

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062716\
 Data File : BF088463.D
 Acq On : 27 Jun 2016 20:54
 Operator : UM/SJ
 Sample : H3701-05
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP-B2C

Quant Time: Jun 28 04:53:04 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 27 19:14:18 2016
 Response via : Initial Calibration

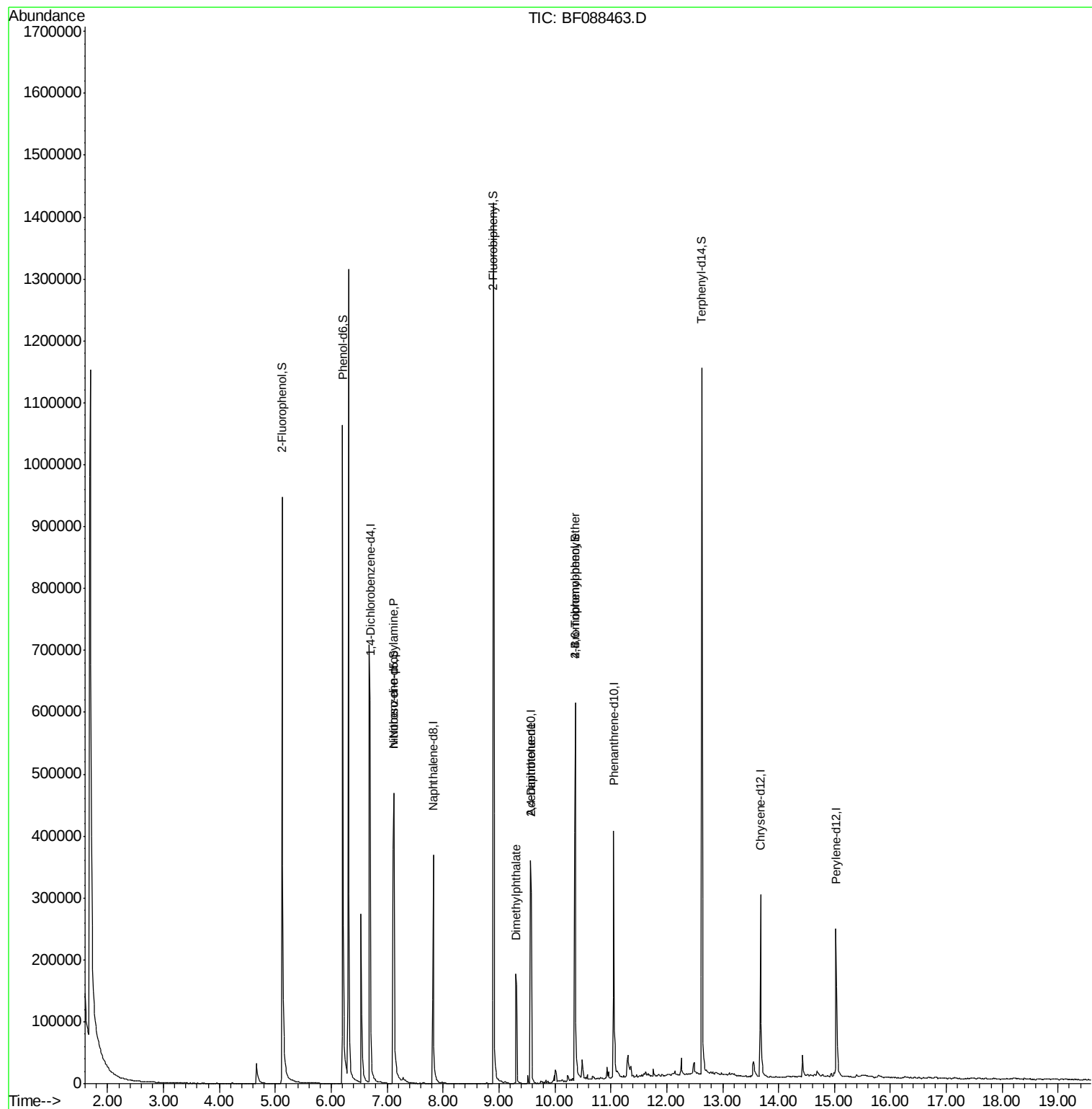
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	185344	20.00	ng	0.15
21) Naphthalene-d8	7.83	136	246521	20.00	ng	-0.01
38) Acenaphthene-d10	9.56	164	109541	20.00	ng	-0.02
63) Phenanthrene-d10	11.05	188	192841	20.00	ng	-0.01
75) Chrysene-d12	13.68	240	127918	20.00	ng	-0.01
86) Perylene-d12	15.03	264	126761	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.12	112	405071	37.36	ng	-0.01
7) Phenol-d6	6.20	99	485042	36.92	ng	-0.03
23) Nitrobenzene-d5	7.12	82	296518	70.24	ng	-0.02
41) 2,4,6-Tribromophenol	10.36	330	110192	95.27	ng	-0.01
44) 2-Fluorobiphenyl	8.90	172	531104	75.55	ng	-0.02
78) Terphenyl-d14	12.63	244	390367	69.44	ng	-0.01
Target Compounds						
10) Phenol	6.31	94	530	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.12	70	37907	4.51 ng	#	68
45) 1,1'-Biphenyl	8.90	154	662	Below Cal	#	1
49) Dimethylphthalate	9.31	163	124200	15.65 ng		98
56) 2,4-Dinitrotoluene	9.56	165	13863	5.94 ng	#	36
57) Fluorene	10.12	166	1003	Below Cal	#	90
66) 4-Bromophenyl-phenylether	10.36	248	6722	3.25 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: 6.70 min Scan# 447

