

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011216\
 Data File : BF084431.D
 Acq On : 13 Jan 2016 1:29
 Operator : SJ/UM
 Sample : H1078-12
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TE-PMW-PCB

Quant Time: Jan 13 02:23:06 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	270360	20.00	ng	-0.06
21) Naphthalene-d8	8.13	136	1024234	20.00	ng	-0.06
38) Acenaphthene-d10	9.88	164	470963	20.00	ng	-0.07
63) Phenanthrene-d10	11.37	188	822251	20.00	ng	-0.06
75) Chrysene-d12	14.00	240	513714	20.00	ng	-0.07
86) Perylene-d12	15.42	264	453002	20.00	ng	-0.08

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1106451	66.20	ng	-0.05
7) Phenol-d6	6.48	99	828714	39.48	ng	-0.06
23) Nitrobenzene-d5	7.41	82	1777744	96.60	ng	-0.06
41) 2,4,6-Tribromophenol	10.67	330	586425	123.33	ng	-0.07
44) 2-Fluorobiphenyl	9.21	172	2385544	89.44	ng	-0.06
78) Terphenyl-d14	12.96	244	1959495	85.14	ng	-0.06

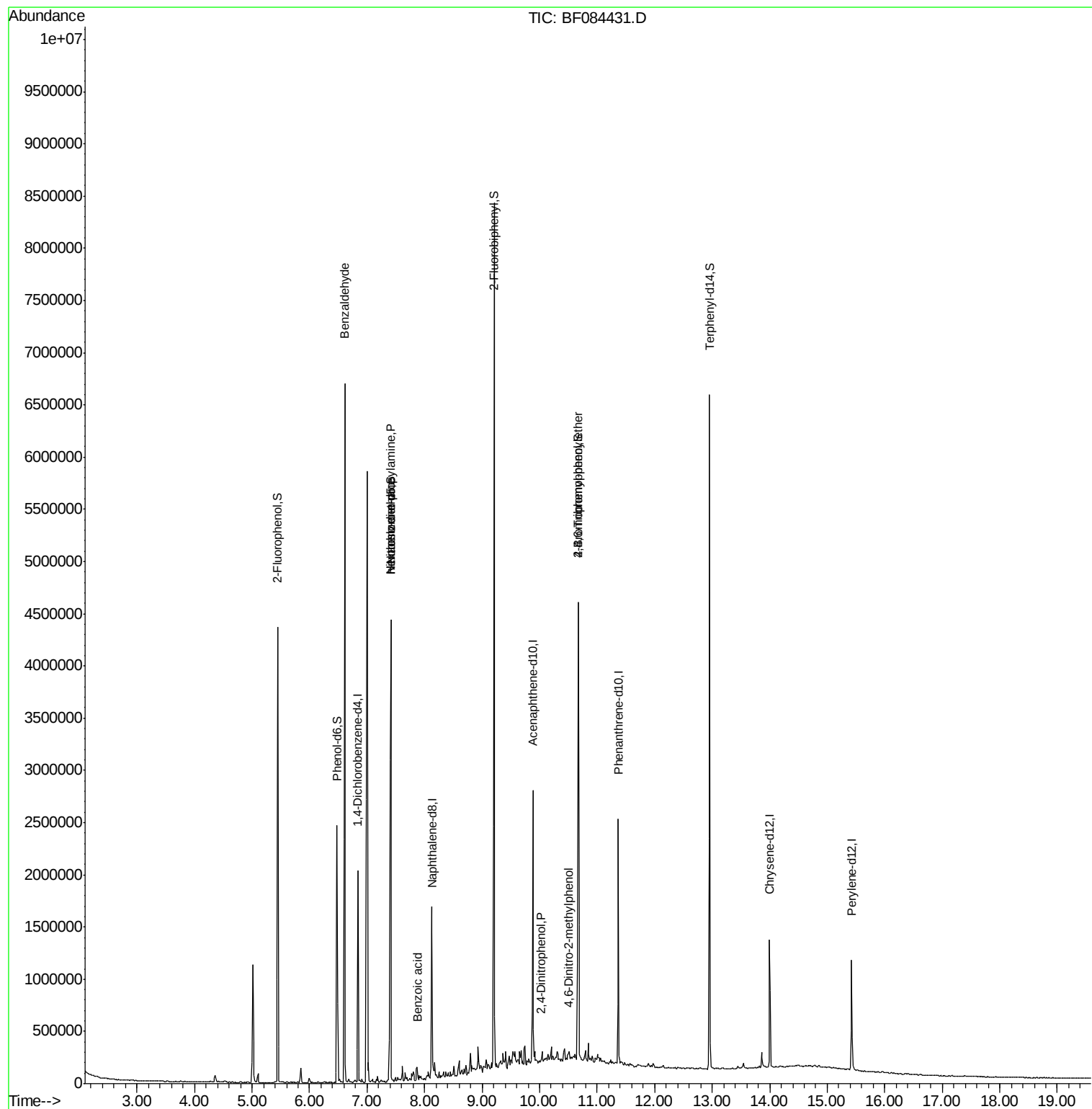
Target Compounds						Qvalue
9) Benzaldehyde	6.61	77	43361	3.17	ng	# 76
18) Hexachloroethane	7.41	117	67363	8.59	ng	# 5
19) n-Nitroso-di-n-propylamine	7.41	70	247441	17.41	ng	# 77
32) Benzoic acid	7.87	122	2781	6.47	ng	# 1
53) 2,4-Dinitrophenol	10.03	184	1676	4.07	ng	# 85
54) Dibenzofuran	10.09	168	2537	Below Cal		# 2
57) Fluorene	10.43	166	30378	Below Cal		# 96
60) 4-Chlorophenyl-phenylether	10.41	204	1483	Below Cal		# 65
64) 4,6-Dinitro-2-methylphenol	10.51	198	2206	6.74	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	35363	4.00	ng	# 1
73) Di-n-butylphthalate	11.94	149	4656	Below Cal		# 66

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

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Quant Time: Jan 13 02:23:06 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.06 min

Lab File: BF084431.D

Acq: 13 Jan 2016 1:29

Instrument :

BNA_F

ClientSampleId :

TE-PMW-PCB

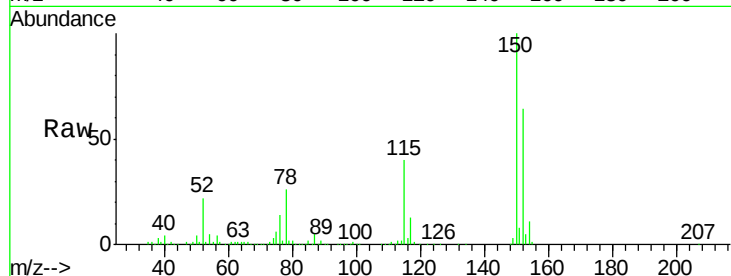
Tgt Ion:152 Resp: 270360

Ion Ratio Lower Upper

152 100

150 156.9 123.0 184.4

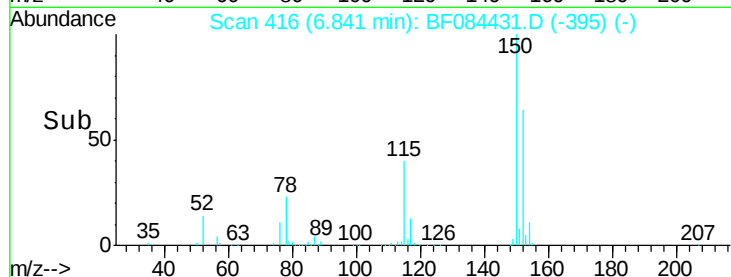
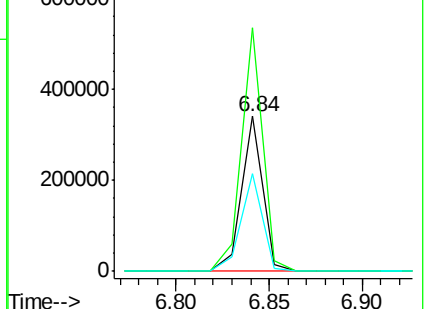
115 62.8 51.4 77.2



