

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011916\
 Data File : BF084546.D
 Acq On : 19 Jan 2016 11:43
 Operator : SJ/UM
 Sample : PB87733BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB87733BL

Quant Time: Jan 19 17:25:37 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 19 17:05:27 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	248871	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	1048405	20.00	ng	-0.01
38) Acenaphthene-d10	9.84	164	515061	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	941242	20.00	ng	-0.01
75) Chrysene-d12	13.95	240	936402	20.00	ng	-0.01
86) Perylene-d12	15.36	264	725472	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	1563826	101.64	ng	0.01
7) Phenol-d6	6.44	99	2235733	115.70	ng	0.00
23) Nitrobenzene-d5	7.36	82	1197300	63.56	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	599038	115.20	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	2435727	83.05	ng	0.00
78) Terphenyl-d14	12.91	244	2561144	61.05	ng	0.00

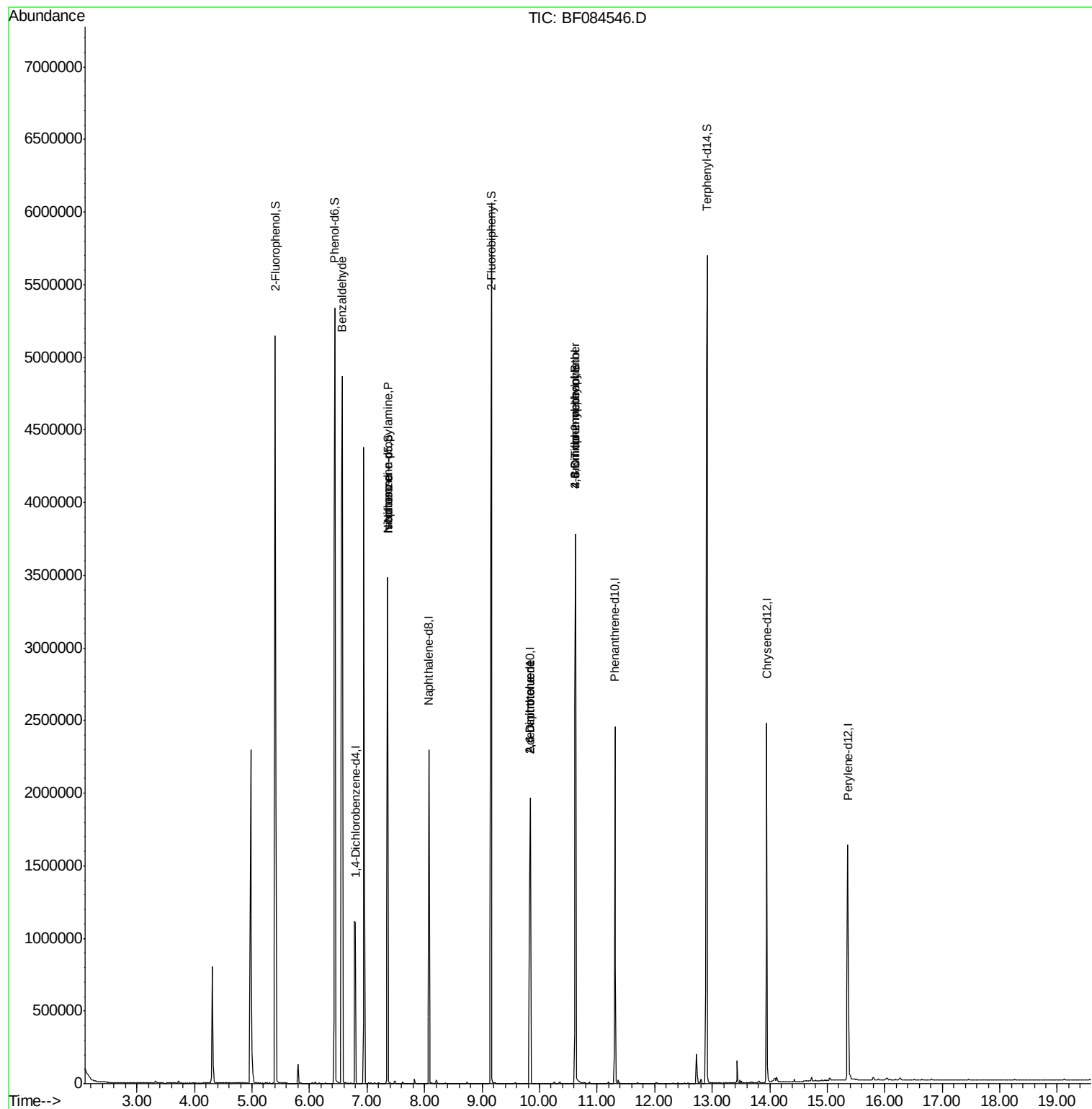
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	41423	3.29	ng	87
19) n-Nitroso-di-n-propylamine	7.36	70	161663	12.36	ng	# 70
25) Isophorone	7.36	82	937830	26.03	ng	# 66
50) 2,6-Dinitrotoluene	9.84	165	66809	8.27	ng	# 37
56) 2,4-Dinitrotoluene	9.84	165	66809	6.54	ng	# 21
57) Fluorene	10.62	166	24952	Below Cal		# 93
64) 4,6-Dinitro-2-methylphenol	10.62	198	1390	6.60	ng	# 1
66) 4-Bromophenyl-phenylether	10.62	248	41657	4.11	ng	# 1
73) Di-n-butylphthalate	11.88	149	402	Below Cal		# 79

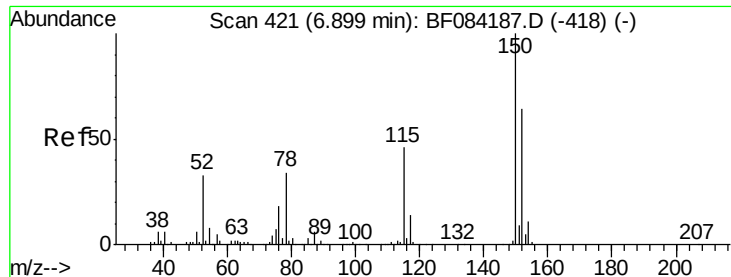
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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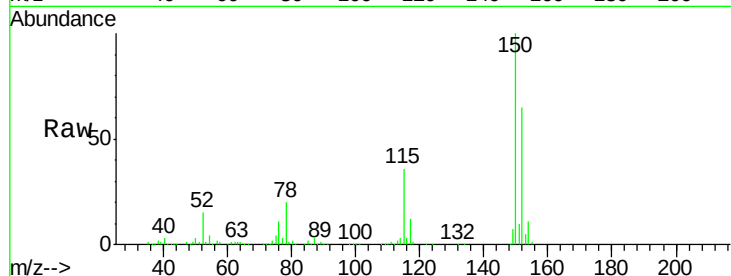