Delta R.T. 0.15 min

Lab File: BF088463.D

Acq: 27 Jun 2016 20:54

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B2C

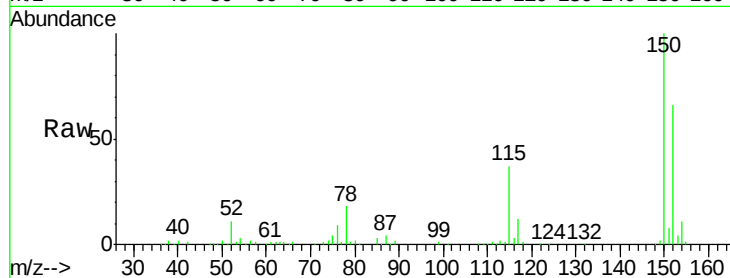
Tgt Ion:152 Resp: 185344

Ion Ratio Lower Upper

152 100

150 152.0 123.8 185.6

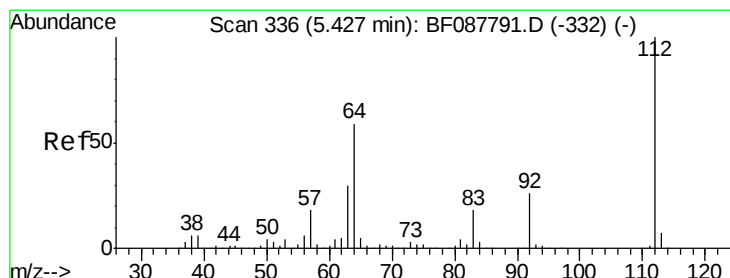
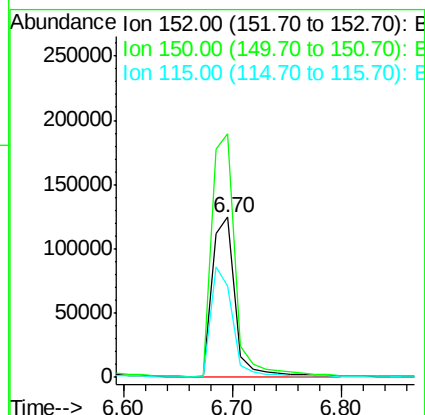
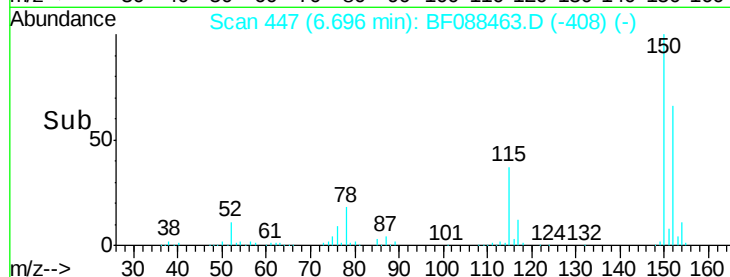
115 56.6 39.6 59.4



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: 37.36 ng

RT: 5.12 min Scan# 309

Delta R.T. -0.01 min

Lab File: BF088463.D

Acq: 27 Jun 2016 20:54

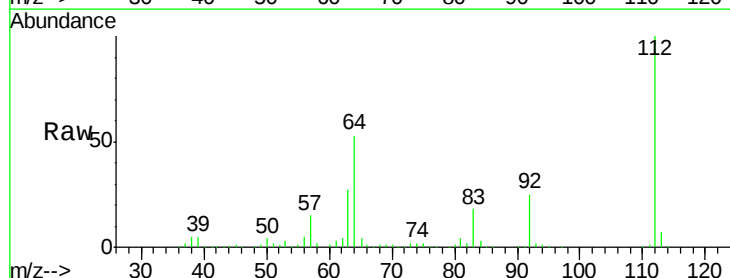
Tgt Ion:112 Resp: 405071

Ion Ratio Lower Upper

112 100

64 52.5 42.2 63.2

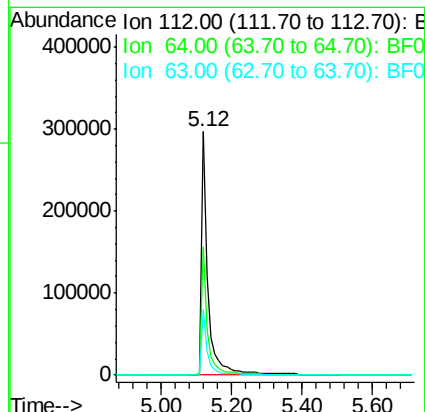
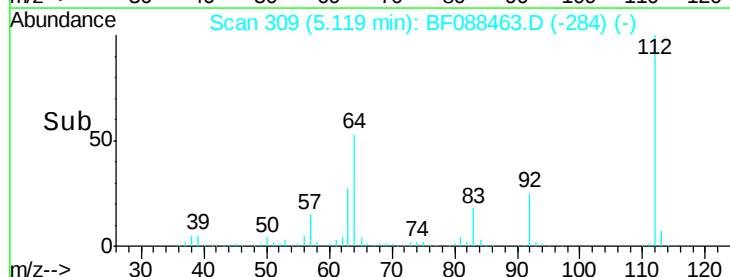
63 27.0 21.8 32.8

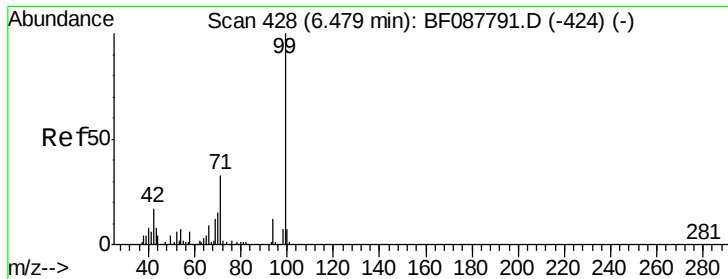


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 36.92 ng

RT: 6.20 min Scan# 404

Delta R.T. -0.03 min

Lab File: BF088463.D

Acq: 27 Jun 2016 20:54

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B2C

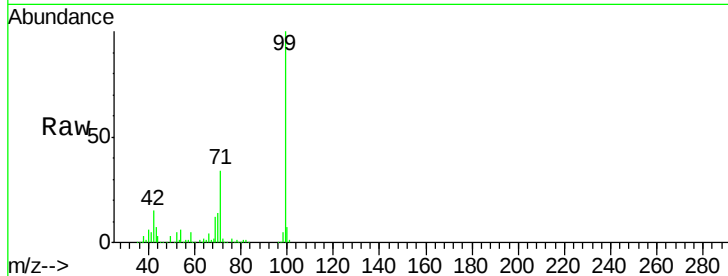
Tgt Ion: 99 Resp: 485042

Ion Ratio Lower Upper

99 100

42 14.8 12.2 18.2

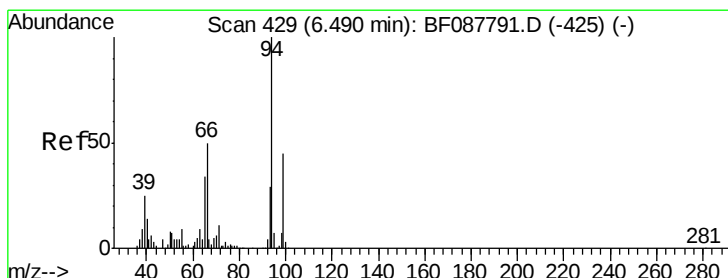
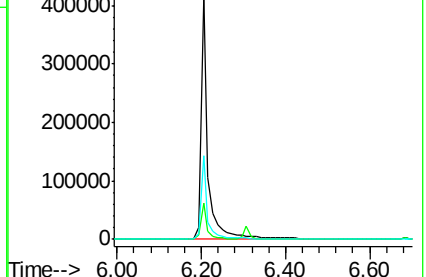
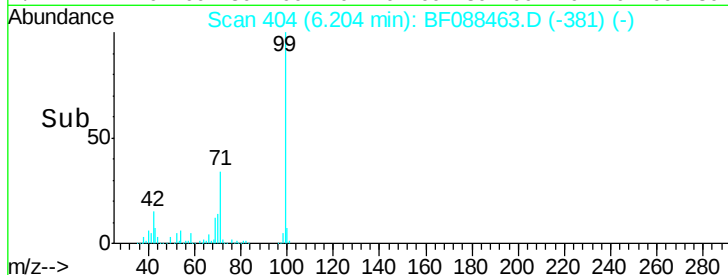
71 34.1 23.4 35.0



