

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
 Data File : BF088338.D
 Acq On : 24 Jun 2016 18:24
 Operator : UM/SJ
 Sample : H3676-04
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NCHC-011

Quant Time: Jun 25 03:39:33 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

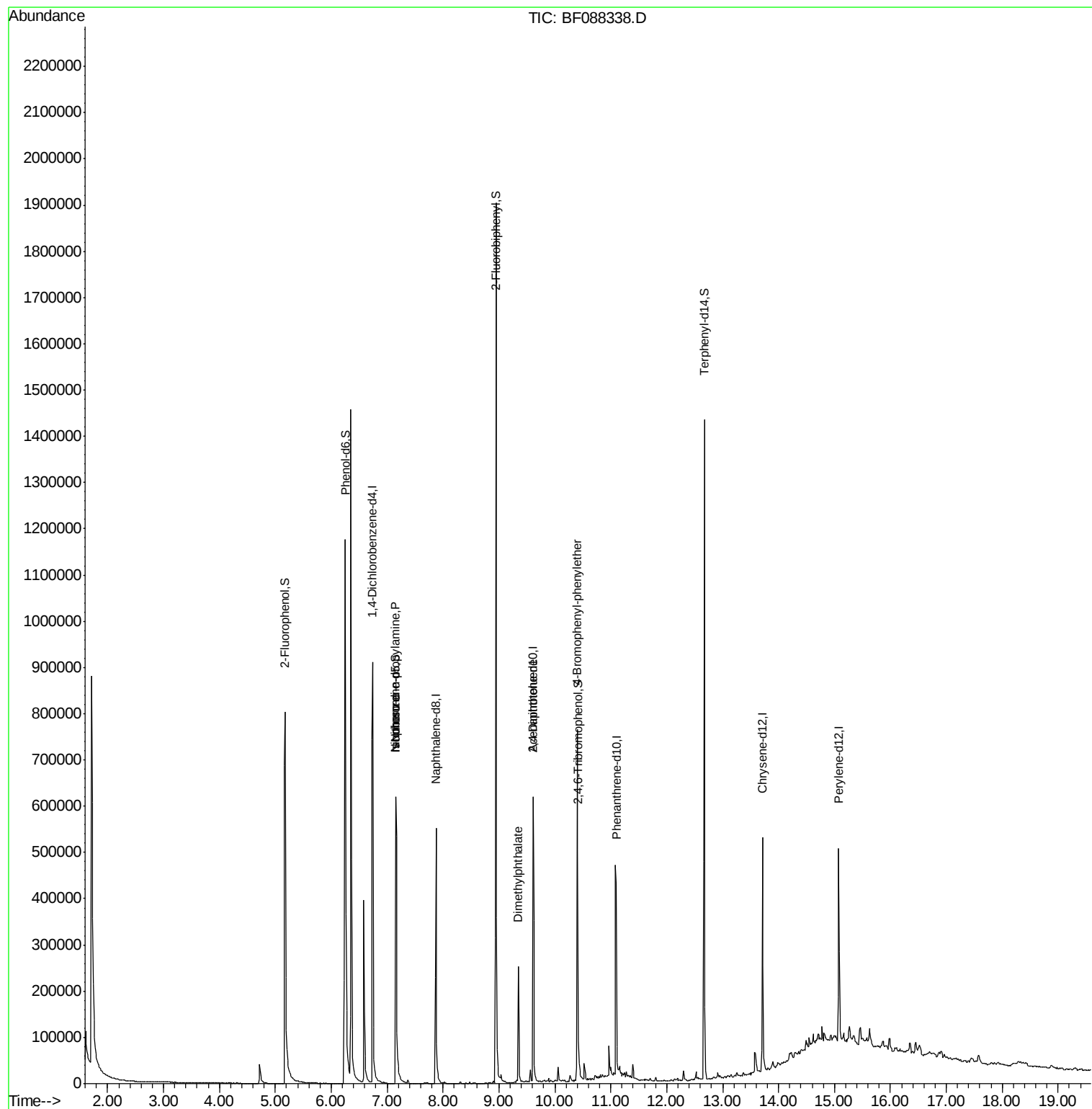
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	236920	20.00	ng	0.14
21) Naphthalene-d8	7.87	136	356971	20.00	ng	-0.02
38) Acenaphthene-d10	9.61	164	157412	20.00	ng	-0.03
63) Phenanthrene-d10	11.10	188	268742	20.00	ng	-0.02
75) Chrysene-d12	13.71	240	184691	20.00	ng	-0.03
86) Perylene-d12	15.07	264	179341	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	499505	36.04	ng	0.00
7) Phenol-d6	6.25	99	611632	36.42	ng	-0.01
23) Nitrobenzene-d5	7.15	82	365948	59.86	ng	-0.02
41) 2,4,6-Tribromophenol	10.41	330	129564	77.95	ng	-0.02
44) 2-Fluorobiphenyl	8.95	172	662139	64.76	ng	-0.02
78) Terphenyl-d14	12.67	244	469877	57.89	ng	-0.02
Target Compounds						
10) Phenol	6.35	94	1009	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.15	70	46472	4.33 ng	#	72
25) Isophorone	7.15	82	368093	32.51 ng	#	65
45) 1,1'-Biphenyl	8.95	154	937	Below Cal	#	1
49) Dimethylphthalate	9.35	163	118732	10.41 ng		99
56) 2,4-Dinitrotoluene	9.61	165	19704	5.87 ng	#	36
57) Fluorene	10.17	166	479	Below Cal	#	88
66) 4-Bromophenyl-phenylether	10.40	248	8060	2.80 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: 6.74 min Scan# 451

Delta R.T. 0.14 min

Lab File: BF088338.D

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NCHC-011

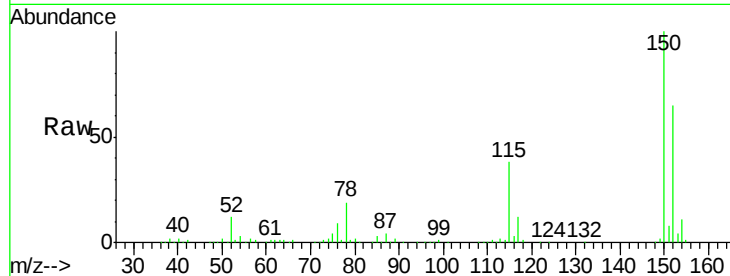
Tgt Ion:152 Resp: 236920

Ion Ratio Lower Upper

152 100

150 153.6 123.8 185.6

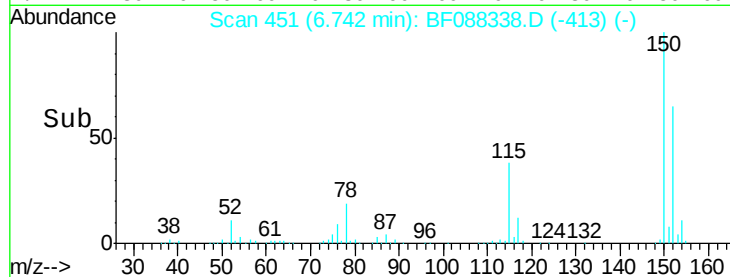
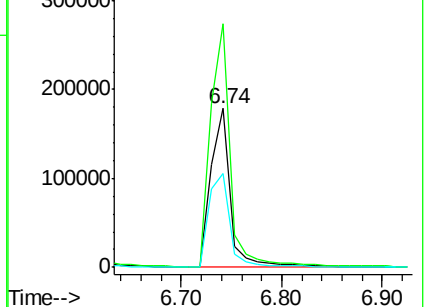
115 59.0 39.6 59.4



