

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020916\
 Data File : BF084960.D
 Acq On : 9 Feb 2016 19:02
 Operator : SJ/IZ
 Sample : H1386-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B001(47-49)

Quant Time: Feb 10 03:25:38 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

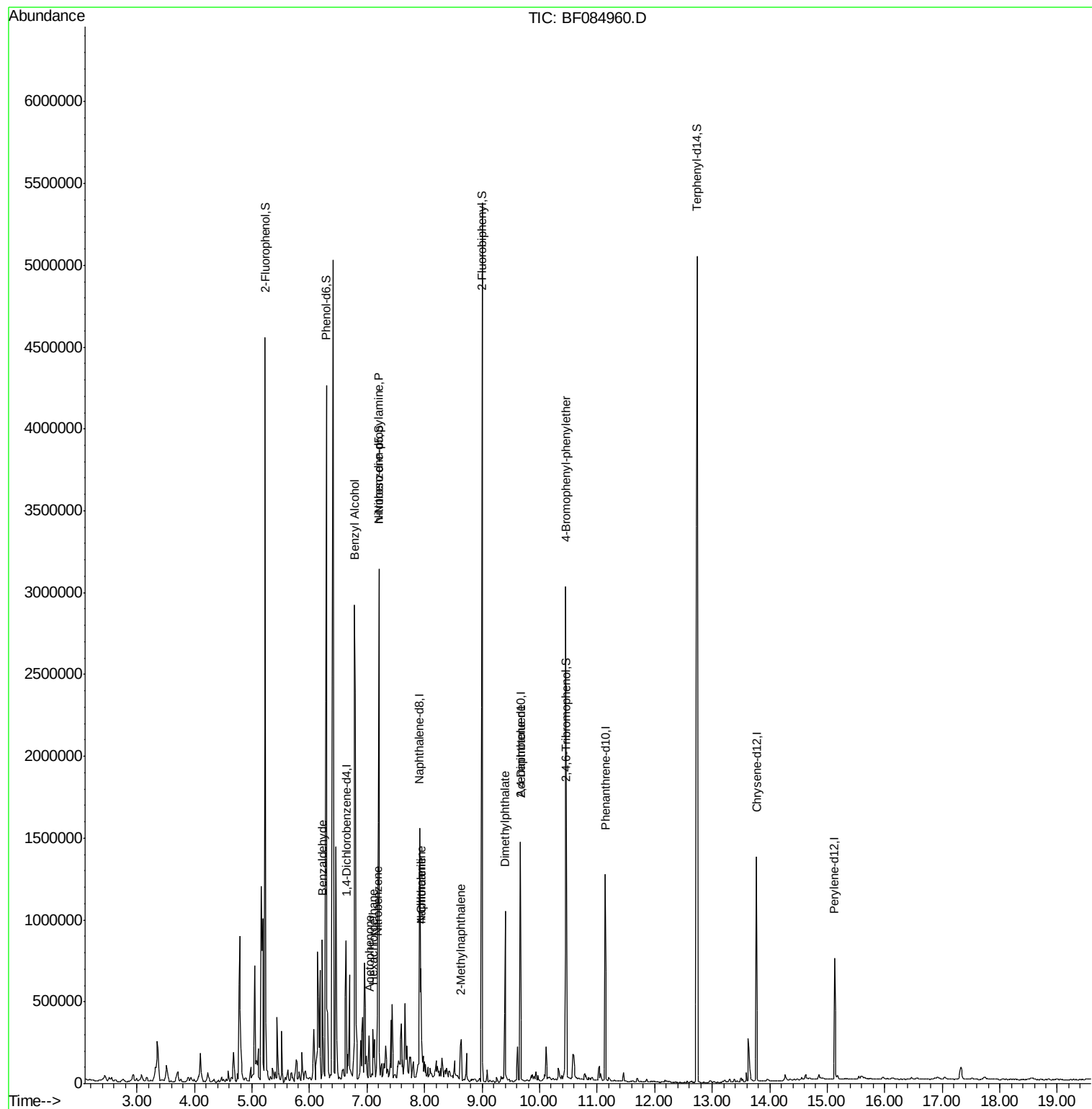
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	147668	20.00	ng	-0.05
21) Naphthalene-d8	7.92	136	579377	20.00	ng	-0.06
38) Acenaphthene-d10	9.66	164	293369	20.00	ng	-0.07
63) Phenanthrene-d10	11.14	188	548078	20.00	ng	-0.07
75) Chrysene-d12	13.77	240	472871	20.00	ng	-0.07
86) Perylene-d12	15.13	264	338488	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	1353836	142.80	ng	-0.05
7) Phenol-d6	6.29	99	1602320	136.33	ng	-0.05
23) Nitrobenzene-d5	7.21	82	1070851	104.12	ng	-0.06
41) 2,4,6-Tribromophenol	10.46	330	503111	164.41	ng	-0.06
44) 2-Fluorobiphenyl	9.00	172	1784785	117.34	ng	-0.06
78) Terphenyl-d14	12.74	244	2009957	96.32	ng	-0.06
Target Compounds						
9) Benzaldehyde	6.22	77	27541	3.97	ng	# 1
15) Benzyl Alcohol	6.78	79	20886	2.57	ng	# 46
18) Hexachloroethane	7.10	117	17821	4.08	ng	# 1
19) n-Nitroso-di-n-propylamine	7.21	70	155260	21.07	ng	# 73
22) Acetophenone	7.04	105	66538	4.36	ng	# 53
24) Nitrobenzene	7.18	77	25348	2.30	ng	# 21
31) Naphthalene	7.94	128	250803	8.63	ng	# 98
33) 4-Chloroaniline	7.94	127	38342	3.19	ng	# 33
37) 2-Methylnaphthalene	8.64	142	97131	5.34	ng	# 95
49) Dimethylphthalate	9.40	163	453645	20.30	ng	# 91
56) 2,4-Dinitrotoluene	9.66	165	36375	5.84	ng	# 21
66) 4-Bromophenyl-phenylether	10.45	248	27606	4.56	ng	# 1

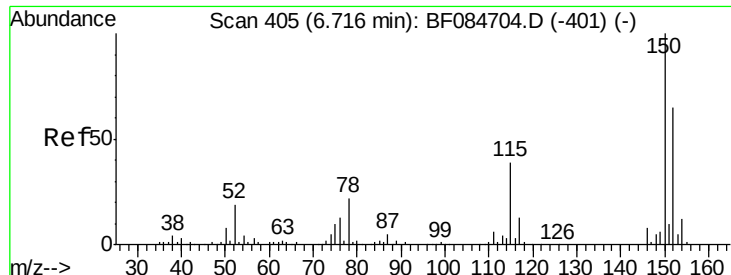
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 398

Delta R.T. -0.05 min

Lab File: BF084960.D

Acq: 9 Feb 2016 19:02

Instrument :

BNA_F

ClientSampleId :

S4-B001(47-49)

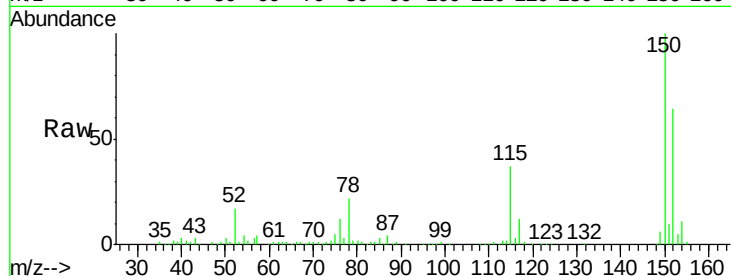
Tgt Ion:152 Resp: 147668

Ion Ratio Lower Upper

152 100

150 156.1 123.0 184.4

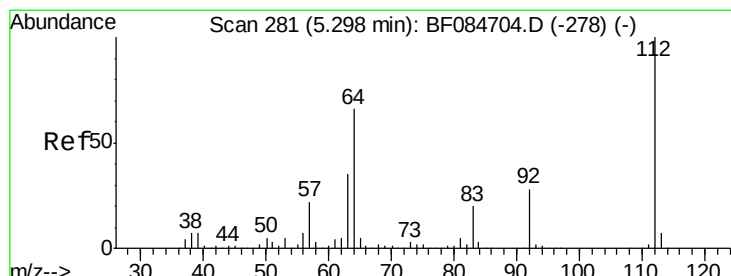
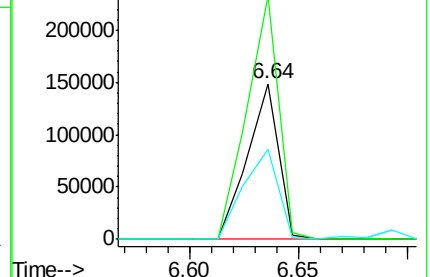
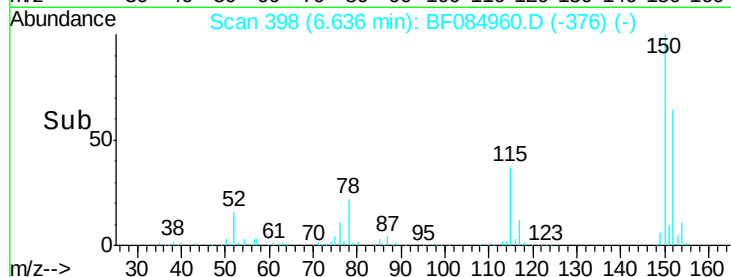
115 57.5 51.4 77.2



