

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011216\
 Data File : BF084441.D
 Acq On : 13 Jan 2016 6:06
 Operator : SJ/UM
 Sample : H1078-18
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TE-PMW-9S

Quant Time: Jan 13 07:27:55 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

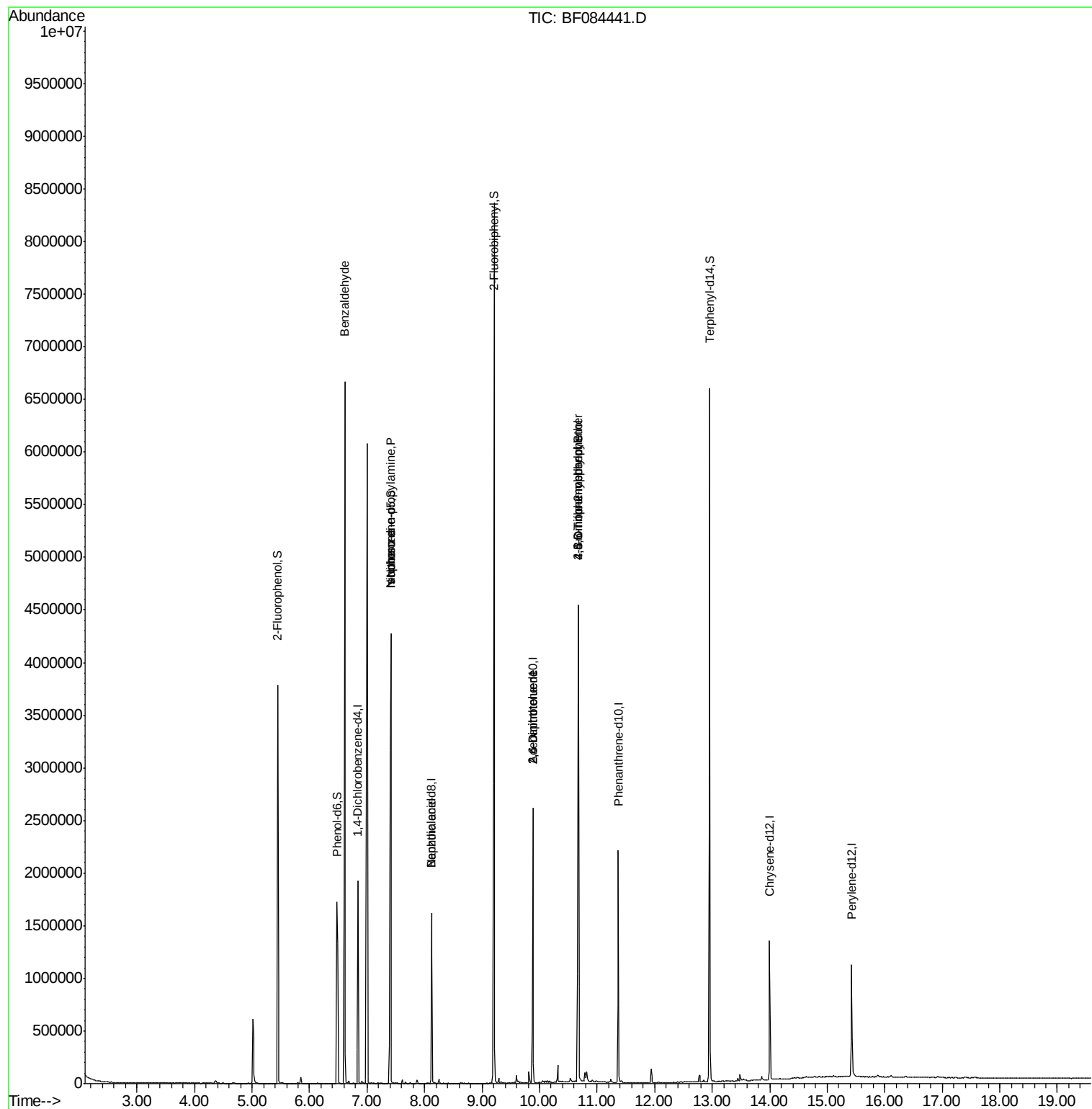
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	260347	20.00	ng	-0.06
21) Naphthalene-d8	8.12	136	992409	20.00	ng	-0.07
38) Acenaphthene-d10	9.88	164	479409	20.00	ng	-0.07
63) Phenanthrene-d10	11.37	188	813197	20.00	ng	-0.06
75) Chrysene-d12	14.00	240	509631	20.00	ng	-0.07
86) Perylene-d12	15.43	264	462438	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	986784	61.31	ng	-0.04
7) Phenol-d6	6.48	99	799644	39.56	ng	-0.06
23) Nitrobenzene-d5	7.41	82	1817795	101.94	ng	-0.06
41) 2,4,6-Tribromophenol	10.67	330	537660	111.09	ng	-0.07
44) 2-Fluorobiphenyl	9.21	172	2492051	91.96	ng	-0.06
78) Terphenyl-d14	12.96	244	2057620	90.12	ng	-0.06
Target Compounds						
9) Benzaldehyde	6.61	77	41385	3.14	ng	# 78
19) n-Nitroso-di-n-propylamine	7.41	70	249478	18.23	ng	# 77
25) Isophorone	7.41	82	1731830	50.78	ng	# 66
32) Benzoic acid	8.12	122	206	6.27	ng	# 1
50) 2,6-Dinitrotoluene	9.88	165	62323	8.29	ng	# 37
54) Dibenzofuran	10.08	168	281	Below Cal		# 45
56) 2,4-Dinitrotoluene	9.88	165	62326	6.55	ng	# 21
57) Fluorene	10.67	166	22414	Below Cal		# 87
64) 4,6-Dinitro-2-methylphenol	10.67	198	926	6.56	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	33152	3.79	ng	# 1
73) Di-n-butylphthalate	11.94	149	1065	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: BF084441.D

Acq: 13 Jan 2016 6:06

Instrument :

BNA_F

ClientSampleId :

TE-PMW-9S

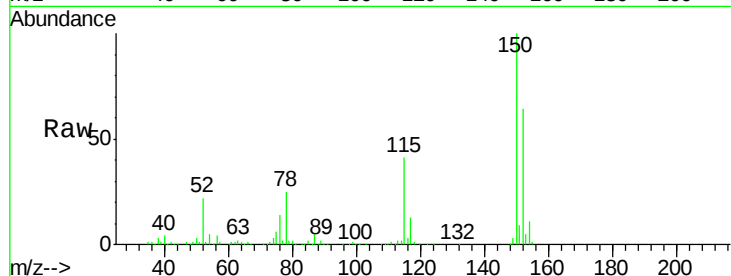
Tgt Ion:152 Resp: 260347

Ion Ratio Lower Upper

152 100

150 155.3 123.0 184.4

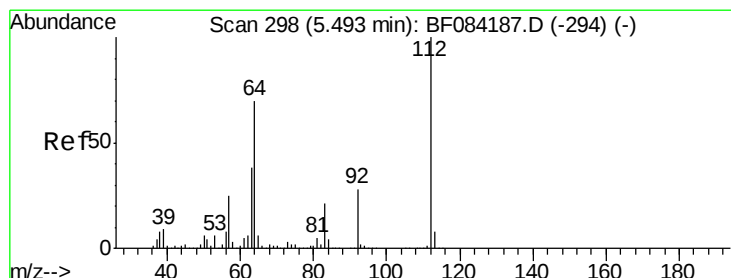
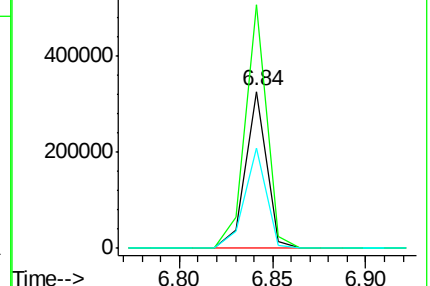
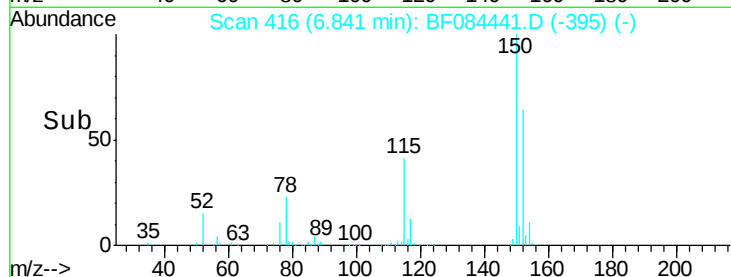
115 63.9 51.4 77.2



