

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062516\
 Data File : BF088371.D
 Acq On : 25 Jun 2016 12:24
 Operator : UM/SJ
 Sample : H3602-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P8-B5(0-16)C

Quant Time: Jun 26 01:55:58 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	6.56	152	84991	20.00	ng	-0.05
21) Naphthalene-d8	7.85	136	343166	20.00	ng	-0.05
38) Acenaphthene-d10	9.59	164	159196	20.00	ng	-0.06
63) Phenanthrene-d10	11.06	188	292484	20.00	ng	-0.06
75) Chrysene-d12	13.69	240	183312	20.00	ng	-0.06
86) Perylene-d12	15.05	264	167529	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.15	112	684165	137.62	ng	-0.02
7) Phenol-d6	6.23	99	839755	139.38	ng	-0.03
23) Nitrobenzene-d5	7.14	82	549888	93.57	ng	-0.03
41) 2,4,6-Tribromophenol	10.39	330	202299	120.35	ng	-0.05
44) 2-Fluorobiphenyl	8.92	172	803620	78.90	ng	-0.05
78) Terphenyl-d14	12.65	244	586771	72.84	ng	-0.05

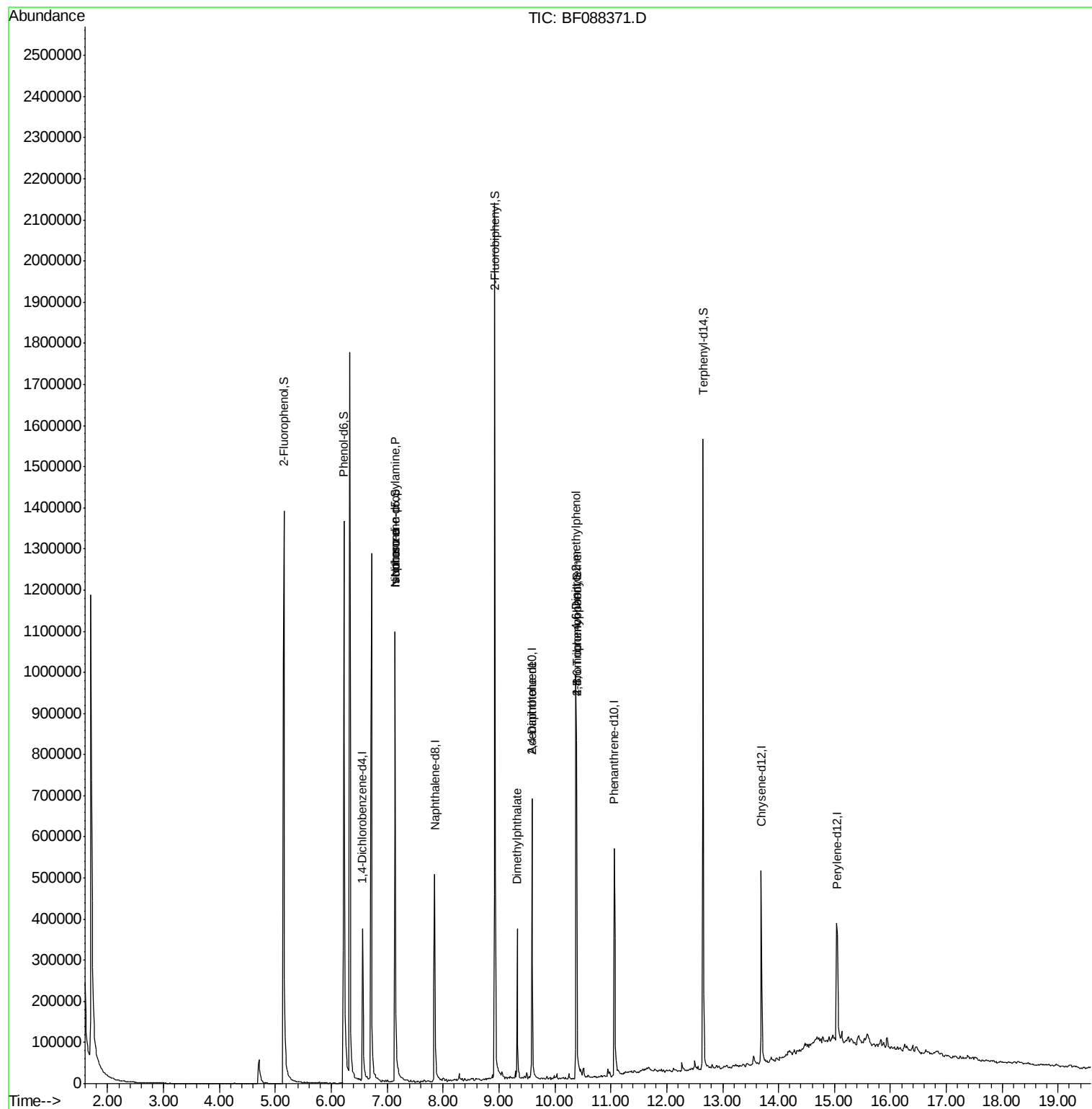
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.24	94	4039	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.14	70	71455	18.54	ng	68
25) Isophorone	7.14	82	536098	49.25	ng	65
45) 1,1'-Biphenyl	8.92	154	1261	Below Cal	#	1
49) Dimethylphthalate	9.32	163	161417	14.00	ng	99
56) 2,4-Dinitrotoluene	9.59	165	20359	6.00	ng	36
57) Fluorene	10.15	166	252	Below Cal	#	69
64) 4,6-Dinitro-2-methylphenol	10.38	198	217	2.28	ng	1
66) 4-Bromophenyl-phenylether	10.39	248	11899	3.79	ng	1

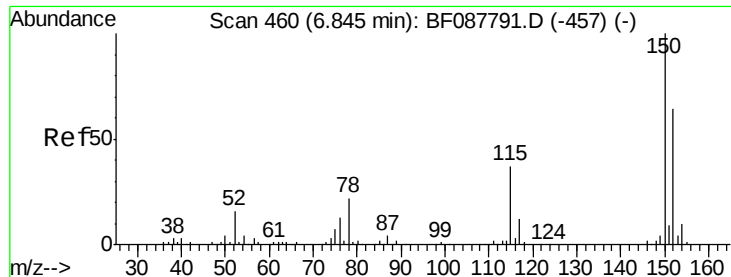
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.56 min Scan# 435

Delta R.T. -0.05 min

Lab File: BF088371.D

Acq: 25 Jun 2016 12:24

Instrument :

BNA_F

ClientSampleId :

