

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011216\
 Data File : BF084415.D
 Acq On : 12 Jan 2016 17:36
 Operator : SJ/UM
 Sample : H1060-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PURGE-WATER-DRUM

Quant Time: Jan 13 00:34:38 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	271885	20.00	ng	-0.06
21) Naphthalene-d8	8.13	136	1049935	20.00	ng	-0.06
38) Acenaphthene-d10	9.88	164	502496	20.00	ng	-0.07
63) Phenanthrene-d10	11.37	188	899522	20.00	ng	-0.06
75) Chrysene-d12	14.00	240	574999	20.00	ng	-0.07
86) Perylene-d12	15.43	264	460493	20.00	ng	-0.08

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	1123665	66.85	ng	-0.04
7) Phenol-d6	6.48	99	857181	40.60	ng	-0.06
23) Nitrobenzene-d5	7.41	82	1821001	96.53	ng	-0.06
41) 2,4,6-Tribromophenol	10.67	330	623487	122.90	ng	-0.07
44) 2-Fluorobiphenyl	9.21	172	2485732	87.18	ng	-0.06
78) Terphenyl-d14	12.96	244	2074804	80.55	ng	-0.06

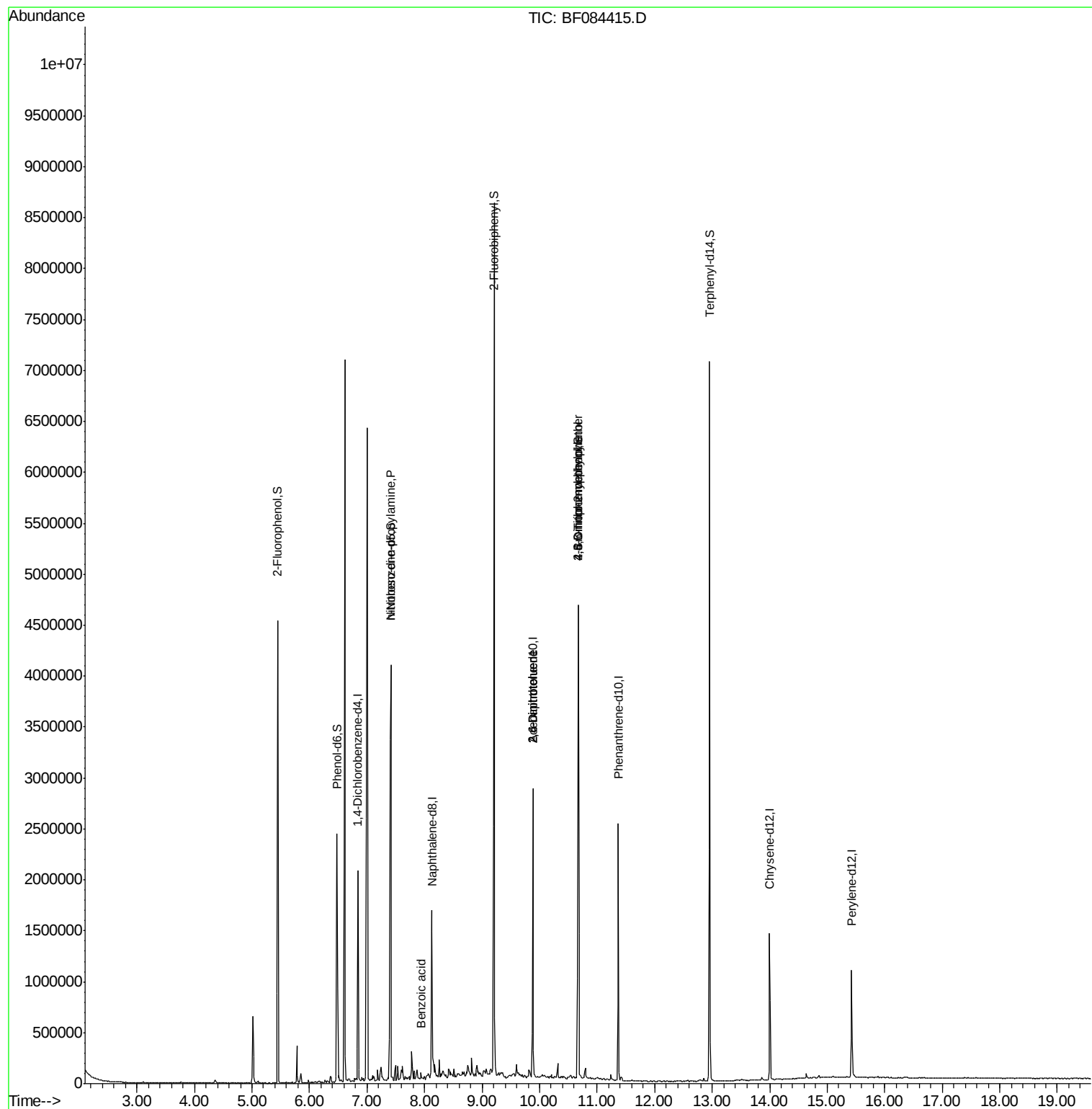
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	251215	17.58	ng	# 76
32) Benzoic acid	7.94	122	1717	6.38	ng	# 1
50) 2,6-Dinitrotoluene	9.88	165	65851	8.36	ng	# 38
54) Dibenzofuran	10.09	168	1079	Below Cal		# 75
56) 2,4-Dinitrotoluene	9.88	165	66052	6.62	ng	# 21
57) Fluorene	10.43	166	1786	Below Cal		# 93
64) 4,6-Dinitro-2-methylphenol	10.67	198	1367	6.61	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	35580	3.67	ng	# 1
73) Di-n-butylphthalate	11.93	149	2404	Below Cal		# 79

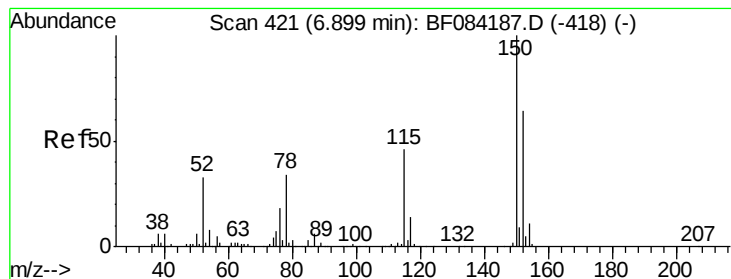
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.06 min

Lab File: BF084415.D

Acq: 12 Jan 2016 17:36

Instrument :

BNA_F

ClientSampleId :