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: 6.31 min Scan# 413

Delta R.T. 0.06 min

Lab File: BF088463.D

Acq: 27 Jun 2016 20:54

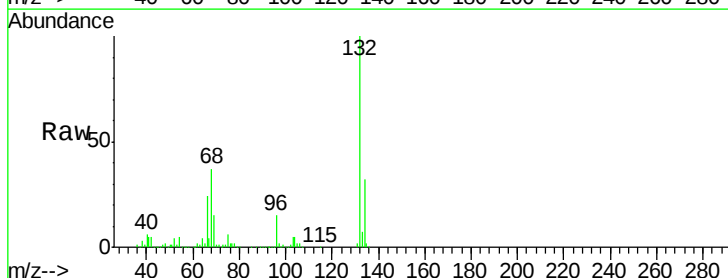
Tgt Ion: 94 Resp: 530

Ion Ratio Lower Upper

94 100

65 1004.7 5.9 45.9#

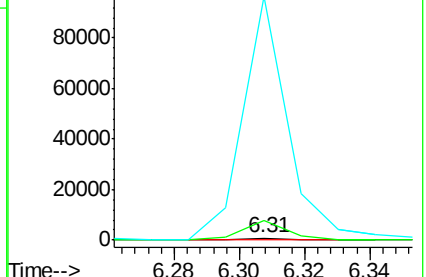
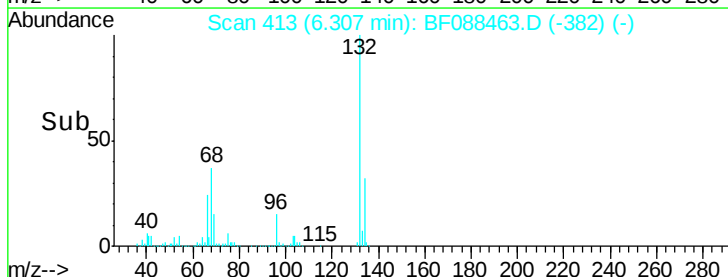
66 12471.9 14.0 54.0#

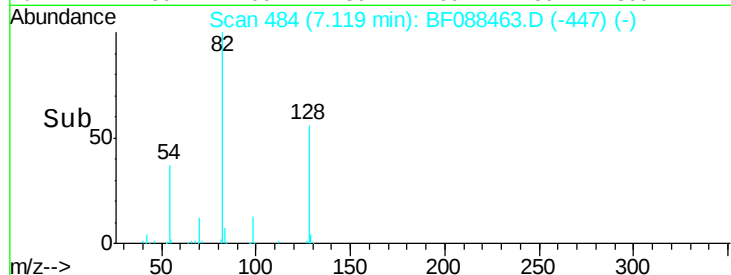
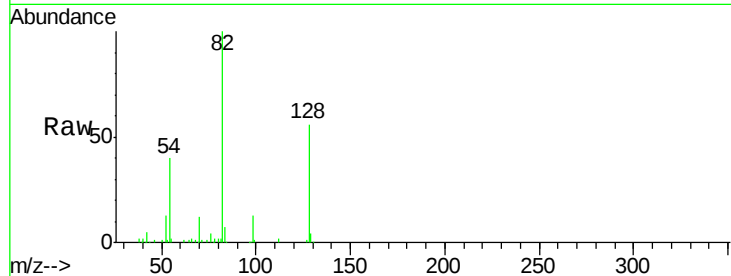


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

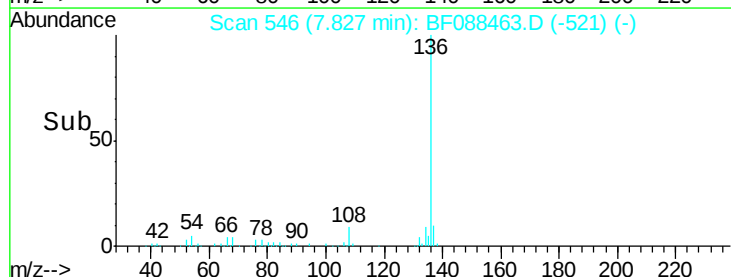
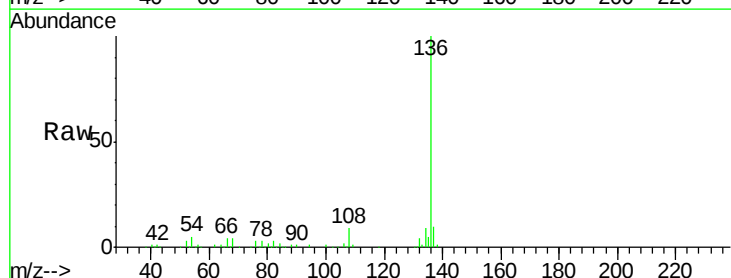
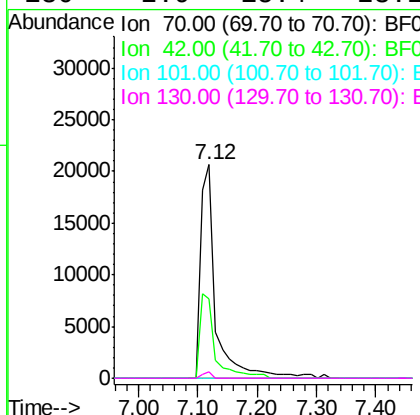




#19
n-Nitroso-di-n-propylamine
Concen: 4.51 ng
RT: 7.12 min Scan# 484
Delta R.T. 0.13 min
Lab File: BF088463.D
Acq: 27 Jun 2016 20:54