#1

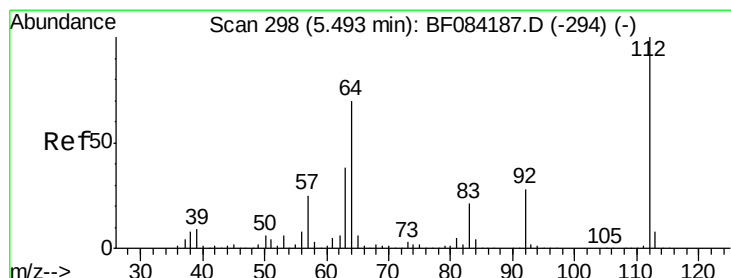
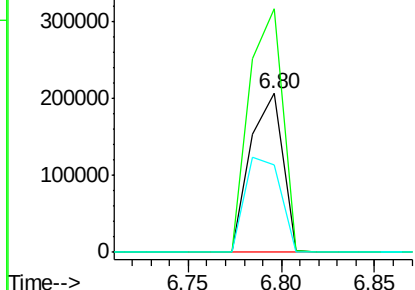
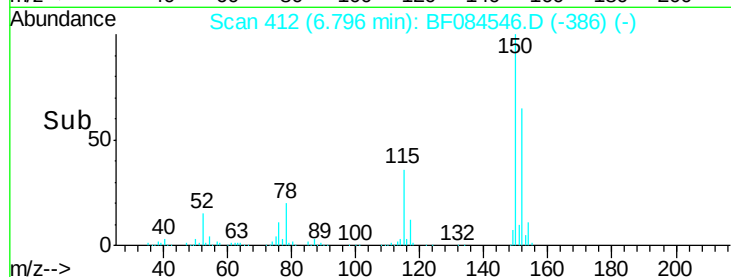
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 412
Delta R.T. 0.00 min
Lab File: BF084546.D
Acq: 19 Jan 2016 11:43

Instrument :
BNA_F
ClientSampleId :
PB87733BL

Tgt Ion:152 Resp: 248871
Ion Ratio Lower Upper
152 100
150 153.3 123.0 184.4
115 55.2 51.4 77.2



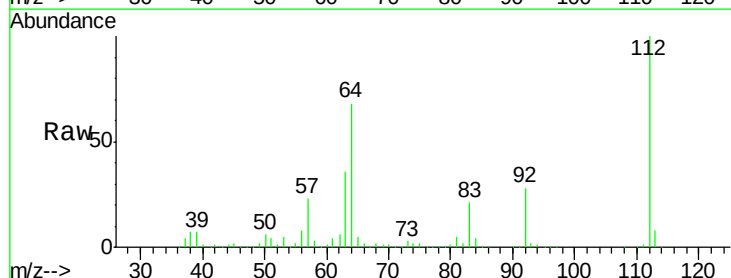
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



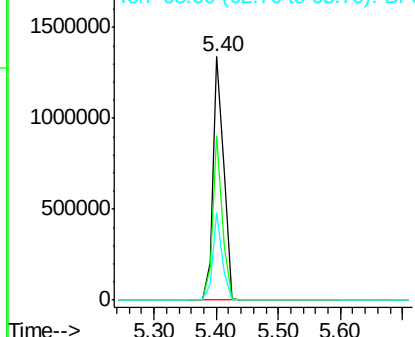
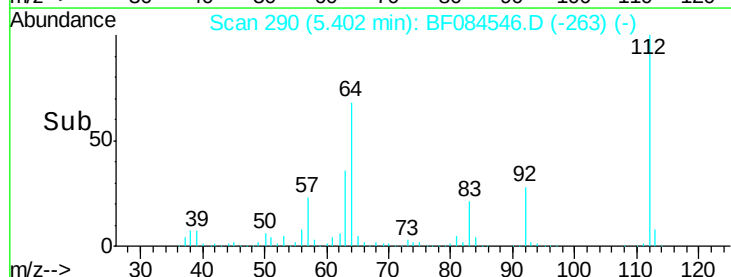
#5

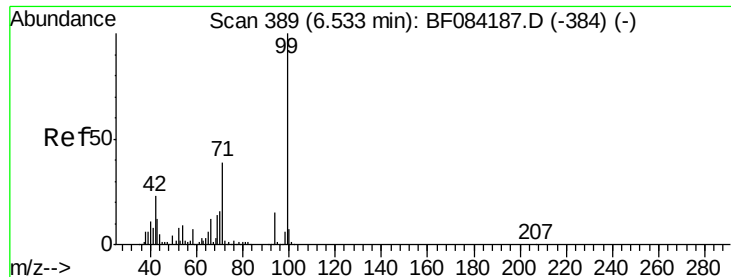
2-Fluorophenol
Concen: 101.64 ng
RT: 5.40 min Scan# 290
Delta R.T. 0.01 min
Lab File: BF084546.D
Acq: 19 Jan 2016 11:43

Tgt Ion:112 Resp: 1563826
Ion Ratio Lower Upper
112 100
64 67.7 36.6 55.0#
63 36.0 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: 115.70 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.00 min

Lab File: BF084546.D

Acq: 19 Jan 2016 11:43

Instrument :

BNA_F

ClientSampleId :

PB87733BL

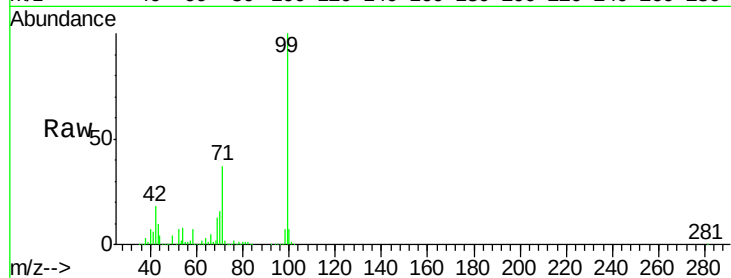
Tgt Ion: 99 Resp: 2235733

Ion Ratio Lower Upper

99 100

42 18.1 12.8 19.2

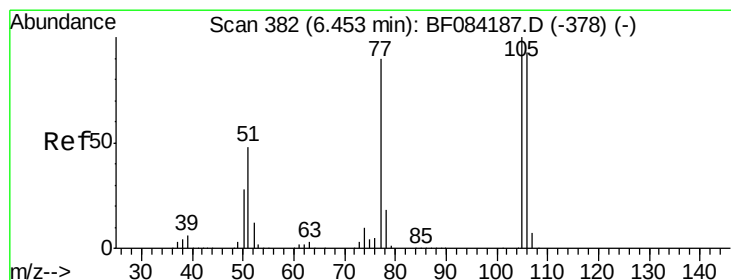
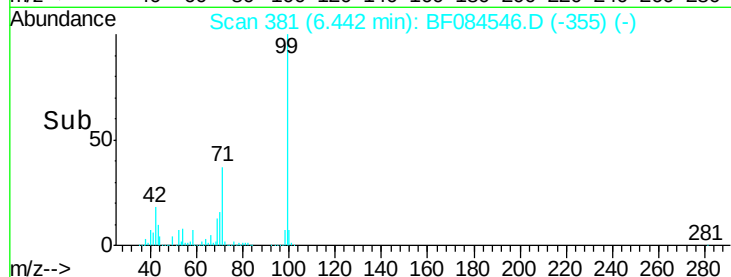
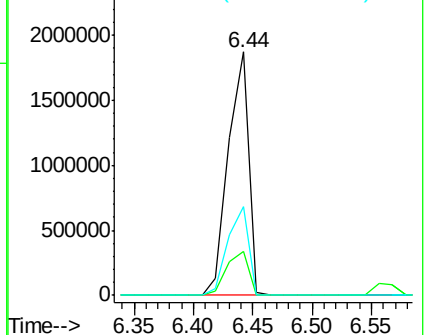
71 36.6 30.9 46.3



