

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011216\
 Data File : BF084416.D
 Acq On : 12 Jan 2016 18:05
 Operator : SJ/UM
 Sample : H1078-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TE-MW-IA-11

Quant Time: Jan 13 00:35:09 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	308855	20.00	ng	-0.06
21) Naphthalene-d8	8.13	136	1172146	20.00	ng	-0.06
38) Acenaphthene-d10	9.88	164	549186	20.00	ng	-0.07
63) Phenanthrene-d10	11.37	188	999856	20.00	ng	-0.06
75) Chrysene-d12	14.00	240	658733	20.00	ng	-0.07
86) Perylene-d12	15.43	264	527418	20.00	ng	-0.08

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	1222602	64.03	ng	-0.04
7) Phenol-d6	6.48	99	1019049	42.49	ng	-0.06
23) Nitrobenzene-d5	7.41	82	2113268	100.34	ng	-0.06
41) 2,4,6-Tribromophenol	10.67	330	652425	117.67	ng	-0.07
44) 2-Fluorobiphenyl	9.21	172	2677395	85.82	ng	-0.06
78) Terphenyl-d14	12.96	244	2385857	80.85	ng	-0.06

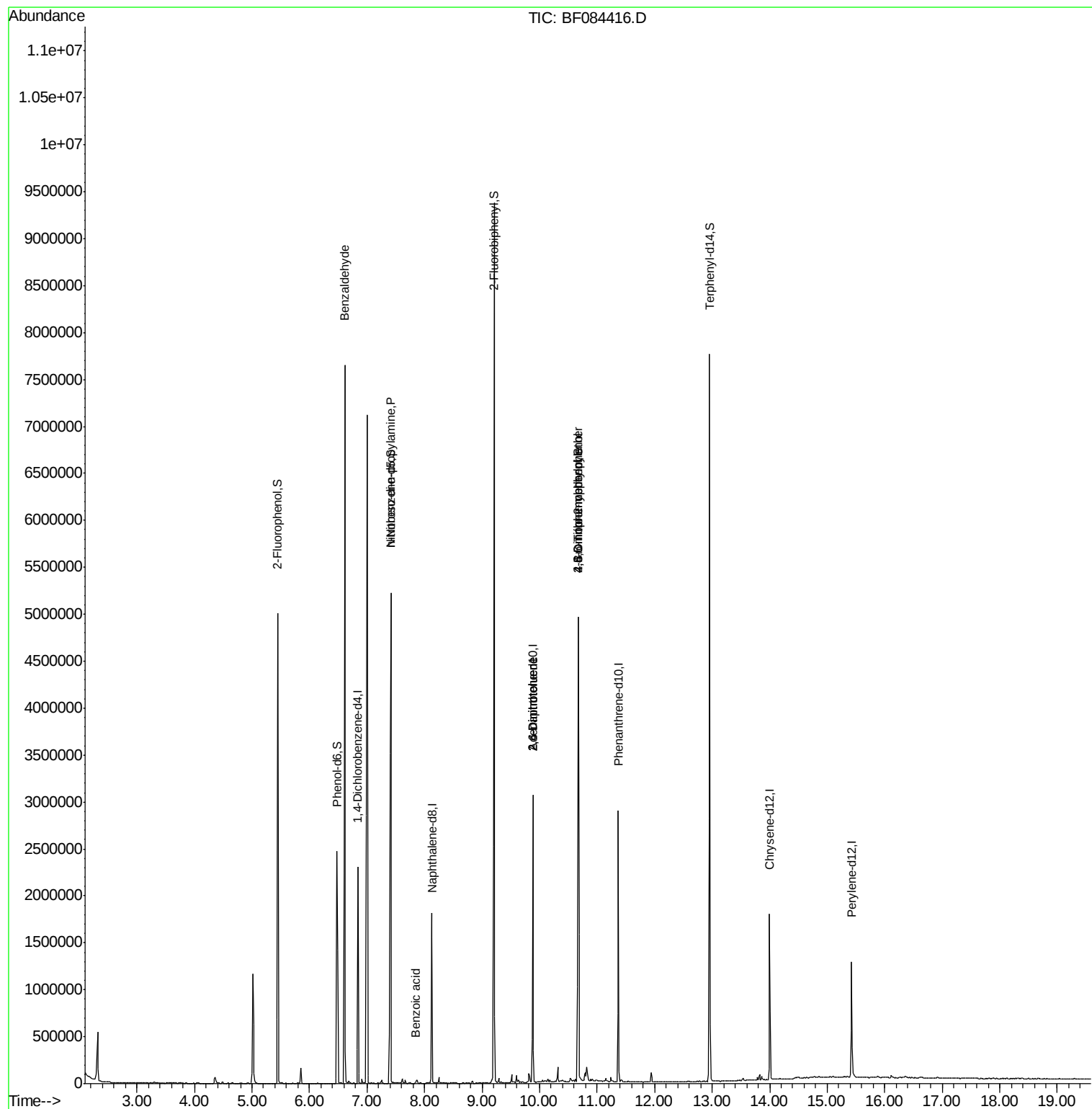
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.61	77	48388	3.10	ng	# 74
19) n-Nitroso-di-n-propylamine	7.41	70	291030	17.93	ng	# 77
32) Benzoic acid	7.85	122	347	6.27	ng	# 79
50) 2,6-Dinitrotoluene	9.88	165	72465	8.42	ng	# 38
54) Dibenzofuran	10.09	168	540	Below Cal		# 45
56) 2,4-Dinitrotoluene	9.88	165	72469	6.65	ng	# 21
57) Fluorene	10.67	166	27404	Below Cal		# 89
64) 4,6-Dinitro-2-methylphenol	10.67	198	1268	6.58	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	38465	3.57	ng	# 1
73) Di-n-butylphthalate	11.94	149	5037	Below Cal		# 88

(#) = 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: BF084416.D

Acq: 12 Jan 2016 18:05

Instrument :

BNA_F

ClientSampleId :

TE-MW-IA-11

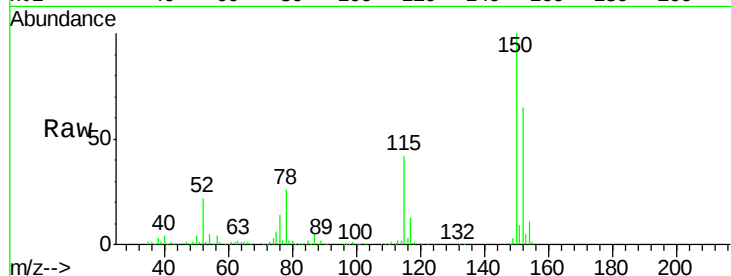
Tgt Ion:152 Resp: 308855

Ion Ratio Lower Upper

152 100

150 153.2 123.0 184.4

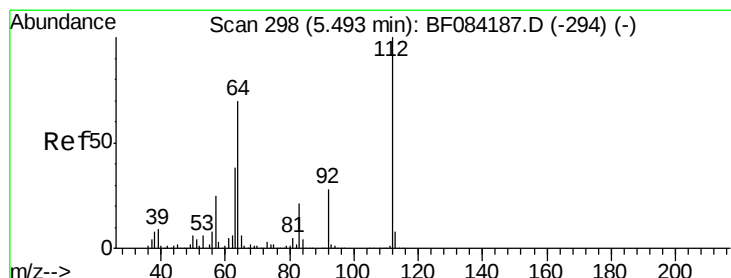
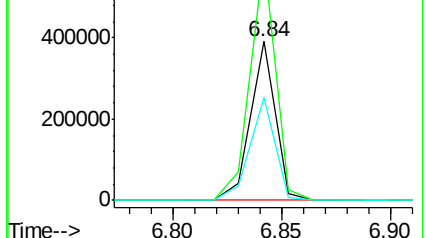
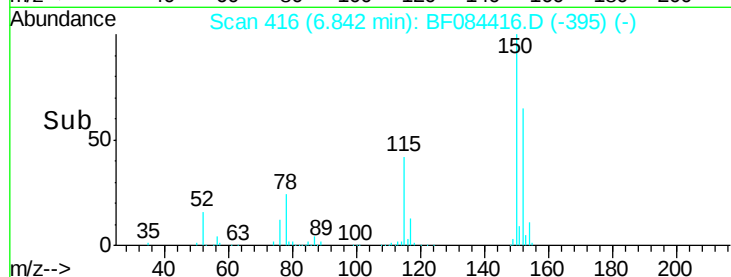
115 64.4 51.4 77.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 64.03 ng