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: 142.80 ng

RT: 5.23 min Scan# 275

Delta R.T. -0.05 min

Lab File: BF084960.D

Acq: 9 Feb 2016 19:02

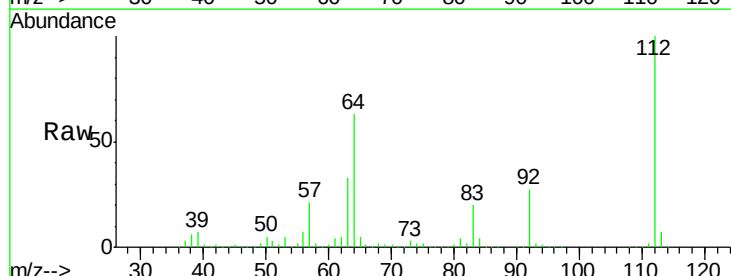
Tgt Ion:112 Resp: 1353836

Ion Ratio Lower Upper

112 100

64 63.1 36.6 55.0#

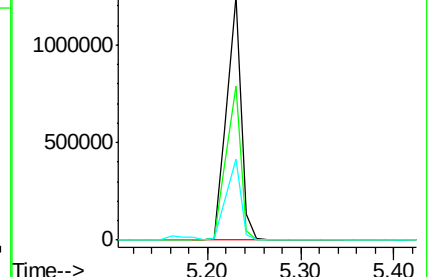
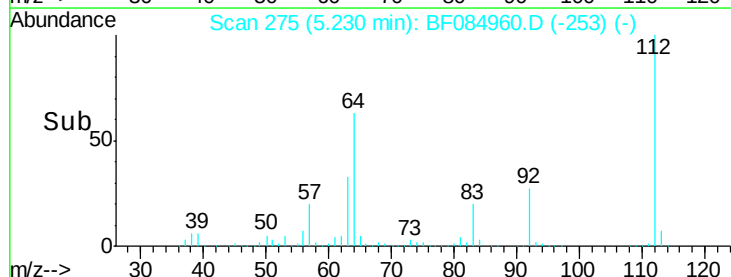
63 33.3 19.4 29.0#

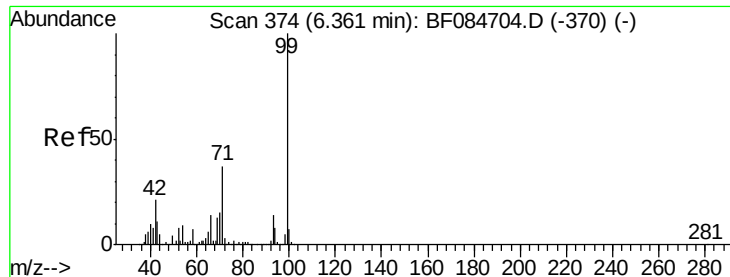


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 136.33 ng

RT: 6.29 min Scan# 368

Delta R.T. -0.05 min

Lab File: BF084960.D

Acq: 9 Feb 2016 19:02

Instrument :

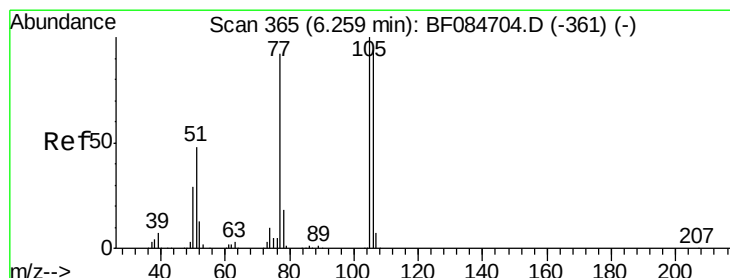
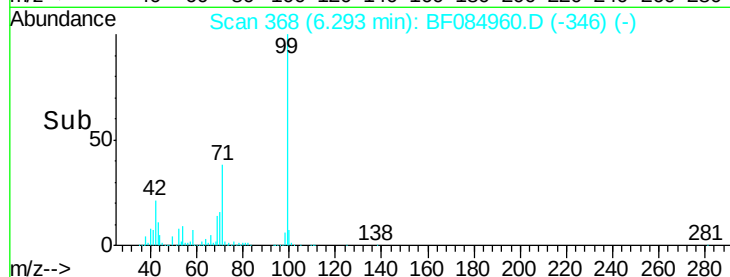
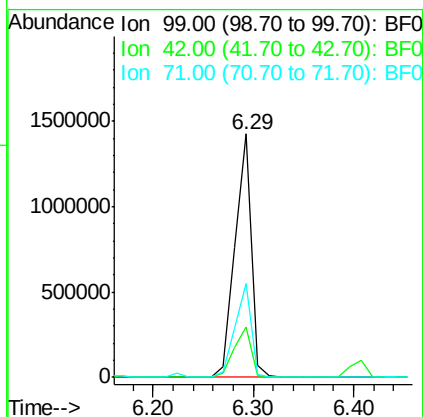
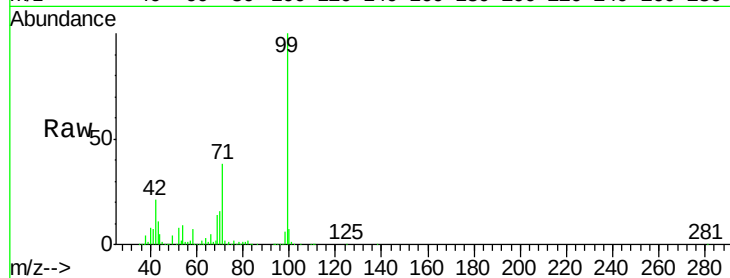
BNA_F

ClientSampleId :

S4-B001(47-49)

Tgt Ion: 99 Resp: 1602320

Ion	Ratio	Lower	Upper
99	100		
42	20.9	12.8	19.2#
71	38.4	30.9	46.3



#9

Benzaldehyde

Concen: 3.97 ng

RT: 6.22 min Scan# 362

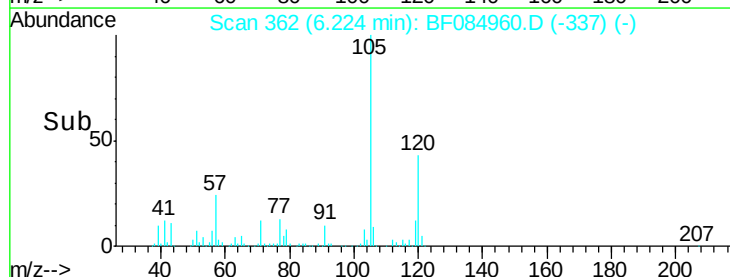
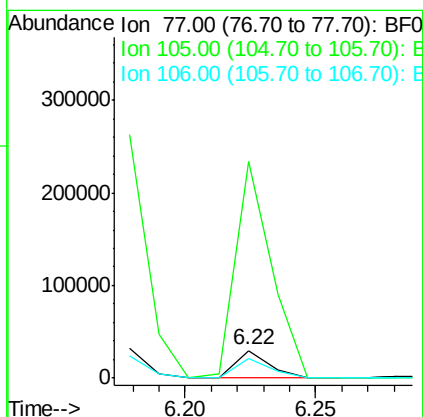
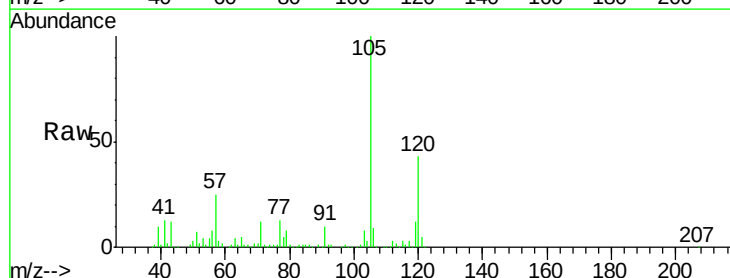
Delta R.T. -0.01 min

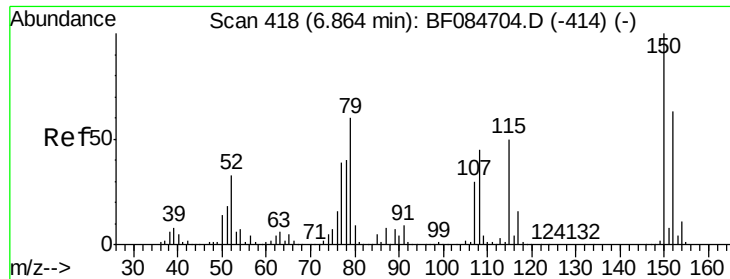
Lab File: BF084960.D

Acq: 9 Feb 2016 19:02

Tgt Ion: 77 Resp: 27541

Ion	Ratio	Lower	Upper
77	100		
105	783.3	83.0	123.0#
106	71.8	74.6	114.6#





#15

Benzyl Alcohol

Concen: 2.57 ng

RT: 6.78 min Scan# 411

Delta R.T. -0.06 min

Lab File: BF084960.D

Acq: 9 Feb 2016 19:02

Instrument :

BNA_F

ClientSampleId :

S4-B001(47-49)

