

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121915\
 Data File : BF083945.D
 Acq On : 19 Dec 2015 6:34
 Operator : UM/SJ
 Sample : G4840-10
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-06

Quant Time: Dec 21 01:13:07 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 18 14:23:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	72750	20.00	ng	-0.01
21) Naphthalene-d8	8.14	136	213656	20.00	ng	-0.01
38) Acenaphthene-d10	9.90	164	127577	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	212642	20.00	ng	0.00
75) Chrysene-d12	14.02	240	153725	20.00	ng	-0.01
86) Perylene-d12	15.46	264	138666	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	277605	59.72	ng	0.00
7) Phenol-d6	6.51	99	206489	36.29	ng	0.00
23) Nitrobenzene-d5	7.44	82	461432	123.26	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	148365	105.56	ng	-0.01
44) 2-Fluorobiphenyl	9.23	172	822268	91.63	ng	-0.01
78) Terphenyl-d14	12.98	244	712217	110.18	ng	0.00

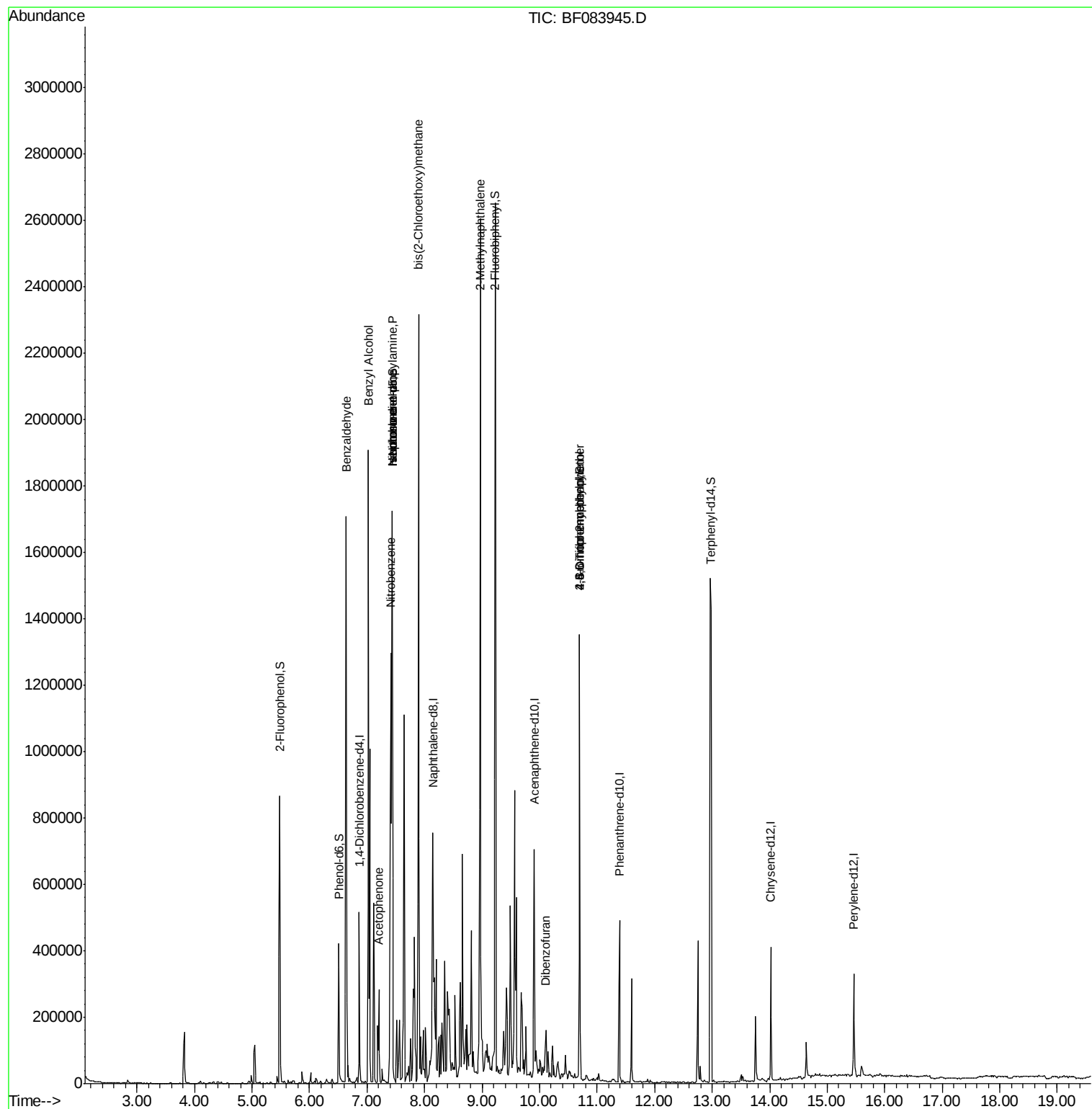
Target Compounds						Qvalue
9) Benzaldehyde	6.64	77	11070	3.23	ng	87
14) 1,2-Dichlorobenzene	7.04	146	787	Below	Cal	# 80
15) Benzyl Alcohol	7.02	79	10708	2.49	ng	# 34
18) Hexachloroethane	7.44	117	356531	159.95	ng	# 6
19) n-Nitroso-di-n-propylamine	7.44	70	64678	19.50	ng	# 77
22) Acetophenone	7.21	105	83840	16.30	ng	# 67
24) Nitrobenzene	7.41	77	62607	16.17	ng	# 22
25) Isophorone	7.44	82	434431	61.68	ng	# 66
28) bis(2-Chloroethoxy)methane	7.89	93	9313	2.24	ng	# 58
36) 4-Chloro-3-methylphenol	8.70	107	2967	Below	Cal	# 30
37) 2-Methylnaphthalene	8.97	142	696722	93.82	ng	# 94
45) 1,1'-Biphenyl	9.23	154	1813	Below	Cal	# 1
46) 2-Chloronaphthalene	9.33	162	274	Below	Cal	# 1
54) Dibenzofuran	10.11	168	29420	2.48	ng	# 92
57) Fluorene	10.45	166	21098	Below	Cal	# 98
64) 4,6-Dinitro-2-methylphenol	10.69	198	302	4.14	ng	# 1
66) 4-Bromophenyl-phenylether	10.69	248	10722	4.12	ng	# 1
77) Pyrene	12.97	202	2318	Below	Cal	# 56

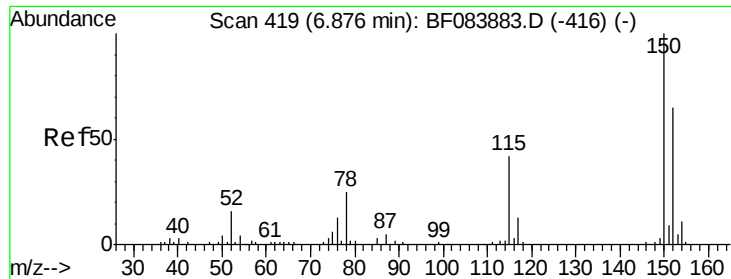
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.01 min

Lab File: BF083945.D

Acq: 19 Dec 2015 6:34

Instrument :

BNA_F

ClientSampleId :

W-06

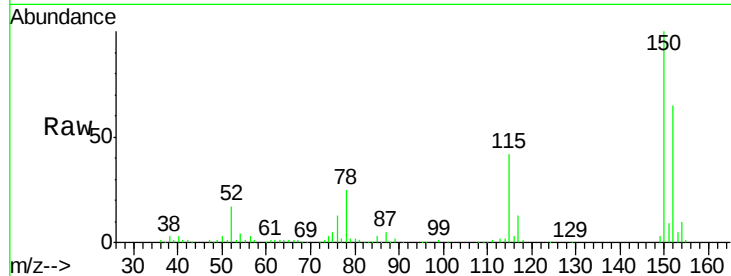
Tgt Ion:152 Resp: 72750

Ion Ratio Lower Upper

152 100

150 154.4 123.0 184.4

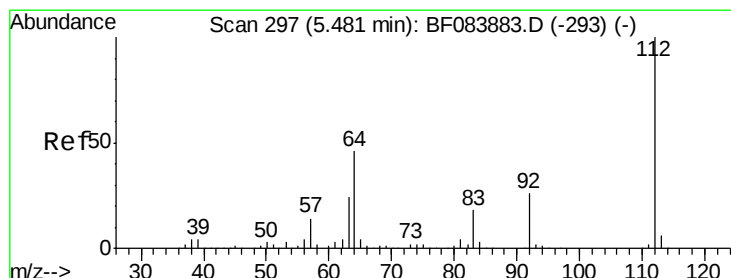
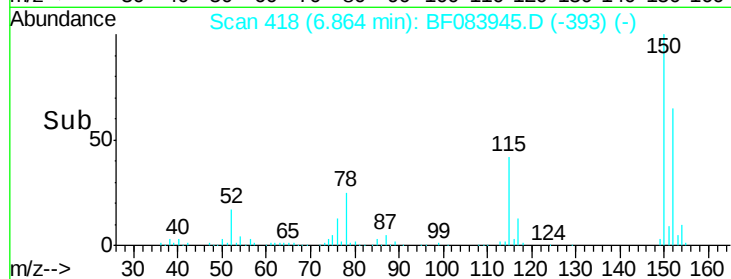
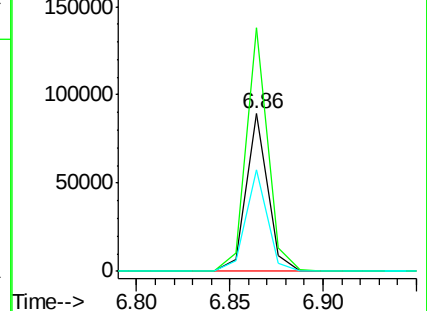
115 64.2 51.4 77.2