RT: 5.45 min Scan# 294

Delta R.T. -0.04 min

Lab File: BF084416.D

Acq: 12 Jan 2016 18:05

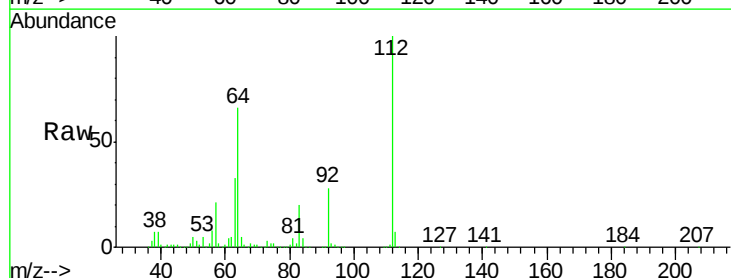
Tgt Ion:112 Resp: 1222602

Ion Ratio Lower Upper

112 100

64 65.7 36.6 55.0#

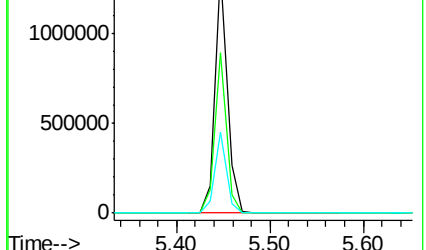
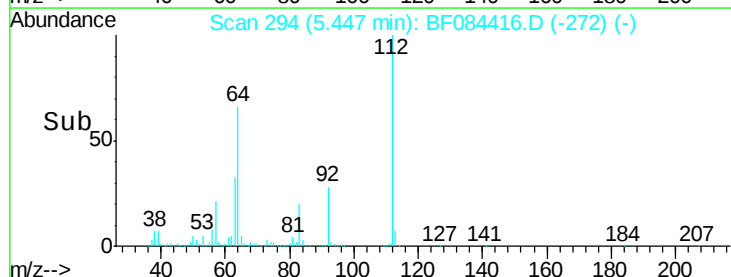
63 33.5 19.4 29.0#

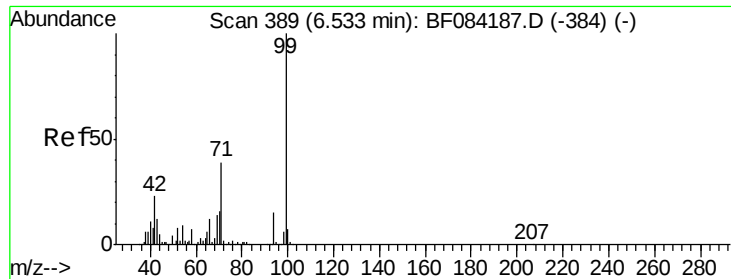


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 42.49 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.06 min

Lab File: BF084416.D

Acq: 12 Jan 2016 18:05

Instrument :

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TE-MW-IA-11

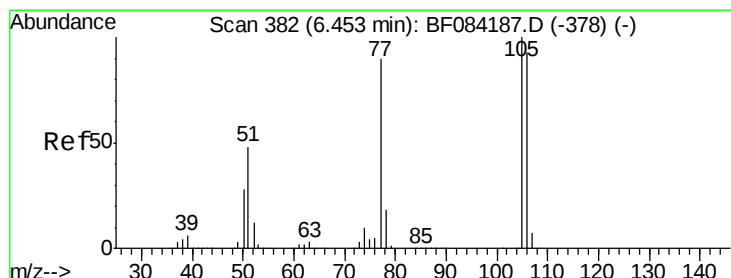
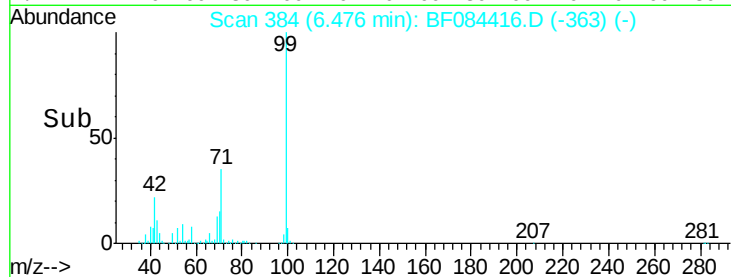
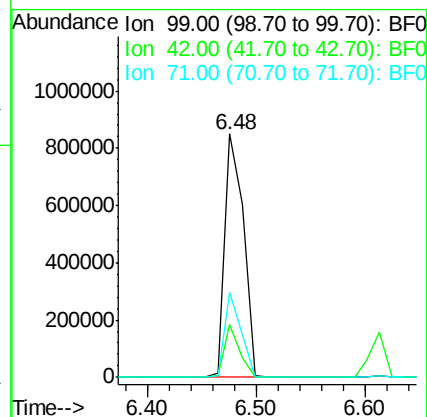
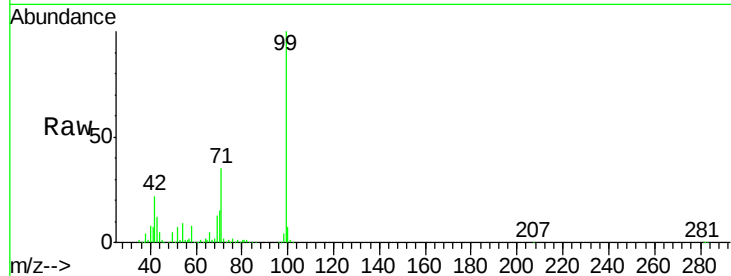
Tgt Ion: 99 Resp: 1019049

Ion Ratio Lower Upper

99 100

42 21.5 12.8 19.2#

71 34.9 30.9 46.3



#9

Benzaldehyde

Concen: 3.10 ng

RT: 6.61 min Scan# 396

Delta R.T. 0.16 min

Lab File: BF084416.D

Acq: 12 Jan 2016 18:05

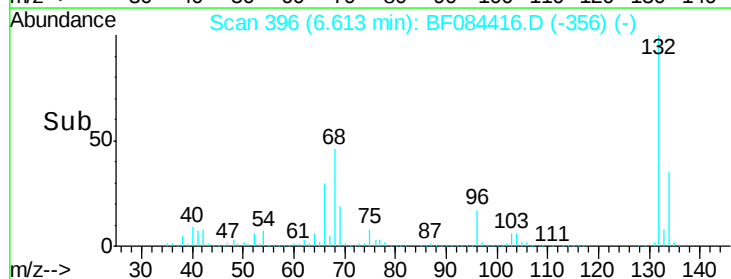
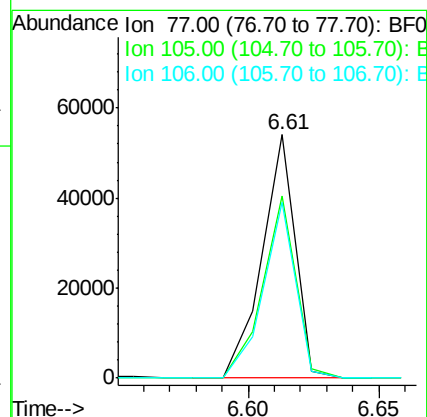
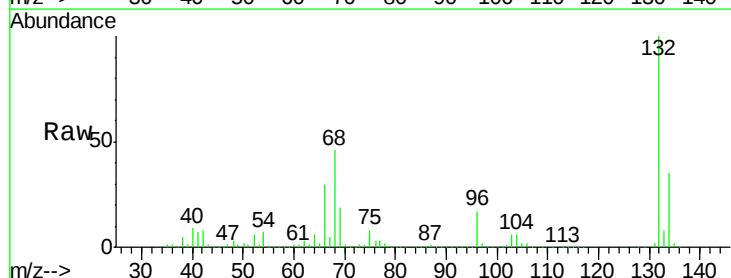
Tgt Ion: 77 Resp: 48388

