

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061816\
 Data File : BF088165.D
 Acq On : 19 Jun 2016 6:40
 Operator : UM/SJ
 Sample : H3628-10
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-40

Quant Time: Jun 19 07:55:28 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

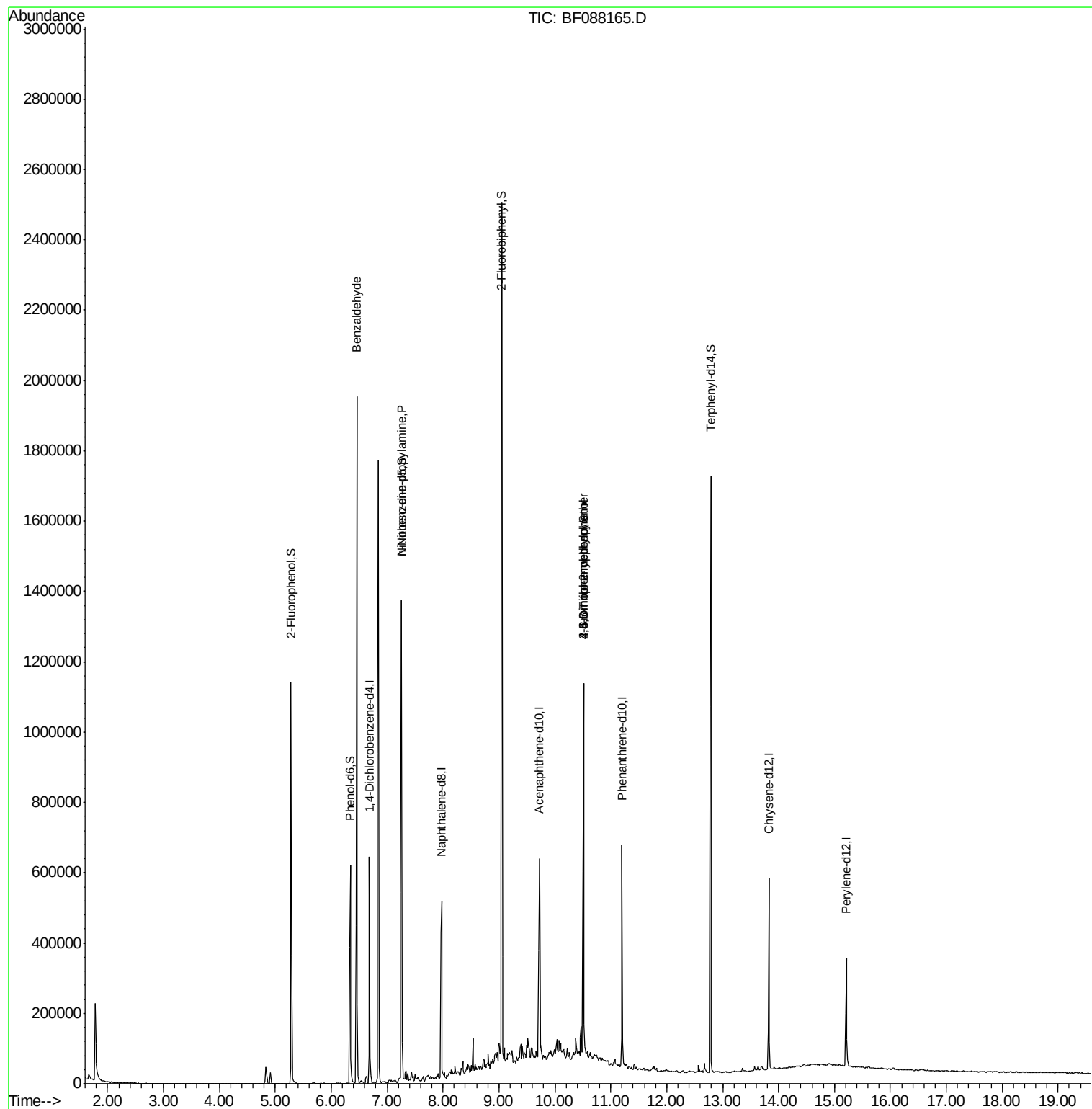
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	94461	20.00	ng	-0.01
21) Naphthalene-d8	7.98	136	327334	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	132791	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	214775	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	175506	20.00	ng	-0.02
86) Perylene-d12	15.21	264	134287	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	357900	64.77	ng	0.00
7) Phenol-d6	6.34	99	294315	43.95	ng	-0.01
23) Nitrobenzene-d5	7.26	82	496463	88.57	ng	-0.02
41) 2,4,6-Tribromophenol	10.51	330	145502	103.77	ng	-0.01
44) 2-Fluorobiphenyl	9.05	172	778591	92.60	ng	-0.02
78) Terphenyl-d14	12.79	244	641278	83.15	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.46	77	12480	2.67	ng	# 73
10) Phenol	6.35	94	429	Below	Cal	# 1
19) n-Nitroso-di-n-propylamine	7.26	70	67349	15.72	ng	# 69
45) 1,1'-Biphenyl	9.05	154	1605	Below	Cal	# 1
57) Fluorene	10.26	166	291	Below	Cal	# 5
64) 4,6-Dinitro-2-methylphenol	10.51	198	287	2.37	ng	# 1
66) 4-Bromophenyl-phenylether	10.51	248	9817	4.26	ng	# 1

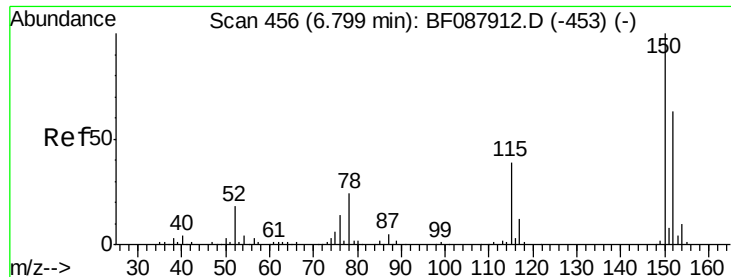
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF088165.D

Acq: 19 Jun 2016 6:40

Instrument :

BNA_F

ClientSampled :