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: 59.72 ng

RT: 5.48 min Scan# 297

Delta R.T. -0.00 min

Lab File: BF083945.D

Acq: 19 Dec 2015 6:34

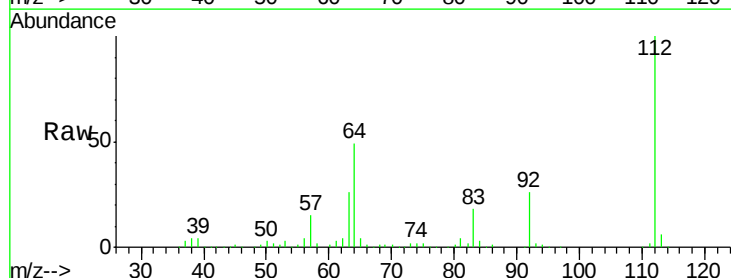
Tgt Ion:112 Resp: 277605

Ion Ratio Lower Upper

112 100

64 48.5 36.6 55.0

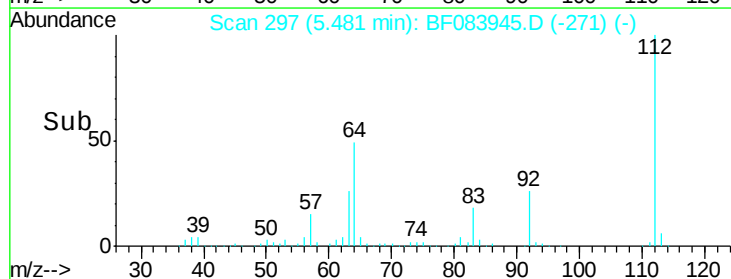
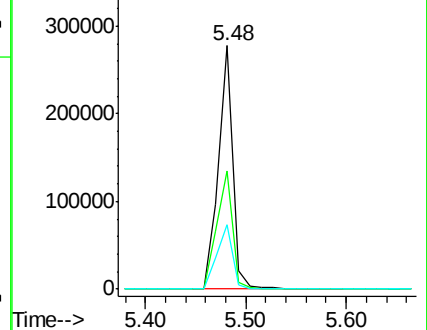
63 26.3 19.4 29.0

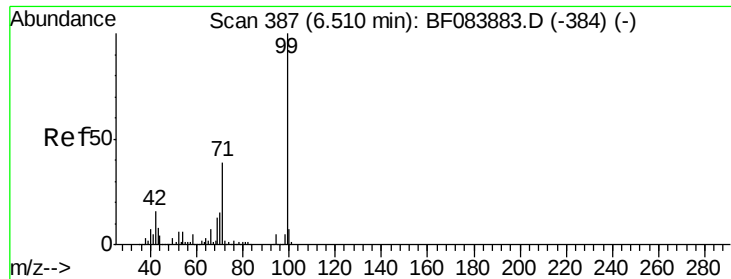


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 36.29 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.00 min

Lab File: BF083945.D

Acq: 19 Dec 2015 6:34

Instrument :

BNA_F

ClientSampleId :

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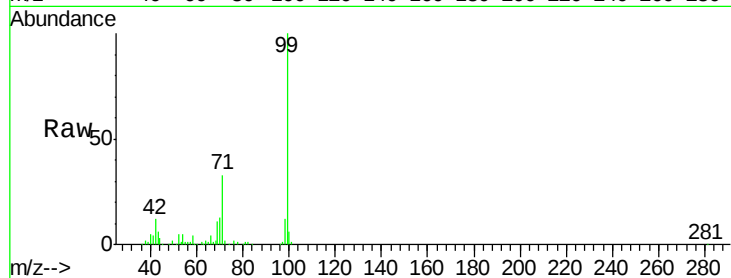
Tgt Ion: 99 Resp: 206489

Ion Ratio Lower Upper

99 100

42 11.8 12.8 19.2#

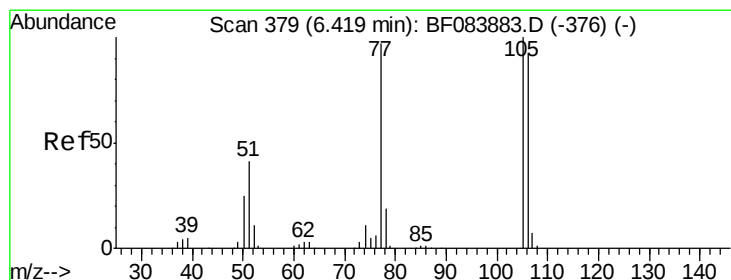
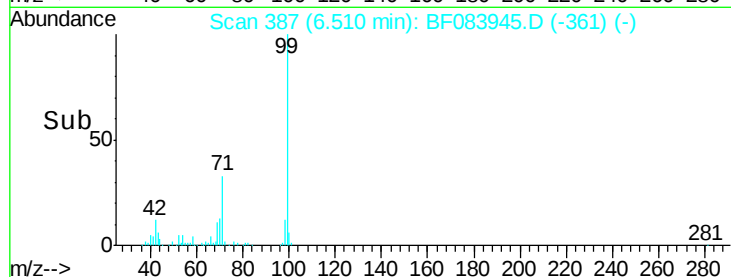
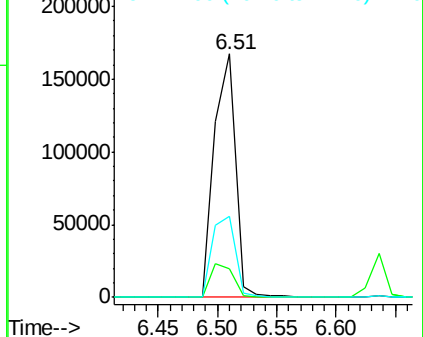
71 33.4 30.9 46.3



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: 3.23 ng

RT: 6.64 min Scan# 398

Delta R.T. 0.22 min

Lab File: BF083945.D

Acq: 19 Dec 2015 6:34

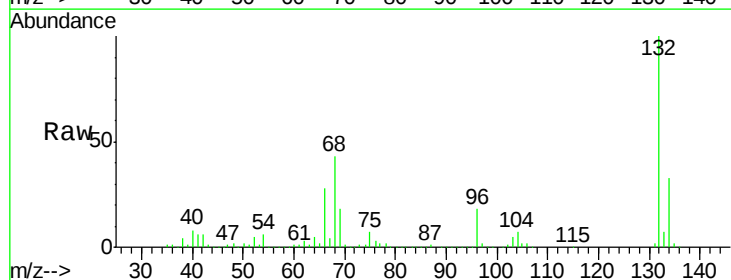
Tgt Ion: 77 Resp: 11070

Ion Ratio Lower Upper

77 100

105 84.9 83.0 123.0

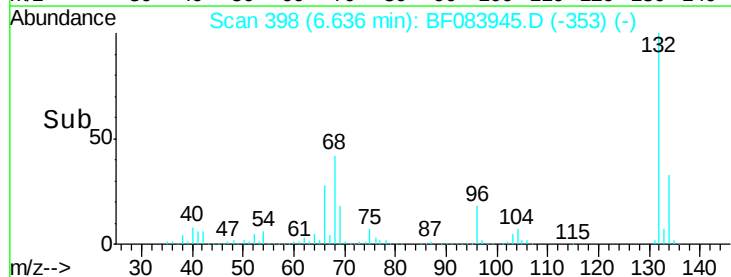
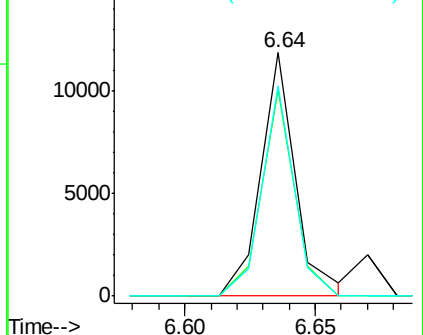
106 86.6 74.6 114.6

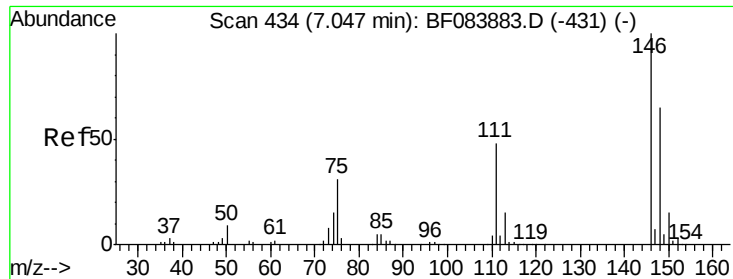


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#14

1,2-Dichlorobenzene

Concen: Below Cal

RT: 7.04 min Scan# 433

Delta R.T. -0.01 min

Lab File: BF083945.D

Acq: 19 Dec 2015 6:34

Instrument :

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ClientSampleId :

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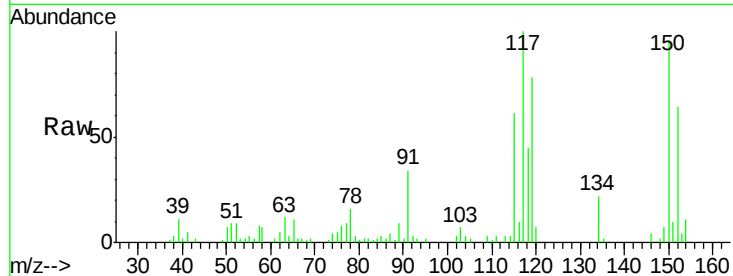
Tgt Ion:146 Resp: 787