Ion Ratio Lower Upper

77 100

105 74.7 83.0 123.0#

106 72.0 74.6 114.6#

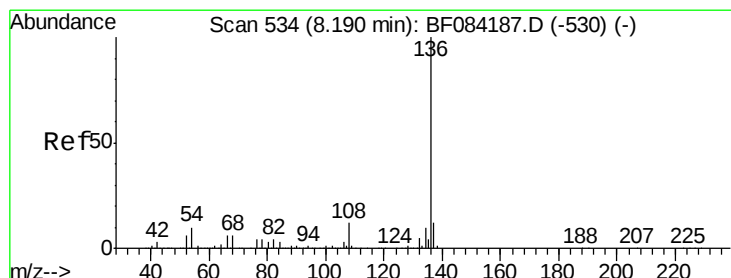
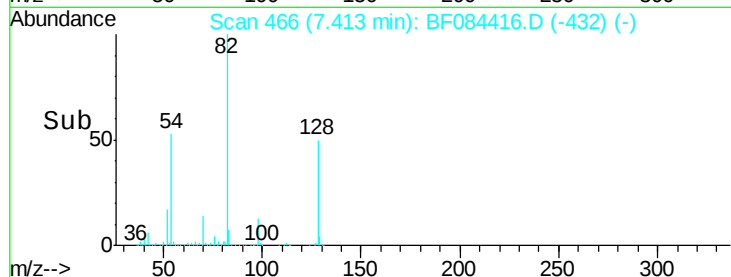
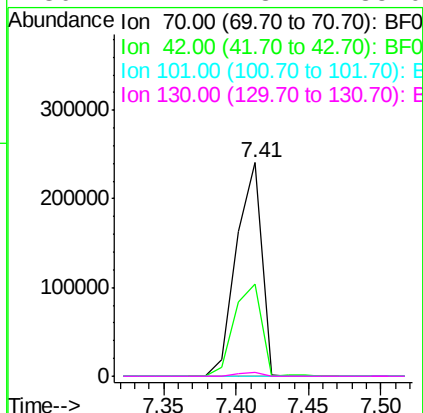
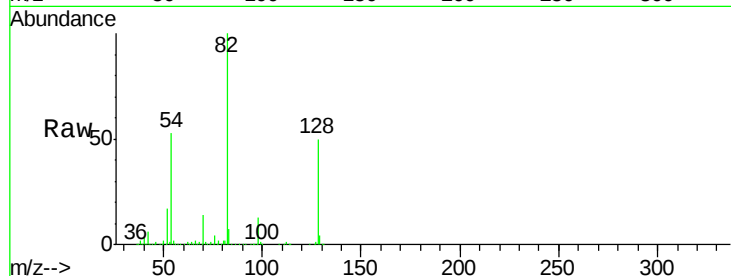




#19
n-Nitroso-di-n-propylamine
Concen: 17.93 ng
RT: 7.41 min Scan# 466
Delta R.T. 0.09 min
Lab File: BF084416.D
Acq: 12 Jan 2016 18:05

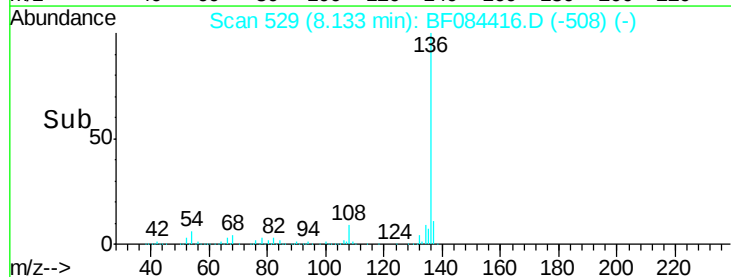
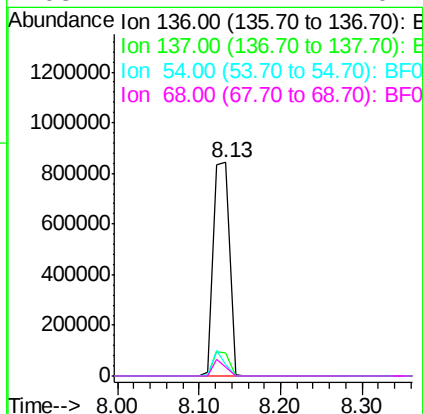
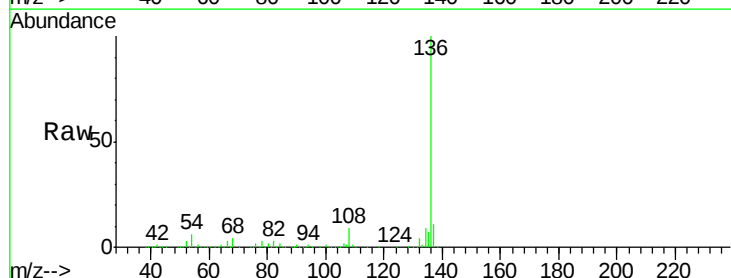
Instrument :
BNA_F
ClientSampleId :
TE-MW-IA-11

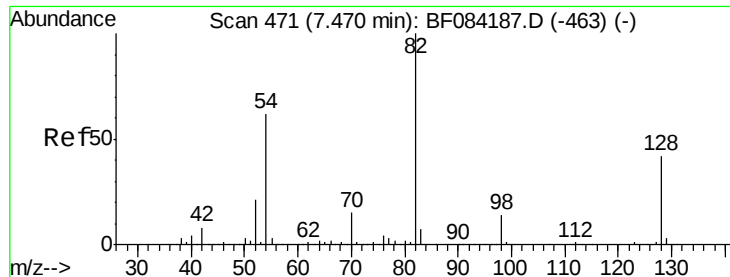
Tgt Ion: 70 Resp: 291030
Ion Ratio Lower Upper
70 100
42 43.2 33.3 49.9
101 0.0 9.3 13.9#
130 2.1 23.4 35.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.06 min
Lab File: BF084416.D
Acq: 12 Jan 2016 18:05

Tgt Ion: 136 Resp: 1172146
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 5.7 5.8 8.8#
68 4.2 4.2 6.2





#23

Nitrobenzene-d5

Concen: 100.34 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.06 min

Lab File: BF084416.D

Acq: 12 Jan 2016 18:05

Instrument :

BNA_F

ClientSampleId :

