

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061816\
 Data File : BF088164.D
 Acq On : 19 Jun 2016 6:11
 Operator : UM/SJ
 Sample : H3628-09
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-19

Quant Time: Jun 19 07:55:19 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 17 16:09:13 2016
 Response via : Initial Calibration

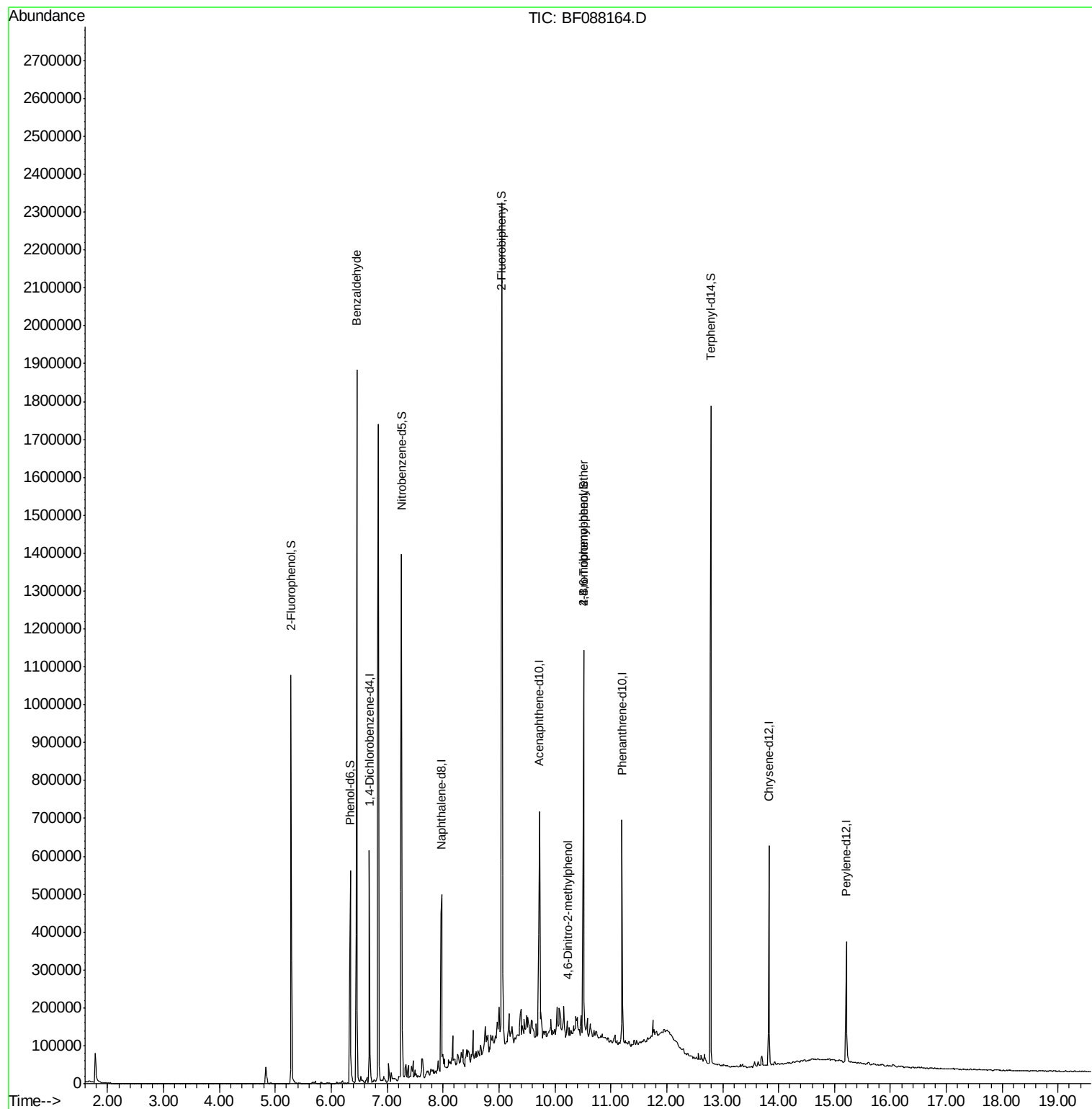
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	90277	20.00	ng	-0.01
21) Naphthalene-d8	7.98	136	312842	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	130370	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	207514	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	177944	20.00	ng	-0.02
86) Perylene-d12	15.21	264	134525	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	333799	63.21	ng	0.00
7) Phenol-d6	6.34	99	262891	41.08	ng	-0.01
23) Nitrobenzene-d5	7.26	82	489246	91.32	ng	-0.02
41) 2,4,6-Tribromophenol	10.51	330	129484	94.06	ng	-0.01
44) 2-Fluorobiphenyl	9.05	172	756400	91.57	ng	-0.02
78) Terphenyl-d14	12.79	244	659611	84.35	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.46	77	11682	2.63	ng	# 73
10) Phenol	6.35	94	1647	Below	Cal	# 4
45) 1,1'-Biphenyl	9.05	154	1765	Below	Cal	# 1
57) Fluorene	10.27	166	1513	Below	Cal	# 70
64) 4,6-Dinitro-2-methylphenol	10.23	198	207	2.32	ng	# 1
66) 4-Bromophenyl-phenylether	10.51	248	9063	4.07	ng	# 1

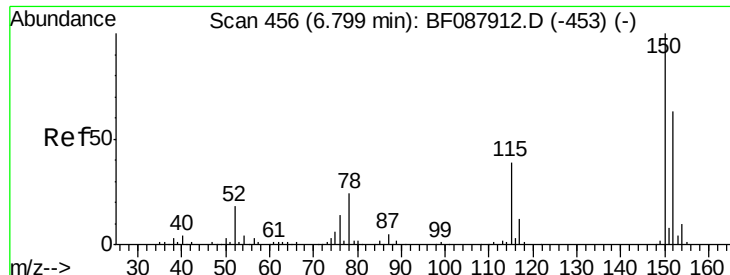
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 446

Delta R.T. -0.01 min

Lab File: BF088164.D

Acq: 19 Jun 2016 6:11

Instrument :

BNA_F

ClientSampleId :