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: 36.04 ng

RT: 5.18 min Scan# 314

Delta R.T. 0.00 min

Lab File: BF088338.D

Acq: 24 Jun 2016 18:24

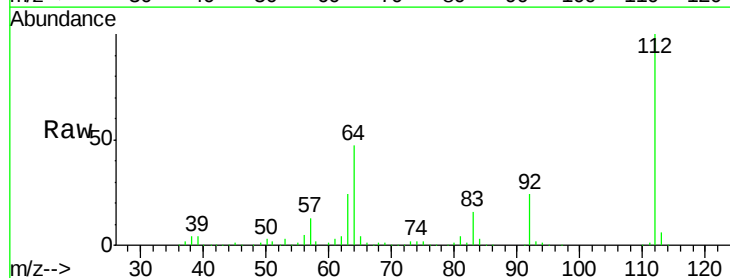
Tgt Ion:112 Resp: 499505

Ion Ratio Lower Upper

112 100

64 46.5 42.2 63.2

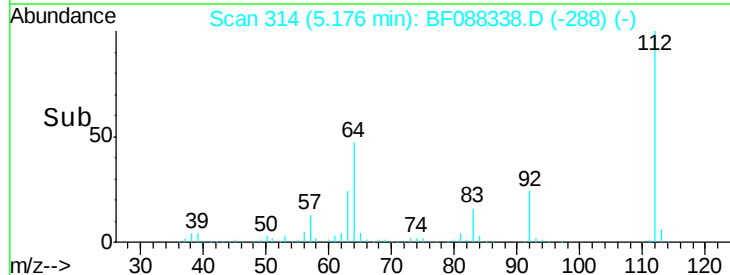
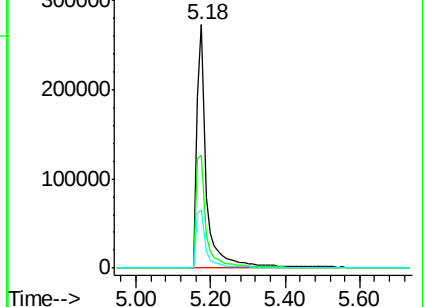
63 23.9 21.8 32.8



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: 36.42 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.01 min

Lab File: BF088338.D

Acq: 24 Jun 2016 18:24

Instrument :

BNA_F

ClientSampleId :

NCHC-011

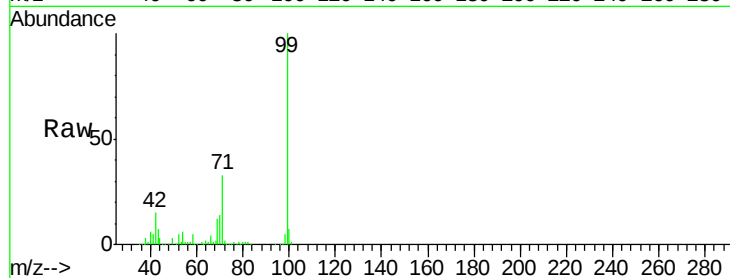
Tgt Ion: 99 Resp: 611632

Ion Ratio Lower Upper

99 100

42 14.8 12.2 18.2

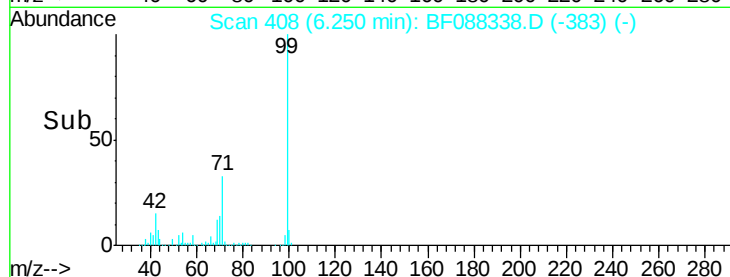
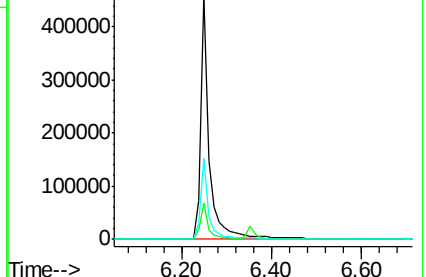
71 33.4 23.4 35.0



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



#10

Phenol

Concen: Below Cal

RT: 6.35 min Scan# 417

Delta R.T. 0.08 min

Lab File: BF088338.D

Acq: 24 Jun 2016 18:24

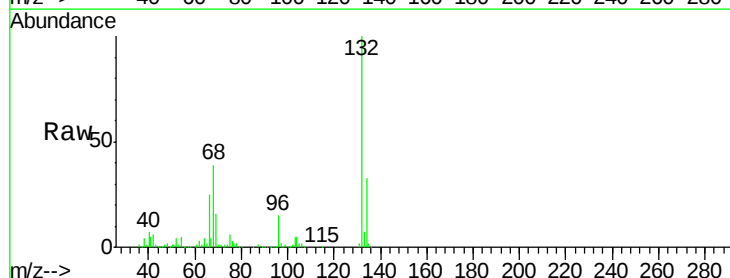
Tgt Ion: 94 Resp: 1009

Ion Ratio Lower Upper

94 100

65 871.6 5.9 45.9#

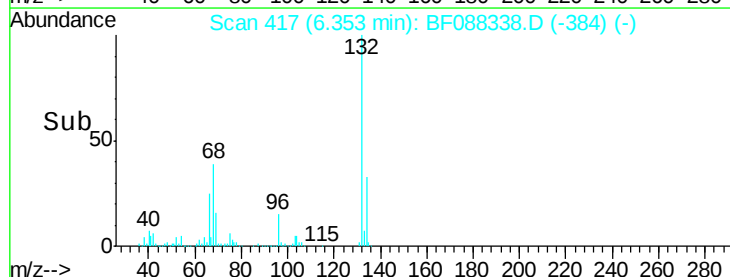
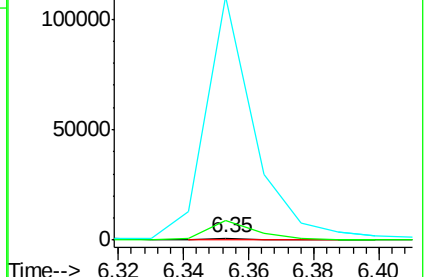
66 10966.5 14.0 54.0#