P8-B5(0-16)C

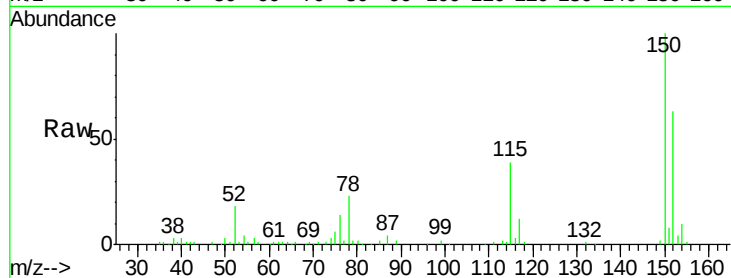
Tgt Ion:152 Resp: 84991

Ion Ratio Lower Upper

152 100

150 159.1 123.8 185.6

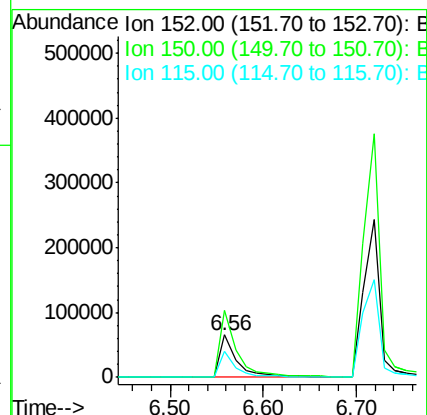
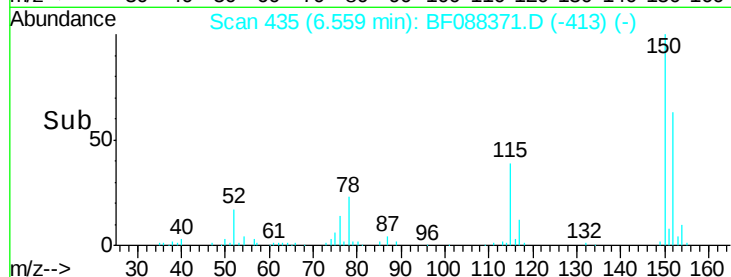
115 61.4 39.6 59.4#



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: 137.62 ng

RT: 5.15 min Scan# 312

Delta R.T. -0.02 min

Lab File: BF088371.D

Acq: 25 Jun 2016 12:24

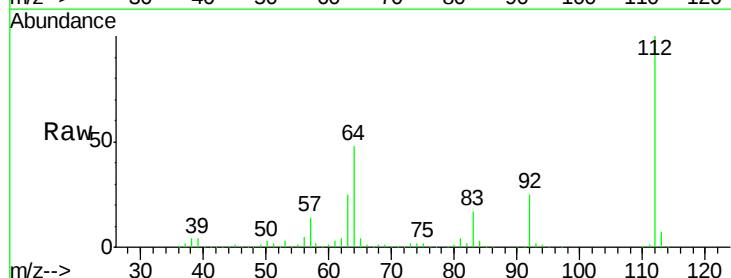
Tgt Ion:112 Resp: 684165

Ion Ratio Lower Upper

112 100

64 47.6 42.2 63.2

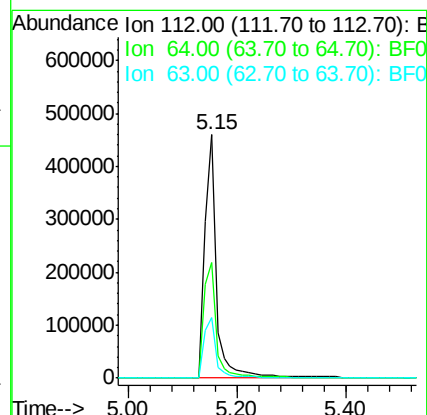
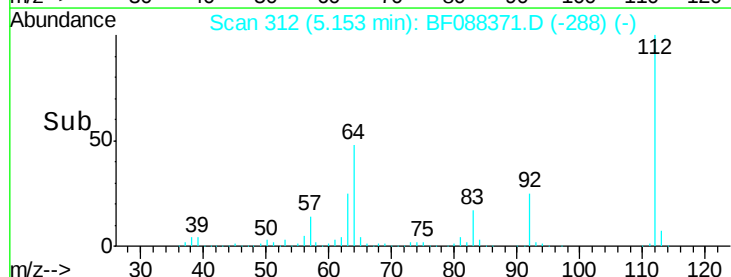
63 24.8 21.8 32.8

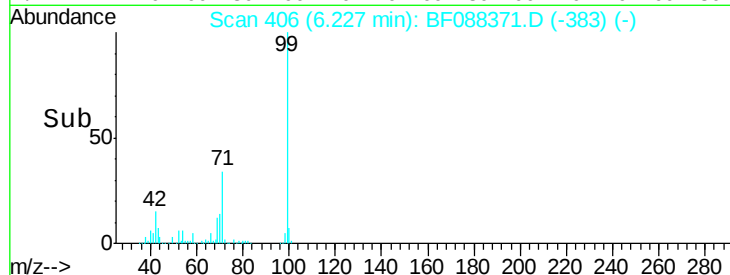
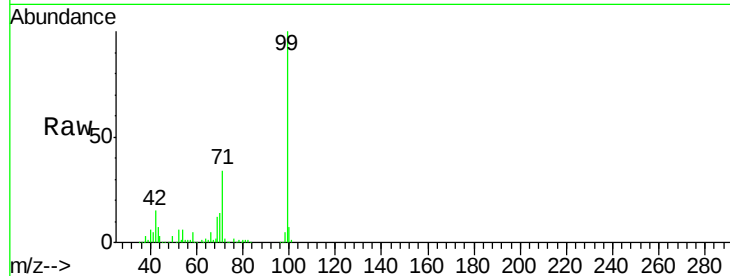


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 139.38 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.03 min

Lab File: BF088371.D

Acq: 25 Jun 2016 12:24

Instrument :

BNA_F

ClientSampleId :

P8-B5(0-16)C

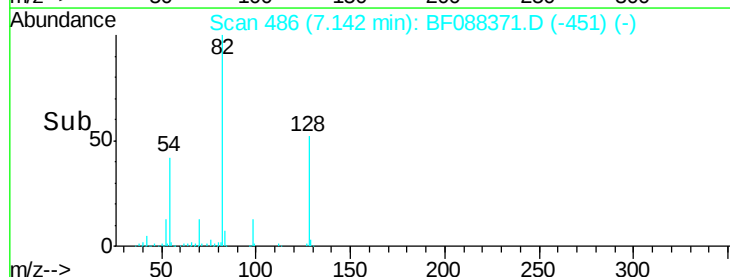
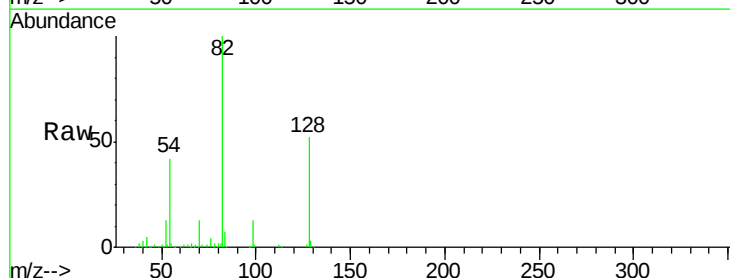
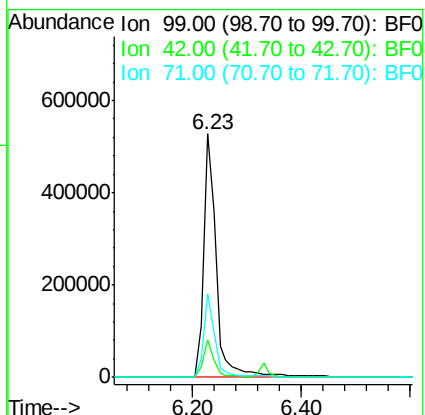
Tgt Ion: 99 Resp: 839755

