

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061216\
 Data File : BF087972.D
 Acq On : 13 Jun 2016 2:50
 Operator : UM/SJ
 Sample : H3473-17
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STA-1160-(0-4)

Quant Time: Jun 13 05:04:56 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 02:17:28 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	114186	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	459449	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	225492	20.00	ng	-0.01
63) Phenanthrene-d10	11.32	188	427055	20.00	ng	0.00
75) Chrysene-d12	13.95	240	296544	20.00	ng	-0.01
86) Perylene-d12	15.36	264	215565	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	711314	106.49	ng	0.01
7) Phenol-d6	6.44	99	1002149	123.80	ng	0.00
23) Nitrobenzene-d5	7.37	82	714529	90.81	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	247103	103.78	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	1130714	78.34	ng	-0.01
78) Terphenyl-d14	12.91	244	1090685	83.69	ng	-0.01

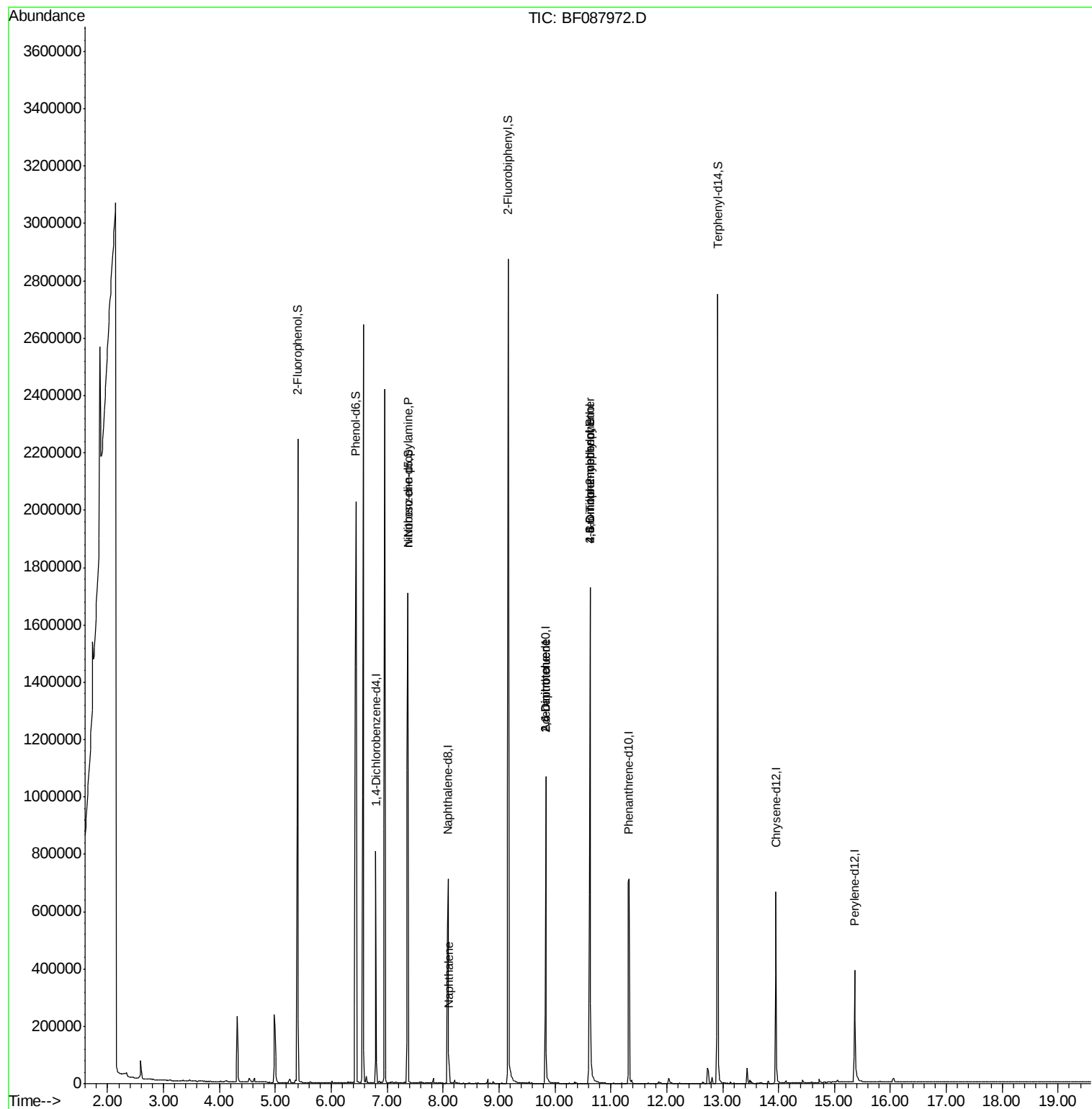
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.57	94	1549	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	93108	17.98	ng	69
31) Naphthalene	8.10	128	56123	2.47	ng	98
45) 1,1'-Biphenyl	9.27	154	477	Below Cal	#	43
50) 2,6-Dinitrotoluene	9.84	165	28263	7.56	ng	39
56) 2,4-Dinitrotoluene	9.84	165	28264	5.88	ng	37
57) Fluorene	10.39	166	582	Below Cal	#	82
64) 4,6-Dinitro-2-methylphenol	10.63	198	430	2.32	ng	1
66) 4-Bromophenyl-phenylether	10.63	248	15491	3.38	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: 6.80 min Scan# 456

Delta R.T. 0.00 min

Lab File: BF087972.D

Acq: 13 Jun 2016 2:50

Instrument :

BNA_F

ClientSampleId :

STA-1160-(0-4)

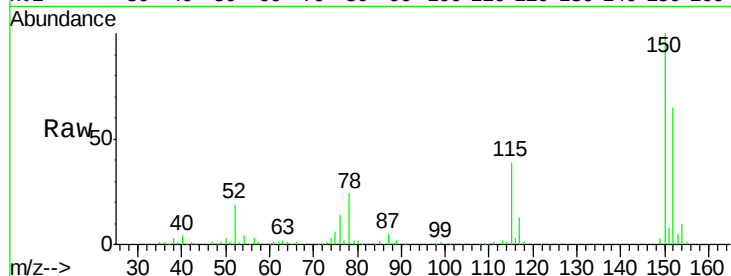
Tgt Ion:152 Resp: 114186

Ion Ratio Lower Upper

152 100

150 154.3 123.8 185.6

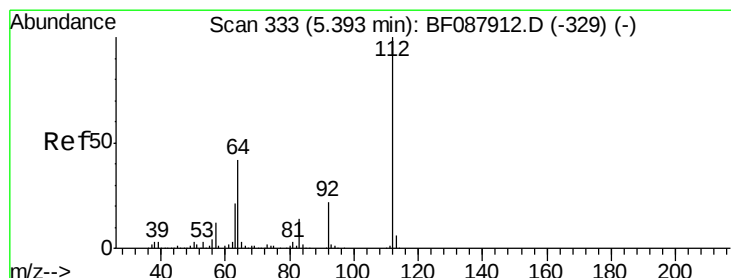
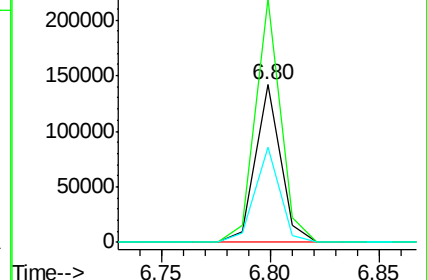
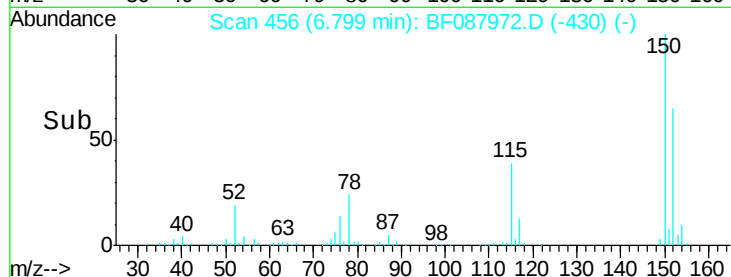
115 60.6 39.6 59.4#



