

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061816\
 Data File : BF088143.D
 Acq On : 18 Jun 2016 19:35
 Operator : UM/SJ
 Sample : H3580-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P8-B6(0-8)C

Quant Time: Jun 19 07:45:55 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

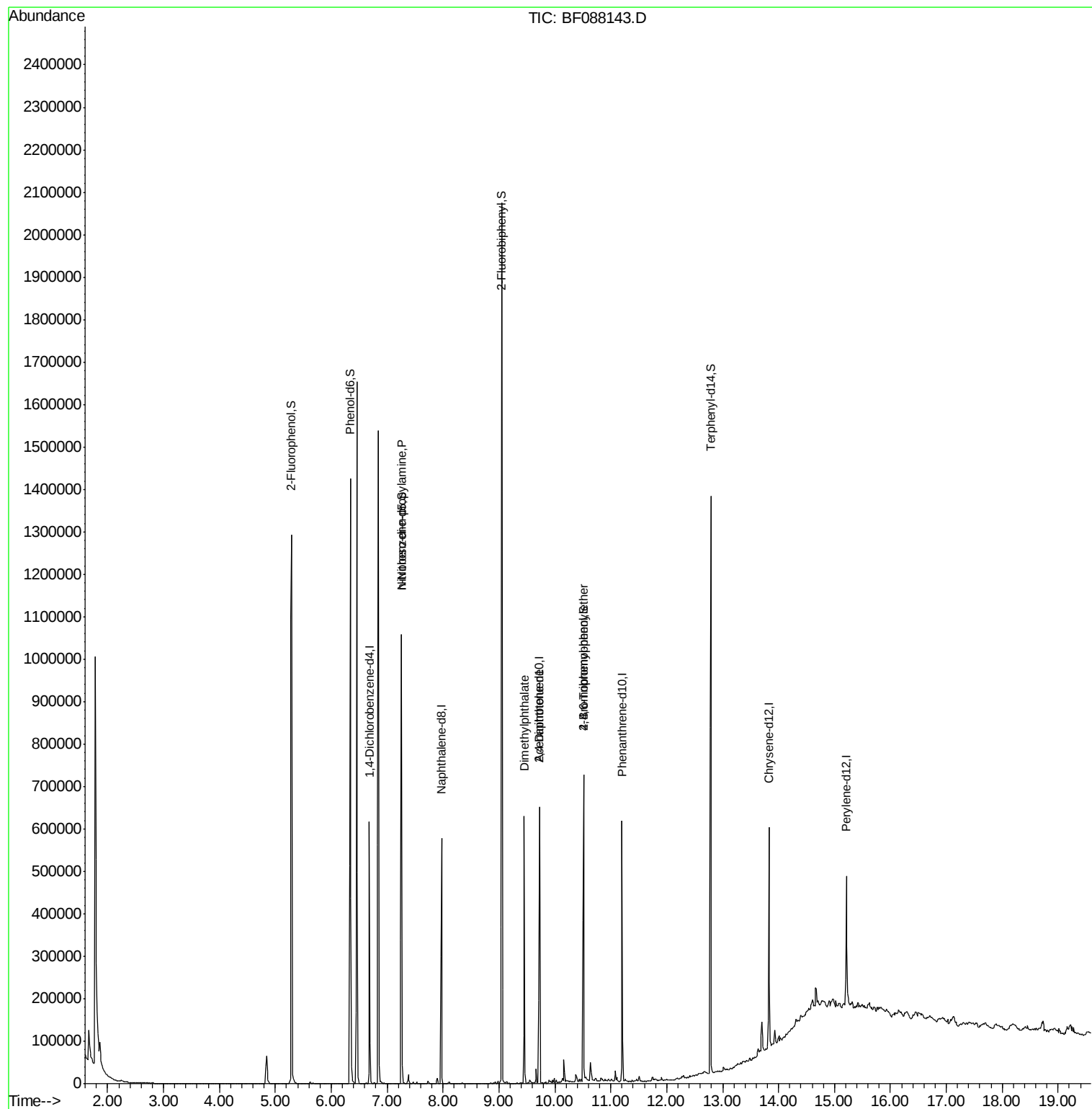
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	90506	20.00	ng	-0.01
21) Naphthalene-d8	7.98	136	325036	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	132034	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	208197	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	168042	20.00	ng	-0.02
86) Perylene-d12	15.21	264	132911	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	553720	104.59	ng	0.01
7) Phenol-d6	6.34	99	589171	91.83	ng	-0.01
23) Nitrobenzene-d5	7.26	82	357139	64.16	ng	-0.02
41) 2,4,6-Tribromophenol	10.51	330	101264	72.64	ng	-0.01
44) 2-Fluorobiphenyl	9.05	172	629008	74.13	ng	-0.02
78) Terphenyl-d14	12.79	244	506733	68.62	ng	-0.01
Target Compounds						
10) Phenol	6.35	94	6793	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.26	70	45624	11.12 ng	#	69
45) 1,1'-Biphenyl	9.05	154	1198	Below Cal	#	1
49) Dimethylphthalate	9.45	163	252841	26.44 ng		99
56) 2,4-Dinitrotoluene	9.72	165	17037	6.05 ng	#	36
57) Fluorene	10.51	166	5052	Below Cal	#	90
66) 4-Bromophenyl-phenylether	10.51	248	6790	3.04 ng	#	1

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

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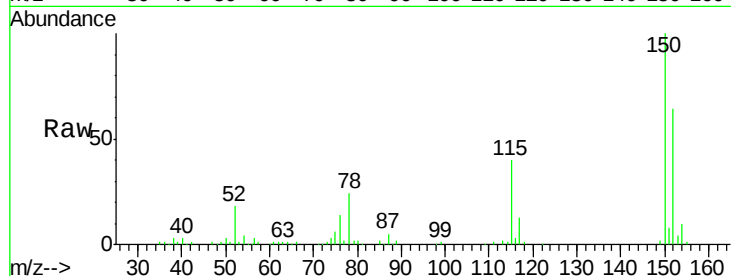