PURGE-WATER-DRUM

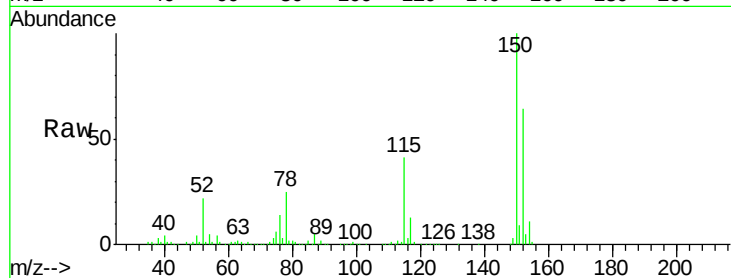
Tgt Ion:152 Resp: 271885

Ion Ratio Lower Upper

152 100

150 155.8 123.0 184.4

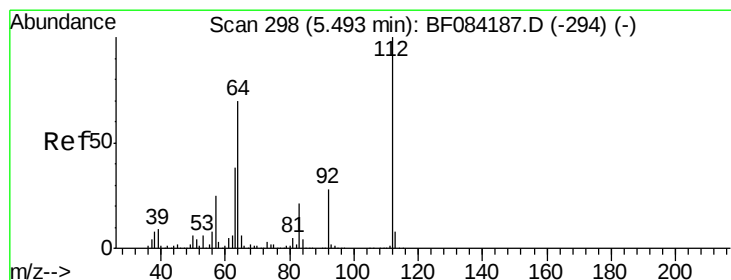
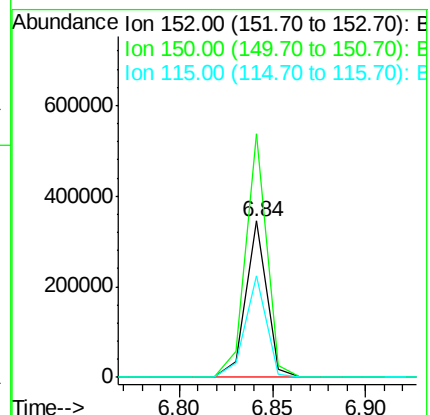
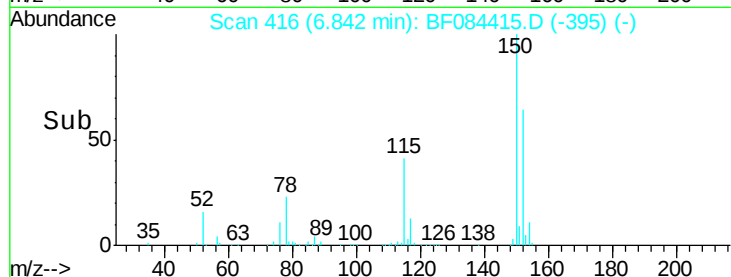
115 64.6 51.4 77.2



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: 66.85 ng

RT: 5.45 min Scan# 294

Delta R.T. -0.04 min

Lab File: BF084415.D

Acq: 12 Jan 2016 17:36

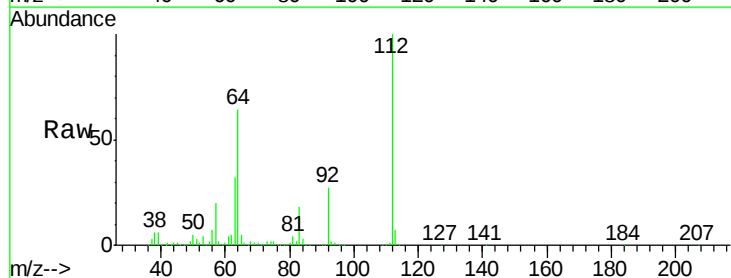
Tgt Ion:112 Resp: 1123665

Ion Ratio Lower Upper

112 100

64 63.9 36.6 55.0#

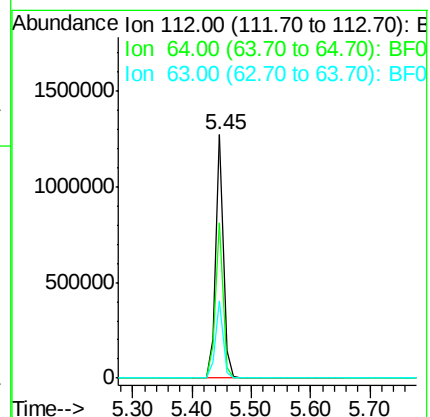
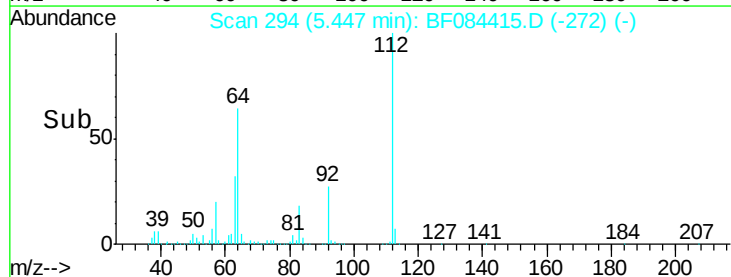
63 31.6 19.4 29.0#

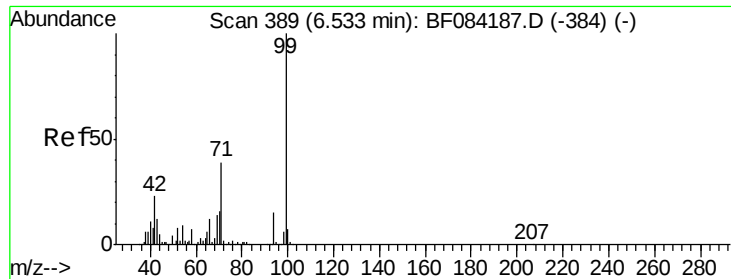


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 40.60 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.06 min

Lab File: BF084415.D

Acq: 12 Jan 2016 17:36

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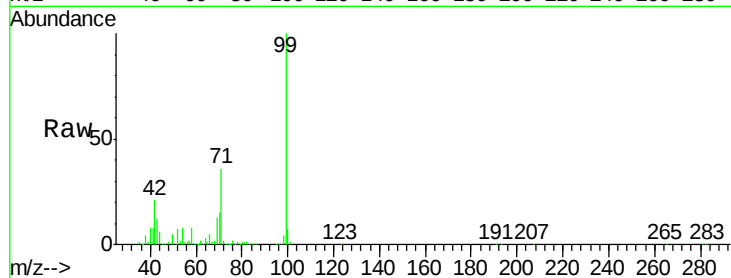
Tgt Ion: 99 Resp: 857181

Ion Ratio Lower Upper

99 100

42 21.3 12.8 19.2#

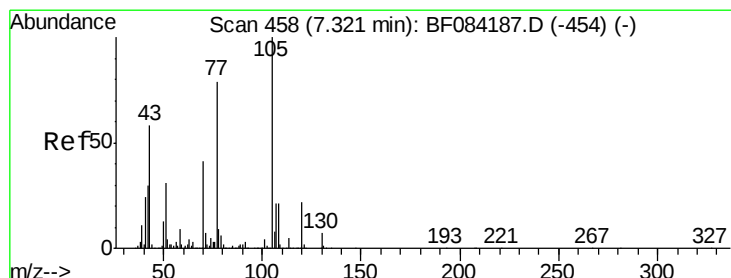
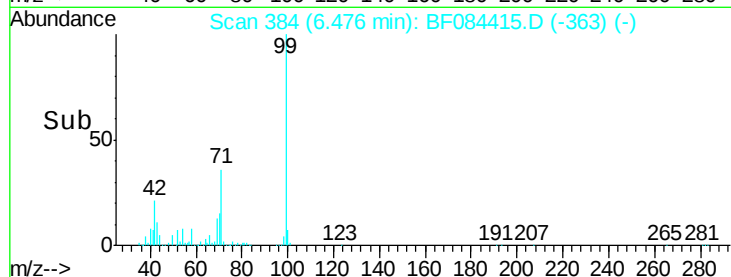
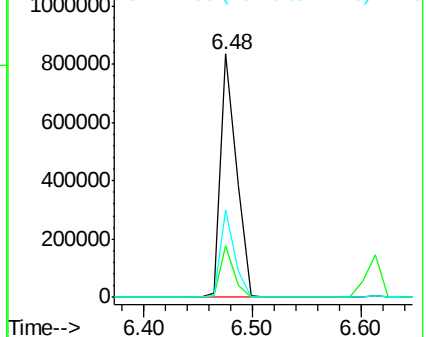
71 35.8 30.9 46.3



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: 17.58 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.09 min