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: 66.20 ng

RT: 5.45 min Scan# 294

Delta R.T. -0.05 min

Lab File: BF084431.D

Acq: 13 Jan 2016 1:29

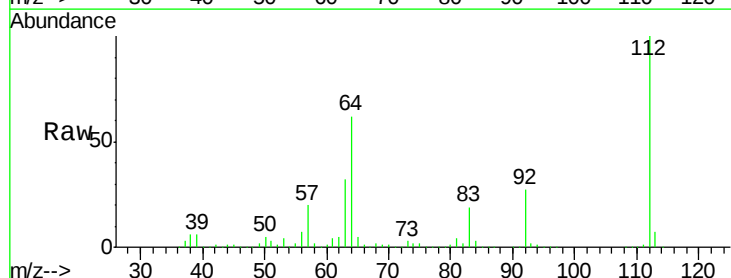
Tgt Ion:112 Resp: 1106451

Ion Ratio Lower Upper

112 100

64 62.1 36.6 55.0#

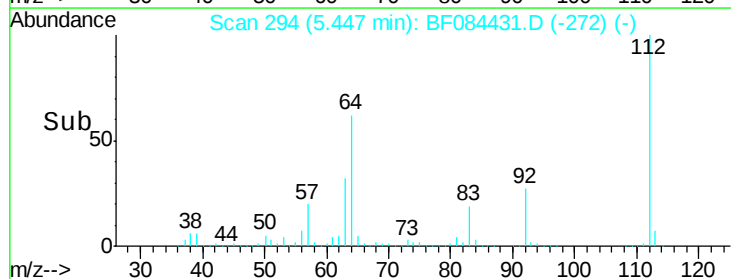
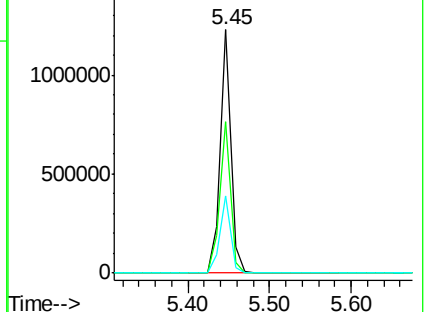
63 31.8 19.4 29.0#

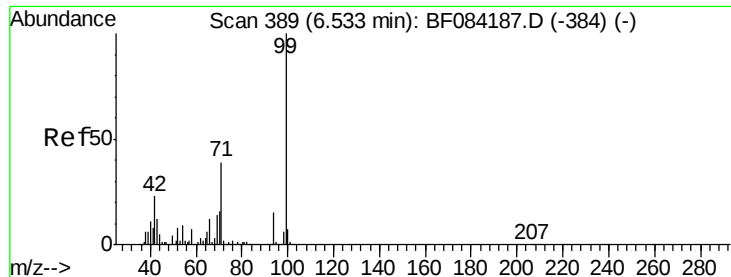


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 39.48 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.06 min

Lab File: BF084431.D

Acq: 13 Jan 2016 1:29

Instrument :

BNA_F

ClientSampled :

TE-PMW-PCB

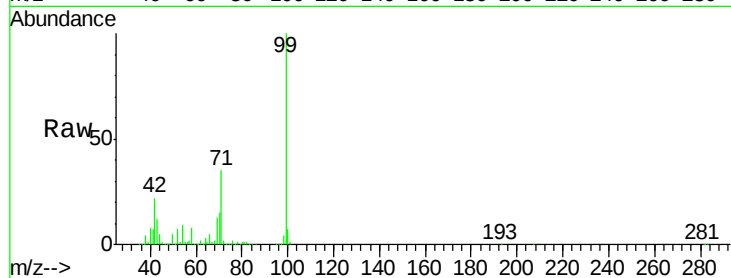
Tgt Ion: 99 Resp: 828714

Ion Ratio Lower Upper

99 100

42 21.9 12.8 19.2#

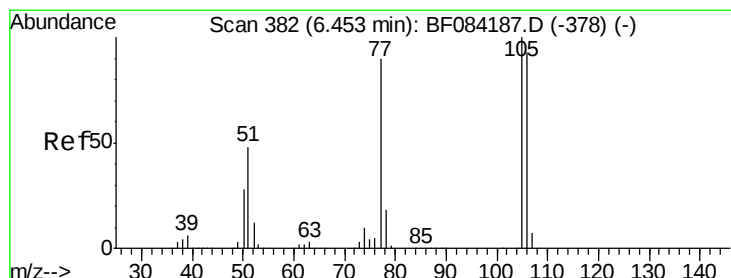
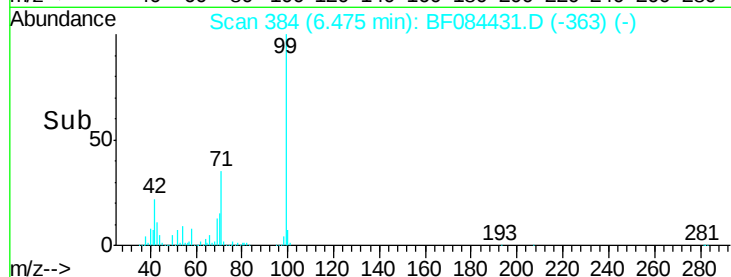
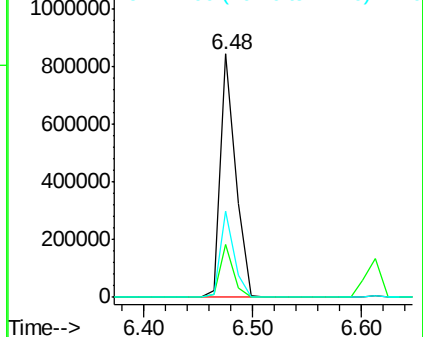
71 35.2 30.9 46.3



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: 3.17 ng

RT: 6.61 min Scan# 396

Delta R.T. 0.16 min

Lab File: BF084431.D

Acq: 13 Jan 2016 1:29

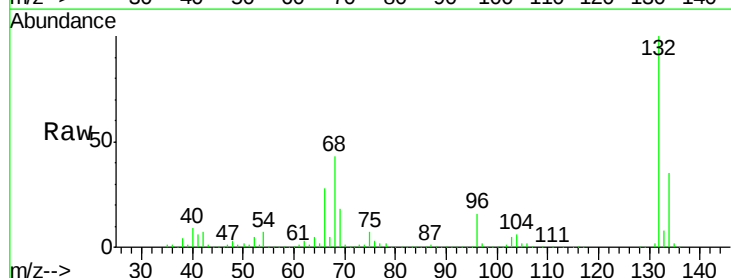
Tgt Ion: 77 Resp: 43361

Ion Ratio Lower Upper

77 100

105 79.3 83.0 123.0#

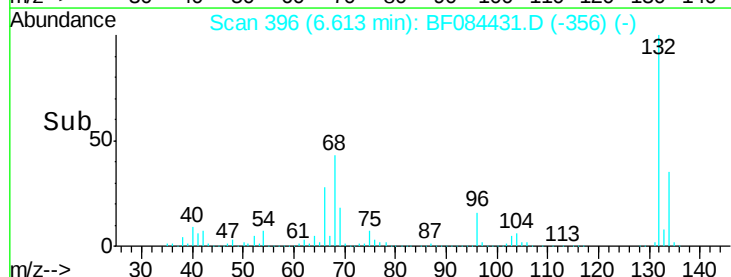
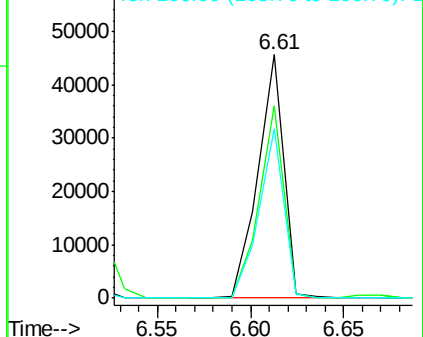
106 69.7 74.6 114.6#