Ion Ratio Lower Upper

146 100

148 67.3 51.6 77.4

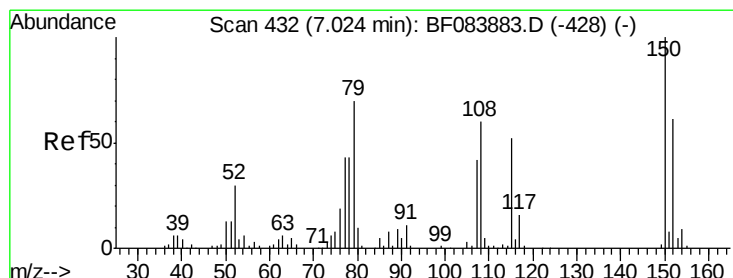
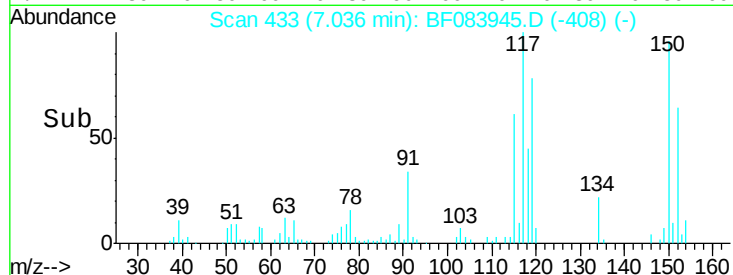
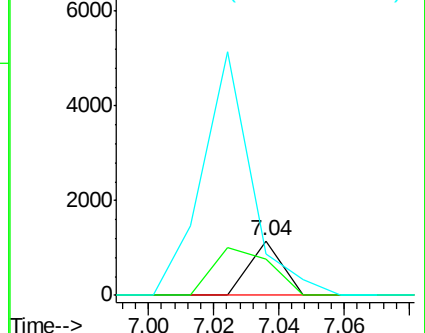
111 75.9 38.0 57.0#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 2.49 ng

RT: 7.02 min Scan# 432

Delta R.T. -0.00 min

Lab File: BF083945.D

Acq: 19 Dec 2015 6:34

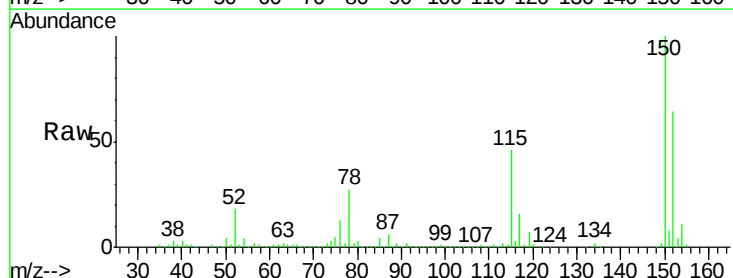
Tgt Ion: 79 Resp: 10708

Ion Ratio Lower Upper

79 100

108 29.9 69.0 103.4#

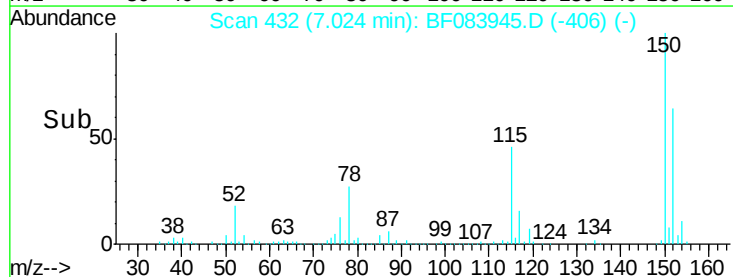
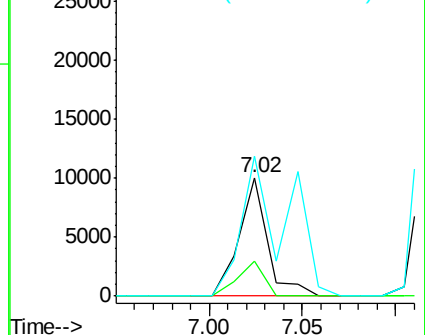
77 117.9 50.0 75.0#

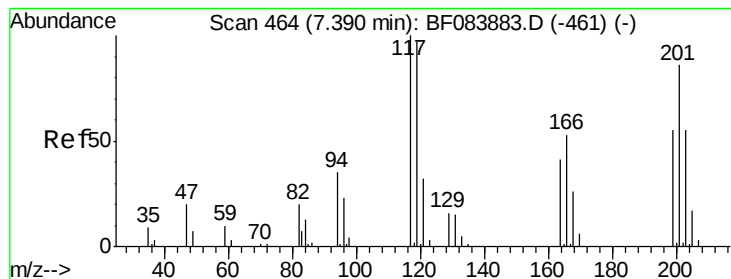


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0





#18

Hexachloroethane

Concen: 159.95 ng

RT: 7.44 min Scan# 468

Delta R.T. 0.05 min

Lab File: BF083945.D

Acq: 19 Dec 2015 6:34

Instrument :

BNA_F

ClientSampleId :

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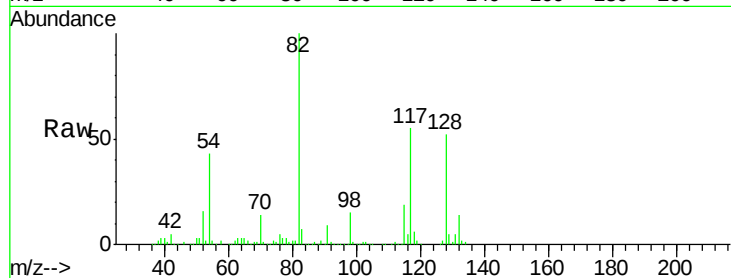
Tgt Ion: 117 Resp: 356531

Ion Ratio Lower Upper

117 100

119 3.8 77.4 116.0#

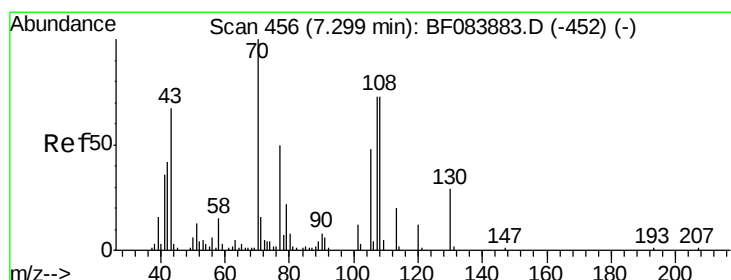
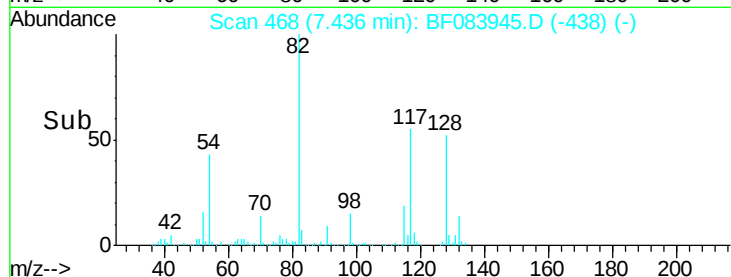
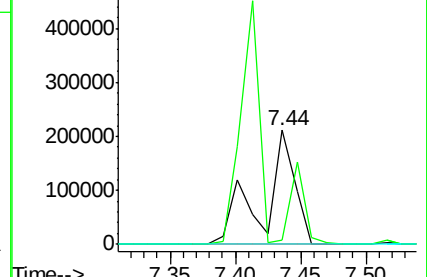
201 0.0 68.6 103.0#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 19.50 ng

RT: 7.44 min Scan# 468

Delta R.T. 0.14 min

Lab File: BF083945.D

Acq: 19 Dec 2015 6:34

Tgt Ion: 70 Resp: 64678

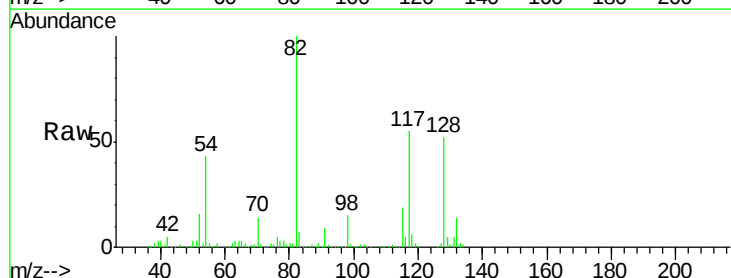
Ion Ratio Lower Upper

70 100

42 36.8 33.3 49.9

101 1.7 9.3 13.9#

130 5.4 23.4 35.0#

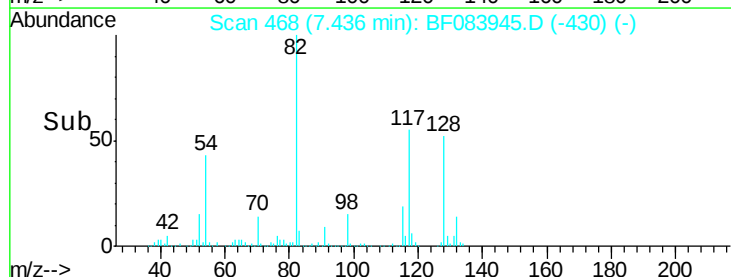
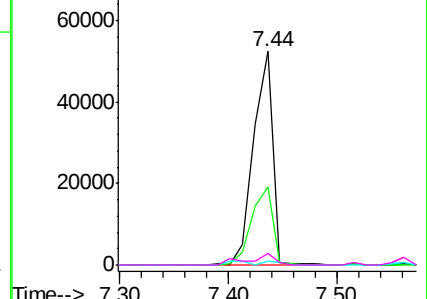


