

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011916\
 Data File : BF084545.D
 Acq On : 19 Jan 2016 11:00
 Operator : SJ/UM
 Sample : PB87733TB
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB87733TB

Quant Time: Jan 19 17:21:19 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

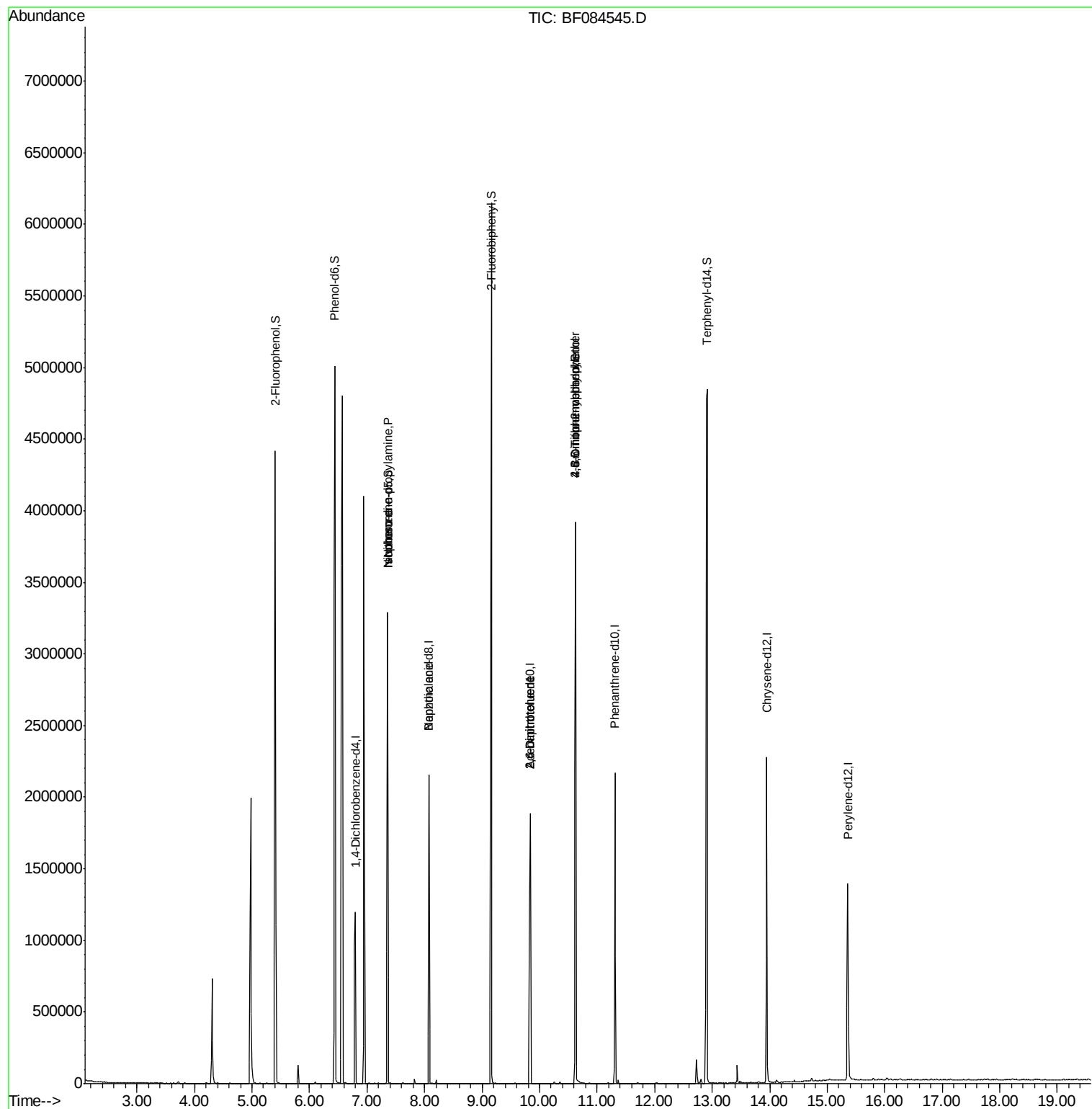
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	242150	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	964851	20.00	ng	-0.01
38) Acenaphthene-d10	9.84	164	484981	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	850866	20.00	ng	-0.01
75) Chrysene-d12	13.95	240	842139	20.00	ng	-0.01
86) Perylene-d12	15.36	264	594531	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1219603	81.46	ng	0.01
7) Phenol-d6	6.44	99	2125052	113.02	ng	0.00
23) Nitrobenzene-d5	7.36	82	1142883	65.92	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	550205	112.37	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	2252497	81.44	ng	0.00
78) Terphenyl-d14	12.91	244	2332345	61.82	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	155951	12.25	ng	# 71
25) Isophorone	7.36	82	931302	28.09	ng	# 66
32) Benzoic acid	8.08	122	226	6.27	ng	# 1
50) 2,6-Dinitrotoluene	9.84	165	62446	8.21	ng	# 38
56) 2,4-Dinitrotoluene	9.84	165	62446	6.49	ng	# 21
57) Fluorene	10.62	166	23433	Below Cal		# 86
64) 4,6-Dinitro-2-methylphenol	10.62	198	1278	6.60	ng	# 1
66) 4-Bromophenyl-phenylether	10.62	248	37801	4.13	ng	# 1

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

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Quant Time: Jan 19 17:21:19 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 412

Delta R.T. 0.00 min

Lab File: BF084545.D

Acq: 19 Jan 2016 11:00

Instrument :

BNA_F

ClientSampleId :

PB87733TB

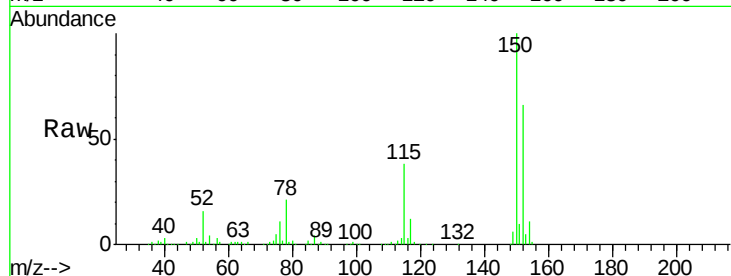
Tgt Ion:152 Resp: 242150

Ion Ratio Lower Upper

152 100

150 152.4 123.0 184.4

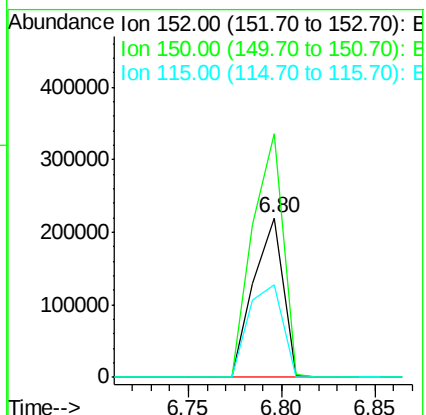
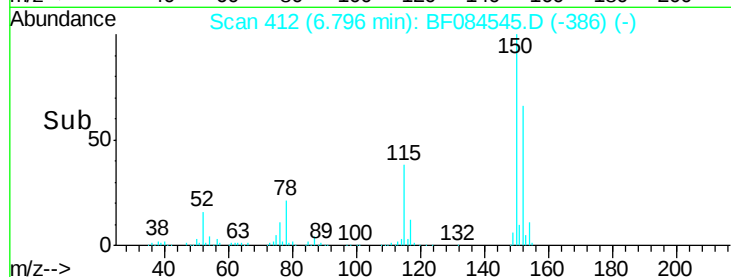
115 57.8 51.4 77.2