Lab File: BF084415.D

Acq: 12 Jan 2016 17:36

Tgt Ion: 70 Resp: 251215

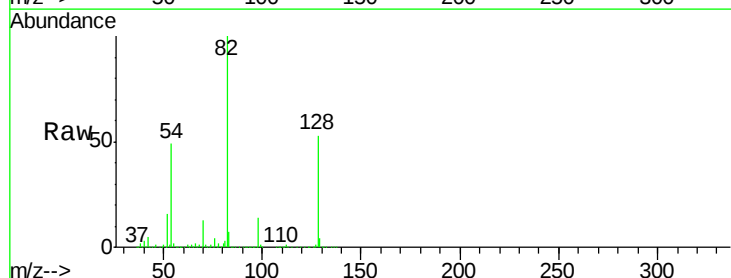
Ion Ratio Lower Upper

70 100

42 39.6 33.3 49.9

101 0.0 9.3 13.9#

130 2.4 23.4 35.0#

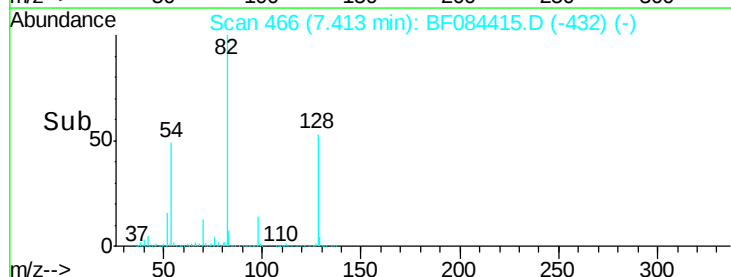
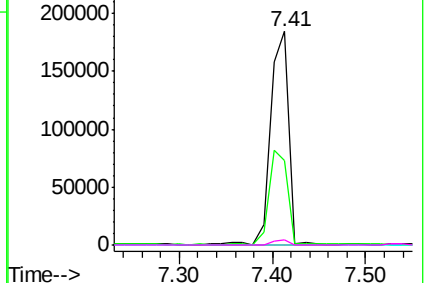


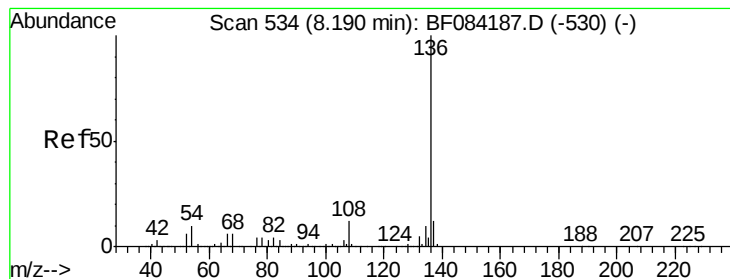
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.13 min Scan# 529

Delta R.T. -0.06 min

Lab File: BF084415.D

Acq: 12 Jan 2016 17:36

Instrument :

BNA_F

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PURGE-WATER-DRUM

Tgt Ion:136 Resp: 1049935

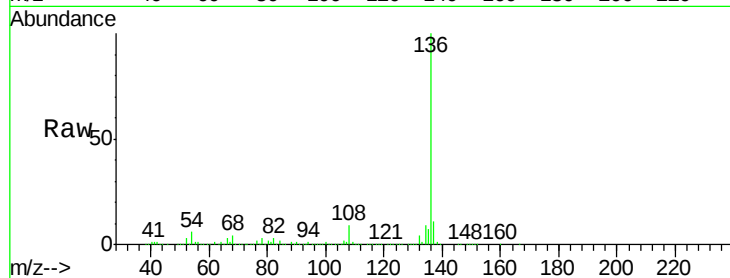
Ion Ratio Lower Upper

136 100

137 10.5 8.7 13.1

54 5.9 5.8 8.8

68 4.2 4.2 6.2

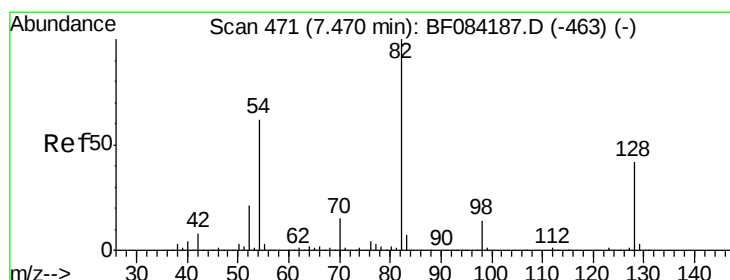
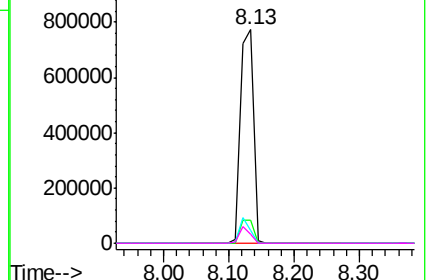
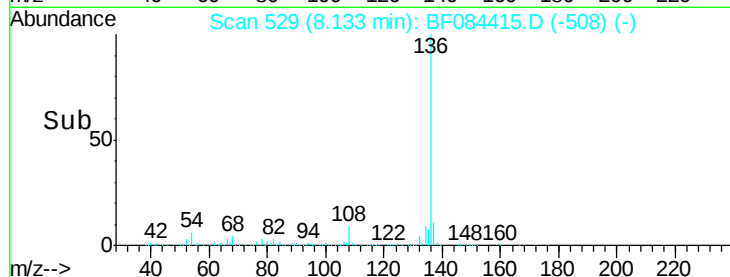


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 96.53 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.06 min

Lab File: BF084415.D

Acq: 12 Jan 2016 17:36

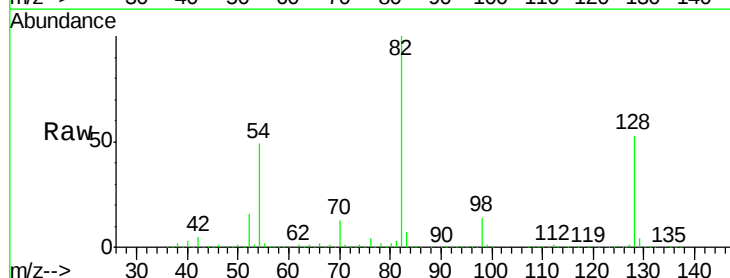
Tgt Ion: 82 Resp: 1821001

Ion Ratio Lower Upper

82 100

128 53.0 34.6 51.8#

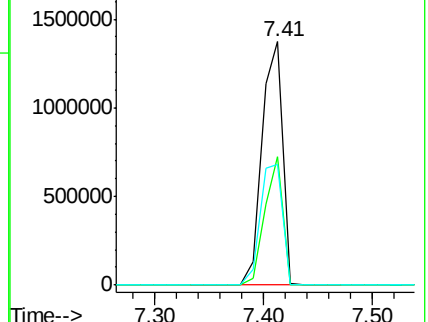
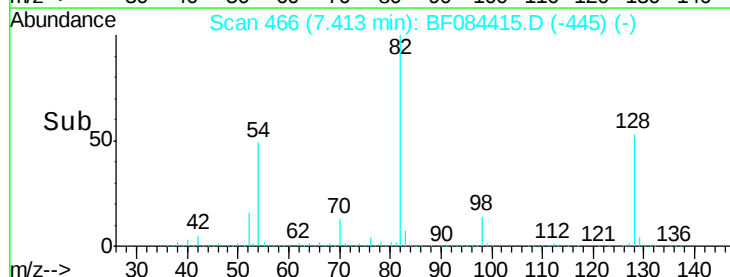
54 49.4 38.4 57.6