Ion Ratio Lower Upper

99 100

42 15.2 12.2 18.2

71 34.2 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 18.54 ng

RT: 7.14 min Scan# 486

Delta R.T. 0.10 min

Lab File: BF088371.D

Acq: 25 Jun 2016 12:24

Tgt Ion: 70 Resp: 71455

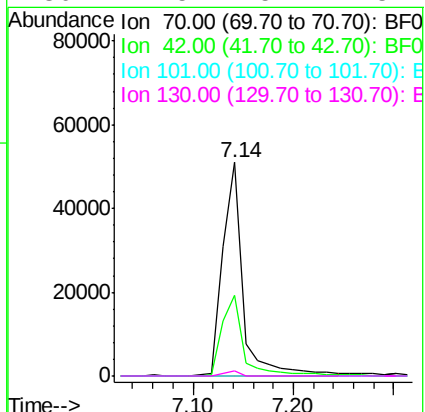
Ion Ratio Lower Upper

70 100

42 37.8 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: 7.85 min Scan# 548

Delta R.T. -0.05 min

Lab File: BF088371.D

Acq: 25 Jun 2016 12:24

Instrument :

BNA_F

ClientSampleId :

P8-B5(0-16)C

Tgt Ion: 136 Resp: 343166

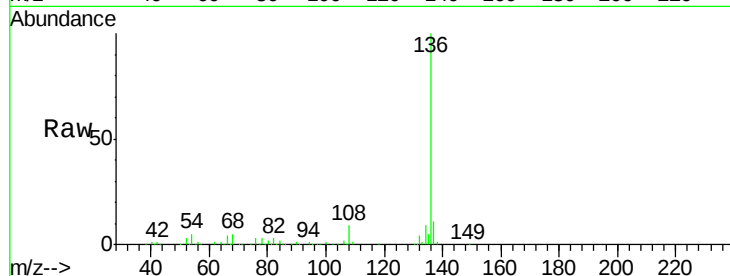
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 5.3 6.6 10.0#

68 4.6 5.1 7.7#

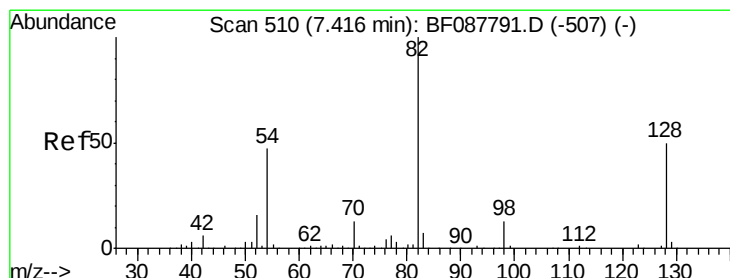
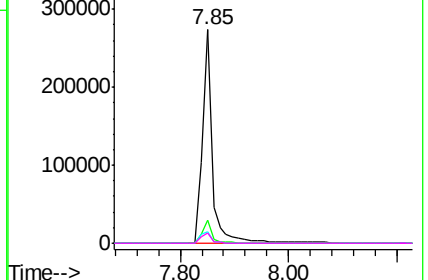
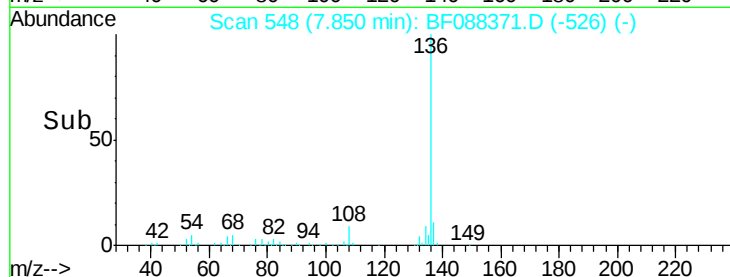


Abundance Ion 136.00 (135.70 to 136.70): E

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: 93.57 ng

RT: 7.14 min Scan# 486

Delta R.T. -0.03 min

Lab File: BF088371.D

Acq: 25 Jun 2016 12:24

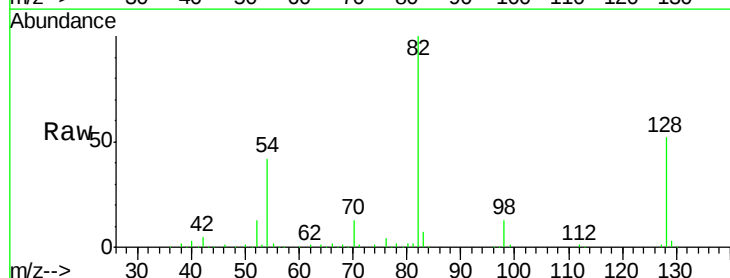
Tgt Ion: 82 Resp: 549888

Ion Ratio Lower Upper

82 100

128 51.6 35.9 53.9

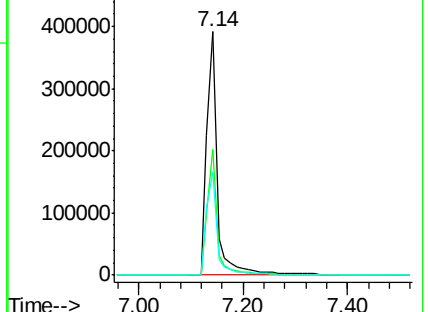
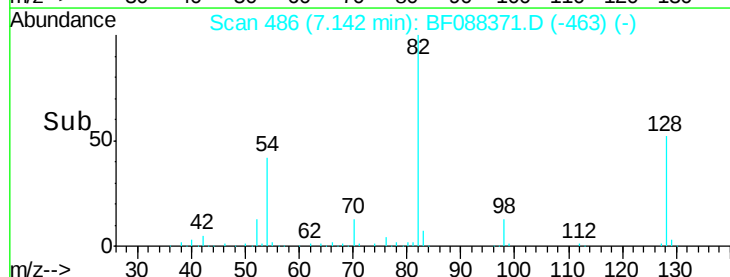
54 42.0 40.9 61.3

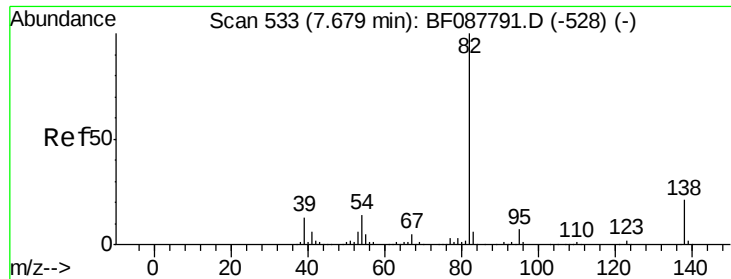


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 49.25 ng

RT: 7.14 min Scan# 486

Delta R.T. -0.30 min

Lab File: BF088371.D

Acq: 25 Jun 2016 12:24

Instrument :