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: 61.31 ng

RT: 5.45 min Scan# 294

Delta R.T. -0.04 min

Lab File: BF084441.D

Acq: 13 Jan 2016 6:06

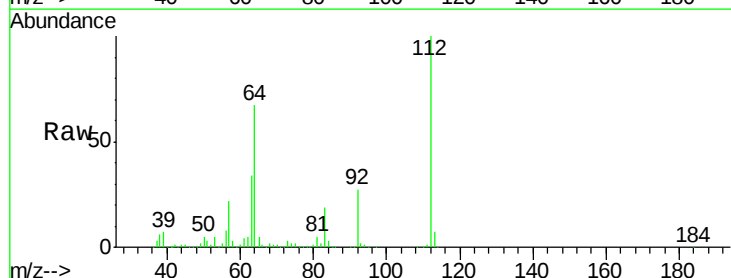
Tgt Ion:112 Resp: 986784

Ion Ratio Lower Upper

112 100

64 66.6 36.6 55.0#

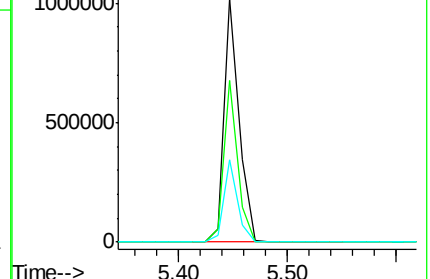
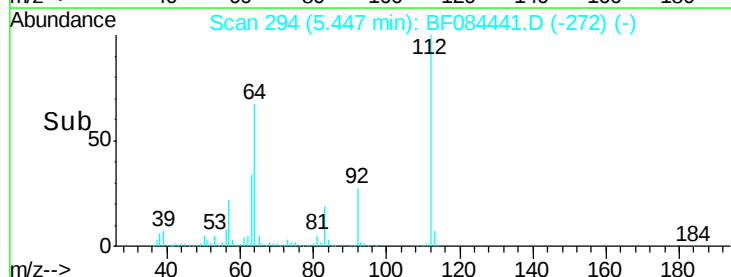
63 33.6 19.4 29.0#

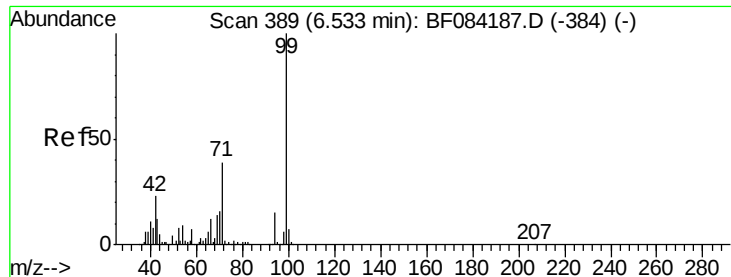


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 39.56 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.06 min

Lab File: BF084441.D

Acq: 13 Jan 2016 6:06

Instrument :

BNA_F

ClientSampleId :

TE-PMW-9S

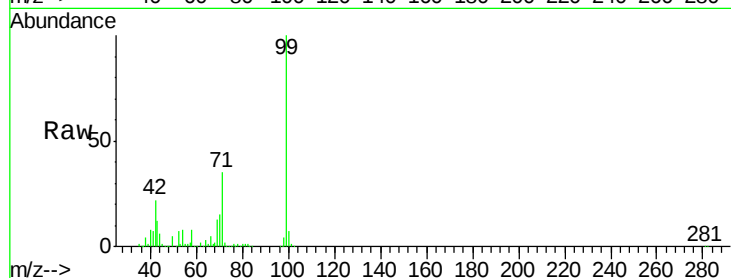
Tgt Ion: 99 Resp: 799644

Ion Ratio Lower Upper

99 100

42 22.2 12.8 19.2#

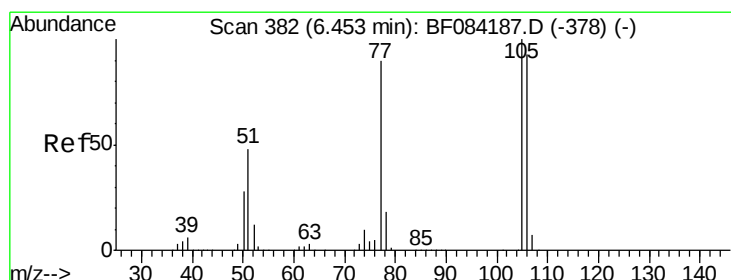
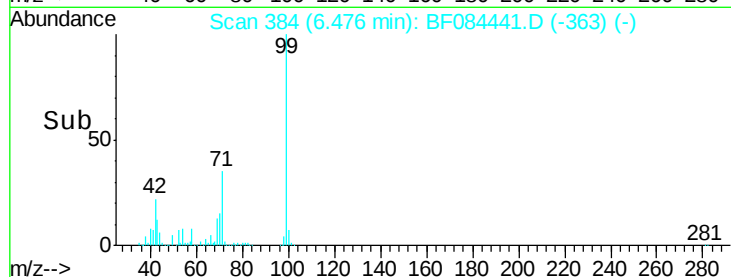
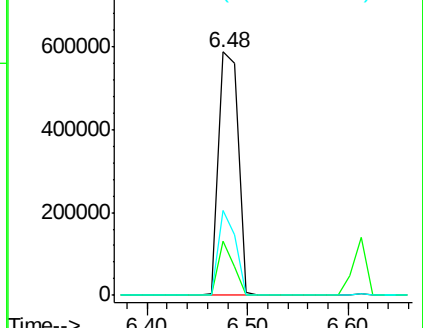
71 35.1 30.9 46.3



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



#9

Benzaldehyde

Concen: 3.14 ng

RT: 6.61 min Scan# 396

Delta R.T. 0.16 min

Lab File: BF084441.D

Acq: 13 Jan 2016 6:06

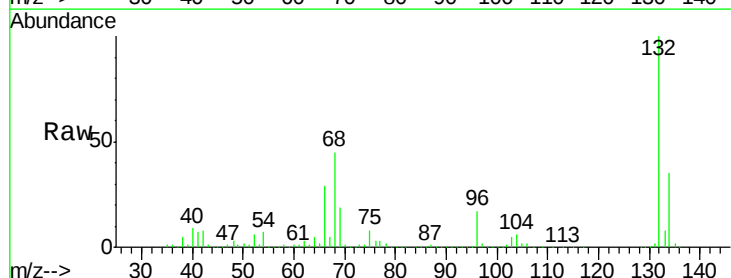
Tgt Ion: 77 Resp: 41385

Ion Ratio Lower Upper

77 100

105 79.3 83.0 123.0#

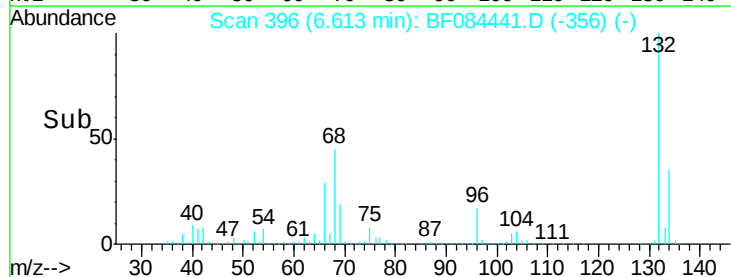
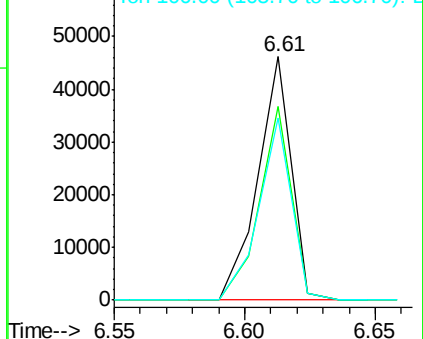
106 74.8 74.6 114.6