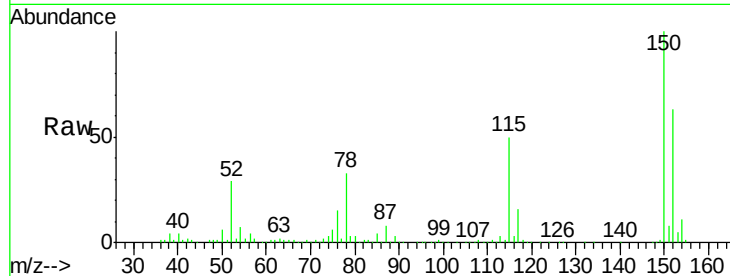
Tgt Ion: 79 Resp: 20886

Ion Ratio Lower Upper

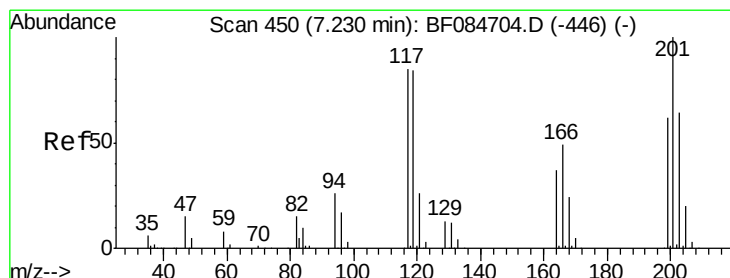
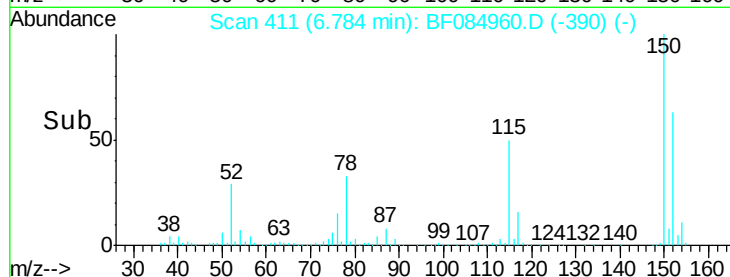
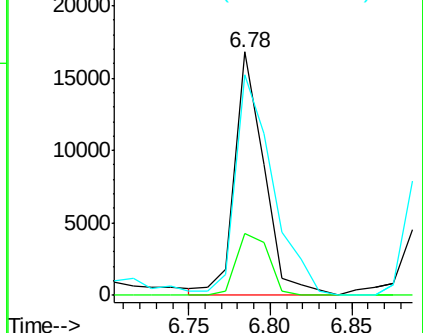
79 100

108 25.4 69.0 103.4#

77 90.7 50.0 75.0#



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): B
Ion 77.00 (76.70 to 77.70): BF0



#18

Hexachloroethane

Concen: 4.08 ng

RT: 7.10 min Scan# 439

Delta R.T. -0.09 min

Lab File: BF084960.D

Acq: 9 Feb 2016 19:02

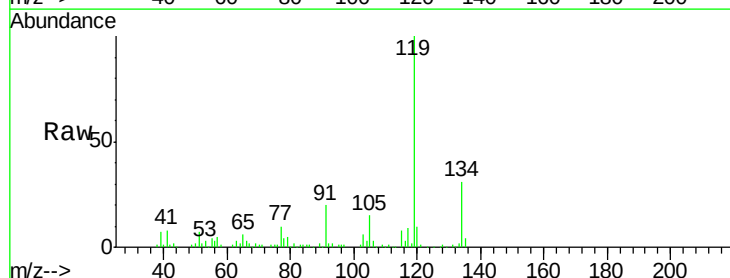
Tgt Ion: 117 Resp: 17821

Ion Ratio Lower Upper

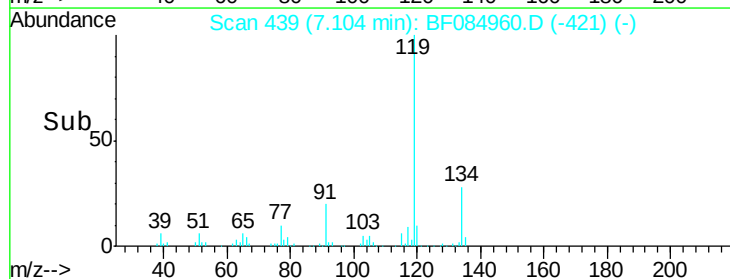
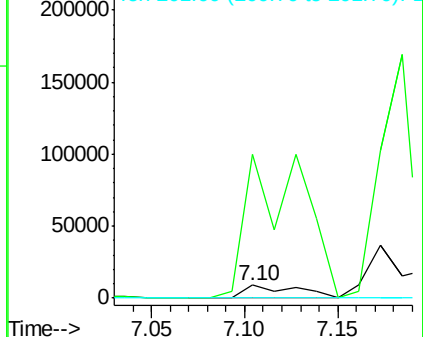
117 100

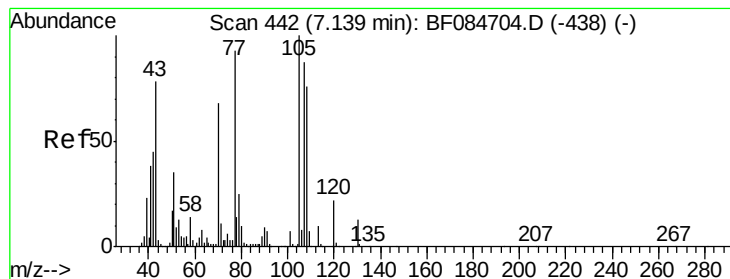
119 1104.1 77.4 116.0#

201 0.0 68.6 103.0#



Abundance Ion 117.00 (116.70 to 117.70): B
Ion 119.00 (118.70 to 119.70): B
Ion 201.00 (200.70 to 201.70): B





#19

n-Nitroso-di-n-propylamine

Concen: 21.07 ng

RT: 7.21 min Scan# 448

Delta R.T. 0.09 min

Lab File: BF084960.D

Acq: 9 Feb 2016 19:02

Instrument :

BNA_F

ClientSampleId :

S4-B001(47-49)

Tgt Ion: 70 Resp: 155260

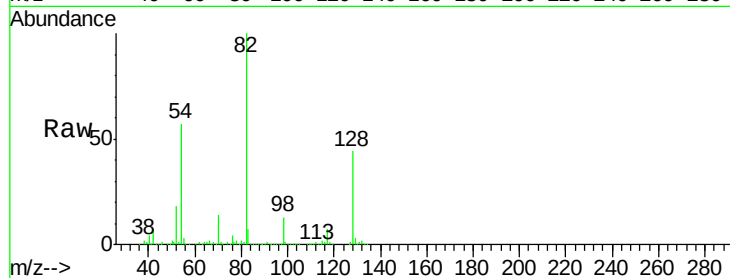
Ion Ratio Lower Upper

70 100

42 47.8 33.3 49.9

101 0.2 9.3 13.9#

130 2.2 23.4 35.0#

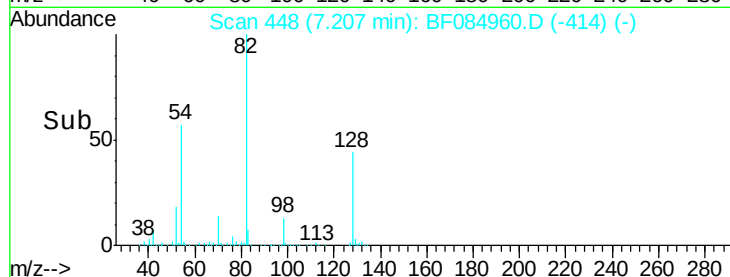
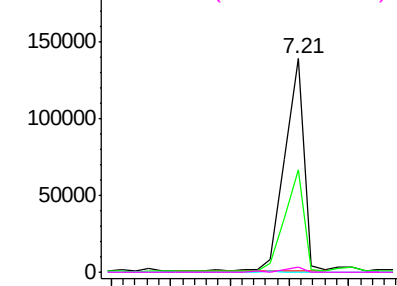


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.92 min Scan# 510

Delta R.T. -0.06 min

Lab File: BF084960.D

Acq: 9 Feb 2016 19:02

Tgt Ion: 136 Resp: 579377

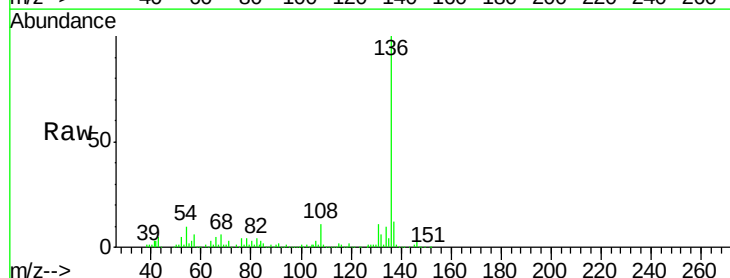
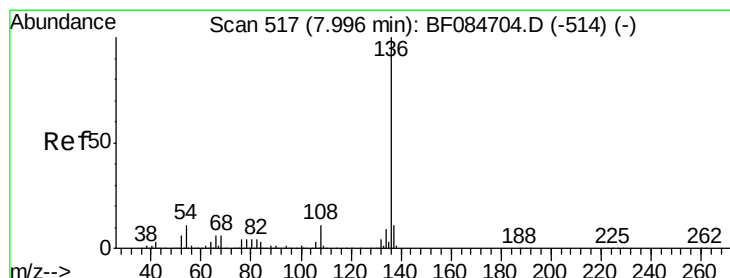
Ion Ratio Lower Upper