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: 81.46 ng

RT: 5.40 min Scan# 290

Delta R.T. 0.01 min

Lab File: BF084545.D

Acq: 19 Jan 2016 11:00

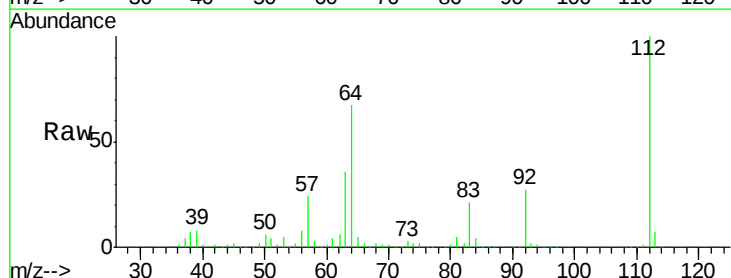
Tgt Ion:112 Resp: 1219603

Ion Ratio Lower Upper

112 100

64 67.2 36.6 55.0#

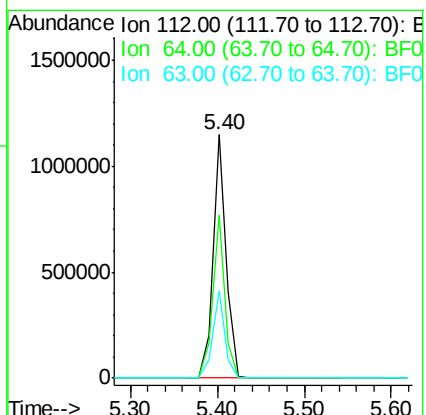
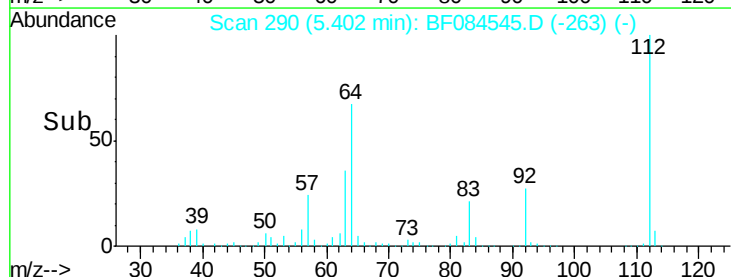
63 36.1 19.4 29.0#

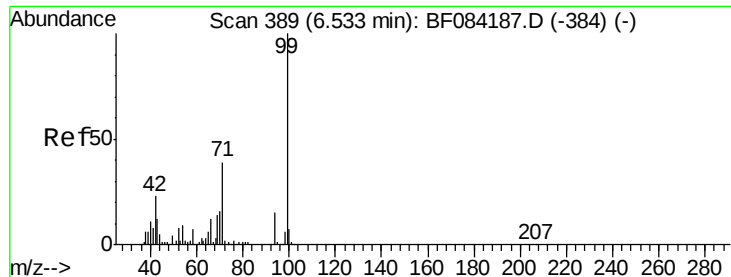


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 113.02 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.00 min

Lab File: BF084545.D

Acq: 19 Jan 2016 11:00

Instrument :

BNA_F

ClientSampleId :

PB87733TB

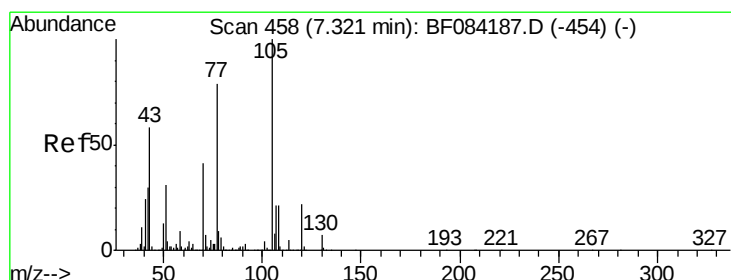
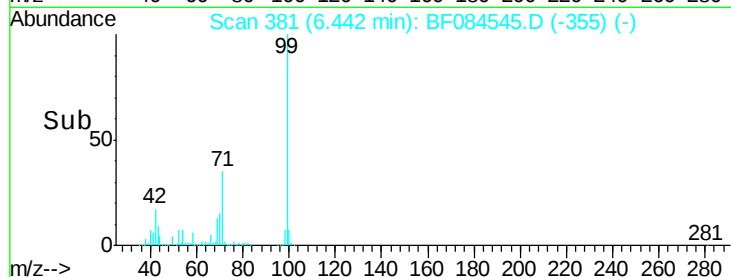
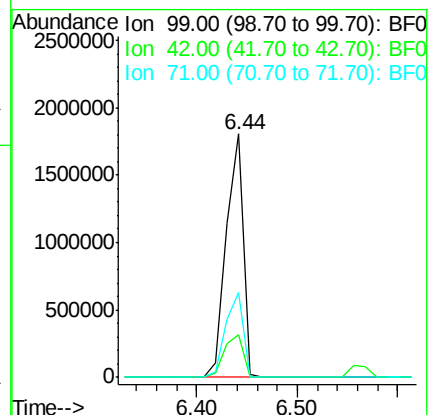
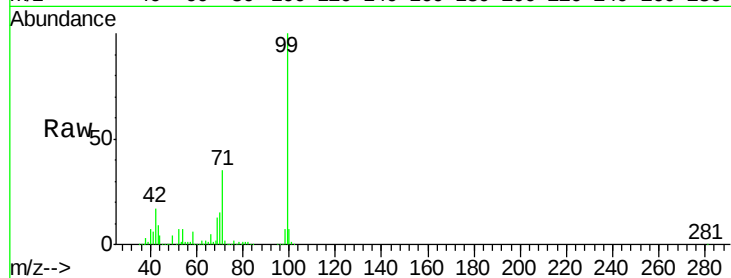
Tgt Ion: 99 Resp: 2125052