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





#32

Benzoic acid

Concen: 6.38 ng

RT: 7.94 min Scan# 512

Delta R.T. -0.02 min

Lab File: BF084415.D

Acq: 12 Jan 2016 17:36

Instrument :

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PURGE-WATER-DRUM

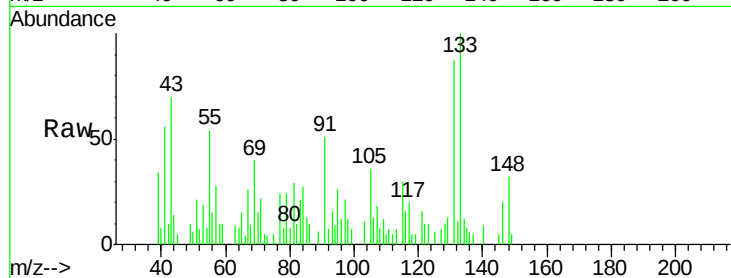
Tgt Ion:122 Resp: 1717

Ion Ratio Lower Upper

122 100

105 355.3 100.3 140.3#

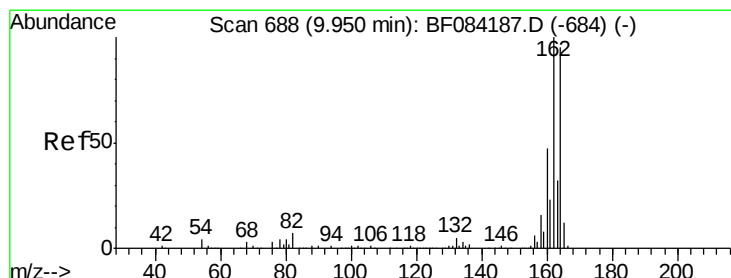
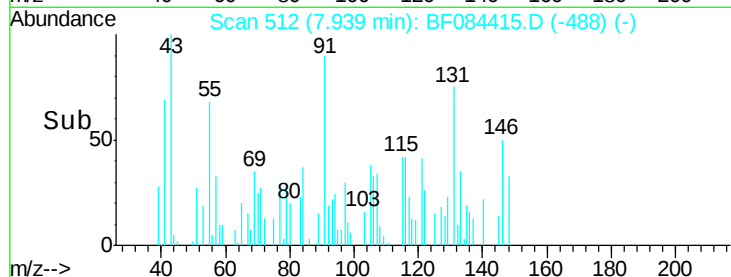
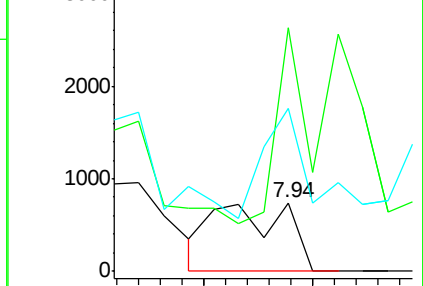
77 238.4 63.5 103.5#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.07 min

Lab File: BF084415.D

Acq: 12 Jan 2016 17:36

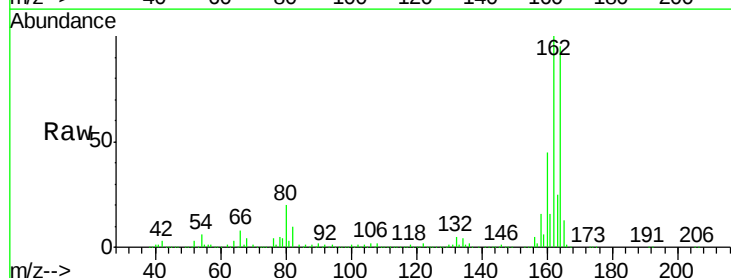
Tgt Ion:164 Resp: 502496

Ion Ratio Lower Upper

164 100

162 104.8 85.1 127.7

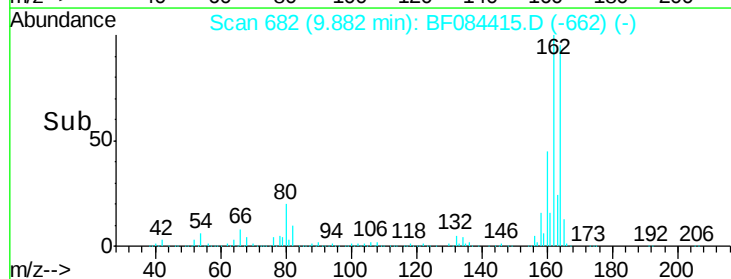
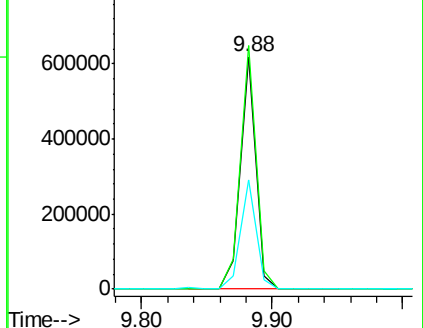
160 47.1 37.5 56.3



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

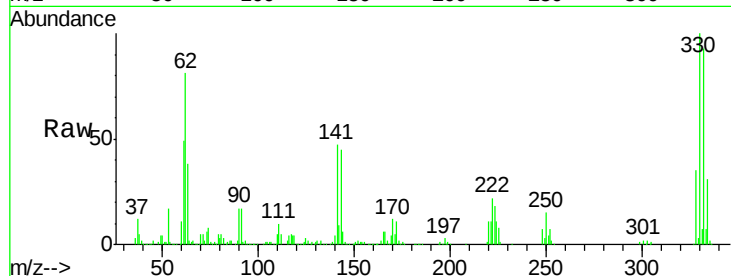




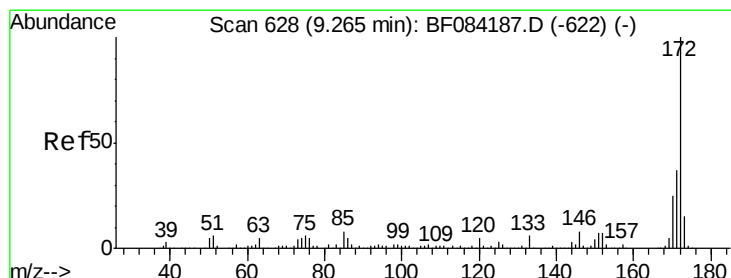
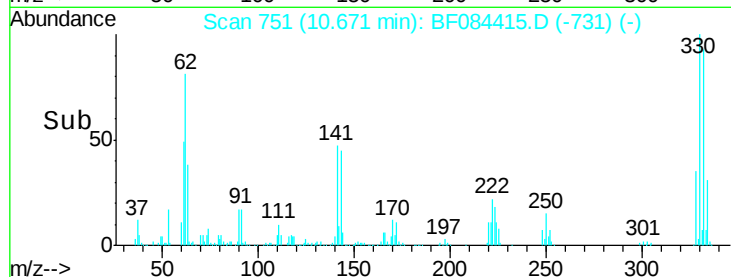
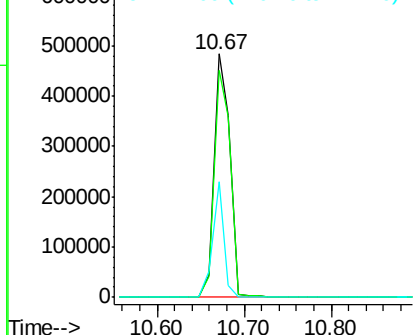
#41
 2,4,6-Tribromophenol
 Concen: 122.90 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.07 min
 Lab File: BF084415.D
 Acq: 12 Jan 2016 17:36