136 100

137 11.6 8.7 13.1

54 10.2 5.8 8.8#

68 5.5 4.2 6.2

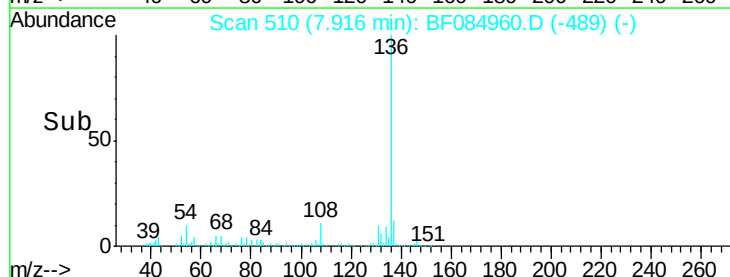
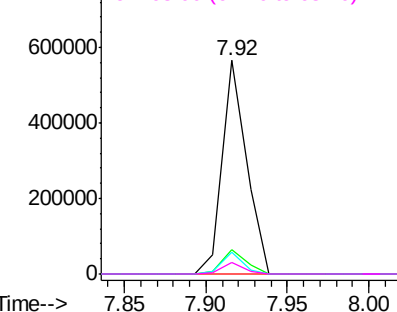


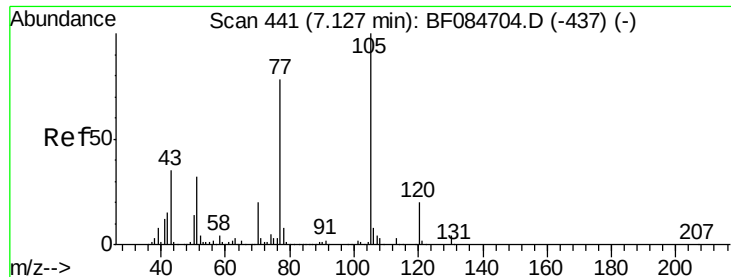
Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.36 ng

RT: 7.04 min Scan# 433

Delta R.T. -0.07 min

Lab File: BF084960.D

Acq: 9 Feb 2016 19:02

Instrument :

BNA_F

ClientSampleId :

S4-B001(47-49)

Tgt Ion: 105 Resp: 66538

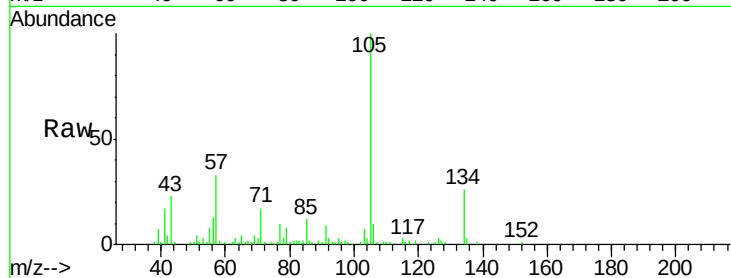
Ion Ratio Lower Upper

105 100

71 17.3 3.7 5.5#

51 3.8 25.1 37.7#

120 0.0 16.6 25.0#

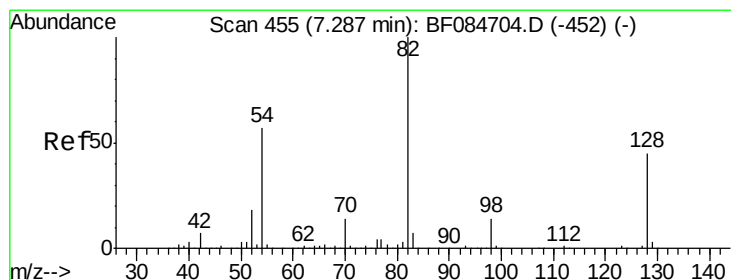
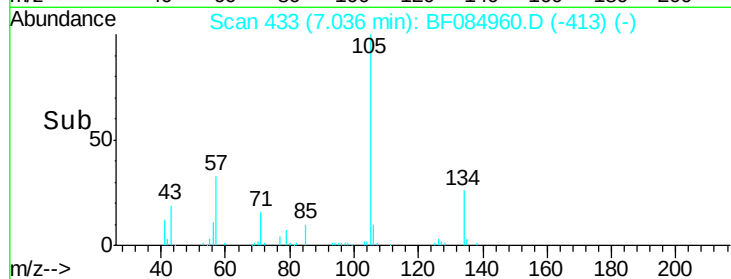
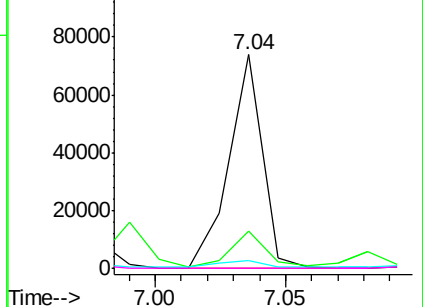


Abundance Ion 105.00 (104.70 to 105.70): E

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: 104.12 ng

RT: 7.21 min Scan# 448

Delta R.T. -0.06 min

Lab File: BF084960.D

Acq: 9 Feb 2016 19:02

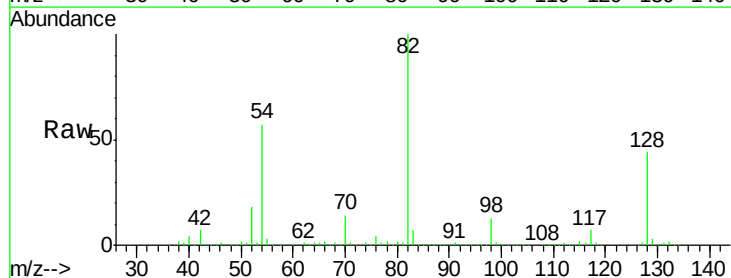
Tgt Ion: 82 Resp: 1070851

Ion Ratio Lower Upper

82 100

128 43.6 34.6 51.8

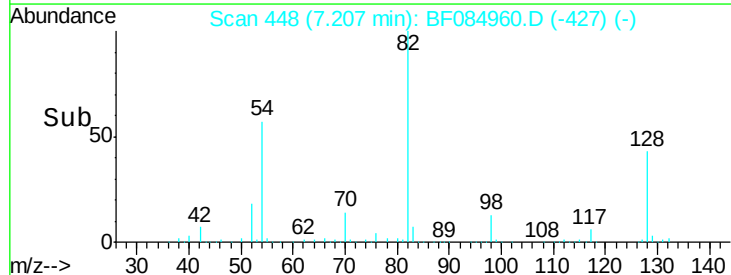
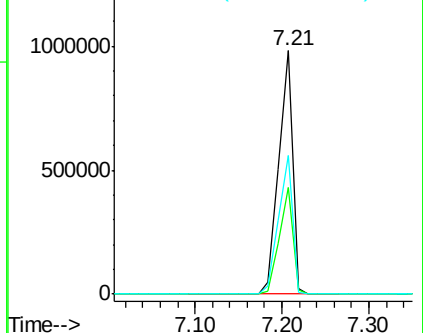
54 56.8 38.4 57.6

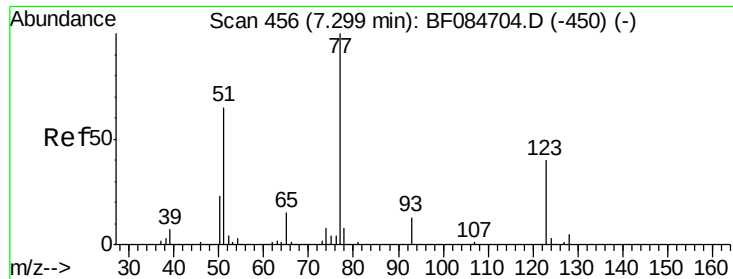


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 2.30 ng

RT: 7.18 min Scan# 446

Delta R.T. -0.09 min

Lab File: BF084960.D

Acq: 9 Feb 2016 19:02

Instrument :

BNA_F

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S4-B001(47-49)

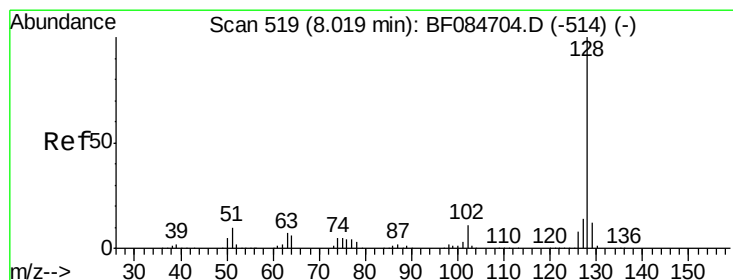
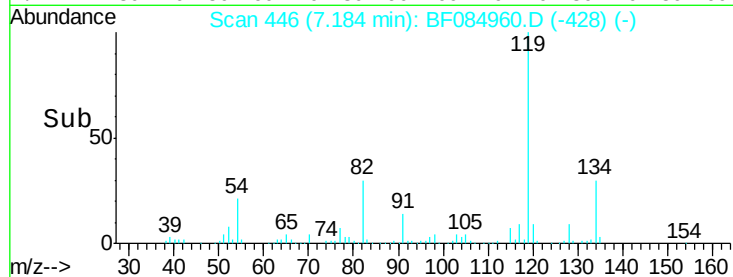
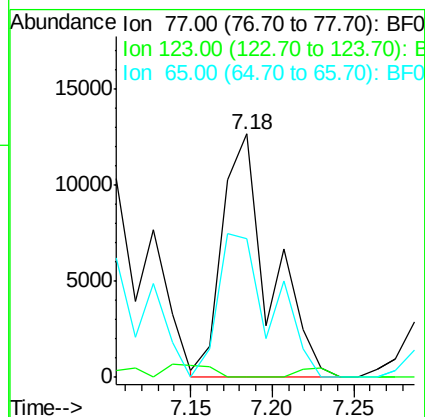
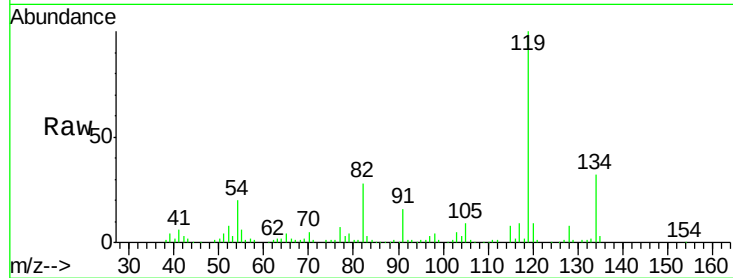
Tgt Ion: 77 Resp: 25348