W-40

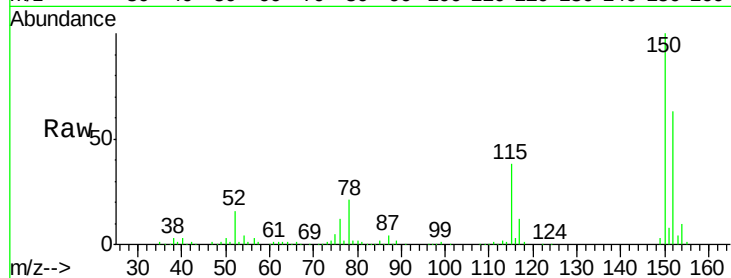
Tgt Ion:152 Resp: 94461

Ion Ratio Lower Upper

152 100

150 157.8 123.8 185.6

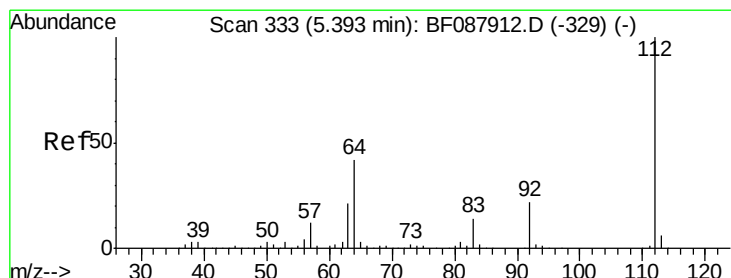
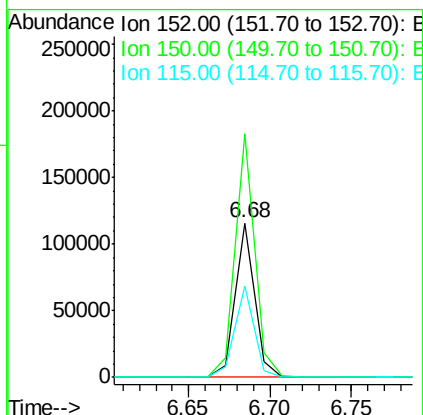
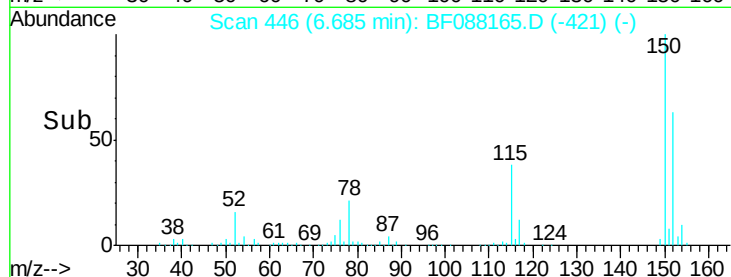
115 59.6 39.6 59.4#



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: 64.77 ng

RT: 5.28 min Scan# 323

Delta R.T. -0.00 min

Lab File: BF088165.D

Acq: 19 Jun 2016 6:40

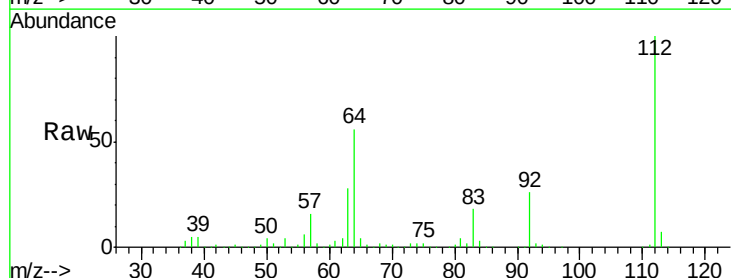
Tgt Ion:112 Resp: 357900

Ion Ratio Lower Upper

112 100

64 55.9 42.2 63.2

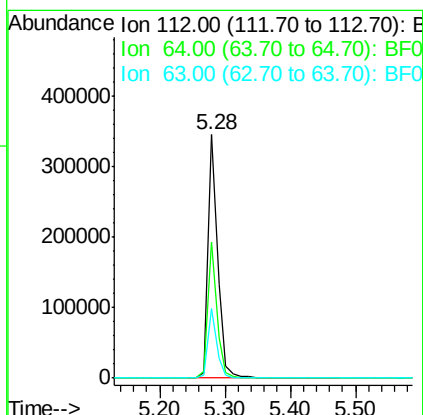
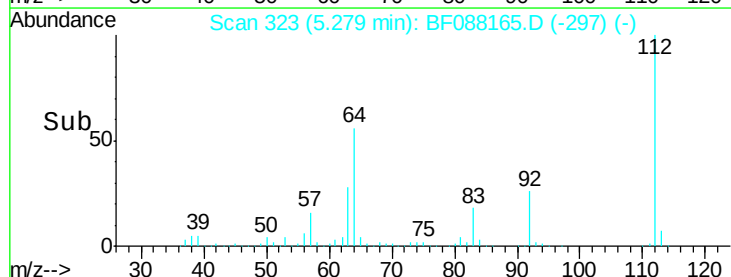
63 28.4 21.8 32.8

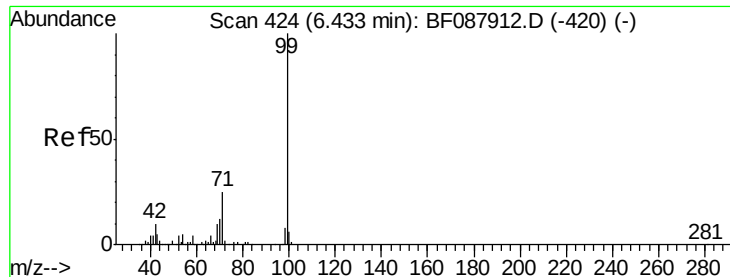


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 43.95 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF088165.D

Acq: 19 Jun 2016 6:40

Instrument :

BNA_F

ClientSampleId :

W-40

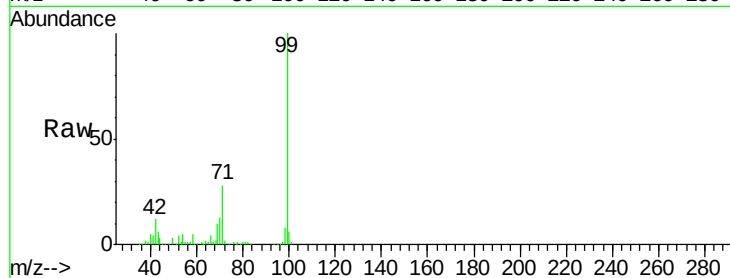
Tgt Ion: 99 Resp: 294315

Ion Ratio Lower Upper

99 100

42 12.0 12.2 18.2#

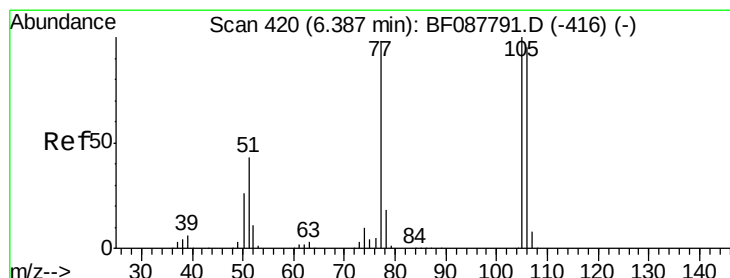
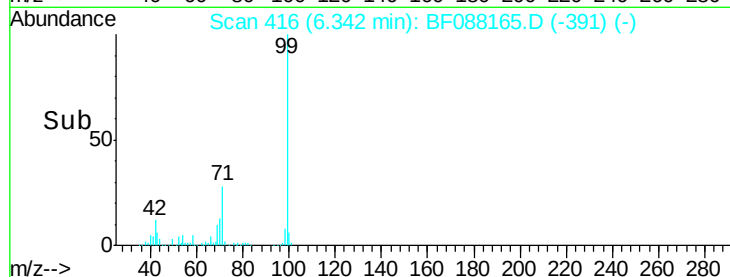
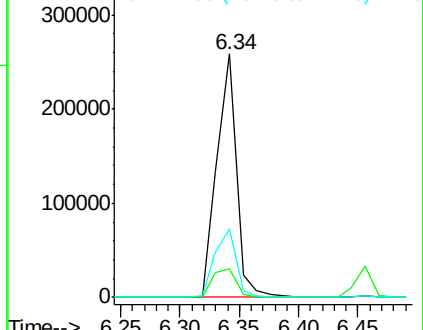
71 28.0 23.4 35.0