W-19

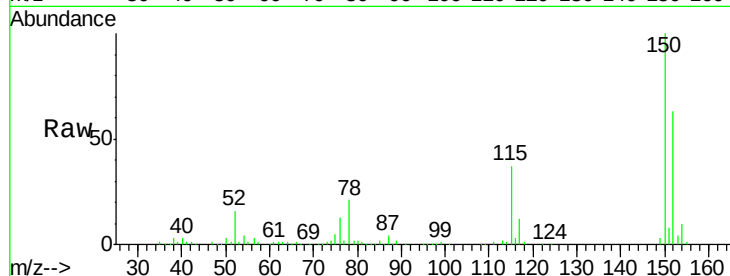
Tgt Ion:152 Resp: 90277

Ion Ratio Lower Upper

152 100

150 157.7 123.8 185.6

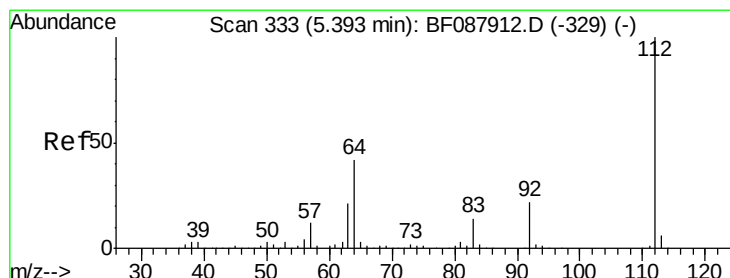
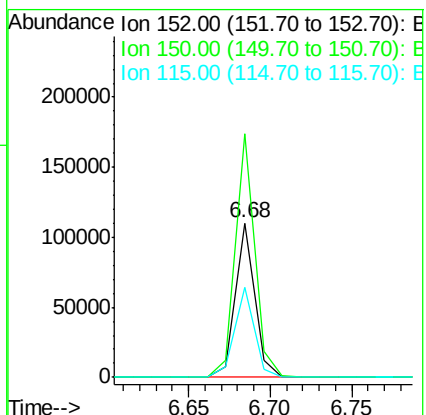
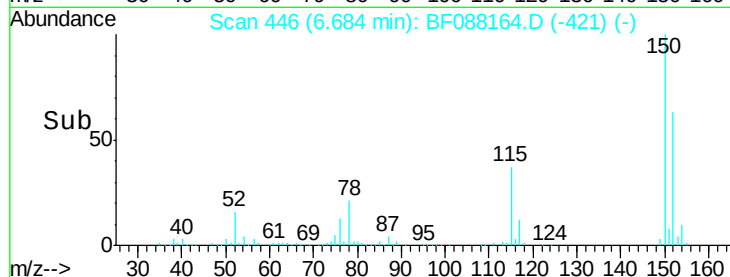
115 58.2 39.6 59.4



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: 63.21 ng

RT: 5.28 min Scan# 323

Delta R.T. -0.00 min

Lab File: BF088164.D

Acq: 19 Jun 2016 6:11

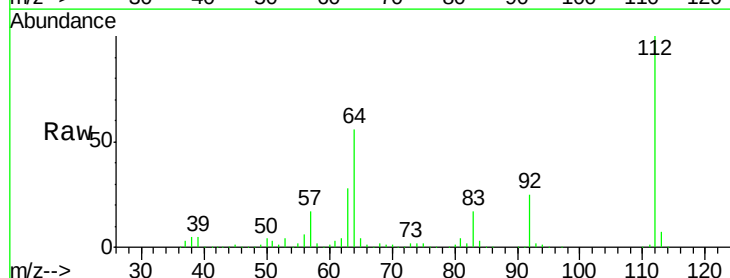
Tgt Ion:112 Resp: 333799

Ion Ratio Lower Upper

112 100

64 56.1 42.2 63.2

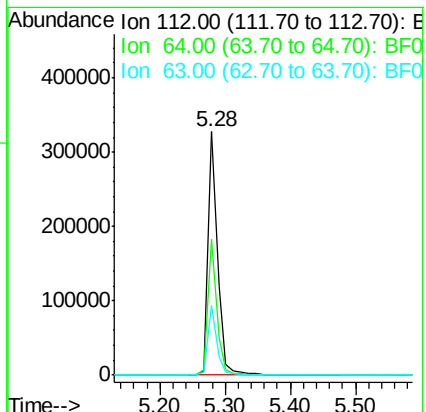
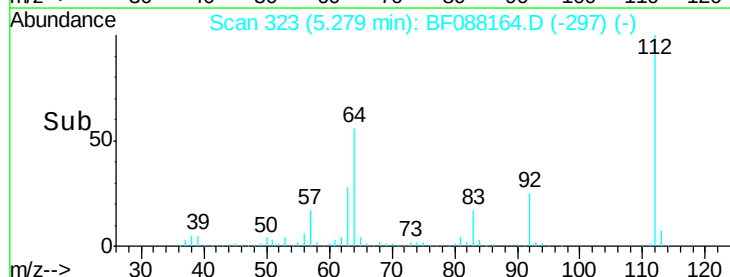
63 28.4 21.8 32.8

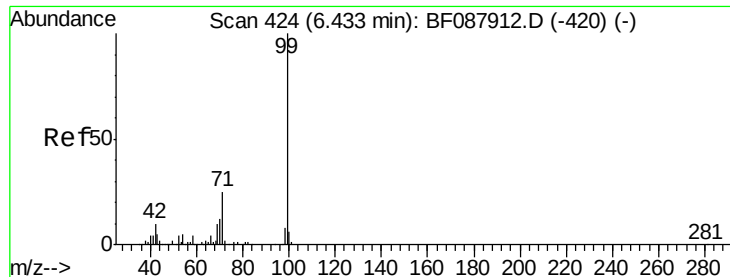


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 41.08 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF088164.D

Acq: 19 Jun 2016 6:11

Instrument :

BNA_F

ClientSampleId :

W-19

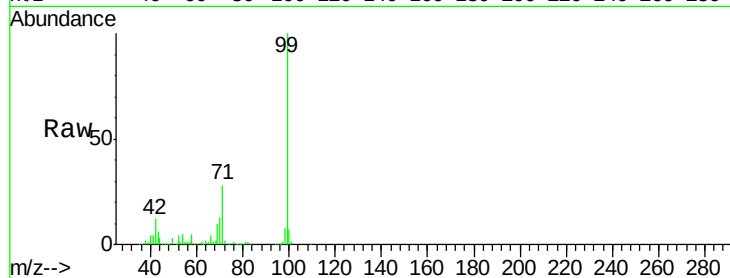
Tgt Ion: 99 Resp: 262891

Ion Ratio Lower Upper

99 100

42 12.0 12.2 18.2#

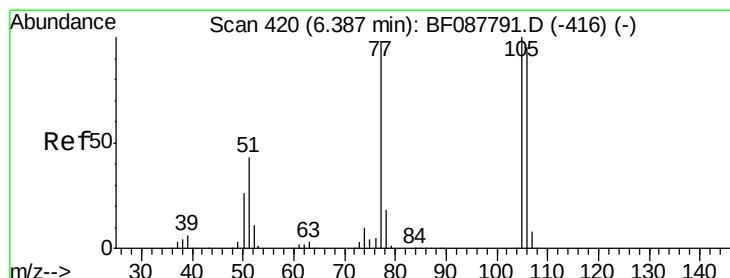
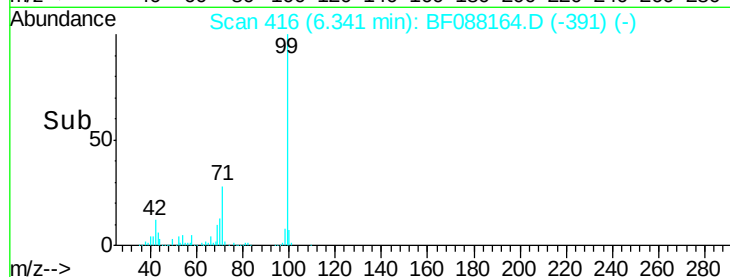
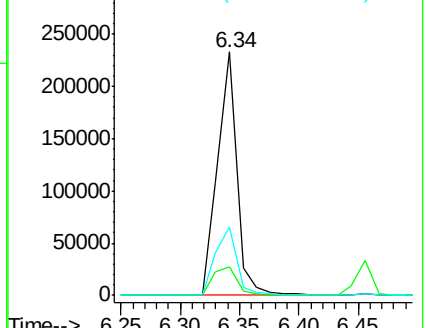
71 27.9 23.4 35.0