TE-MW-IA-11

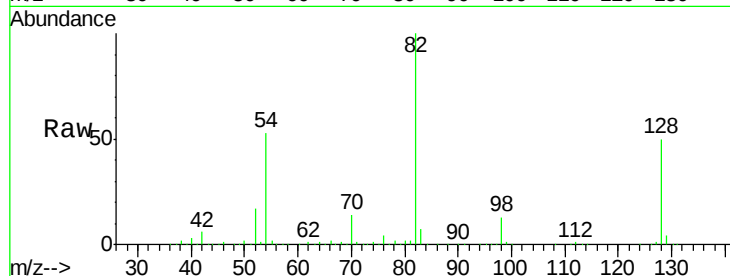
Tgt Ion: 82 Resp: 2113268

Ion Ratio Lower Upper

82 100

128 50.4 34.6 51.8

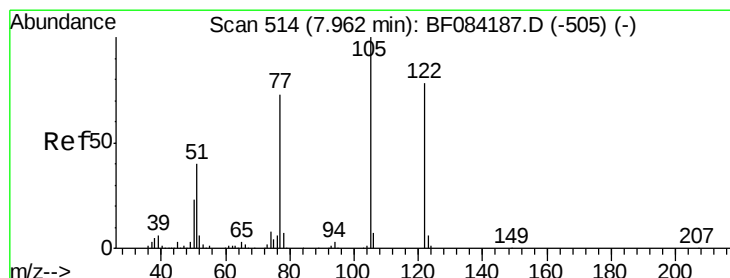
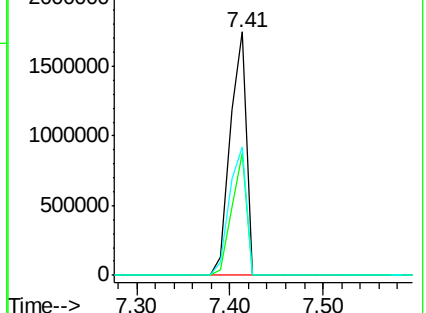
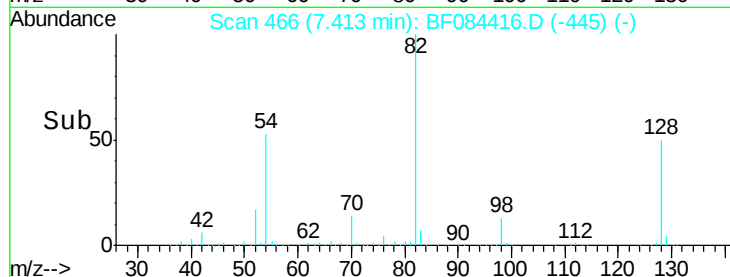
54 52.6 38.4 57.6



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: 6.27 ng

RT: 7.85 min Scan# 504

Delta R.T. -0.11 min

Lab File: BF084416.D

Acq: 12 Jan 2016 18:05

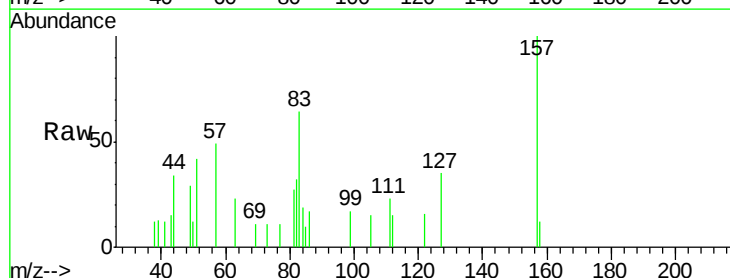
Tgt Ion: 122 Resp: 347

Ion Ratio Lower Upper

122 100

105 92.5 100.3 140.3#

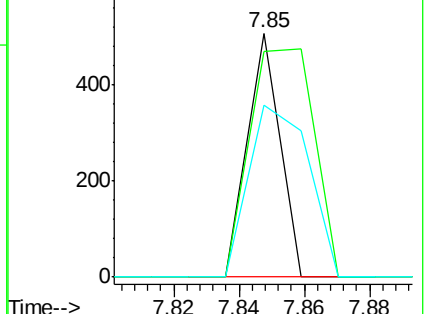
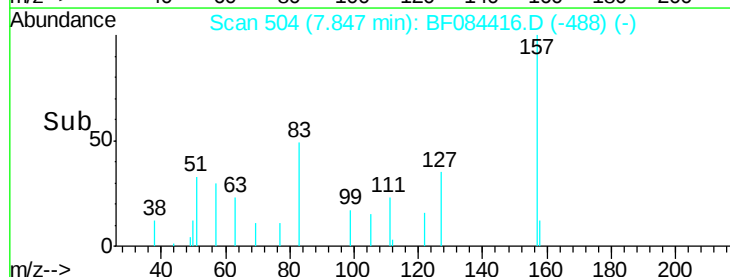
77 70.8 63.5 103.5

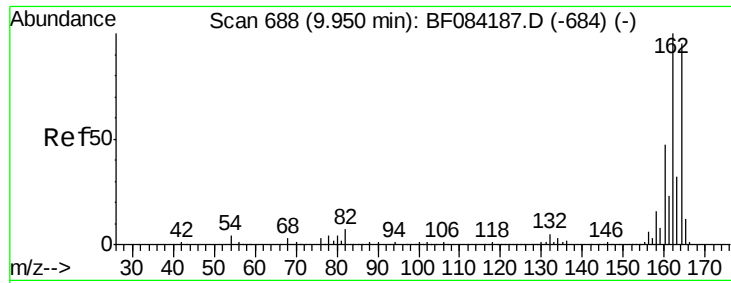


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

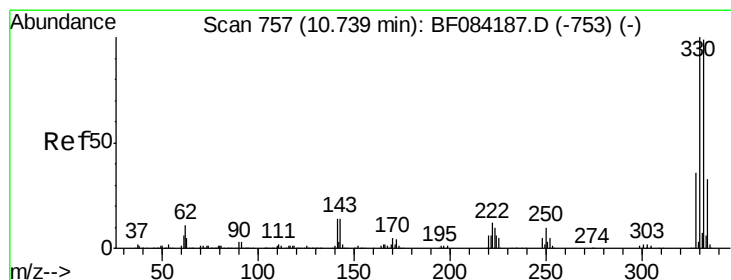
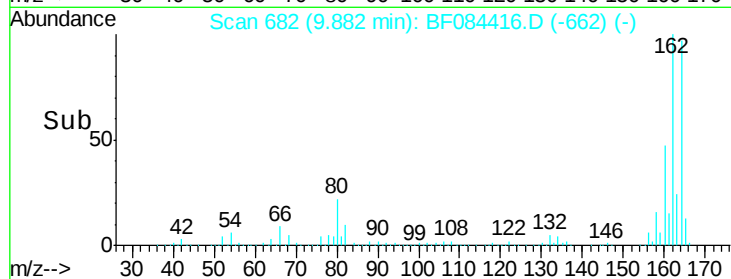
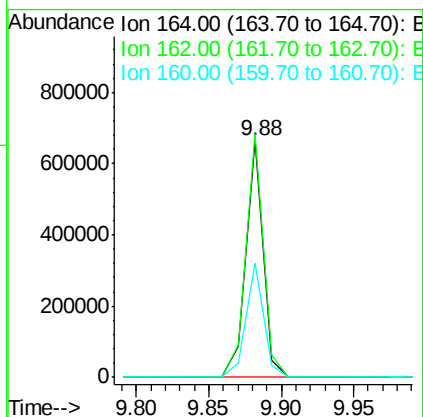
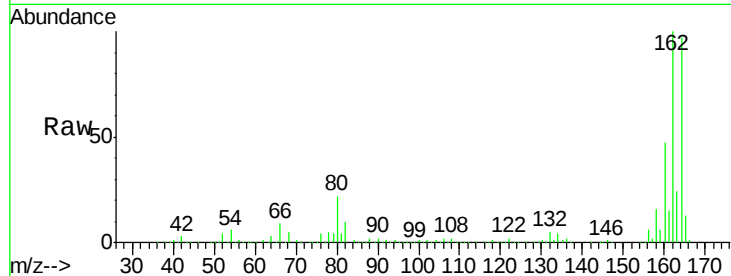