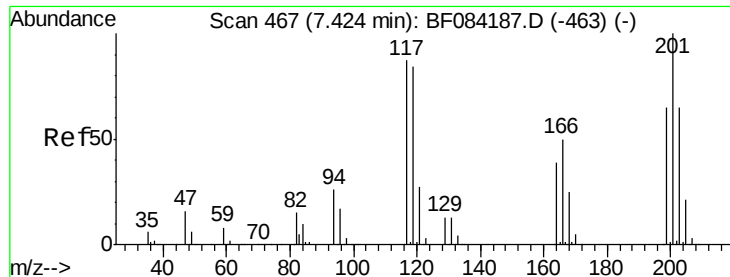


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

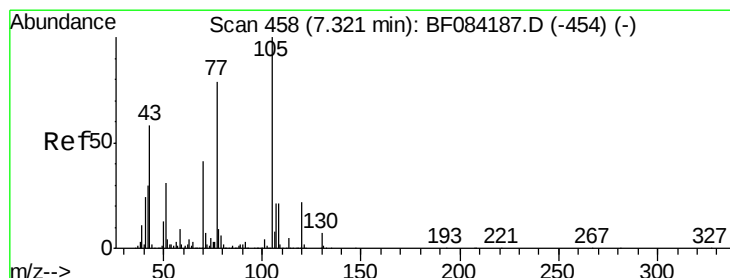
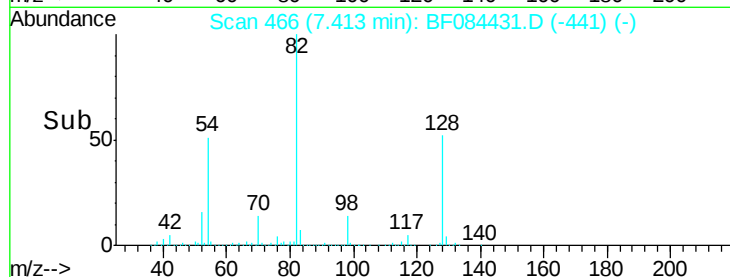
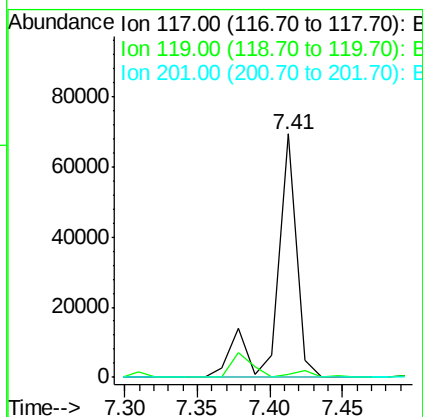
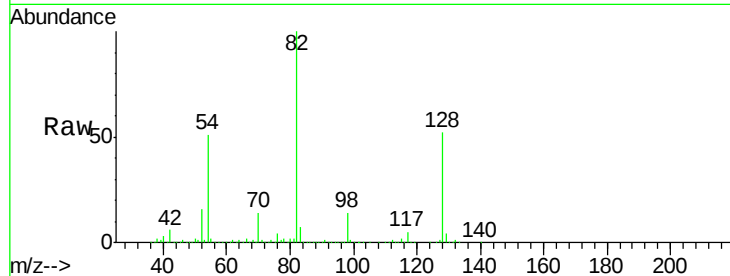




#18
Hexachloroethane
Concen: 8.59 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.01 min
Lab File: BF084431.D
Acq: 13 Jan 2016 1:29

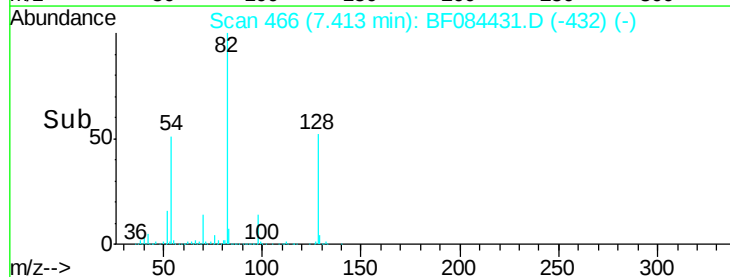
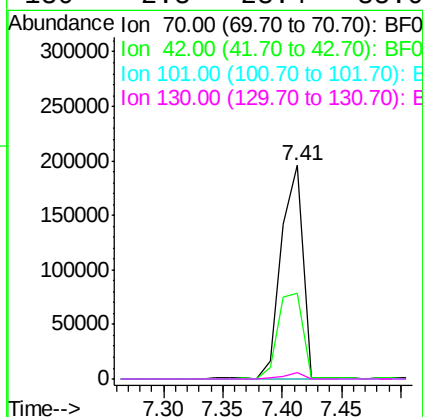
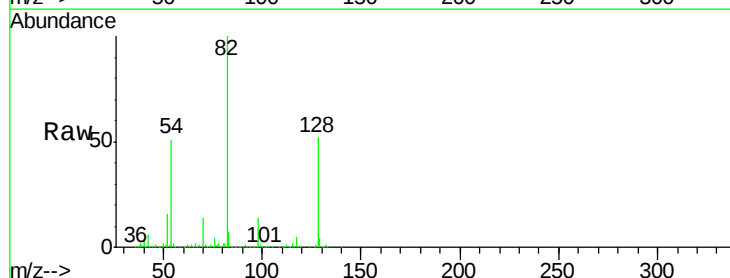
Instrument :
BNA_F
ClientSampleId :
TE-PMW-PCB

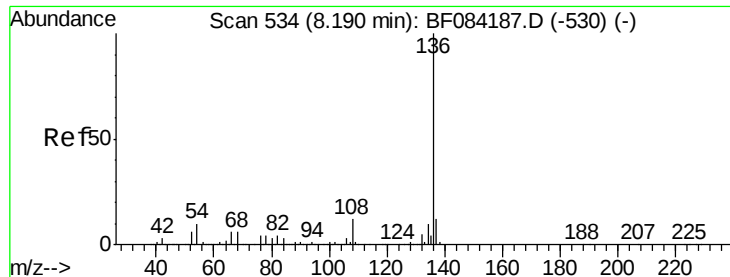
Tgt Ion: 117 Resp: 67363
Ion Ratio Lower Upper
117 100
119 1.3 77.4 116.0#
201 0.0 68.6 103.0#



#19
n-Nitroso-di-n-propylamine
Concen: 17.41 ng
RT: 7.41 min Scan# 466
Delta R.T. 0.09 min
Lab File: BF084431.D
Acq: 13 Jan 2016 1:29

Tgt Ion: 70 Resp: 247441
Ion Ratio Lower Upper
70 100
42 40.2 33.3 49.9
101 0.2 9.3 13.9#
130 2.8 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: BF084431.D

Acq: 13 Jan 2016 1:29

Instrument :

BNA_F

ClientSampleId :

TE-PMW-PCB

Tgt Ion:136 Resp: 1024234

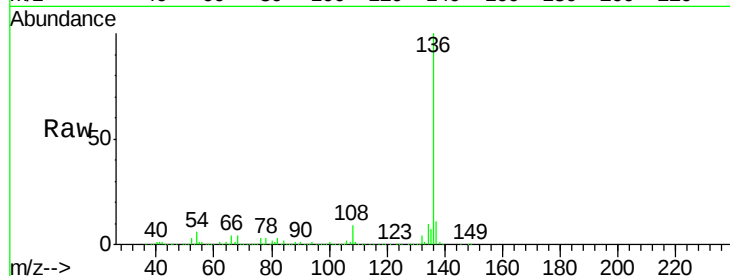
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 5.9 5.8 8.8