Ion Ratio Lower Upper

77 100

123 0.0 37.4 56.2#

65 56.9 10.9 16.3#



#31

Naphthalene

Concen: 8.63 ng

RT: 7.94 min Scan# 512

Delta R.T. -0.06 min

Lab File: BF084960.D

Acq: 9 Feb 2016 19:02

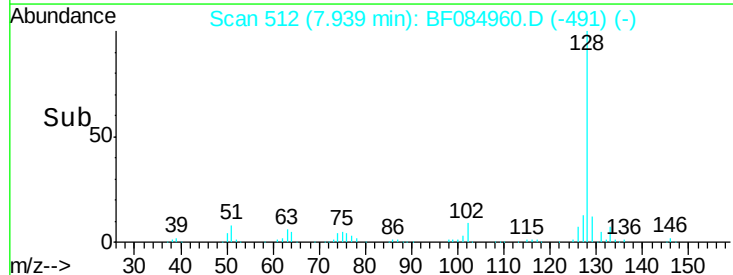
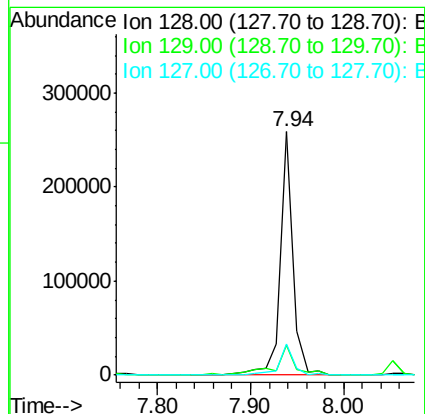
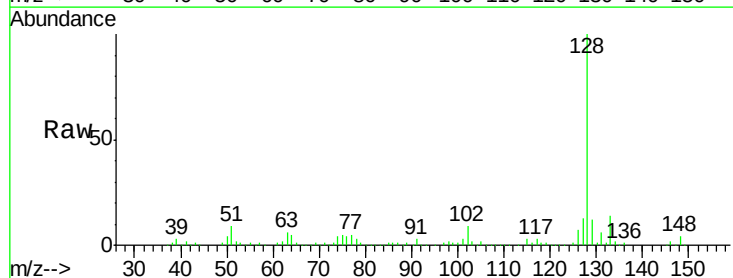
Tgt Ion: 128 Resp: 250803

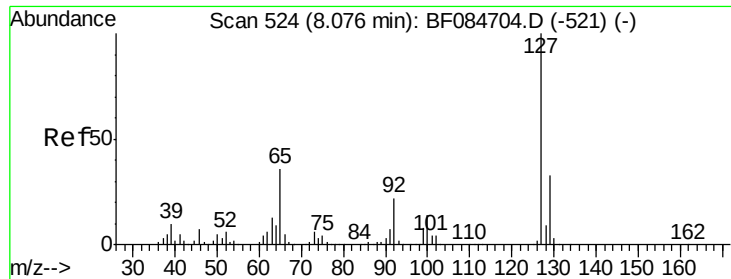
Ion Ratio Lower Upper

128 100

129 12.3 9.1 13.7

127 13.0 11.1 16.7

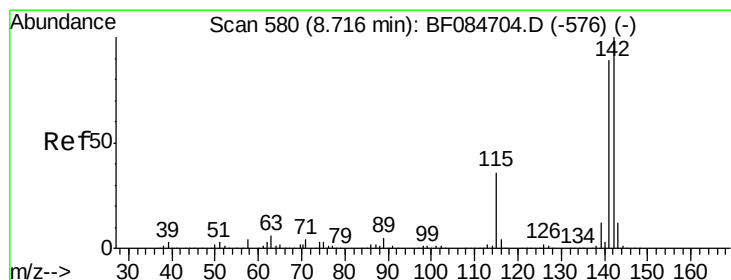
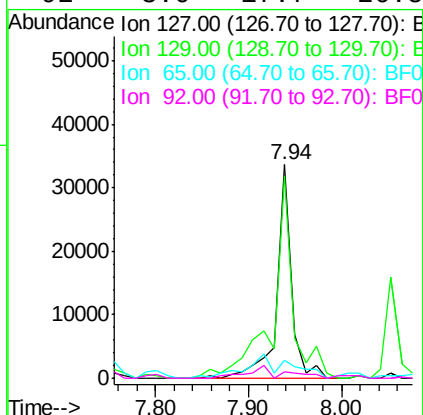
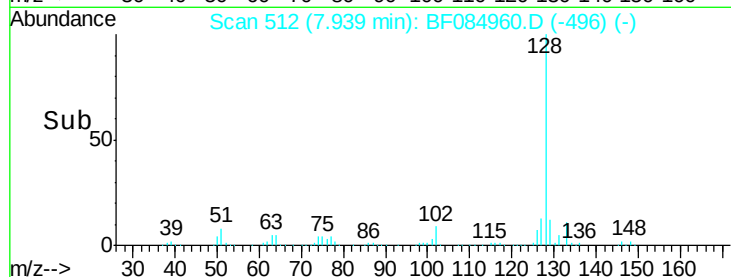
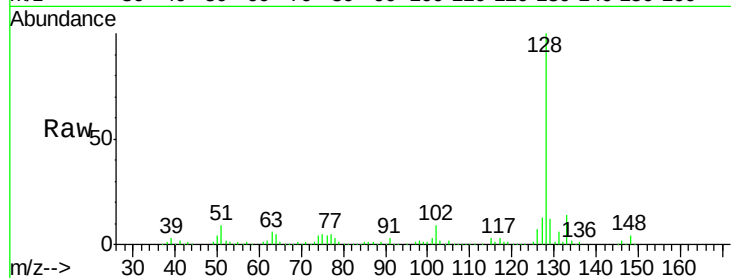




#33
4-Chloroaniline
Concen: 3.19 ng
RT: 7.94 min Scan# 512
Delta R.T. -0.11 min
Lab File: BF084960.D
Acq: 9 Feb 2016 19:02

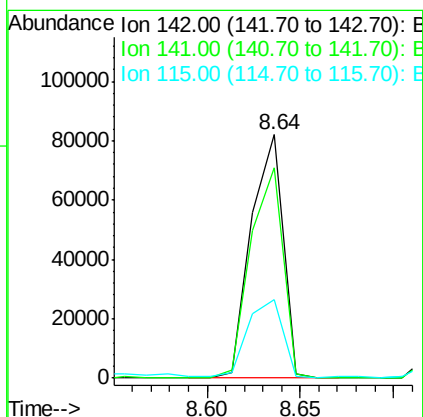
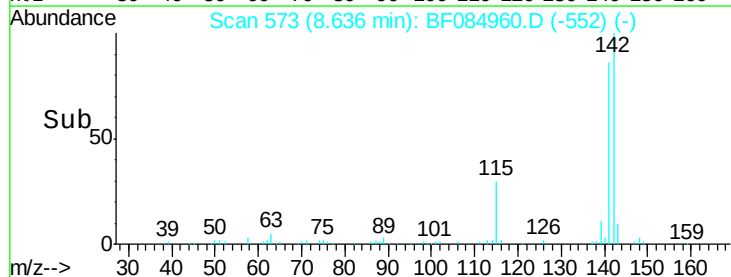
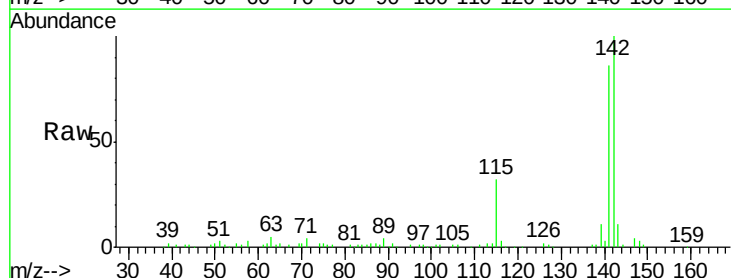
Instrument :
BNA_F
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S4-B001(47-49)