Ion Ratio Lower Upper

99 100

42 17.5 12.8 19.2

71 35.1 30.9 46.3



#19

n-Nitroso-di-n-propylamine

Concen: 12.25 ng

RT: 7.36 min Scan# 461

Delta R.T. 0.14 min

Lab File: BF084545.D

Acq: 19 Jan 2016 11:00

Tgt Ion: 70 Resp: 155951

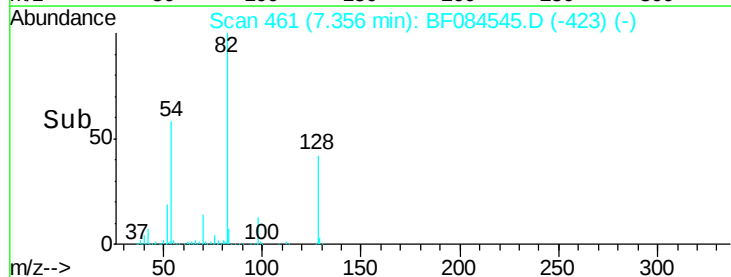
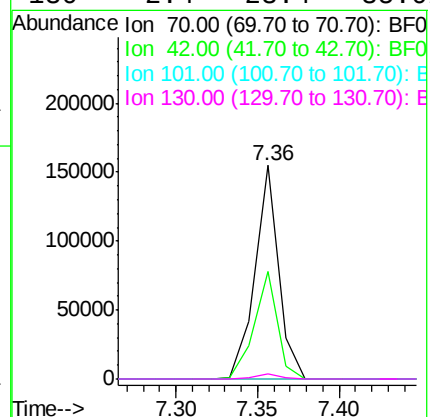
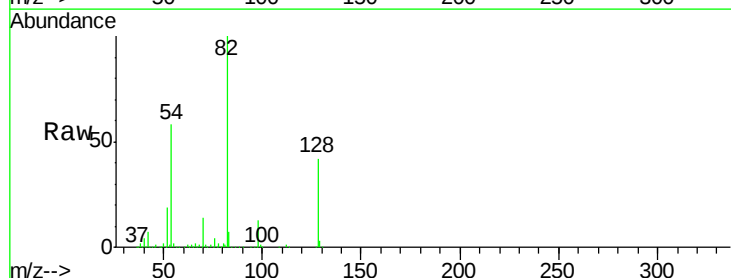
Ion Ratio Lower Upper

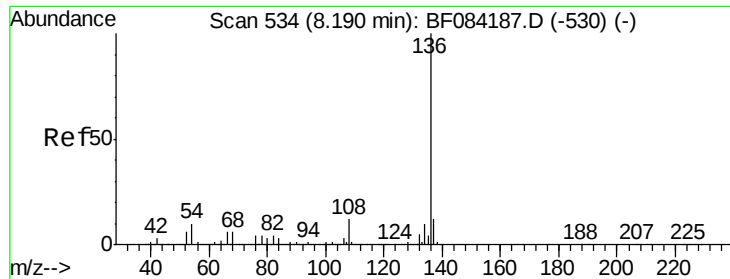
70 100

42 50.1 33.3 49.9#

101 0.0 9.3 13.9#

130 2.4 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: BF084545.D

Acq: 19 Jan 2016 11:00

Instrument :

BNA_F

ClientSampleId :

PB87733TB

Tgt Ion:136 Resp: 964851

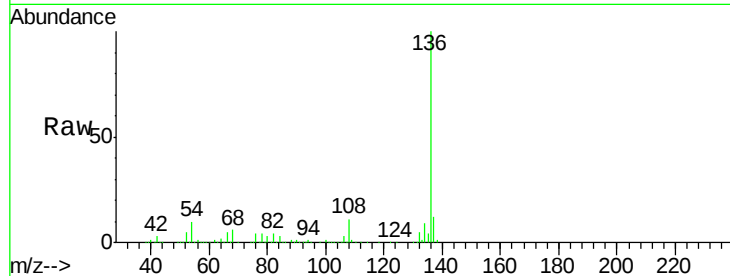
Ion Ratio Lower Upper

136 100

137 11.6 8.7 13.1

54 9.8 5.8 8.8#

68 5.8 4.2 6.2

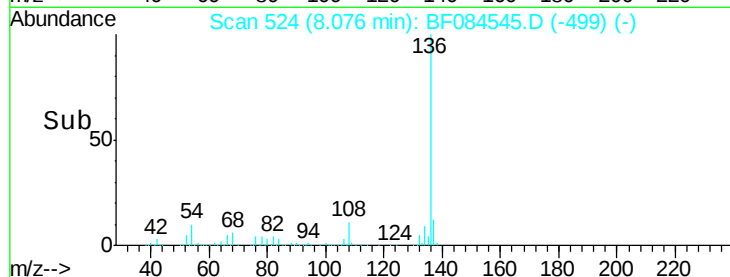


Abundance Ion 136.00 (135.70 to 136.70): E

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



Time-->



#23

Nitrobenzene-d5

Concen: 65.92 ng

RT: 7.36 min Scan# 461

Delta R.T. -0.01 min

Lab File: BF084545.D

Acq: 19 Jan 2016 11:00

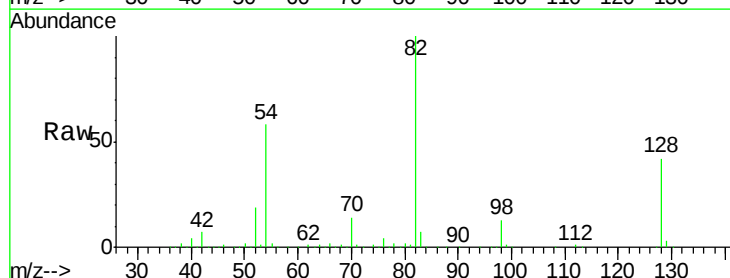
Tgt Ion: 82 Resp: 1142883

Ion Ratio Lower Upper

82 100

128 41.7 34.6 51.8

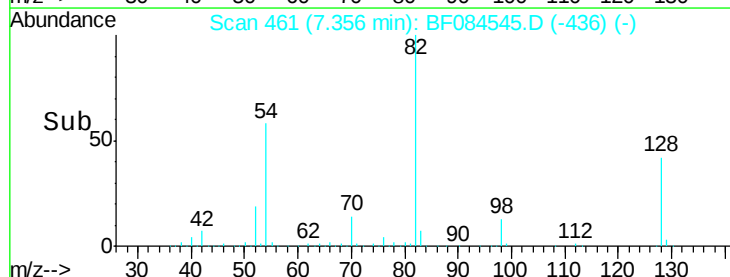
54 57.8 38.4 57.6#



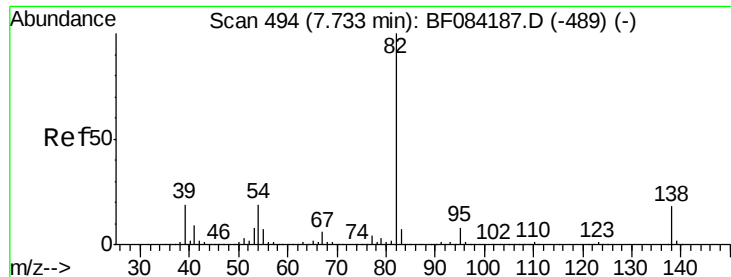
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->



#25

Isophorone

Concen: 28.09 ng

RT: 7.36 min Scan# 461

Delta R.T. -0.27 min

Lab File: BF084545.D

Acq: 19 Jan 2016 11:00

Instrument :

BNA_F

ClientSampleId :