BNA_F

ClientSampleId :

P8-B5(0-16)C

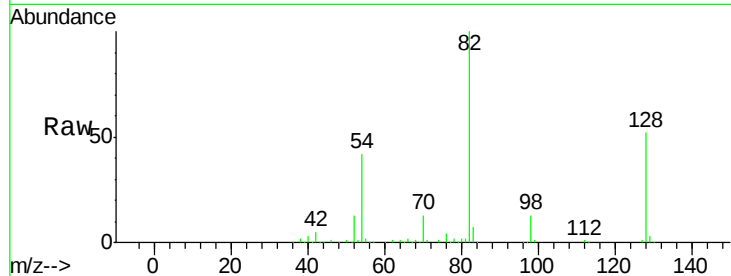
Tgt Ion: 82 Resp: 536098

Ion Ratio Lower Upper

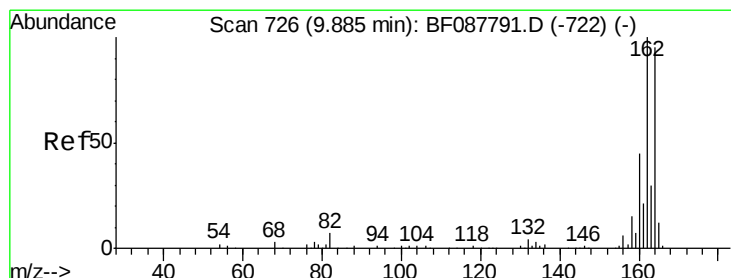
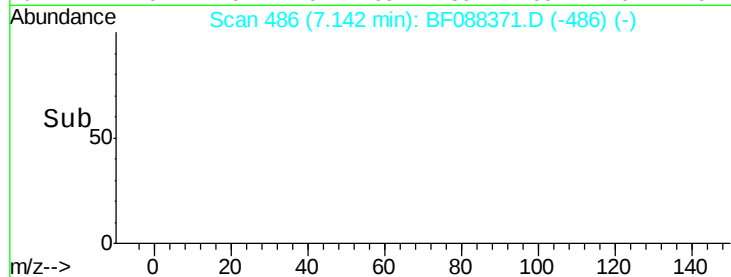
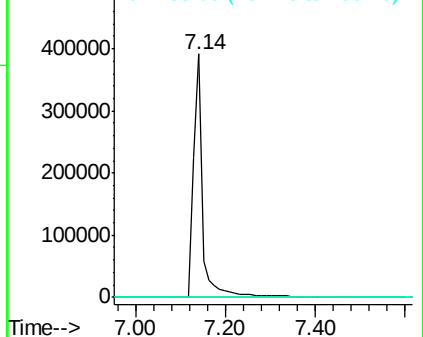
82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.59 min Scan# 700

Delta R.T. -0.06 min

Lab File: BF088371.D

Acq: 25 Jun 2016 12:24

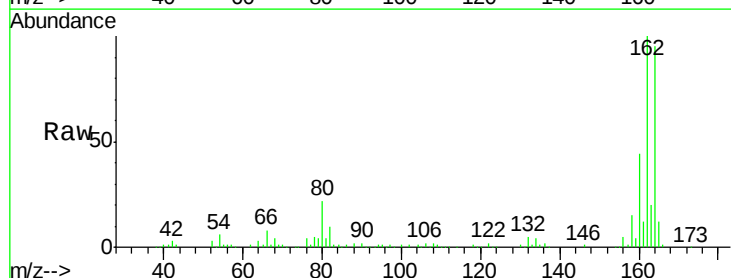
Tgt Ion:164 Resp: 159196

Ion Ratio Lower Upper

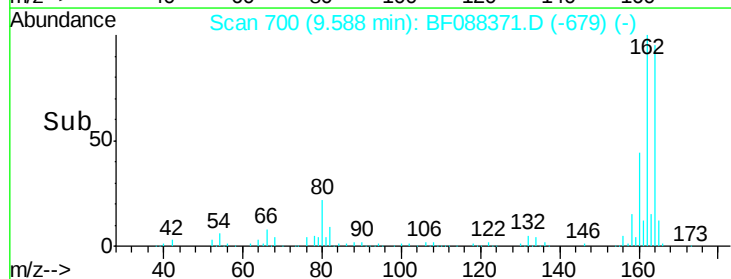
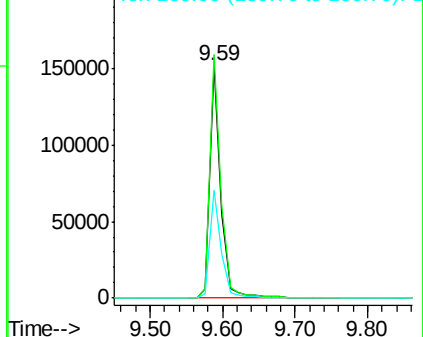
164 100

162 104.9 85.4 128.2

160 46.5 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

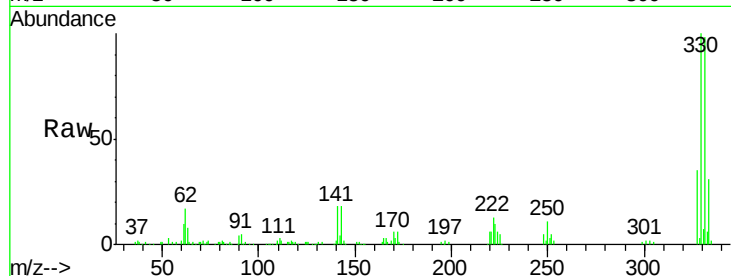




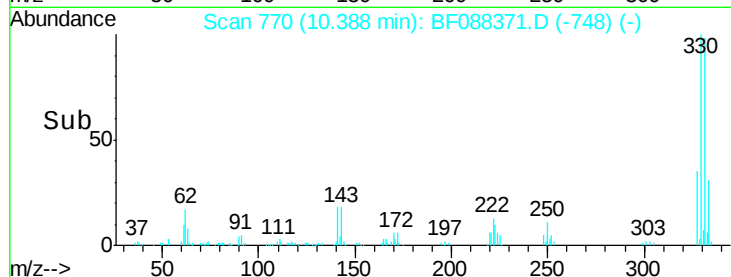
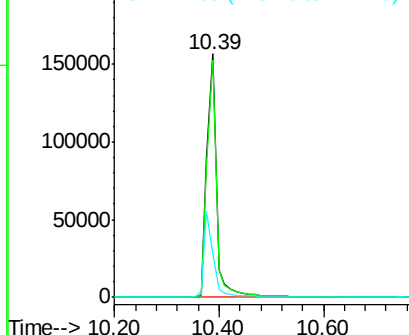
#41
 2,4,6-Tribromophenol
 Concen: 120.35 ng
 RT: 10.39 min Scan# 770
 Delta R.T. -0.05 min
 Lab File: BF088371.D
 Acq: 25 Jun 2016 12:24