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



#9

Benzaldehyde

Concen: 3.29 ng

RT: 6.57 min Scan# 392

Delta R.T. 0.23 min

Lab File: BF084546.D

Acq: 19 Jan 2016 11:43

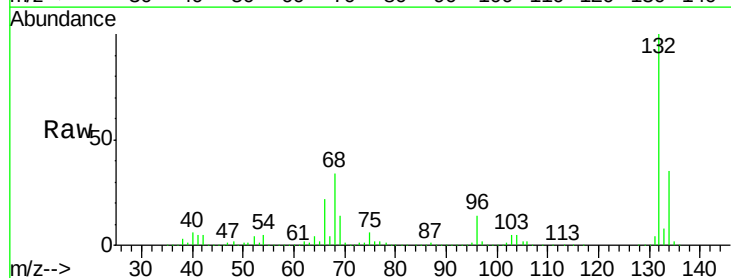
Tgt Ion: 77 Resp: 41423

Ion Ratio Lower Upper

77 100

105 91.7 83.0 123.0

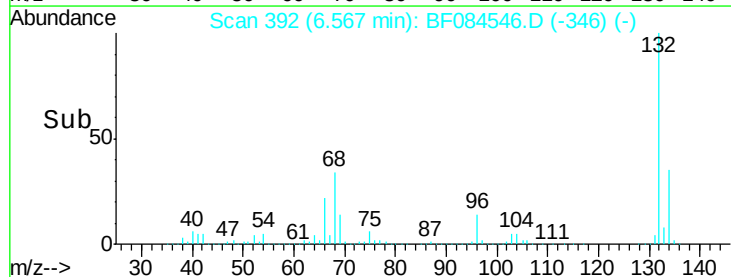
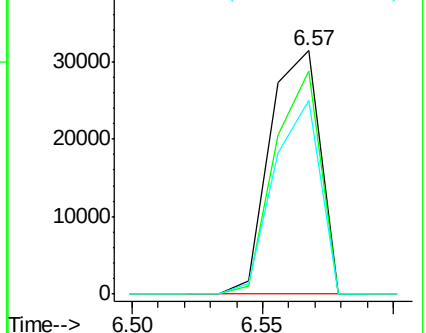
106 79.5 74.6 114.6

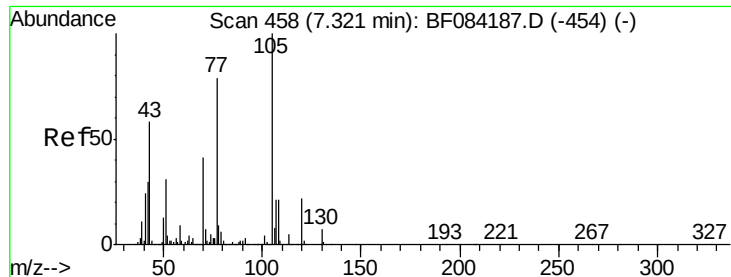


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

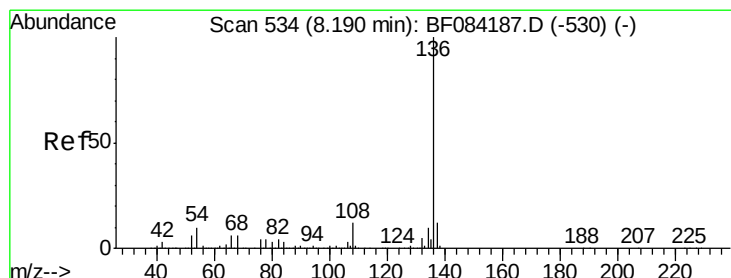
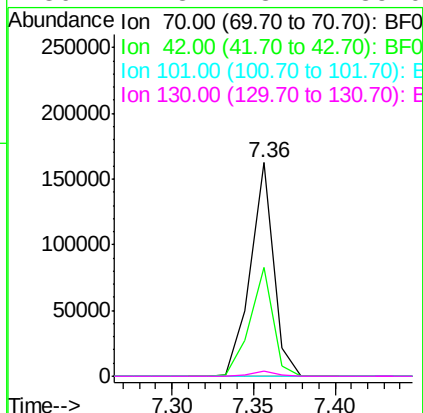
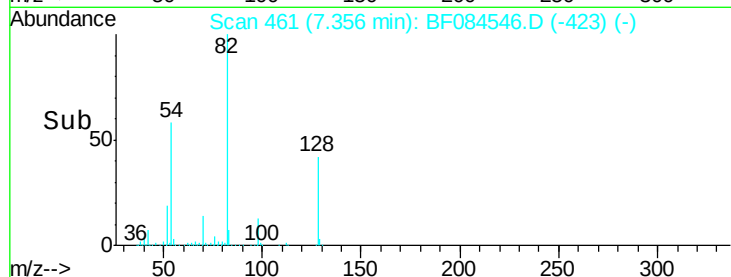
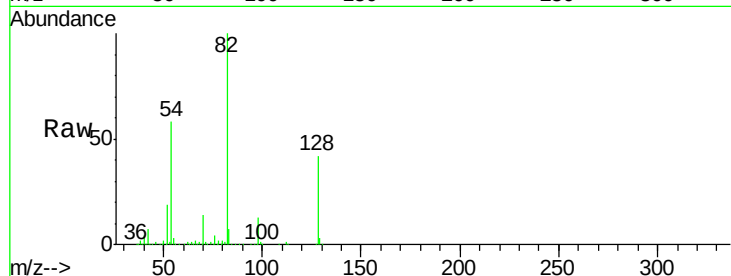




#19
n-Nitroso-di-n-propylamine
Concen: 12.36 ng
RT: 7.36 min Scan# 461
Delta R.T. 0.14 min
Lab File: BF084546.D
Acq: 19 Jan 2016 11:43

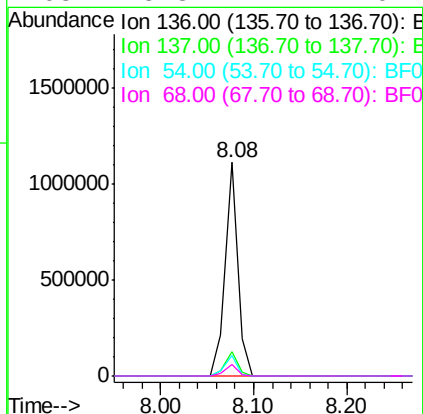
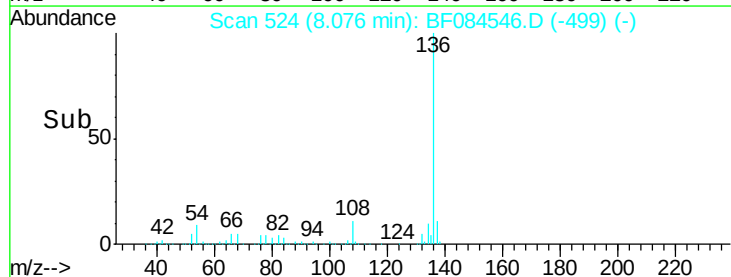
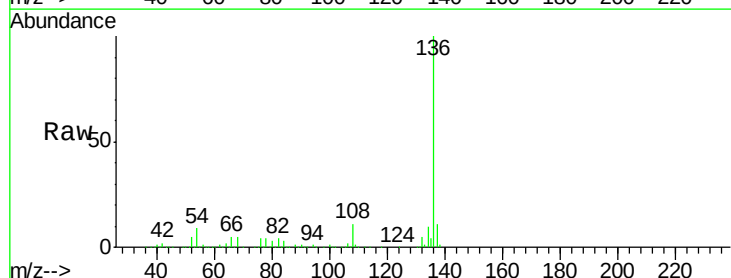
Instrument :
BNA_F
ClientSampled :
PB87733BL