68 4.1 4.2 6.2#

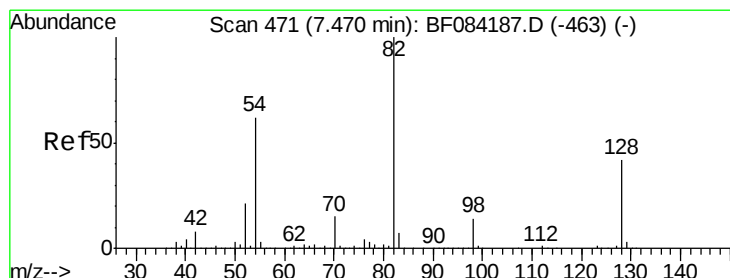
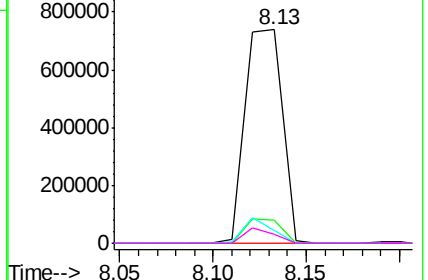
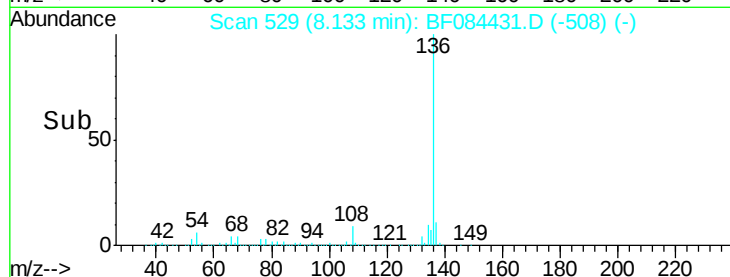


Abundance Ion 136.00 (135.70 to 136.70): E

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: 96.60 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.06 min

Lab File: BF084431.D

Acq: 13 Jan 2016 1:29

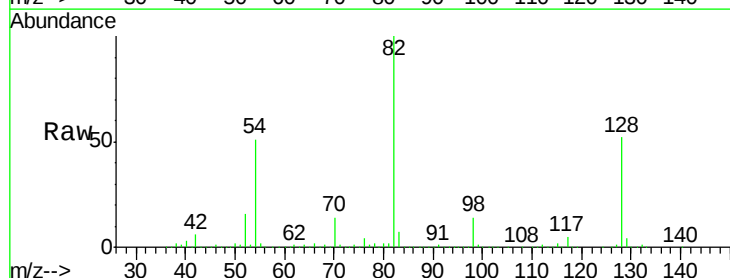
Tgt Ion: 82 Resp: 1777744

Ion Ratio Lower Upper

82 100

128 52.1 34.6 51.8#

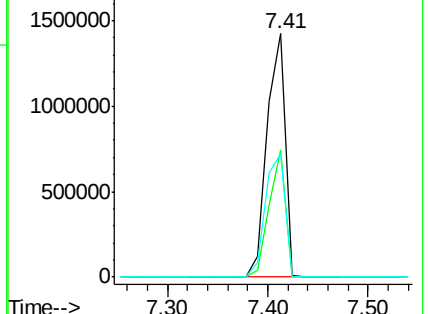
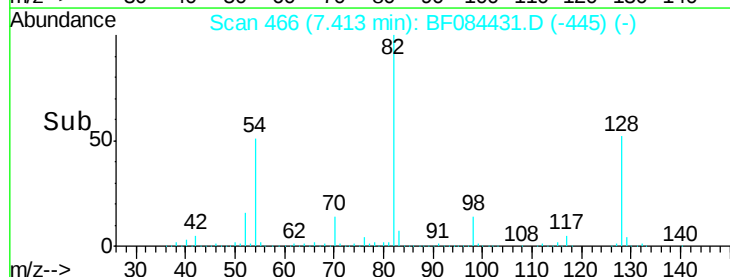
54 50.8 38.4 57.6

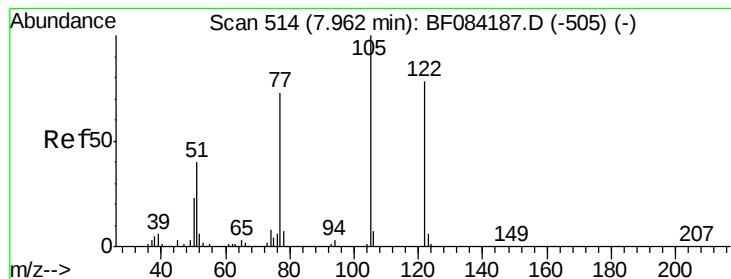


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#32

Benzoic acid

Concen: 6.47 ng

RT: 7.87 min Scan# 506

Delta R.T. -0.09 min

Lab File: BF084431.D

Acq: 13 Jan 2016 1:29

Instrument :

BNA_F

ClientSampleId :

TE-PMW-PCB

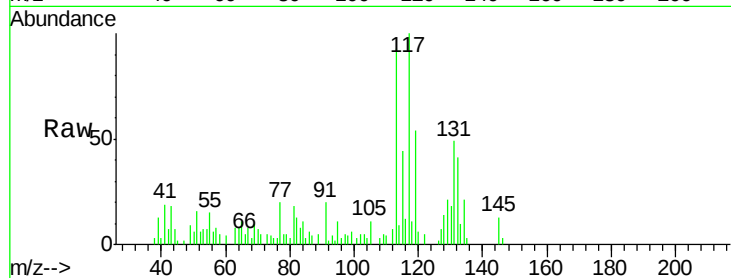
Tgt Ion:122 Resp: 2781

Ion Ratio Lower Upper

122 100

105 202.5 100.3 140.3#

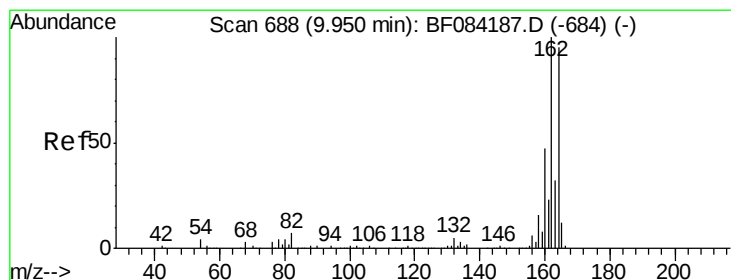
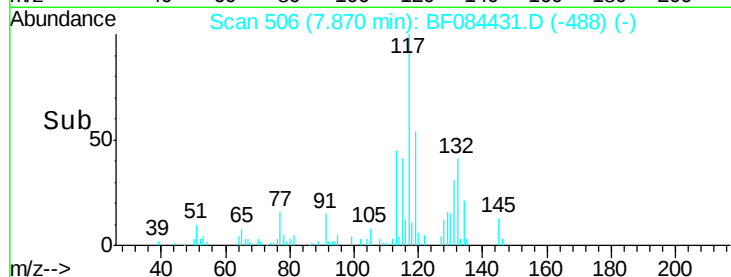
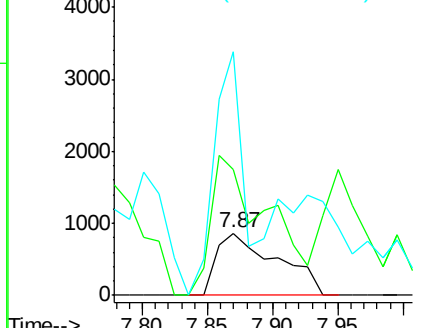
77 390.8 63.5 103.5#