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: 106.49 ng

RT: 5.40 min Scan# 334

Delta R.T. 0.01 min

Lab File: BF087972.D

Acq: 13 Jun 2016 2:50

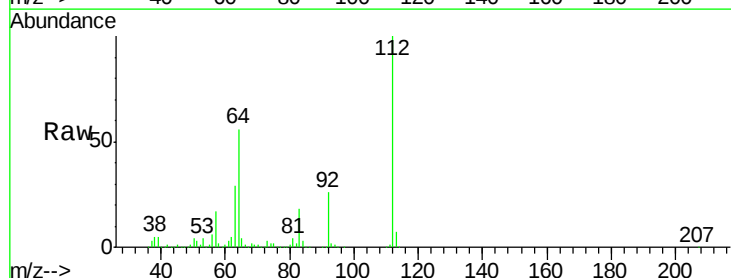
Tgt Ion:112 Resp: 711314

Ion Ratio Lower Upper

112 100

64 56.5 42.2 63.2

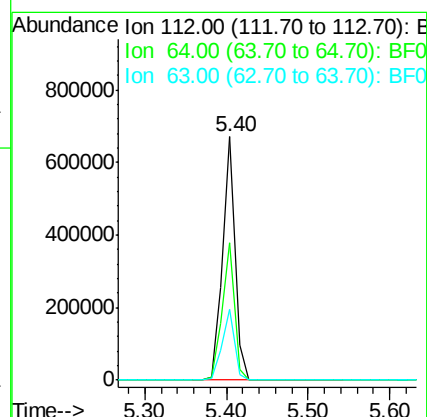
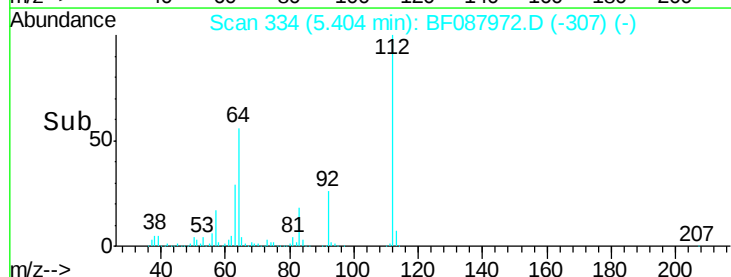
63 29.2 21.8 32.8

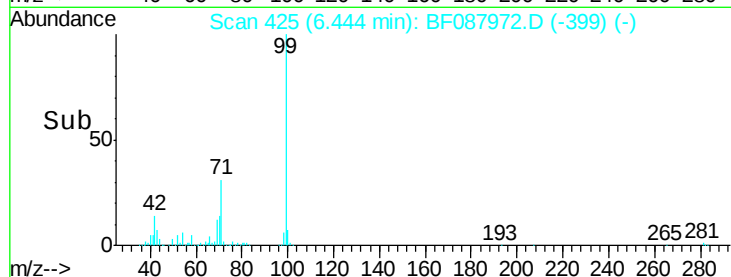
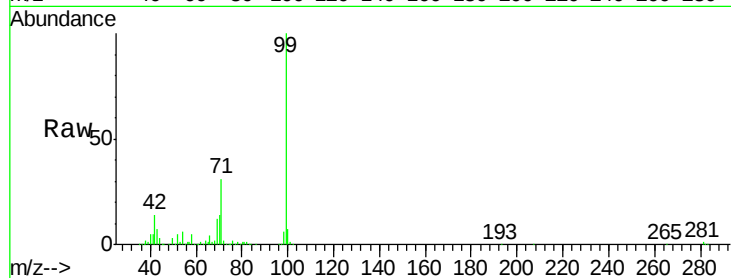
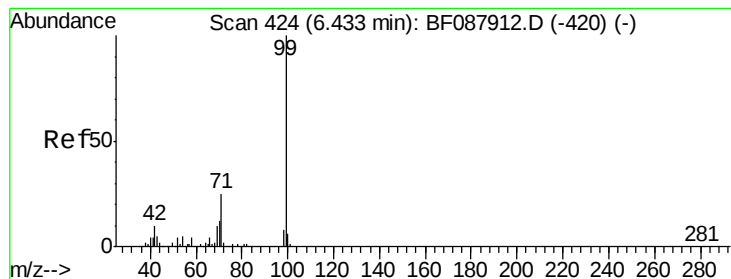


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 123.80 ng

RT: 6.44 min Scan# 425

Delta R.T. 0.00 min

Lab File: BF087972.D

Acq: 13 Jun 2016 2:50

Instrument :

BNA_F

ClientSampleId :

STA-1160-(0-4)

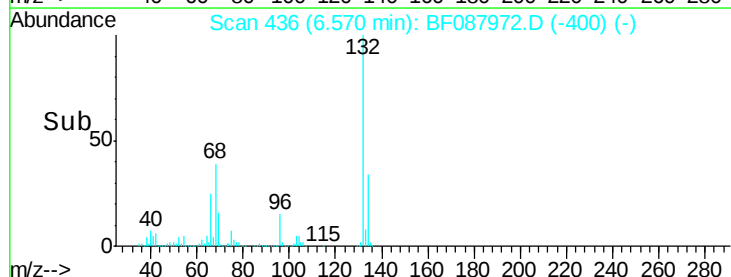
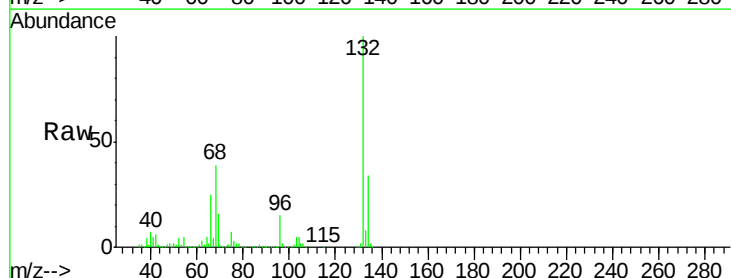
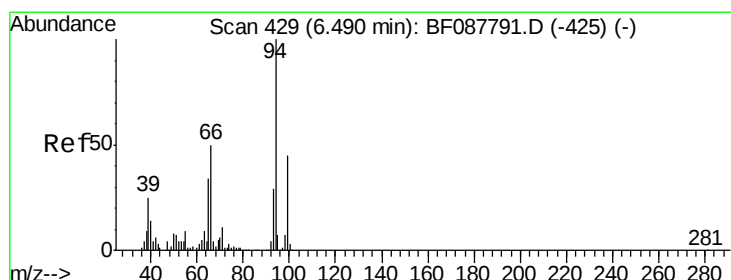
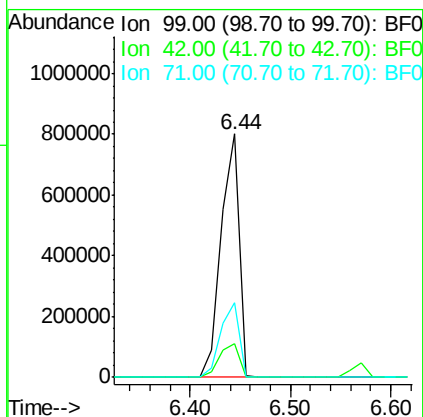
Tgt Ion: 99 Resp: 1002149