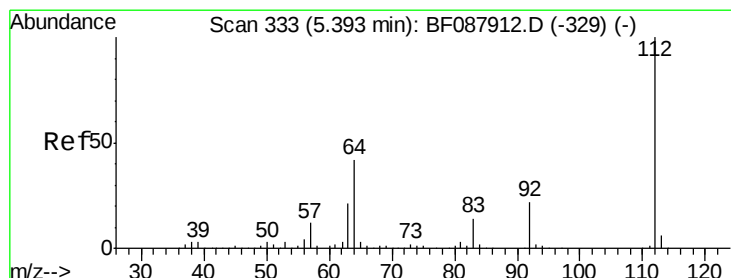
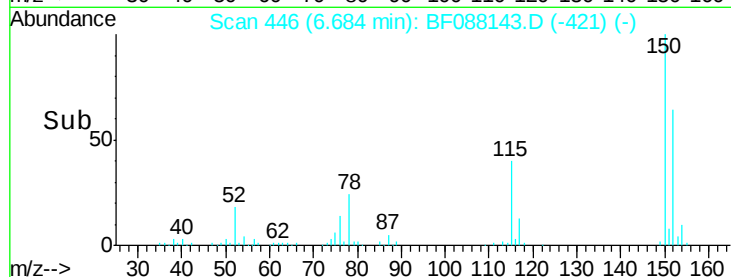
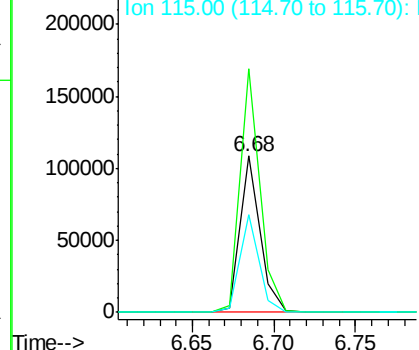
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.68 min Scan# 446
 Delta R.T. -0.01 min
 Lab File: BF088143.D
 Acq: 18 Jun 2016 19:35

Instrument :
 BNA_F
 ClientSampleId :
 P8-B6(0-8)C

Tgt Ion:152 Resp: 90506
 Ion Ratio Lower Upper
 152 100
 150 156.0 123.8 185.6
 115 62.2 39.6 59.4#

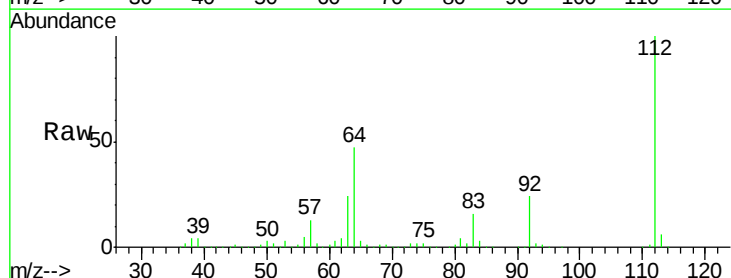


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

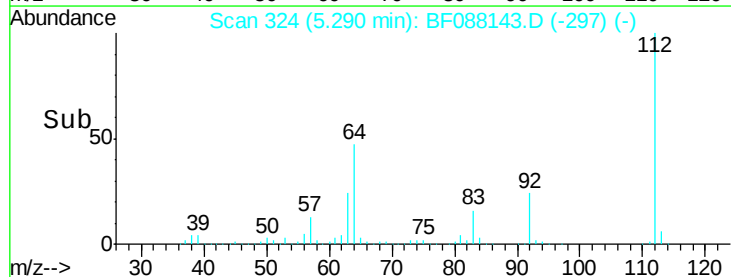
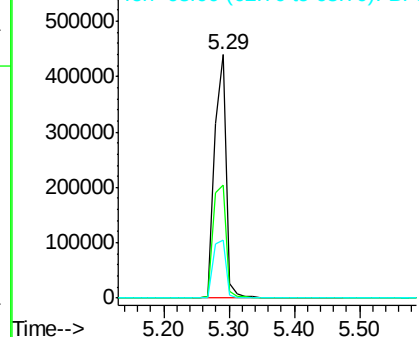


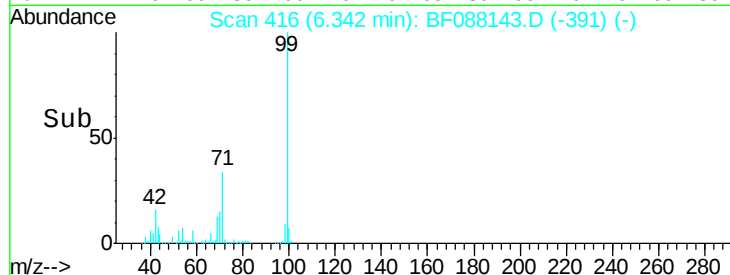
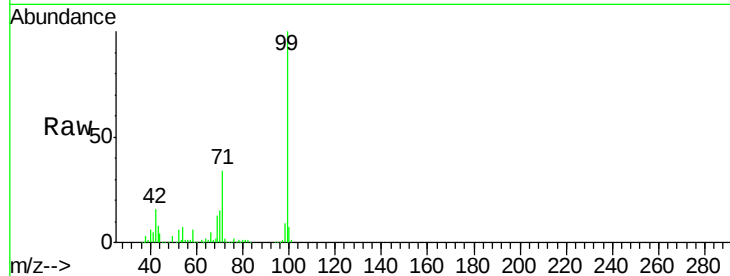
#5
 2-Fluorophenol
 Concen: 104.59 ng
 RT: 5.29 min Scan# 324
 Delta R.T. 0.01 min
 Lab File: BF088143.D
 Acq: 18 Jun 2016 19:35

Tgt Ion:112 Resp: 553720
 Ion Ratio Lower Upper
 112 100
 64 46.6 42.2 63.2
 63 23.7 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: 91.83 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF088143.D

Acq: 18 Jun 2016 19:35

Instrument :

BNA_F

ClientSampleId :