Instrument :
 BNA_F
 ClientSampleId :
 P8-B5(0-16)C

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	0.0	0.0#
141	35.2	0.0	0.0#

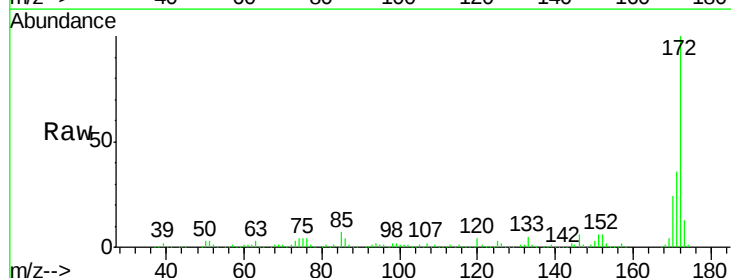


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

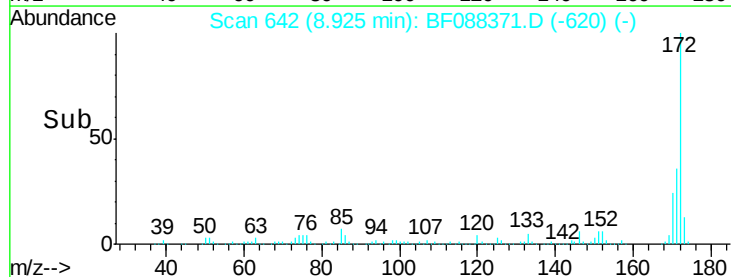
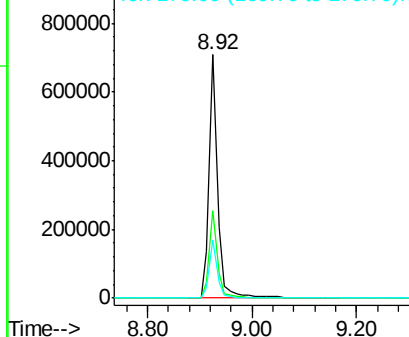


#44
 2-Fluorobiphenyl
 Concen: 78.90 ng
 RT: 8.92 min Scan# 642
 Delta R.T. -0.05 min
 Lab File: BF088371.D
 Acq: 25 Jun 2016 12:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	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

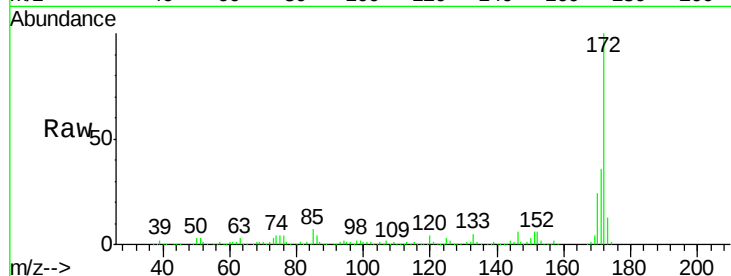




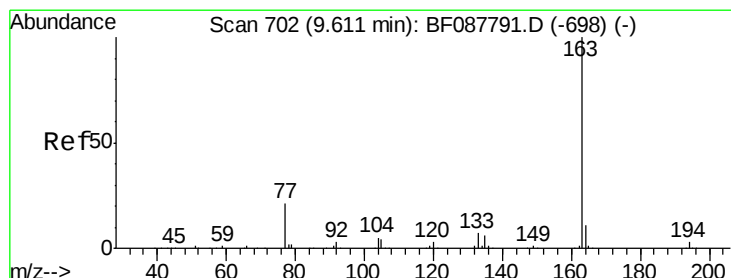
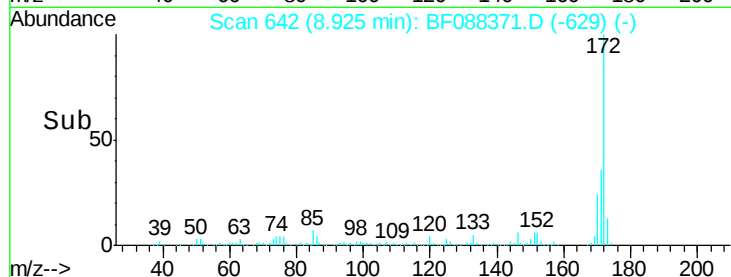
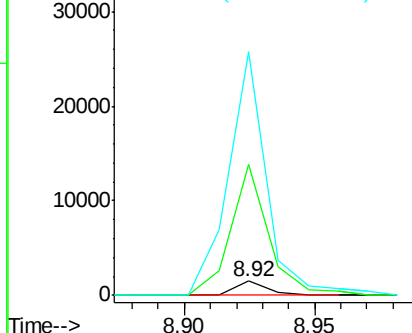
#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 8.92 min Scan# 642
 Delta R.T. -0.15 min
 Lab File: BF088371.D
 Acq: 25 Jun 2016 12:24

Instrument :
 BNA_F
 ClientSampleId :
 P8-B5(0-16)C

Tgt Ion:154 Resp: 1261
 Ion Ratio Lower Upper
 154 100
 153 931.5 20.6 60.6#
 76 1734.8 0.0 35.1#

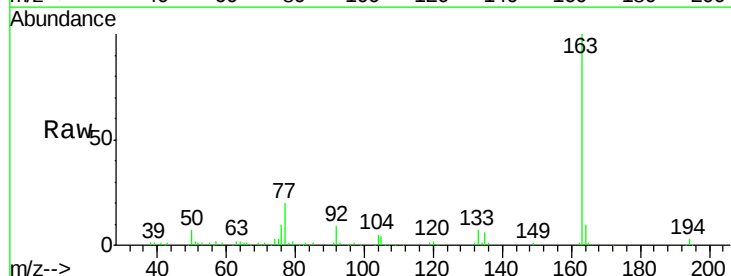


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

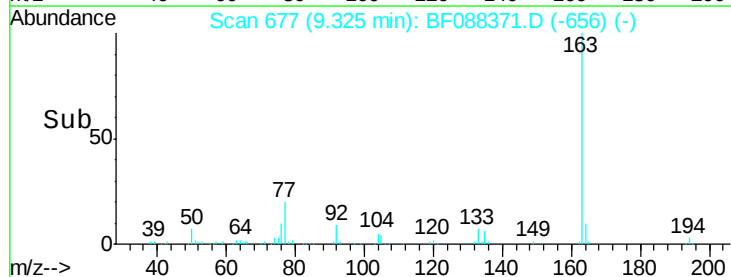
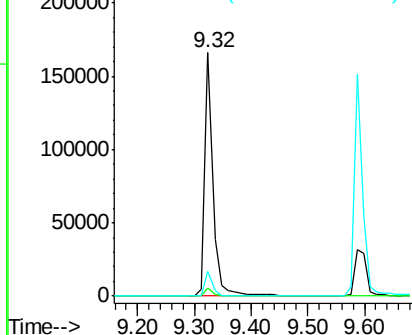