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: 2.67 ng

RT: 6.46 min Scan# 426

Delta R.T. 0.22 min

Lab File: BF088165.D

Acq: 19 Jun 2016 6:40

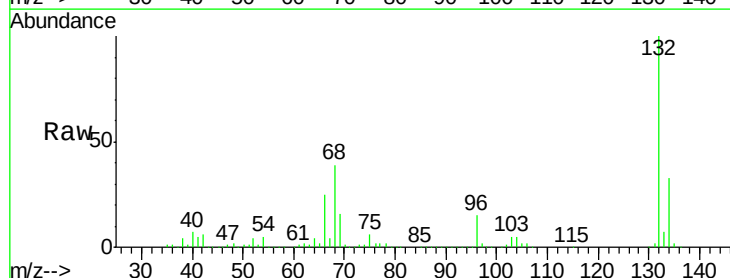
Tgt Ion: 77 Resp: 12480

Ion Ratio Lower Upper

77 100

105 84.1 90.6 130.6#

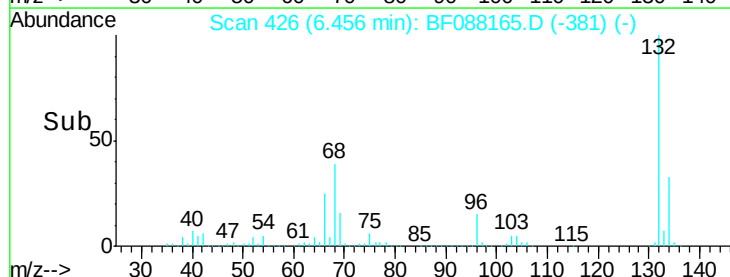
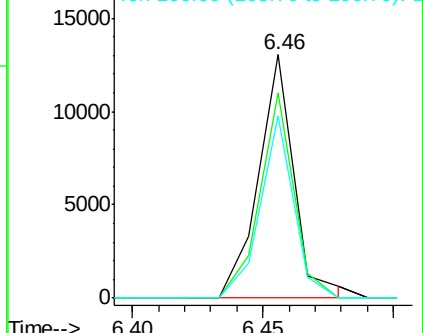
106 74.8 85.3 125.3#

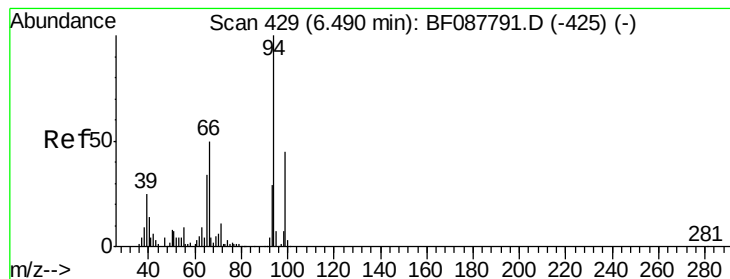


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: BF088165.D

Acq: 19 Jun 2016 6:40

Instrument :

BNA_F

ClientSampleId :

W-40

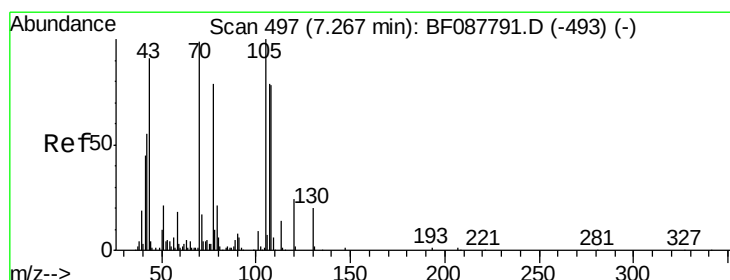
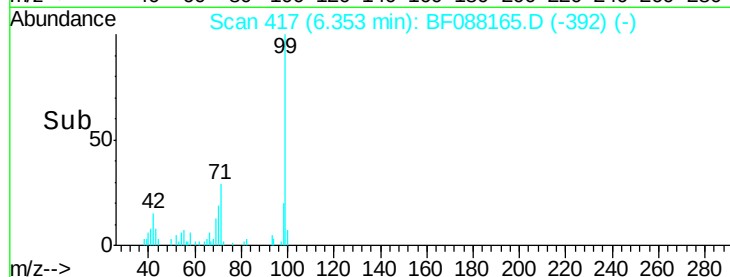
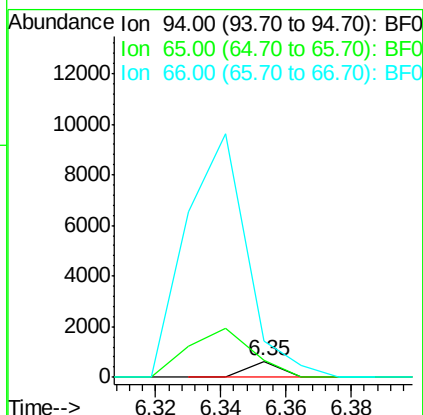
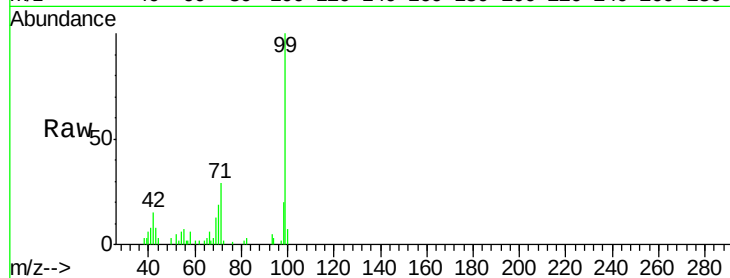
Tgt Ion: 94 Resp: 429

Ion Ratio Lower Upper

94 100

65 109.6 5.9 45.9#

66 232.4 14.0 54.0#



#19

n-Nitroso-di-n-propylamine

Concen: 15.72 ng

RT: 7.26 min Scan# 496

Delta R.T. 0.13 min

Lab File: BF088165.D

Acq: 19 Jun 2016 6:40

Tgt Ion: 70 Resp: 67349

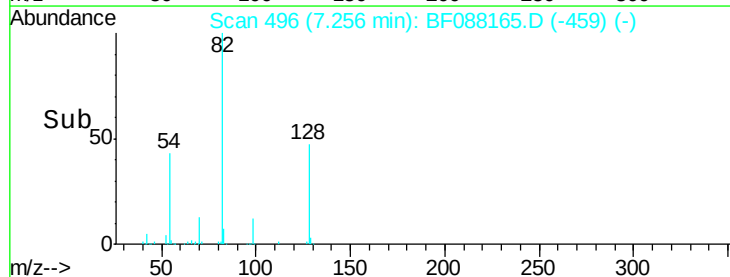
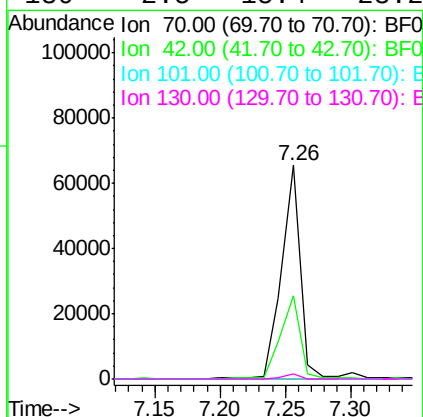
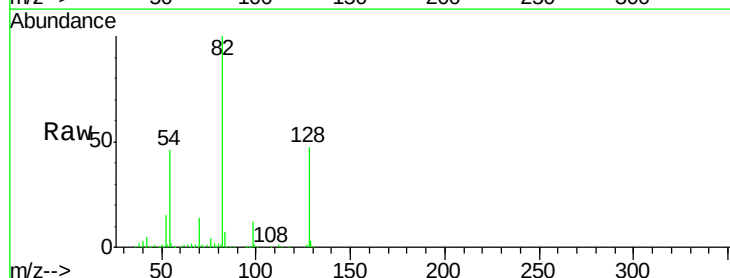
Ion Ratio Lower Upper