P8-B6(0-8)C

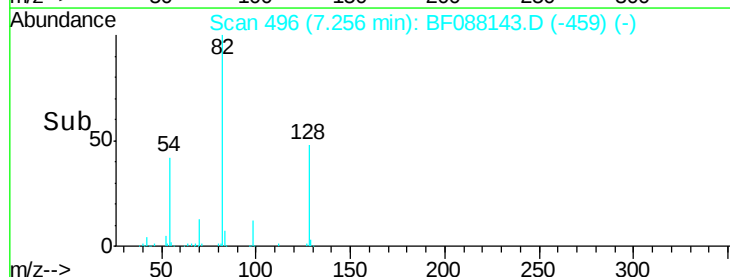
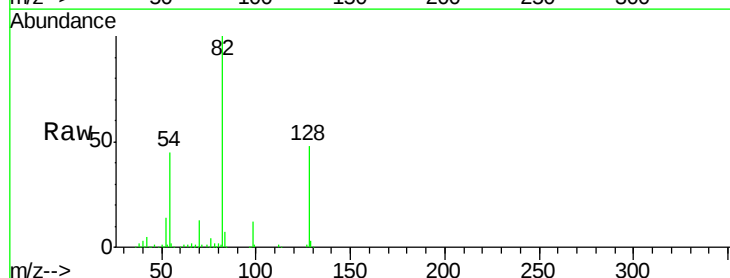
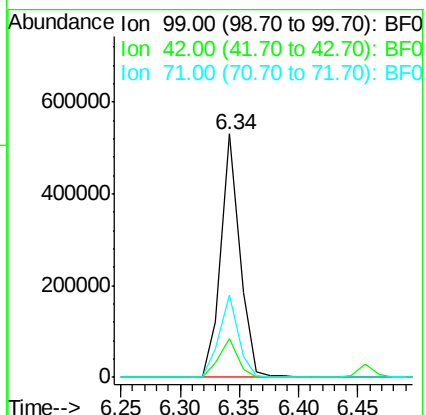
Tgt Ion: 99 Resp: 589171

Ion Ratio Lower Upper

99 100

42 15.9 12.2 18.2

71 34.0 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.12 ng

RT: 7.26 min Scan# 496

Delta R.T. 0.13 min

Lab File: BF088143.D

Acq: 18 Jun 2016 19:35

Tgt Ion: 70 Resp: 45624

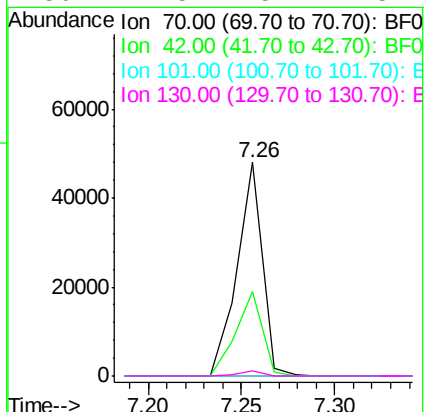
Ion Ratio Lower Upper

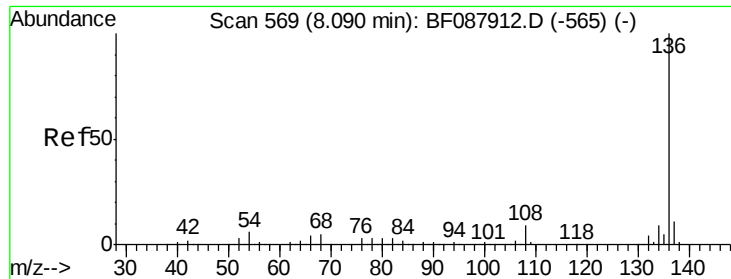
70 100

42 39.4 49.6 74.4#

101 0.0 7.1 10.7#

130 2.5 15.4 23.2#

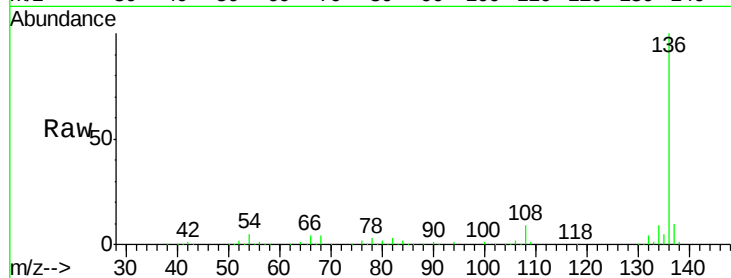




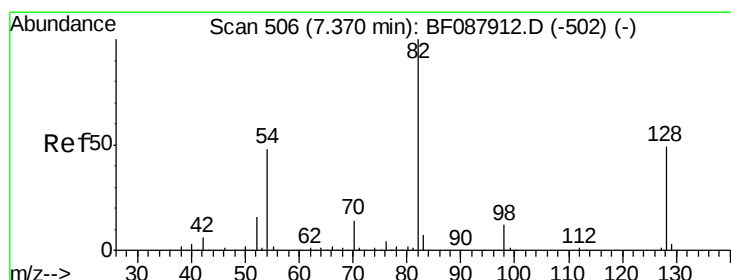
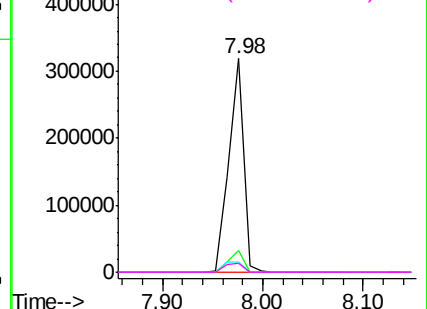
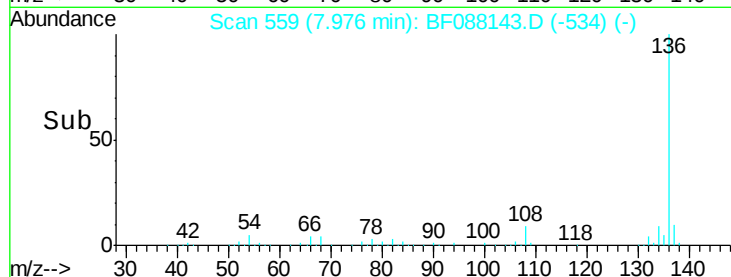
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF088143.D
Acq: 18 Jun 2016 19:35