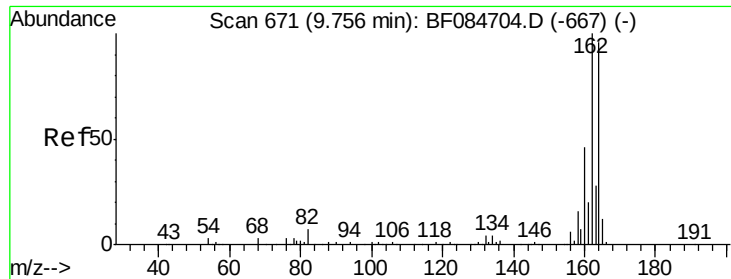
Tgt Ion:	127	Resp:	38342
Ion	Ratio	Lower	Upper
127	100		
129	94.8	26.5	39.7#
65	8.6	27.2	40.8#
92	3.0	17.7	26.5#



#37
2-Methylnaphthalene
Concen: 5.34 ng
RT: 8.64 min Scan# 573
Delta R.T. -0.06 min
Lab File: BF084960.D
Acq: 9 Feb 2016 19:02

Tgt Ion:	142	Resp:	97131
Ion	Ratio	Lower	Upper
142	100		
141	86.3	72.4	108.6
115	32.0	27.9	41.9





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.66 min Scan# 663

Delta R.T. -0.07 min

Lab File: BF084960.D

Acq: 9 Feb 2016 19:02

Instrument :

BNA_F

ClientSampleId :

S4-B001(47-49)

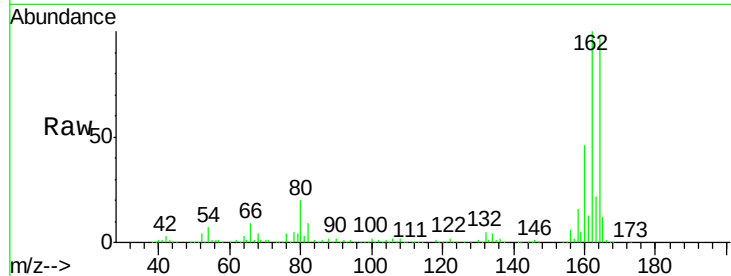
Tgt Ion:164 Resp: 293369

Ion Ratio Lower Upper

164 100

162 103.1 85.1 127.7

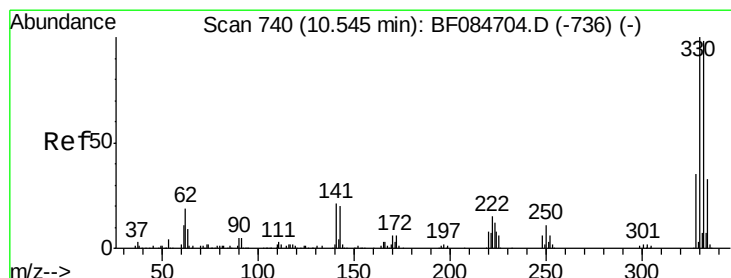
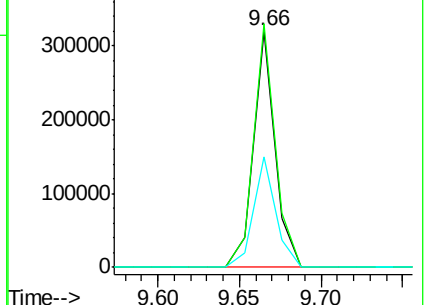
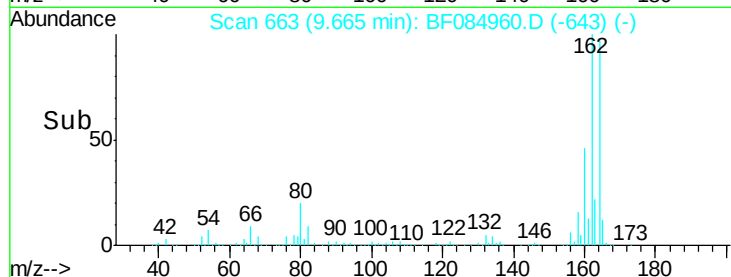
160 46.9 37.5 56.3



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: 164.41 ng

RT: 10.46 min Scan# 733

Delta R.T. -0.06 min

Lab File: BF084960.D

Acq: 9 Feb 2016 19:02

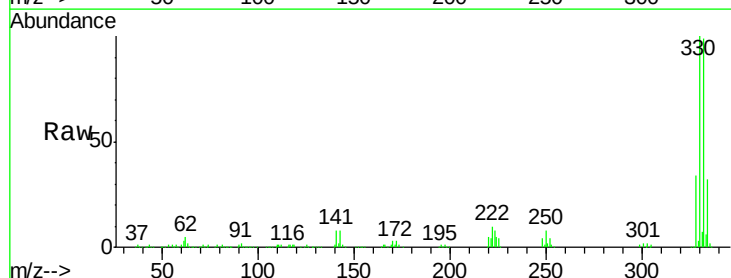
Tgt Ion:330 Resp: 503111

Ion Ratio Lower Upper

330 100

332 97.2 76.6 114.8

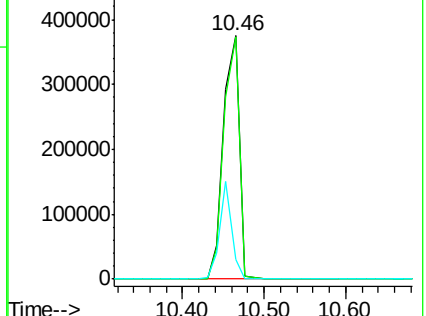
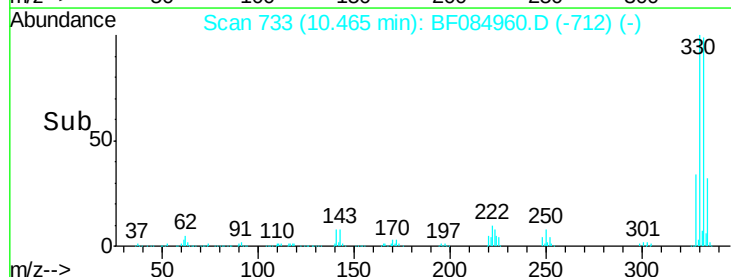
141 31.0 27.8 41.6

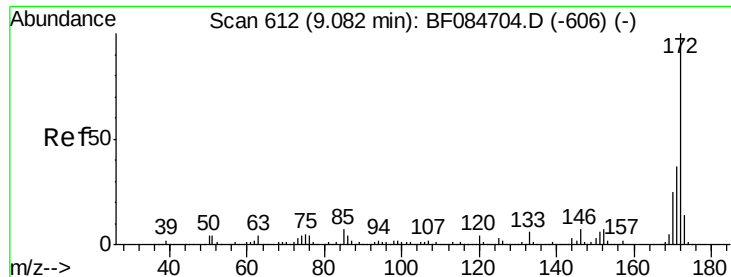


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

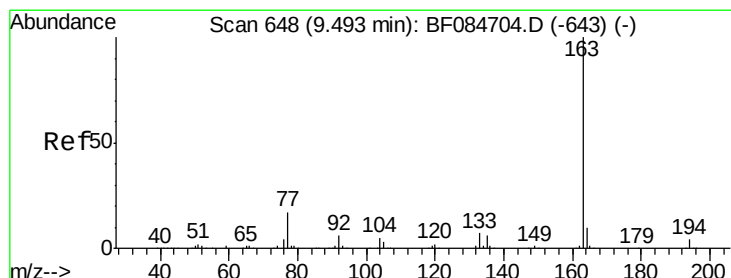
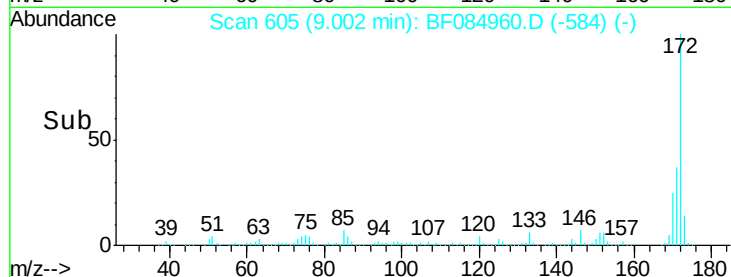
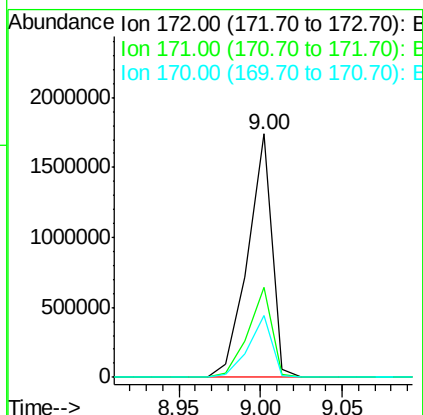
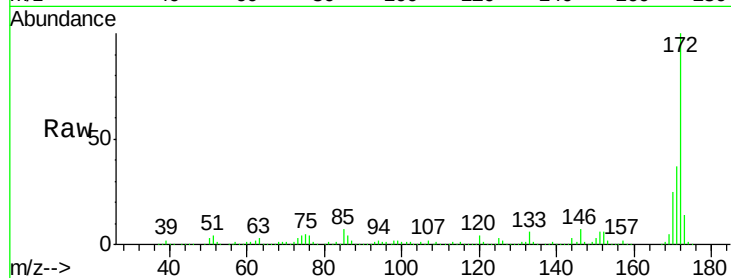