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

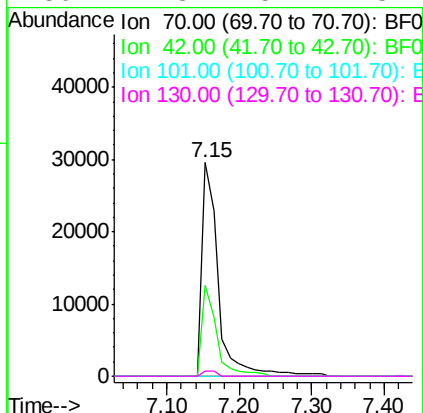
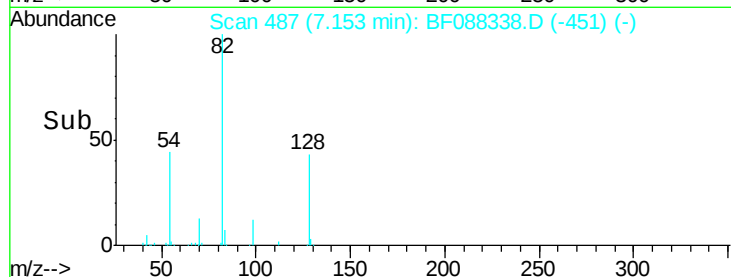
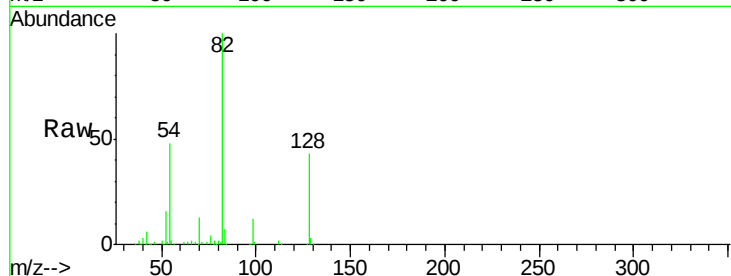




#19
n-Nitroso-di-n-propylamine
Concen: 4.33 ng
RT: 7.15 min Scan# 487
Delta R.T. 0.11 min
Lab File: BF088338.D
Acq: 24 Jun 2016 18:24

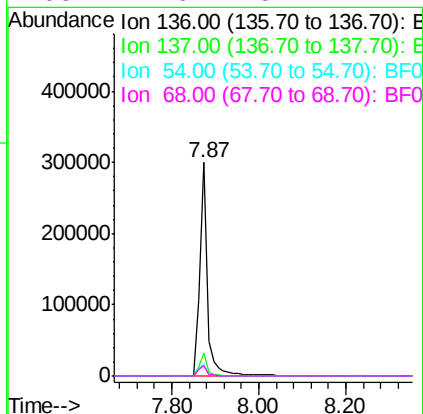
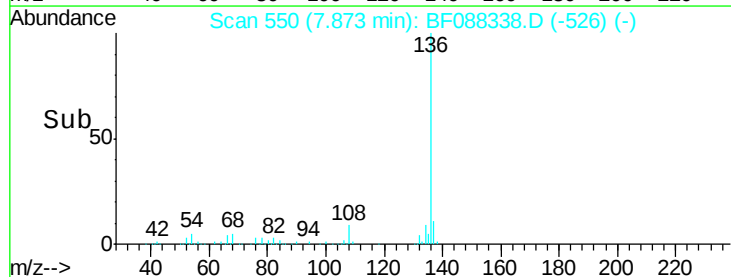
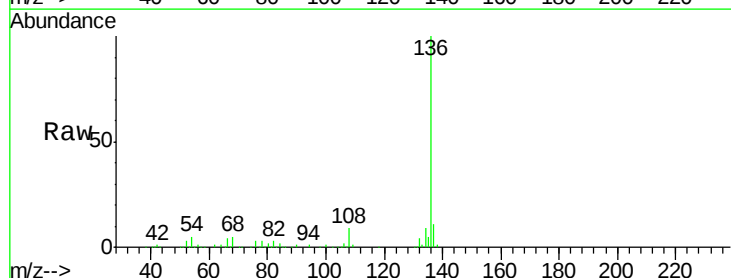
Instrument :
BNA_F
ClientSampleId :
NCHC-011

Tgt Ion: 70 Resp: 46472
Ion Ratio Lower Upper
70 100
42 42.6 49.6 74.4#
101 0.0 7.1 10.7#
130 2.3 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.87 min Scan# 550
Delta R.T. -0.02 min
Lab File: BF088338.D
Acq: 24 Jun 2016 18:24

Tgt Ion: 136 Resp: 356971
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#

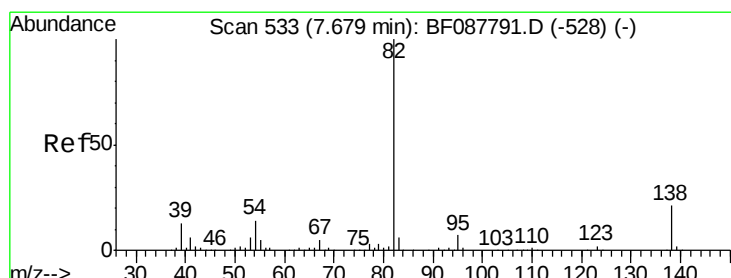
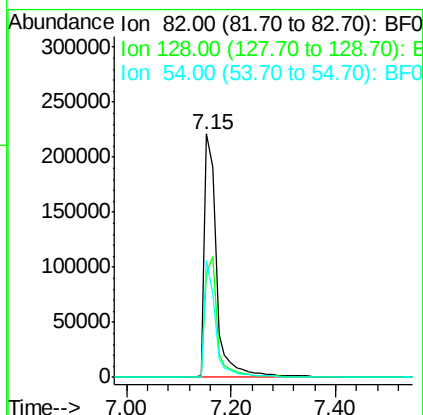
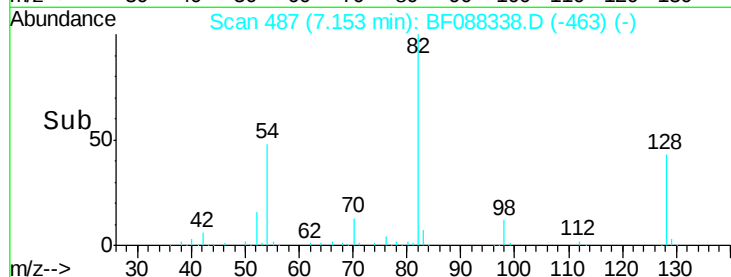
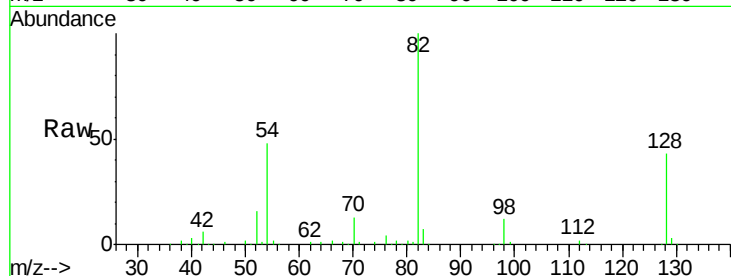