#49
 Dimethylphthalate
 Concen: 14.00 ng
 RT: 9.32 min Scan# 677
 Delta R.T. -0.06 min
 Lab File: BF088371.D
 Acq: 25 Jun 2016 12:24

Tgt Ion:163 Resp: 161417
 Ion Ratio Lower Upper
 163 100
 194 3.1 2.8 4.2
 164 9.9 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

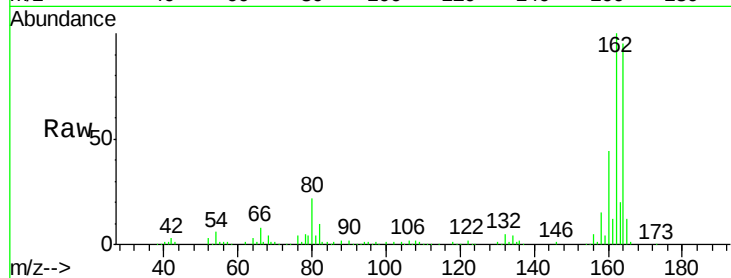




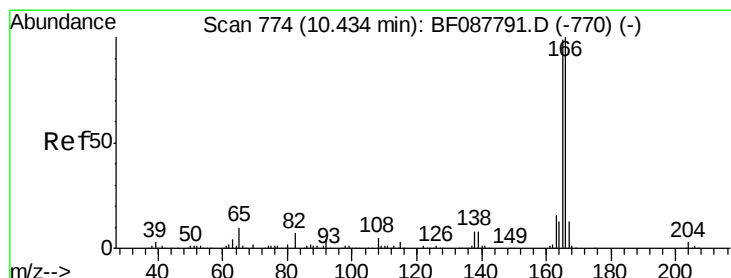
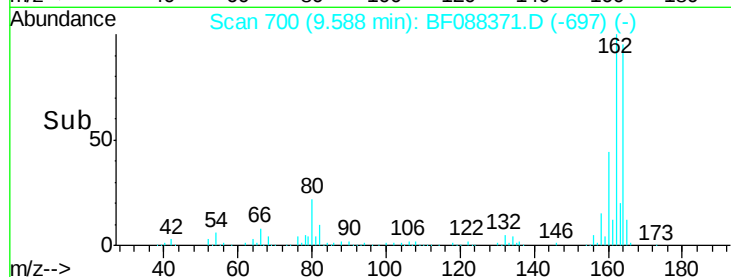
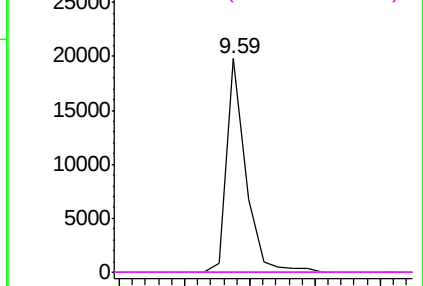
#56
2,4-Dinitrotoluene
Concen: 6.00 ng
RT: 9.59 min Scan# 700
Delta R.T. -0.26 min
Lab File: BF088371.D
Acq: 25 Jun 2016 12:24

Instrument :
BNA_F
ClientSampleId :
P8-B5(0-16)C

Tgt Ion:	165	Resp:	20359
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#

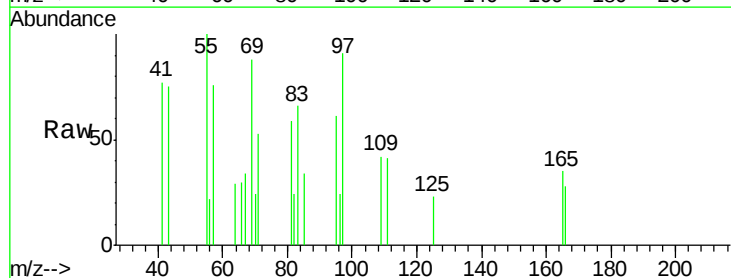


Abundance Ion 165.00 (164.70 to 165.70): E

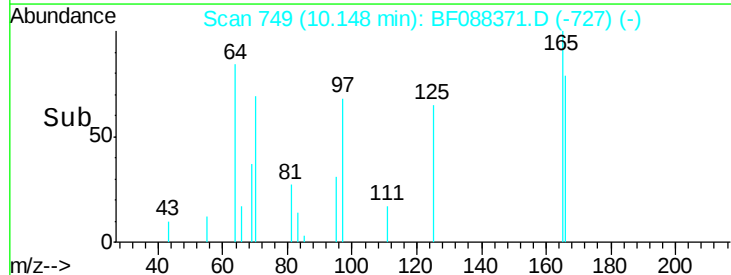
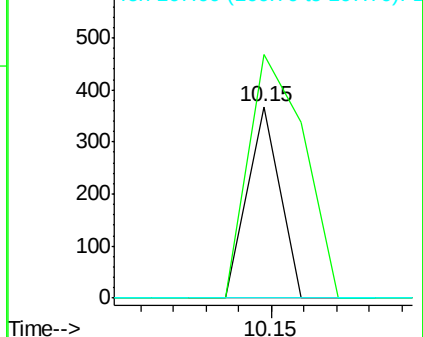


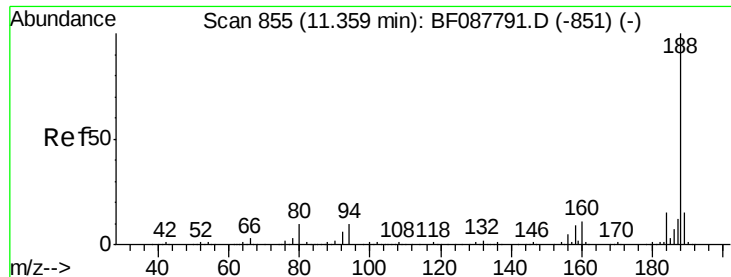
#57
Fluorene
Concen: Below Cal
RT: 10.15 min Scan# 749
Delta R.T. -0.05 min
Lab File: BF088371.D
Acq: 25 Jun 2016 12:24

Tgt Ion:	166	Resp:	252
Ion	Ratio	Lower	Upper
166	100		
165	127.2	77.8	116.8#
167	0.0	11.2	16.8#