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: BF084431.D

Acq: 13 Jan 2016 1:29

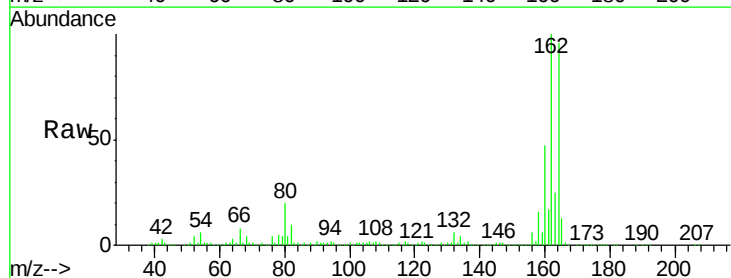
Tgt Ion:164 Resp: 470963

Ion Ratio Lower Upper

164 100

162 104.1 85.1 127.7

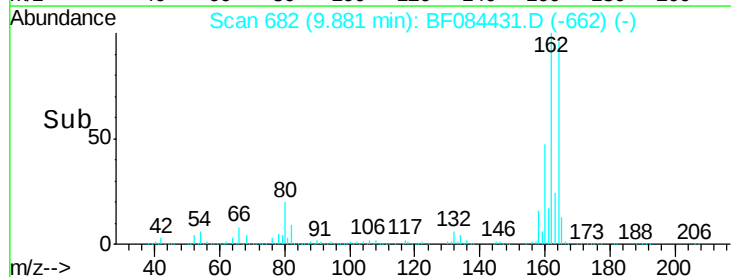
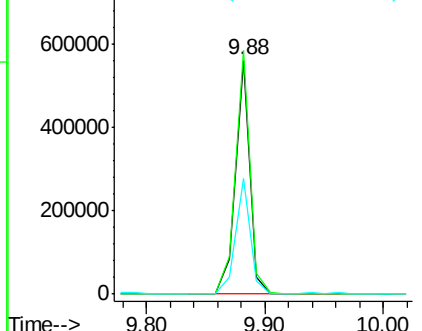
160 49.4 37.5 56.3

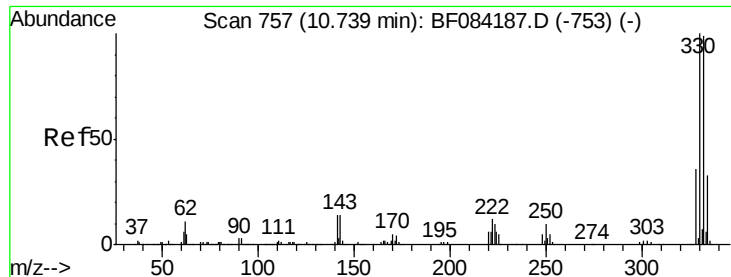


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

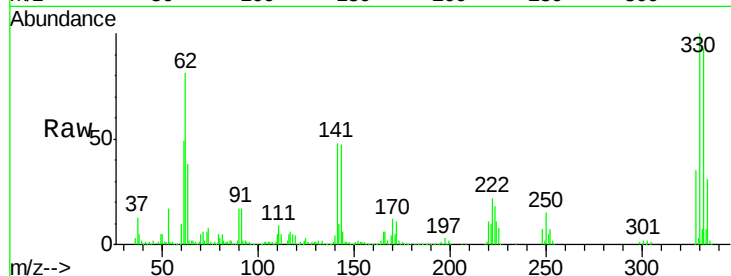




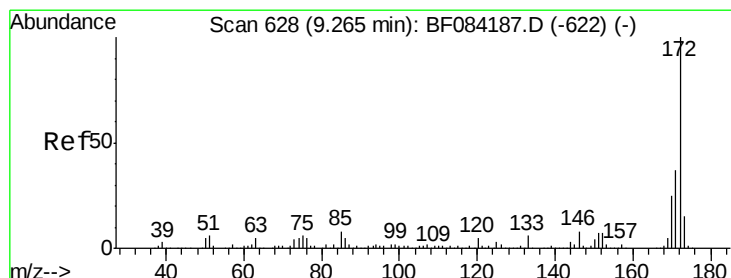
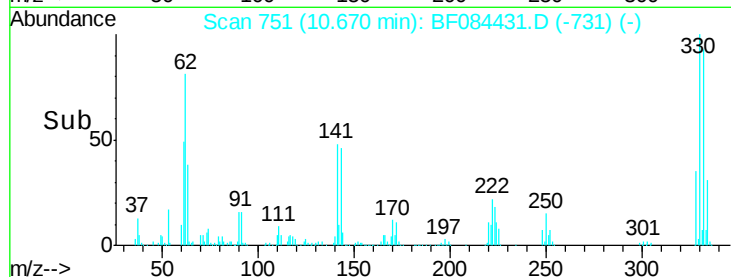
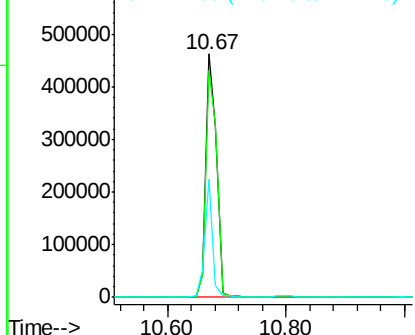
#41
 2,4,6-Tribromophenol
 Concen: 123.33 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.07 min
 Lab File: BF084431.D
 Acq: 13 Jan 2016 1:29

Instrument :
 BNA_F
 ClientSampleId :
 TE-PMW-PCB

Tgt Ion:330 Resp: 586425
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.6 114.8
 141 35.2 27.8 41.6

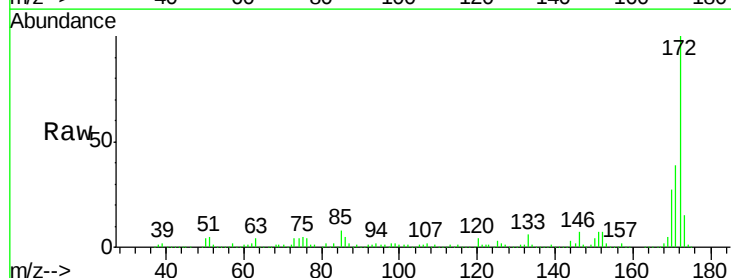


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

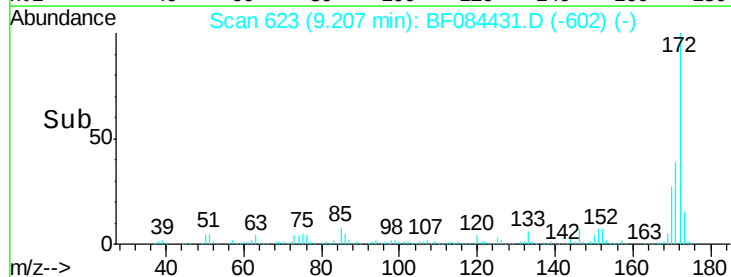
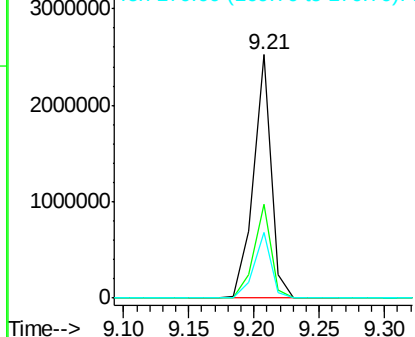


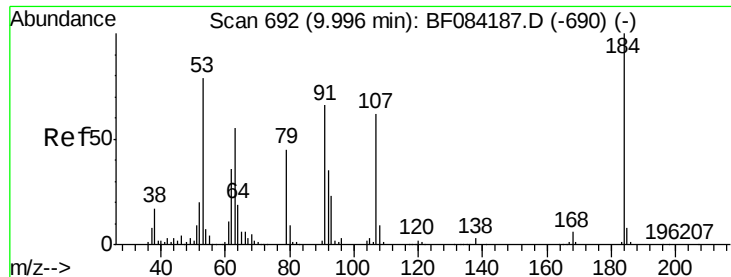
#44
 2-Fluorobiphenyl
 Concen: 89.44 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.06 min
 Lab File: BF084431.D
 Acq: 13 Jan 2016 1:29

Tgt Ion:172 Resp: 2385544
 Ion Ratio Lower Upper
 172 100
 171 38.6 28.9 43.3
 170 26.9 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