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

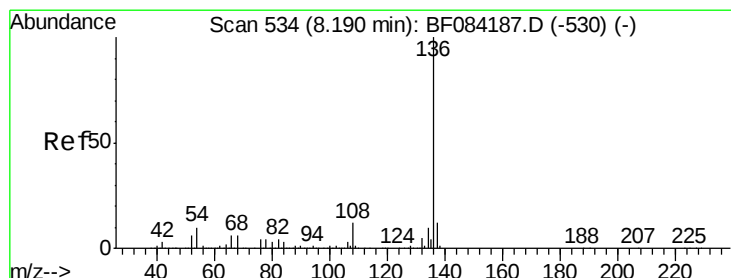
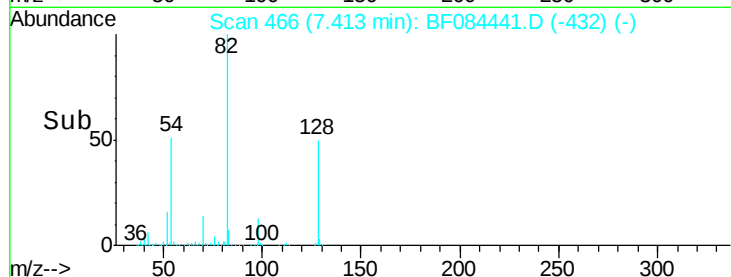
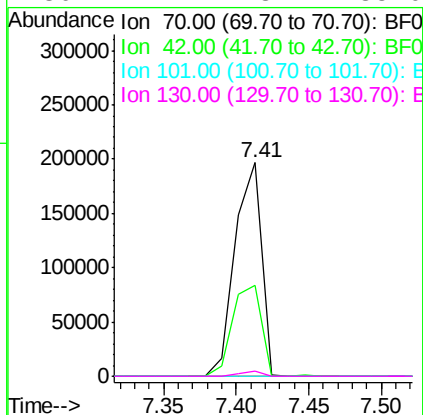
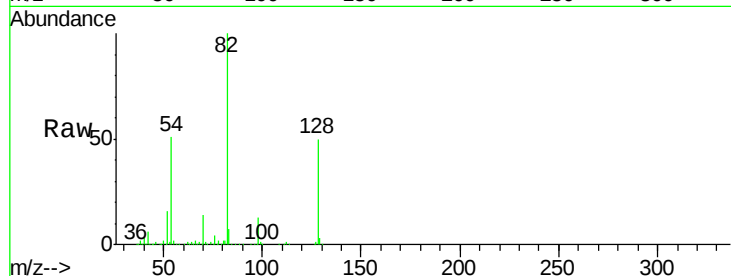




#19
n-Nitroso-di-n-propylamine
Concen: 18.23 ng
RT: 7.41 min Scan# 466
Delta R.T. 0.09 min
Lab File: BF084441.D
Acq: 13 Jan 2016 6:06

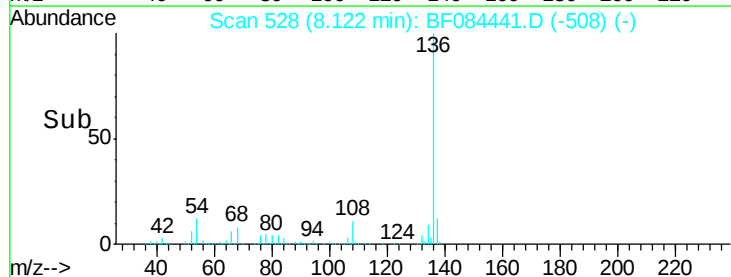
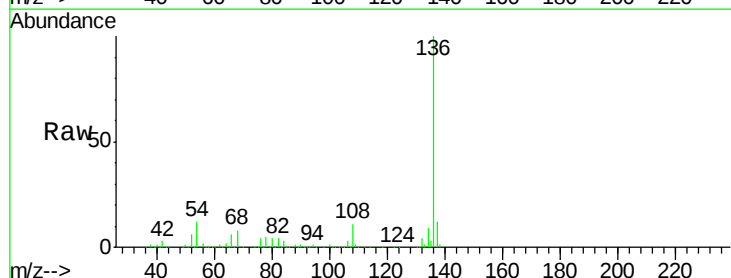
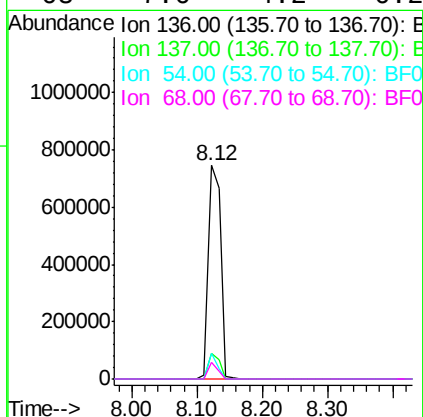
Instrument :
BNA_F
ClientSampleId :
TE-PMW-9S

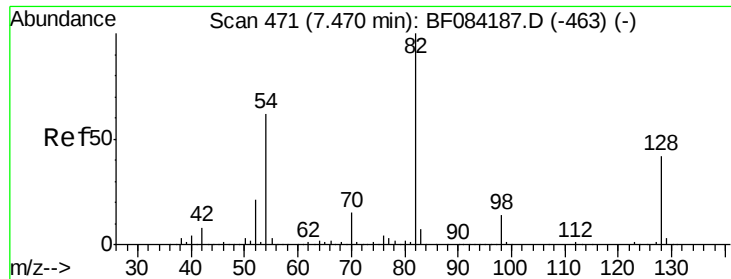
Tgt Ion: 70 Resp: 249478
Ion Ratio Lower Upper
70 100
42 42.8 33.3 49.9
101 0.0 9.3 13.9#
130 2.2 23.4 35.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.07 min
Lab File: BF084441.D
Acq: 13 Jan 2016 6:06

Tgt Ion: 136 Resp: 992409
Ion Ratio Lower Upper
136 100
137 11.8 8.7 13.1
54 12.3 5.8 8.8#
68 7.6 4.2 6.2#

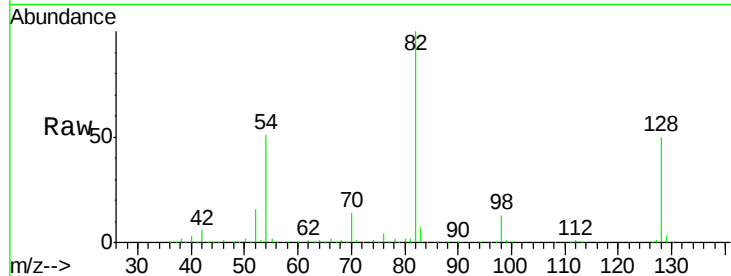




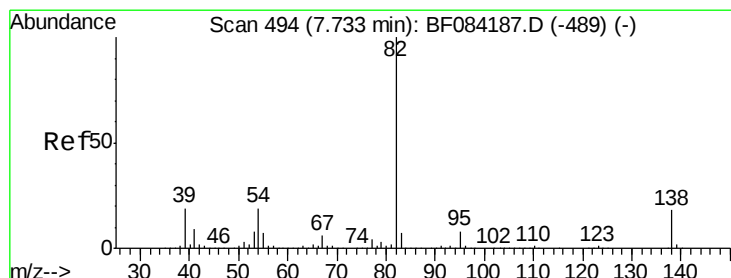
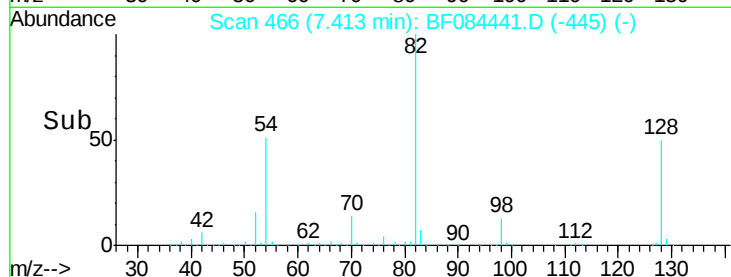
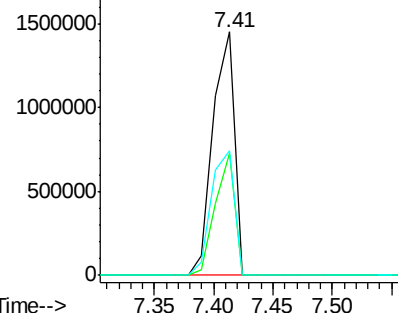
#23
Nitrobenzene-d5
Concen: 101.94 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.06 min
Lab File: BF084441.D
Acq: 13 Jan 2016 6:06