Instrument :
BNA_F
ClientSampleId :
P8-B6(0-8)C

Tgt Ion:	136	Resp:	325036
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.1	13.7
54	5.0	6.6	10.0#
68	4.4	5.1	7.7#

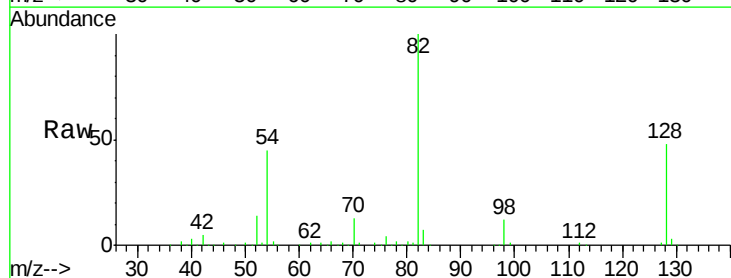


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

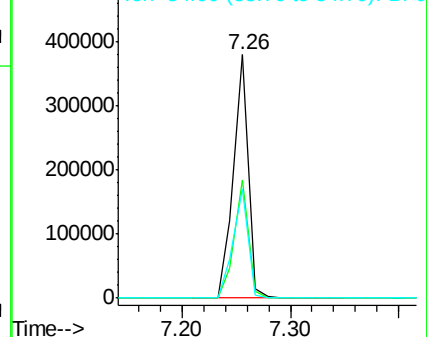
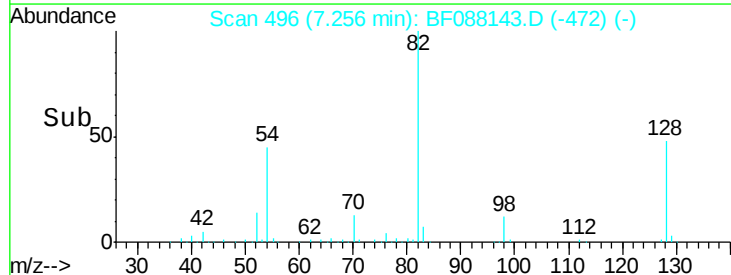


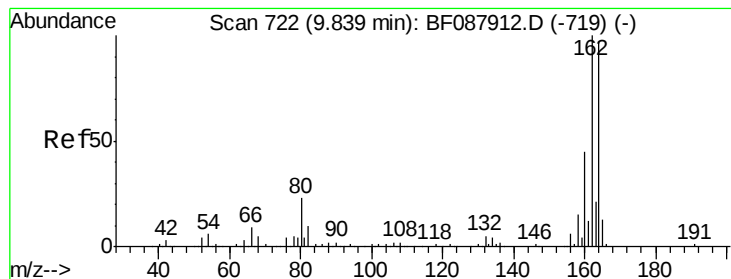
#23
Nitrobenzene-d5
Concen: 64.16 ng
RT: 7.26 min Scan# 496
Delta R.T. -0.02 min
Lab File: BF088143.D
Acq: 18 Jun 2016 19:35

Tgt Ion:	82	Resp:	357139
Ion	Ratio	Lower	Upper
82	100		
128	48.5	35.9	53.9
54	44.6	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: BF088143.D

Acq: 18 Jun 2016 19:35

Instrument :

BNA_F

ClientSampleId :

P8-B6(0-8)C

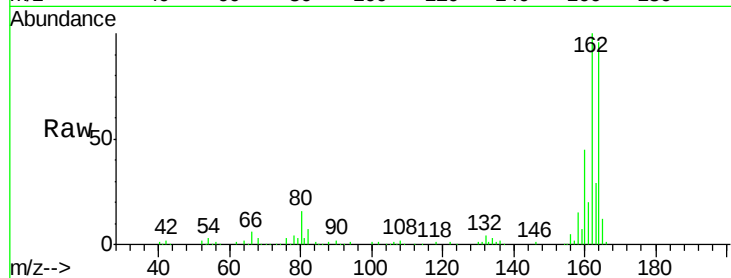
Tgt Ion:164 Resp: 132034

Ion Ratio Lower Upper

164 100

162 104.0 85.4 128.2

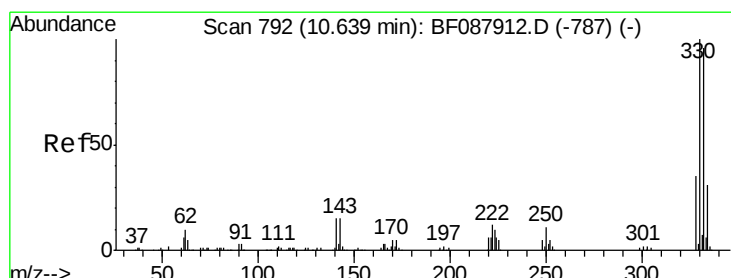
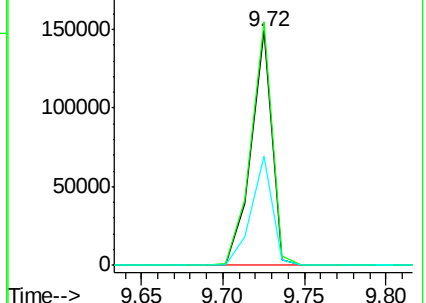
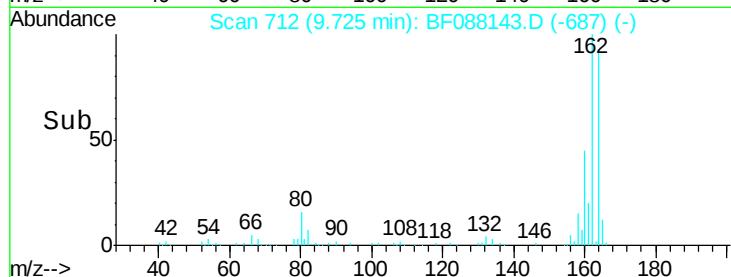
160 46.6 39.5 59.3