Ion Ratio Lower Upper

99 100

42 14.1 12.2 18.2

71 30.9 23.4 35.0



#10

Phenol

Concen: Below Cal

RT: 6.57 min Scan# 436

Delta R.T. 0.11 min

Lab File: BF087972.D

Acq: 13 Jun 2016 2:50

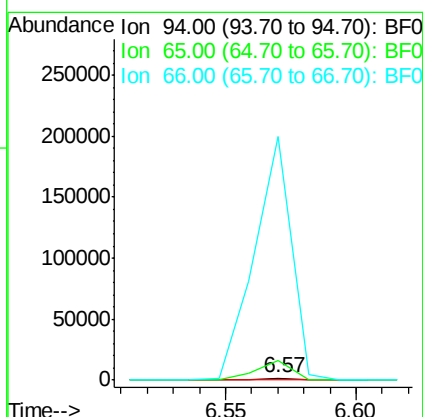
Tgt Ion: 94 Resp: 1549

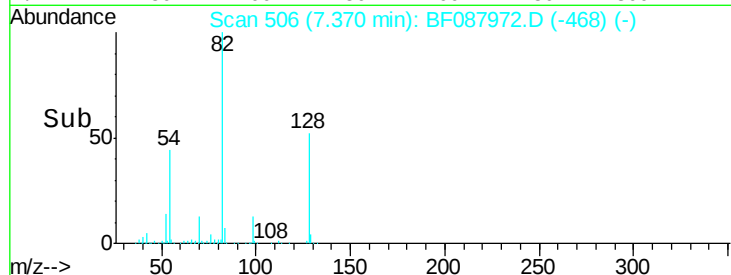
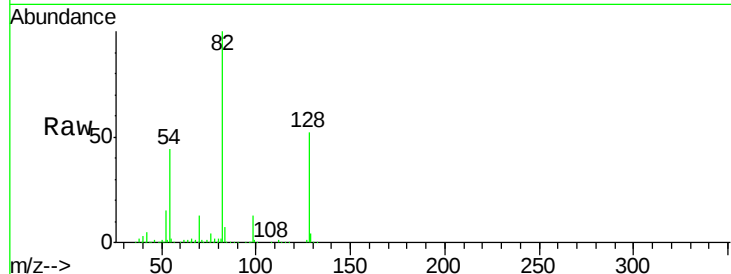
Ion Ratio Lower Upper

94 100

65 956.5 5.9 45.9#

66 11773.6 14.0 54.0#

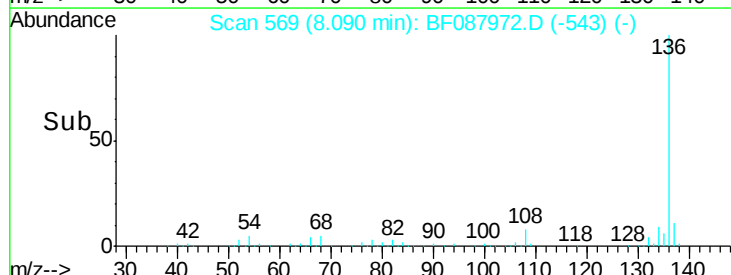
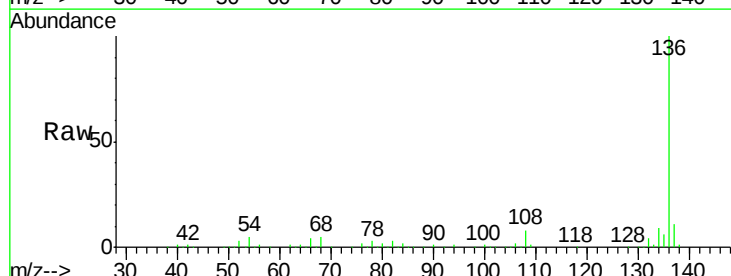
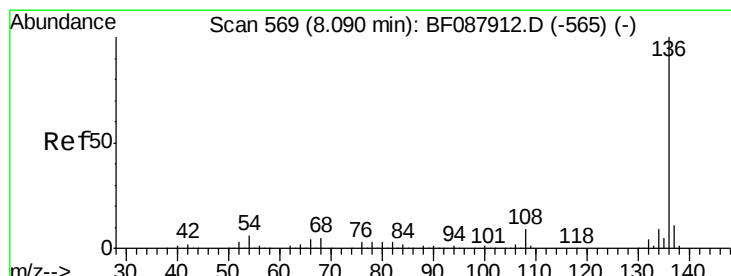
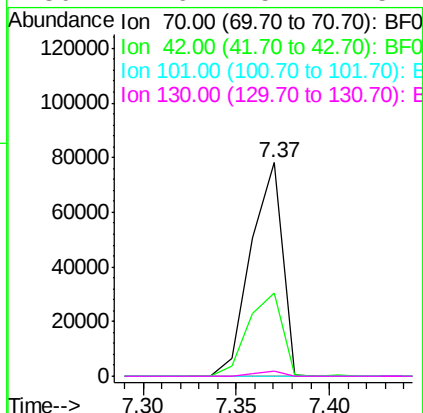




#19
n-Nitroso-di-n-propylamine
Concen: 17.98 ng
RT: 7.37 min Scan# 506
Delta R.T. 0.14 min
Lab File: BF087972.D
Acq: 13 Jun 2016 2:50

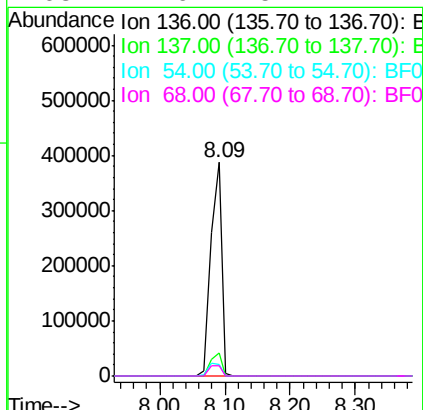
Instrument :
BNA_F
ClientSampleId :
STA-1160-(0-4)

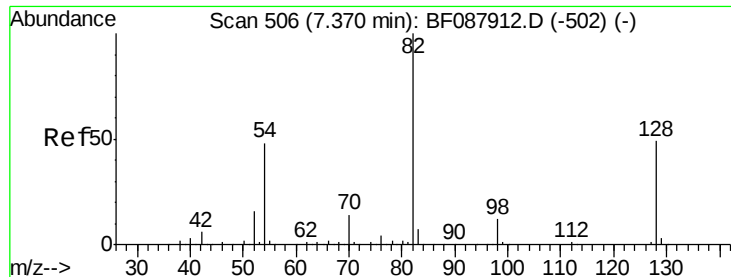
Tgt Ion:	70	Resp:	93108
Ion	Ratio	Lower	Upper
70	100		
42	38.8	49.6	74.4#
101	0.0	7.1	10.7#
130	2.6	15.4	23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 569
Delta R.T. 0.00 min
Lab File: BF087972.D
Acq: 13 Jun 2016 2:50

Tgt Ion:	136	Resp:	459449
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	5.3	6.6	10.0#
68	4.6	5.1	7.7#