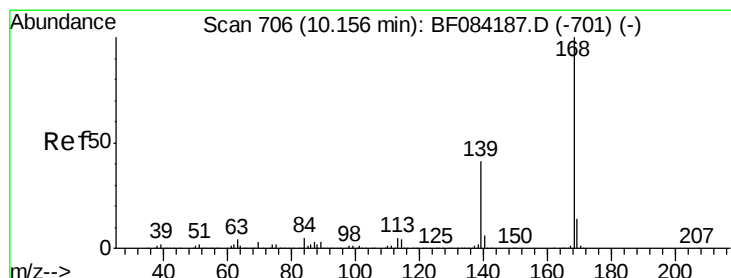
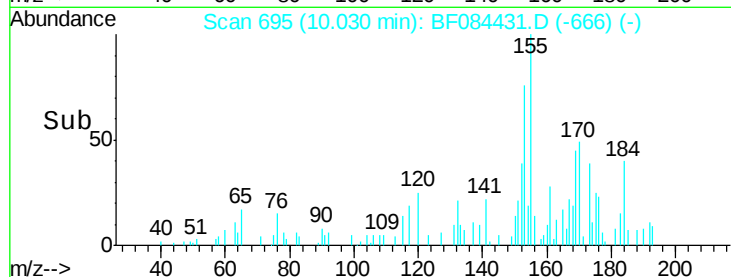
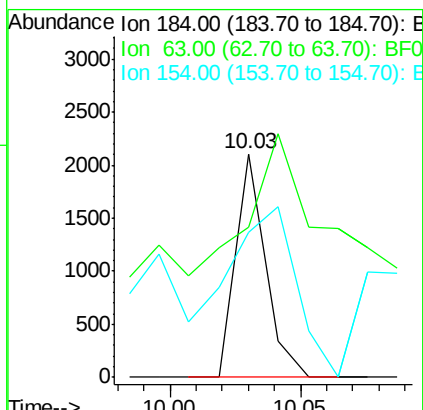
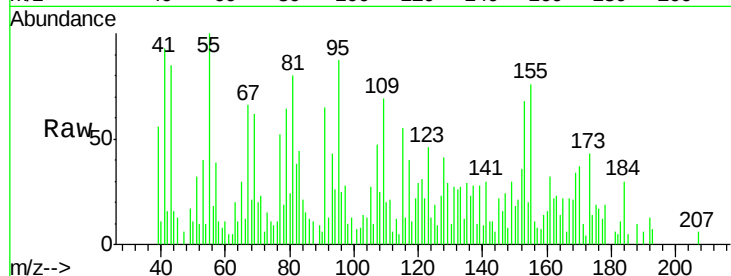




#53
2,4-Dinitrophenol
Concen: 4.07 ng
RT: 10.03 min Scan# 695
Delta R.T. 0.03 min
Lab File: BF084431.D
Acq: 13 Jan 2016 1:29

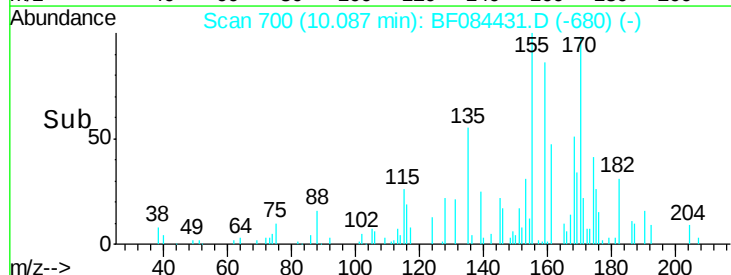
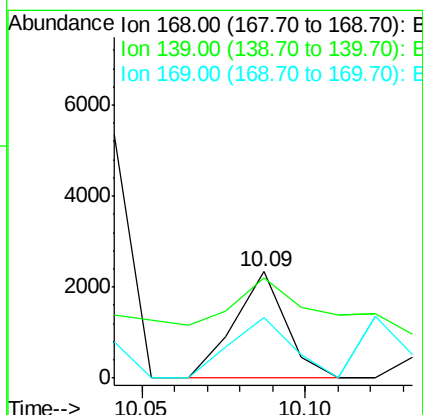
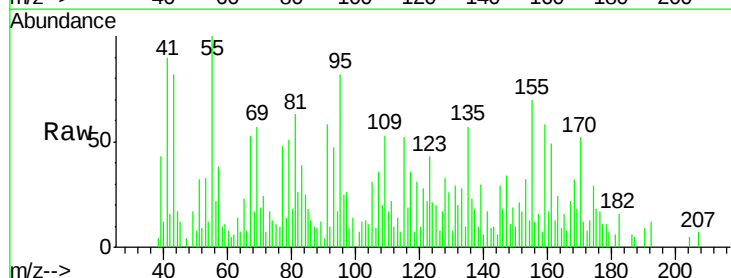
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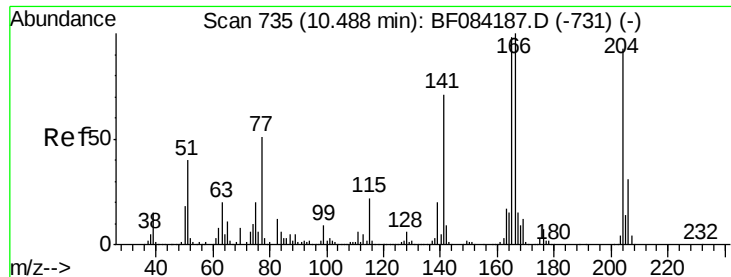
Tgt Ion:184 Resp: 1676
Ion Ratio Lower Upper
184 100
63 67.5 43.1 64.7#
154 64.8 60.5 90.7



#54
Dibenzofuran
Concen: Below Cal
RT: 10.09 min Scan# 700
Delta R.T. -0.07 min
Lab File: BF084431.D
Acq: 13 Jan 2016 1:29

Tgt Ion:168 Resp: 2537
Ion Ratio Lower Upper
168 100
139 94.9 30.5 45.7#
169 57.0 10.4 15.6#

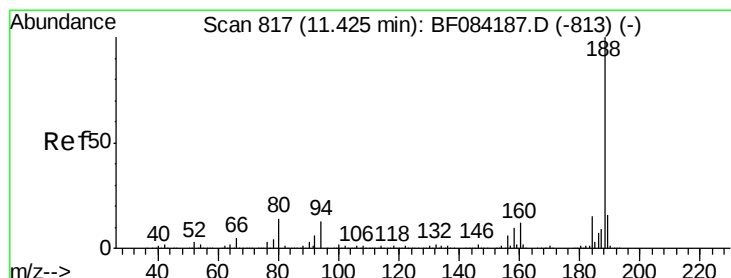
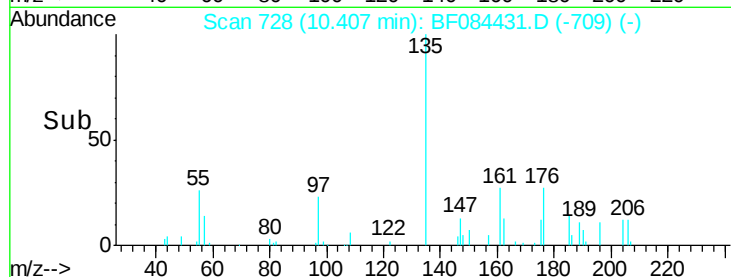
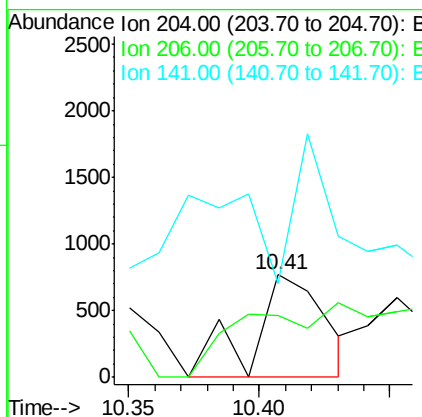
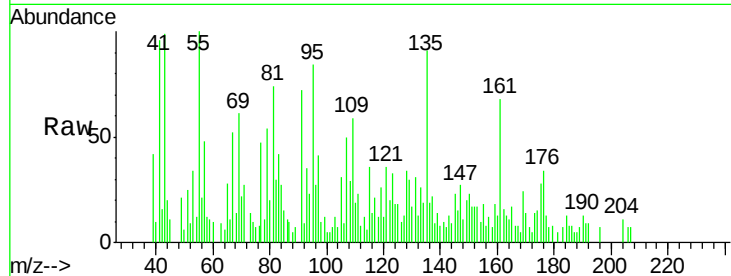