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: 2.63 ng

RT: 6.46 min Scan# 426

Delta R.T. 0.22 min

Lab File: BF088164.D

Acq: 19 Jun 2016 6:11

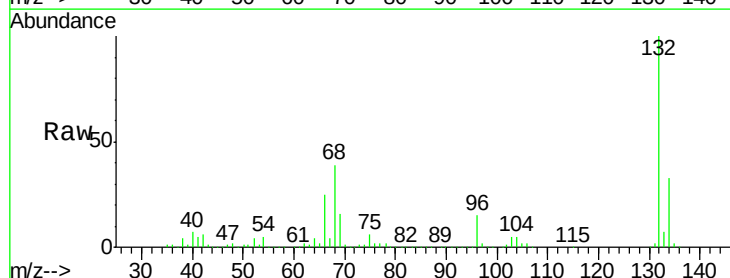
Tgt Ion: 77 Resp: 11682

Ion Ratio Lower Upper

77 100

105 83.0 90.6 130.6#

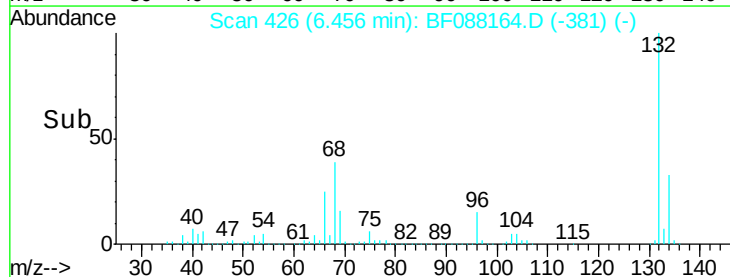
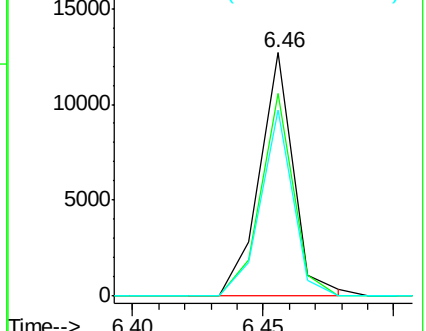
106 76.4 85.3 125.3#

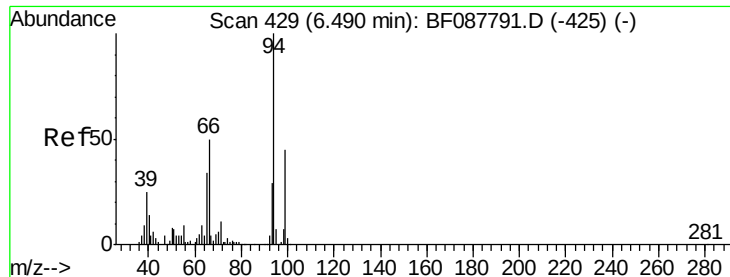


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: Below Cal

RT: 6.35 min Scan# 417

Delta R.T. -0.01 min

Lab File: BF088164.D

Acq: 19 Jun 2016 6:11

Instrument :

BNA_F

ClientSampleId :

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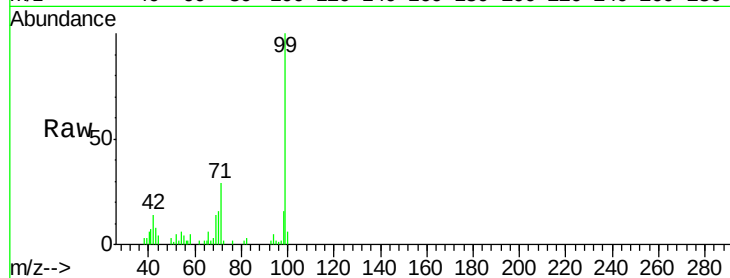
Tgt Ion: 94 Resp: 1647

Ion Ratio Lower Upper

94 100

65 40.5 5.9 45.9

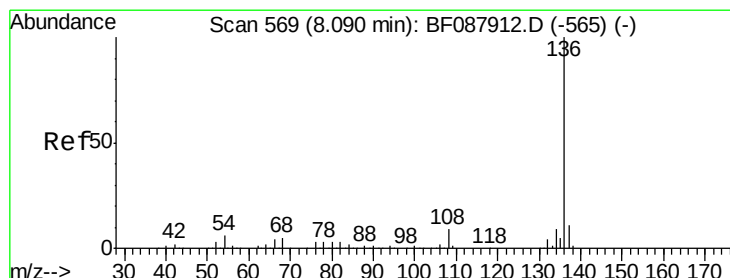
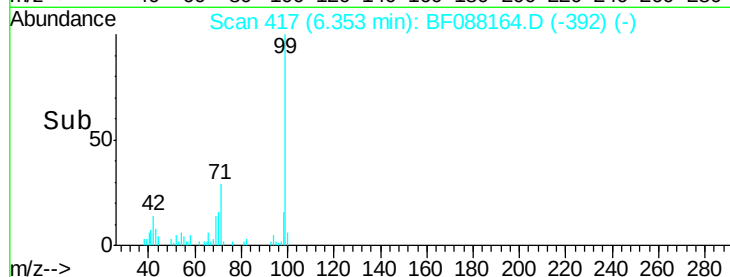
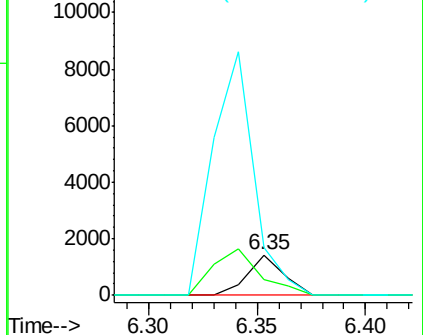
66 118.3 14.0 54.0#



