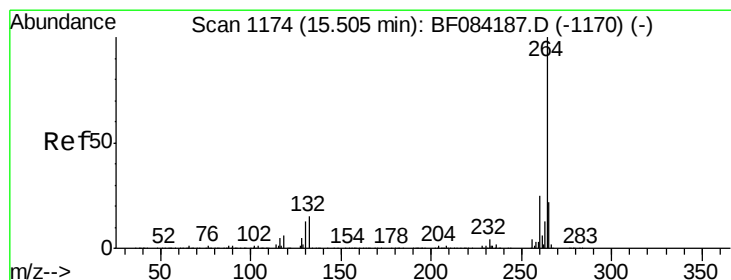
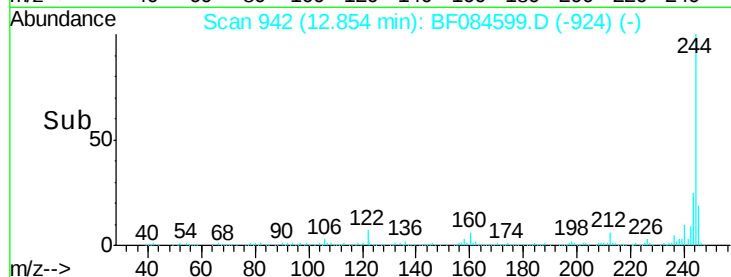
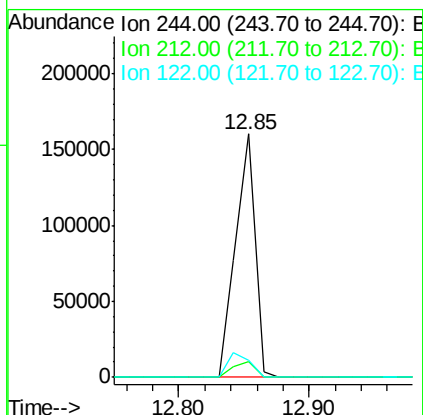
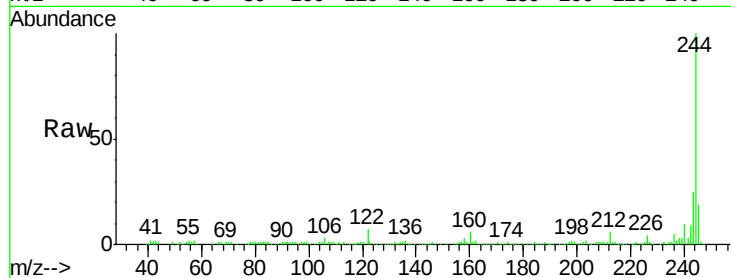




#78
 Terphenyl-d14
 Concen: 9.16 ng
 RT: 12.85 min Scan# 942
 Delta R.T. -0.09 min
 Lab File: BF084599.D
 Acq: 22 Jan 2016 19:46

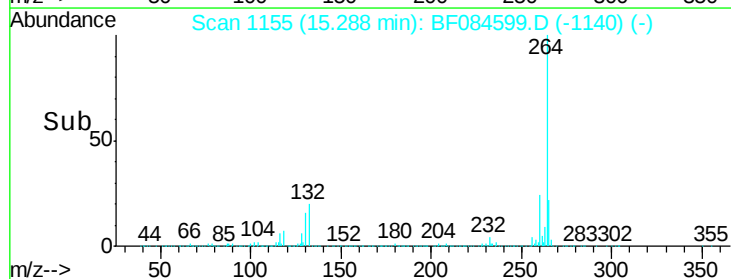
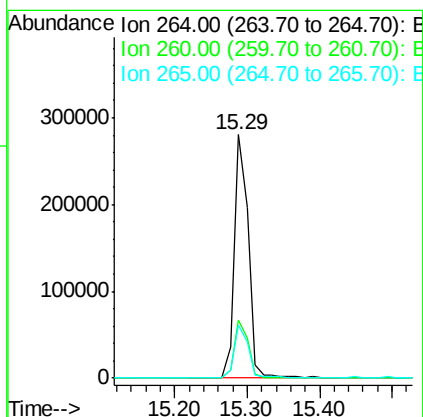
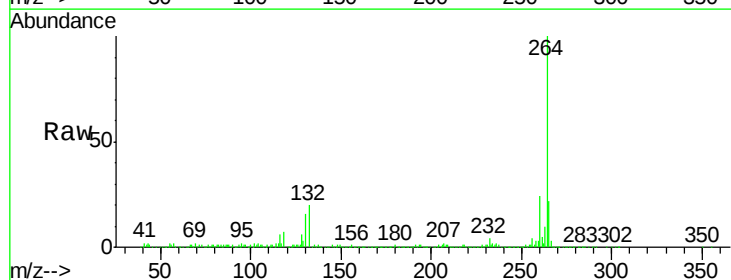
Instrument :
 BNA_F
 ClientSampleId :
 S-2

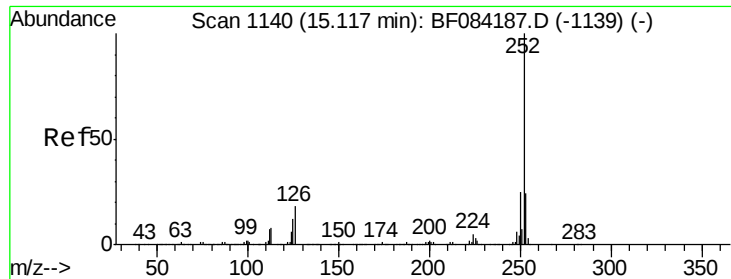
Tgt Ion:244 Resp: 166939
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.7 8.5
 122 6.8 7.4 11.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.29 min Scan# 1155
 Delta R.T. -0.13 min
 Lab File: BF084599.D
 Acq: 22 Jan 2016 19:46

Tgt Ion:264 Resp: 374965
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.4 29.2
 265 21.8 17.8 26.6





#88

Benzo(k)fluoranthene

Concen: 2.38 ng

RT: 14.90 min Scan# 1121

Delta R.T. -0.14 min

Lab File: BF084599.D

Acq: 22 Jan 2016 19:46

Instrument :

BNA_F

ClientSampleId :

S-2

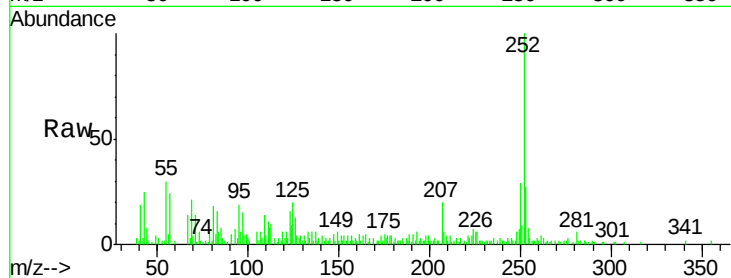
Tgt Ion: 252 Resp: 47760

Ion Ratio Lower Upper

252 100

253 27.2 18.1 27.1#

125 19.7 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