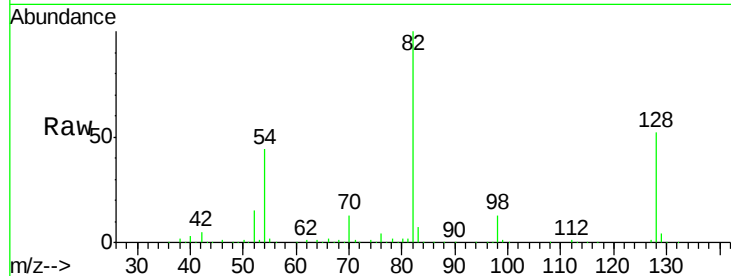




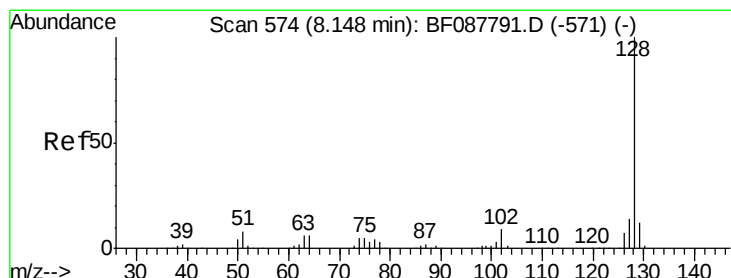
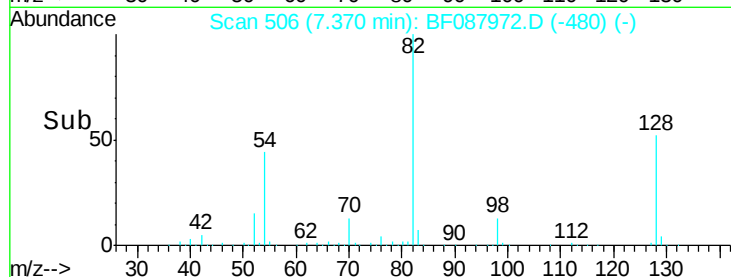
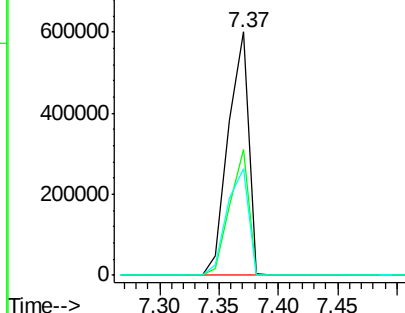
#23
 Nitrobenzene-d5
 Concen: 90.81 ng
 RT: 7.37 min Scan# 506
 Delta R.T. 0.00 min
 Lab File: BF087972.D
 Acq: 13 Jun 2016 2:50

Instrument :
 BNA_F
 ClientSampleId :
 STA-1160-(0-4)

Tgt Ion: 82 Resp: 714529
 Ion Ratio Lower Upper
 82 100
 128 51.9 35.9 53.9
 54 44.0 40.9 61.3

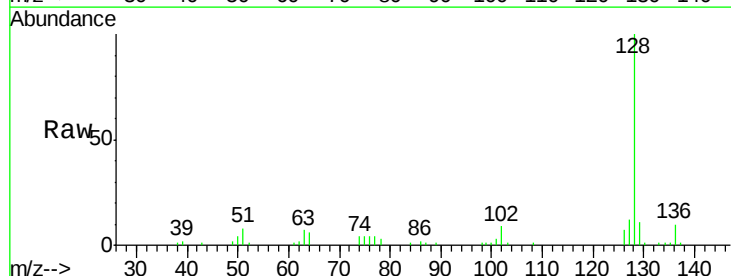


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

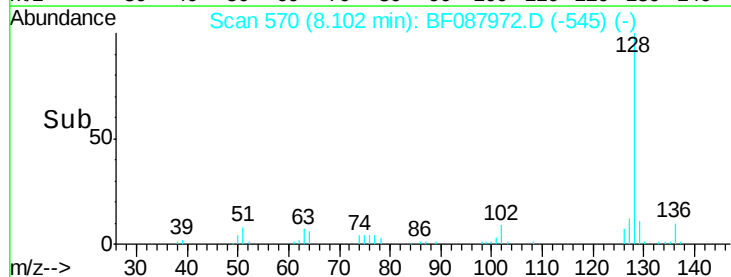
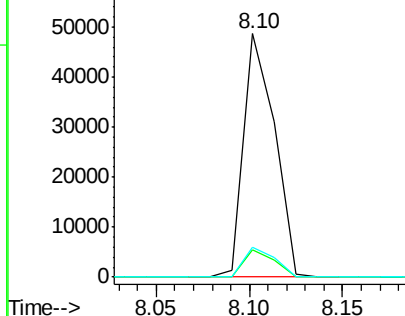


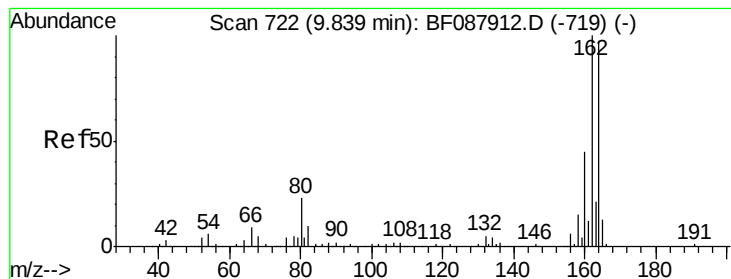
#31
 Naphthalene
 Concen: 2.47 ng
 RT: 8.10 min Scan# 570
 Delta R.T. -0.01 min
 Lab File: BF087972.D
 Acq: 13 Jun 2016 2:50

Tgt Ion: 128 Resp: 56123
 Ion Ratio Lower Upper
 128 100
 129 11.3 9.4 14.2
 127 12.3 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF087972.D

Acq: 13 Jun 2016 2:50

Instrument :

BNA_F

ClientSampleId :

STA-1160-(0-4)

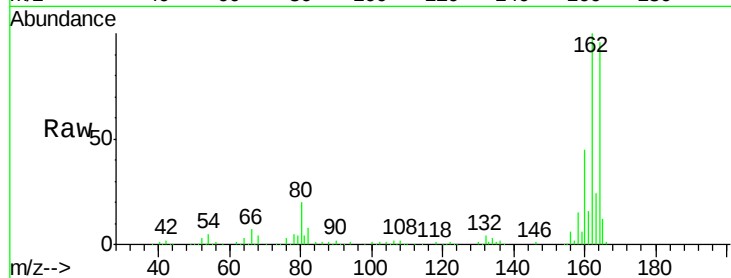
Tgt Ion:164 Resp: 225492

Ion Ratio Lower Upper

164 100

162 103.9 85.4 128.2

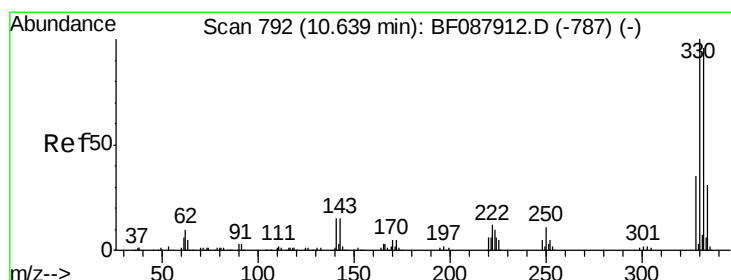
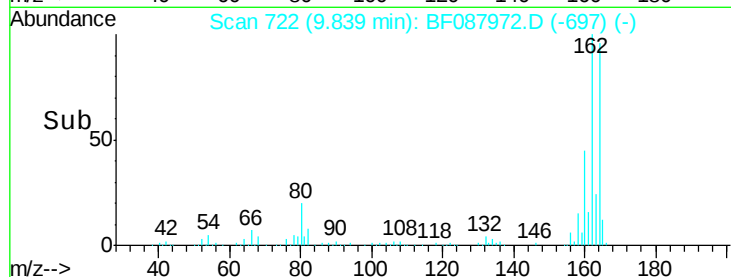
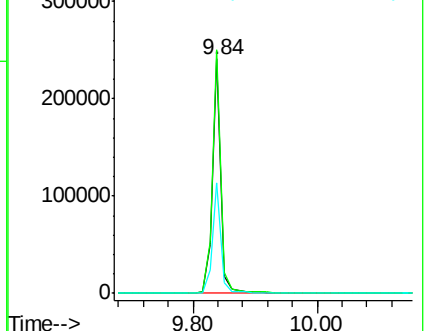
160 47.3 39.5 59.3