#60
 4-Chlorophenyl-phenylether
 Concen: Below Cal
 RT: 10.41 min Scan# 728
 Delta R.T. -0.08 min
 Lab File: BF084431.D
 Acq: 13 Jan 2016 1:29

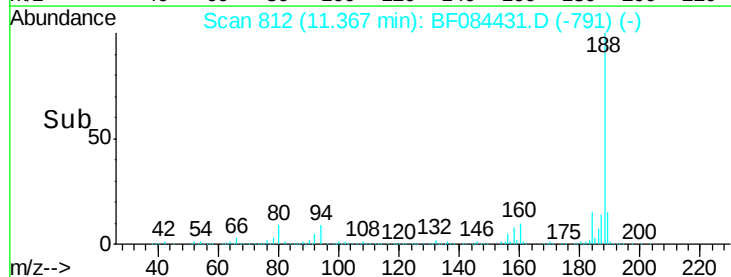
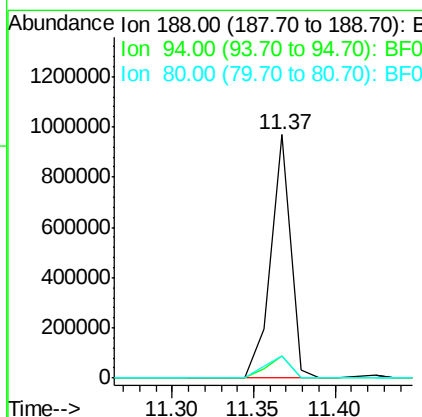
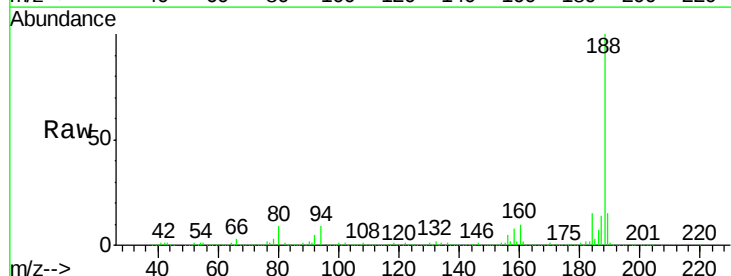
Instrument :
 BNA_F
 ClientSampleId :
 TE-PMW-PCB

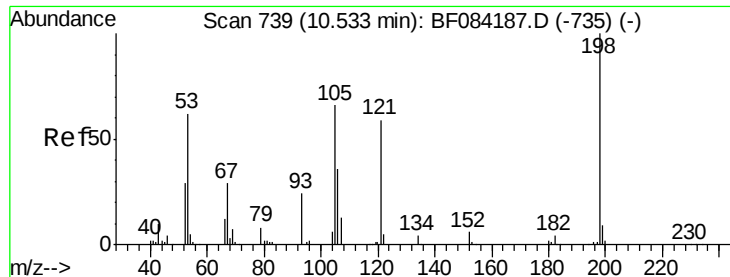
Tgt Ion: 204 Resp: 1483
 Ion Ratio Lower Upper
 204 100
 206 59.9 25.7 38.5#
 141 91.8 55.1 82.7#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 812
 Delta R.T. -0.06 min
 Lab File: BF084431.D
 Acq: 13 Jan 2016 1:29

Tgt Ion: 188 Resp: 822251
 Ion Ratio Lower Upper
 188 100
 94 9.3 9.0 13.4
 80 9.3 9.6 14.4#

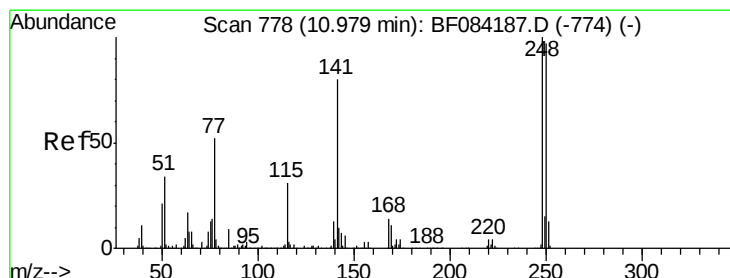
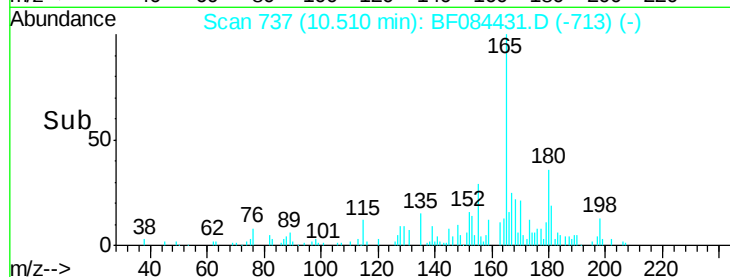
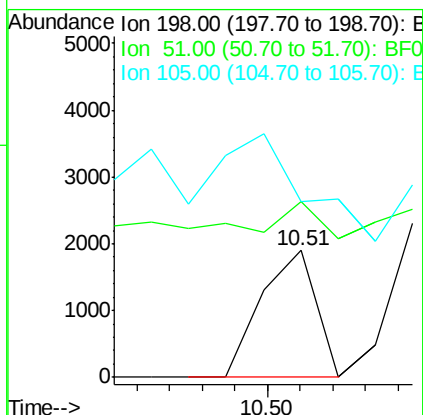
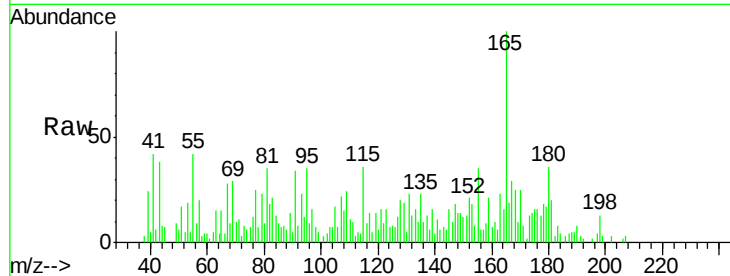




#64
4,6-Dinitro-2-methylphenol
Concen: 6.74 ng
RT: 10.51 min Scan# 737
Delta R.T. -0.02 min
Lab File: BF084431.D
Acq: 13 Jan 2016 1:29

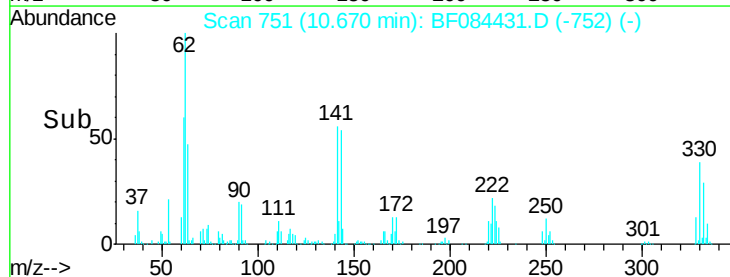
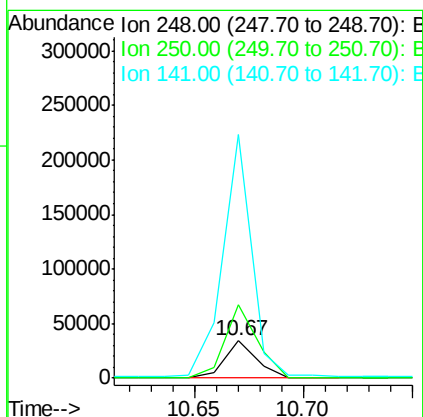
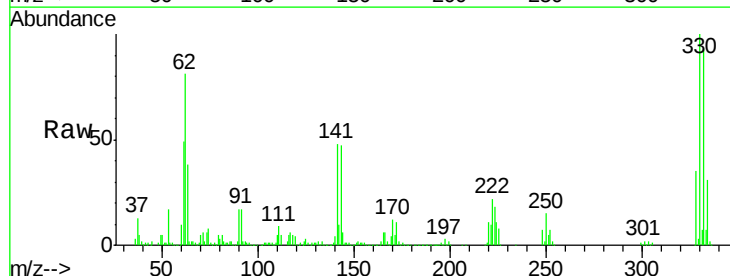
Instrument :
BNA_F
ClientSampleId :
TE-PMW-PCB