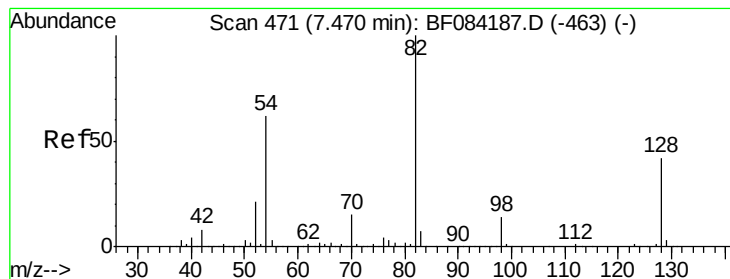
Tgt Ion: 70 Resp: 161663
Ion Ratio Lower Upper
70 100
42 50.9 33.3 49.9#
101 0.0 9.3 13.9#
130 2.3 23.4 35.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 524
Delta R.T. -0.01 min
Lab File: BF084546.D
Acq: 19 Jan 2016 11:43

Tgt Ion: 136 Resp: 1048405
Ion Ratio Lower Upper
136 100
137 11.5 8.7 13.1
54 9.4 5.8 8.8#
68 5.3 4.2 6.2





#23

Nitrobenzene-d5

Concen: 63.56 ng

RT: 7.36 min Scan# 461

Delta R.T. -0.01 min

Lab File: BF084546.D

Acq: 19 Jan 2016 11:43

Instrument :

BNA_F

ClientSampleId :

PB87733BL

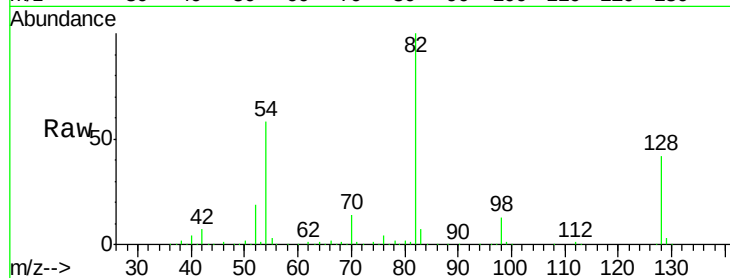
Tgt Ion: 82 Resp: 1197300

Ion Ratio Lower Upper

82 100

128 42.1 34.6 51.8

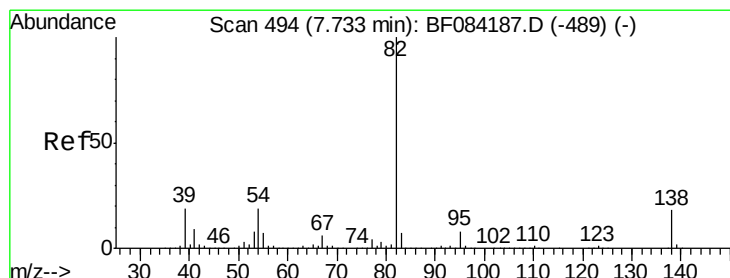
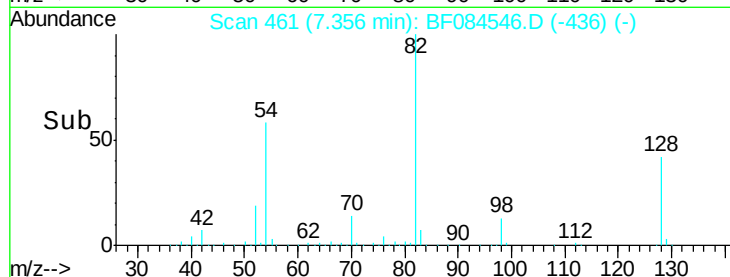
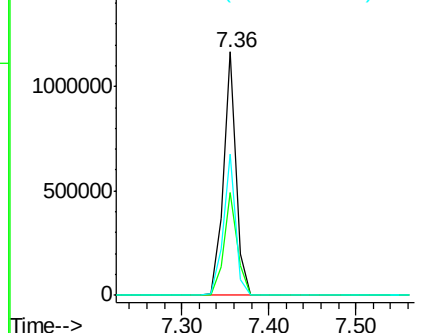
54 58.0 38.4 57.6#



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: 26.03 ng

RT: 7.36 min Scan# 461

Delta R.T. -0.27 min

Lab File: BF084546.D

Acq: 19 Jan 2016 11:43

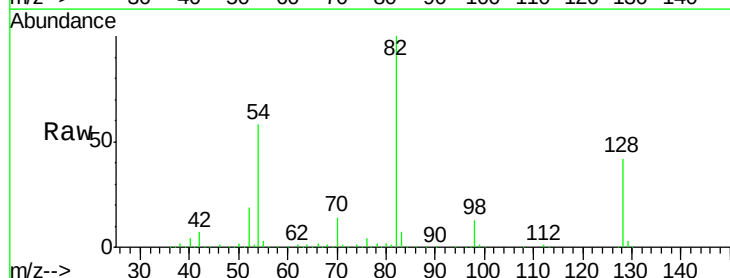
Tgt Ion: 82 Resp: 937830

Ion Ratio Lower Upper

82 100

95 0.0 6.6 10.0#

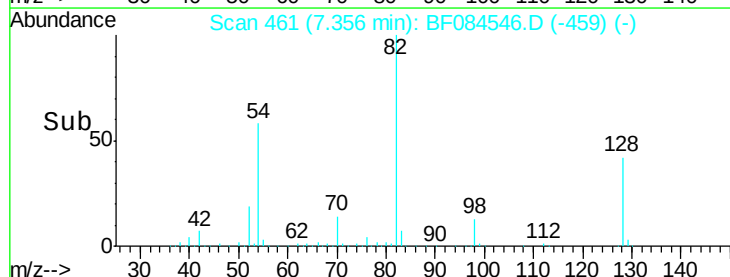
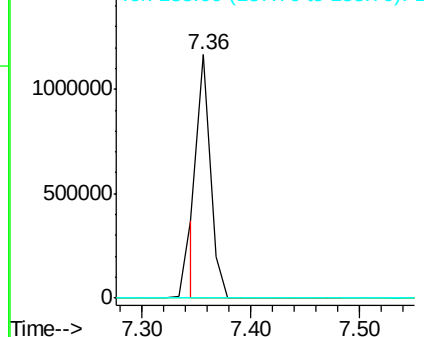
138 0.0 13.6 20.4#

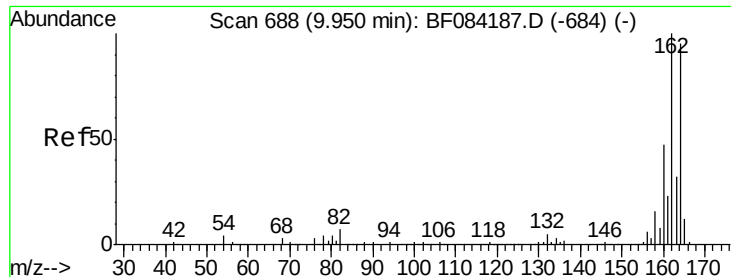


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 678

Delta R.T. 0.00 min

Lab File: BF084546.D

Acq: 19 Jan 2016 11:43

Instrument :

BNA_F

ClientSampleId :