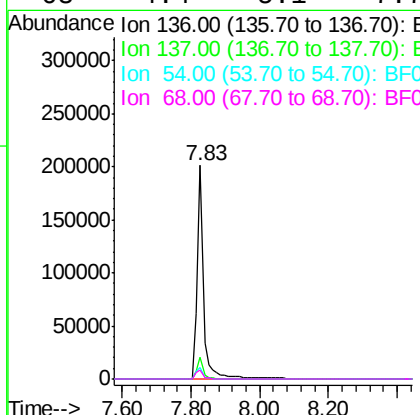
Instrument :
BNA_F
ClientSampleId :
TEC-COMP-B2C

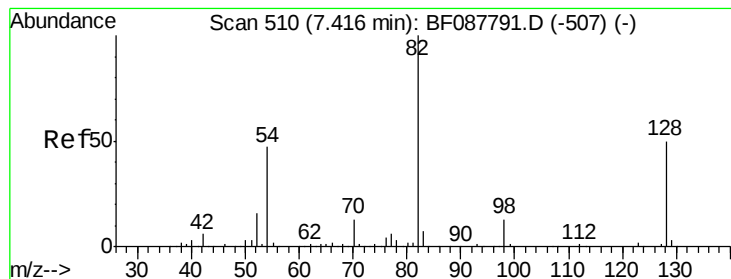
Tgt Ion: 70 Resp: 37907
Ion Ratio Lower Upper
70 100
42 37.3 49.6 74.4#
101 0.0 7.1 10.7#
130 2.9 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.83 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF088463.D
Acq: 27 Jun 2016 20:54

Tgt Ion: 136 Resp: 246521
Ion Ratio Lower Upper
136 100
137 10.4 9.1 13.7
54 5.4 6.6 10.0#
68 4.4 5.1 7.7#





#23

Nitrobenzene-d5

Concen: 70.24 ng

RT: 7.12 min Scan# 484

Delta R.T. -0.02 min

Lab File: BF088463.D

Acq: 27 Jun 2016 20:54

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B2C

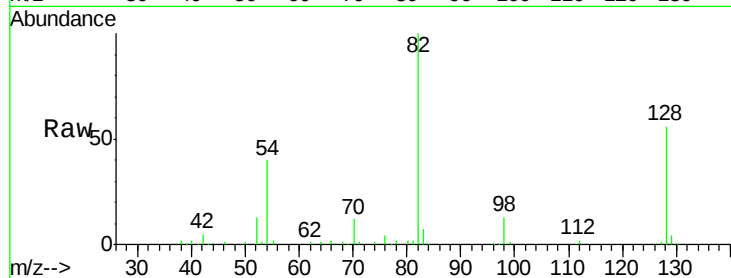
Tgt Ion: 82 Resp: 296518

Ion Ratio Lower Upper

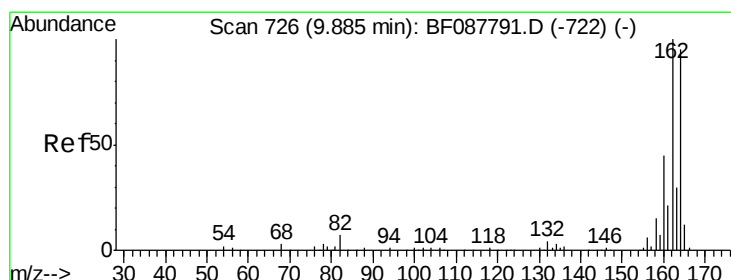
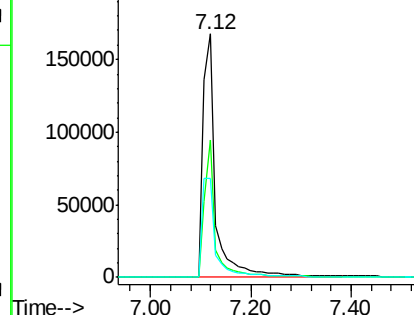
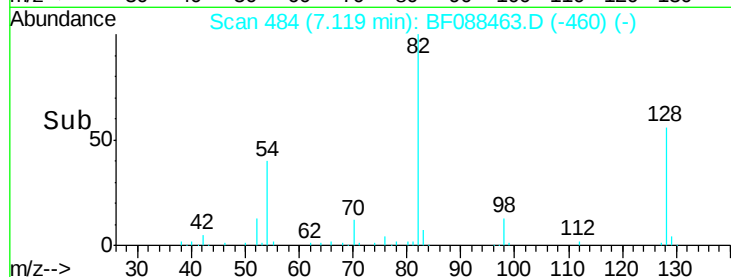
82 100

128 56.3 35.9 53.9#

54 40.5 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: 9.56 min Scan# 698

Delta R.T. -0.02 min

Lab File: BF088463.D

Acq: 27 Jun 2016 20:54

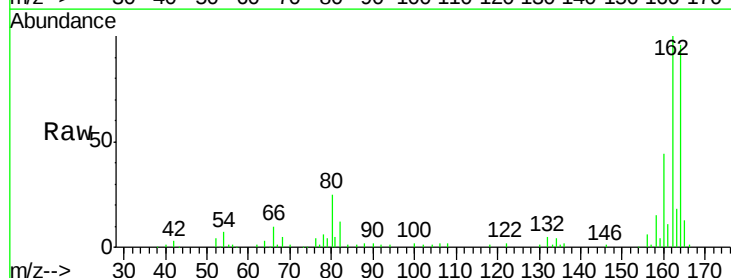
Tgt Ion: 164 Resp: 109541

Ion Ratio Lower Upper

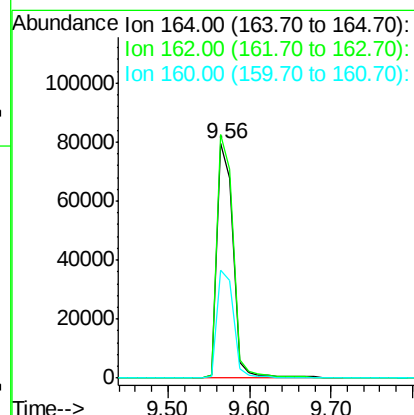
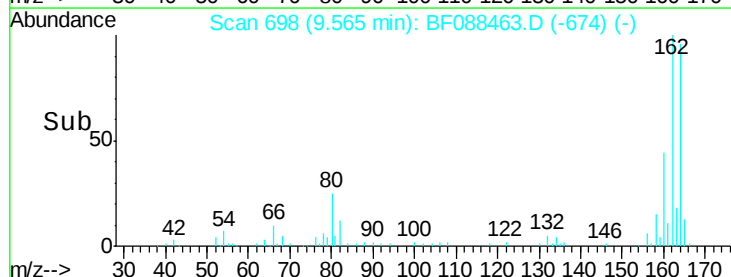
164 100