Instrument :
BNA_F
ClientSampleId :
TE-PMW-9S

Tgt Ion: 82 Resp: 1817795
Ion Ratio Lower Upper
82 100
128 50.3 34.6 51.8
54 51.0 38.4 57.6

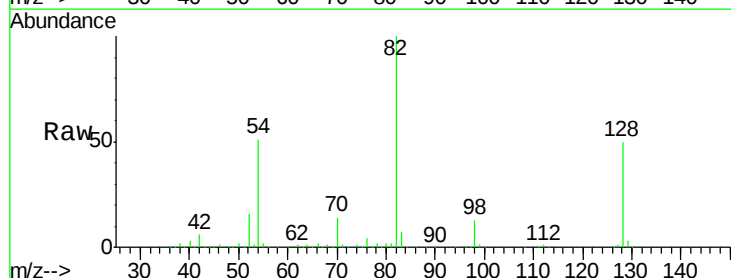


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

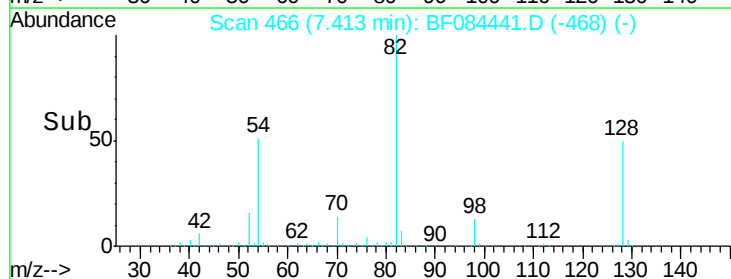
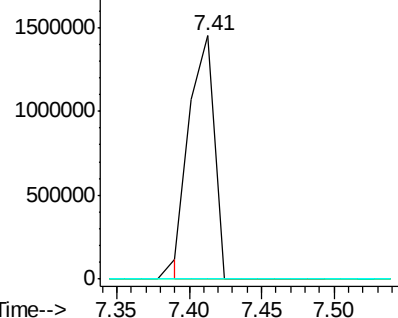


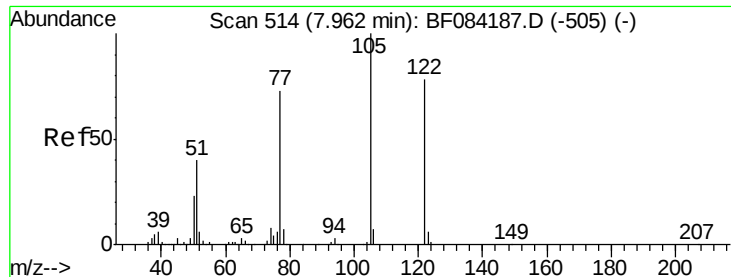
#25
Isophorone
Concen: 50.78 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.32 min
Lab File: BF084441.D
Acq: 13 Jan 2016 6:06

Tgt Ion: 82 Resp: 1731830
Ion Ratio Lower Upper
82 100
95 0.0 6.6 10.0#
138 0.0 13.6 20.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0

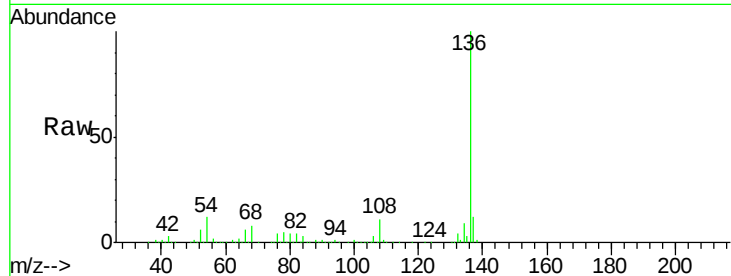




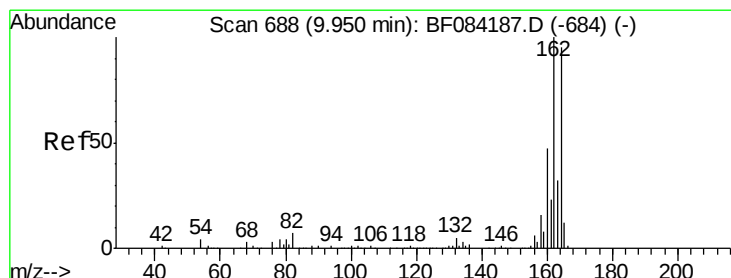
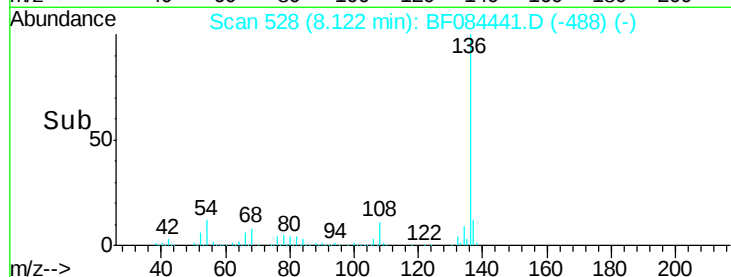
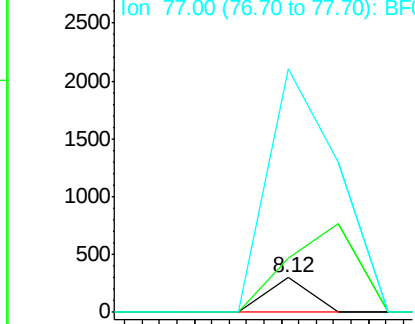
#32
Benzoic acid
Concen: 6.27 ng
RT: 8.12 min Scan# 528
Delta R.T. 0.16 min
Lab File: BF084441.D
Acq: 13 Jan 2016 6:06

Instrument :
BNA_F
ClientSampled :
TE-PMW-9S

Tgt Ion:122 Resp: 206
Ion Ratio Lower Upper
122 100
105 157.7 100.3 140.3#
77 701.3 63.5 103.5#

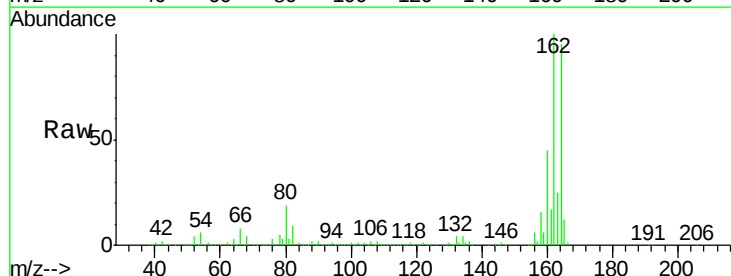


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

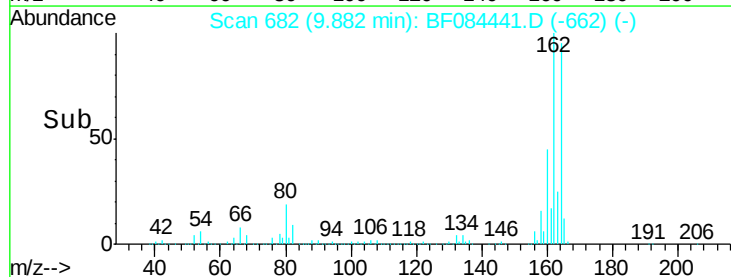
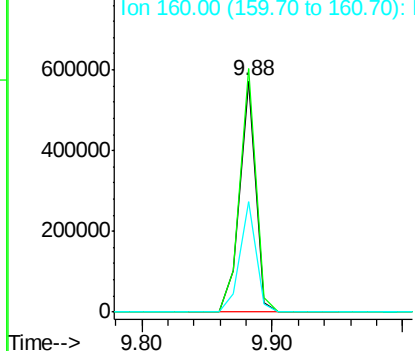