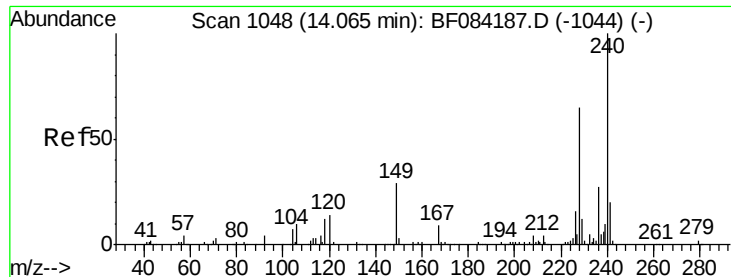
Tgt Ion:198 Resp: 2206
Ion Ratio Lower Upper
198 100
51 138.8 18.9 58.9#
105 138.6 26.4 66.4#



#66
4-Bromophenyl-phenylether
Concen: 4.00 ng
RT: 10.67 min Scan# 751
Delta R.T. -0.31 min
Lab File: BF084431.D
Acq: 13 Jan 2016 1:29

Tgt Ion:248 Resp: 35363
Ion Ratio Lower Upper
248 100
250 196.8 78.4 117.6#
141 651.0 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: BF084431.D

Acq: 13 Jan 2016 1:29

Instrument :

BNA_F

ClientSampleId :

TE-PMW-PCB

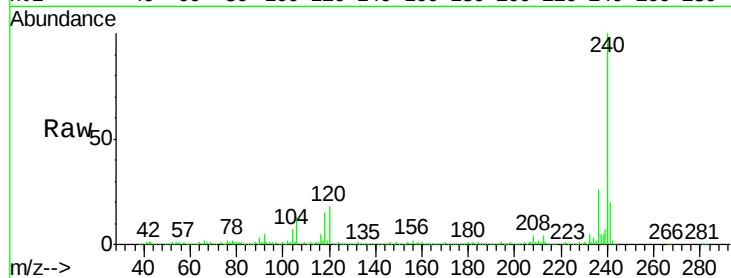
Tgt Ion:240 Resp: 513714

Ion Ratio Lower Upper

240 100

120 17.7 9.5 14.3#

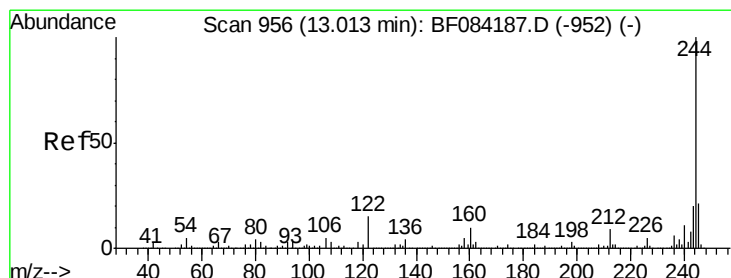
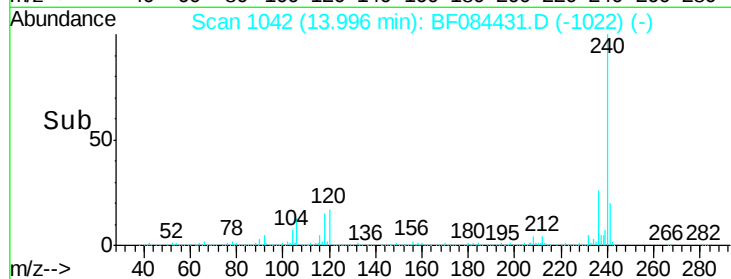
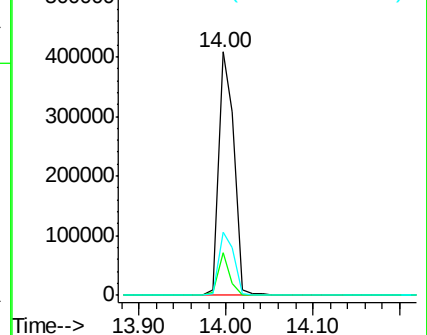
236 25.7 20.6 31.0



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: 85.14 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.06 min

Lab File: BF084431.D

Acq: 13 Jan 2016 1:29

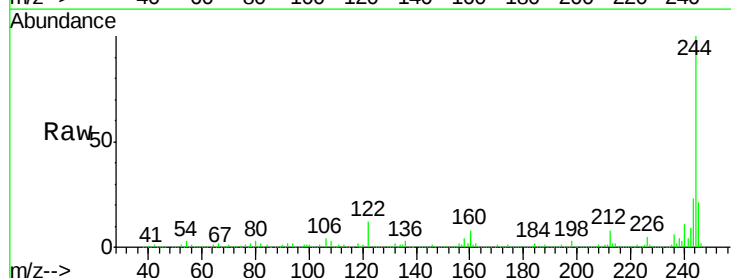
Tgt Ion:244 Resp: 1959495

Ion Ratio Lower Upper

244 100

212 7.5 5.7 8.5

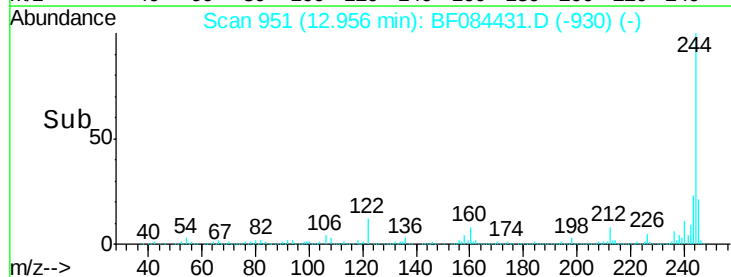
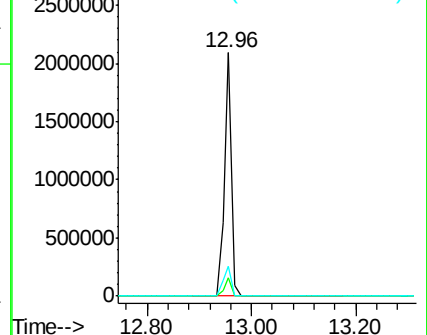
122 12.4 7.4 11.0#

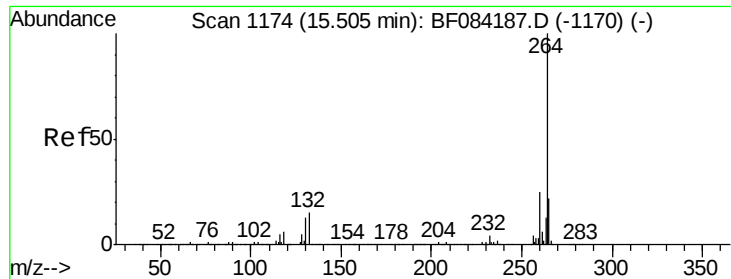


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

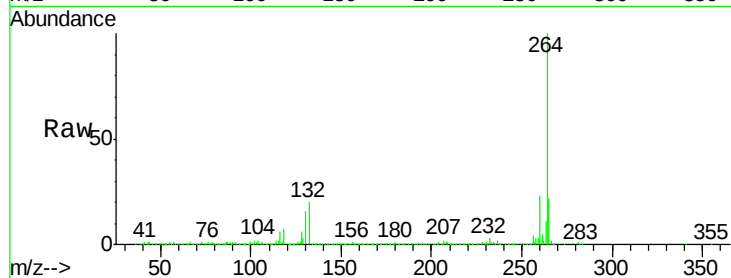




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.42 min Scan# 1167
Delta R.T. -0.08 min
Lab File: BF084431.D
Acq: 13 Jan 2016 1:29

Instrument :
BNA_F
ClientSampleId :
TE-PMW-PCB

Tgt Ion: 264 Resp: 453002
Ion Ratio Lower Upper
264 100
260 22.8 19.4 29.2
265 21.7 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