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 559

Delta R.T. -0.01 min

Lab File: BF088164.D

Acq: 19 Jun 2016 6:11

Tgt Ion: 136 Resp: 312842

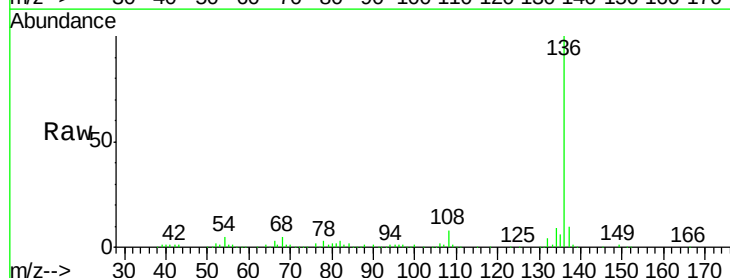
Ion Ratio Lower Upper

136 100

137 10.4 9.1 13.7

54 4.9 6.6 10.0#

68 4.7 5.1 7.7#

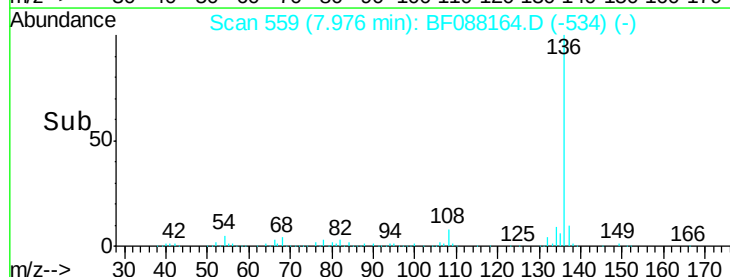
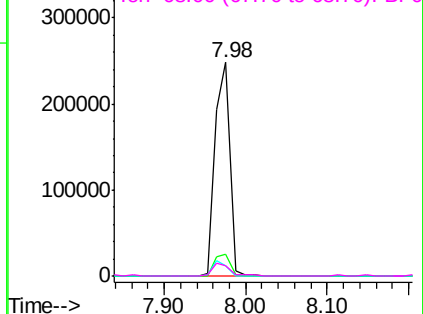


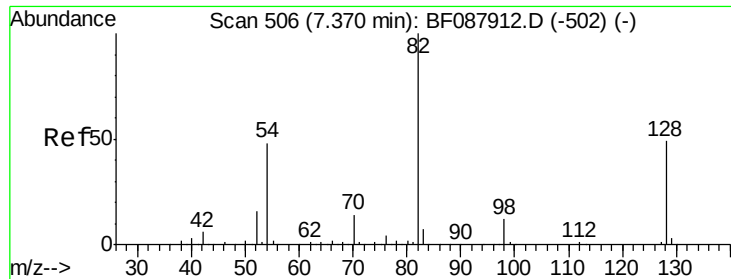
Abundance Ion 136.00 (135.70 to 136.70): E

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

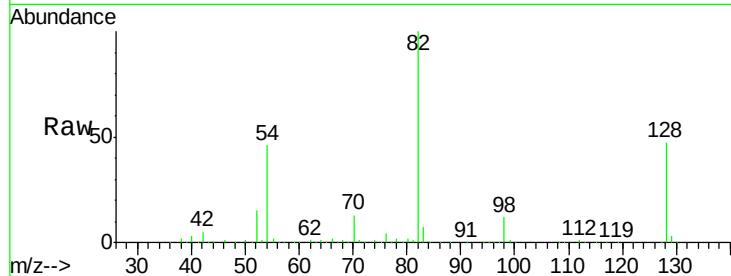




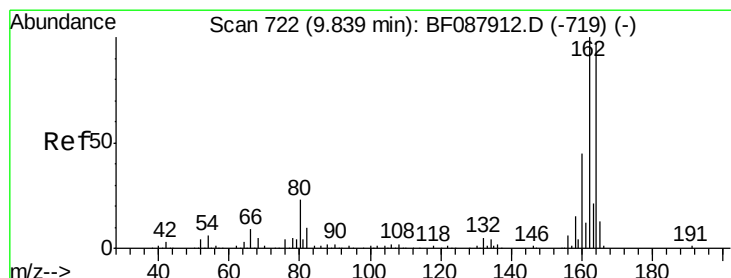
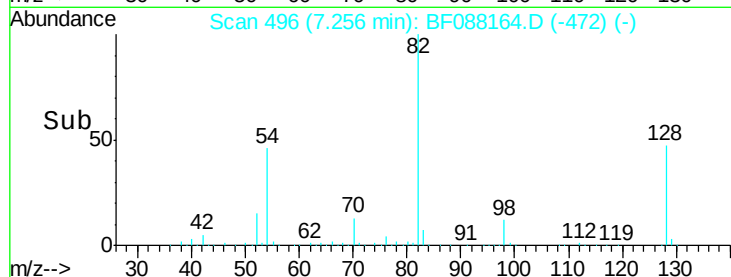
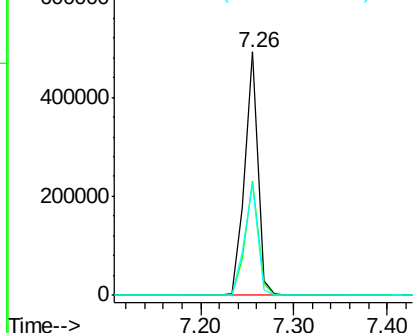
#23
 Nitrobenzene-d5
 Concen: 91.32 ng
 RT: 7.26 min Scan# 496
 Delta R.T. -0.02 min
 Lab File: BF088164.D
 Acq: 19 Jun 2016 6:11

Instrument :
 BNA_F
 ClientSampleId :
 W-19

Tgt Ion: 82 Resp: 489246
 Ion Ratio Lower Upper
 82 100
 128 46.7 35.9 53.9
 54 45.7 40.9 61.3

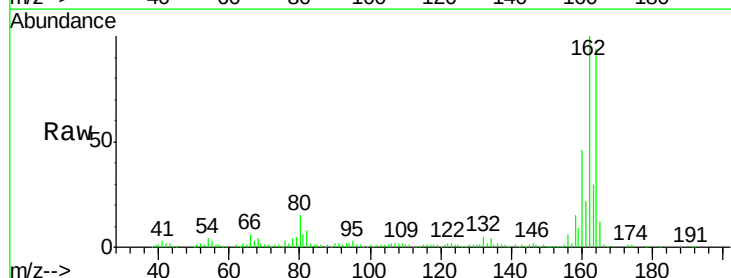


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

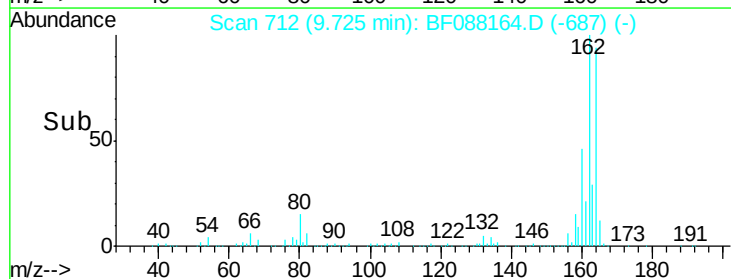
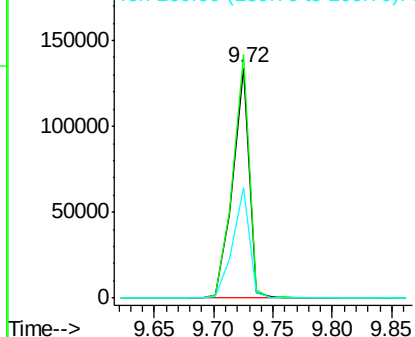