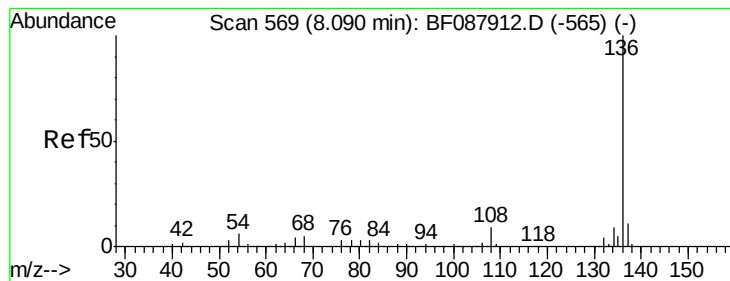
70 100

42 39.2 49.6 74.4#

101 0.0 7.1 10.7#

130 2.5 15.4 23.2#

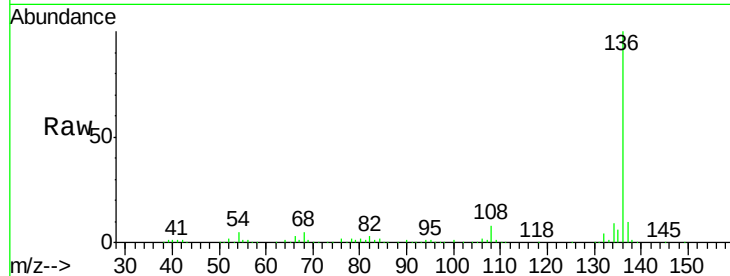




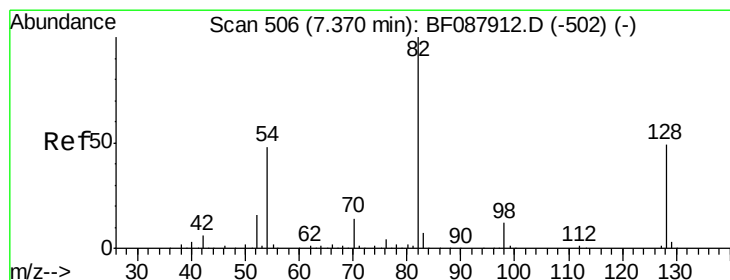
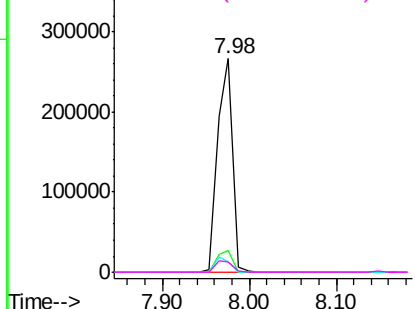
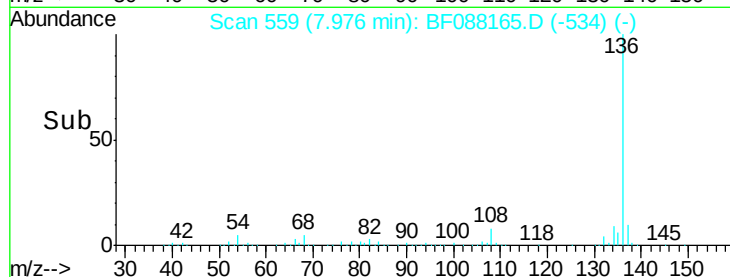
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF088165.D
Acq: 19 Jun 2016 6:40

Instrument :
BNA_F
ClientSampleId :
W-40

Tgt Ion:	136	Resp:	327334
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#

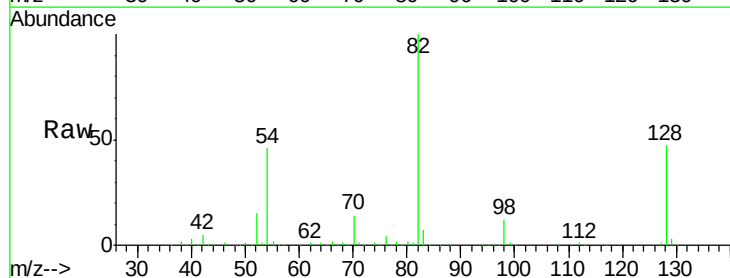


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

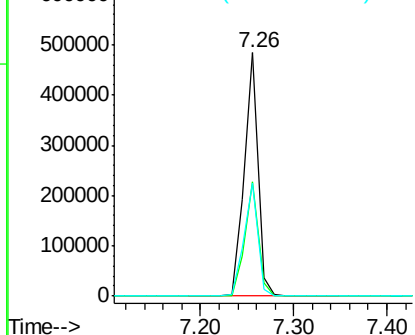
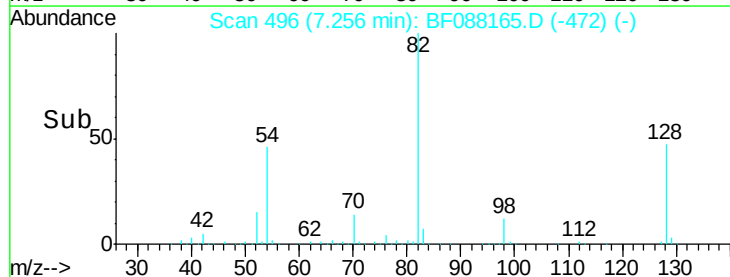


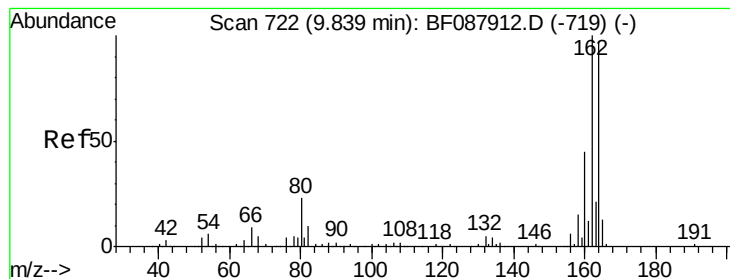
#23
Nitrobenzene-d5
Concen: 88.57 ng
RT: 7.26 min Scan# 496
Delta R.T. -0.02 min
Lab File: BF088165.D
Acq: 19 Jun 2016 6:40

Tgt Ion:	82	Resp:	496463
Ion	Ratio	Lower	Upper
82	100		
128	47.2	35.9	53.9
54	46.2	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: BF088165.D

Acq: 19 Jun 2016 6:40

Instrument :