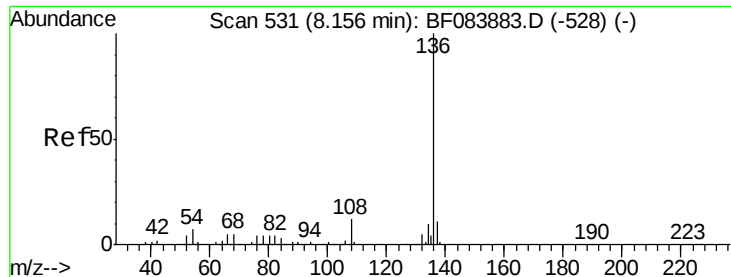
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

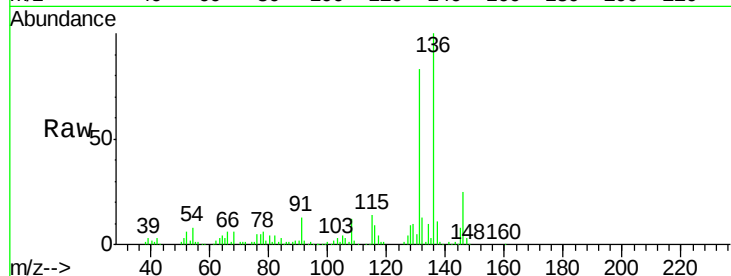




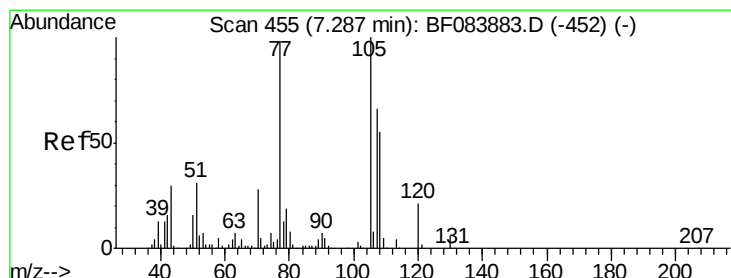
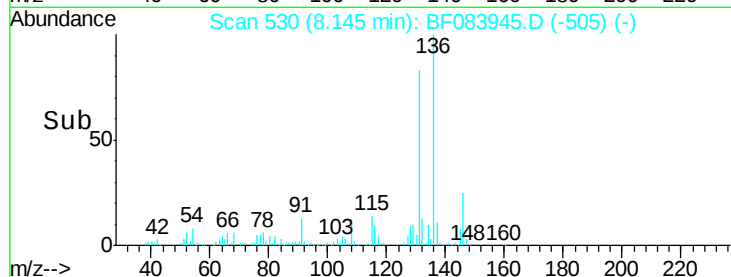
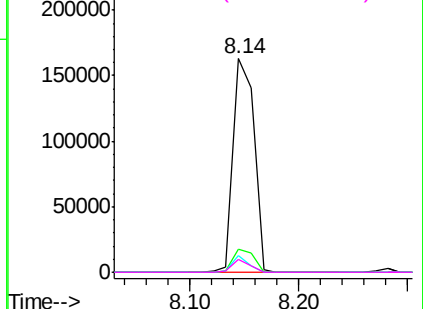
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 530
Delta R.T. -0.01 min
Lab File: BF083945.D
Acq: 19 Dec 2015 6:34

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:	136	Resp:	213656
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	7.9	5.8	8.8
68	6.2	4.2	6.2

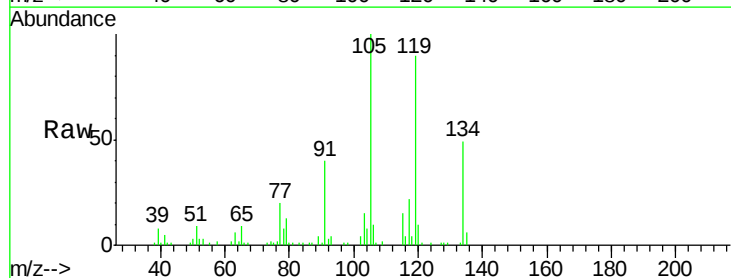


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

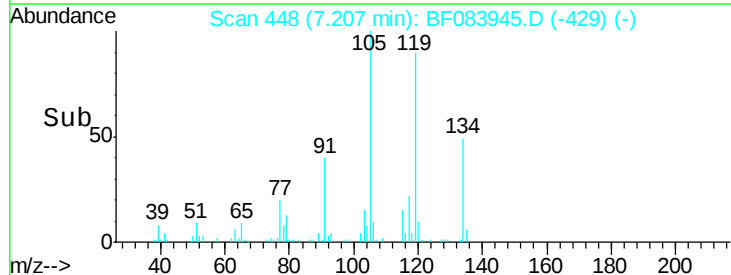
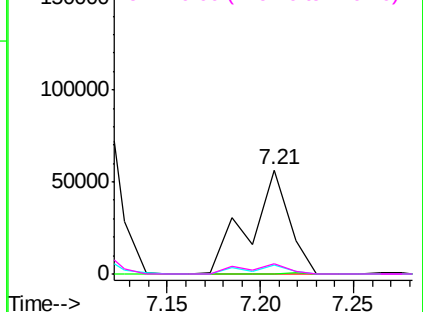


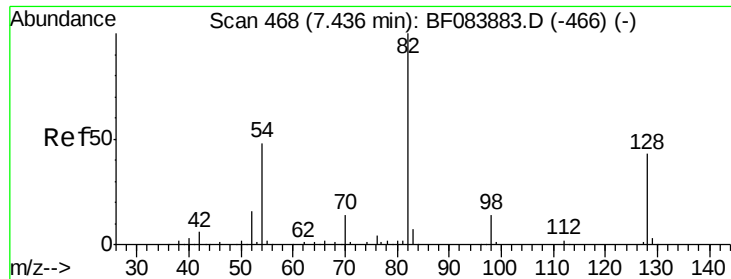
#22
Acetophenone
Concen: 16.30 ng
RT: 7.21 min Scan# 448
Delta R.T. -0.08 min
Lab File: BF083945.D
Acq: 19 Dec 2015 6:34

Tgt Ion:	105	Resp:	83840
Ion	Ratio	Lower	Upper
105	100		
71	0.0	3.7	5.5#
51	8.5	25.1	37.7#
120	9.6	16.6	25.0#



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF0
Ion 51.00 (50.70 to 51.70): BF0
Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 123.26 ng

RT: 7.44 min Scan# 468

Delta R.T. -0.00 min

Lab File: BF083945.D

Acq: 19 Dec 2015 6:34

Instrument :

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ClientSampleId :

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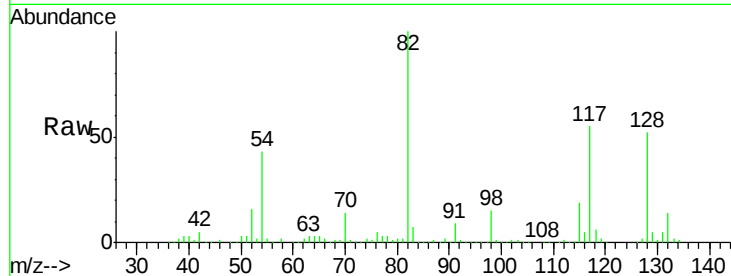
Tgt Ion: 82 Resp: 461432

Ion Ratio Lower Upper

82 100

128 51.6 34.6 51.8

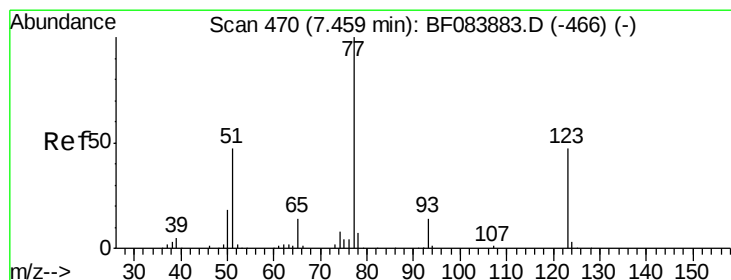
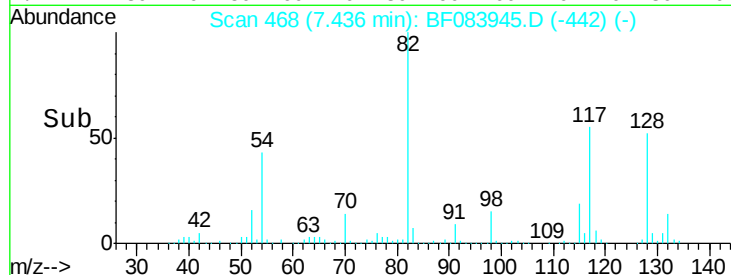
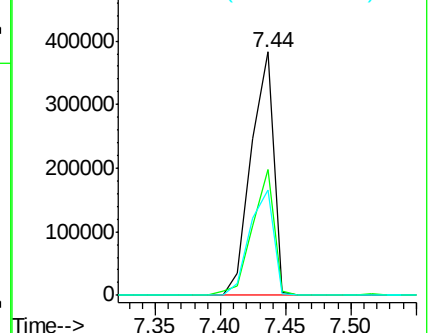
54 43.2 38.4 57.6