PB87733BL

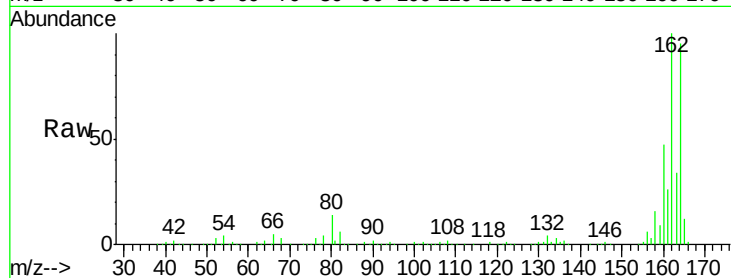
Tgt Ion:164 Resp: 515061

Ion Ratio Lower Upper

164 100

162 104.7 85.1 127.7

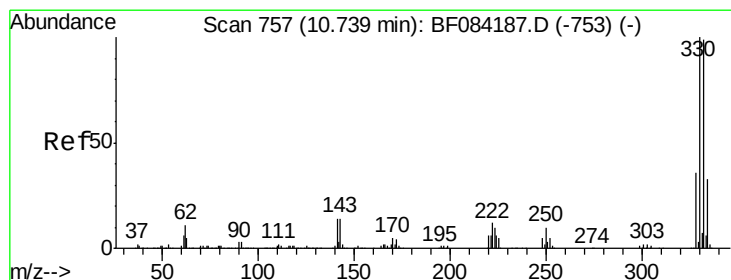
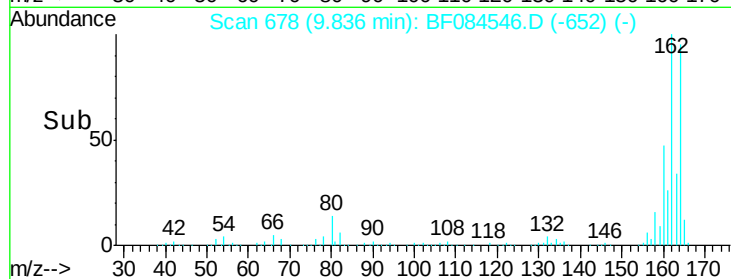
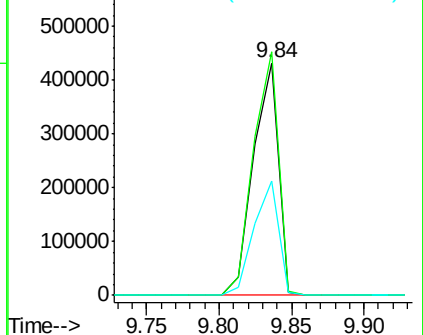
160 49.5 37.5 56.3



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: 115.20 ng

RT: 10.62 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF084546.D

Acq: 19 Jan 2016 11:43

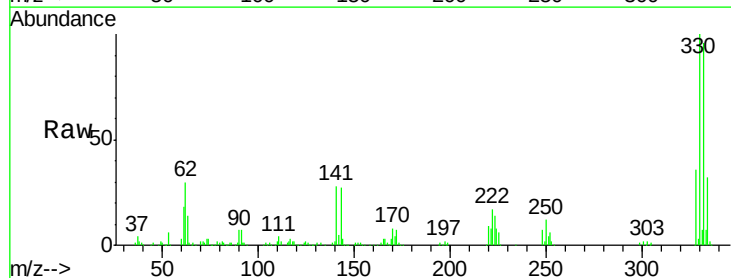
Tgt Ion:330 Resp: 599038

Ion Ratio Lower Upper

330 100

332 96.4 76.6 114.8

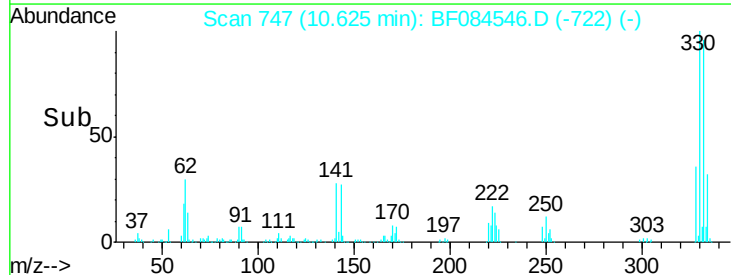
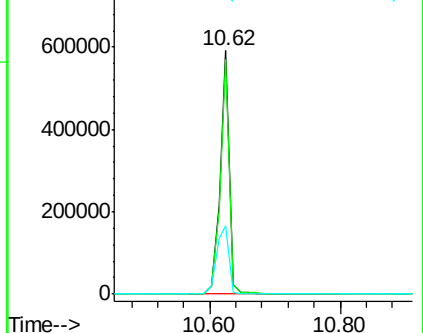
141 37.5 27.8 41.6

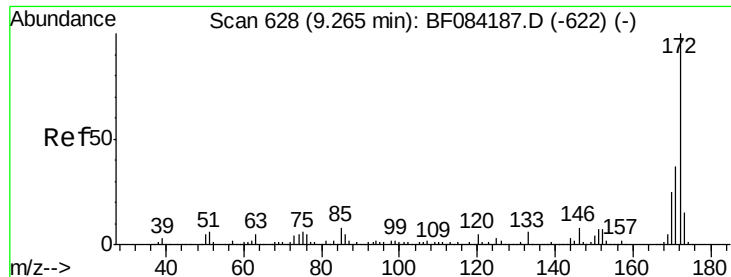


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

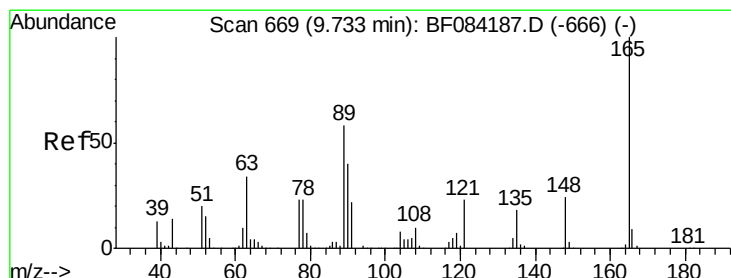
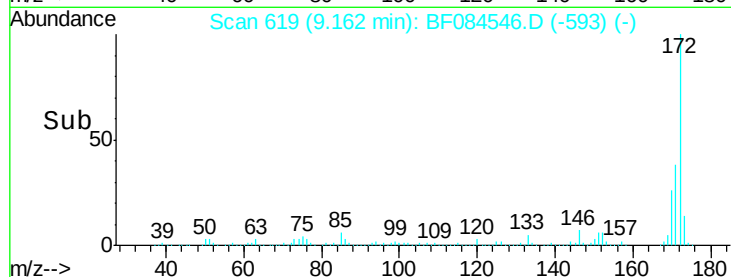
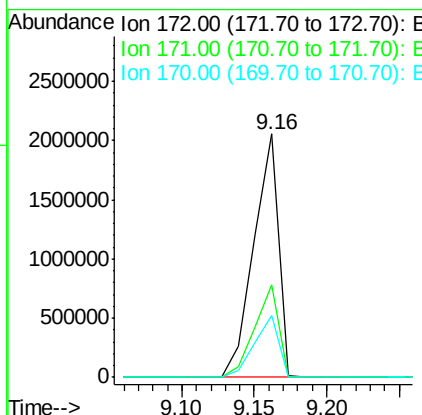
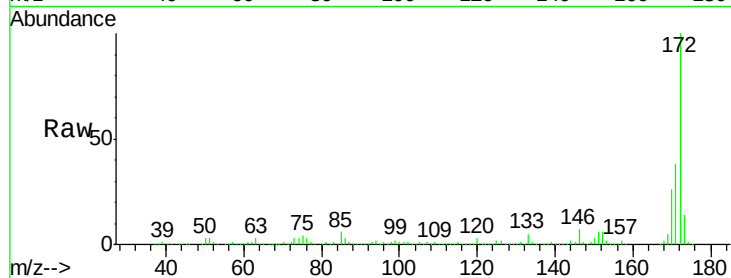