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: 72.64 ng

RT: 10.51 min Scan# 781

Delta R.T. -0.01 min

Lab File: BF088143.D

Acq: 18 Jun 2016 19:35

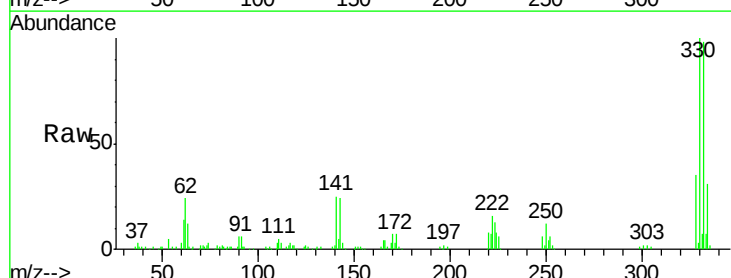
Tgt Ion:330 Resp: 101264

Ion Ratio Lower Upper

330 100

332 97.8 0.0 0.0#

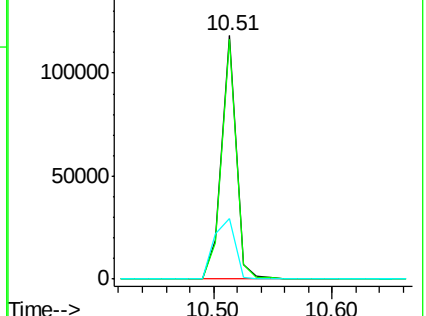
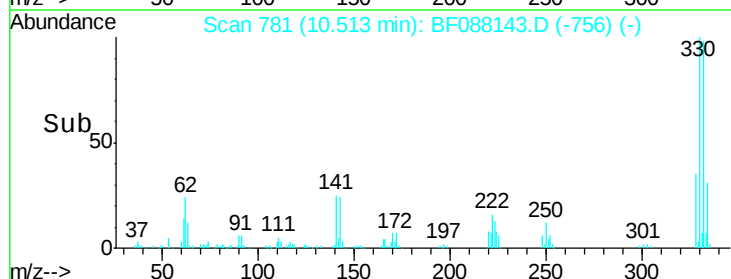
141 35.9 0.0 0.0#

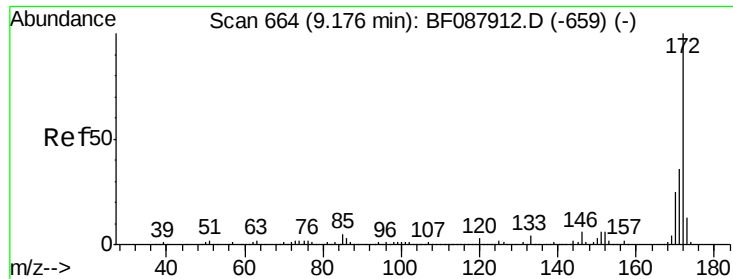


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

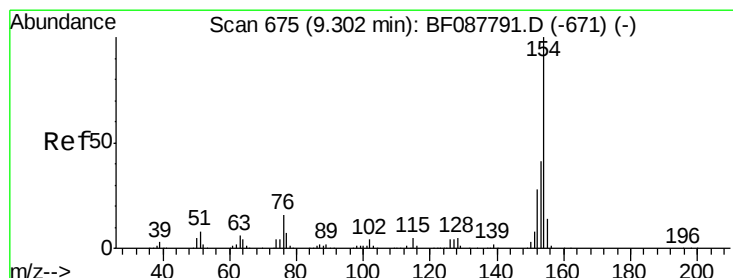
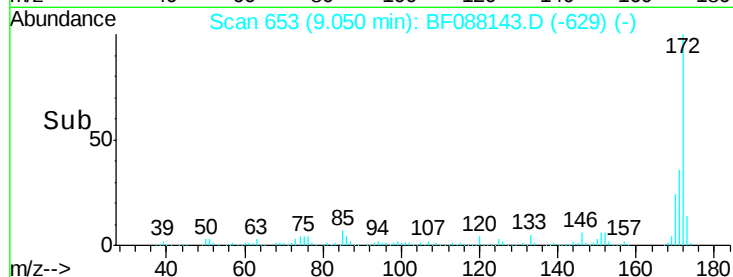
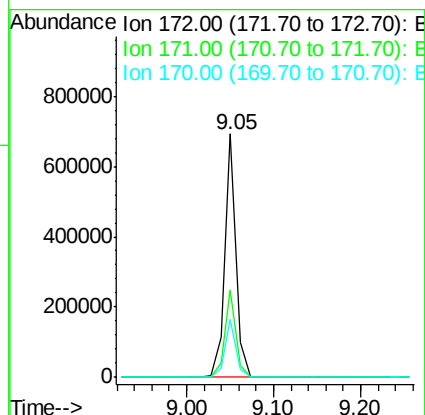
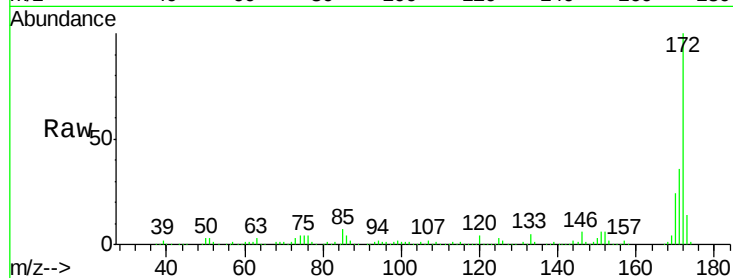




#44
 2-Fluorobiphenyl
 Concen: 74.13 ng
 RT: 9.05 min Scan# 653
 Delta R.T. -0.02 min
 Lab File: BF088143.D
 Acq: 18 Jun 2016 19:35