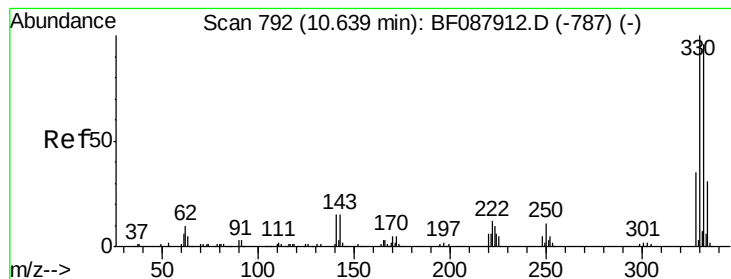
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.72 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: BF088164.D
 Acq: 19 Jun 2016 6:11

Tgt Ion: 164 Resp: 130370
 Ion Ratio Lower Upper
 164 100
 162 106.1 85.4 128.2
 160 48.4 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

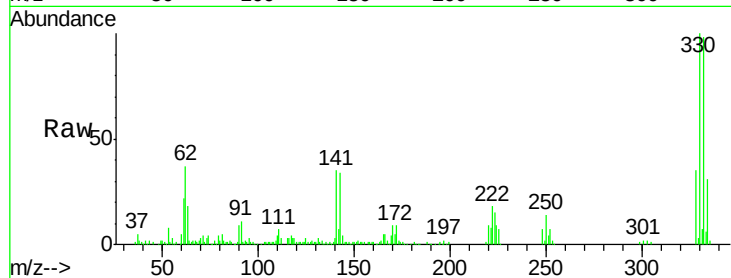




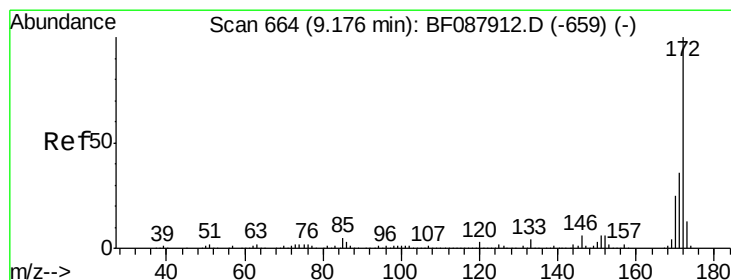
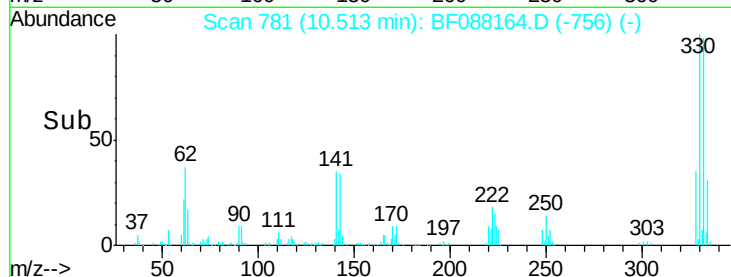
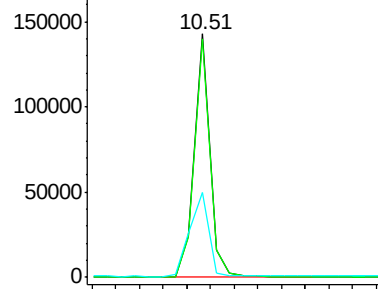
#41
 2,4,6-Tribromophenol
 Concen: 94.06 ng
 RT: 10.51 min Scan# 781
 Delta R.T. -0.01 min
 Lab File: BF088164.D
 Acq: 19 Jun 2016 6:11

Instrument :
 BNA_F
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Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.0	0.0	0.0#
141	42.8	0.0	0.0#

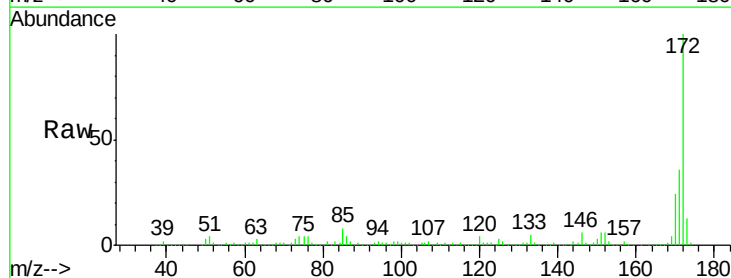


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

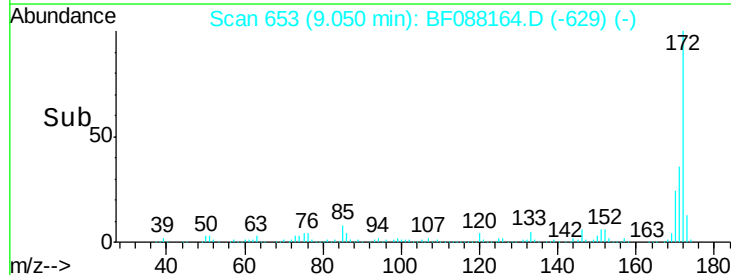
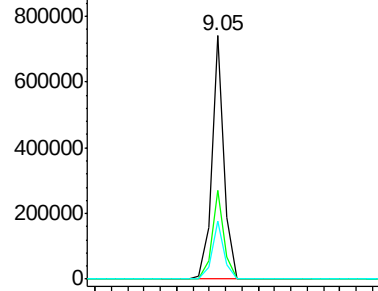


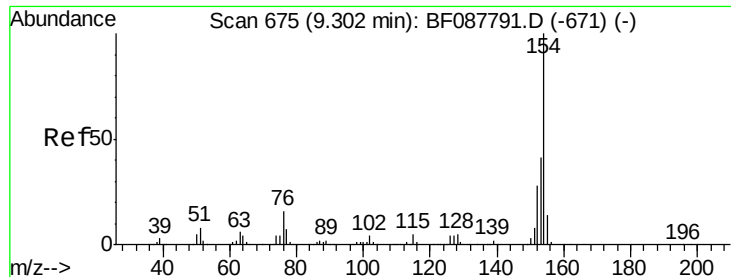
#44
 2-Fluorobiphenyl
 Concen: 91.57 ng
 RT: 9.05 min Scan# 653
 Delta R.T. -0.02 min
 Lab File: BF088164.D
 Acq: 19 Jun 2016 6:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	43.0
170	24.0	19.2	28.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: Below Cal