#44
 2-Fluorobiphenyl
 Concen: 83.05 ng
 RT: 9.16 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: BF084546.D
 Acq: 19 Jan 2016 11:43

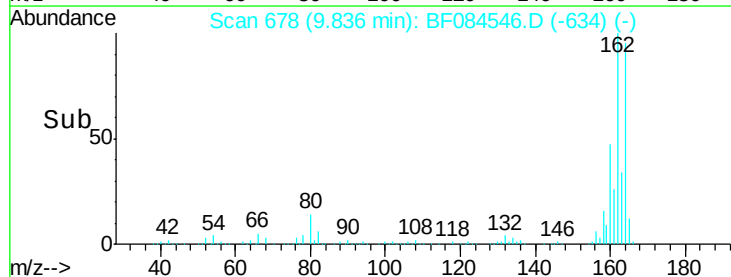
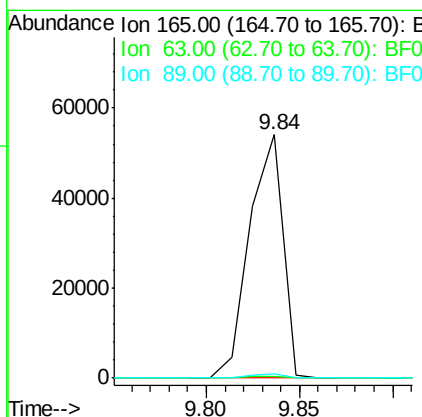
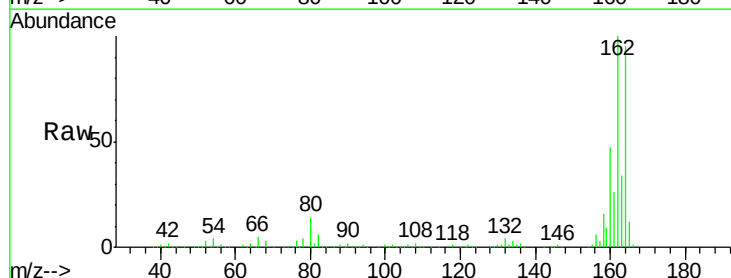
Instrument :
 BNA_F
 ClientSampled :
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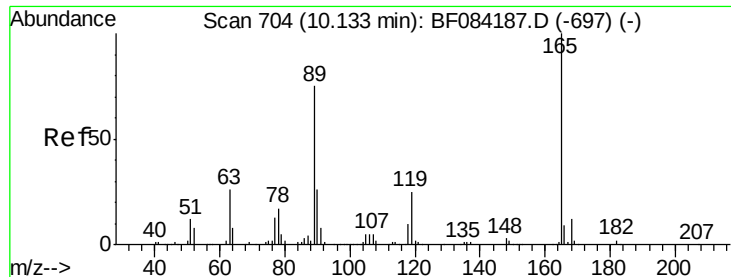
Tgt Ion:172 Resp: 2435727
 Ion Ratio Lower Upper
 172 100
 171 38.0 28.9 43.3
 170 25.6 18.6 27.8



#50
 2,6-Dinitrotoluene
 Concen: 8.27 ng
 RT: 9.84 min Scan# 678
 Delta R.T. 0.21 min
 Lab File: BF084546.D
 Acq: 19 Jan 2016 11:43

Tgt Ion:165 Resp: 66809
 Ion Ratio Lower Upper
 165 100
 63 0.7 28.8 43.2#
 89 1.7 35.1 52.7#

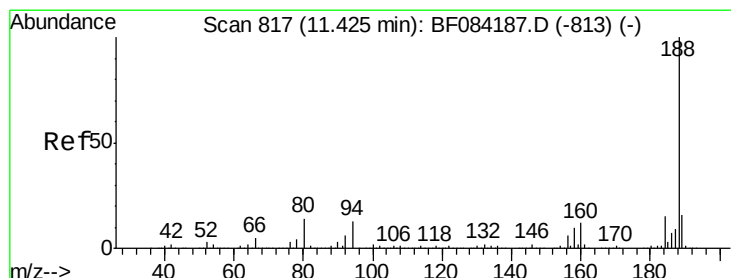
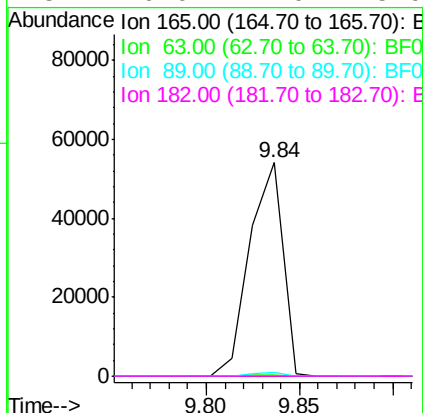
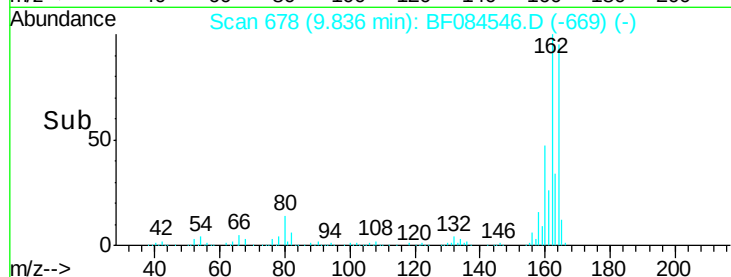
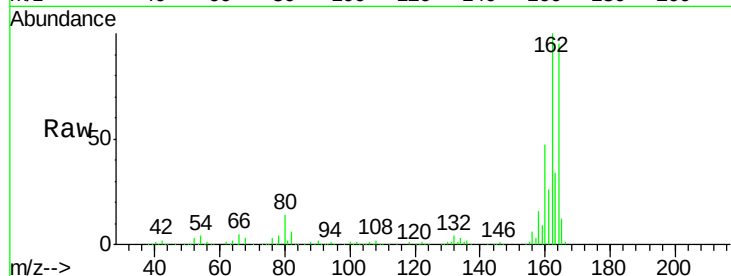




#56
 2,4-Dinitrotoluene
 Concen: 6.54 ng
 RT: 9.84 min Scan# 678
 Delta R.T. -0.19 min
 Lab File: BF084546.D
 Acq: 19 Jan 2016 11:43