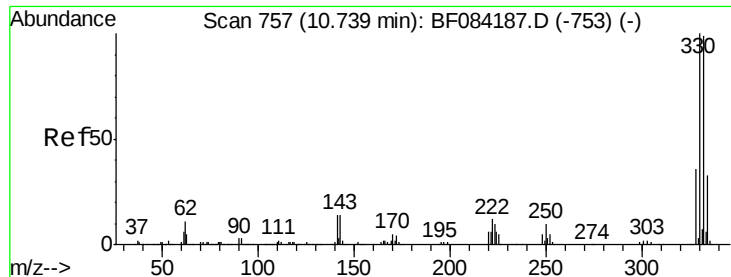
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.07 min
Lab File: BF084441.D
Acq: 13 Jan 2016 6:06

Tgt Ion:164 Resp: 479409
Ion Ratio Lower Upper
164 100
162 105.5 85.1 127.7
160 47.7 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

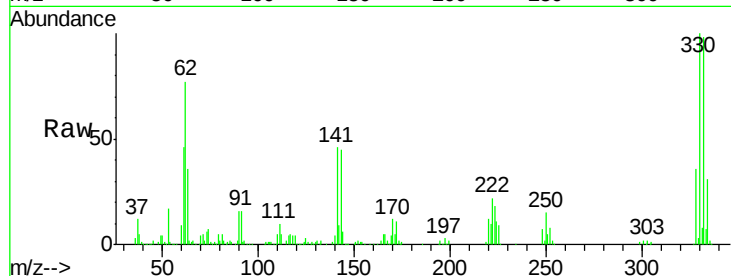




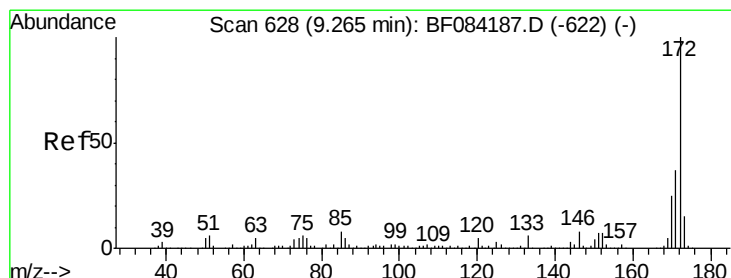
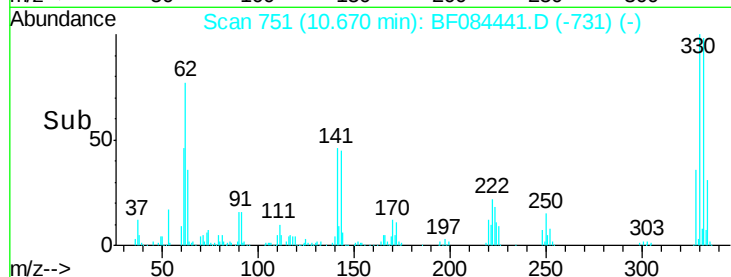
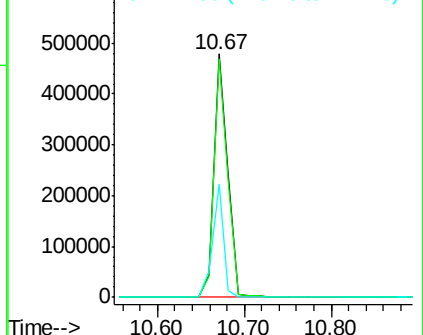
#41
 2,4,6-Tribromophenol
 Concen: 111.09 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.07 min
 Lab File: BF084441.D
 Acq: 13 Jan 2016 6:06

Instrument :
 BNA_F
 ClientSampleId :
 TE-PMW-9S

Tgt Ion:330 Resp: 537660
 Ion Ratio Lower Upper
 330 100
 332 97.1 76.6 114.8
 141 37.5 27.8 41.6

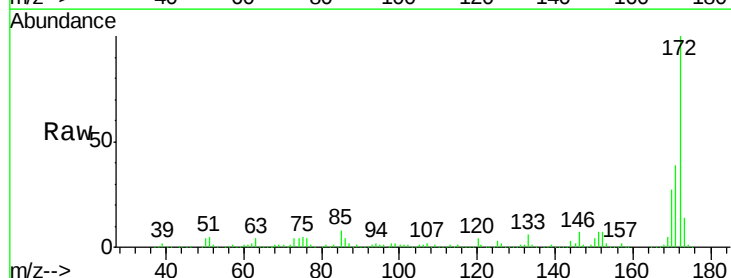


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

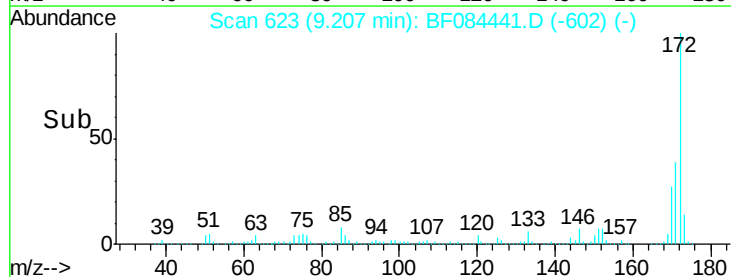
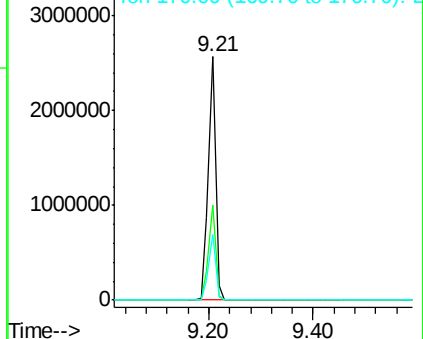


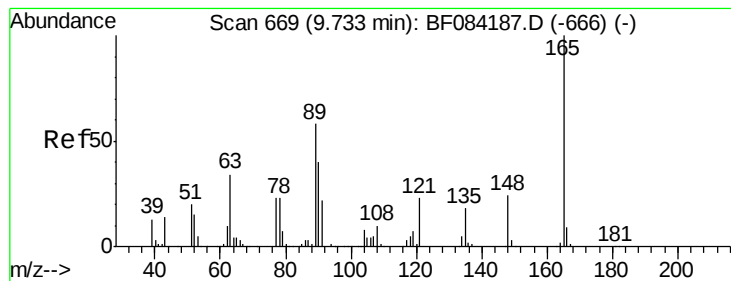
#44
 2-Fluorobiphenyl
 Concen: 91.96 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.06 min
 Lab File: BF084441.D
 Acq: 13 Jan 2016 6:06

Tgt Ion:172 Resp: 2492051
 Ion Ratio Lower Upper
 172 100
 171 39.0 28.9 43.3
 170 27.1 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: 8.29 ng

RT: 9.88 min Scan# 682

Delta R.T. 0.15 min

Lab File: BF084441.D

Acq: 13 Jan 2016 6:06

Instrument :

BNA_F

ClientSampleId :