162 104.0 85.4 128.2

160 46.2 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

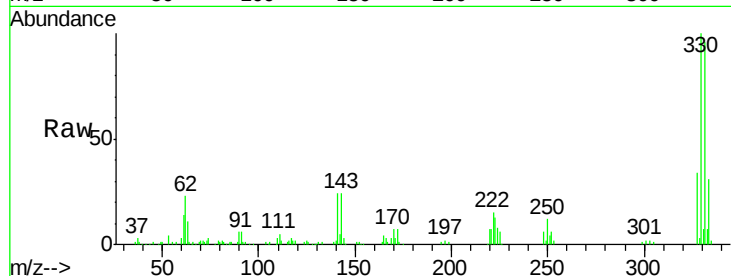




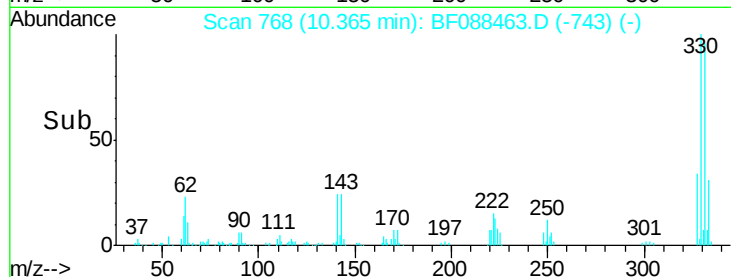
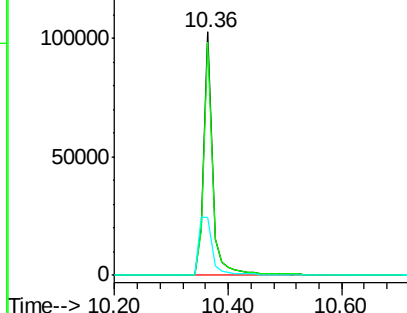
#41
 2,4,6-Tribromophenol
 Concen: 95.27 ng
 RT: 10.36 min Scan# 768
 Delta R.T. -0.01 min
 Lab File: BF088463.D
 Acq: 27 Jun 2016 20:54

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP-B2C

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	0.0	0.0#
141	38.0	0.0	0.0#

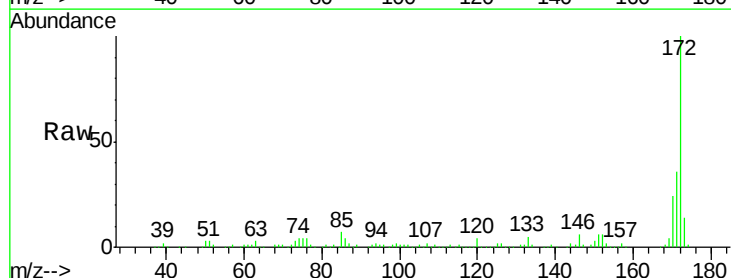


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

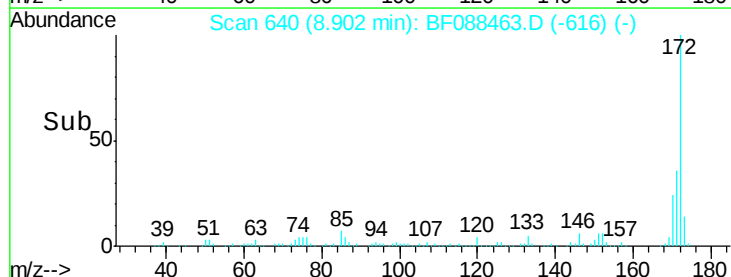
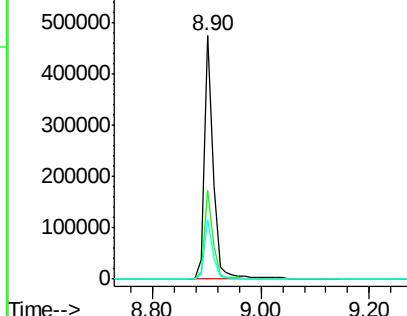


#44
 2-Fluorobiphenyl
 Concen: 75.55 ng
 RT: 8.90 min Scan# 640
 Delta R.T. -0.02 min
 Lab File: BF088463.D
 Acq: 27 Jun 2016 20:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.6	43.0
170	24.2	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: 8.90 min Scan# 640

Delta R.T. -0.11 min

Lab File: BF088463.D

Acq: 27 Jun 2016 20:54

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B2C

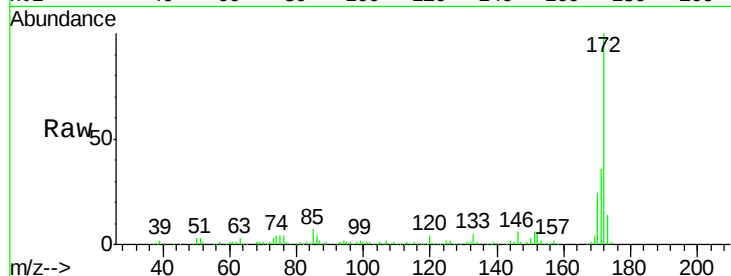
Tgt Ion:154 Resp: 662

Ion Ratio Lower Upper

154 100

153 929.7 20.6 60.6#

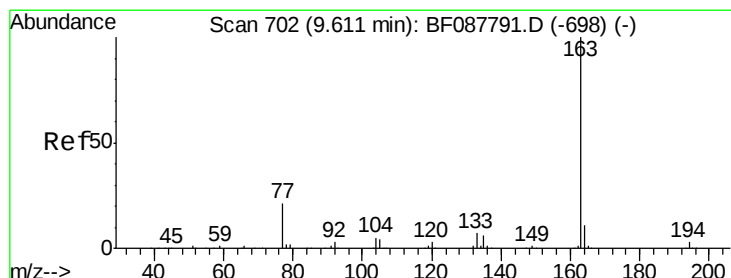
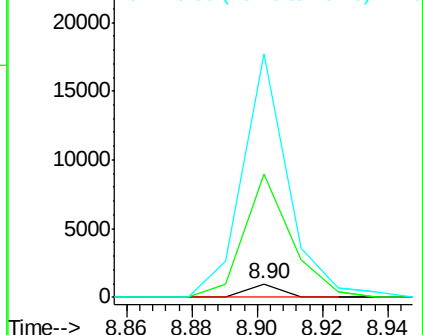
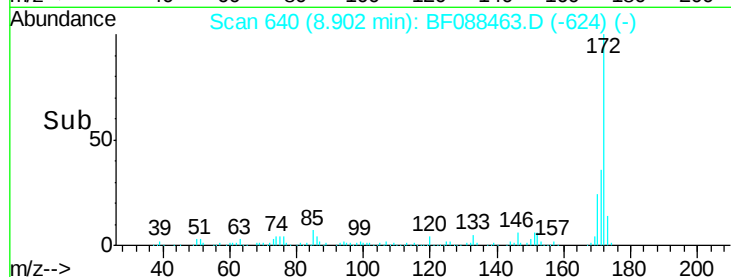
76 1835.4 0.0 35.1#