Instrument :
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 PURGE-WATER-DRUM

Tgt Ion:330 Resp: 623487
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.6 114.8
 141 34.7 27.8 41.6

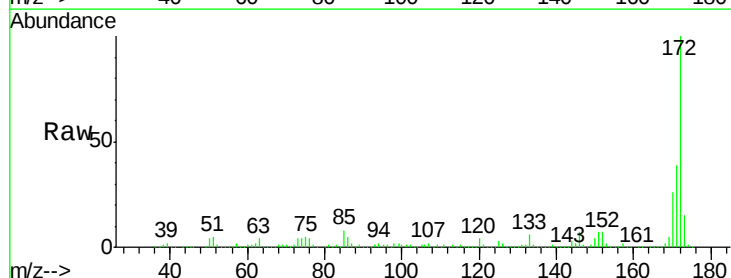


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

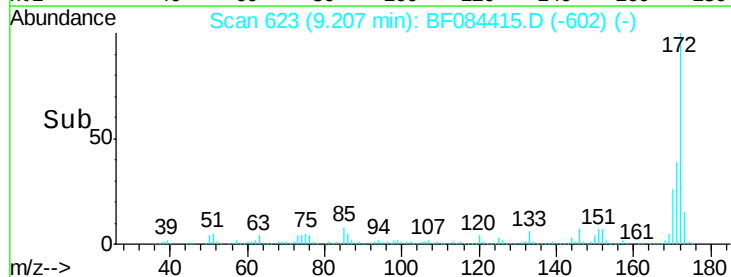
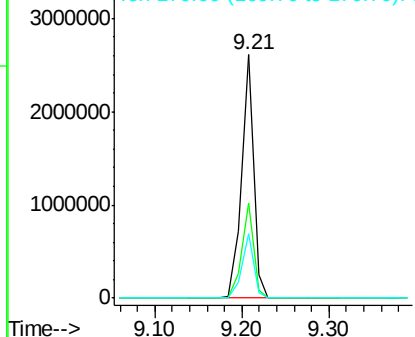


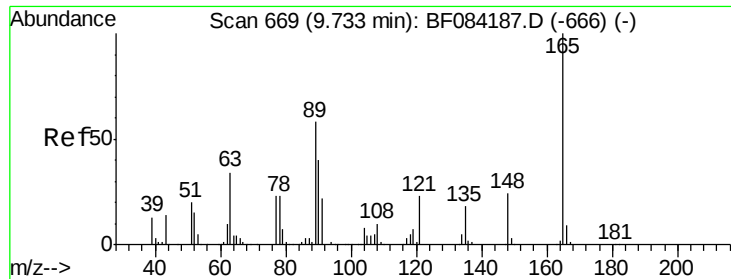
#44
 2-Fluorobiphenyl
 Concen: 87.18 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.06 min
 Lab File: BF084415.D
 Acq: 12 Jan 2016 17:36

Tgt Ion:172 Resp: 2485732
 Ion Ratio Lower Upper
 172 100
 171 39.0 28.9 43.3
 170 26.5 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

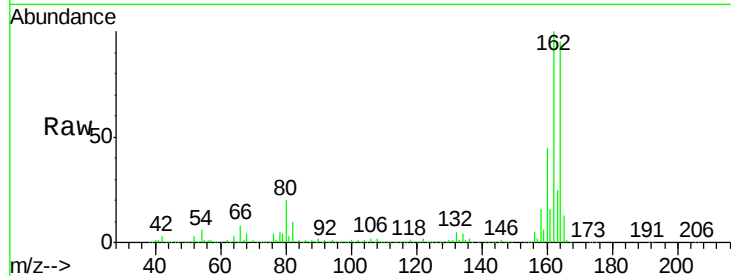




#50
 2,6-Dinitrotoluene
 Concen: 8.36 ng
 RT: 9.88 min Scan# 682
 Delta R.T. 0.15 min
 Lab File: BF084415.D
 Acq: 12 Jan 2016 17:36

Instrument :
 BNA_F
 ClientSampleId :
 PURGE-WATER-DRUM

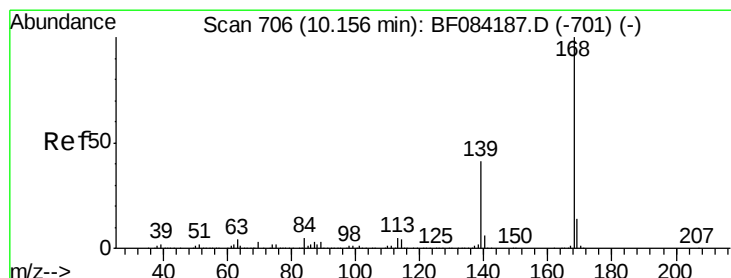
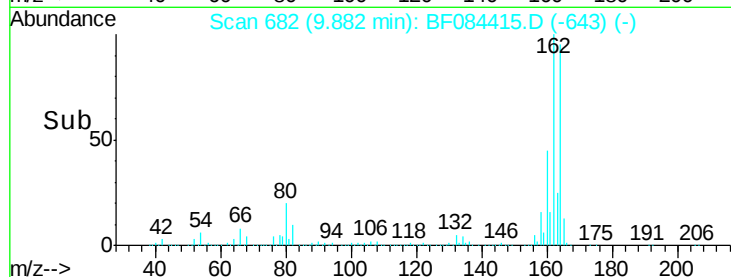
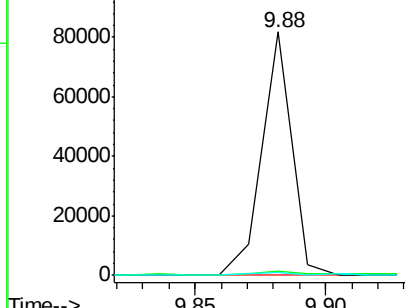
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	28.8	43.2#
89	1.4	35.1	52.7#



Abundance Ion 165.00 (164.70 to 165.70): E

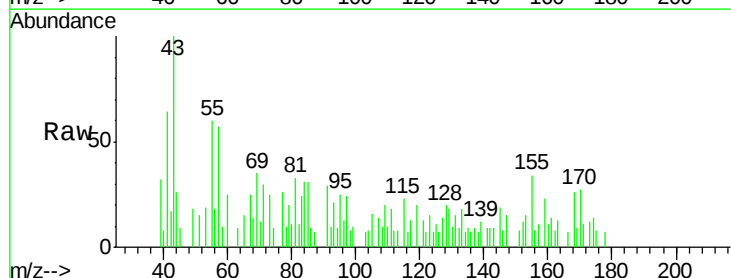
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#54
 Dibenzofuran
 Concen: Below Cal
 RT: 10.09 min Scan# 700
 Delta R.T. -0.07 min
 Lab File: BF084415.D
 Acq: 12 Jan 2016 17:36

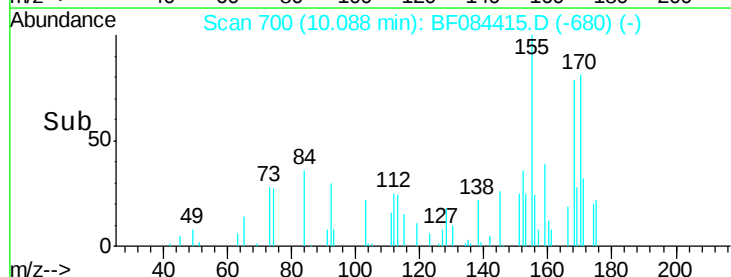
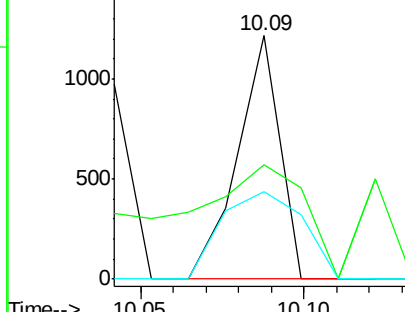
Tgt Ion	Ratio	Lower	Upper
168	100		
139	46.9	30.5	45.7#
169	35.7	10.4	15.6#