Abundance Ion 166.00 (165.70 to 166.70): E

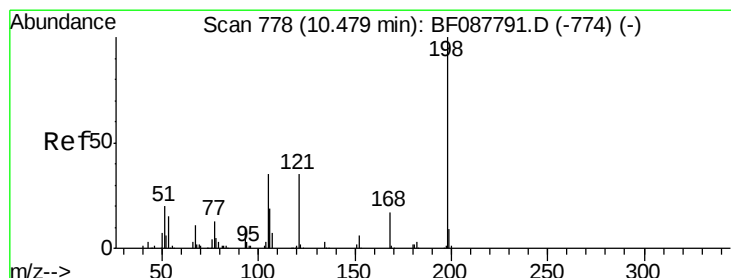
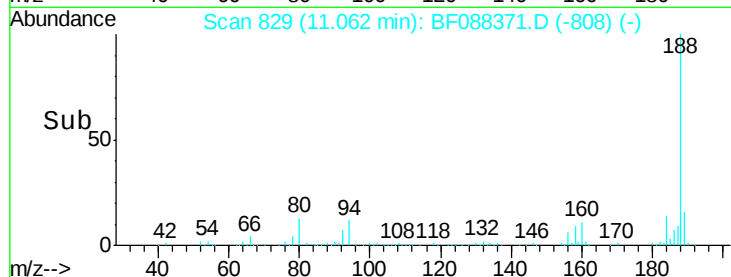
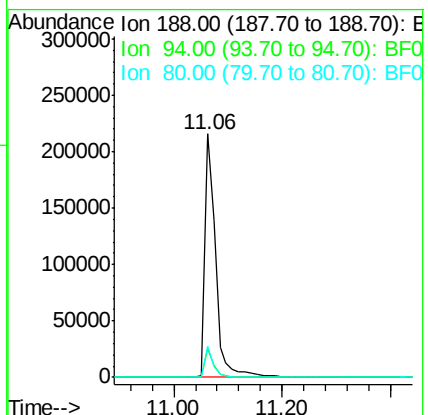
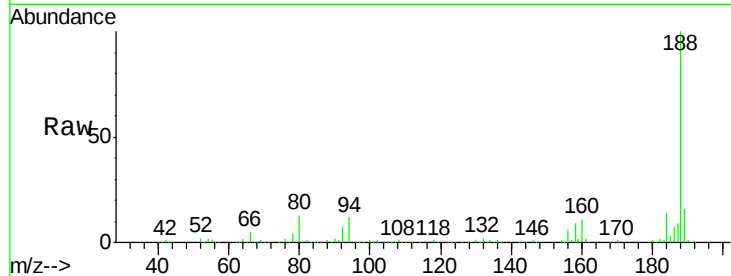




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.06 min Scan# 829
Delta R.T. -0.06 min
Lab File: BF088371.D
Acq: 25 Jun 2016 12:24

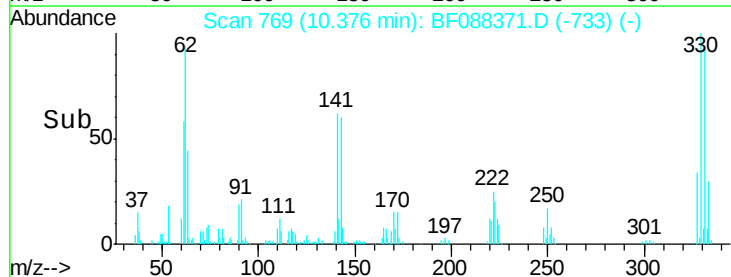
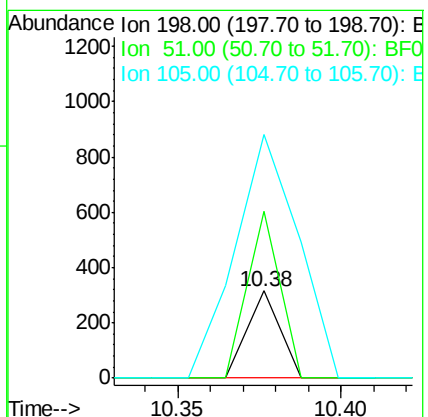
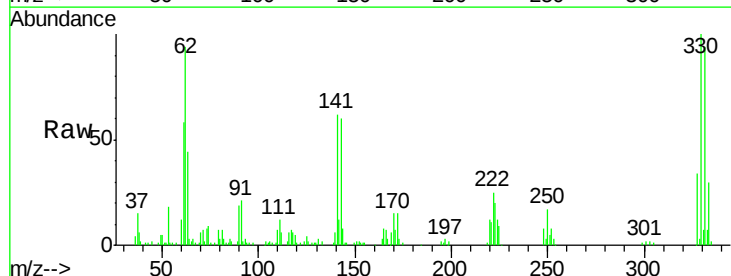
Instrument :
BNA_F
ClientSampleId :
P8-B5(0-16)C

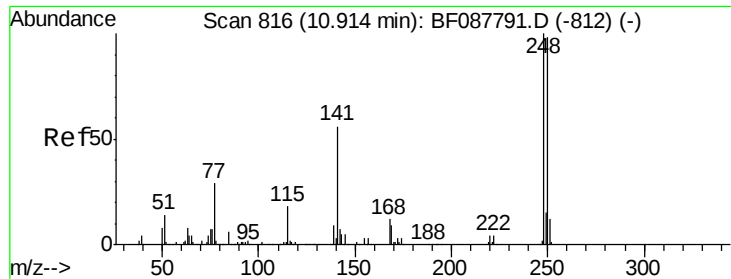
Tgt Ion:188 Resp: 292484
Ion Ratio Lower Upper
188 100
94 11.9 9.0 13.6
80 12.8 10.0 15.0



#64
4,6-Dinitro-2-methylphenol
Concen: 2.28 ng
RT: 10.38 min Scan# 769
Delta R.T. 0.11 min
Lab File: BF088371.D
Acq: 25 Jun 2016 12:24

Tgt Ion:198 Resp: 217
Ion Ratio Lower Upper
198 100
51 191.5 39.6 79.6#
105 278.8 36.6 76.6#

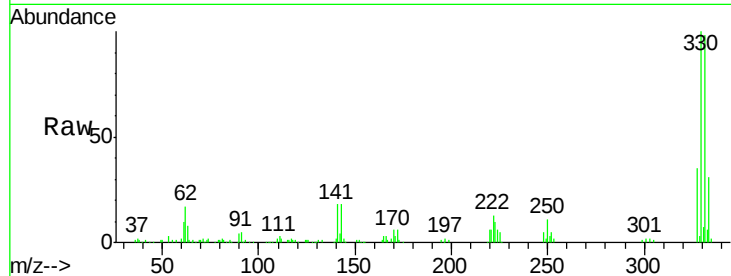




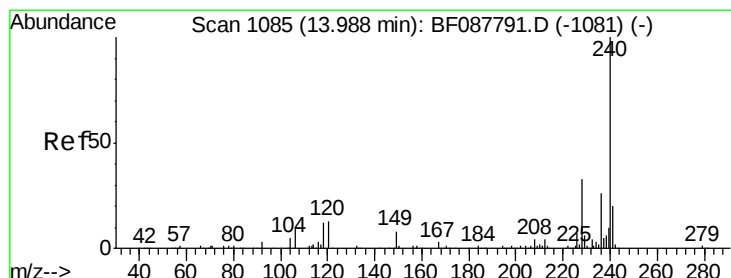
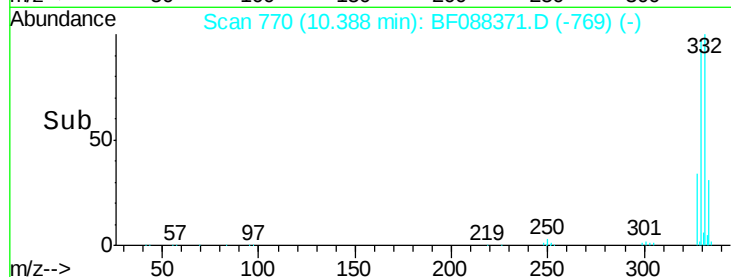
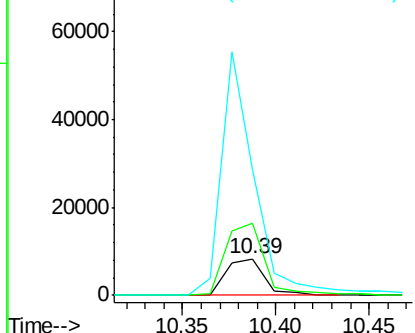
#66
4-Bromophenyl-phenylether
Concen: 3.79 ng
RT: 10.39 min Scan# 770
Delta R.T. -0.29 min
Lab File: BF088371.D
Acq: 25 Jun 2016 12:24