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



#24

Nitrobenzene

Concen: 16.17 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.05 min

Lab File: BF083945.D

Acq: 19 Dec 2015 6:34

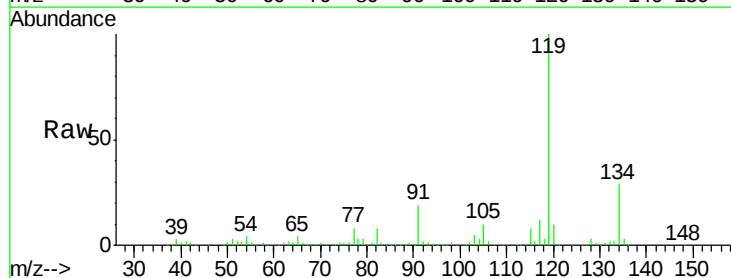
Tgt Ion: 77 Resp: 62607

Ion Ratio Lower Upper

77 100

123 0.0 37.4 56.2#

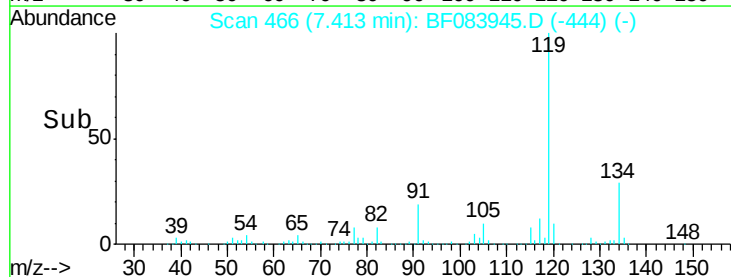
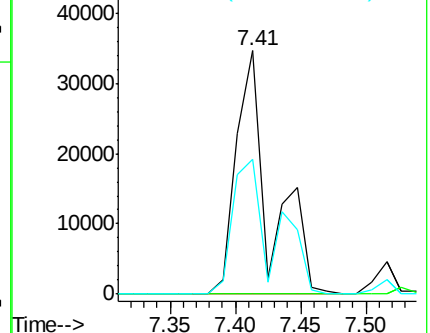
65 55.2 10.9 16.3#

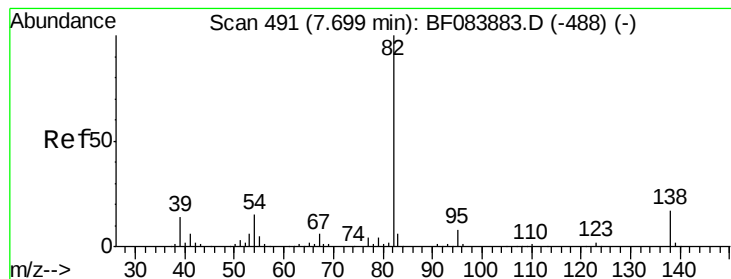


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 61.68 ng

RT: 7.44 min Scan# 468

Delta R.T. -0.26 min

Lab File: BF083945.D

Acq: 19 Dec 2015 6:34

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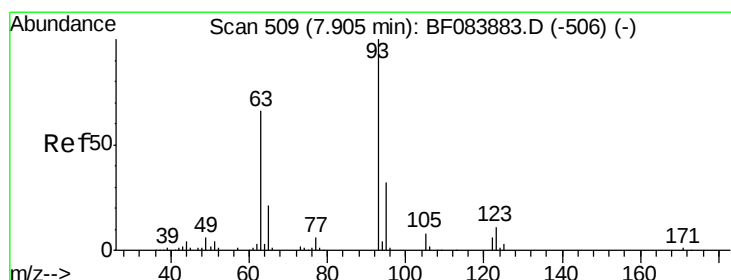
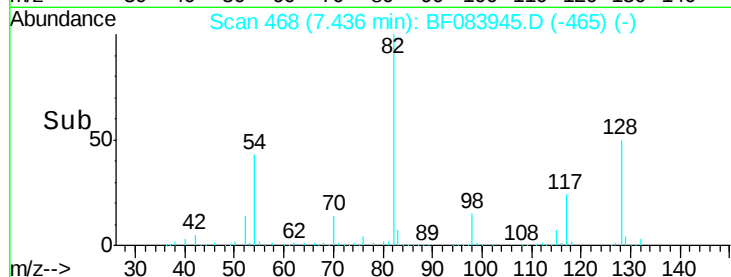
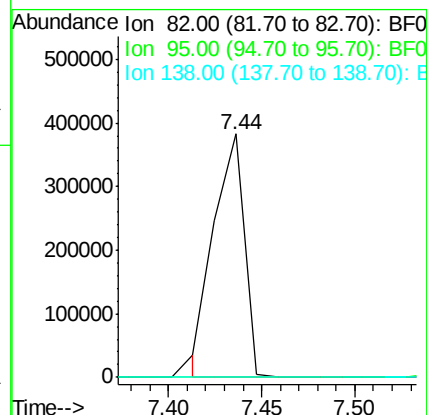
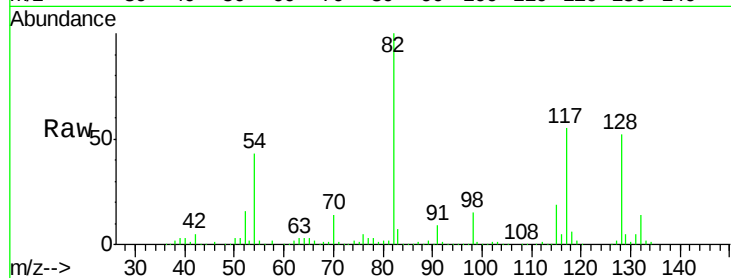
Tgt Ion: 82 Resp: 434431

Ion Ratio Lower Upper

82 100

95 0.2 6.6 10.0#

138 0.0 13.6 20.4#



#28

bis(2-Chloroethoxy)methane

Concen: 2.24 ng

RT: 7.89 min Scan# 508

Delta R.T. -0.01 min

Lab File: BF083945.D

Acq: 19 Dec 2015 6:34

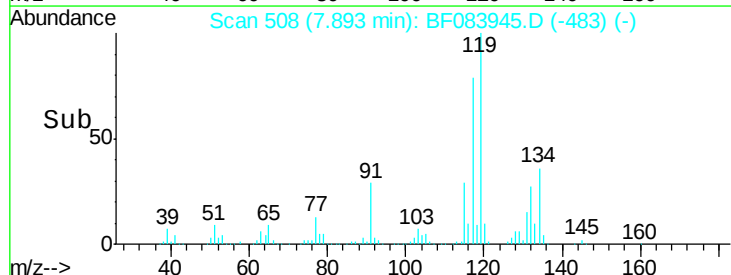
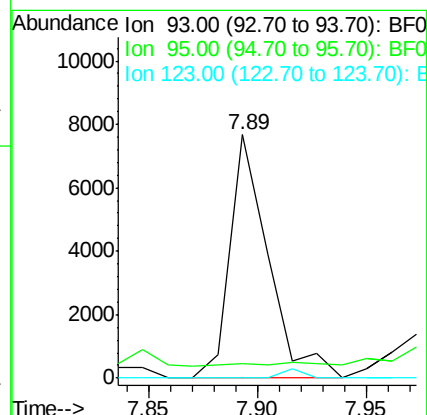
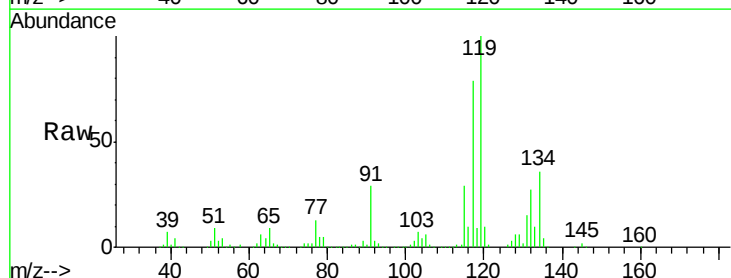
Tgt Ion: 93 Resp: 9313