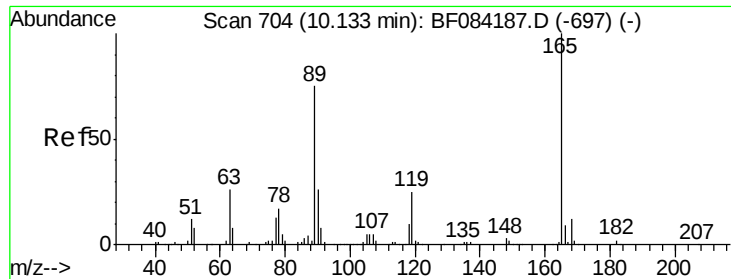


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

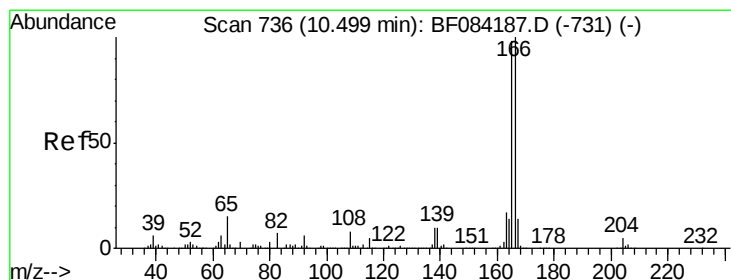
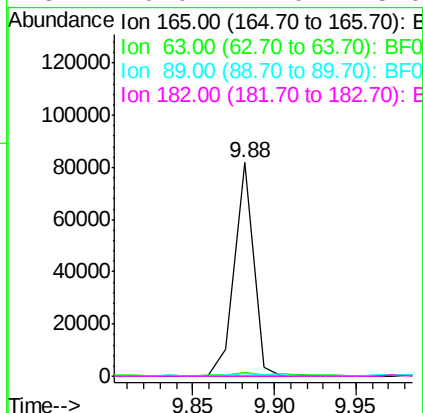
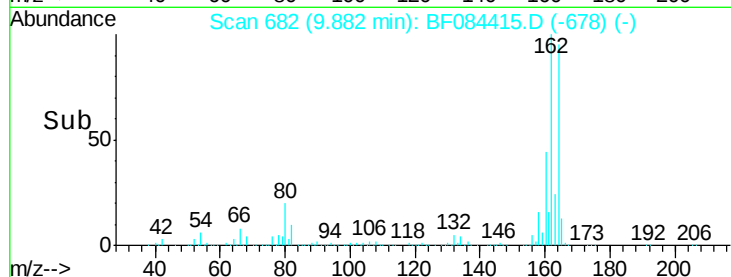
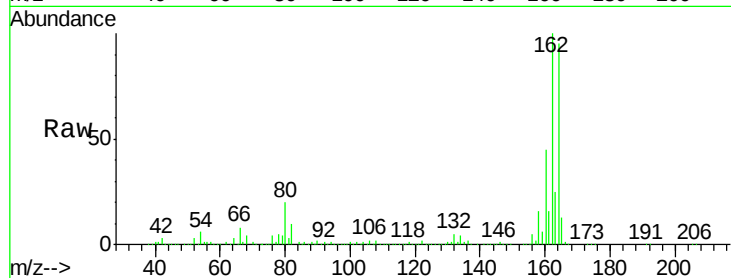




#56
2,4-Dinitrotoluene
Concen: 6.62 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.25 min
Lab File: BF084415.D
Acq: 12 Jan 2016 17:36

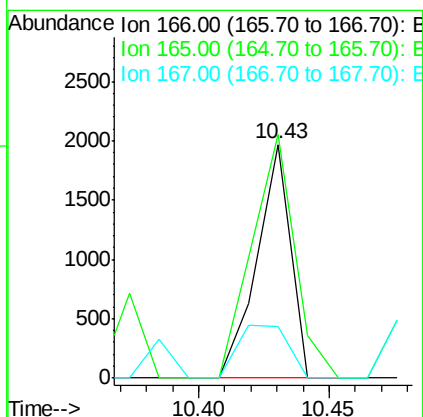
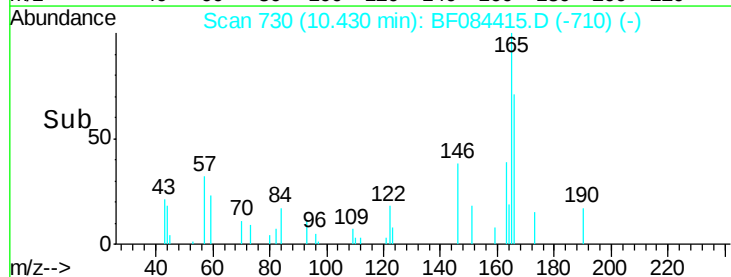
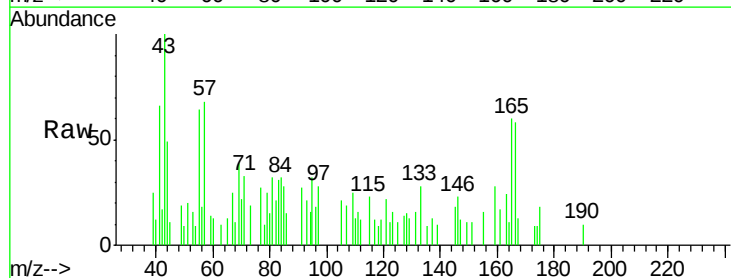
Instrument :
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ClientSampleId :
PURGE-WATER-DRUM

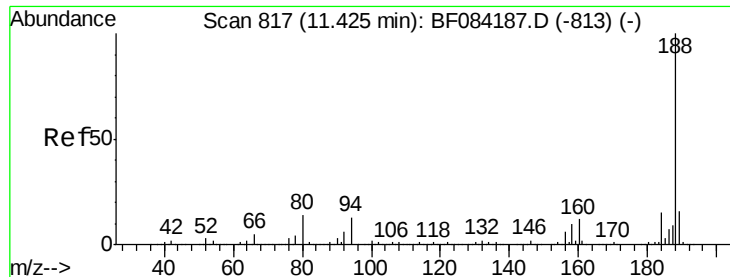
Tgt Ion:165 Resp: 66052
Ion Ratio Lower Upper
165 100
63 1.6 36.7 55.1#
89 1.4 61.9 92.9#
182 0.0 2.0 3.0#



#57
Fluorene
Concen: Below Cal
RT: 10.43 min Scan# 730
Delta R.T. -0.07 min
Lab File: BF084415.D
Acq: 12 Jan 2016 17:36

Tgt Ion:166 Resp: 1786
Ion Ratio Lower Upper
166 100
165 104.1 79.1 118.7
167 22.2 10.4 15.6#