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: 103.78 ng

RT: 10.63 min Scan# 791

Delta R.T. -0.01 min

Lab File: BF087972.D

Acq: 13 Jun 2016 2:50

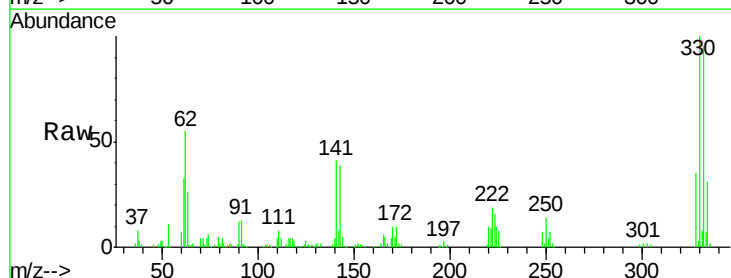
Tgt Ion:330 Resp: 247103

Ion Ratio Lower Upper

330 100

332 96.8 0.0 0.0#

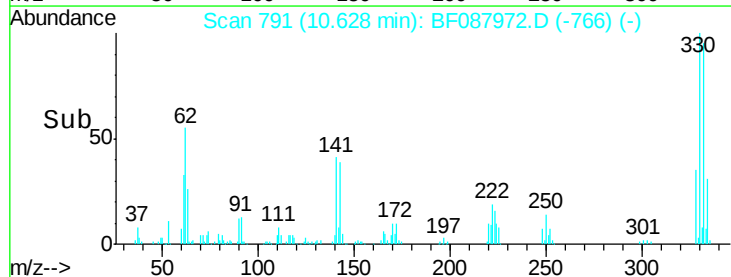
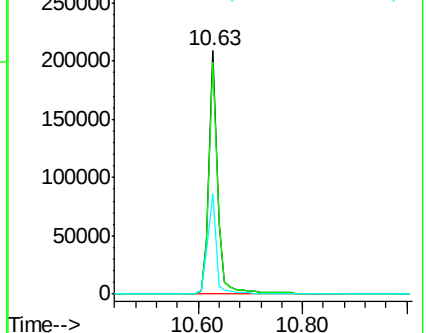
141 40.8 0.0 0.0#

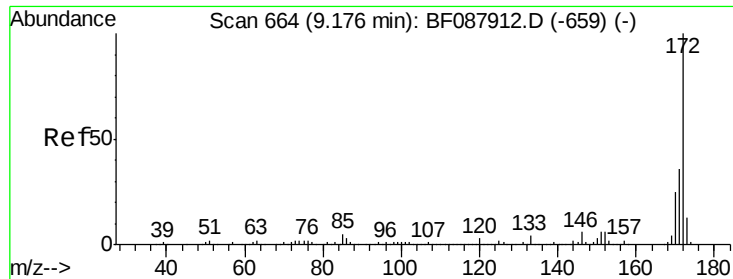


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

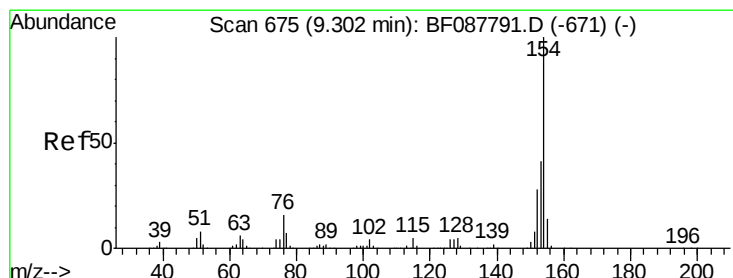
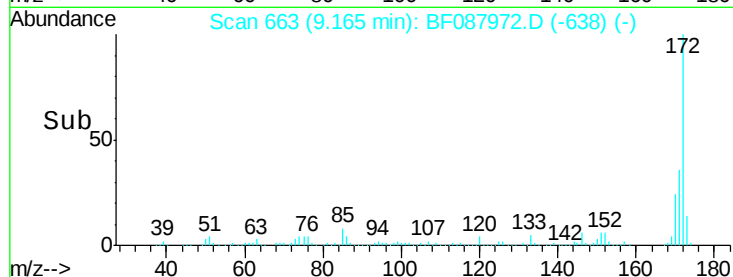
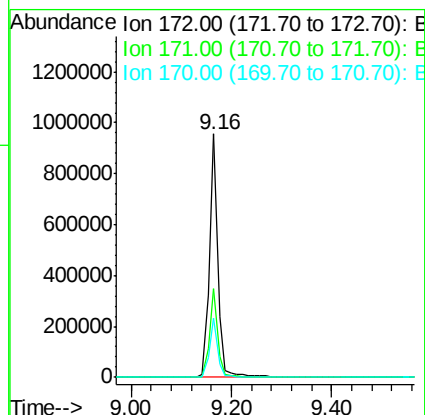
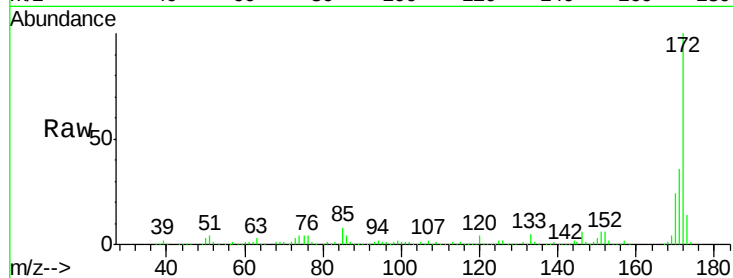




#44
 2-Fluorobiphenyl
 Concen: 78.34 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.01 min
 Lab File: BF087972.D
 Acq: 13 Jun 2016 2:50

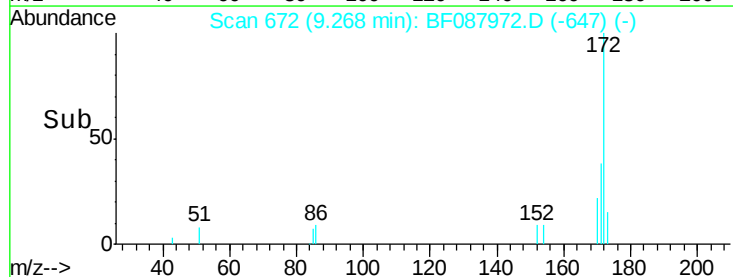
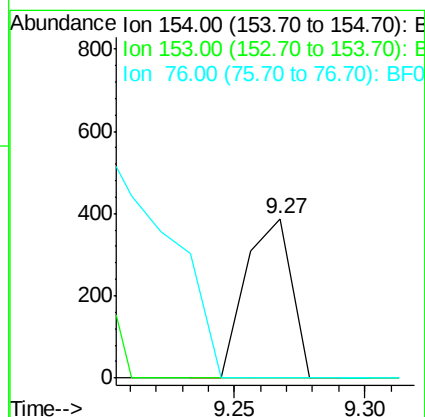
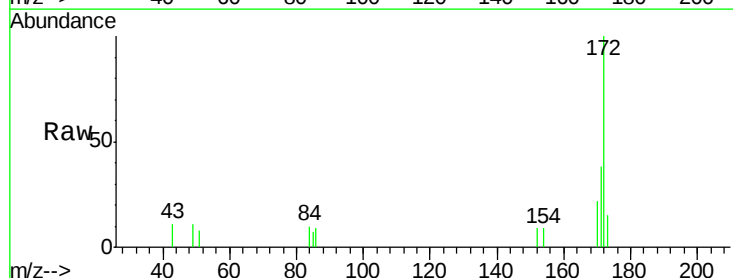
Instrument :
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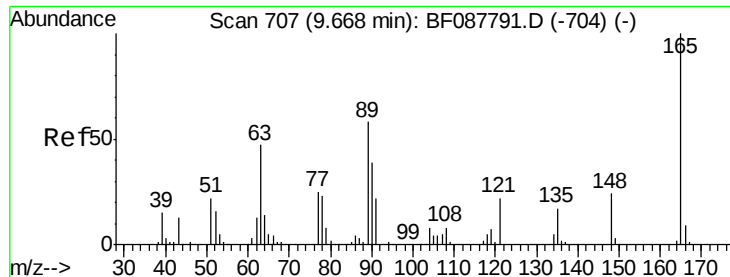
Tgt Ion:172 Resp: 1130714
 Ion Ratio Lower Upper
 172 100
 171 36.3 28.6 43.0
 170 24.3 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.27 min Scan# 672
 Delta R.T. -0.01 min
 Lab File: BF087972.D
 Acq: 13 Jun 2016 2:50