TE-PMW-9S

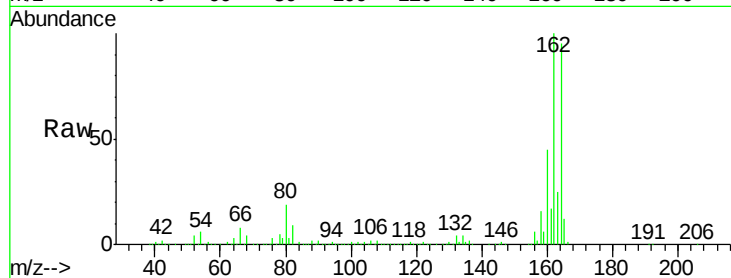
Tgt Ion:165 Resp: 62323

Ion Ratio Lower Upper

165 100

63 1.5 28.8 43.2#

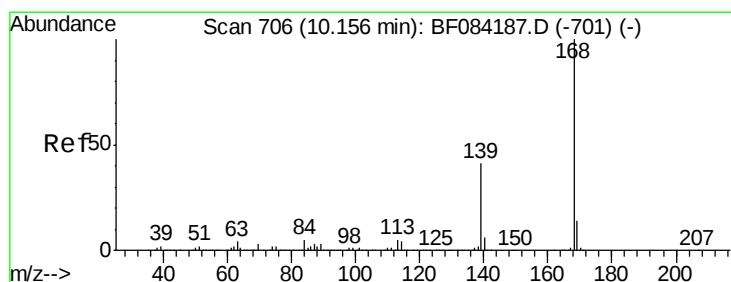
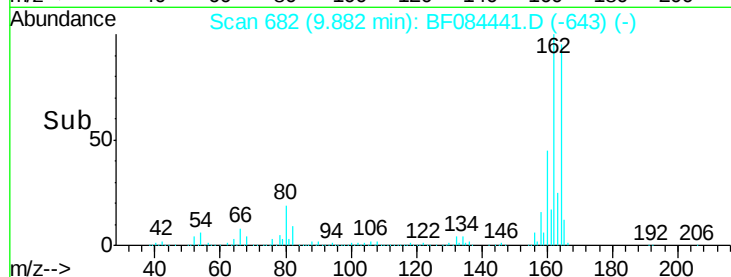
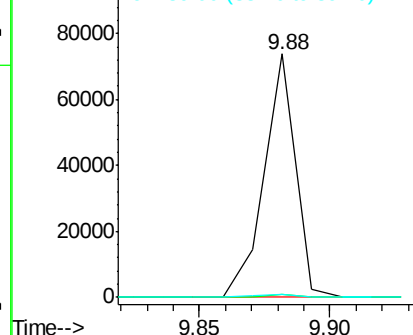
89 1.3 35.1 52.7#



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: 10.08 min Scan# 699

Delta R.T. -0.08 min

Lab File: BF084441.D

Acq: 13 Jan 2016 6:06

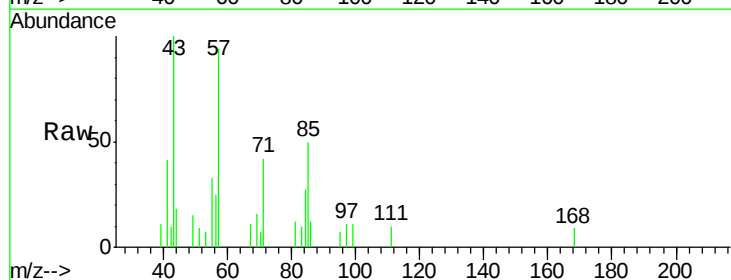
Tgt Ion:168 Resp: 281

Ion Ratio Lower Upper

168 100

139 0.0 30.5 45.7#

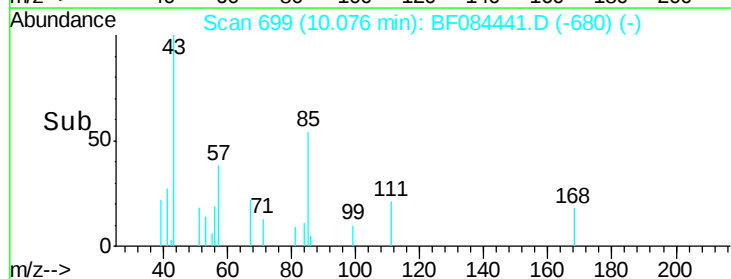
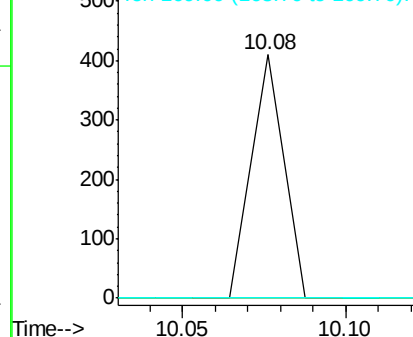
169 0.0 10.4 15.6#

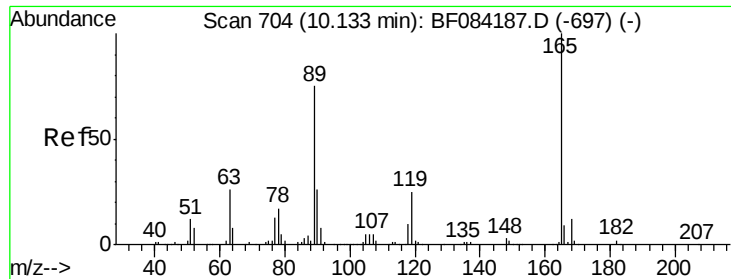


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

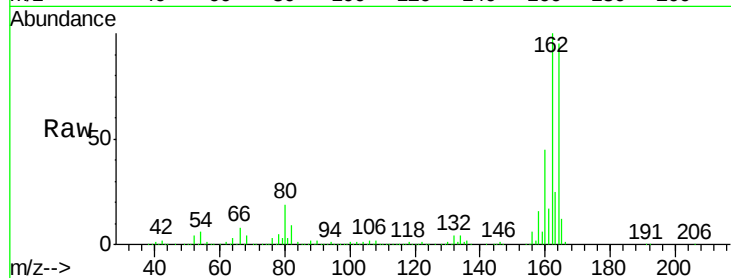




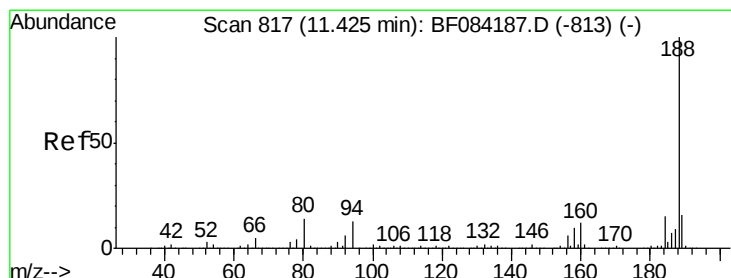
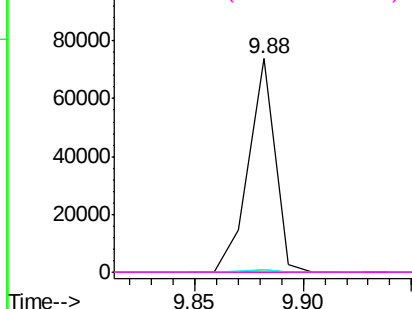
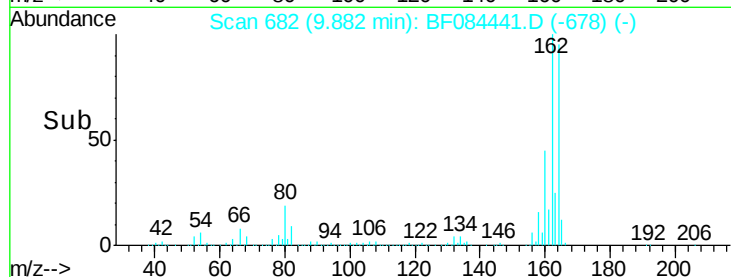
#56
 2,4-Dinitrotoluene
 Concen: 6.55 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.25 min
 Lab File: BF084441.D
 Acq: 13 Jan 2016 6:06