#44
2-Fluorobiphenyl
Concen: 117.34 ng
RT: 9.00 min Scan# 605
Delta R.T. -0.06 min
Lab File: BF084960.D
Acq: 9 Feb 2016 19:02

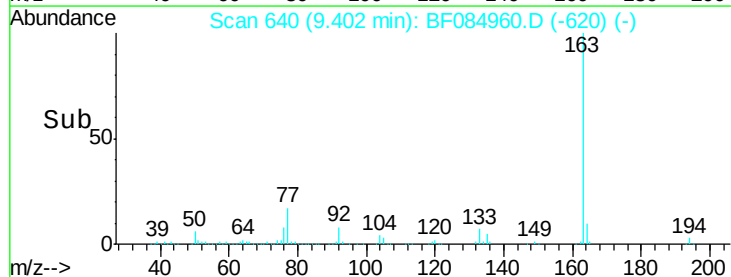
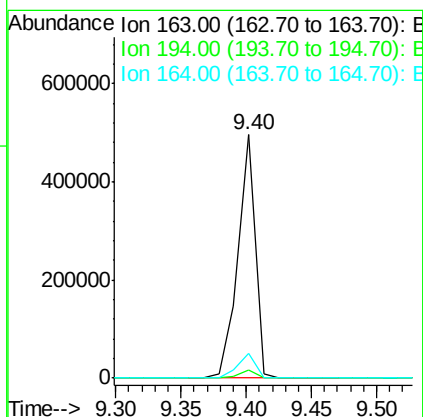
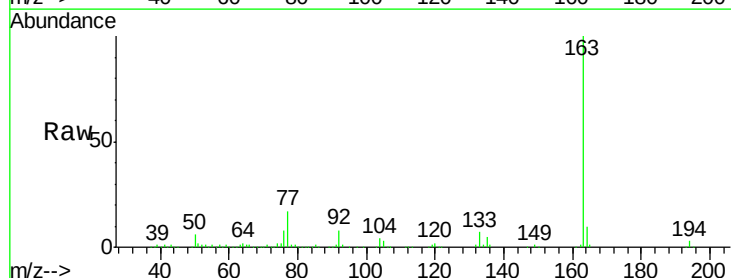
Instrument :
BNA_F
ClientSampleId :
S4-B001(47-49)

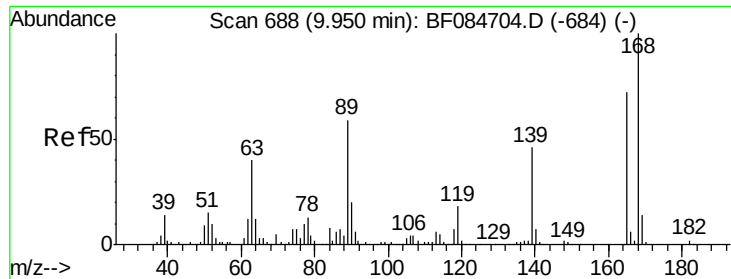
Tgt Ion:172 Resp: 1784785
Ion Ratio Lower Upper
172 100
171 37.0 28.9 43.3
170 25.4 18.6 27.8



#49
Dimethylphthalate
Concen: 20.30 ng
RT: 9.40 min Scan# 640
Delta R.T. -0.07 min
Lab File: BF084960.D
Acq: 9 Feb 2016 19:02

Tgt Ion:163 Resp: 453645
Ion Ratio Lower Upper
163 100
194 3.2 8.0 12.0#
164 10.2 8.0 12.0

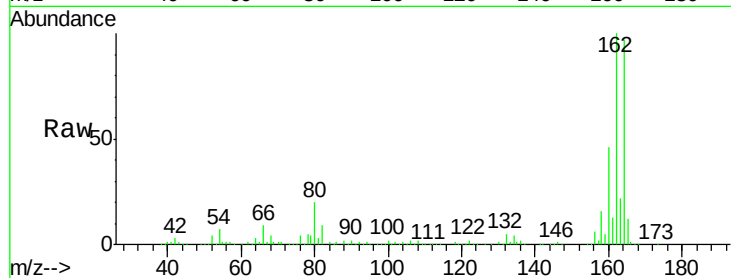




#56
 2,4-Dinitrotoluene
 Concen: 5.84 ng
 RT: 9.66 min Scan# 663
 Delta R.T. -0.26 min
 Lab File: BF084960.D
 Acq: 9 Feb 2016 19:02

Instrument :
 BNA_F
 ClientSampleId :
 S4-B001(47-49)

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.7	55.1#
89	1.7	61.9	92.9#
182	0.0	2.0	3.0#



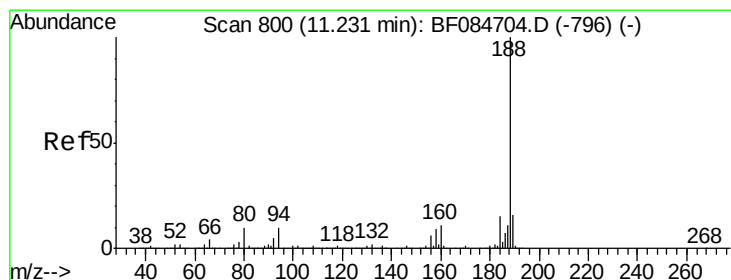
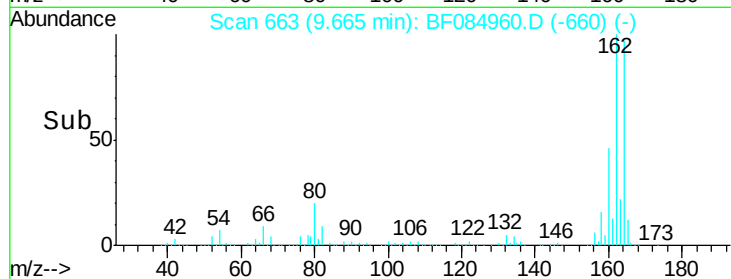
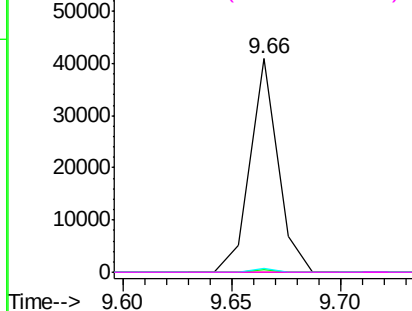
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

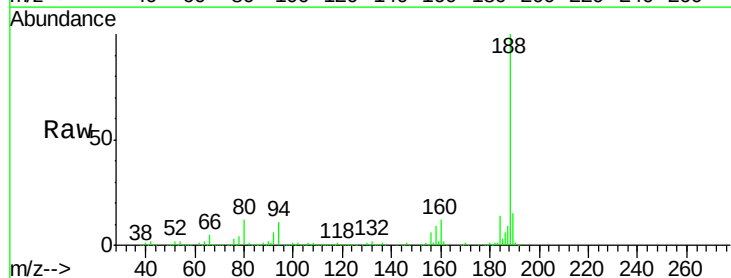
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.14 min Scan# 792
 Delta R.T. -0.07 min
 Lab File: BF084960.D
 Acq: 9 Feb 2016 19:02

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.1	9.0	13.4
80	12.5	9.6	14.4

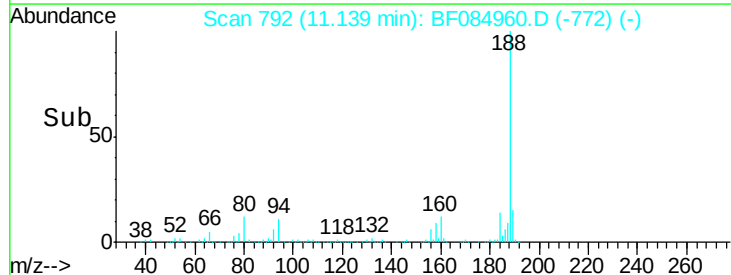
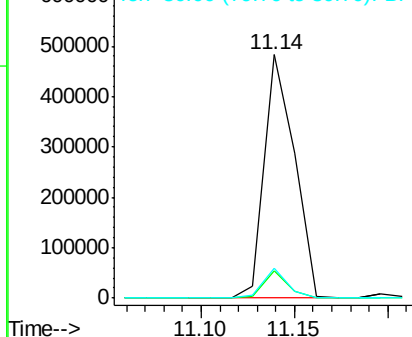


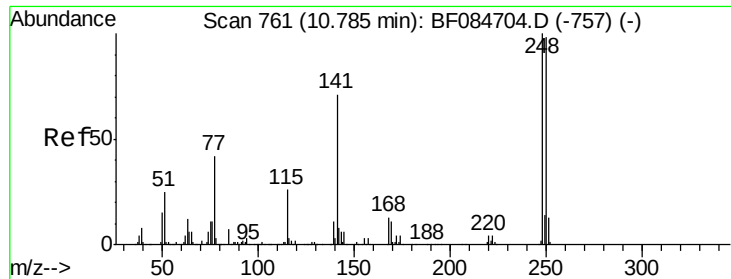
Abundance

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





#66

4-Bromophenyl-phenylether

Concen: 4.56 ng

RT: 10.45 min Scan# 732

Delta R.T. -0.31 min

Lab File: BF084960.D

Acq: 9 Feb 2016 19:02

Instrument :