Tgt Ion:154 Resp: 477
 Ion Ratio Lower Upper
 154 100
 153 0.0 20.6 60.6#
 76 0.0 0.0 35.1

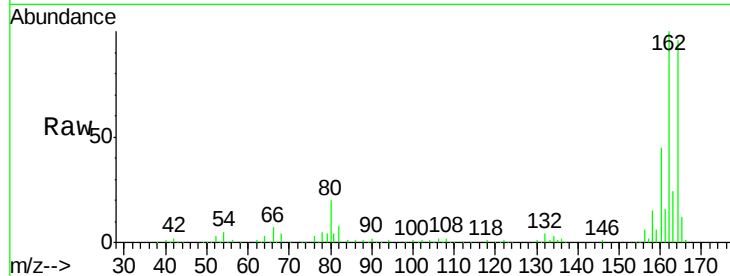




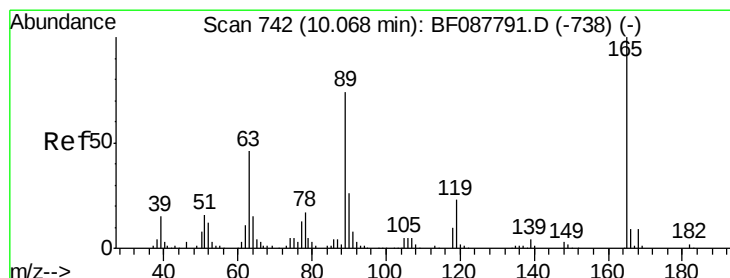
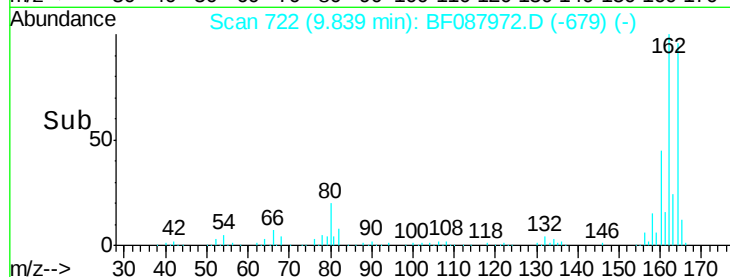
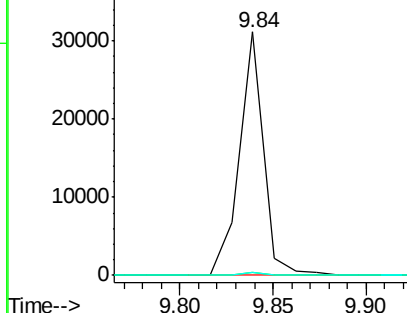
#50
 2,6-Dinitrotoluene
 Concen: 7.56 ng
 RT: 9.84 min Scan# 722
 Delta R.T. 0.19 min
 Lab File: BF087972.D
 Acq: 13 Jun 2016 2:50

Instrument :
 BNA_F
 ClientSampleId :
 STA-1160-(0-4)

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	28.1	42.1#
89	1.5	32.2	48.2#



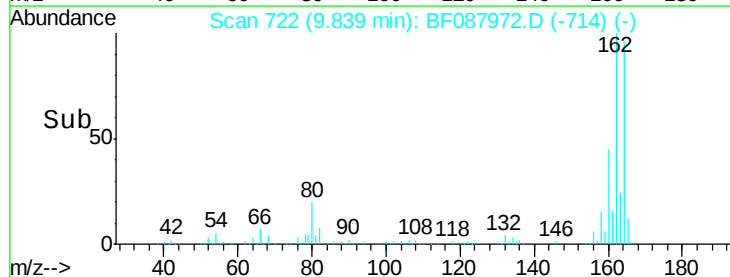
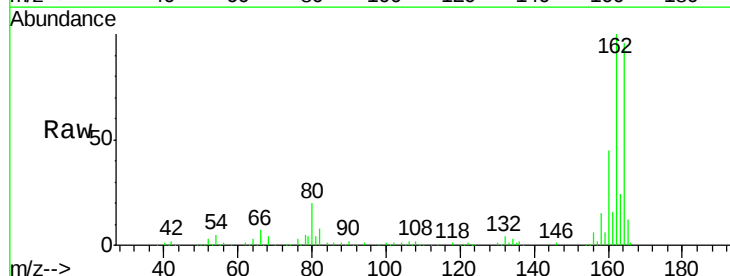
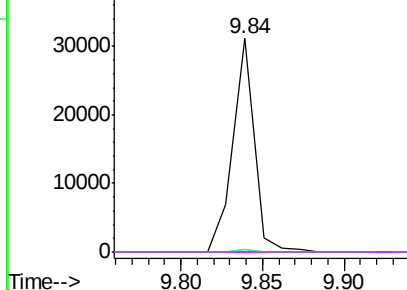
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

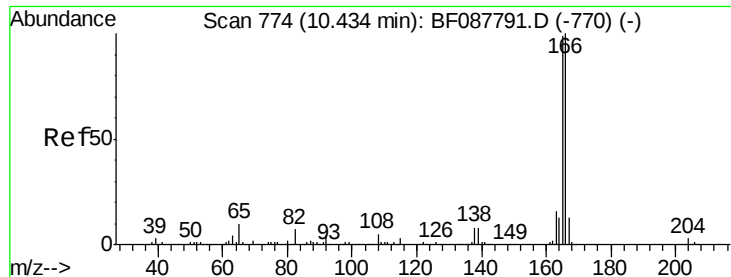


#56
 2,4-Dinitrotoluene
 Concen: 5.88 ng
 RT: 9.84 min Scan# 722
 Delta R.T. -0.21 min
 Lab File: BF087972.D
 Acq: 13 Jun 2016 2:50

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	22.0	33.0#
89	1.5	41.1	61.7#
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





#57

Fluorene

Concen: Below Cal

RT: 10.39 min Scan# 770

Delta R.T. -0.01 min

Lab File: BF087972.D

Acq: 13 Jun 2016 2:50

Instrument :

BNA_F

ClientSampleId :

STA-1160-(0-4)

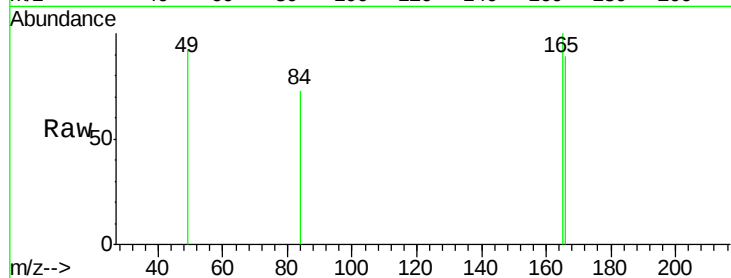
Tgt Ion:166 Resp: 582

Ion Ratio Lower Upper

166 100

165 112.2 77.8 116.8

167 0.0 11.2 16.8#

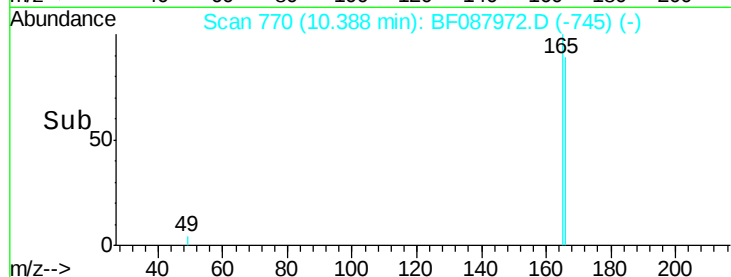


Abundance Ion 166.00 (165.70 to 166.70): E

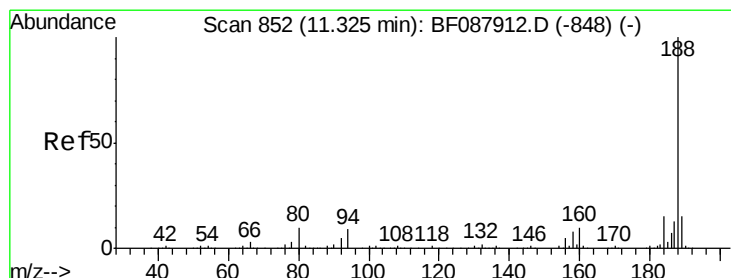
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