PB87733TB

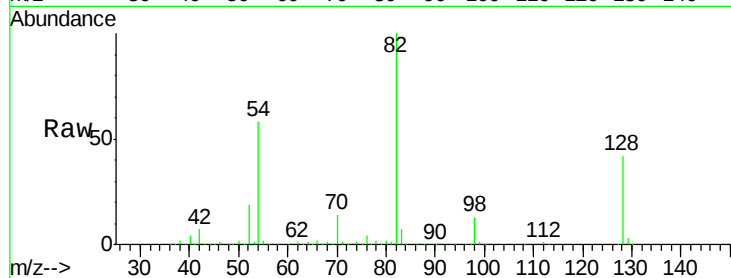
Tgt Ion: 82 Resp: 931302

Ion Ratio Lower Upper

82 100

95 0.0 6.6 10.0#

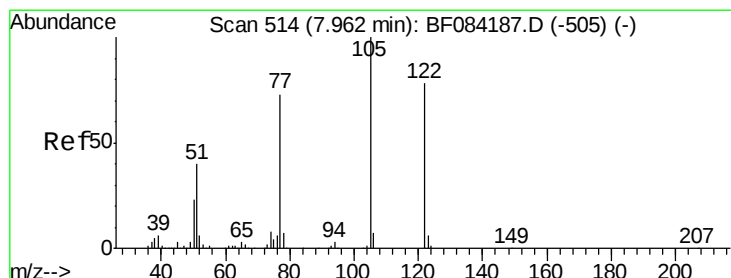
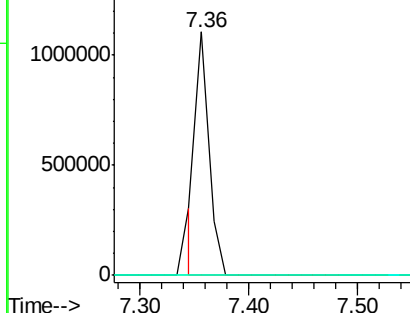
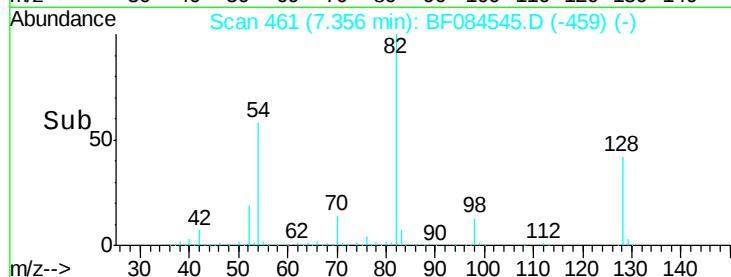
138 0.0 13.6 20.4#



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: 8.08 min Scan# 524

Delta R.T. 0.18 min

Lab File: BF084545.D

Acq: 19 Jan 2016 11:00

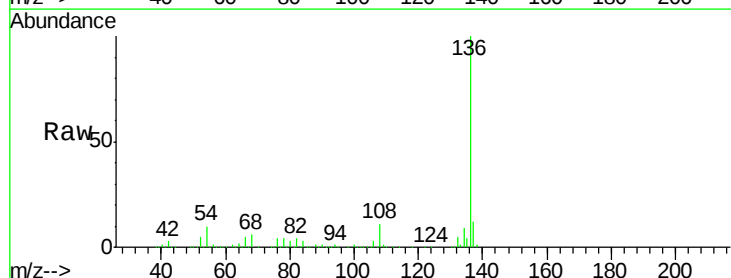
Tgt Ion: 122 Resp: 226

Ion Ratio Lower Upper

122 100

105 236.7 100.3 140.3#

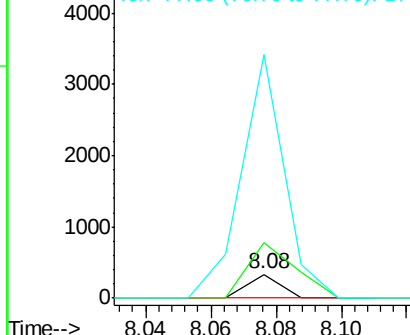
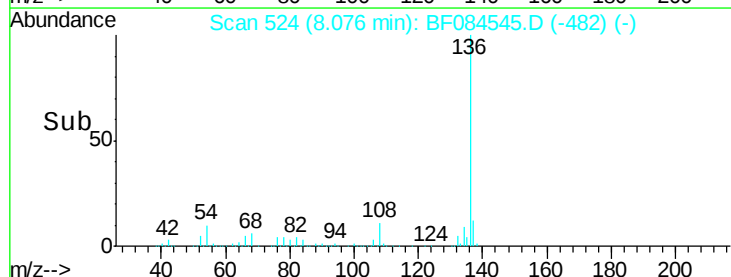
77 1034.8 63.5 103.5#

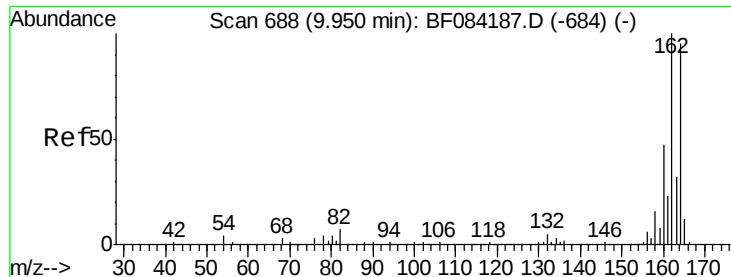


Abundance Ion 122.00 (121.70 to 122.70): E

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: 9.84 min Scan# 678

Delta R.T. 0.00 min

Lab File: BF084545.D

Acq: 19 Jan 2016 11:00

Instrument :

BNA_F

ClientSampleId :