BNA_F

ClientSampleId :

S4-B001(47-49)

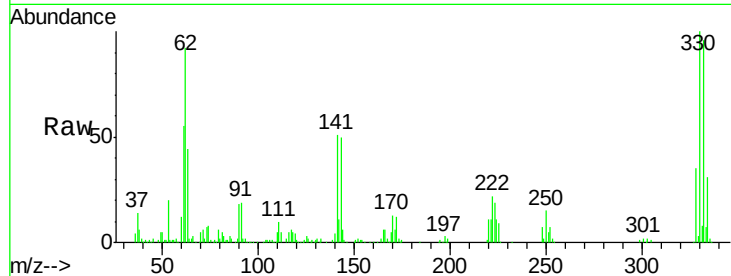
Tgt Ion:248 Resp: 27606

Ion Ratio Lower Upper

248 100

250 204.0 78.4 117.6#

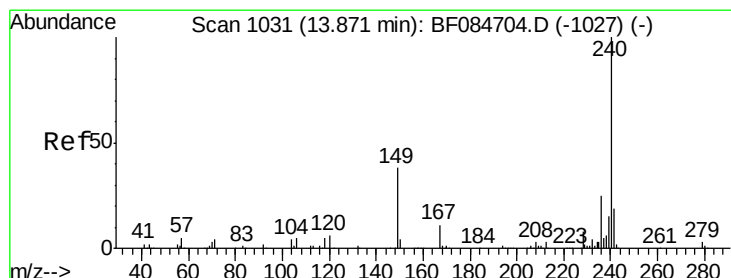
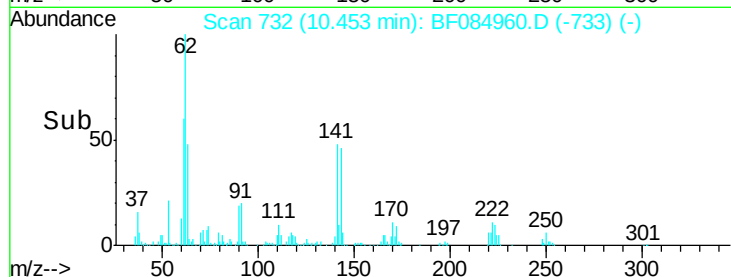
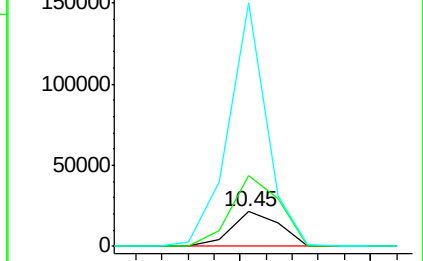
141 702.1 44.0 66.0#



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: 13.77 min Scan# 1022

Delta R.T. -0.07 min

Lab File: BF084960.D

Acq: 9 Feb 2016 19:02

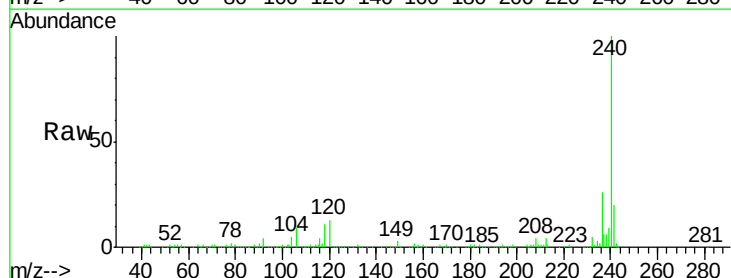
Tgt Ion:240 Resp: 472871

Ion Ratio Lower Upper

240 100

120 12.6 9.5 14.3

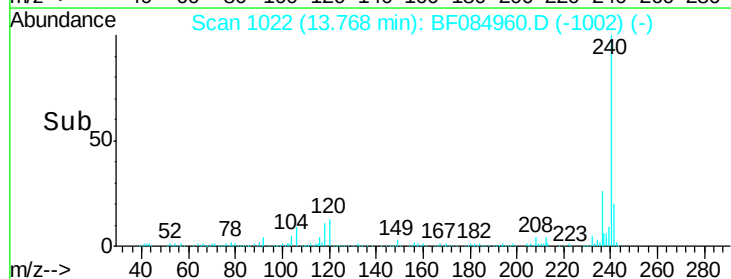
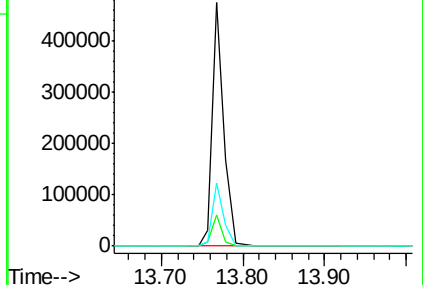
236 26.0 20.6 31.0

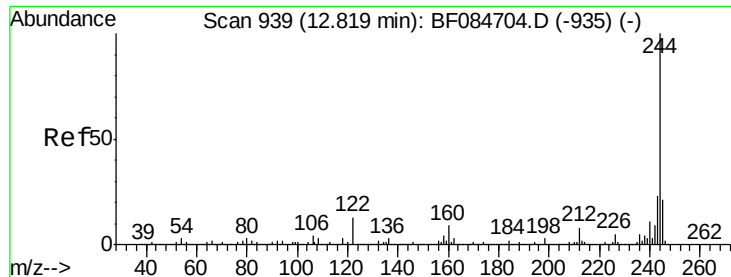


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 96.32 ng

RT: 12.74 min Scan# 932

Delta R.T. -0.06 min

Lab File: BF084960.D

Acq: 9 Feb 2016 19:02

Instrument :

BNA_F

ClientSampleId :

S4-B001(47-49)

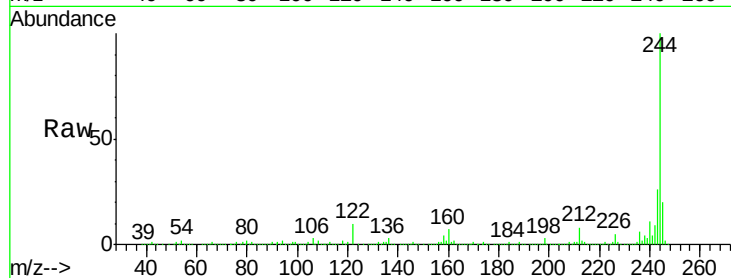
Tgt Ion:244 Resp: 2009957

Ion Ratio Lower Upper

244 100

212 7.7 5.7 8.5

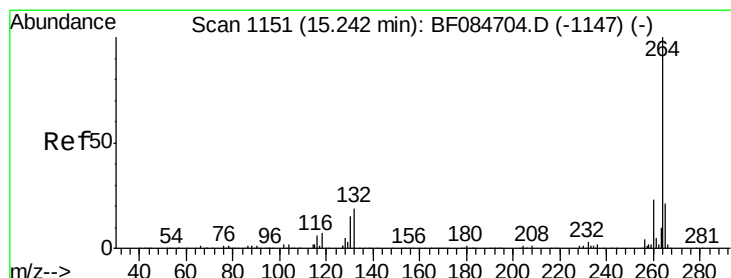
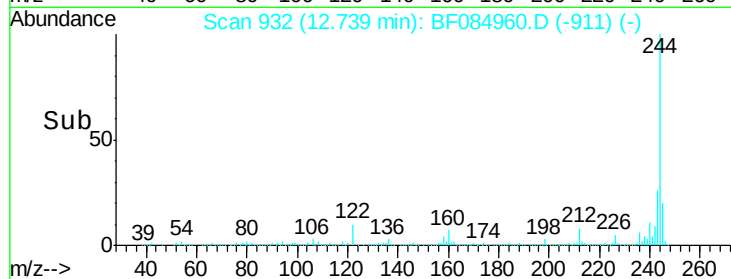
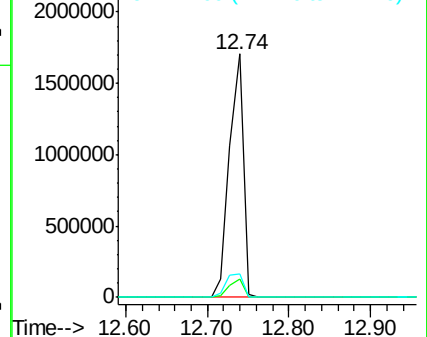
122 9.5 7.4 11.0



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: 15.13 min Scan# 1141

Delta R.T. -0.08 min

Lab File: BF084960.D

Acq: 9 Feb 2016 19:02

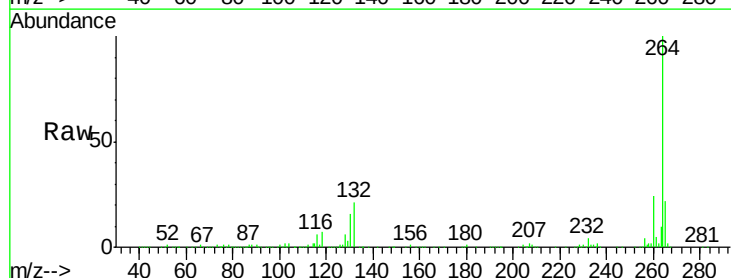
Tgt Ion:264 Resp: 338488

Ion Ratio Lower Upper

264 100

260 23.7 19.4 29.2

265 22.1 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