Instrument :
BNA_F
ClientSampleId :
P8-B5(0-16)C

Tgt Ion:248 Resp: 11899
Ion Ratio Lower Upper
248 100
250 198.1 77.1 115.7#
141 341.3 50.6 76.0#

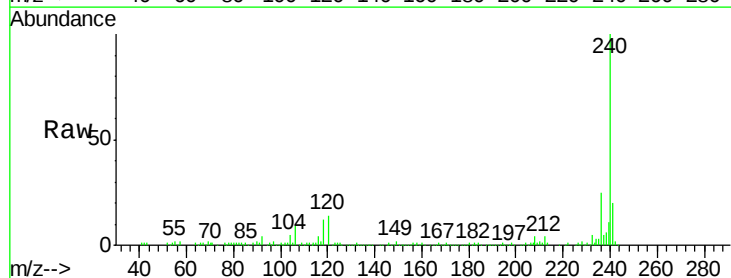


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

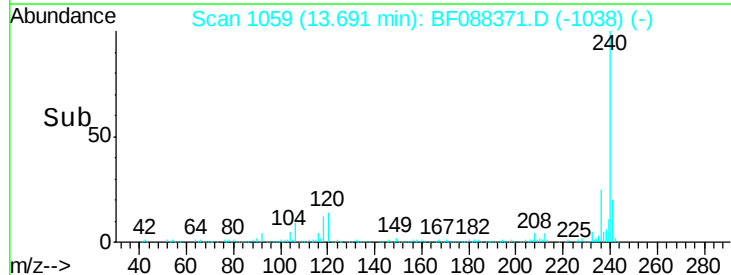
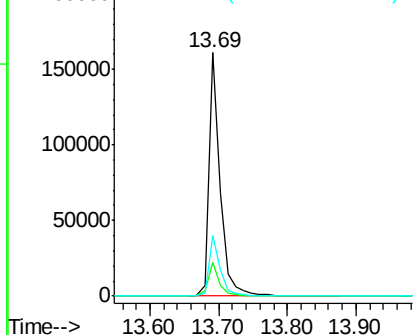


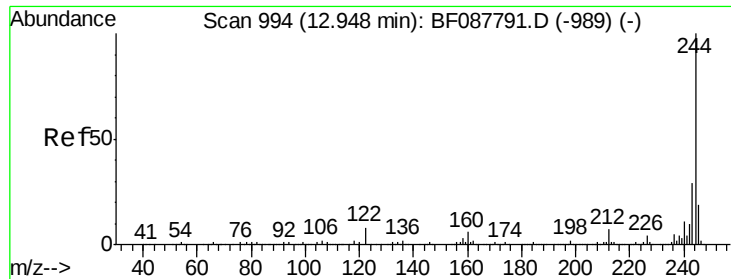
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.69 min Scan# 1059
Delta R.T. -0.06 min
Lab File: BF088371.D
Acq: 25 Jun 2016 12:24

Tgt Ion:240 Resp: 183312
Ion Ratio Lower Upper
240 100
120 13.7 6.8 10.2#
236 25.1 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

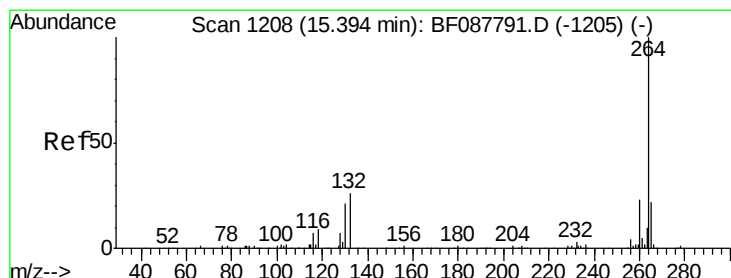
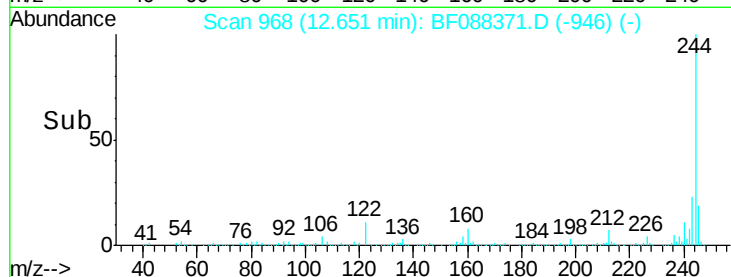
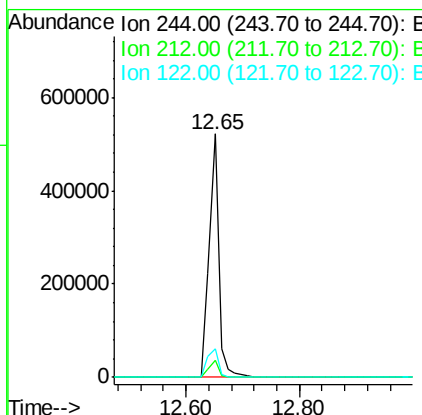
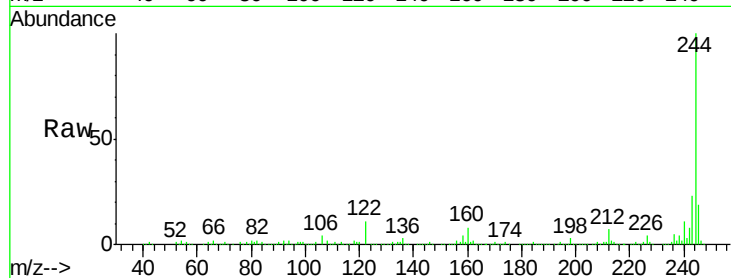




#78
 Terphenyl-d14
 Concen: 72.84 ng
 RT: 12.65 min Scan# 968
 Delta R.T. -0.05 min
 Lab File: BF088371.D
 Acq: 25 Jun 2016 12:24

Instrument :
 BNA_F
 ClientSampleId :
 P8-B5(0-16)C

Tgt Ion:244 Resp: 586771
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 11.5 11.2 16.8



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.05 min Scan# 1178
 Delta R.T. -0.06 min
 Lab File: BF088371.D
 Acq: 25 Jun 2016 12:24

Tgt Ion:264 Resp: 167529
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 21.6 16.9 25.3