PB87733TB

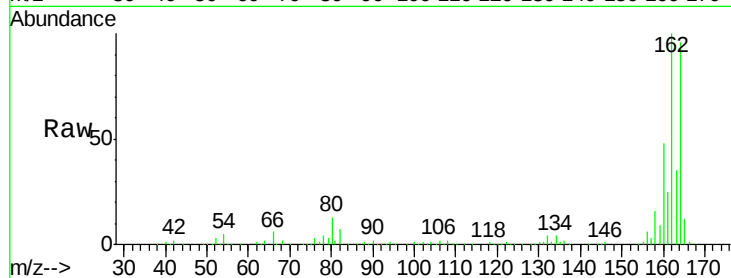
Tgt Ion:164 Resp: 484981

Ion Ratio Lower Upper

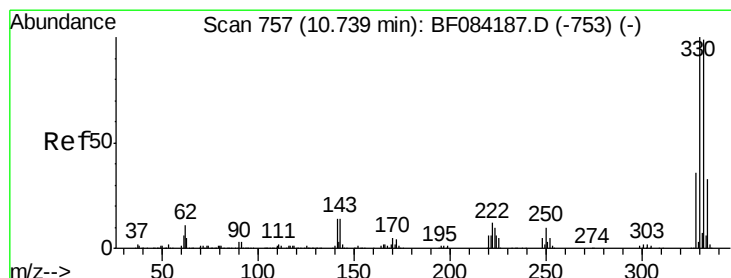
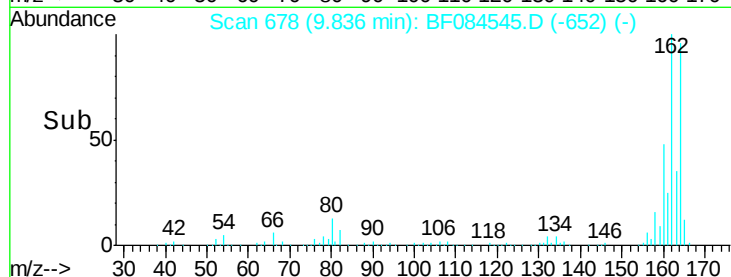
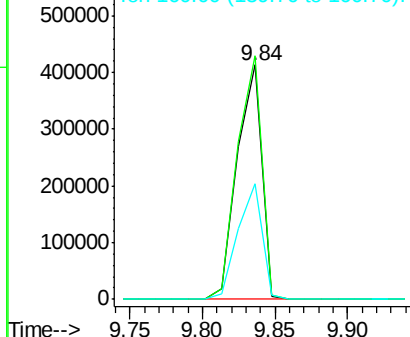
164 100

162 103.8 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: 112.37 ng

RT: 10.62 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF084545.D

Acq: 19 Jan 2016 11:00

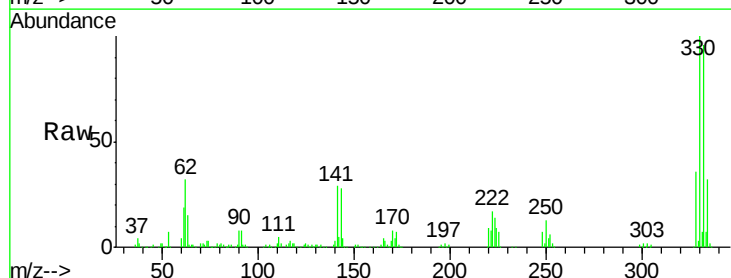
Tgt Ion:330 Resp: 550205

Ion Ratio Lower Upper

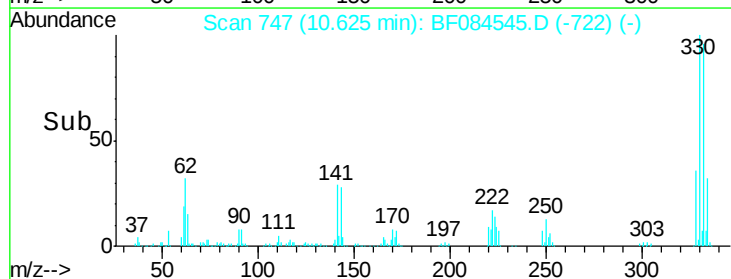
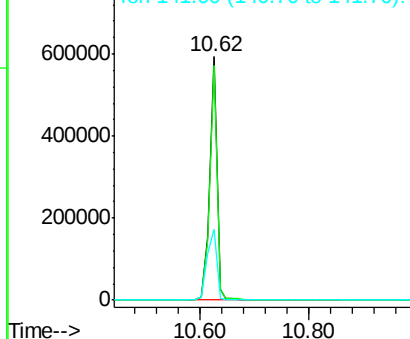
330 100

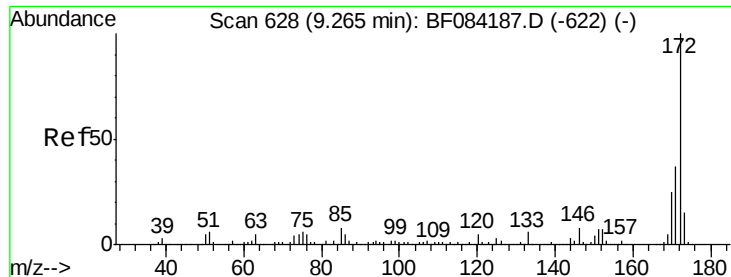
332 95.7 76.6 114.8

141 37.4 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

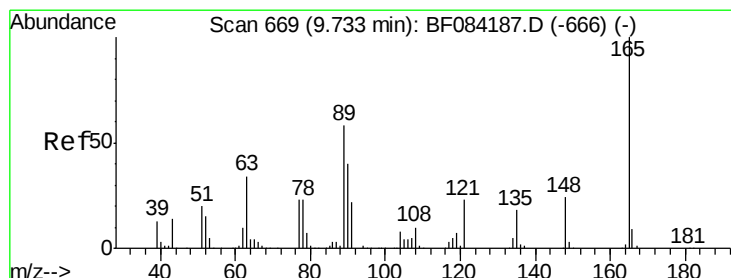
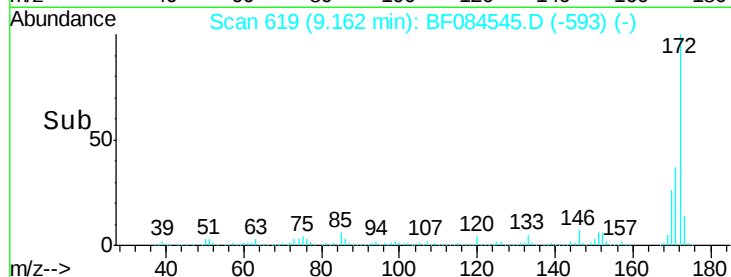
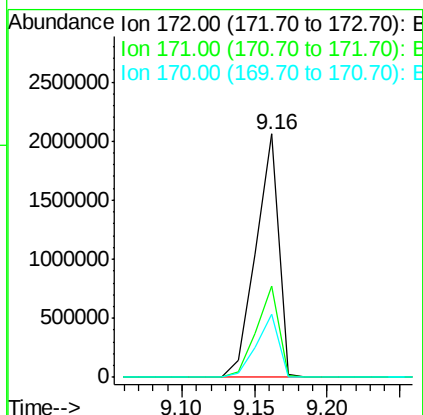
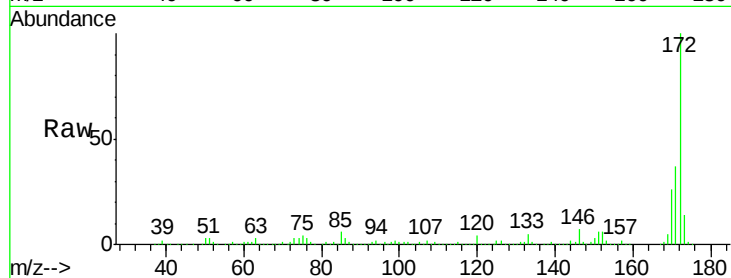




#44
 2-Fluorobiphenyl
 Concen: 81.44 ng
 RT: 9.16 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: BF084545.D
 Acq: 19 Jan 2016 11:00