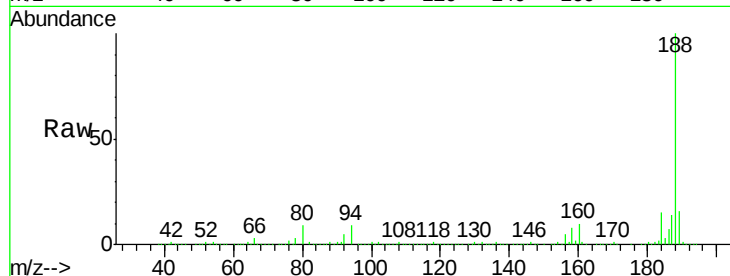




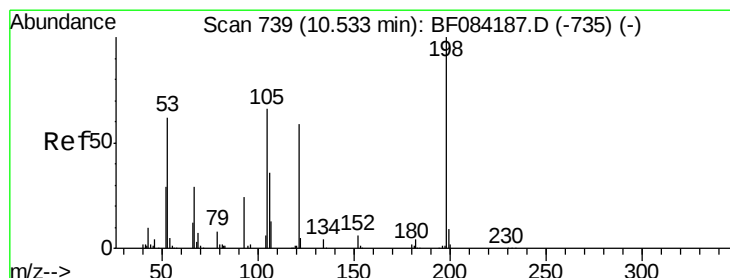
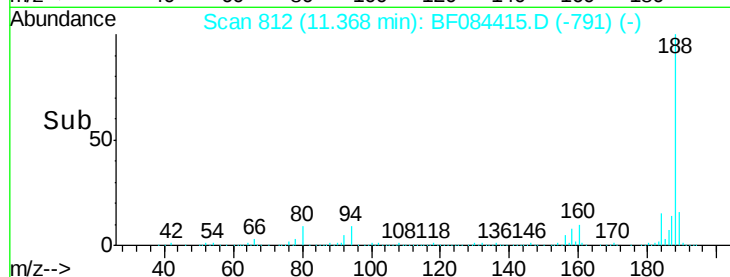
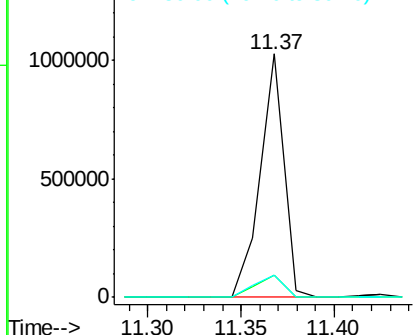
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.06 min
Lab File: BF084415.D
Acq: 12 Jan 2016 17:36

Instrument :
BNA_F
ClientSampleId :
PURGE-WATER-DRUM

Tgt Ion:188 Resp: 899522
Ion Ratio Lower Upper
188 100
94 9.0 9.0 13.4
80 9.1 9.6 14.4#

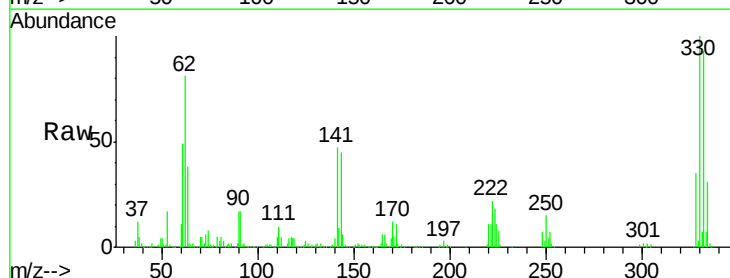


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

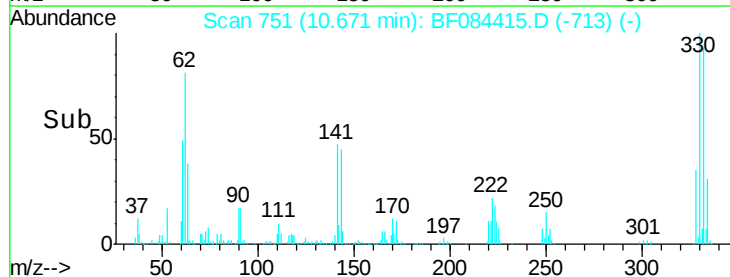
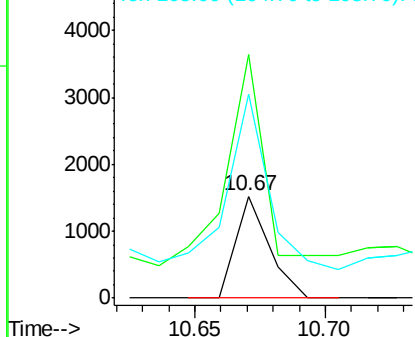


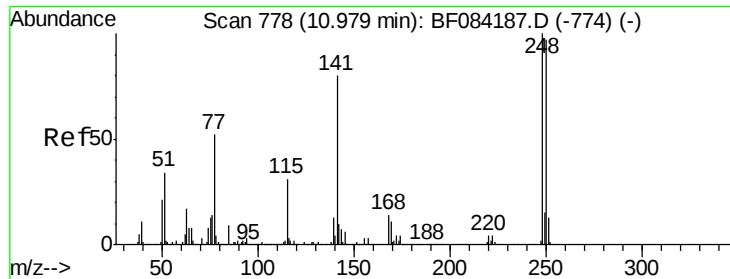
#64
4,6-Dinitro-2-methylphenol
Concen: 6.61 ng
RT: 10.67 min Scan# 751
Delta R.T. 0.14 min
Lab File: BF084415.D
Acq: 12 Jan 2016 17:36

Tgt Ion:198 Resp: 1367
Ion Ratio Lower Upper
198 100
51 238.6 18.9 58.9#
105 199.5 26.4 66.4#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

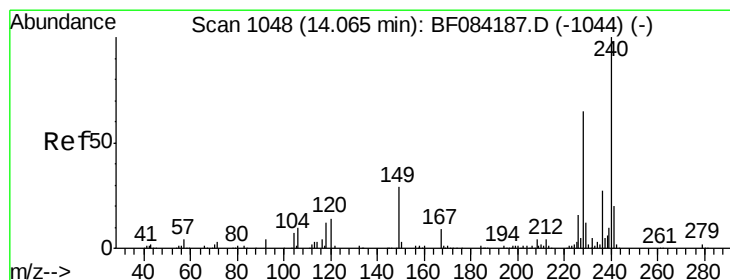
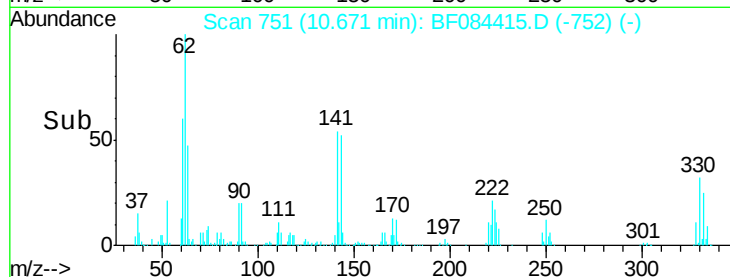
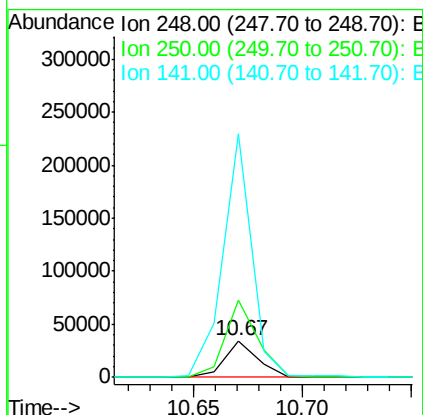
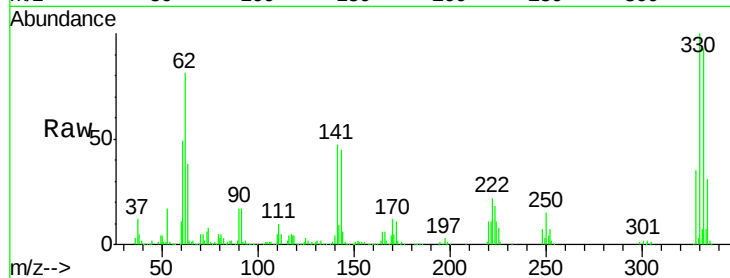