BNA_F

ClientSampleId :

W-40

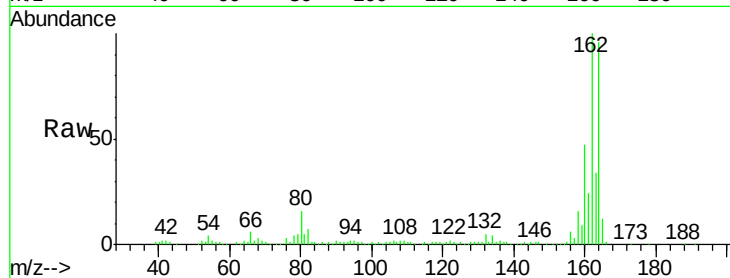
Tgt Ion:164 Resp: 132791

Ion Ratio Lower Upper

164 100

162 104.3 85.4 128.2

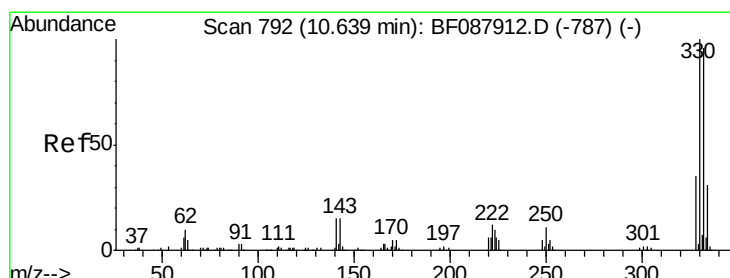
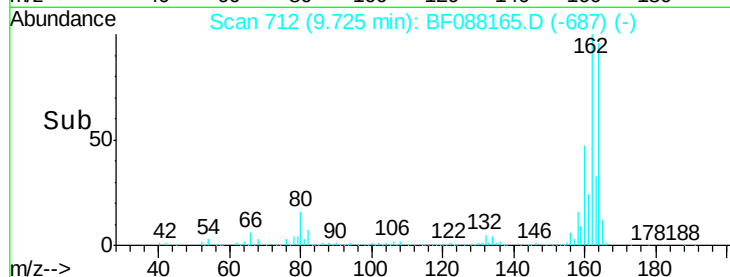
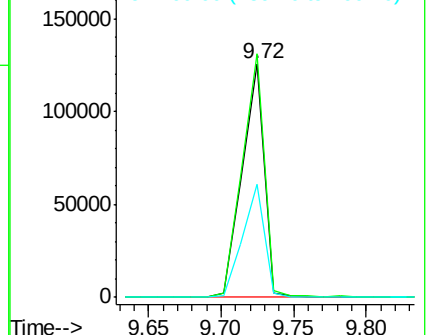
160 48.6 39.5 59.3



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: 103.77 ng

RT: 10.51 min Scan# 781

Delta R.T. -0.01 min

Lab File: BF088165.D

Acq: 19 Jun 2016 6:40

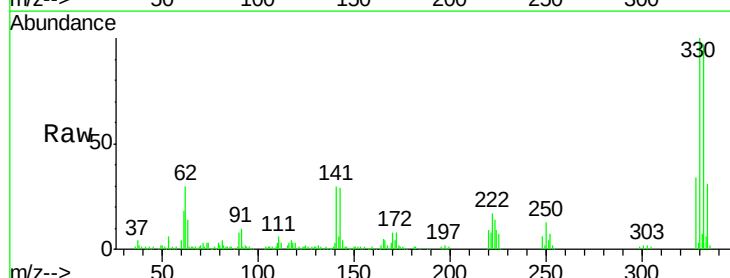
Tgt Ion:330 Resp: 145502

Ion Ratio Lower Upper

330 100

332 96.3 0.0 0.0#

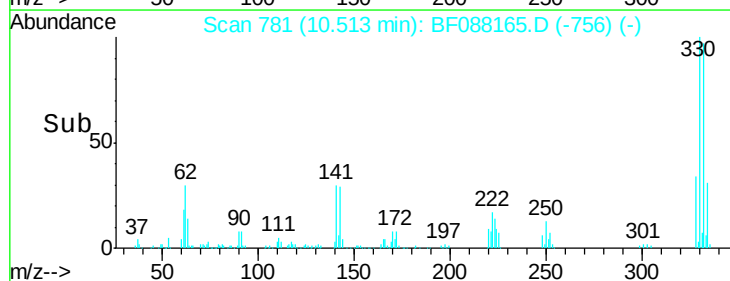
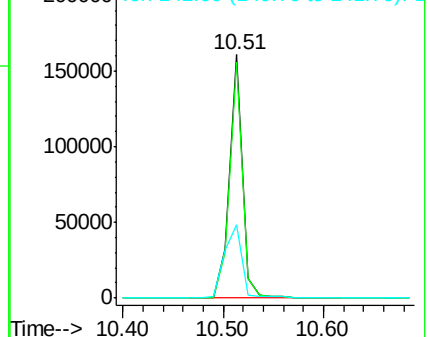
141 39.7 0.0 0.0#

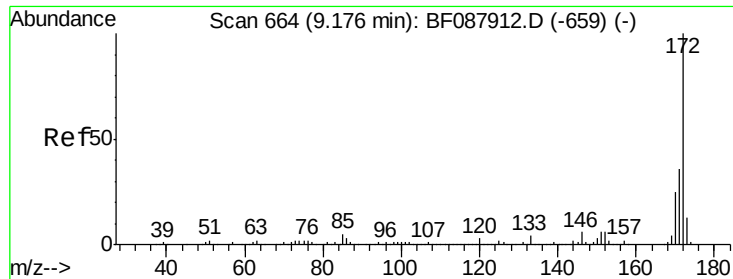


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

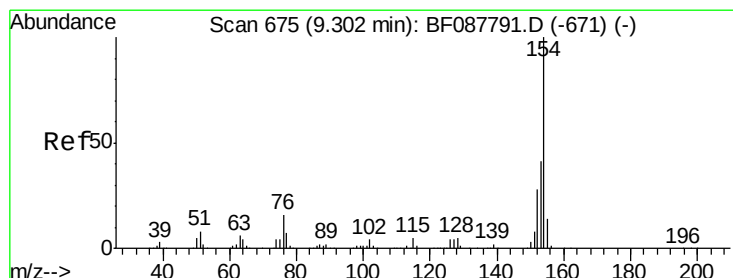
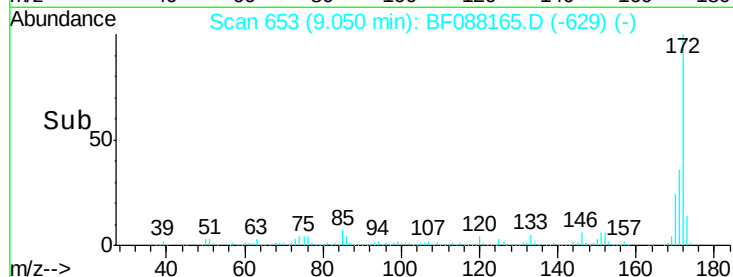
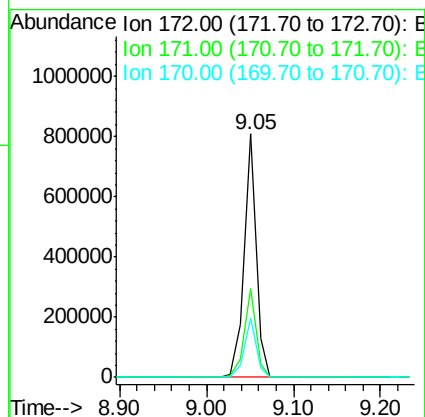
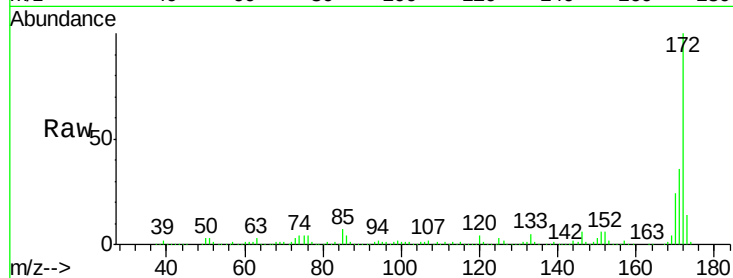