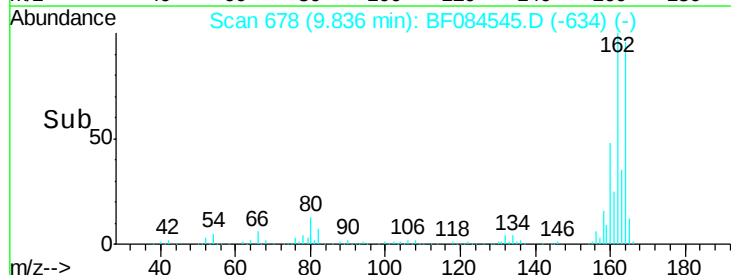
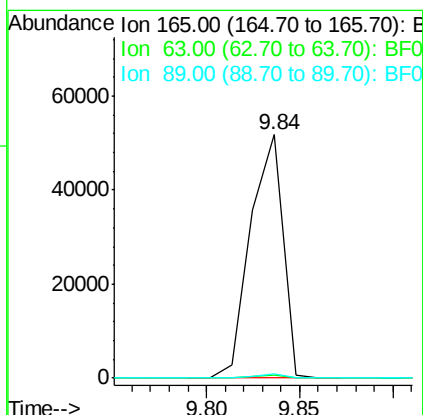
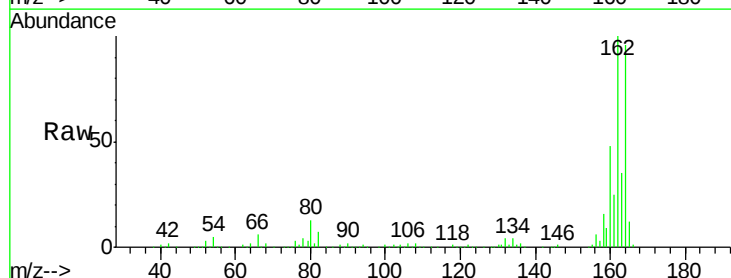
Instrument :
 BNA_F
 ClientSampled :
 PB87733TB

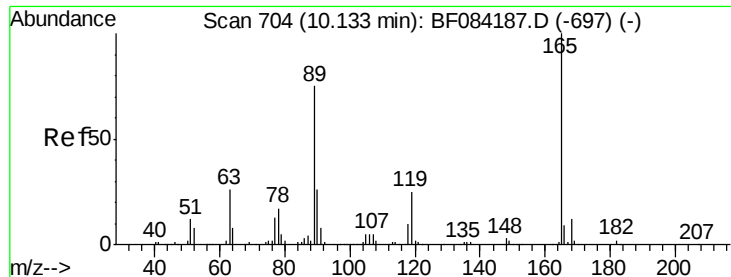
Tgt Ion:172 Resp: 2252497
 Ion Ratio Lower Upper
 172 100
 171 37.5 28.9 43.3
 170 26.0 18.6 27.8



#50
 2,6-Dinitrotoluene
 Concen: 8.21 ng
 RT: 9.84 min Scan# 678
 Delta R.T. 0.21 min
 Lab File: BF084545.D
 Acq: 19 Jan 2016 11:00

Tgt Ion:165 Resp: 62446
 Ion Ratio Lower Upper
 165 100
 63 1.3 28.8 43.2#
 89 1.7 35.1 52.7#

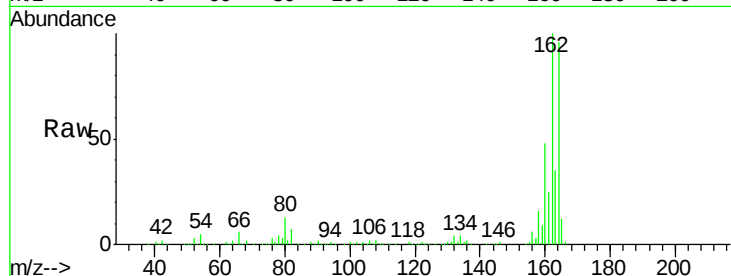




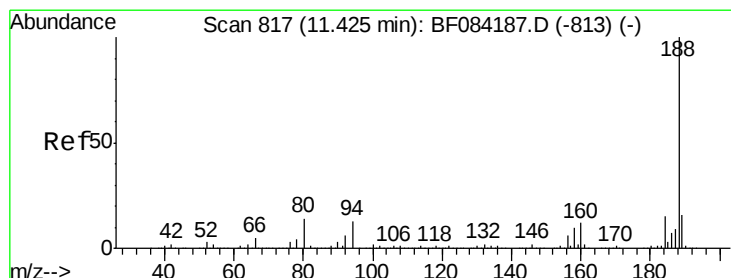
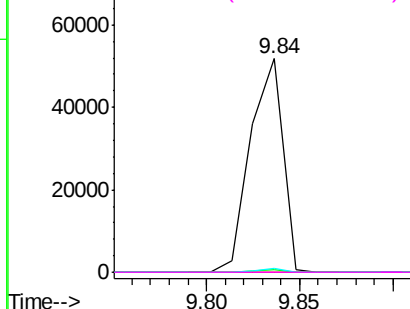
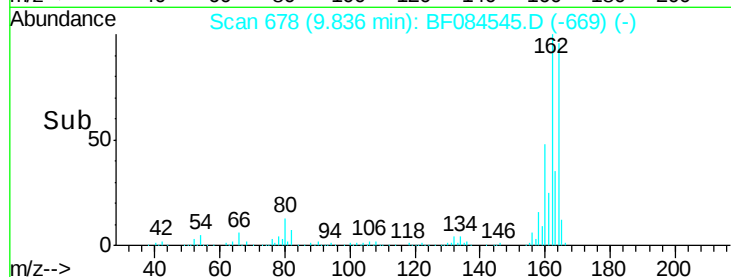
#56
 2,4-Dinitrotoluene
 Concen: 6.49 ng
 RT: 9.84 min Scan# 678
 Delta R.T. -0.19 min
 Lab File: BF084545.D
 Acq: 19 Jan 2016 11:00

Instrument :
 BNA_F
 ClientSampleId :
 PB87733TB

Tgt Ion:165 Resp: 62446
 Ion Ratio Lower Upper
 165 100
 63 1.3 36.7 55.1#
 89 1.7 61.9 92.9#
 182 0.0 2.0 3.0#

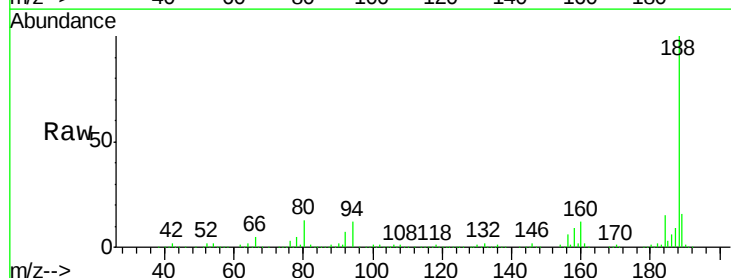


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

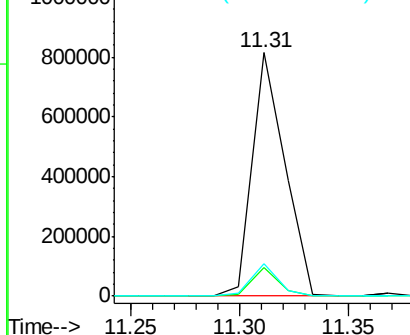
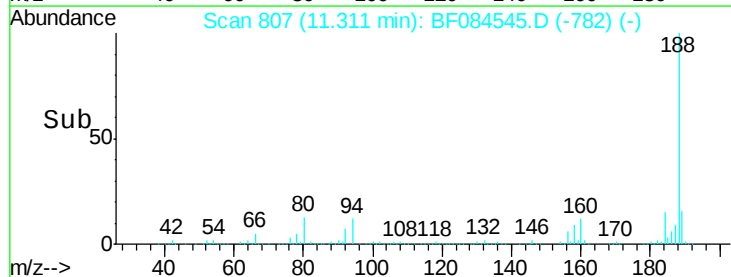