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: 15.65 ng

RT: 9.31 min Scan# 676

Delta R.T. -0.02 min

Lab File: BF088463.D

Acq: 27 Jun 2016 20:54

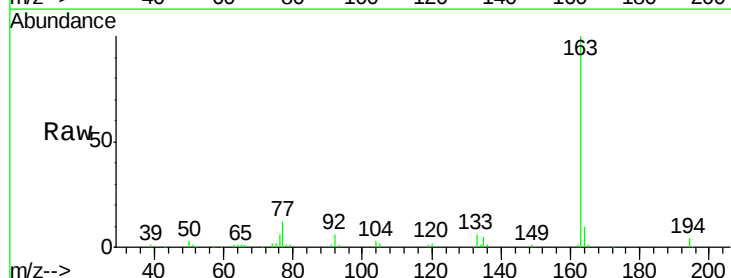
Tgt Ion:163 Resp: 124200

Ion Ratio Lower Upper

163 100

194 3.6 2.8 4.2

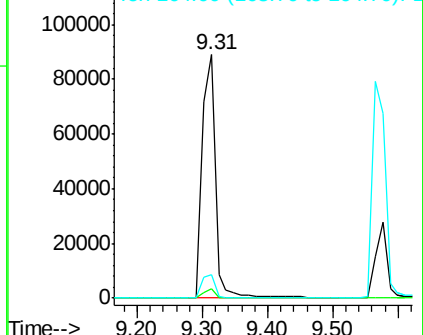
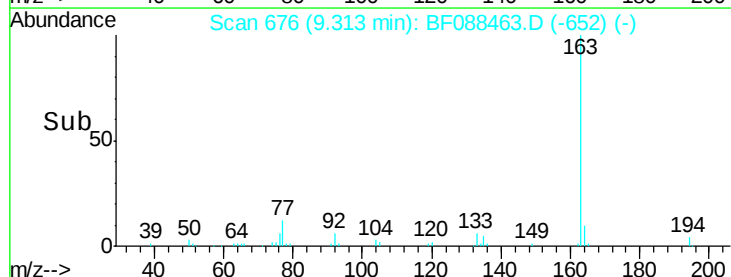
164 9.6 8.3 12.5



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: 5.94 ng

RT: 9.56 min Scan# 698

Delta R.T. -0.24 min

Lab File: BF088463.D

Acq: 27 Jun 2016 20:54

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B2C

Tgt Ion:165 Resp: 13863

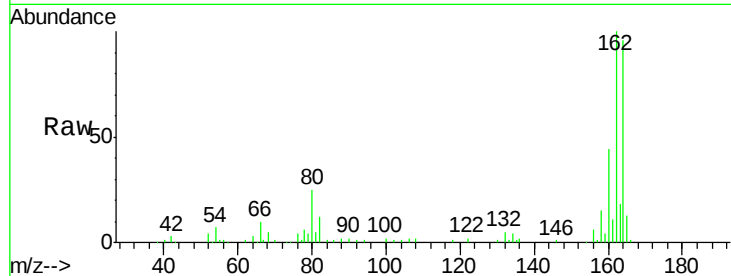
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

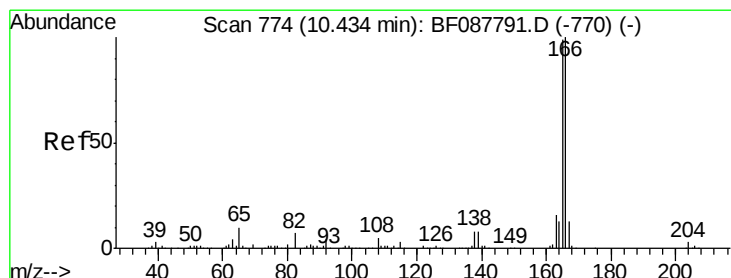
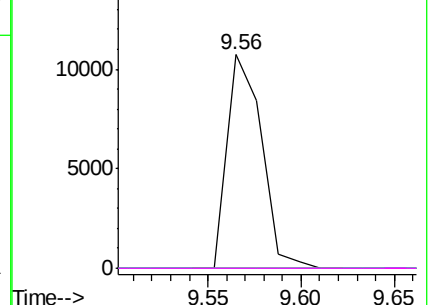
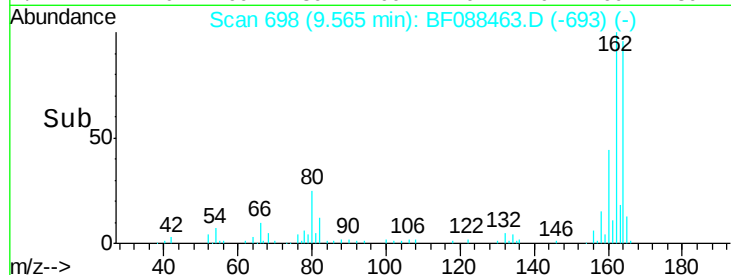


Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.12 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF088463.D

Acq: 27 Jun 2016 20:54

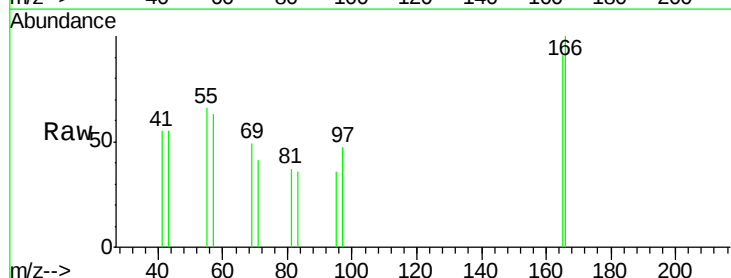
Tgt Ion:166 Resp: 1003

Ion Ratio Lower Upper

166 100

165 90.5 77.8 116.8

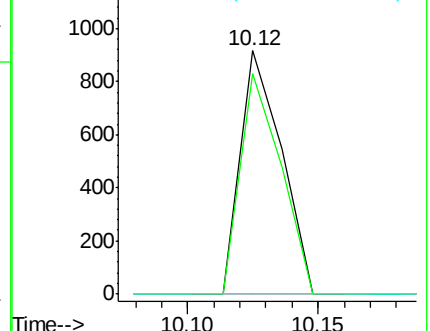
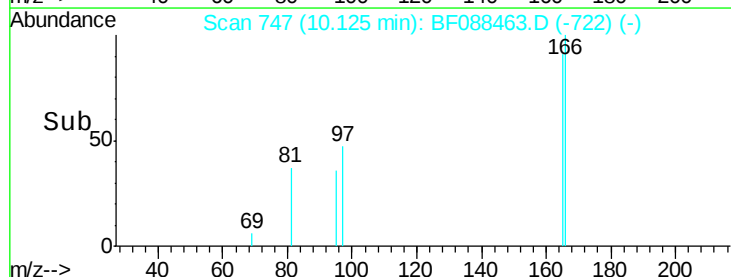
167 0.0 11.2 16.8#