10.39



Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 852

Delta R.T. 0.00 min

Lab File: BF087972.D

Acq: 13 Jun 2016 2:50

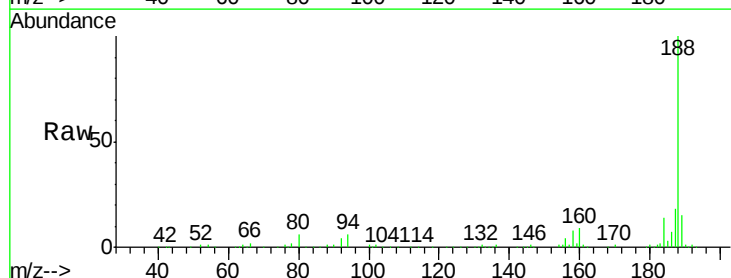
Tgt Ion:188 Resp: 427055

Ion Ratio Lower Upper

188 100

94 6.4 9.0 13.6#

80 6.3 10.0 15.0#

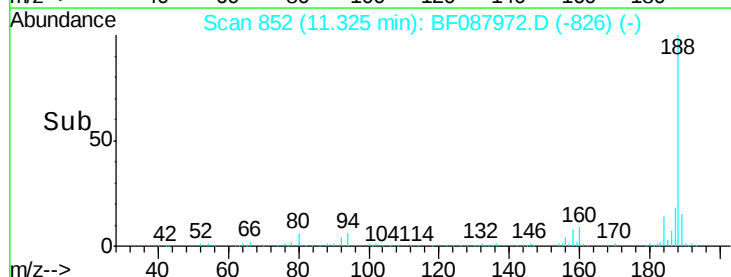


Abundance Ion 188.00 (187.70 to 188.70): E

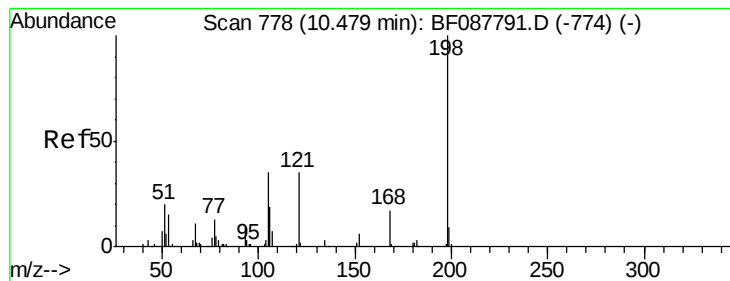
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

11.32



Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 2.32 ng

RT: 10.63 min Scan# 791

Delta R.T. 0.18 min

Lab File: BF087972.D

Acq: 13 Jun 2016 2:50

Instrument :

BNA_F

ClientSampleId :

STA-1160-(0-4)

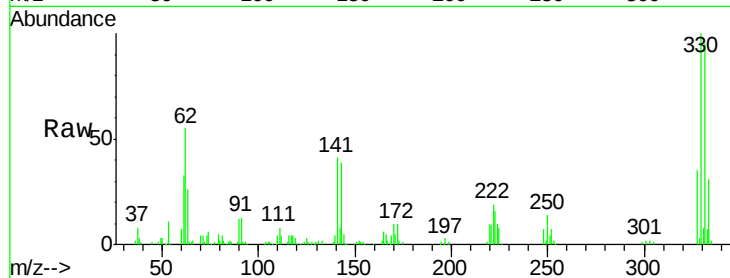
Tgt Ion:198 Resp: 430

Ion Ratio Lower Upper

198 100

51 146.7 39.6 79.6#

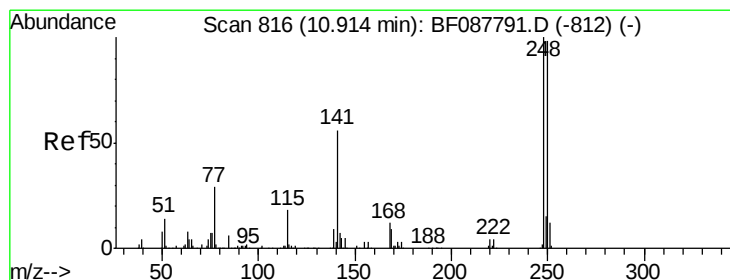
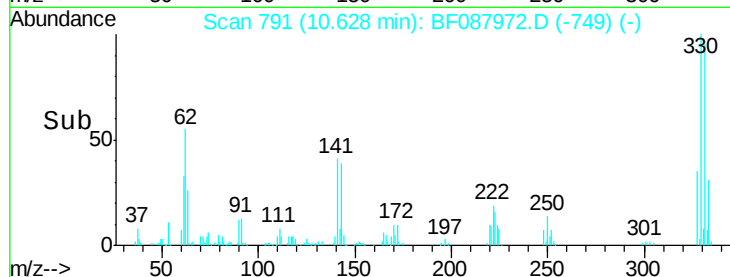
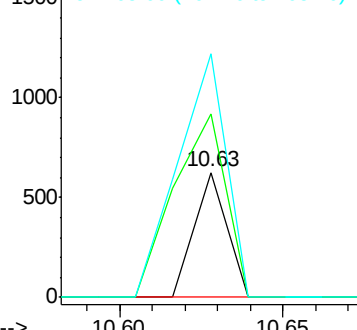
105 194.6 36.6 76.6#



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: 3.38 ng

RT: 10.63 min Scan# 791

Delta R.T. -0.25 min

Lab File: BF087972.D

Acq: 13 Jun 2016 2:50

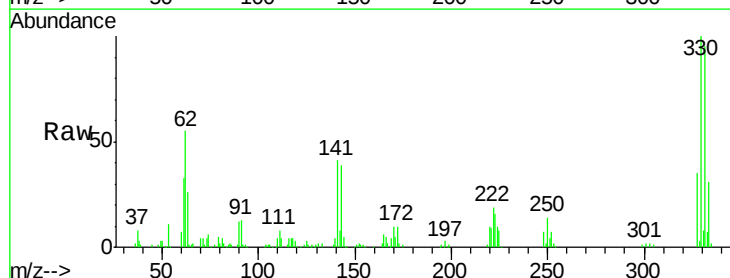
Tgt Ion:248 Resp: 15491

Ion Ratio Lower Upper

248 100

250 199.6 77.1 115.7#

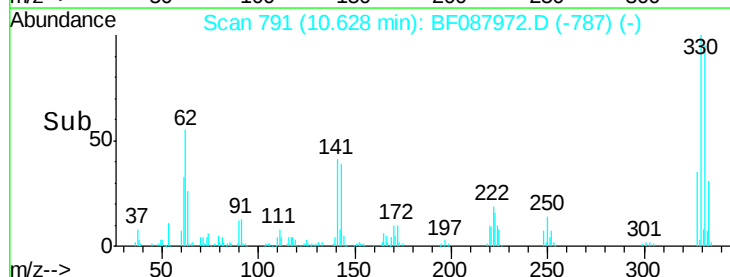
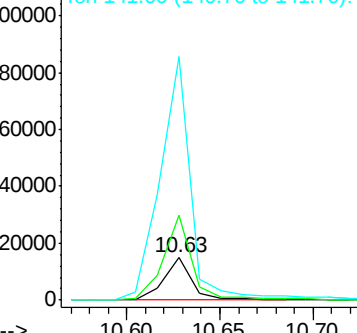
141 571.9 50.6 76.0#