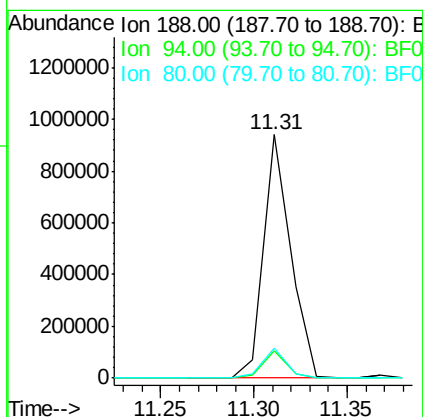
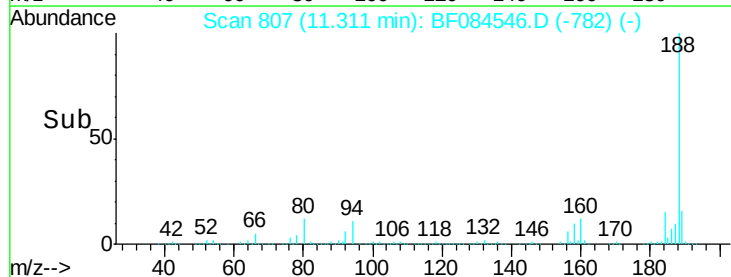
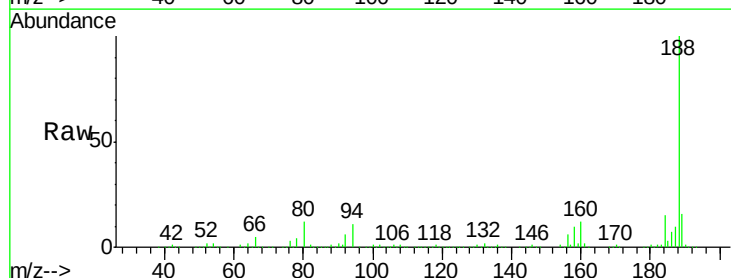
Instrument :
 BNA_F
 ClientSampleId :
 PB87733BL

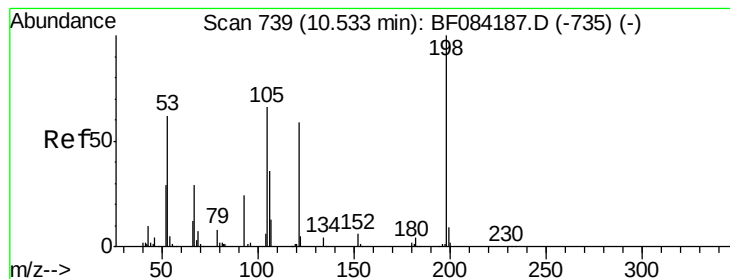
Tgt Ion:165 Resp: 66809
 Ion Ratio Lower Upper
 165 100
 63 0.7 36.7 55.1#
 89 1.7 61.9 92.9#
 182 0.0 2.0 3.0#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.31 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF084546.D
 Acq: 19 Jan 2016 11:43

Tgt Ion:188 Resp: 941242
 Ion Ratio Lower Upper
 188 100
 94 11.1 9.0 13.4
 80 12.4 9.6 14.4





#64

4,6-Dinitro-2-methylphenol

Concen: 6.60 ng

RT: 10.62 min Scan# 747

Delta R.T. 0.18 min

Lab File: BF084546.D

Acq: 19 Jan 2016 11:43

Instrument :

BNA_F

ClientSampleId :

PB87733BL

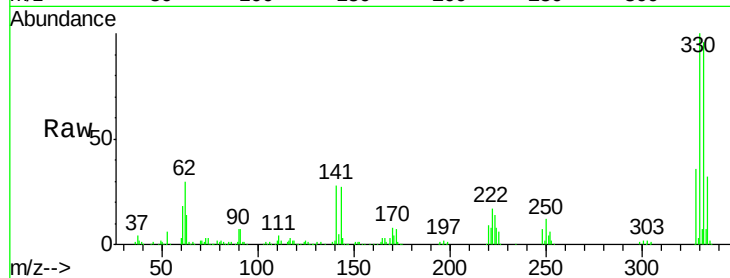
Tgt Ion:198 Resp: 1390

Ion Ratio Lower Upper

198 100

51 116.7 18.9 58.9#

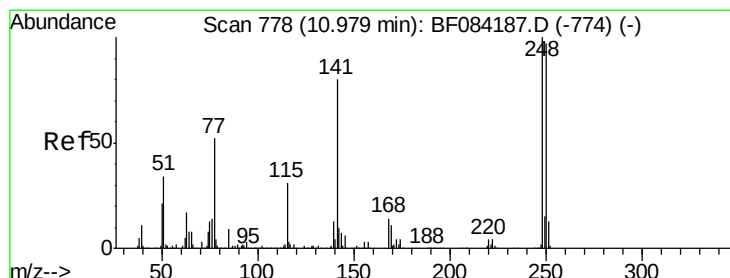
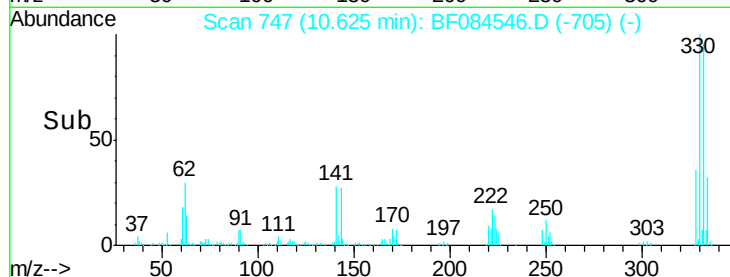
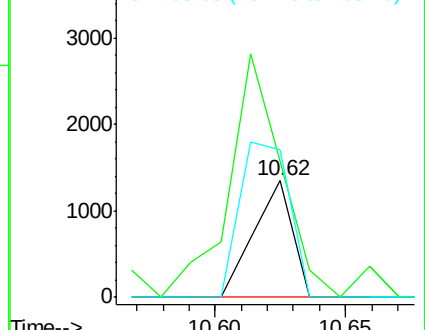
105 126.5 26.4 66.4#



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: 4.11 ng

RT: 10.62 min Scan# 747

Delta R.T. -0.25 min

Lab File: BF084546.D

Acq: 19 Jan 2016 11:43

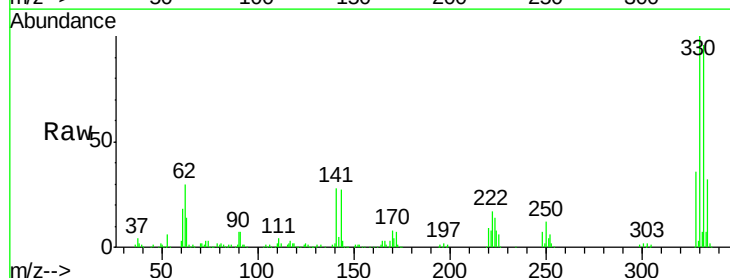
Tgt Ion:248 Resp: 41657

Ion Ratio Lower Upper

248 100

250 186.9 78.4 117.6#

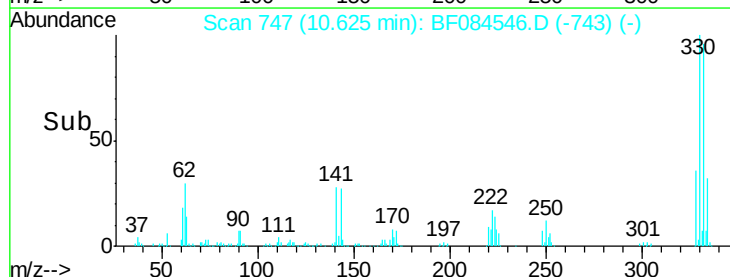
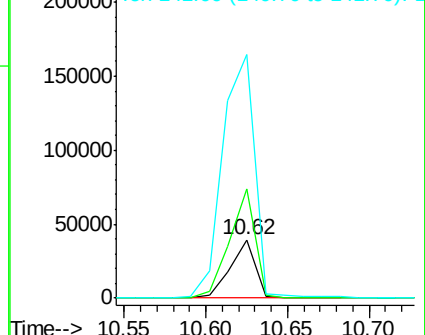
141 416.5 44.0 66.0#