#23
Nitrobenzene-d5
Concen: 59.86 ng
RT: 7.15 min Scan# 487
Delta R.T. -0.02 min
Lab File: BF088338.D
Acq: 24 Jun 2016 18:24

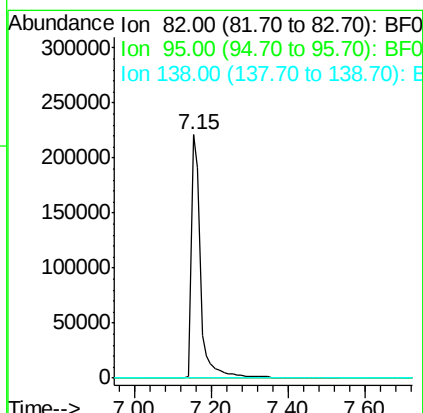
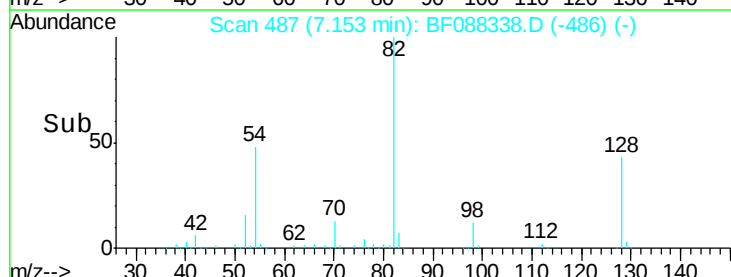
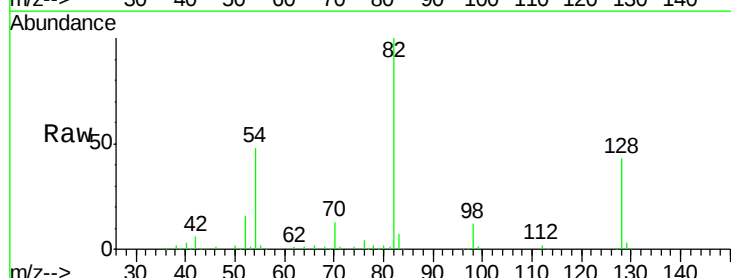
Instrument :
BNA_F
ClientSampleId :
NCHC-011

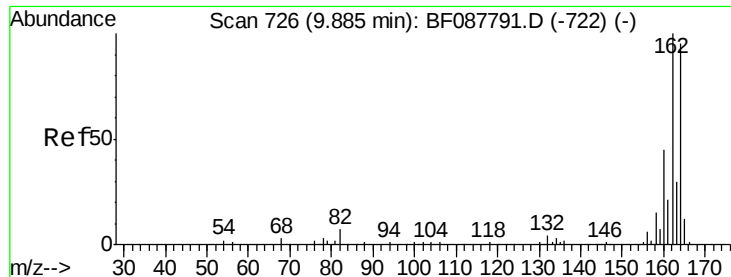
Tgt Ion: 82 Resp: 365948
Ion Ratio Lower Upper
82 100
128 42.7 35.9 53.9
54 48.0 40.9 61.3



#25
Isophorone
Concen: 32.51 ng
RT: 7.15 min Scan# 487
Delta R.T. -0.29 min
Lab File: BF088338.D
Acq: 24 Jun 2016 18:24

Tgt Ion: 82 Resp: 368093
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 14.6 21.8#

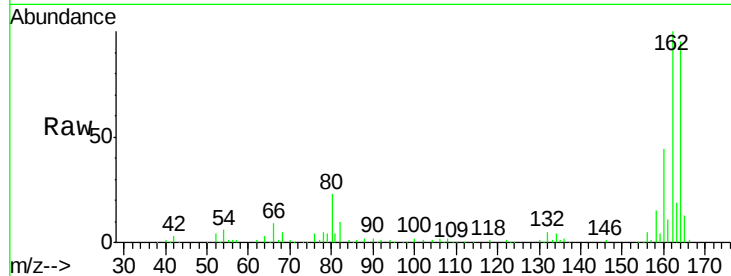




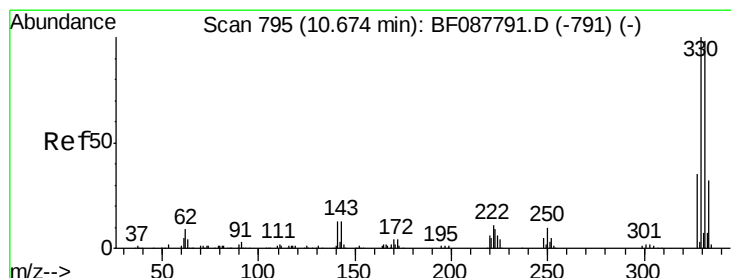
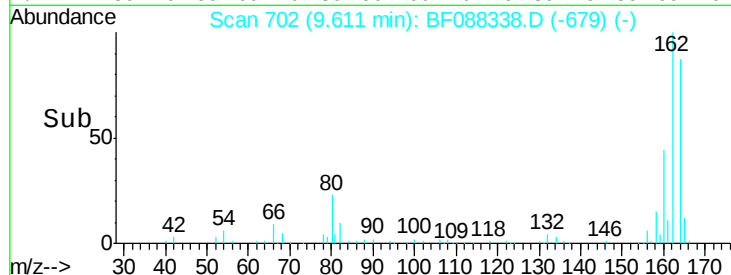
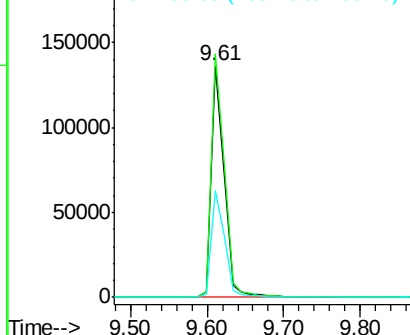
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.61 min Scan# 702
 Delta R.T. -0.03 min
 Lab File: BF088338.D
 Acq: 24 Jun 2016 18:24

Instrument :
 BNA_F
 ClientSampleId :
 NCHC-011

Tgt Ion:164 Resp: 157412
 Ion Ratio Lower Upper
 164 100
 162 105.4 85.4 128.2
 160 46.4 39.5 59.3