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.07 min
 Lab File: BF084416.D
 Acq: 12 Jan 2016 18:05

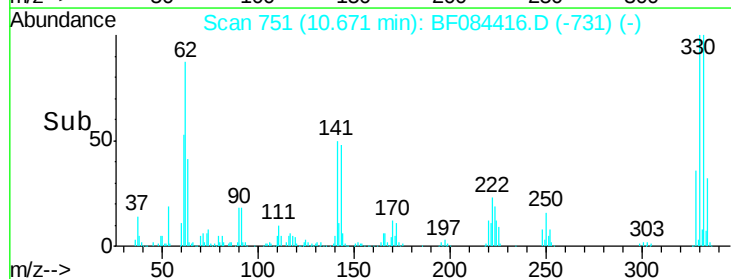
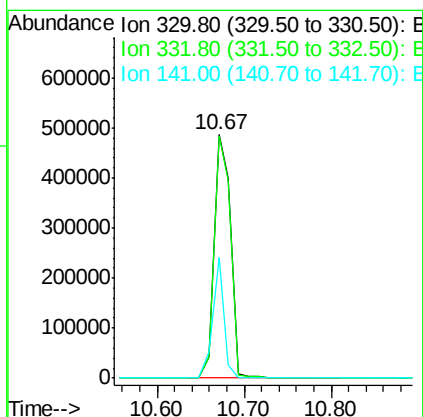
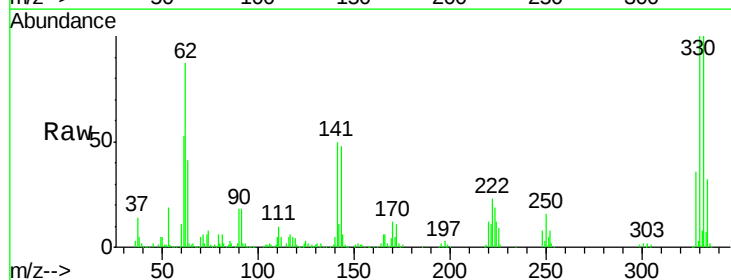
Instrument :
 BNA_F
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 TE-MW-IA-11

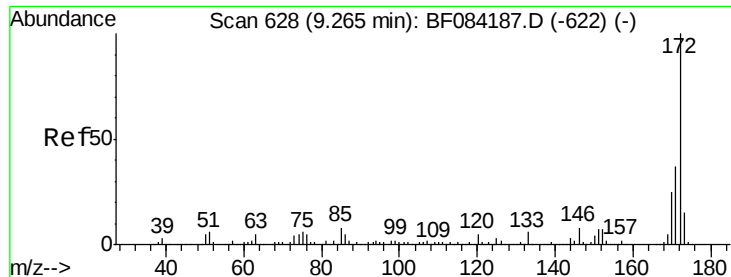
Tgt Ion:164 Resp: 549186
 Ion Ratio Lower Upper
 164 100
 162 102.8 85.1 127.7
 160 48.1 37.5 56.3



#41
 2,4,6-Tribromophenol
 Concen: 117.67 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.07 min
 Lab File: BF084416.D
 Acq: 12 Jan 2016 18:05

Tgt Ion:330 Resp: 652425
 Ion Ratio Lower Upper
 330 100
 332 98.8 76.6 114.8
 141 34.4 27.8 41.6

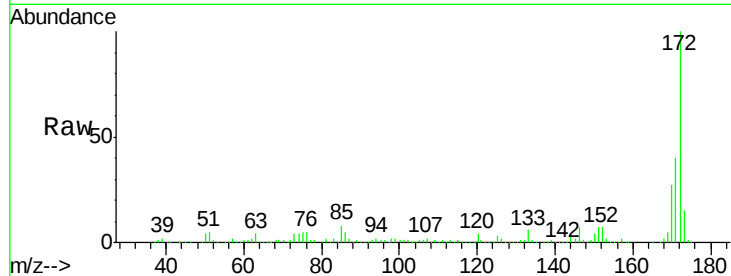




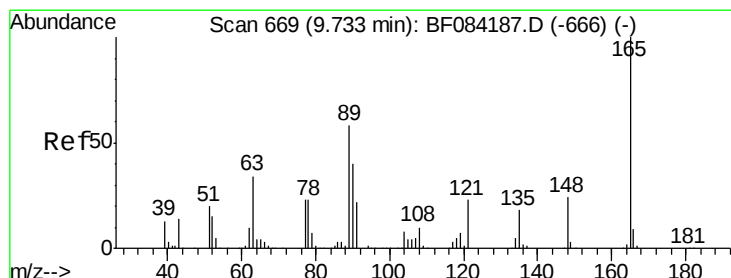
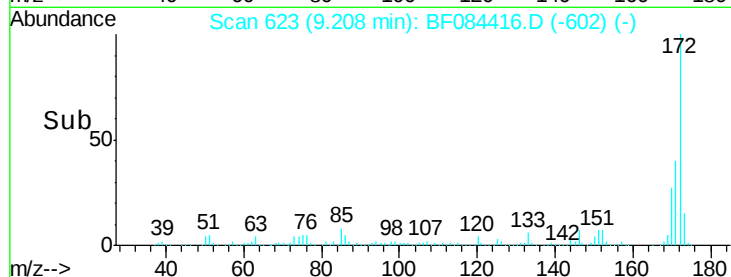
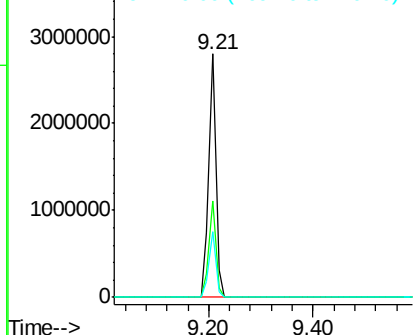
#44
 2-Fluorobiphenyl
 Concen: 85.82 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.06 min
 Lab File: BF084416.D
 Acq: 12 Jan 2016 18:05

Instrument :
 BNA_F
 ClientSampleId :
 TE-MW-IA-11

Tgt Ion:172 Resp: 2677395
 Ion Ratio Lower Upper
 172 100
 171 39.5 28.9 43.3
 170 26.8 18.6 27.8

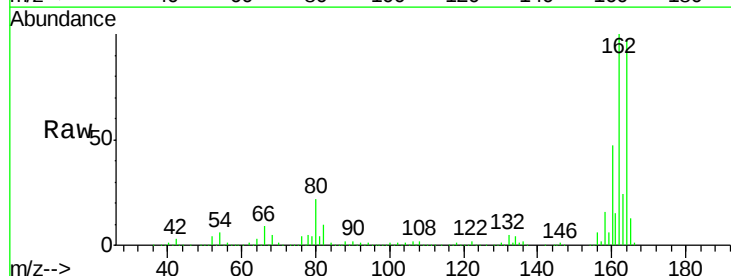


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

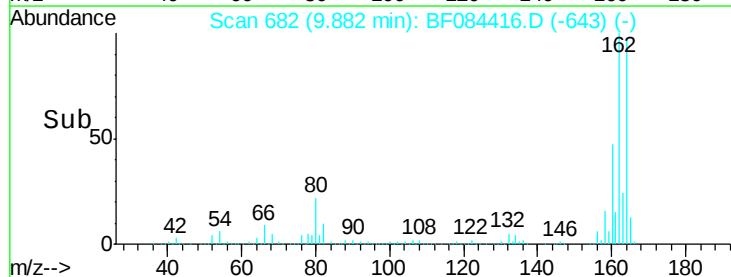
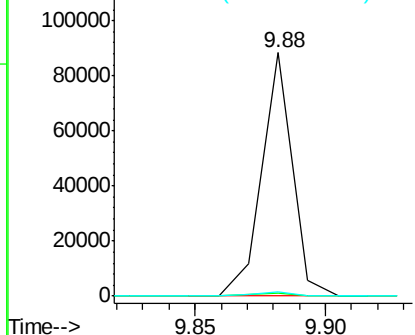