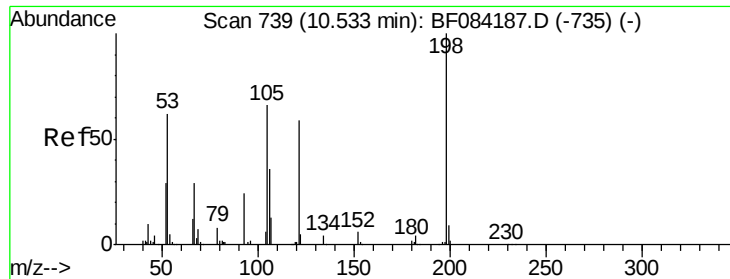
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.31 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF084545.D
 Acq: 19 Jan 2016 11:00

Tgt Ion:188 Resp: 850866
 Ion Ratio Lower Upper
 188 100
 94 11.8 9.0 13.4
 80 13.2 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

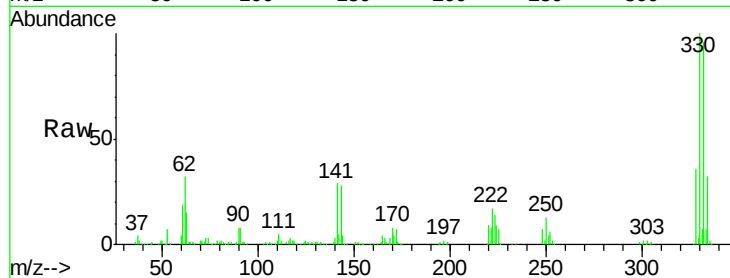




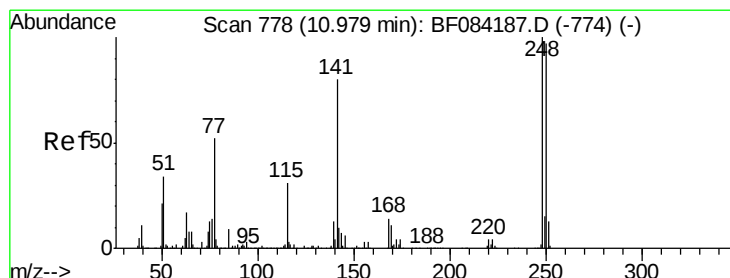
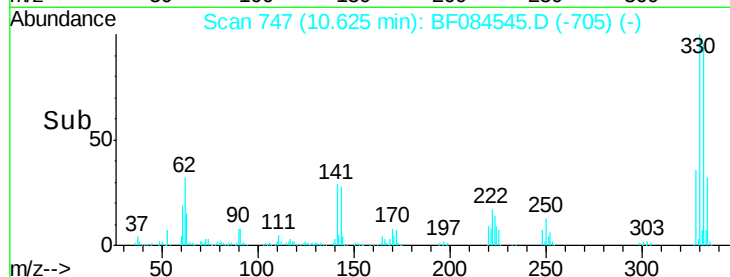
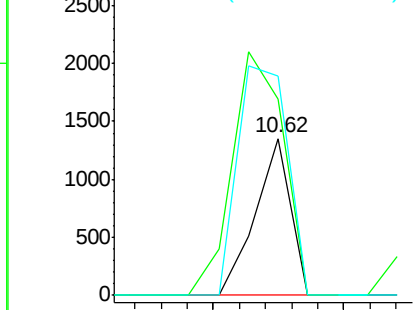
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.60 ng
 RT: 10.62 min Scan# 747
 Delta R.T. 0.18 min
 Lab File: BF084545.D
 Acq: 19 Jan 2016 11:00

Instrument :
 BNA_F
 ClientSampleId :
 PB87733TB

Tgt Ion:198 Resp: 1278
 Ion Ratio Lower Upper
 198 100
 51 125.6 18.9 58.9#
 105 139.5 26.4 66.4#

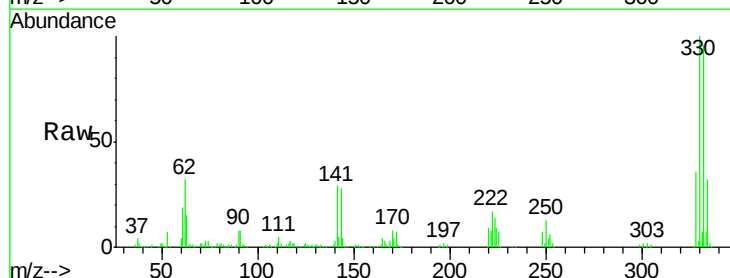


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

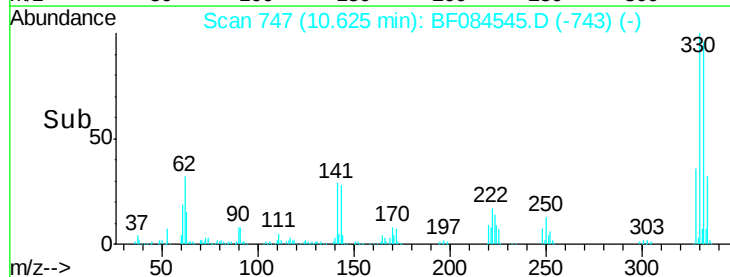
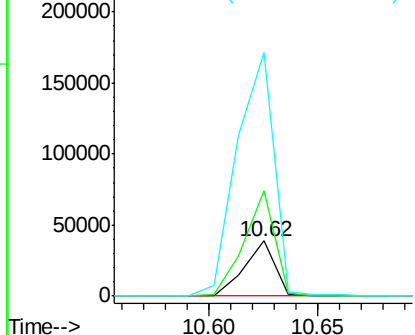


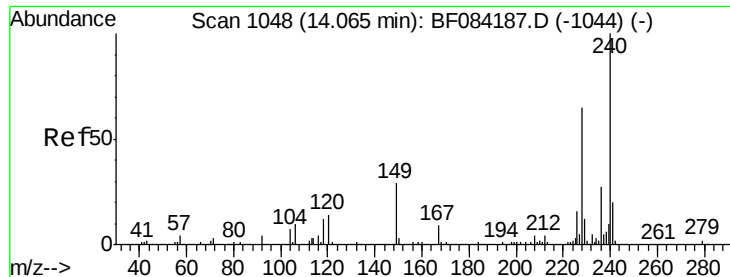
#66
 4-Bromophenyl-phenylether
 Concen: 4.13 ng
 RT: 10.62 min Scan# 747
 Delta R.T. -0.25 min
 Lab File: BF084545.D
 Acq: 19 Jan 2016 11:00