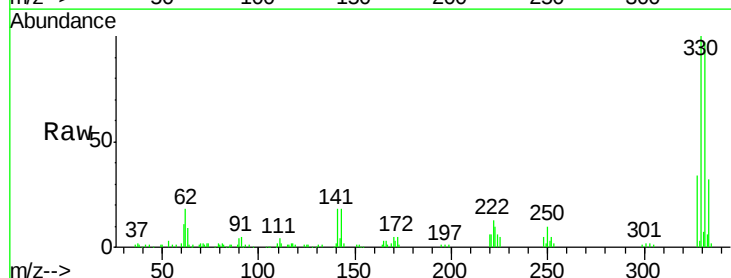


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

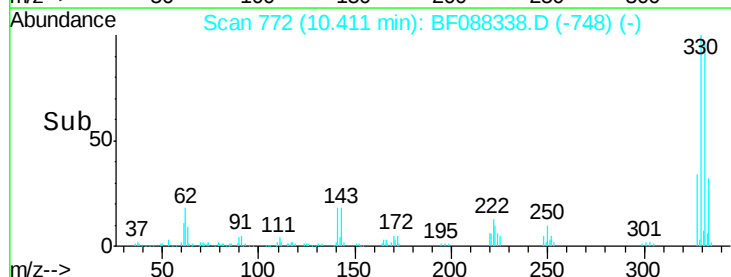
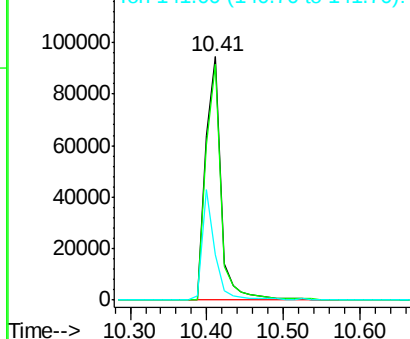


#41
 2,4,6-Tribromophenol
 Concen: 77.95 ng
 RT: 10.41 min Scan# 772
 Delta R.T. -0.02 min
 Lab File: BF088338.D
 Acq: 24 Jun 2016 18:24

Tgt Ion:330 Resp: 129564
 Ion Ratio Lower Upper
 330 100
 332 95.9 0.0 0.0#
 141 37.9 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

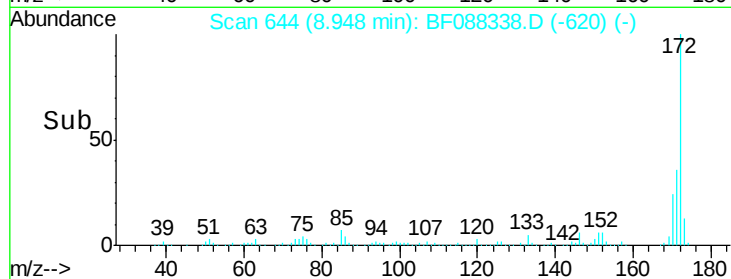
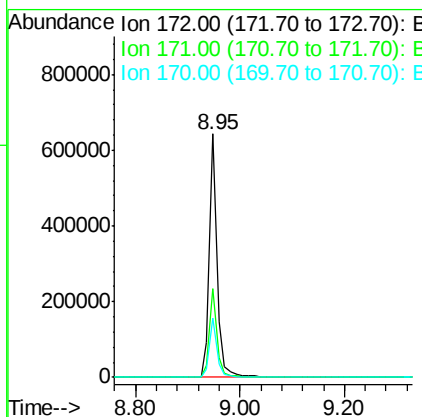
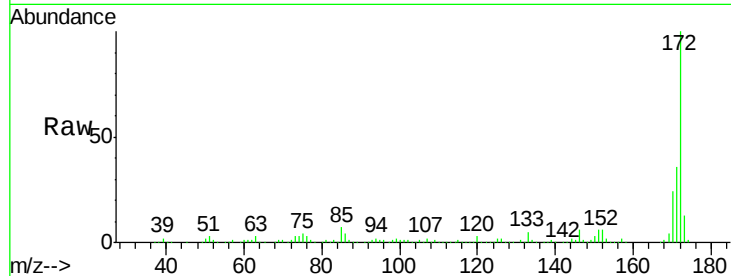




#44
 2-Fluorobiphenyl
 Concen: 64.76 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.02 min
 Lab File: BF088338.D
 Acq: 24 Jun 2016 18:24

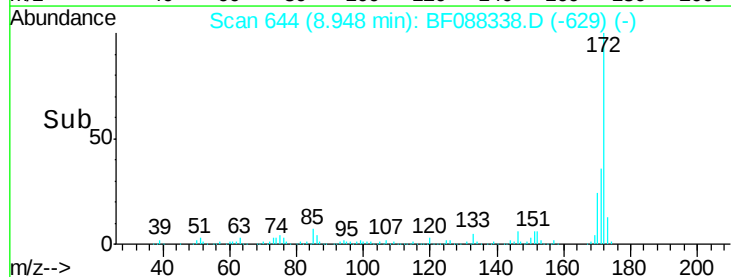
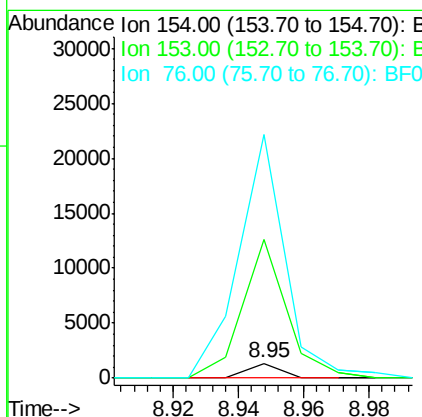
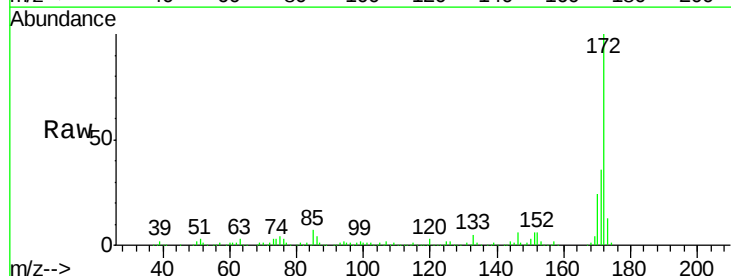
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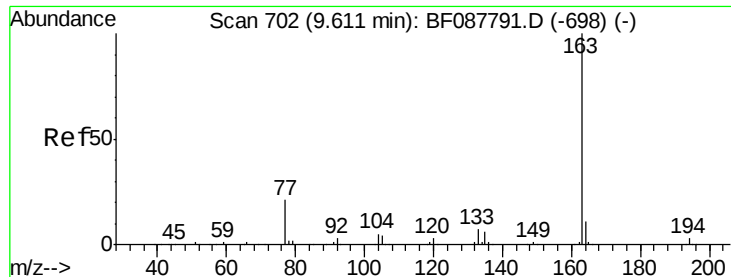
Tgt Ion:172 Resp: 662139
 Ion Ratio Lower Upper
 172 100
 171 36.3 28.6 43.0
 170 24.1 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 8.95 min Scan# 644
 Delta R.T. -0.13 min
 Lab File: BF088338.D
 Acq: 24 Jun 2016 18:24