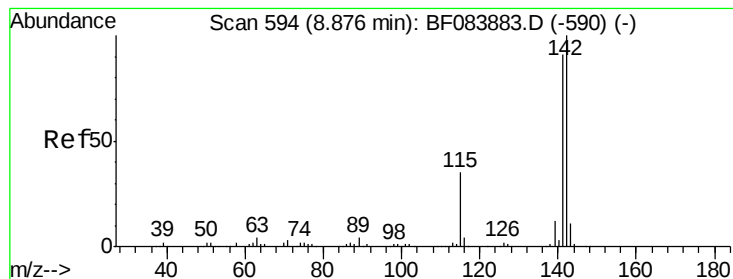
Ion Ratio Lower Upper

93 100

95 6.0 25.8 38.6#

123 0.0 8.6 12.8#

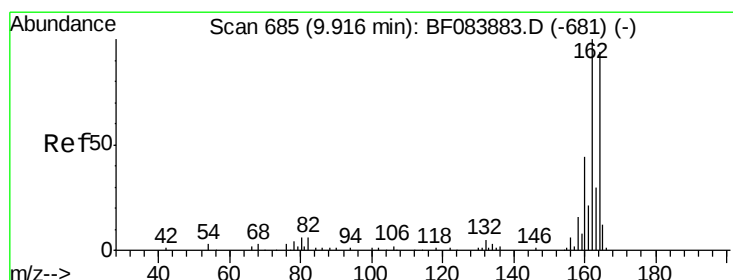
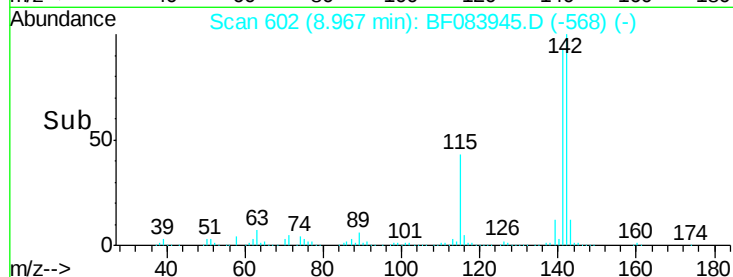
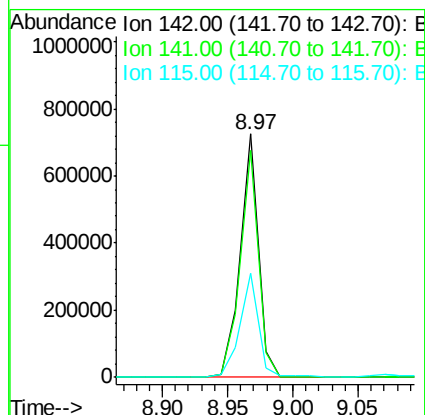
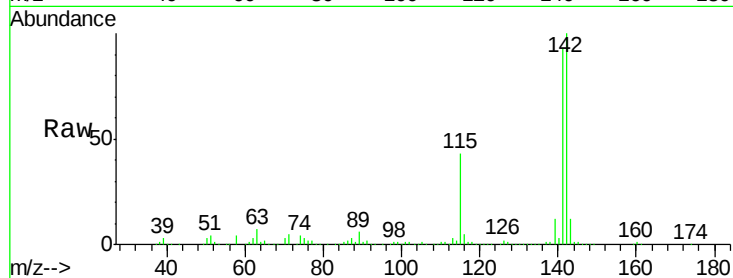




#37
 2-Methylnaphthalene
 Concen: 93.82 ng
 RT: 8.97 min Scan# 602
 Delta R.T. 0.09 min
 Lab File: BF083945.D
 Acq: 19 Dec 2015 6:34

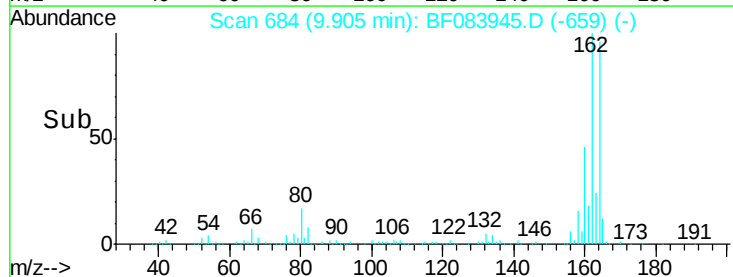
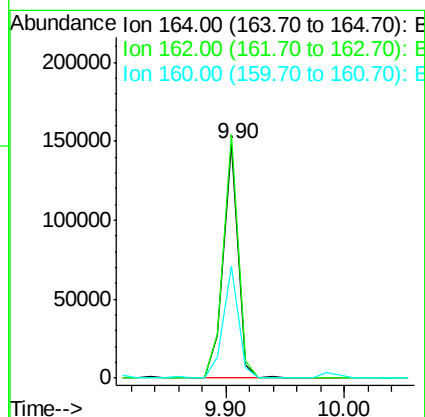
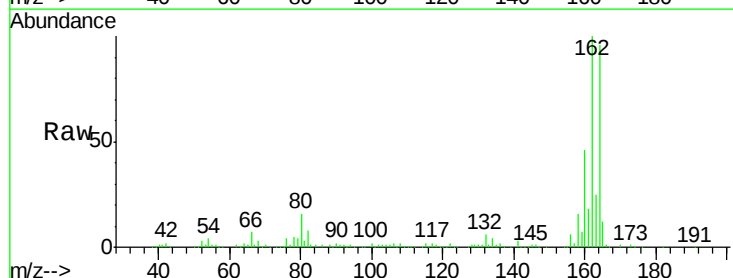
Instrument :
 BNA_F
 ClientSampleId :
 W-06

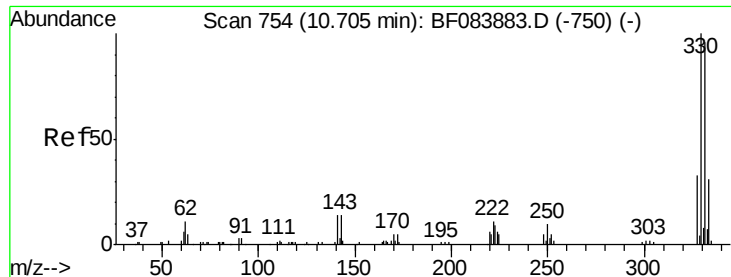
Tgt Ion:142 Resp: 696722
 Ion Ratio Lower Upper
 142 100
 141 93.1 72.4 108.6
 115 43.0 27.9 41.9#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 684
 Delta R.T. -0.01 min
 Lab File: BF083945.D
 Acq: 19 Dec 2015 6:34

Tgt Ion:164 Resp: 127577
 Ion Ratio Lower Upper
 164 100
 162 104.1 85.1 127.7
 160 47.9 37.5 56.3

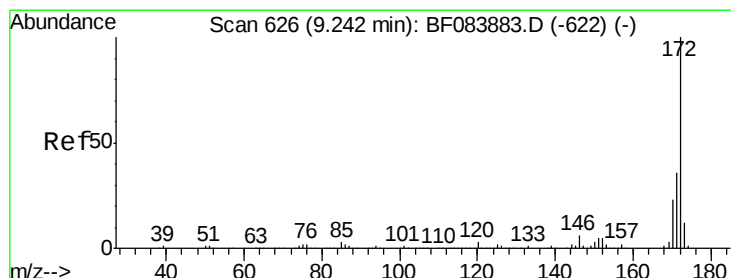
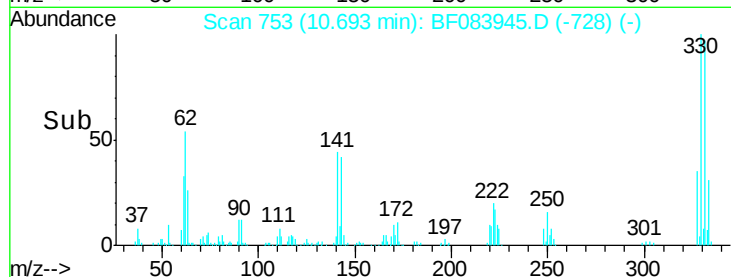
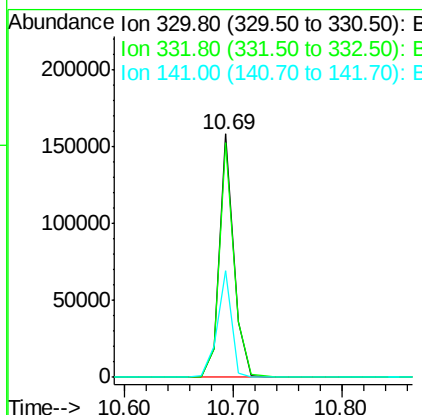
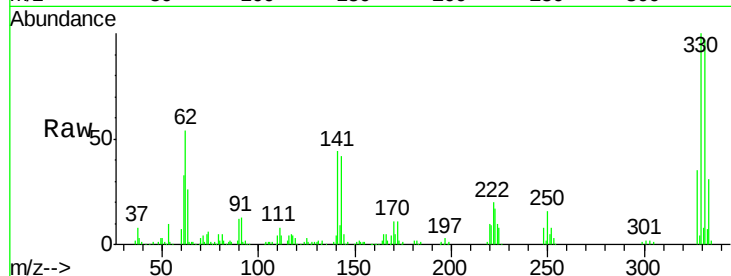




#41
 2,4,6-Tribromophenol
 Concen: 105.56 ng
 RT: 10.69 min Scan# 753
 Delta R.T. -0.01 min
 Lab File: BF083945.D
 Acq: 19 Dec 2015 6:34

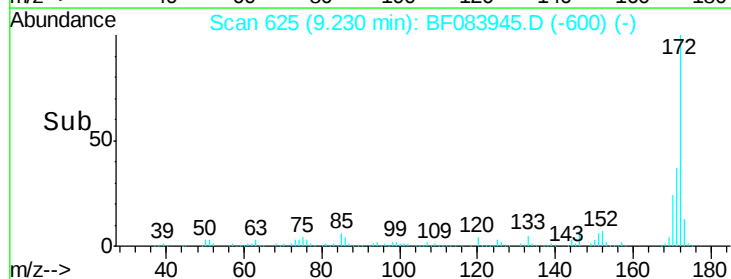
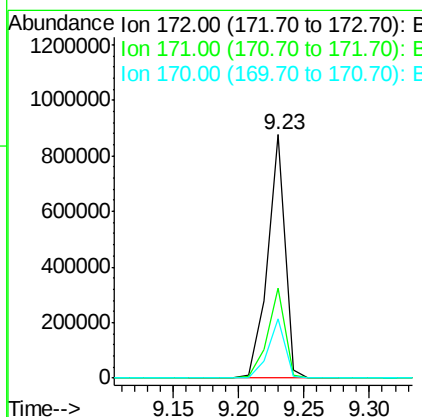
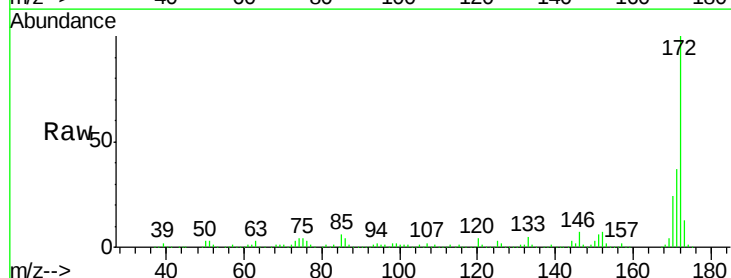
Instrument :
 BNA_F
 ClientSampleId :
 W-06