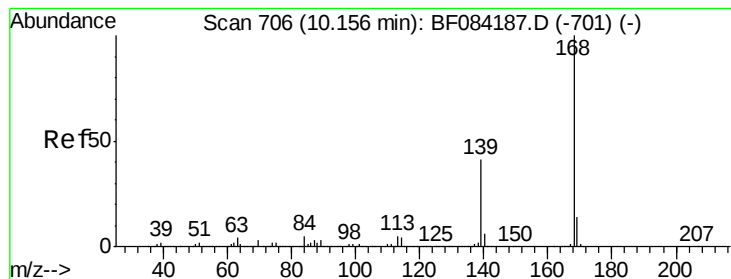
#50
 2,6-Dinitrotoluene
 Concen: 8.42 ng
 RT: 9.88 min Scan# 682
 Delta R.T. 0.15 min
 Lab File: BF084416.D
 Acq: 12 Jan 2016 18:05

Tgt Ion:165 Resp: 72465
 Ion Ratio Lower Upper
 165 100
 63 1.4 28.8 43.2#
 89 1.6 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: BF084416.D

Acq: 12 Jan 2016 18:05

Instrument :

BNA_F

ClientSampleId :

TE-MW-IA-11

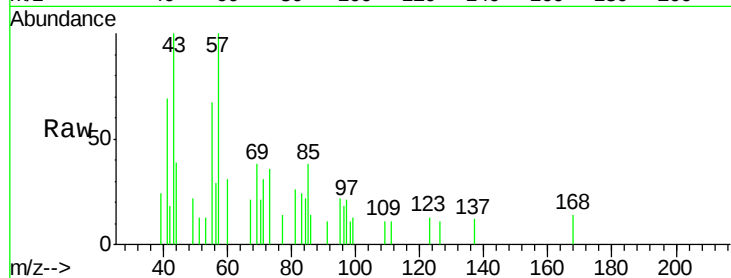
Tgt Ion:168 Resp: 540

Ion Ratio Lower Upper

168 100

139 0.0 30.5 45.7#

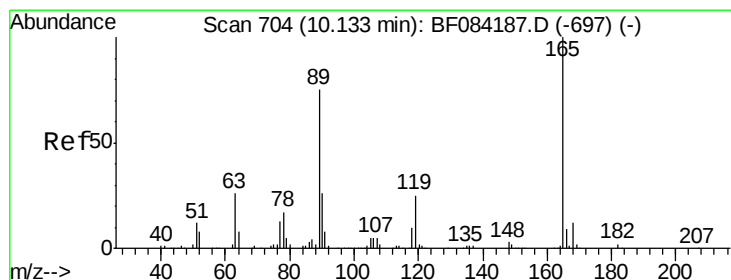
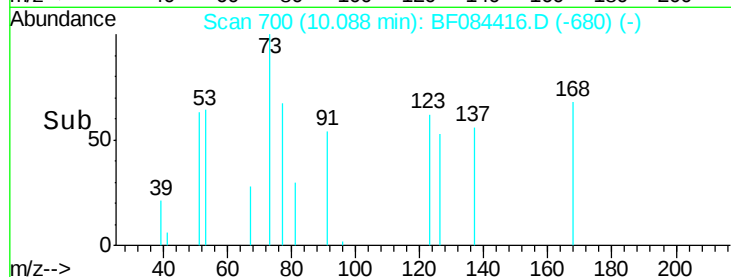
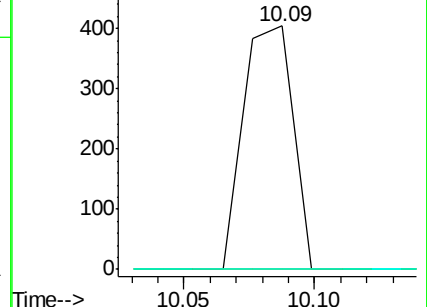
169 0.0 10.4 15.6#



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: 6.65 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.25 min

Lab File: BF084416.D

Acq: 12 Jan 2016 18:05

Tgt Ion:165 Resp: 72469

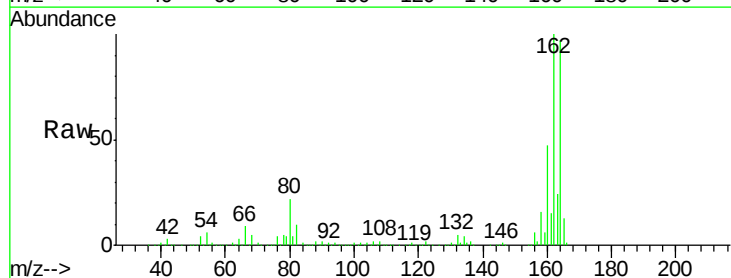
Ion Ratio Lower Upper

165 100

63 1.4 36.7 55.1#

89 1.6 61.9 92.9#

182 0.0 2.0 3.0#

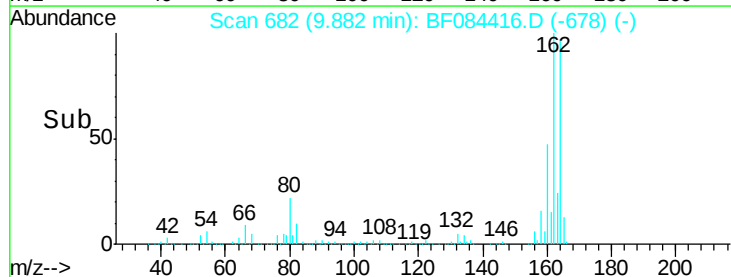
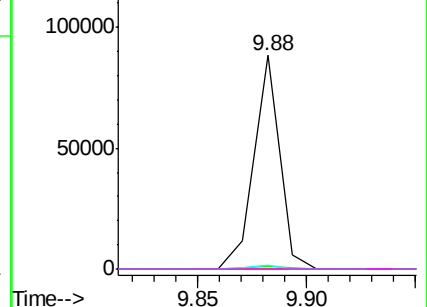


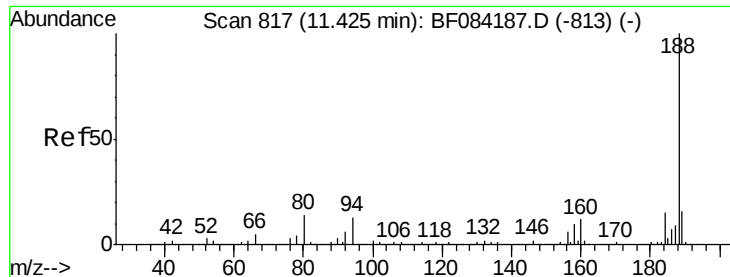
Abundance Ion 165.00 (164.70 to 165.70): E