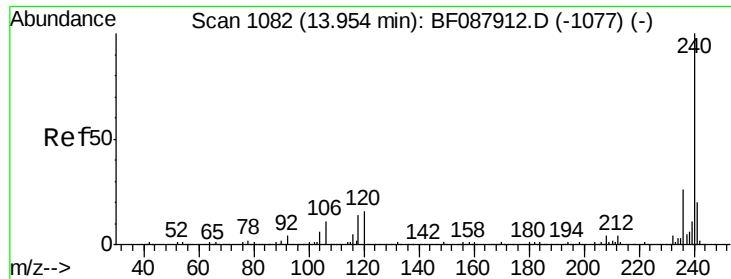


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

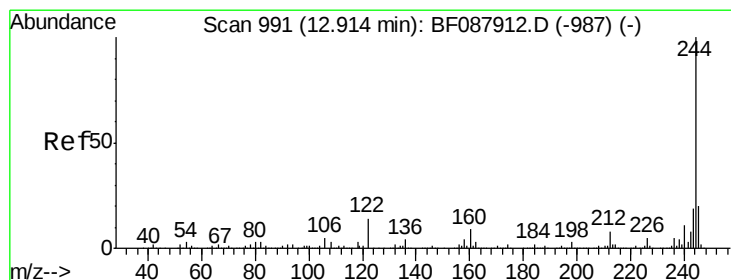
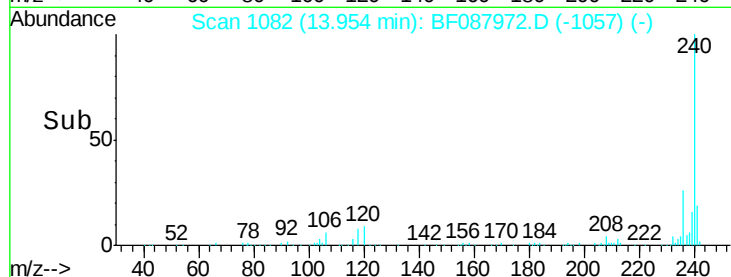
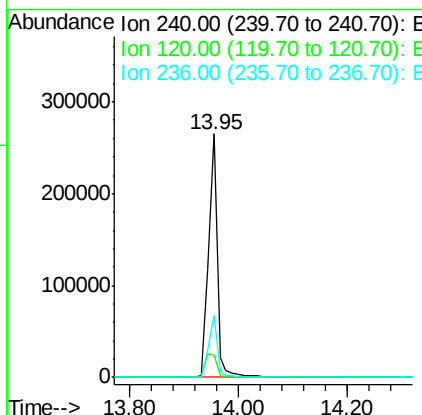
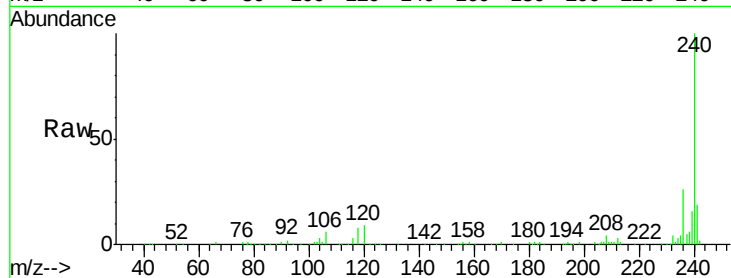




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.95 min Scan# 1082
 Delta R.T. -0.01 min
 Lab File: BF087972.D
 Acq: 13 Jun 2016 2:50

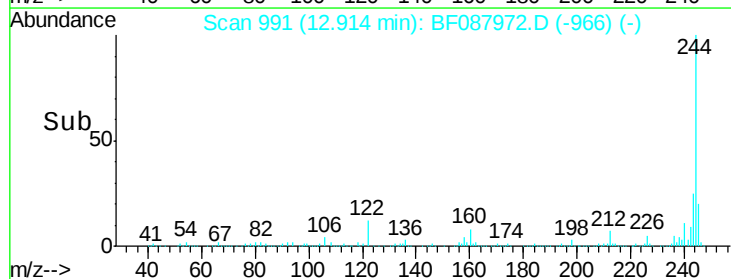
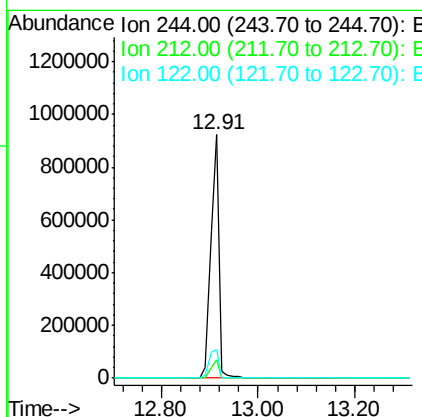
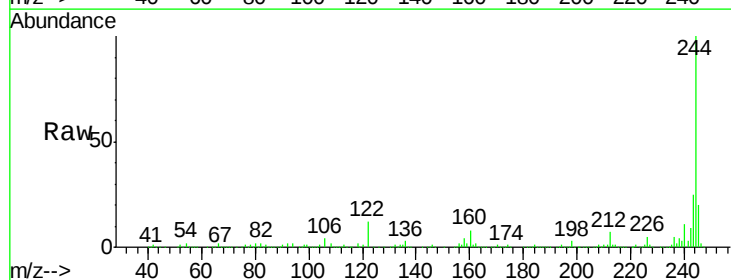
Instrument :
 BNA_F
 ClientSampleId :
 STA-1160-(0-4)

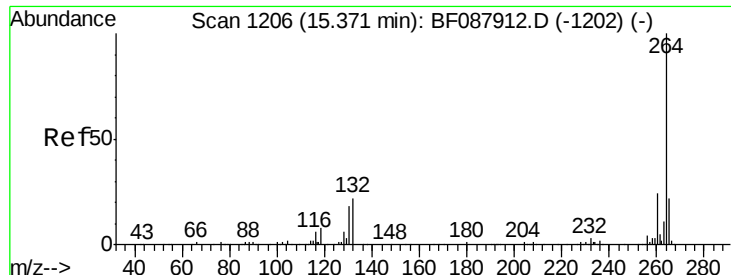
Tgt Ion:240 Resp: 296544
 Ion Ratio Lower Upper
 240 100
 120 9.1 6.8 10.2
 236 25.6 20.2 30.2



#78
 Terphenyl-d14
 Concen: 83.69 ng
 RT: 12.91 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: BF087972.D
 Acq: 13 Jun 2016 2:50

Tgt Ion:244 Resp: 1090685
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 11.6 11.2 16.8

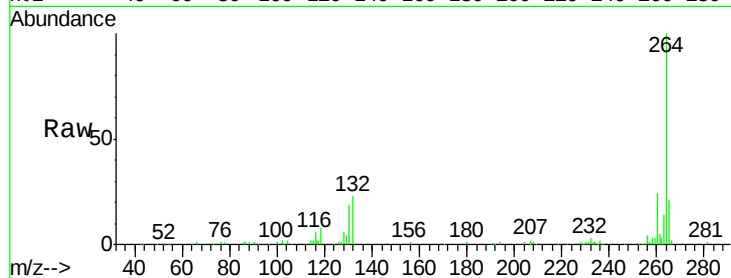




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1205
Delta R.T. -0.02 min
Lab File: BF087972.D
Acq: 13 Jun 2016 2:50

Instrument :
BNA_F
ClientSampleId :
STA-1160-(0-4)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.3	16.9	25.3



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