#44
 2-Fluorobiphenyl
 Concen: 92.60 ng
 RT: 9.05 min Scan# 653
 Delta R.T. -0.02 min
 Lab File: BF088165.D
 Acq: 19 Jun 2016 6:40

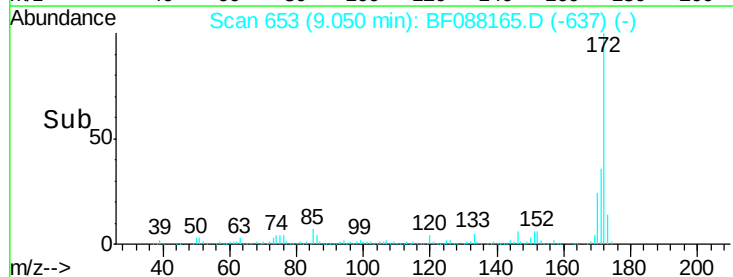
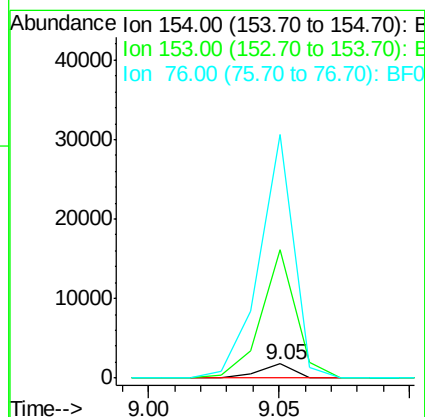
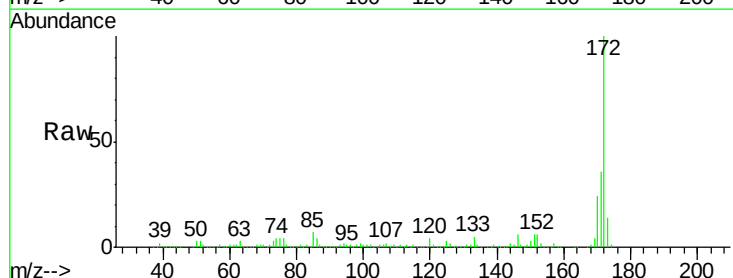
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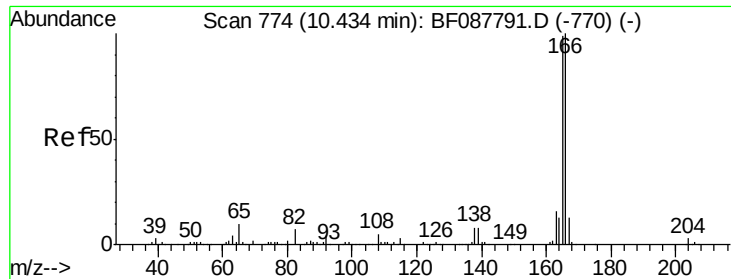
Tgt Ion:172 Resp: 778591
 Ion Ratio Lower Upper
 172 100
 171 36.4 28.6 43.0
 170 24.4 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.05 min Scan# 653
 Delta R.T. -0.11 min
 Lab File: BF088165.D
 Acq: 19 Jun 2016 6:40

Tgt Ion:154 Resp: 1605
 Ion Ratio Lower Upper
 154 100
 153 898.4 20.6 60.6#
 76 1697.1 0.0 35.1#

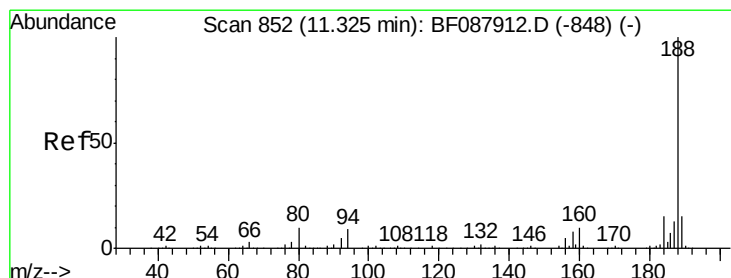
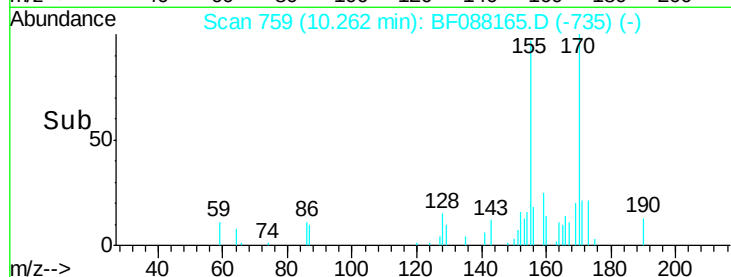
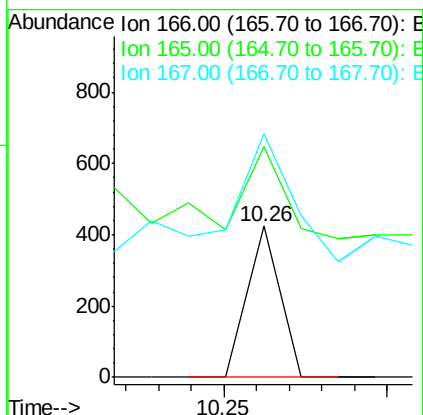
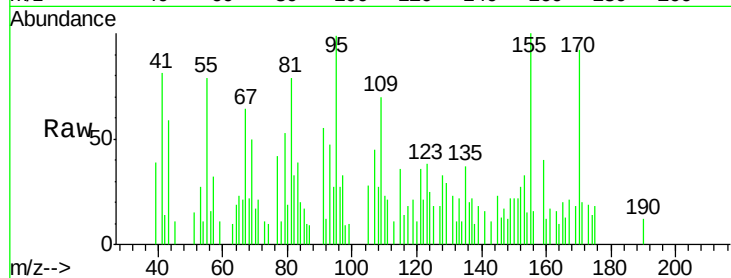




#57
 Fluorene
 Concen: Below Cal
 RT: 10.26 min Scan# 759
 Delta R.T. -0.02 min
 Lab File: BF088165.D
 Acq: 19 Jun 2016 6:40