Tgt Ion:154 Resp: 937
 Ion Ratio Lower Upper
 154 100
 153 926.4 20.6 60.6#
 76 1621.7 0.0 35.1#





#49

Dimethylphthalate

Concen: 10.41 ng

RT: 9.35 min Scan# 679

Delta R.T. -0.03 min

Lab File: BF088338.D

Acq: 24 Jun 2016 18:24

Instrument :

BNA_F

ClientSampleId :

NCHC-011

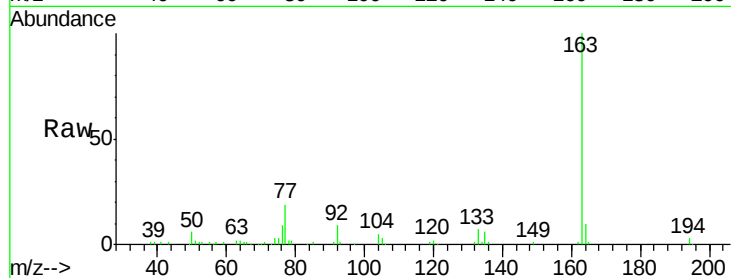
Tgt Ion:163 Resp: 118732

Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

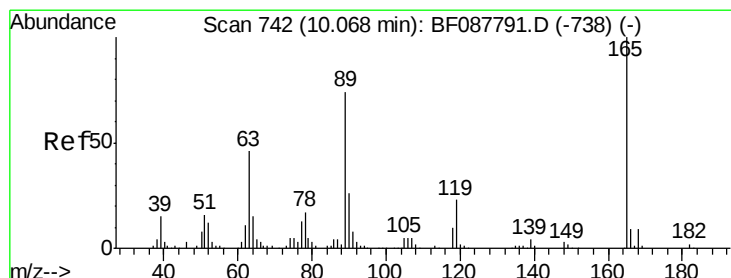
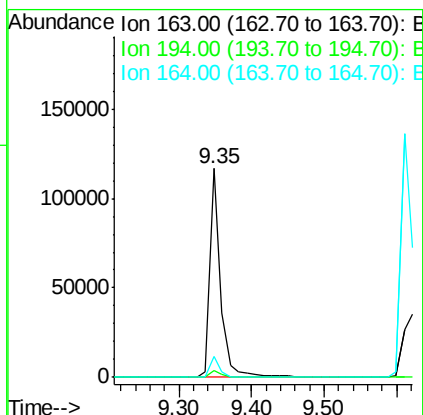
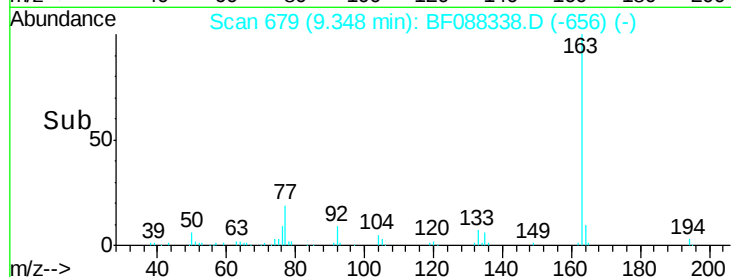
164 10.2 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 5.87 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.24 min

Lab File: BF088338.D

Acq: 24 Jun 2016 18:24

Tgt Ion:165 Resp: 19704

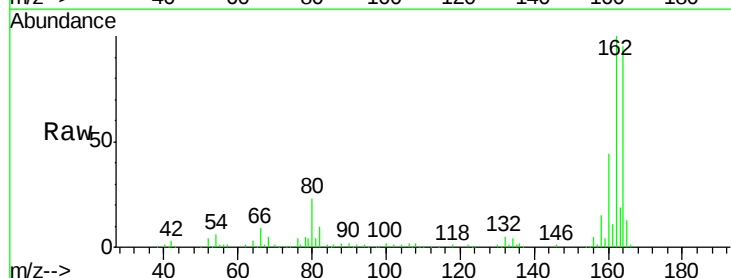
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

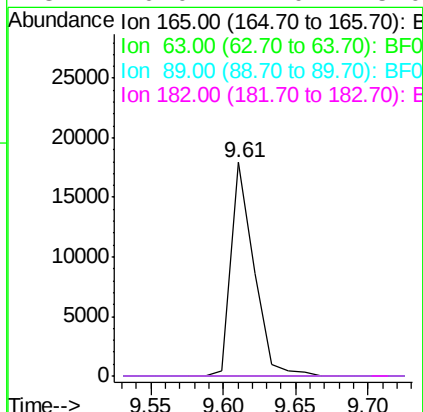
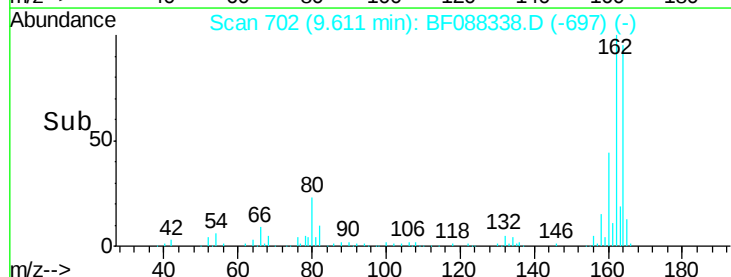


Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.17 min Scan# 751

Delta R.T. -0.02 min

Lab File: BF088338.D

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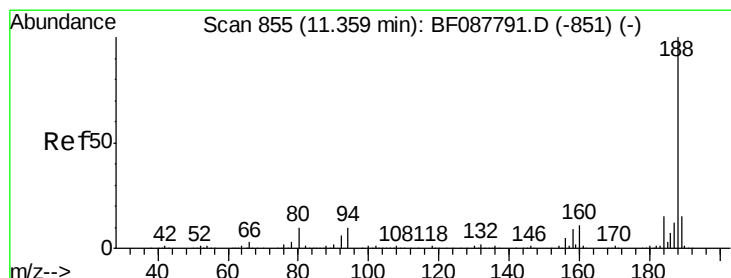
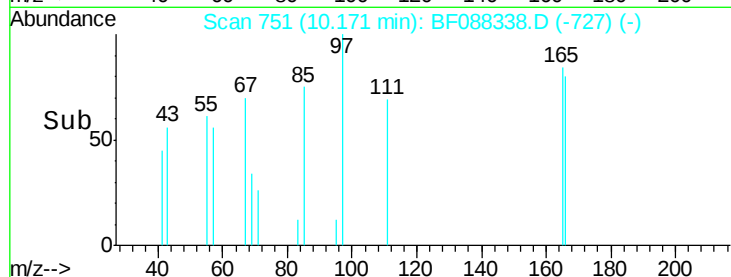
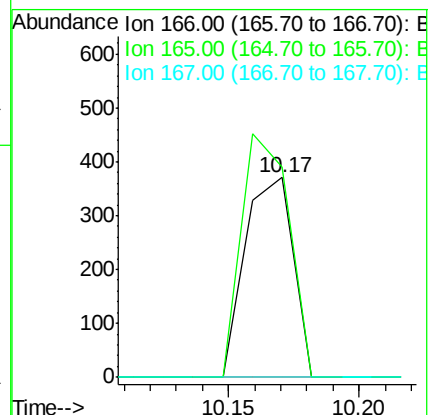
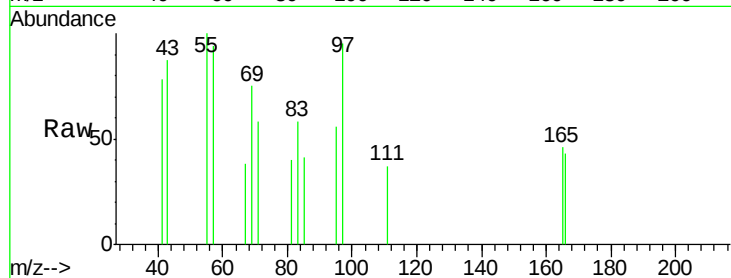
Tgt Ion:166 Resp: 479

Ion Ratio Lower Upper

166 100

165 105.4 77.8 116.8

167 0.0 11.2 16.8#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.10 min Scan# 832

Delta R.T. -0.02 min

Lab File: BF088338.D

Acq: 24 Jun 2016 18:24

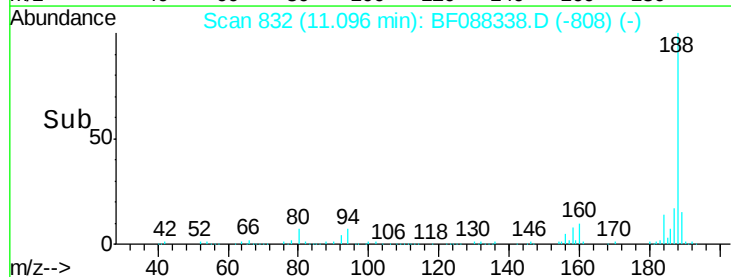
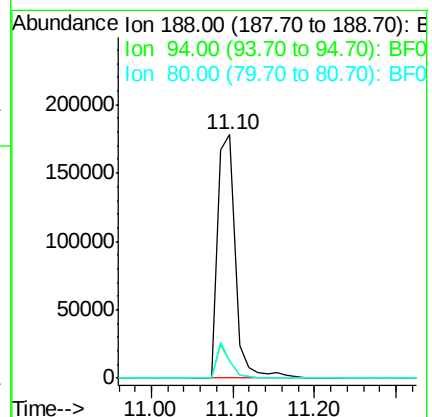
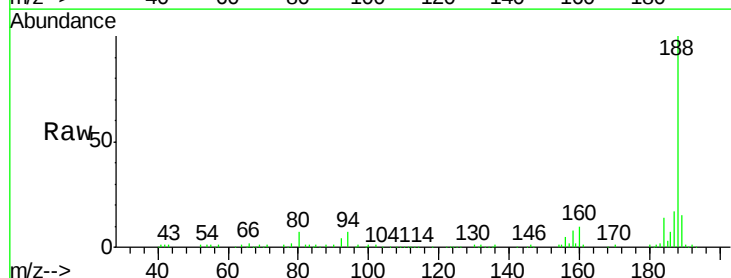
Tgt Ion:188 Resp: 268742

Ion Ratio Lower Upper

188 100

94 7.1 9.0 13.6#

80 7.2 10.0 15.0#

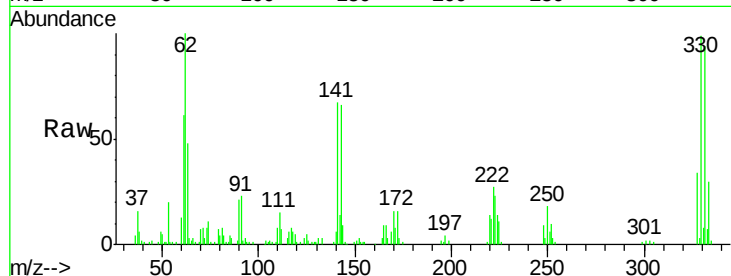




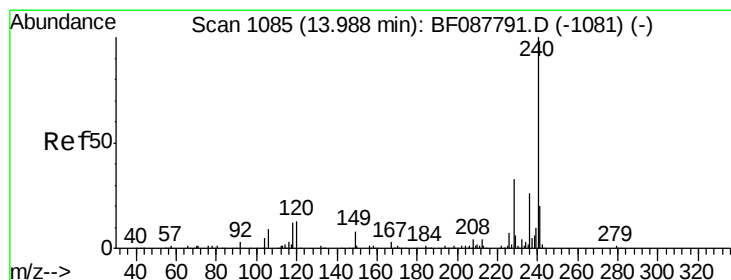
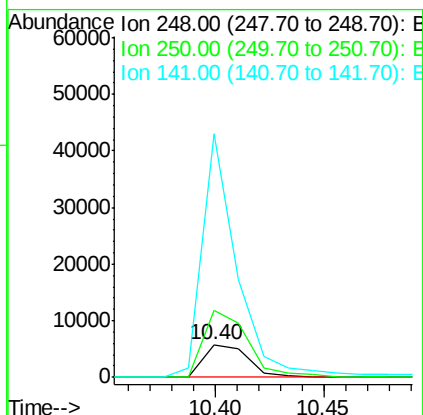
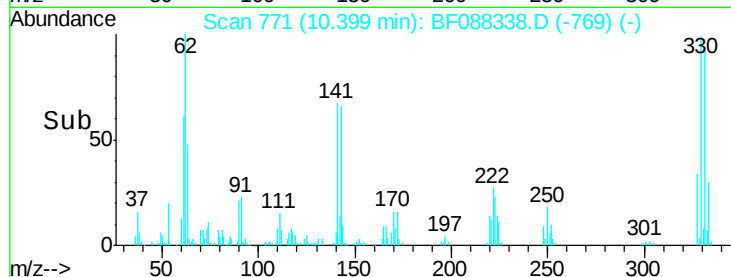
#66
 4-Bromophenyl-phenylether
 Concen: 2.80 ng
 RT: 10.40 min Scan# 771
 Delta R.T. -0.27 min
 Lab File: BF088338.D
 Acq: 24 Jun 2016 18:24