Instrument :
 BNA_F
 ClientSampled :
 TE-PMW-9S

Tgt Ion:165 Resp: 62326
 Ion Ratio Lower Upper
 165 100
 63 1.5 36.7 55.1#
 89 1.3 61.9 92.9#
 182 0.0 2.0 3.0#

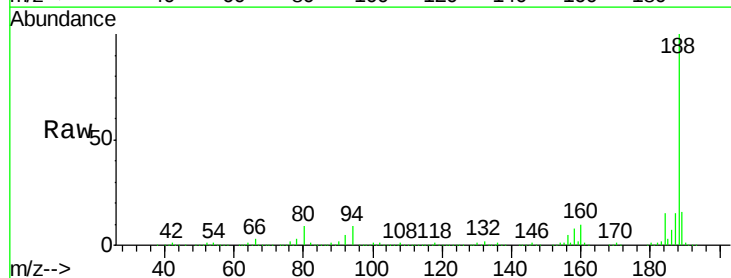


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

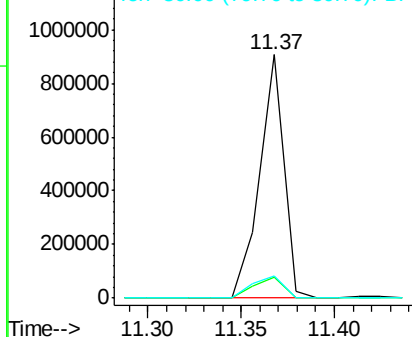
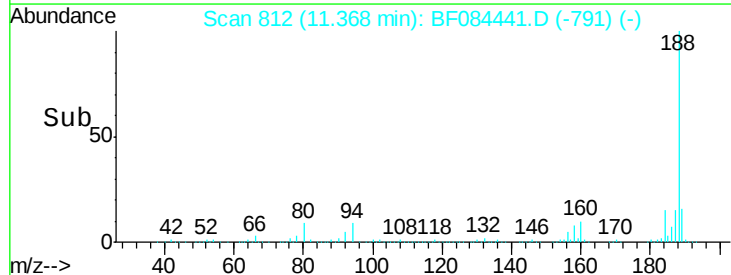


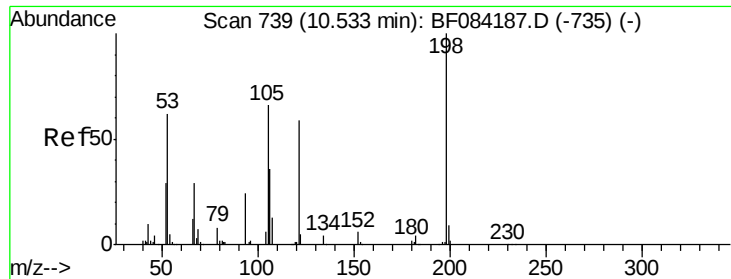
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 812
 Delta R.T. -0.06 min
 Lab File: BF084441.D
 Acq: 13 Jan 2016 6:06

Tgt Ion:188 Resp: 813197
 Ion Ratio Lower Upper
 188 100
 94 8.7 9.0 13.4#
 80 9.0 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: 6.56 ng

RT: 10.67 min Scan# 751

Delta R.T. 0.14 min

Lab File: BF084441.D

Acq: 13 Jan 2016 6:06

Instrument :

BNA_F

ClientSampleId :

TE-PMW-9S

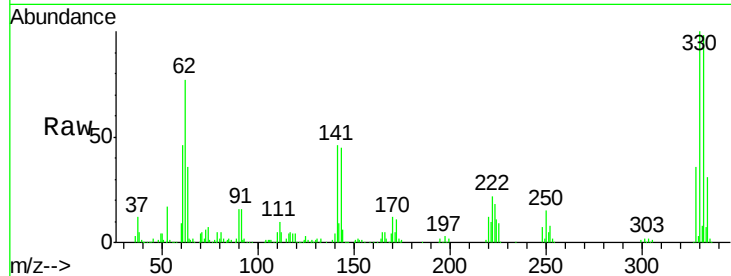
Tgt Ion:198 Resp: 926

Ion Ratio Lower Upper

198 100

51 211.7 18.9 58.9#

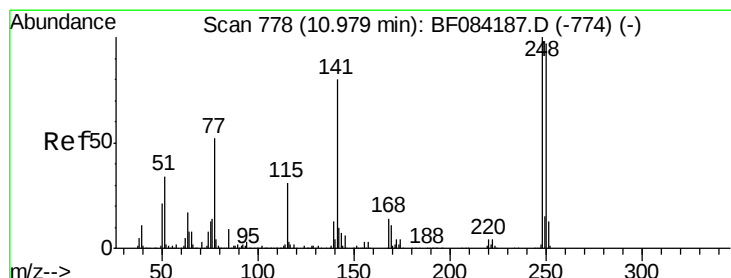
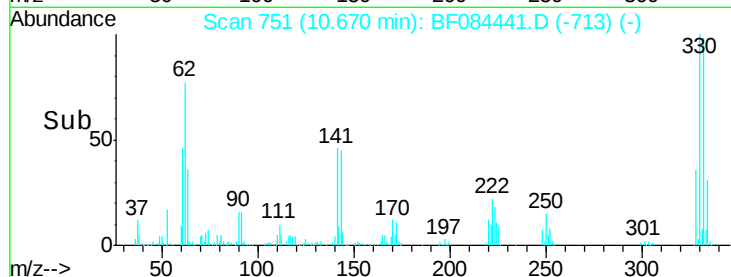
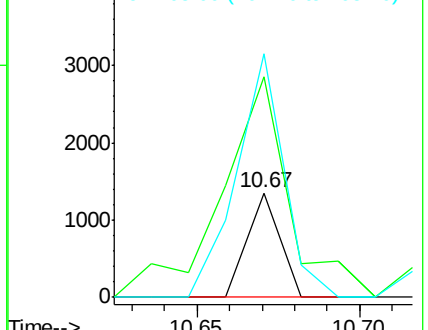
105 233.3 26.4 66.4#



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: 3.79 ng

RT: 10.67 min Scan# 751

Delta R.T. -0.31 min

Lab File: BF084441.D

Acq: 13 Jan 2016 6:06

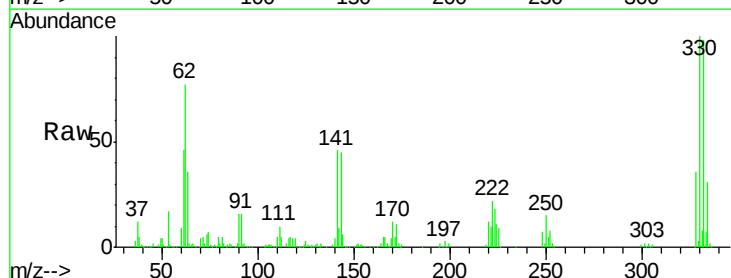
Tgt Ion:248 Resp: 33152

Ion Ratio Lower Upper

248 100

250 202.2 78.4 117.6#

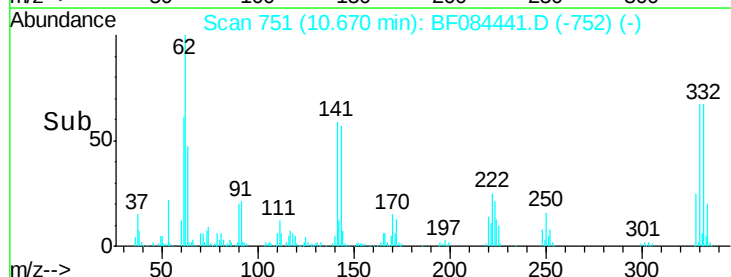
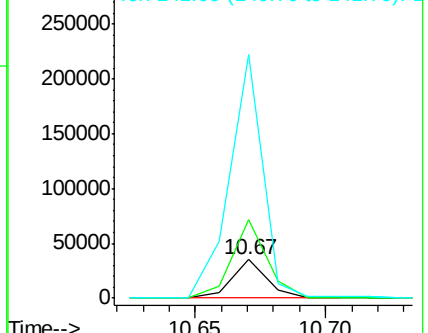
141 628.9 44.0 66.0#