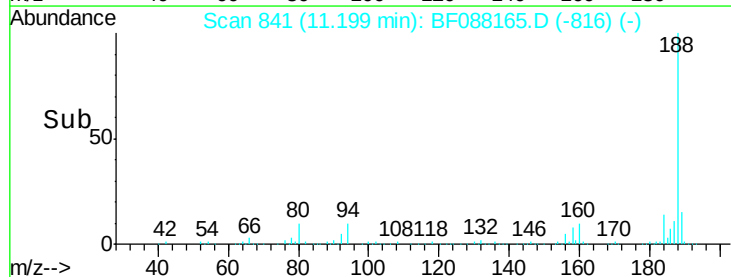
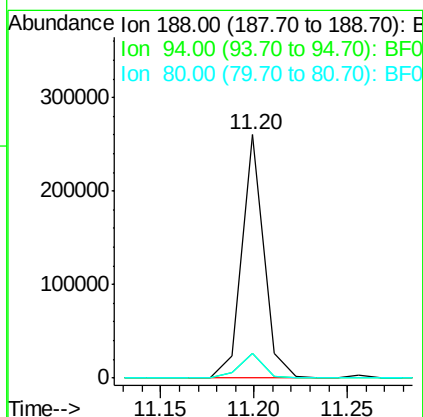
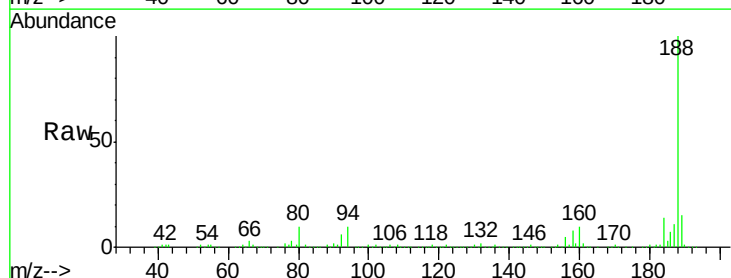
Instrument :
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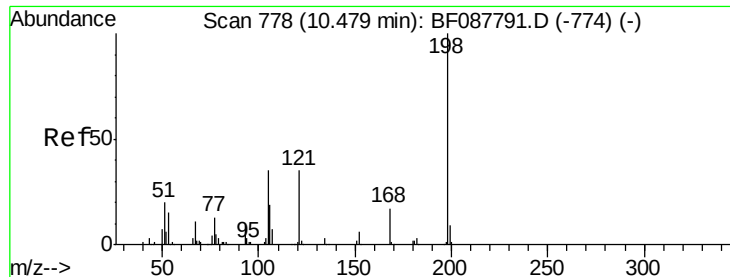
Tgt Ion:166 Resp: 291
 Ion Ratio Lower Upper
 166 100
 165 153.1 77.8 116.8#
 167 161.1 11.2 16.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 841
 Delta R.T. -0.01 min
 Lab File: BF088165.D
 Acq: 19 Jun 2016 6:40

Tgt Ion:188 Resp: 214775
 Ion Ratio Lower Upper
 188 100
 94 10.0 9.0 13.6
 80 10.0 10.0 15.0





#64

4,6-Dinitro-2-methylphenol

Concen: 2.37 ng

RT: 10.51 min Scan# 781

Delta R.T. 0.16 min

Lab File: BF088165.D

Acq: 19 Jun 2016 6:40

Instrument :

BNA_F

ClientSampleId :

W-40

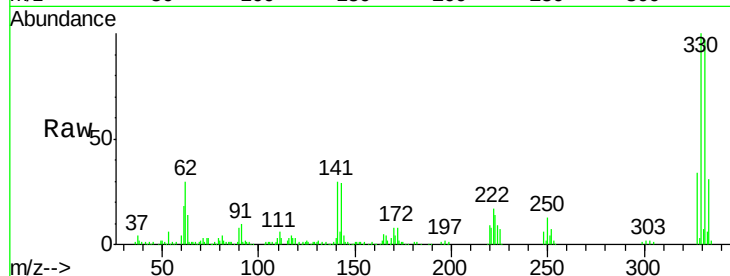
Tgt Ion:198 Resp: 287

Ion Ratio Lower Upper

198 100

51 209.6 39.6 79.6#

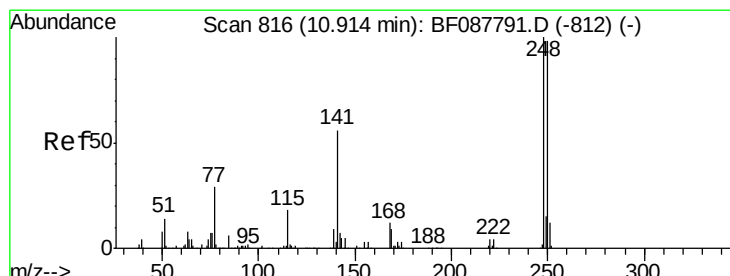
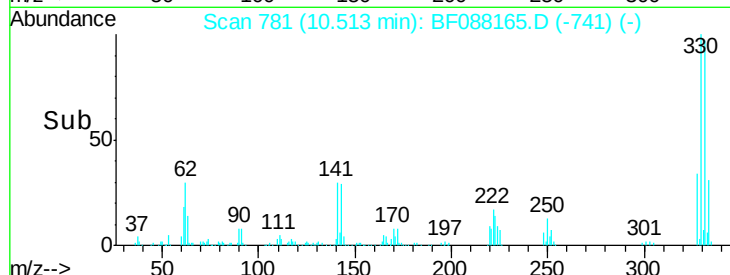
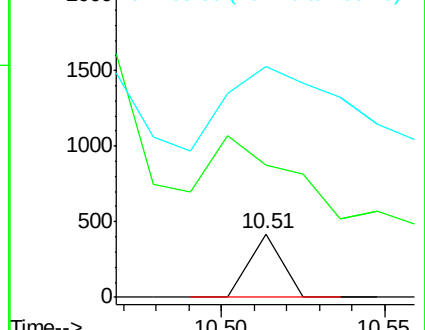
105 364.8 36.6 76.6#



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: 4.26 ng

RT: 10.51 min Scan# 781

Delta R.T. -0.25 min

Lab File: BF088165.D

Acq: 19 Jun 2016 6:40

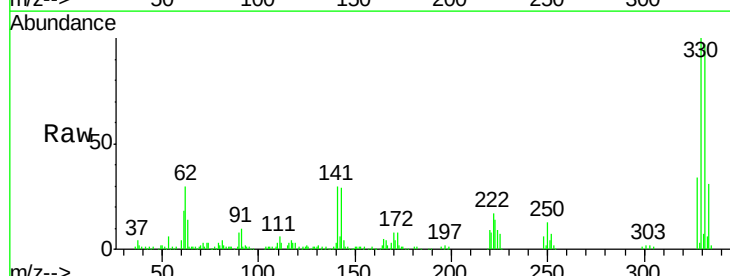
Tgt Ion:248 Resp: 9817

Ion Ratio Lower Upper

248 100

250 197.6 77.1 115.7#

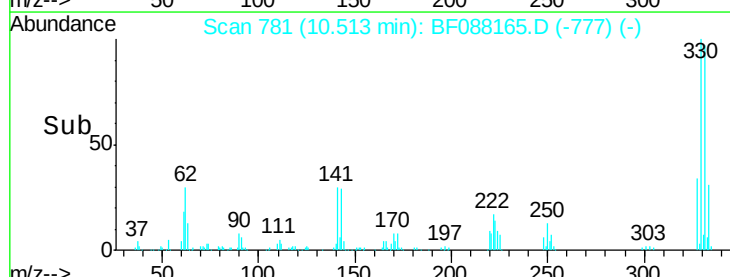
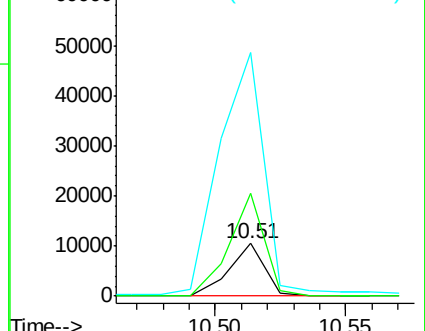
141 465.2 50.6 76.0#