RT: 9.05 min Scan# 653

Delta R.T. -0.11 min

Lab File: BF088164.D

Acq: 19 Jun 2016 6:11

Instrument :

BNA_F

ClientSampleId :

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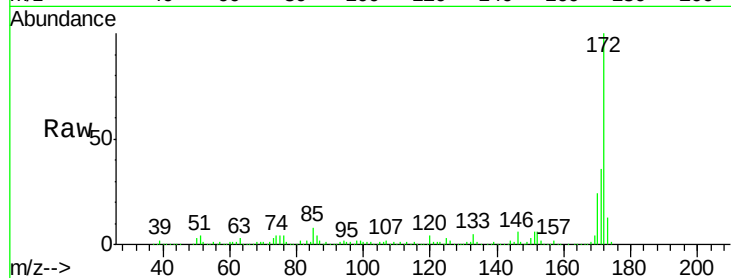
Tgt Ion:154 Resp: 1765

Ion Ratio Lower Upper

154 100

153 871.2 20.6 60.6#

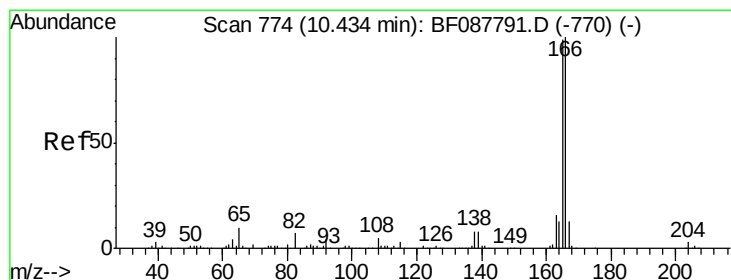
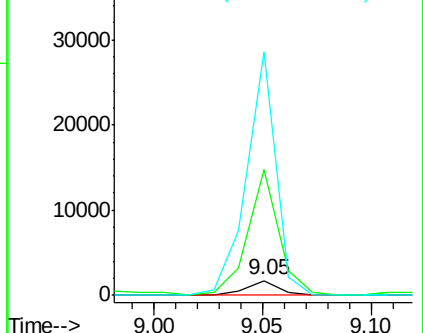
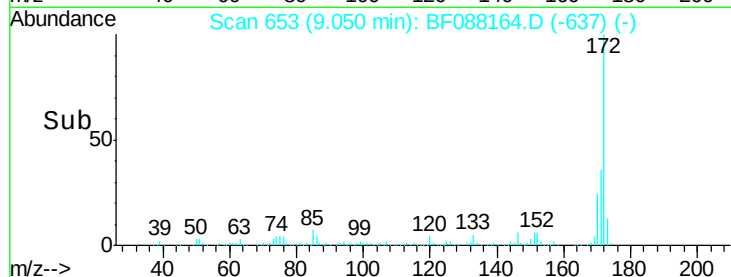
76 1682.9 0.0 35.1#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#57

Fluorene

Concen: Below Cal

RT: 10.27 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF088164.D

Acq: 19 Jun 2016 6:11

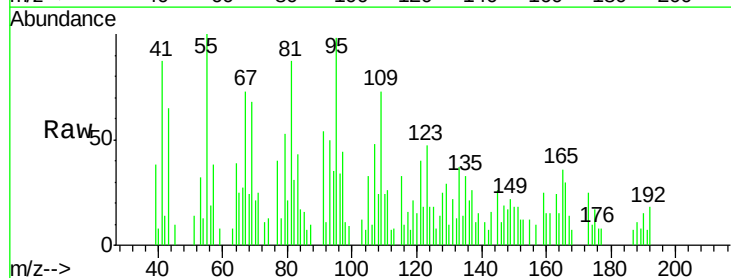
Tgt Ion:166 Resp: 1513

Ion Ratio Lower Upper

166 100

165 119.0 77.8 116.8#

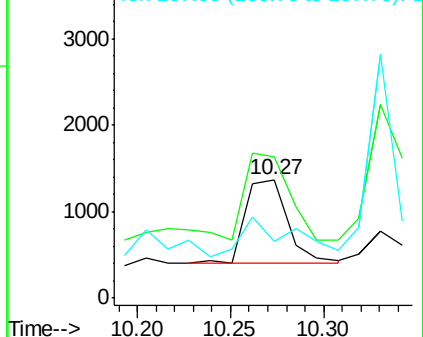
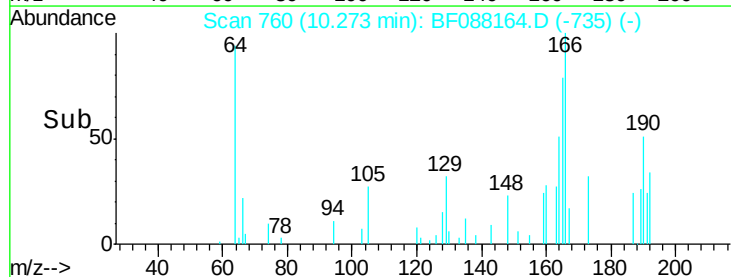
167 47.6 11.2 16.8#