#66
4-Bromophenyl-phenylether
Concen: 3.67 ng
RT: 10.67 min Scan# 751
Delta R.T. -0.31 min
Lab File: BF084415.D
Acq: 12 Jan 2016 17:36

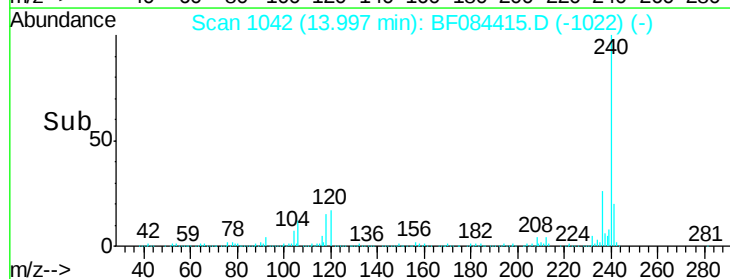
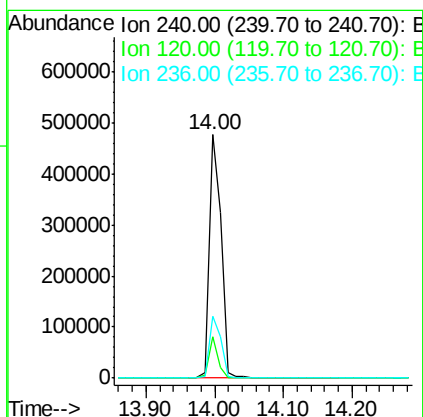
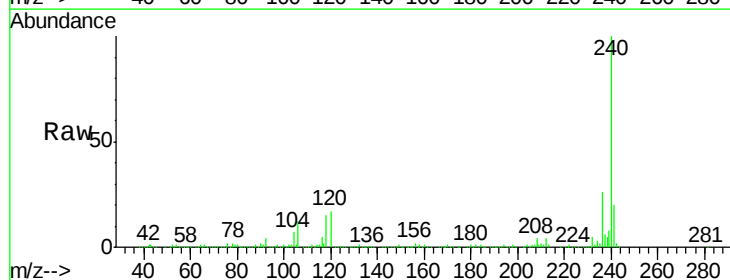
Instrument :
BNA_F
ClientSampleId :
PURGE-WATER-DRUM

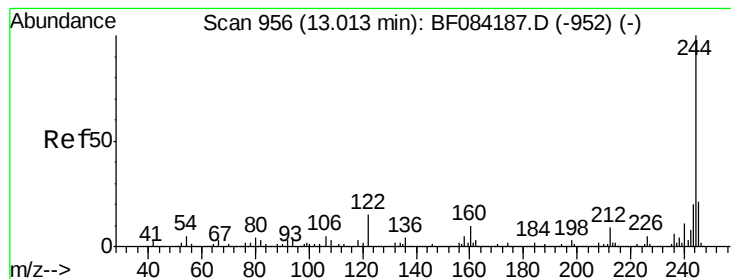
Tgt Ion:248 Resp: 35580
Ion Ratio Lower Upper
248 100
250 212.2 78.4 117.6#
141 672.2 44.0 66.0#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.07 min
Lab File: BF084415.D
Acq: 12 Jan 2016 17:36

Tgt Ion:240 Resp: 574999
Ion Ratio Lower Upper
240 100
120 17.2 9.5 14.3#
236 25.6 20.6 31.0





#78

Terphenyl-d14

Concen: 80.55 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.06 min

Lab File: BF084415.D

Acq: 12 Jan 2016 17:36

Instrument :

BNA_F

ClientSampleId :

PURGE-WATER-DRUM

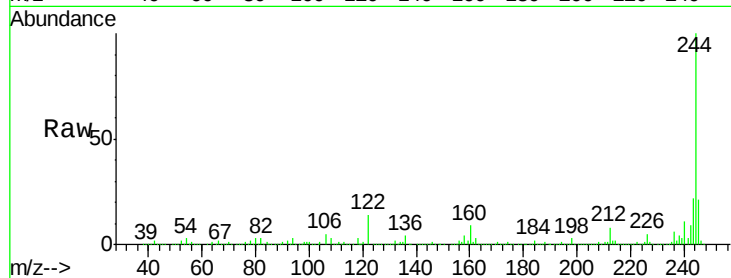
Tgt Ion:244 Resp: 2074804

Ion Ratio Lower Upper

244 100

212 8.0 5.7 8.5

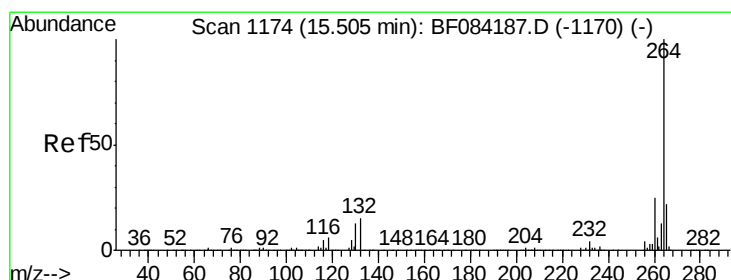
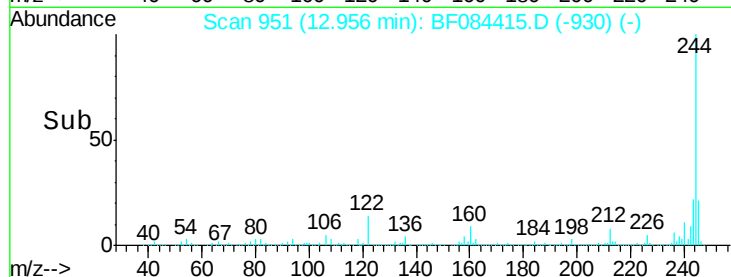
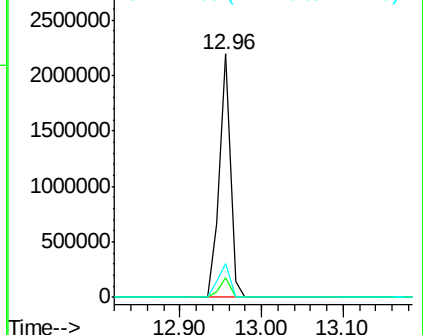
122 13.7 7.4 11.0#



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: 15.43 min Scan# 1167

Delta R.T. -0.08 min

Lab File: BF084415.D

Acq: 12 Jan 2016 17:36

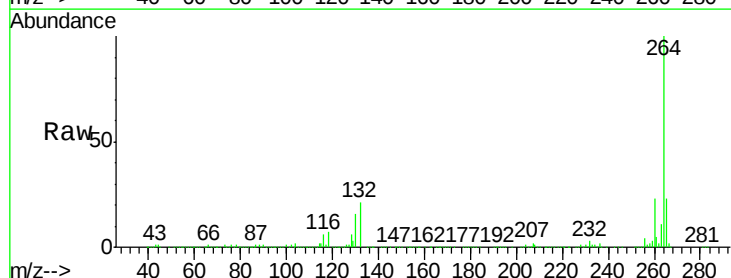
Tgt Ion:264 Resp: 460493

Ion Ratio Lower Upper

264 100

260 23.4 19.4 29.2

265 22.7 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