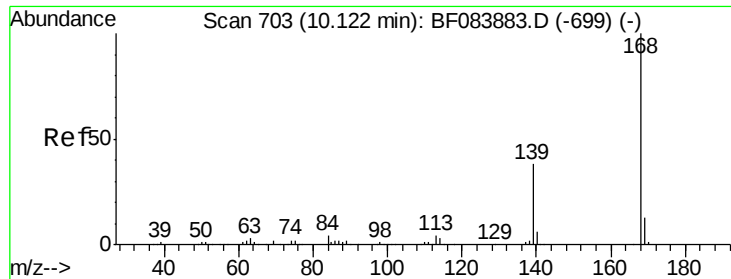
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.6	76.6	114.8
141	44.3	27.8	41.6



#44
 2-Fluorobiphenyl
 Concen: 91.63 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.01 min
 Lab File: BF083945.D
 Acq: 19 Dec 2015 6:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	28.9	43.3
170	24.4	18.6	27.8





#54

Dibenzofuran

Concen: 2.48 ng

RT: 10.11 min Scan# 702

Delta R.T. -0.01 min

Lab File: BF083945.D

Acq: 19 Dec 2015 6:34

Instrument :

BNA_F

ClientSampleId :

W-06

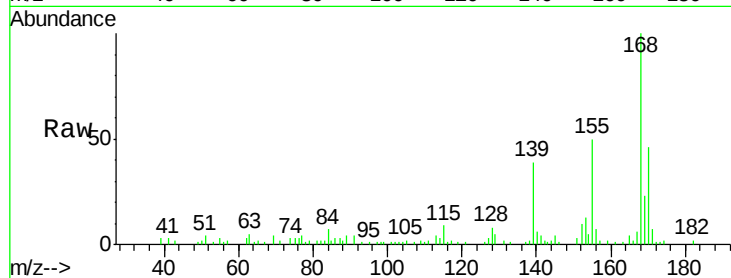
Tgt Ion:168 Resp: 29420

Ion Ratio Lower Upper

168 100

139 39.4 30.5 45.7

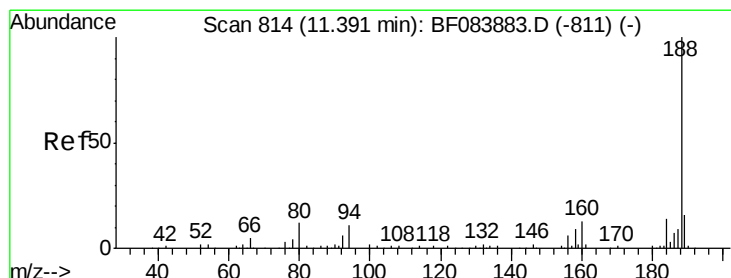
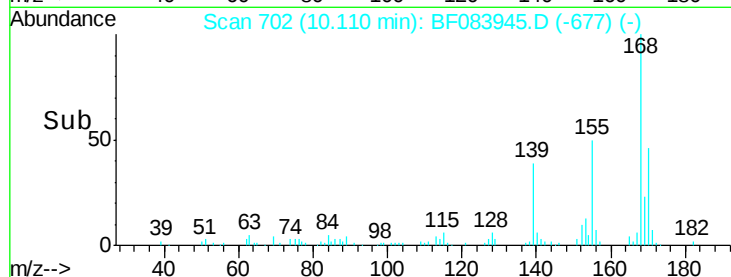
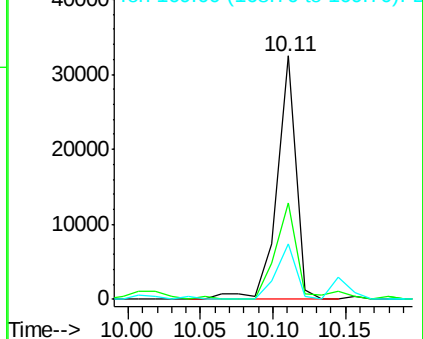
169 22.8 10.4 15.6#



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.00 min

Lab File: BF083945.D

Acq: 19 Dec 2015 6:34

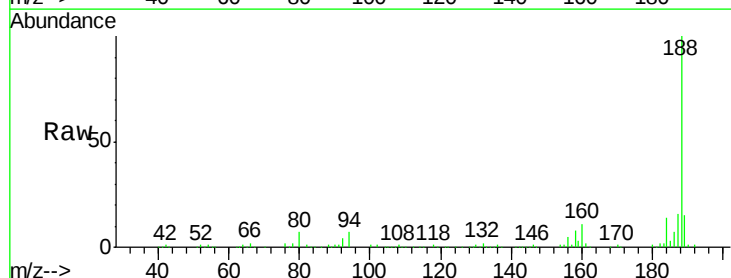
Tgt Ion:188 Resp: 212642

Ion Ratio Lower Upper

188 100

94 6.6 9.0 13.4#

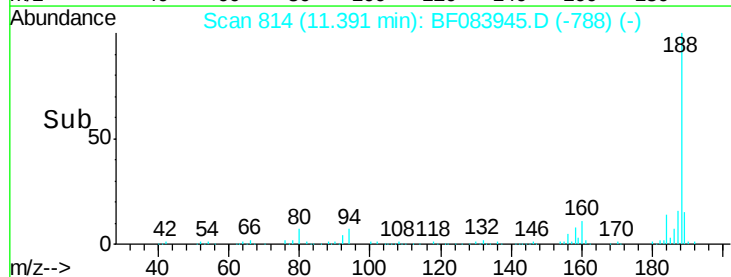
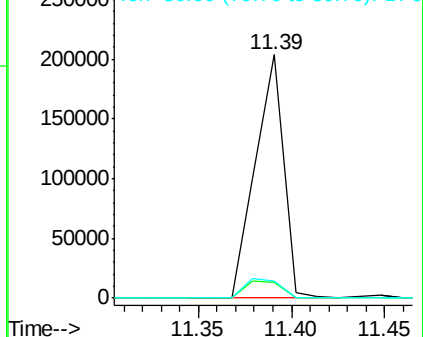
80 6.8 9.6 14.4#

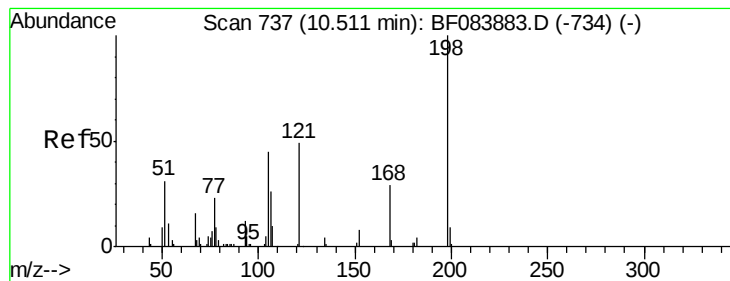


Abundance Ion 188.00 (187.70 to 188.70): E

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: 4.14 ng

RT: 10.69 min Scan# 753

Delta R.T. 0.18 min

Lab File: BF083945.D

Acq: 19 Dec 2015 6:34

Instrument :

BNA_F

ClientSampleId :

W-06

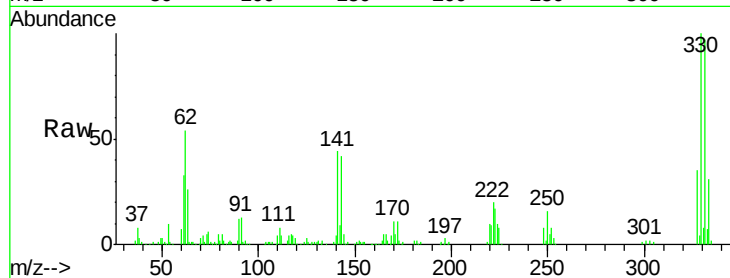
Tgt Ion:198 Resp: 302

Ion Ratio Lower Upper

198 100

51 246.4 18.9 58.9#

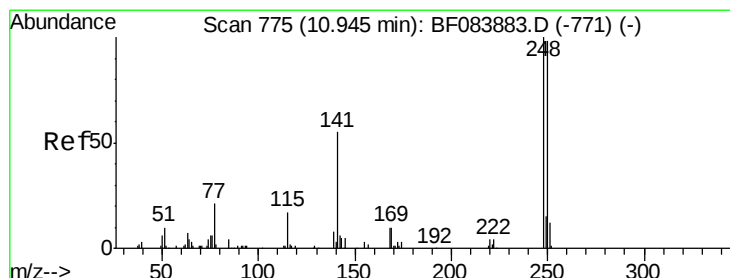
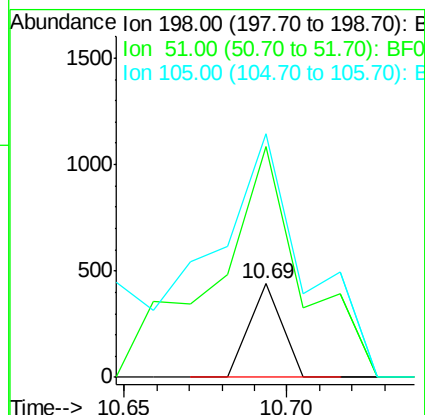
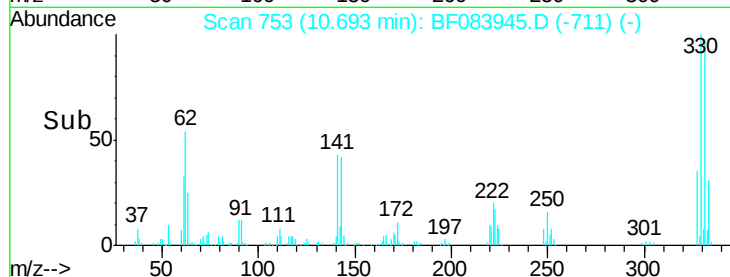
105 260.0 26.4 66.4#