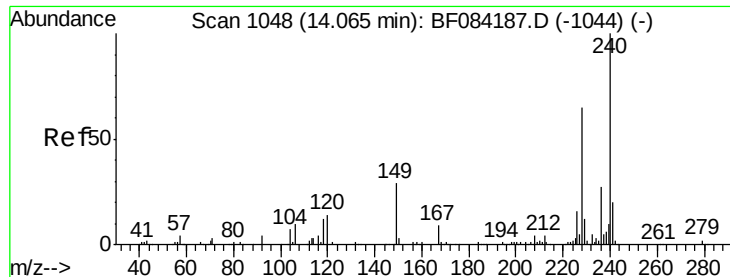


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.95 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF084546.D

Acq: 19 Jan 2016 11:43

Instrument :

BNA_F

ClientSampleId :

PB87733BL

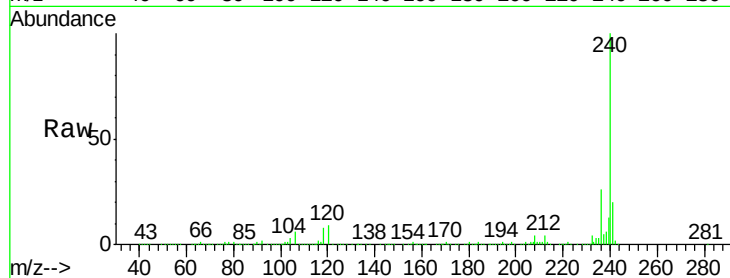
Tgt Ion:240 Resp: 936402

Ion Ratio Lower Upper

240 100

120 8.7 9.5 14.3#

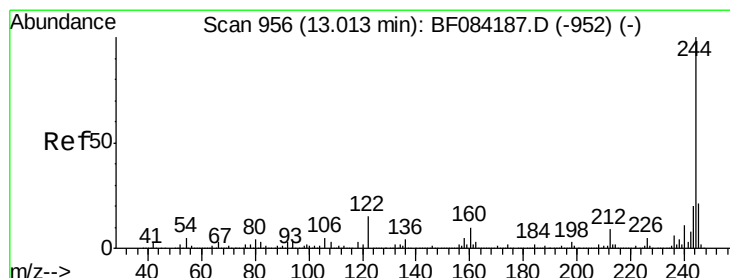
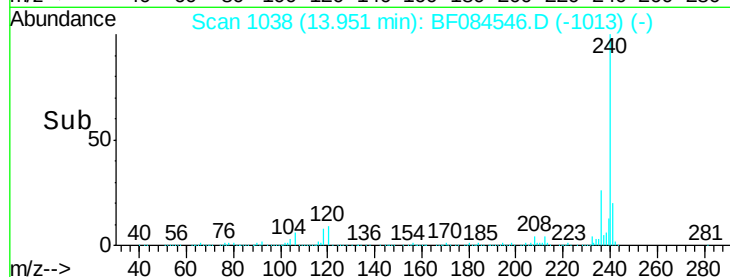
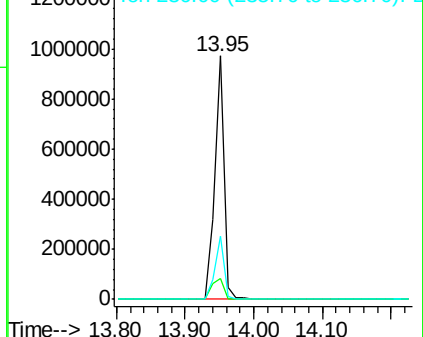
236 25.7 20.6 31.0



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: 61.05 ng

RT: 12.91 min Scan# 947

Delta R.T. 0.00 min

Lab File: BF084546.D

Acq: 19 Jan 2016 11:43

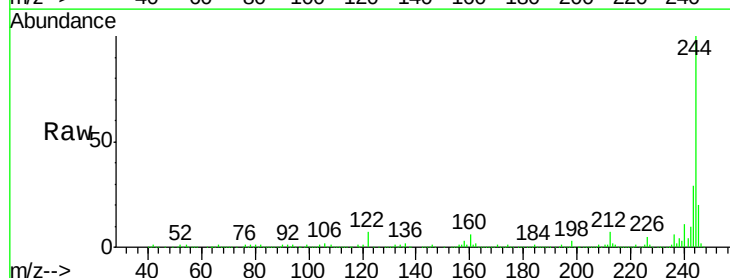
Tgt Ion:244 Resp: 2561144

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

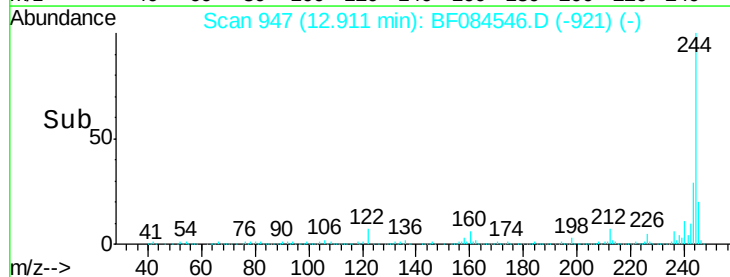
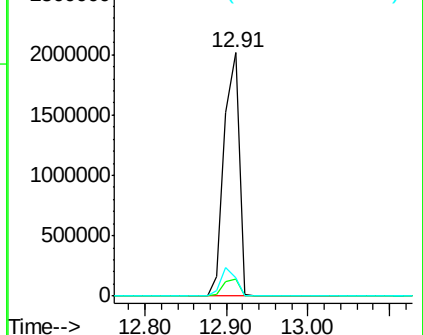
122 7.4 7.4 11.0

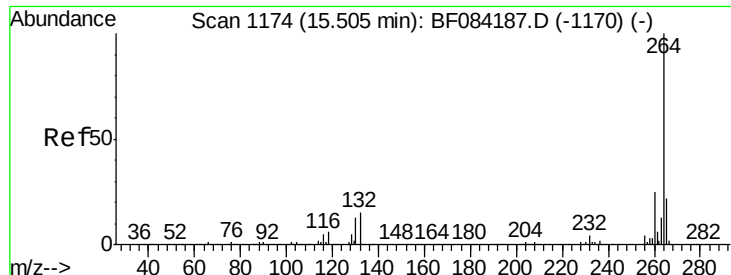


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

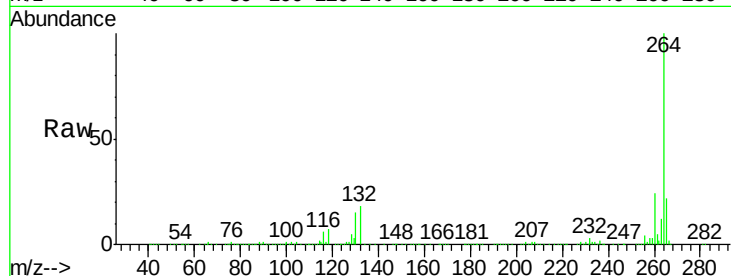




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BF084546.D
Acq: 19 Jan 2016 11:43

Instrument :
BNA_F
ClientSampleId :
PB87733BL

Tgt Ion:	264	Resp:	725472
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.2
265	22.0	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