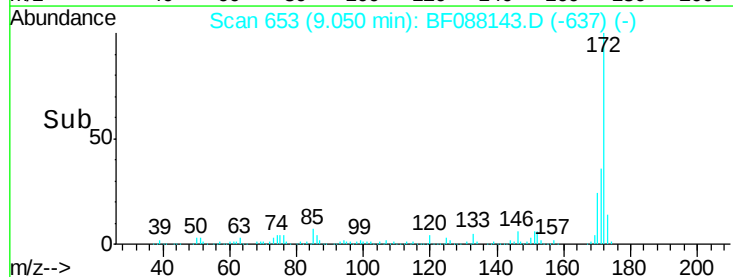
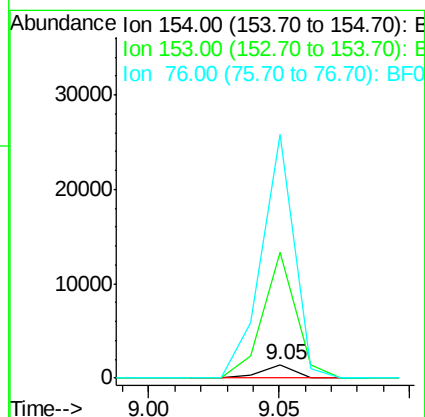
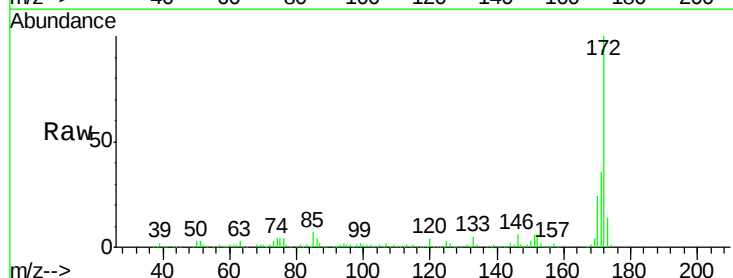
Instrument :
 BNA_F
 ClientSampleId :
 P8-B6(0-8)C

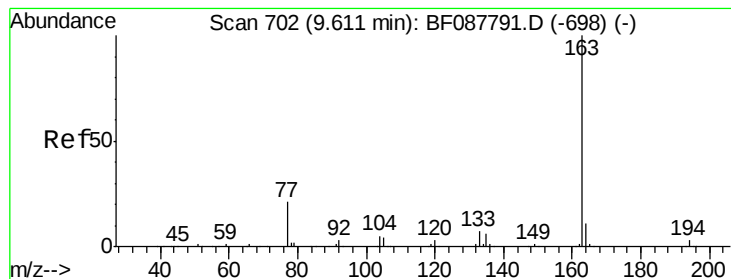
Tgt Ion:172 Resp: 629008
 Ion Ratio Lower Upper
 172 100
 171 35.9 28.6 43.0
 170 24.1 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.05 min Scan# 653
 Delta R.T. -0.11 min
 Lab File: BF088143.D
 Acq: 18 Jun 2016 19:35

Tgt Ion:154 Resp: 1198
 Ion Ratio Lower Upper
 154 100
 153 941.2 20.6 60.6#
 76 1822.0 0.0 35.1#





#49

Dimethylphthalate

Concen: 26.44 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.02 min

Lab File: BF088143.D

Acq: 18 Jun 2016 19:35

Instrument :

BNA_F

ClientSampleId :

P8-B6(0-8)C

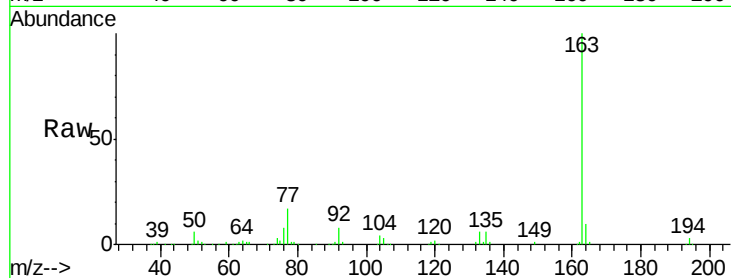
Tgt Ion:163 Resp: 252841

Ion Ratio Lower Upper

163 100

194 3.4 2.8 4.2

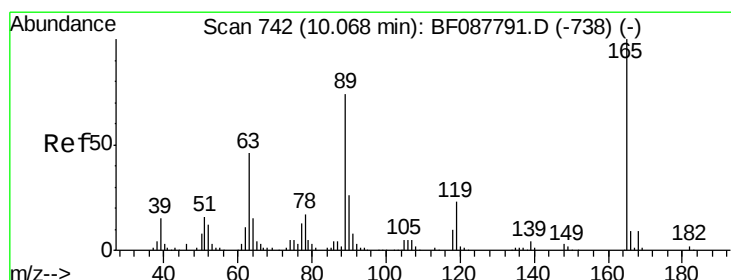
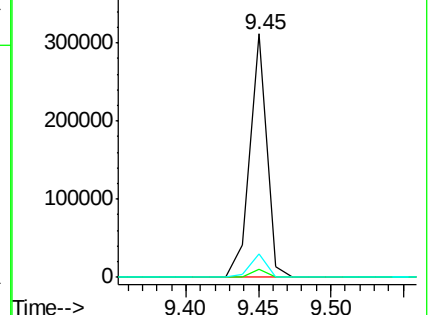
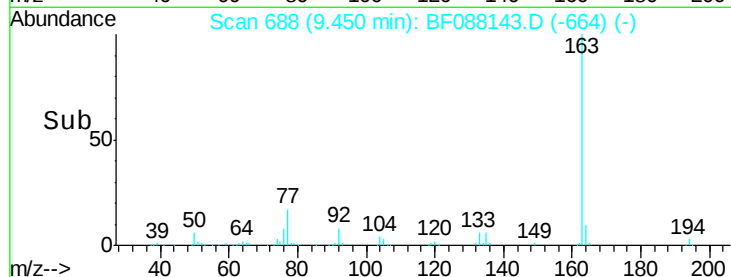
164 9.8 8.3 12.5