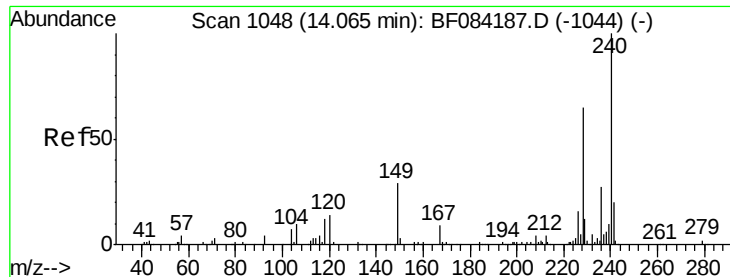


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.07 min

Lab File: BF084441.D

Acq: 13 Jan 2016 6:06

Instrument :

BNA_F

ClientSampleId :

TE-PMW-9S

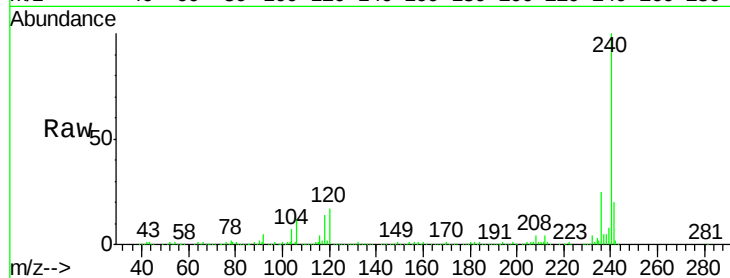
Tgt Ion:240 Resp: 509631

Ion Ratio Lower Upper

240 100

120 17.3 9.5 14.3#

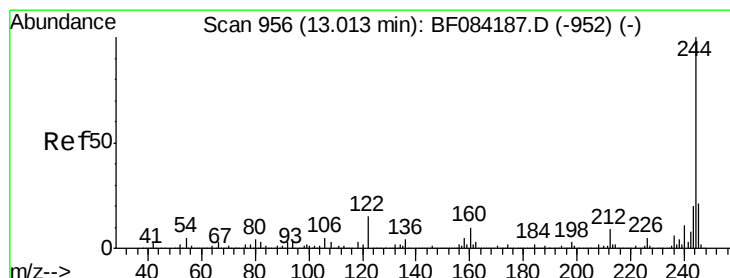
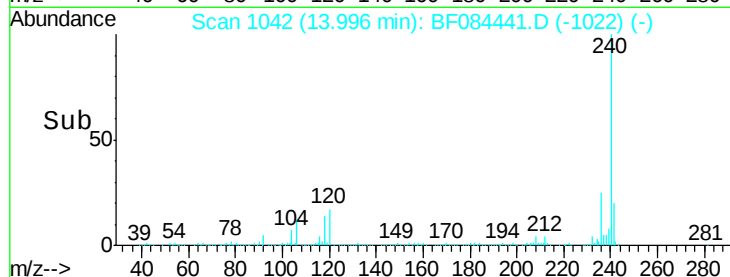
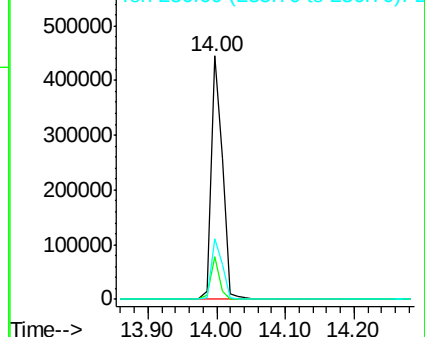
236 24.9 20.6 31.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 90.12 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.06 min

Lab File: BF084441.D

Acq: 13 Jan 2016 6:06

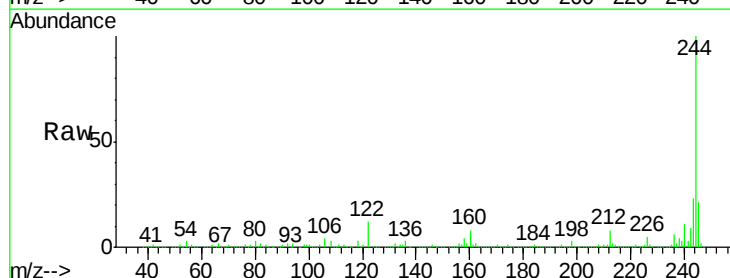
Tgt Ion:244 Resp: 2057620

Ion Ratio Lower Upper

244 100

212 7.7 5.7 8.5

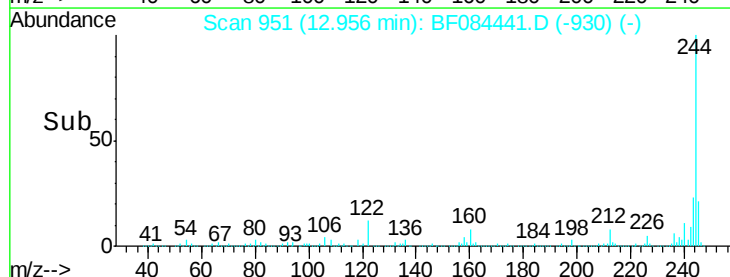
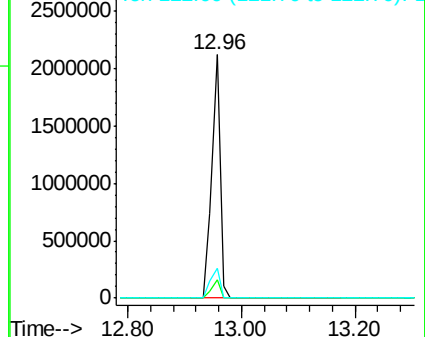
122 12.3 7.4 11.0#

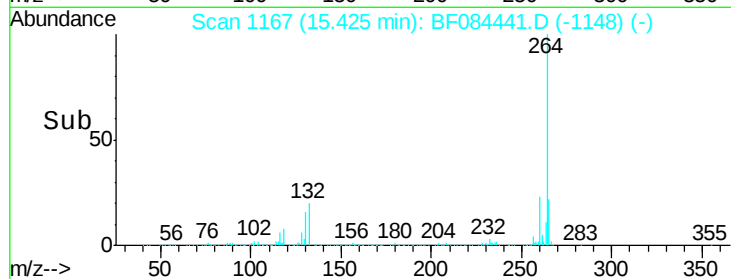
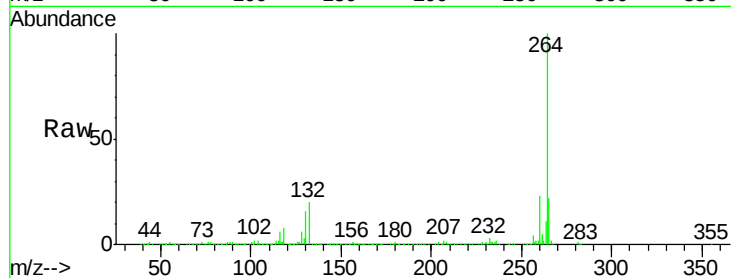
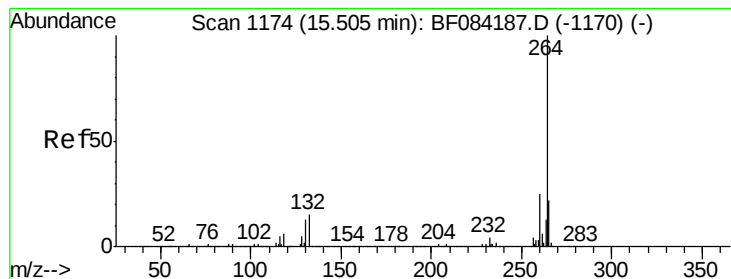


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF084441.D

Acq: 13 Jan 2016 6:06

Instrument :

BNA_F

ClientSampleId :

TE-PMW-9S

Tgt Ion: 264 Resp: 462438

Ion Ratio Lower Upper

264 100

260 23.3 19.4 29.2

265 22.5 17.8 26.6