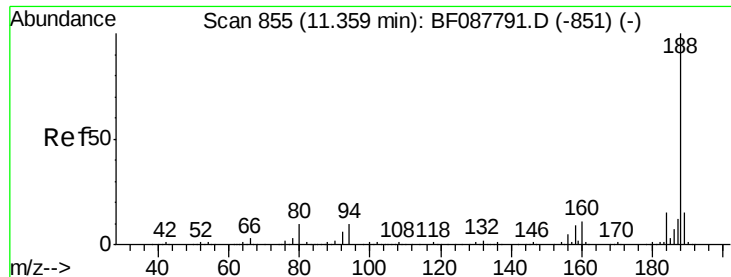


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

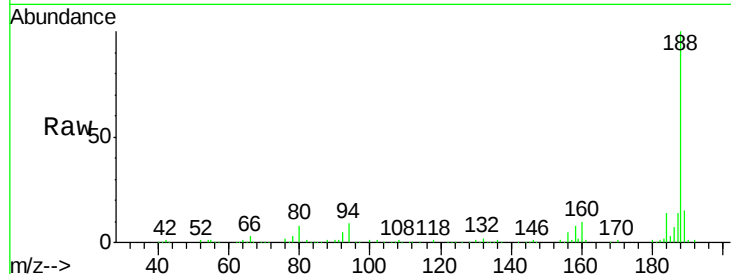




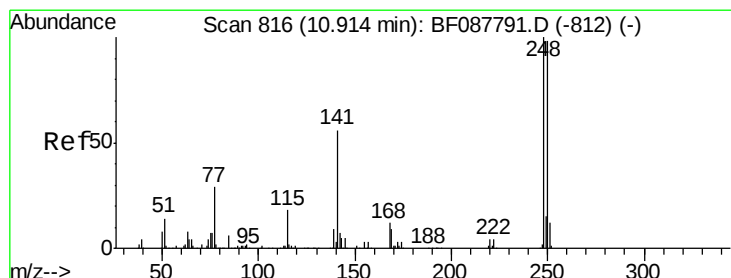
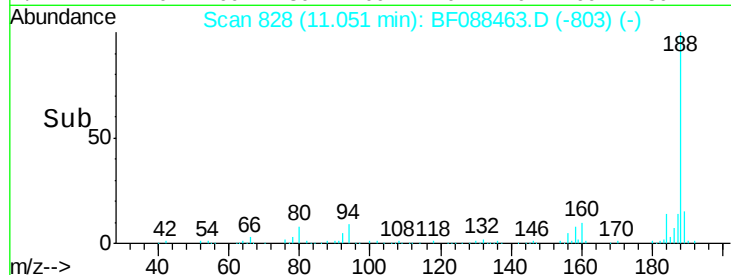
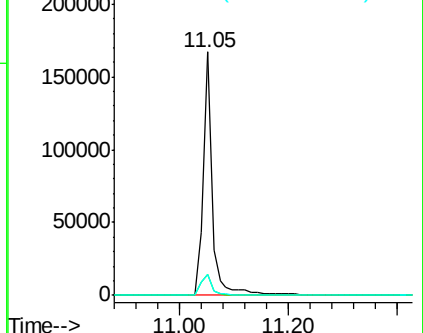
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF088463.D
Acq: 27 Jun 2016 20:54

Instrument :
BNA_F
ClientSampleId :
TEC-COMP-B2C

Tgt Ion:188 Resp: 192841
Ion Ratio Lower Upper
188 100
94 8.6 9.0 13.6#
80 8.3 10.0 15.0#

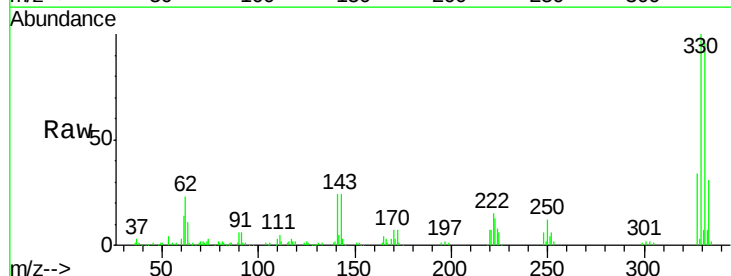


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

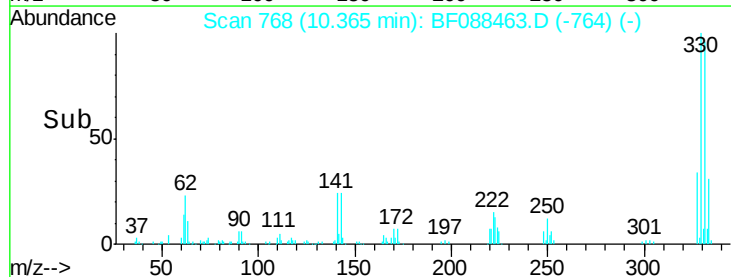
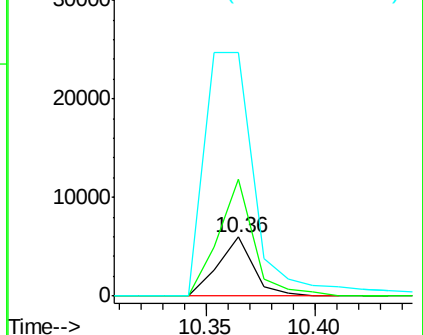