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: 6.05 ng

RT: 9.72 min Scan# 712

Delta R.T. -0.22 min

Lab File: BF088143.D

Acq: 18 Jun 2016 19:35

Tgt Ion:165 Resp: 17037

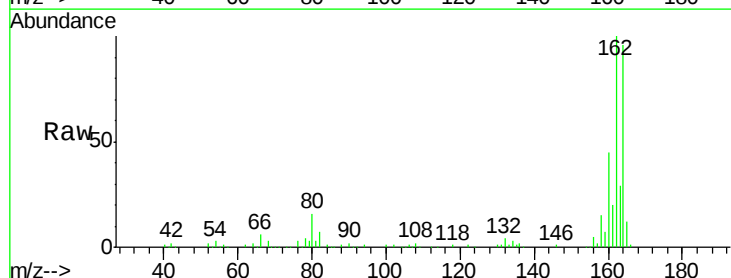
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

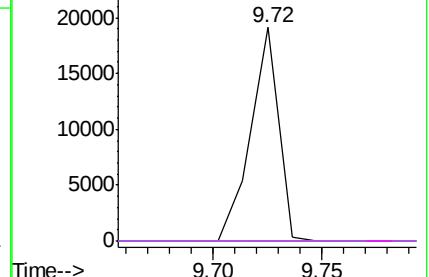
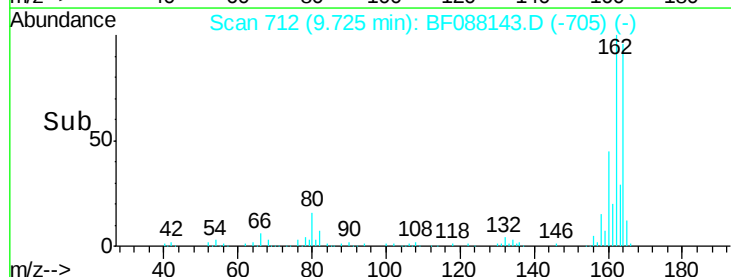


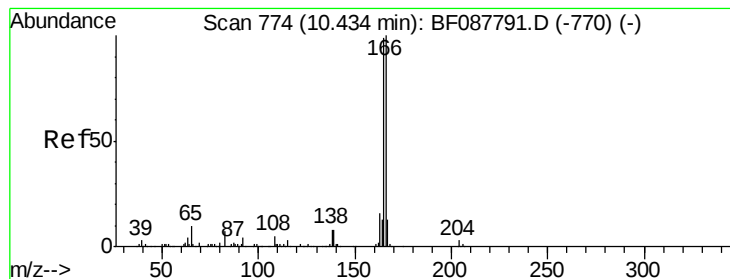
Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.51 min Scan# 781

Delta R.T. 0.23 min

Lab File: BF088143.D

Acq: 18 Jun 2016 19:35

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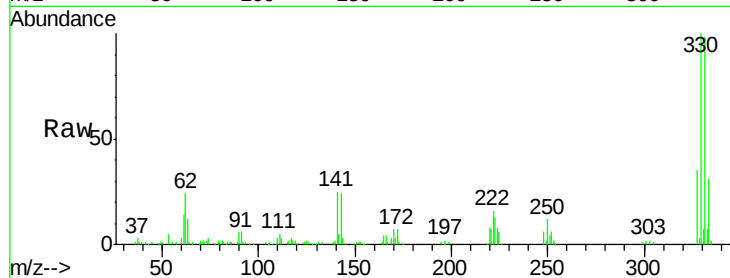
Tgt Ion:166 Resp: 5052

Ion Ratio Lower Upper

166 100

165 100.9 77.8 116.8

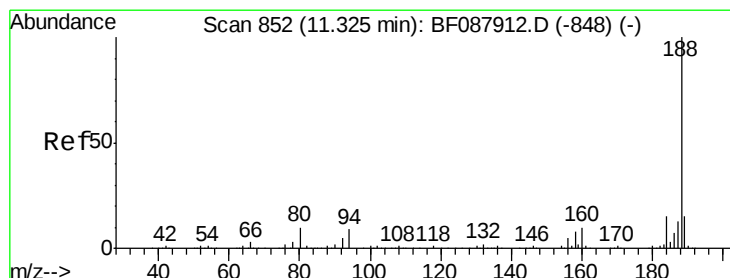
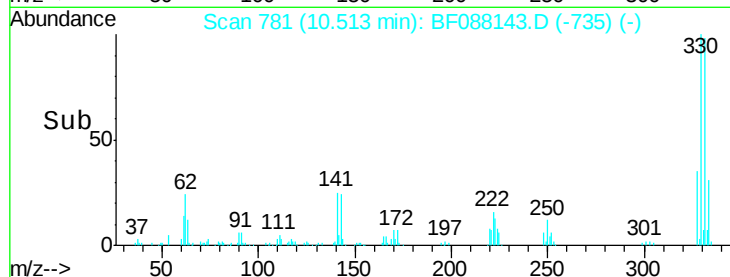
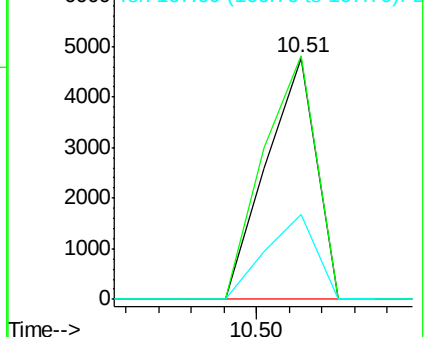
167 35.4 11.2 16.8#