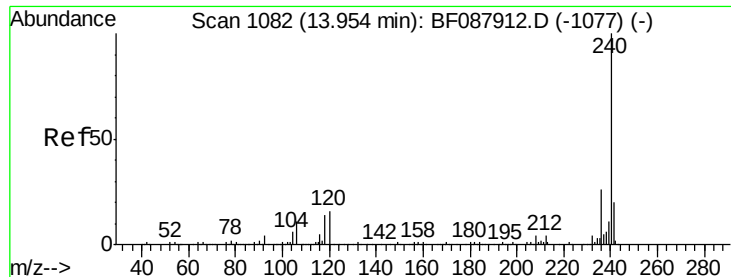


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF088165.D

Acq: 19 Jun 2016 6:40

Instrument :

BNA_F

ClientSampleId :

W-40

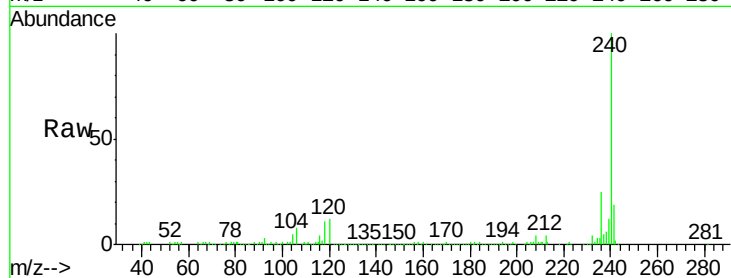
Tgt Ion:240 Resp: 175506

Ion Ratio Lower Upper

240 100

120 12.4 6.8 10.2#

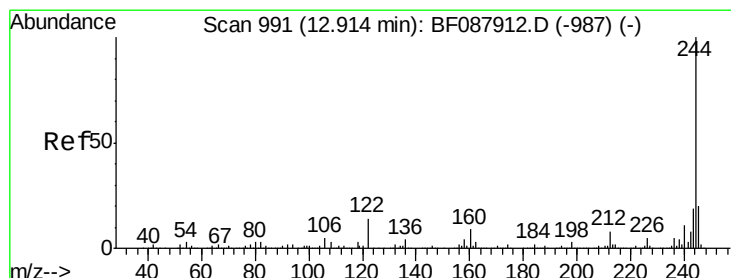
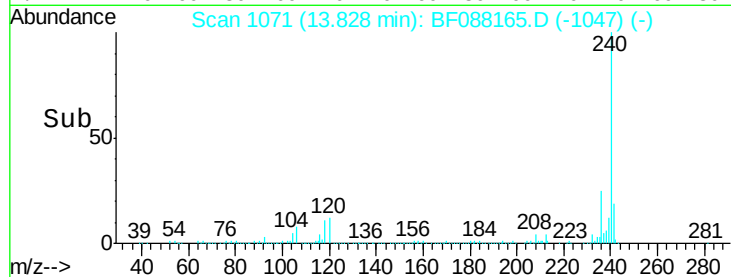
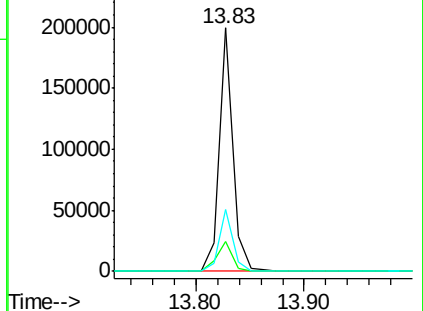
236 25.3 20.2 30.2



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: 83.15 ng

RT: 12.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF088165.D

Acq: 19 Jun 2016 6:40

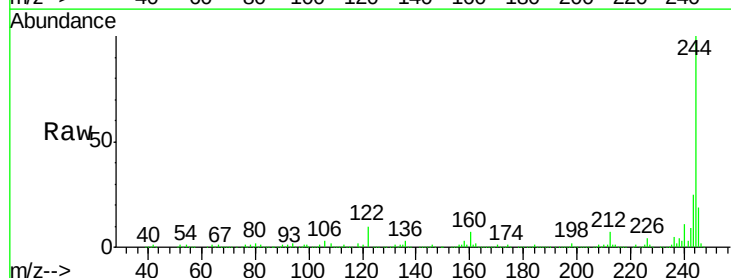
Tgt Ion:244 Resp: 641278

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

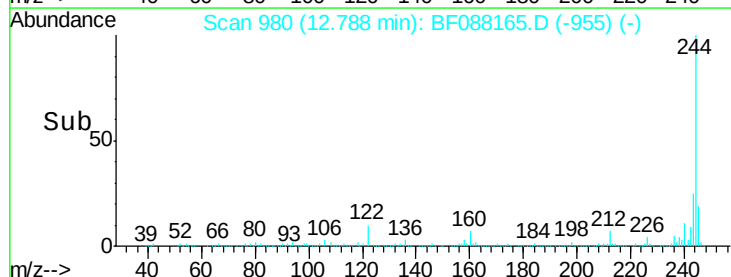
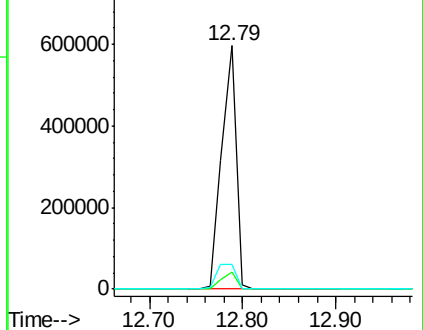
122 10.2 11.2 16.8#

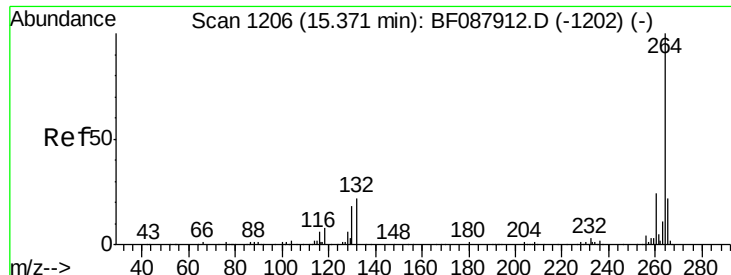


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.21 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BF088165.D
Acq: 19 Jun 2016 6:40

Instrument :
BNA_F
ClientSampleId :
W-40

Tgt Ion: 264 Resp: 134287
Ion Ratio Lower Upper
264 100
260 23.1 19.2 28.8
265 21.2 16.9 25.3