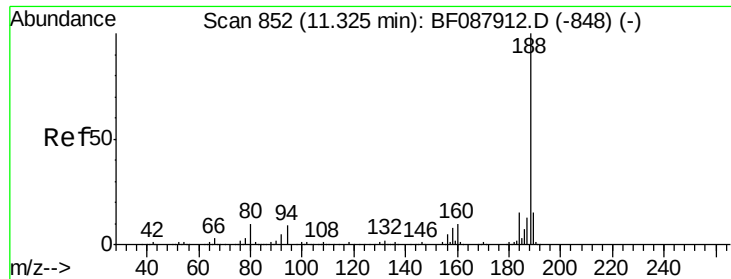


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

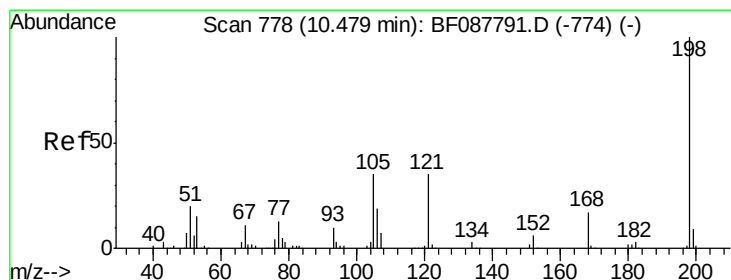
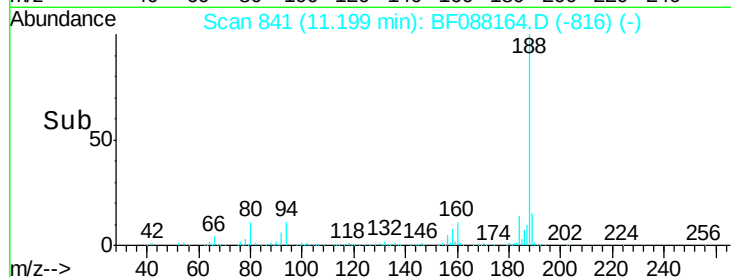
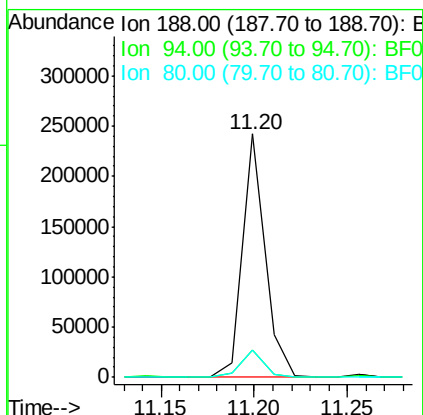
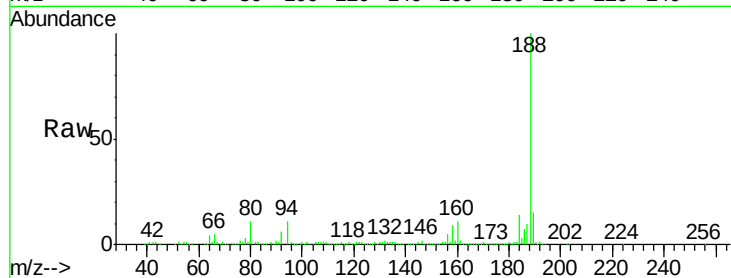




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 841
Delta R.T. -0.01 min
Lab File: BF088164.D
Acq: 19 Jun 2016 6:11

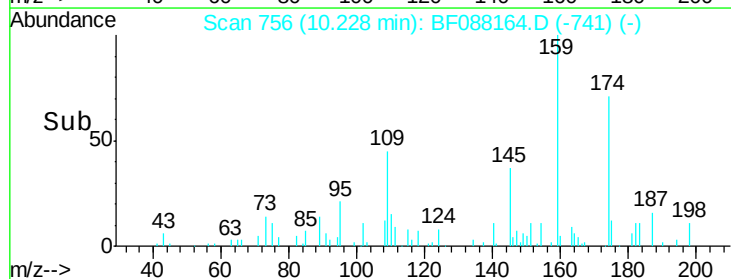
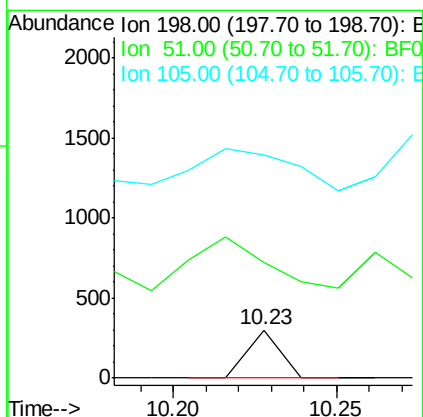
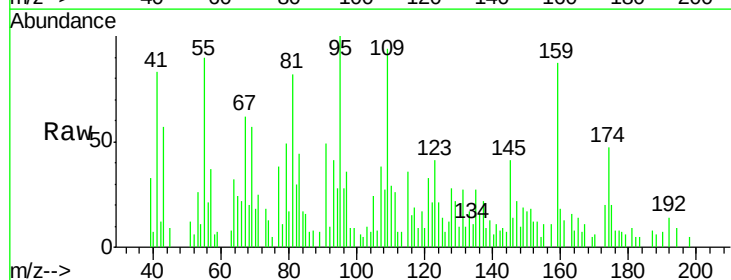
Instrument :
BNA_F
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W-19

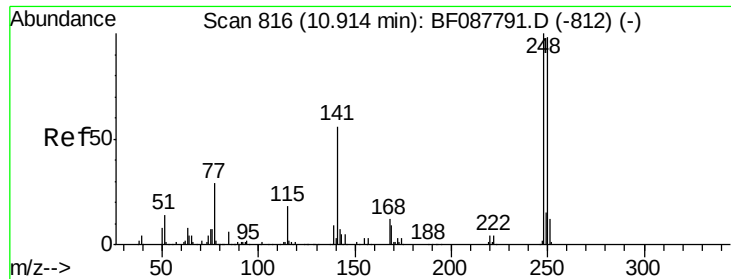
Tgt Ion:188 Resp: 207514
Ion Ratio Lower Upper
188 100
94 11.3 9.0 13.6
80 11.5 10.0 15.0



#64
4,6-Dinitro-2-methylphenol
Concen: 2.32 ng
RT: 10.23 min Scan# 756
Delta R.T. -0.13 min
Lab File: BF088164.D
Acq: 19 Jun 2016 6:11

Tgt Ion:198 Resp: 207
Ion Ratio Lower Upper
198 100
51 238.7 39.6 79.6#
105 460.3 36.6 76.6#





#66

4-Bromophenyl-phenylether

Concen: 4.07 ng

RT: 10.51 min Scan# 781

Delta R.T. -0.25 min

Lab File: BF088164.D

Acq: 19 Jun 2016 6:11

Instrument :

BNA_F

ClientSampleId :