Tgt Ion:248 Resp: 37801
 Ion Ratio Lower Upper
 248 100
 250 191.4 78.4 117.6#
 141 441.5 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: BF084545.D

Acq: 19 Jan 2016 11:00

Instrument :

BNA_F

ClientSampleId :

PB87733TB

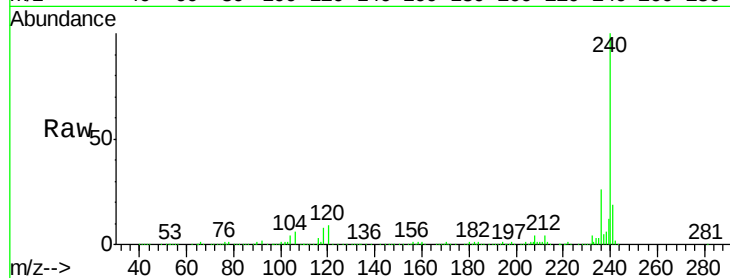
Tgt Ion:240 Resp: 842139

Ion Ratio Lower Upper

240 100

120 9.3 9.5 14.3#

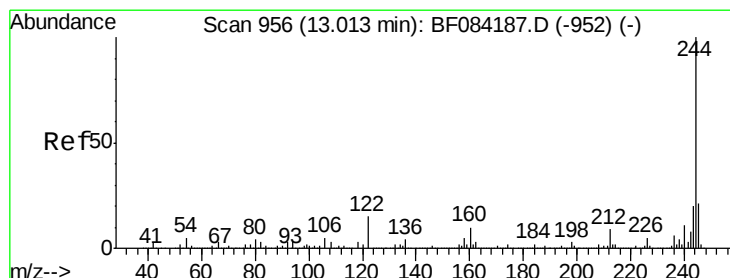
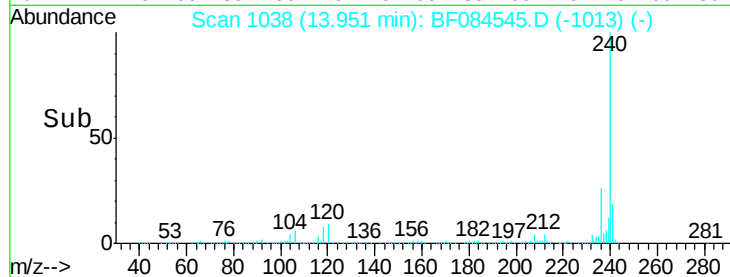
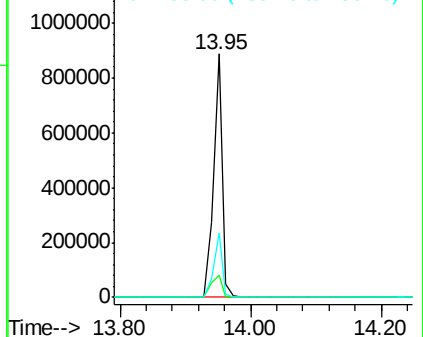
236 26.3 20.6 31.0



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: 61.82 ng

RT: 12.91 min Scan# 947

Delta R.T. 0.00 min

Lab File: BF084545.D

Acq: 19 Jan 2016 11:00

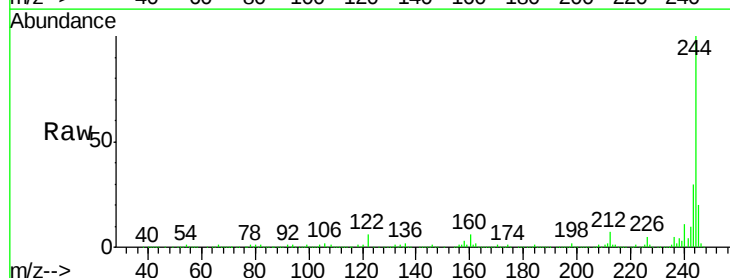
Tgt Ion:244 Resp: 2332345

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

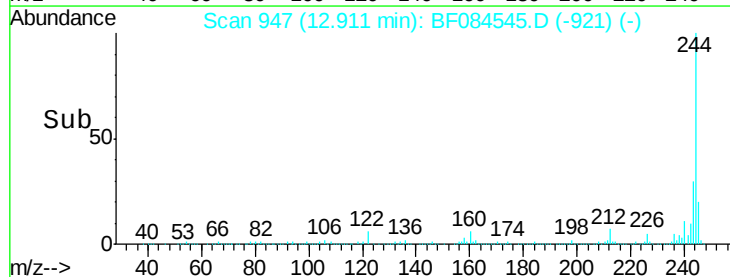
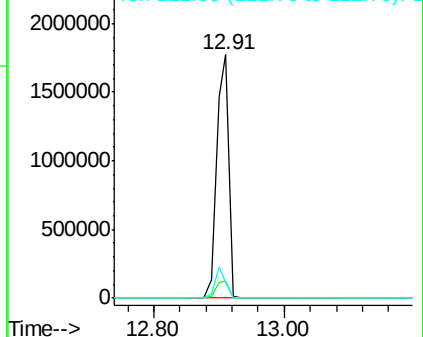
122 6.3 7.4 11.0#

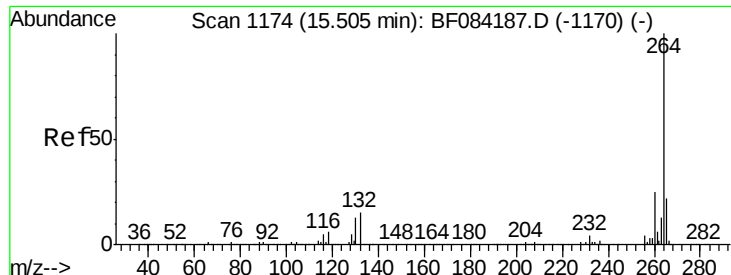


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

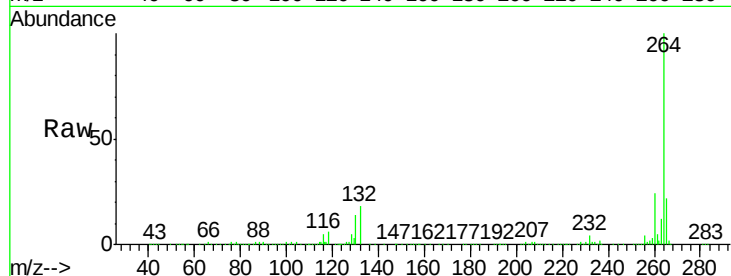




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BF084545.D
Acq: 19 Jan 2016 11:00

Instrument :
BNA_F
ClientSampleId :
PB87733TB

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.4	29.2
265	22.4	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