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

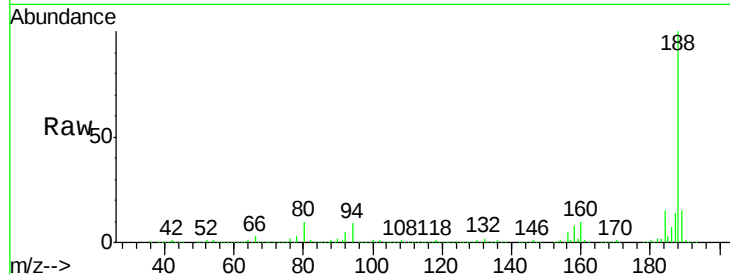




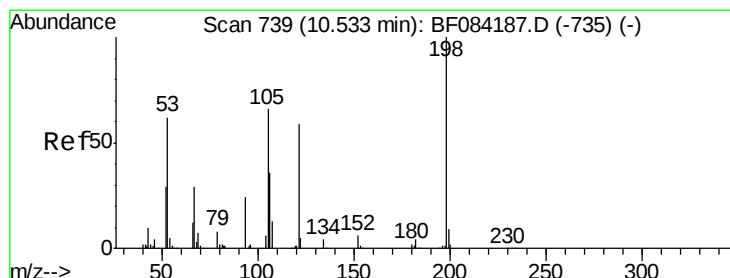
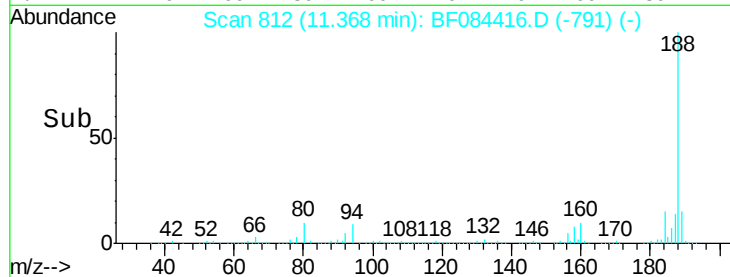
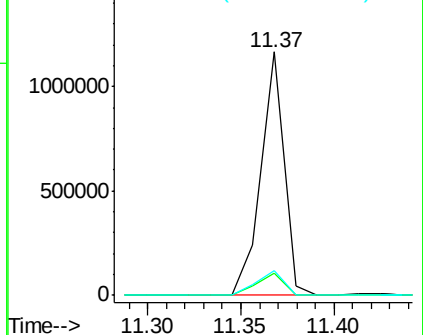
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.06 min
Lab File: BF084416.D
Acq: 12 Jan 2016 18:05

Instrument :
BNA_F
ClientSampleId :
TE-MW-IA-11

Tgt Ion:	188	Resp:	999856
Ion	Ratio	Lower	Upper
188	100		
94	9.3	9.0	13.4
80	9.9	9.6	14.4

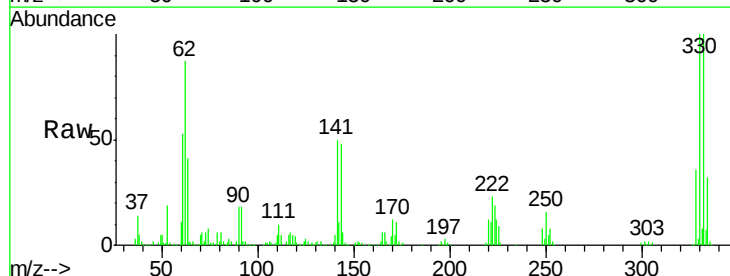


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

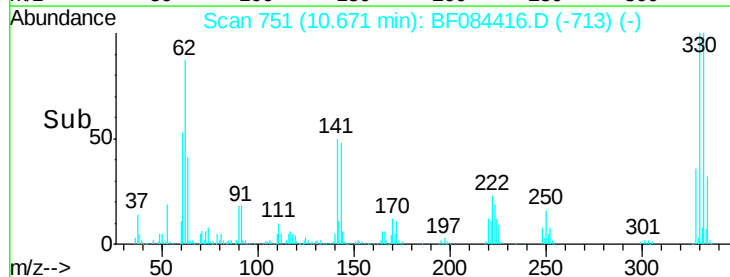
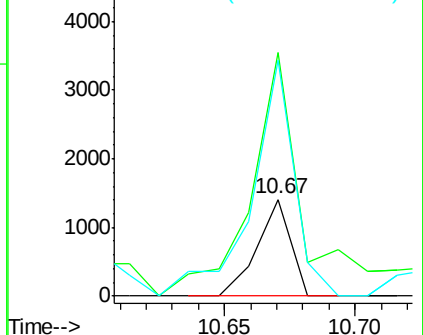


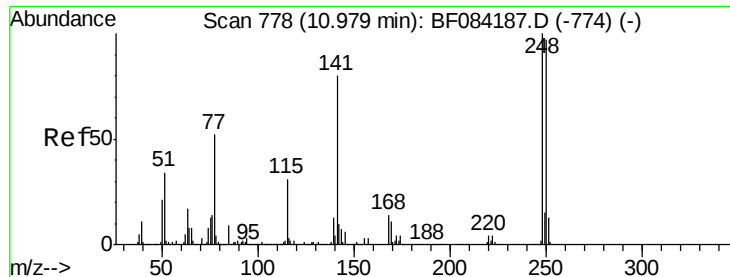
#64
4,6-Dinitro-2-methylphenol
Concen: 6.58 ng
RT: 10.67 min Scan# 751
Delta R.T. 0.14 min
Lab File: BF084416.D
Acq: 12 Jan 2016 18:05

Tgt Ion:	198	Resp:	1268
Ion	Ratio	Lower	Upper
198	100		
51	252.3	18.9	58.9#
105	244.7	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

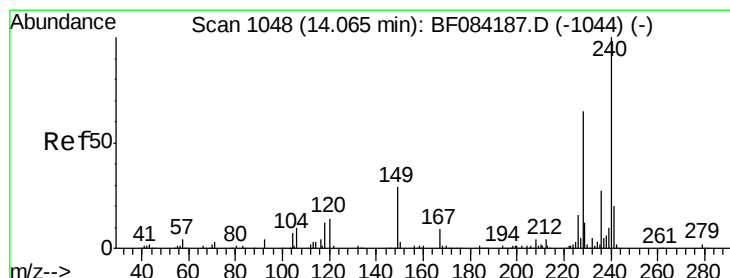
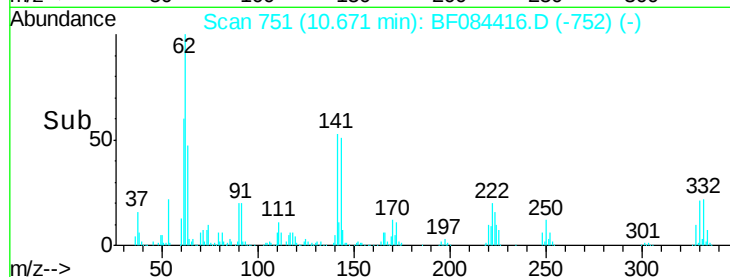
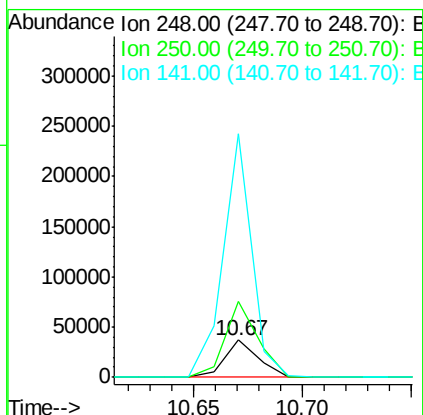
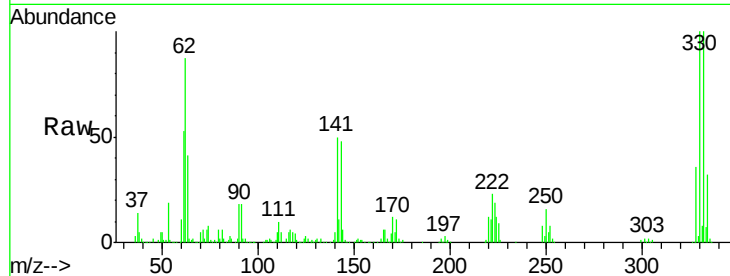