Instrument :
 BNA_F
 ClientSampleId :
 NCHC-011

Tgt Ion:248 Resp: 8060
 Ion Ratio Lower Upper
 248 100
 250 203.6 77.1 115.7#
 141 747.1 50.6 76.0#

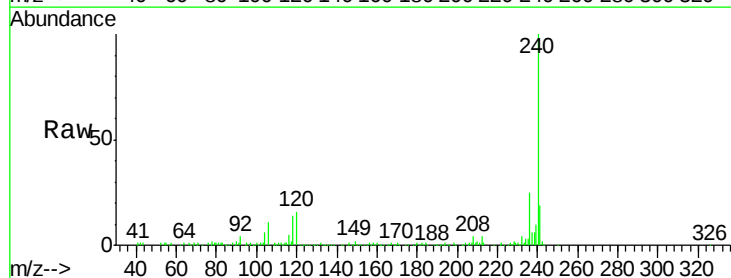


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

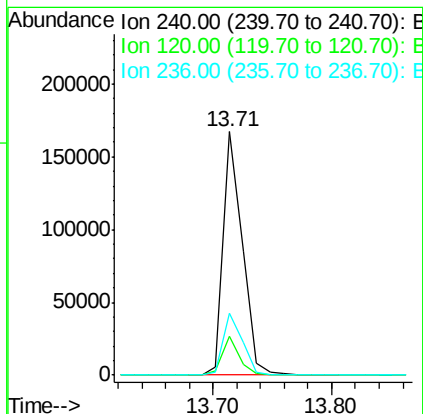
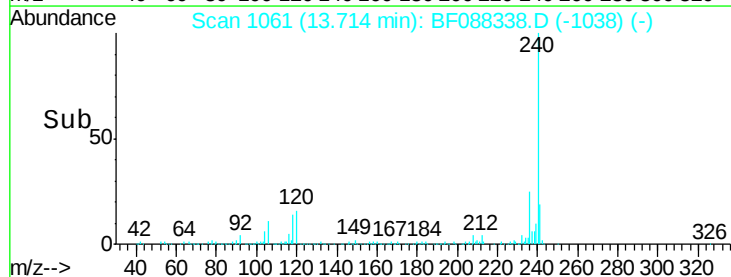


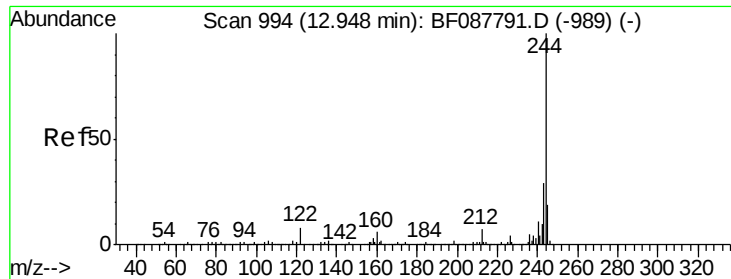
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.71 min Scan# 1061
 Delta R.T. -0.03 min
 Lab File: BF088338.D
 Acq: 24 Jun 2016 18:24

Tgt Ion:240 Resp: 184691
 Ion Ratio Lower Upper
 240 100
 120 15.7 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: 57.89 ng

RT: 12.67 min Scan# 970

Delta R.T. -0.02 min

Lab File: BF088338.D

Acq: 24 Jun 2016 18:24

Instrument :

BNA_F

ClientSampleId :

NCHC-011

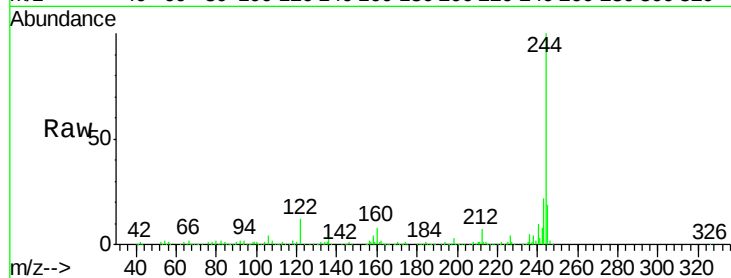
Tgt Ion:244 Resp: 469877

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

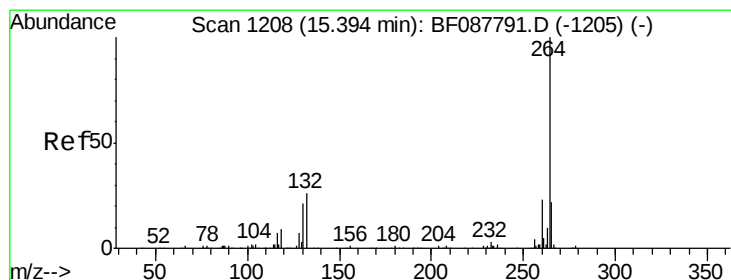
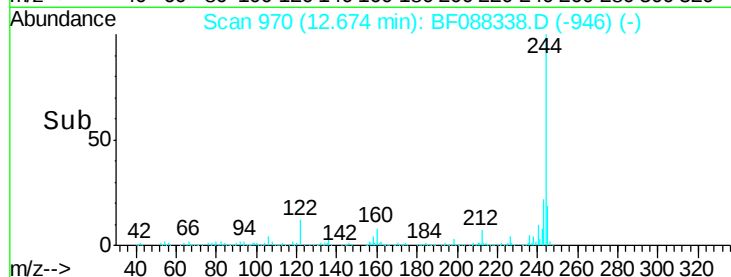
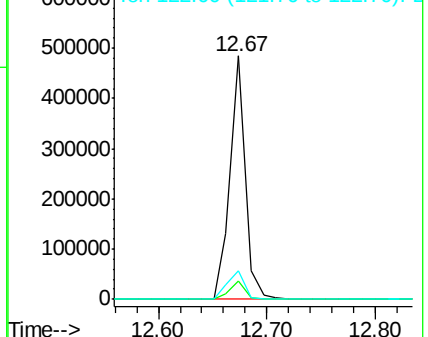
122 12.0 11.2 16.8



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: 15.07 min Scan# 1180

Delta R.T. -0.03 min

Lab File: BF088338.D

Acq: 24 Jun 2016 18:24

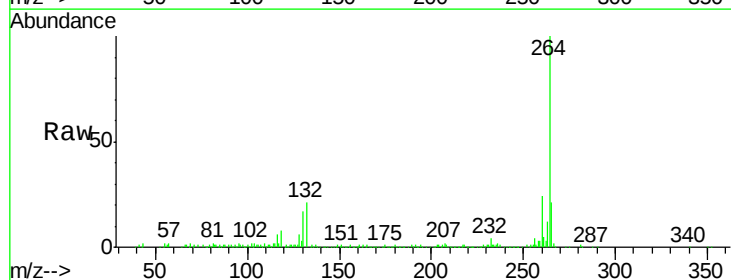
Tgt Ion:264 Resp: 179341

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 21.2 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