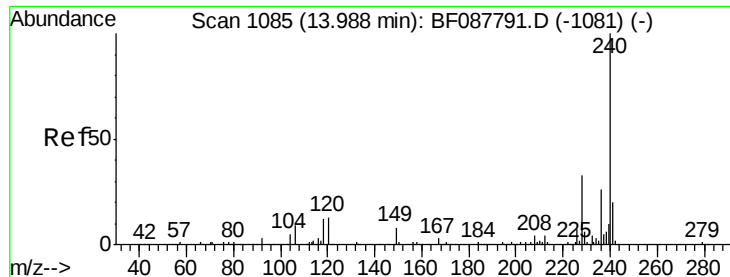
#66
4-Bromophenyl-phenylether
Concen: 3.25 ng
RT: 10.36 min Scan# 768
Delta R.T. -0.25 min
Lab File: BF088463.D
Acq: 27 Jun 2016 20:54

Tgt Ion:248 Resp: 6722
Ion Ratio Lower Upper
248 100
250 197.4 77.1 115.7#
141 412.0 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: 13.68 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BF088463.D

Acq: 27 Jun 2016 20:54

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B2C

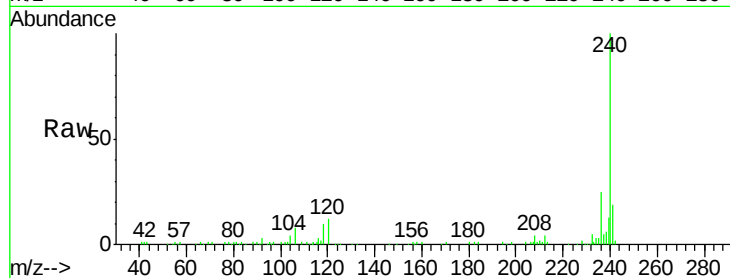
Tgt Ion:240 Resp: 127918

Ion Ratio Lower Upper

240 100

120 11.7 6.8 10.2#

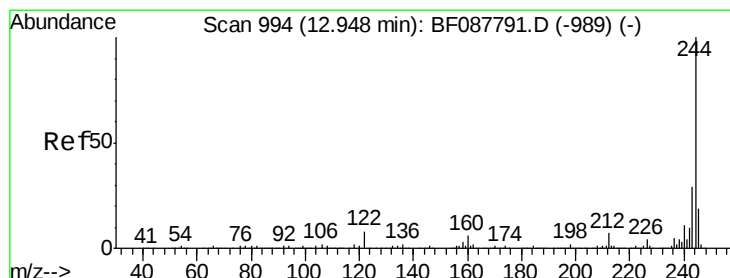
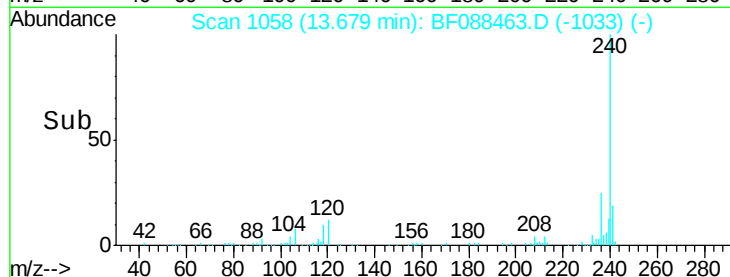
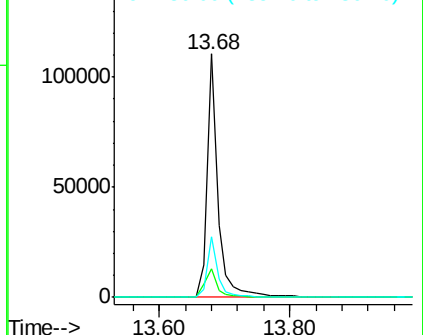
236 25.0 20.2 30.2



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: 69.44 ng

RT: 12.63 min Scan# 966

Delta R.T. -0.01 min

Lab File: BF088463.D

Acq: 27 Jun 2016 20:54

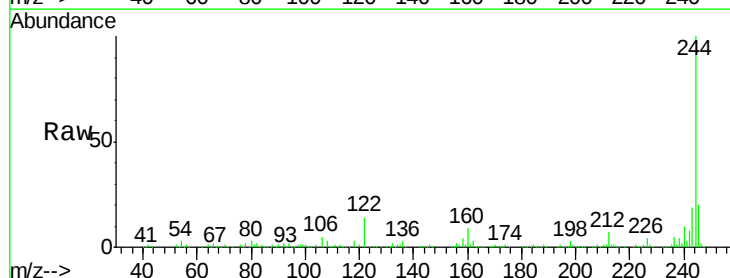
Tgt Ion:244 Resp: 390367

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

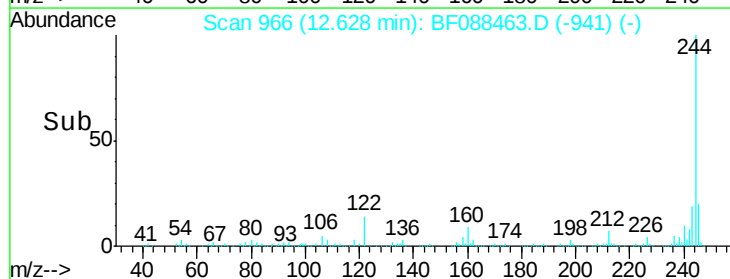
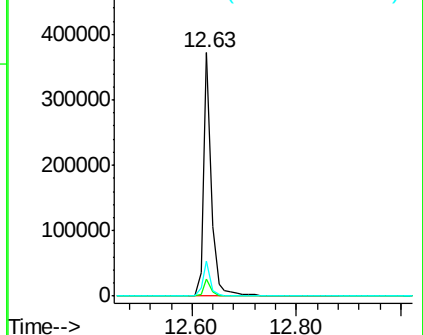
122 14.4 11.2 16.8

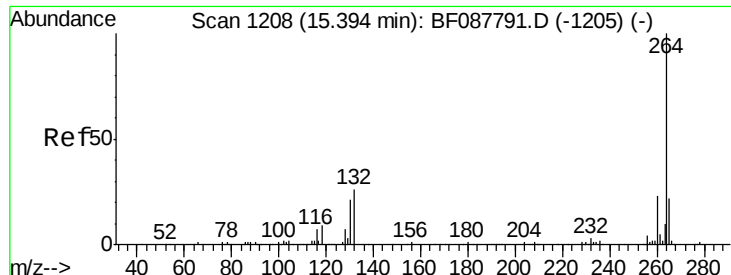


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.03 min Scan# 1176
Delta R.T. -0.01 min
Lab File: BF088463.D
Acq: 27 Jun 2016 20:54

Instrument :
BNA_F
ClientSampleId :
TEC-COMP-B2C

Tgt Ion: 264 Resp: 126761
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 21.4 16.9 25.3