#66
 4-Bromophenyl-phenylether
 Concen: 3.57 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.31 min
 Lab File: BF084416.D
 Acq: 12 Jan 2016 18:05

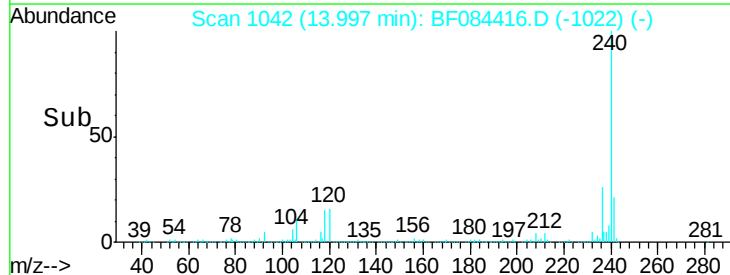
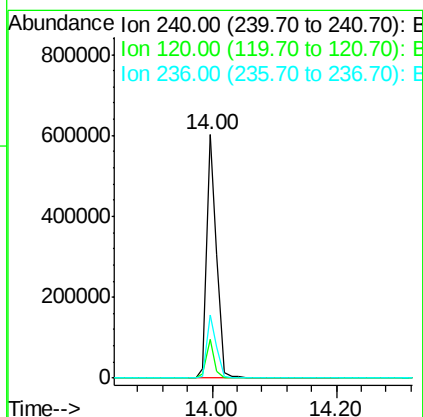
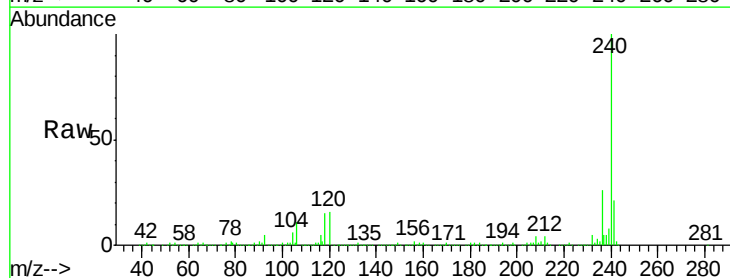
Instrument :
 BNA_F
 ClientSampleId :
 TE-MW-IA-11

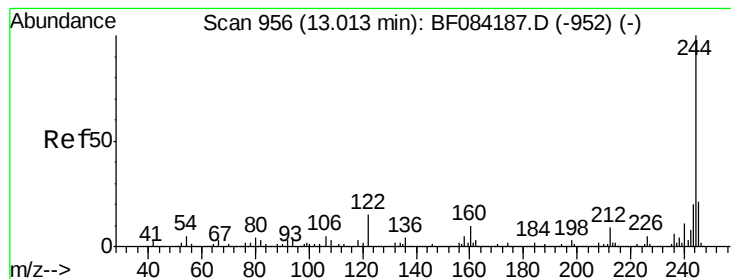
Tgt Ion: 248 Resp: 38465
 Ion Ratio Lower Upper
 248 100
 250 206.1 78.4 117.6#
 141 658.0 44.0 66.0#



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.00 min Scan# 1042
 Delta R.T. -0.07 min
 Lab File: BF084416.D
 Acq: 12 Jan 2016 18:05

Tgt Ion: 240 Resp: 658733
 Ion Ratio Lower Upper
 240 100
 120 16.0 9.5 14.3#
 236 25.8 20.6 31.0





#78

Terphenyl-d14

Concen: 80.85 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.06 min

Lab File: BF084416.D

Acq: 12 Jan 2016 18:05

Instrument :

BNA_F

ClientSampleId :

TE-MW-IA-11

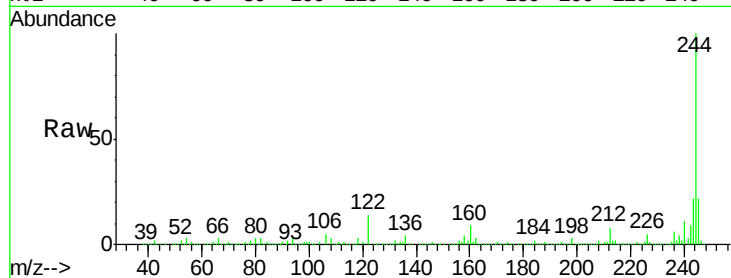
Tgt Ion:244 Resp: 2385857

Ion Ratio Lower Upper

244 100

212 7.8 5.7 8.5

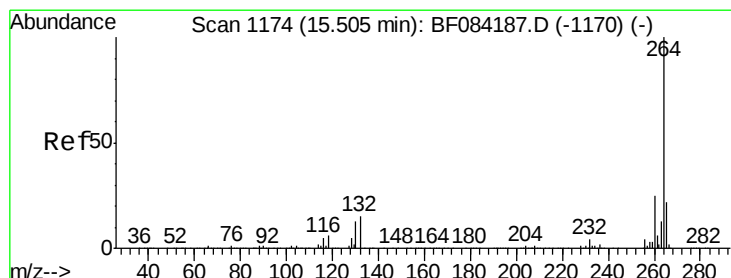
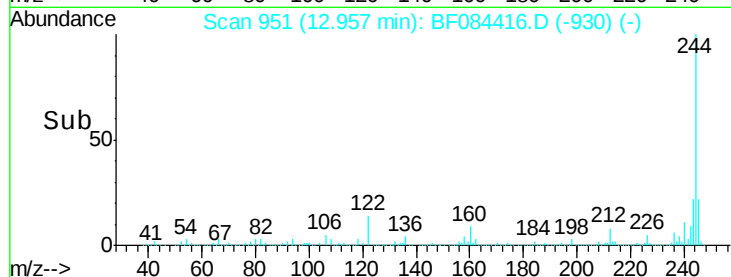
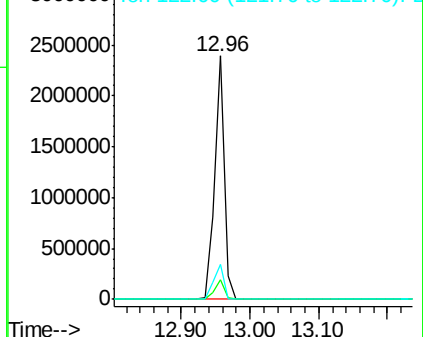
122 14.1 7.4 11.0#



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: BF084416.D

Acq: 12 Jan 2016 18:05

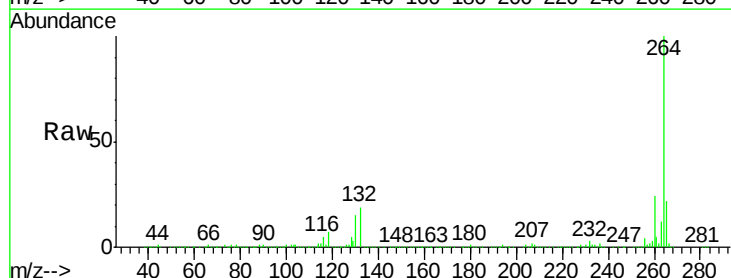
Tgt Ion:264 Resp: 527418

Ion Ratio Lower Upper

264 100

260 24.1 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