W-19

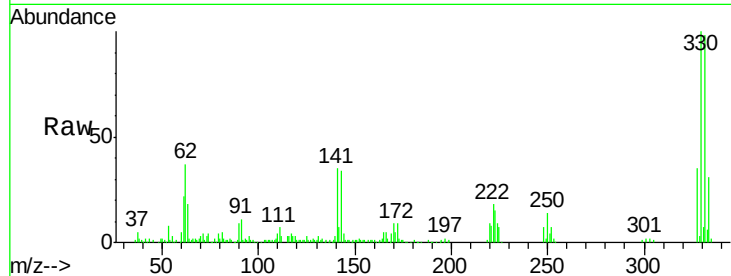
Tgt Ion:248 Resp: 9063

Ion Ratio Lower Upper

248 100

250 196.9 77.1 115.7#

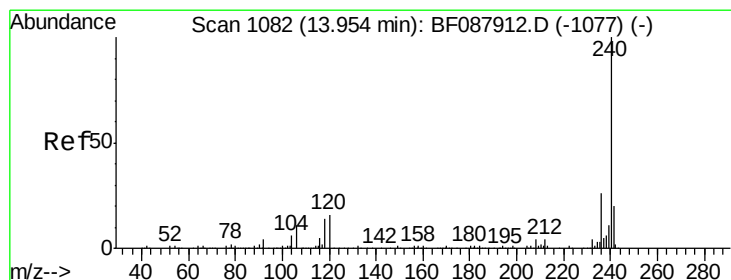
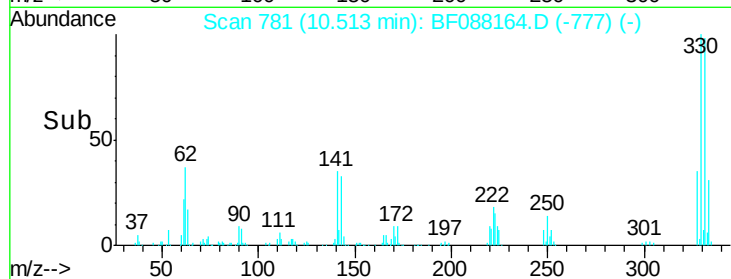
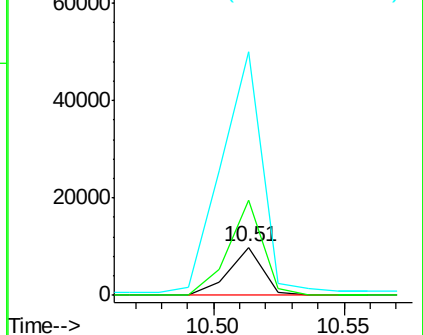
141 507.2 50.6 76.0#



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: 13.83 min Scan# 1071

Delta R.T. -0.02 min

Lab File: BF088164.D

Acq: 19 Jun 2016 6:11

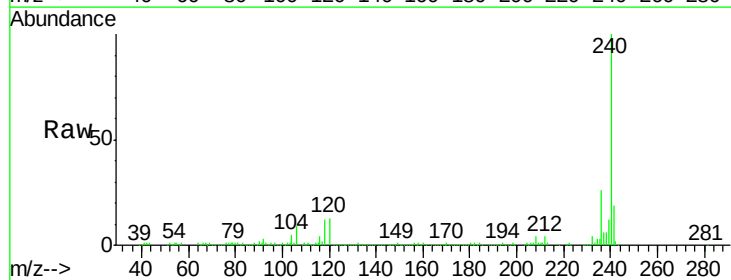
Tgt Ion:240 Resp: 177944

Ion Ratio Lower Upper

240 100

120 12.9 6.8 10.2#

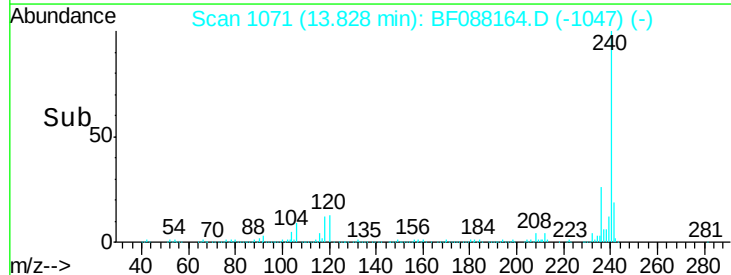
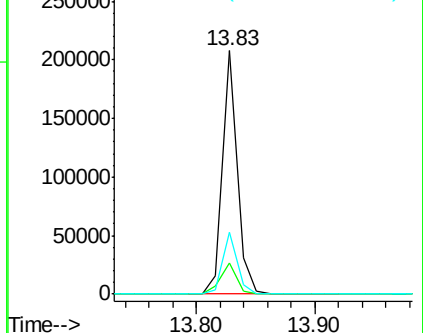
236 25.6 20.2 30.2

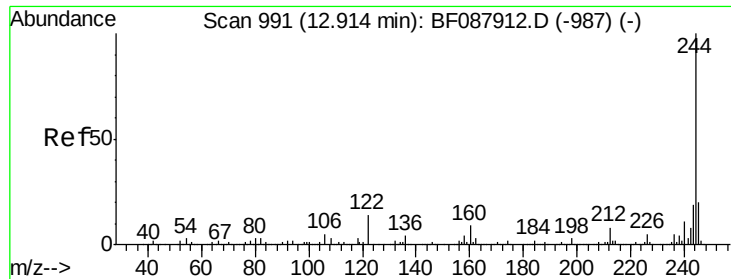


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

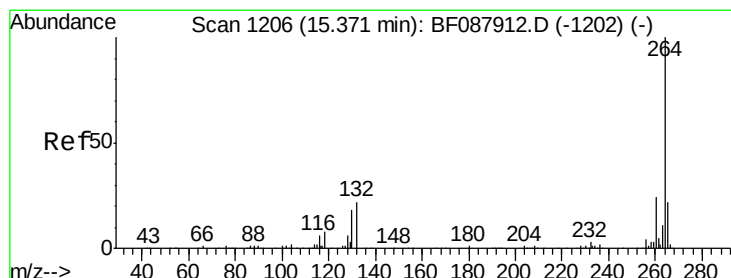
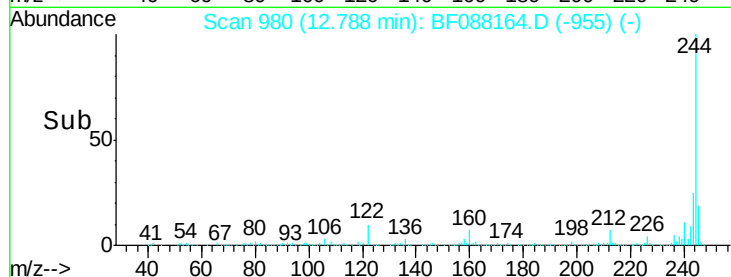
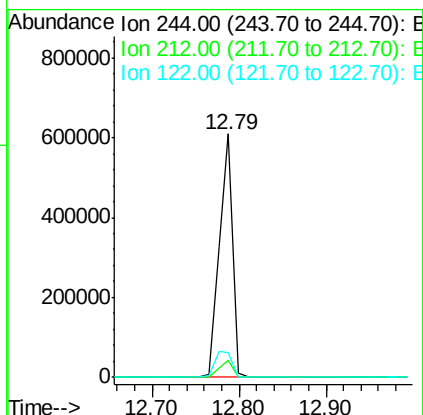
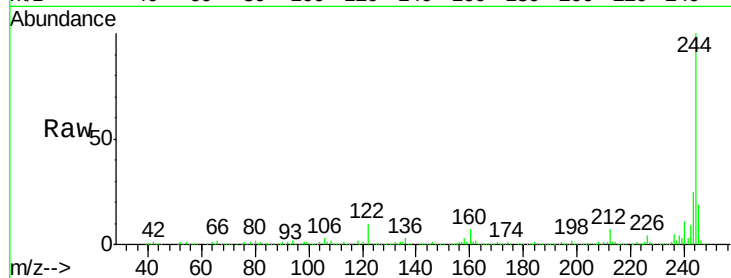




#78
 Terphenyl-d14
 Concen: 84.35 ng
 RT: 12.79 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: BF088164.D
 Acq: 19 Jun 2016 6:11

Instrument :
 BNA_F
 ClientSampleId :
 W-19

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	10.2	11.2	16.8#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.21 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF088164.D
 Acq: 19 Jun 2016 6:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.1	16.9	25.3