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: 4.12 ng

RT: 10.69 min Scan# 753

Delta R.T. -0.25 min

Lab File: BF083945.D

Acq: 19 Dec 2015 6:34

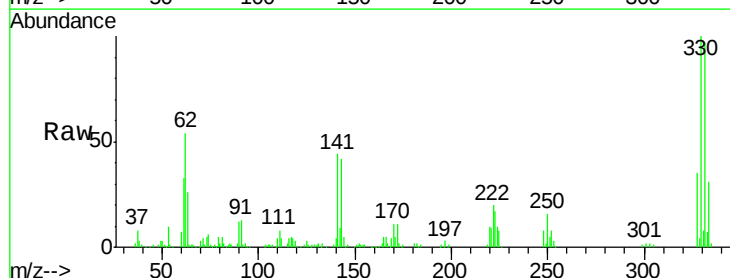
Tgt Ion:248 Resp: 10722

Ion Ratio Lower Upper

248 100

250 203.7 78.4 117.6#

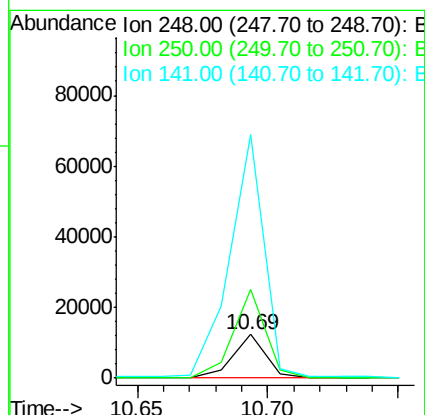
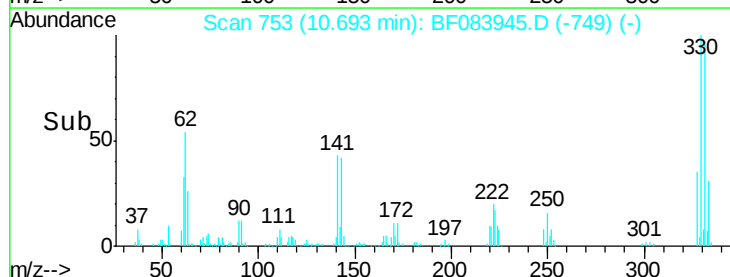
141 556.8 44.0 66.0#

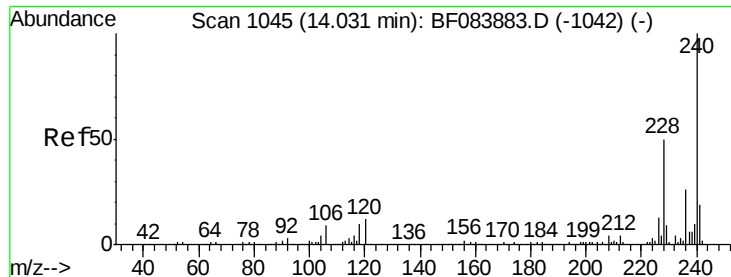


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

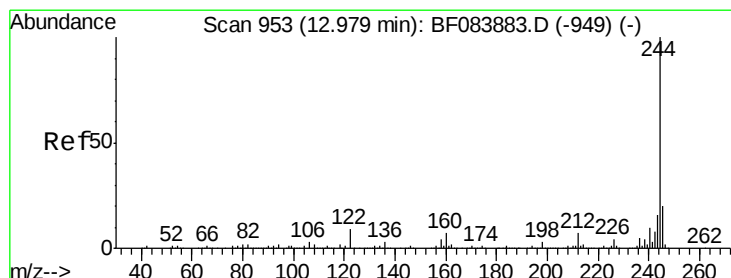
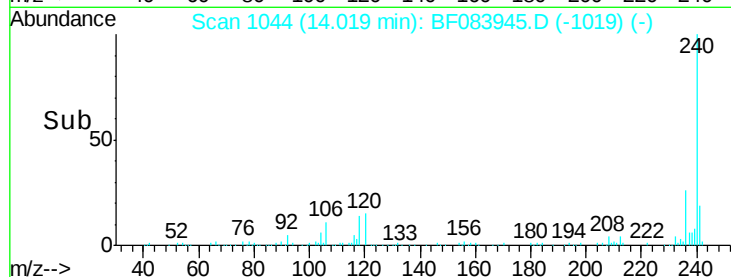
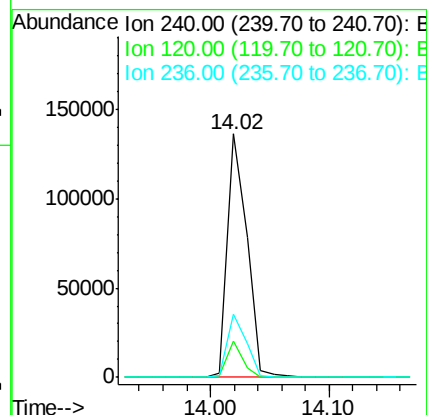
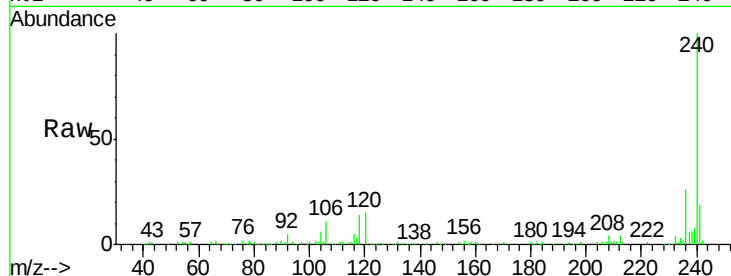




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.02 min Scan# 1044
Delta R.T. -0.01 min
Lab File: BF083945.D
Acq: 19 Dec 2015 6:34

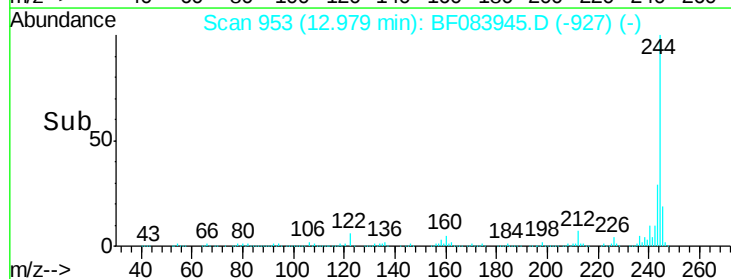
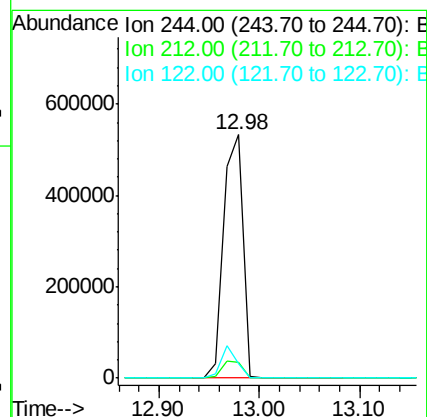
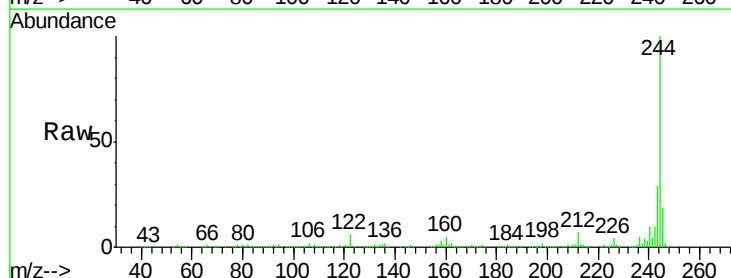
Instrument :
BNA_F
ClientSampleId :
W-06

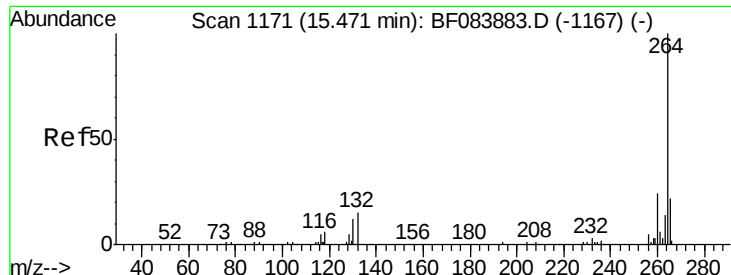
Tgt Ion:240 Resp: 153725
Ion Ratio Lower Upper
240 100
120 14.7 9.5 14.3#
236 25.9 20.6 31.0



#78
Terphenyl-d14
Concen: 110.18 ng
RT: 12.98 min Scan# 953
Delta R.T. 0.00 min
Lab File: BF083945.D
Acq: 19 Dec 2015 6:34

Tgt Ion:244 Resp: 712217
Ion Ratio Lower Upper
244 100
212 6.6 5.7 8.5
122 6.0 7.4 11.0#





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 1170
Delta R.T. -0.01 min
Lab File: BF083945.D
Acq: 19 Dec 2015 6:34

Instrument :
BNA_F
ClientSampleId :
W-06

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.4	29.2
265	22.3	17.8	26.6