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: BF088143.D

Acq: 18 Jun 2016 19:35

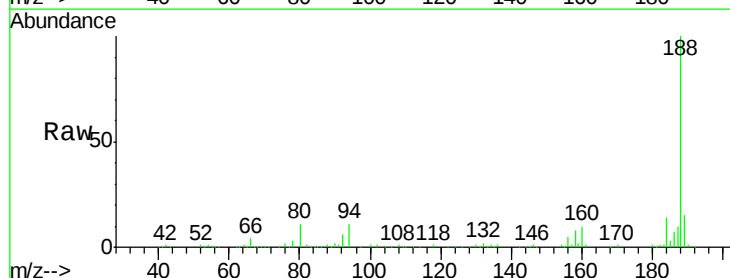
Tgt Ion:188 Resp: 208197

Ion Ratio Lower Upper

188 100

94 10.7 9.0 13.6

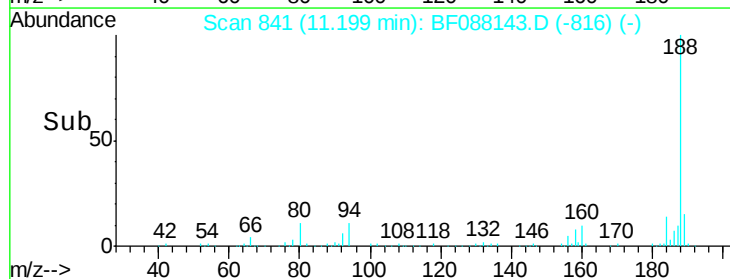
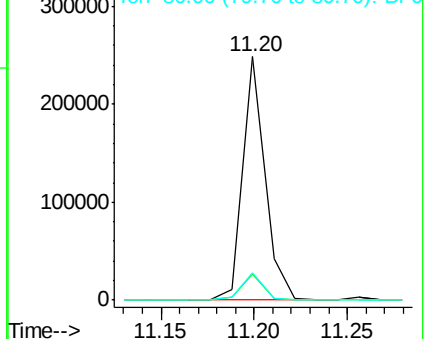
80 11.3 10.0 15.0

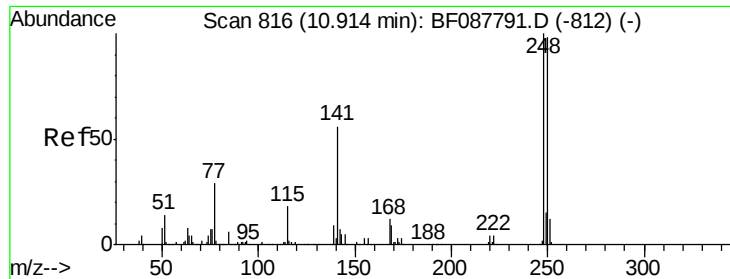


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 3.04 ng

RT: 10.51 min Scan# 781

Delta R.T. -0.25 min

Lab File: BF088143.D

Acq: 18 Jun 2016 19:35

Instrument :

BNA_F

ClientSampleId :

P8-B6(0-8)C

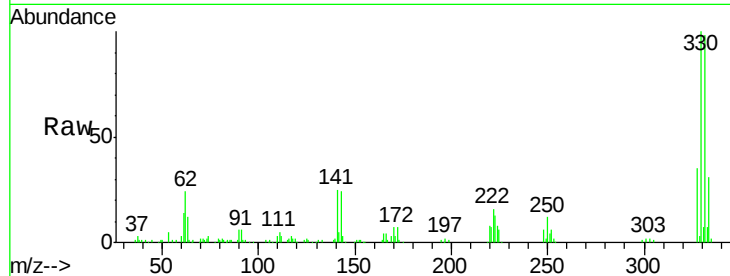
Tgt Ion:248 Resp: 6790

Ion Ratio Lower Upper

248 100

250 199.9 77.1 115.7#

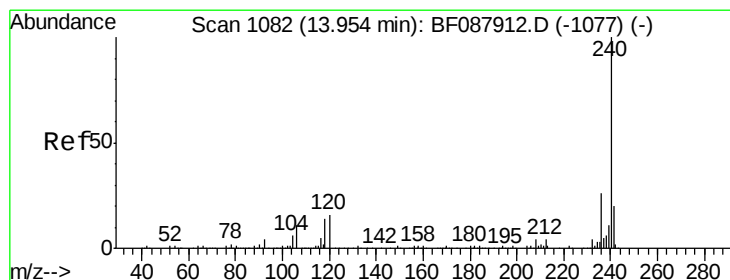
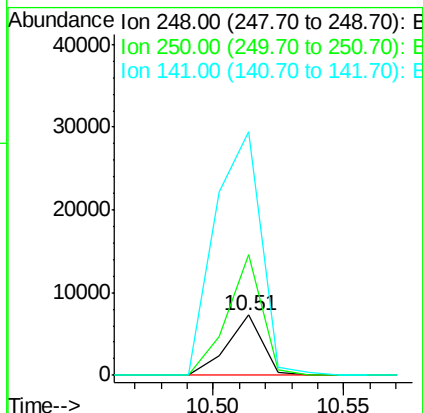
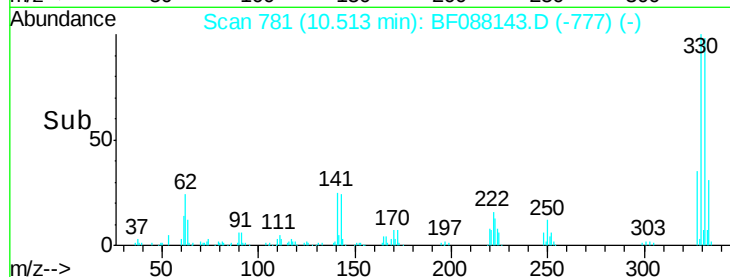
141 404.1 50.6 76.0#



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: 13.83 min Scan# 1071

Delta R.T. -0.02 min

Lab File: BF088143.D

Acq: 18 Jun 2016 19:35

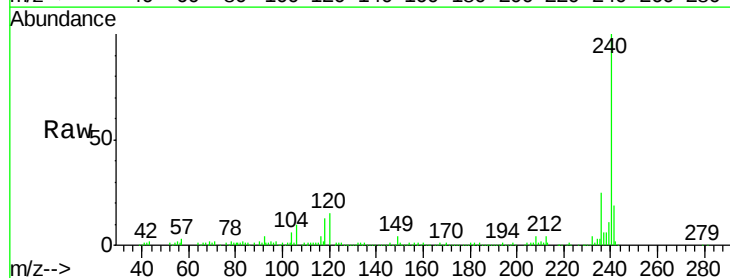
Tgt Ion:240 Resp: 168042

Ion Ratio Lower Upper

240 100

120 15.0 6.8 10.2#

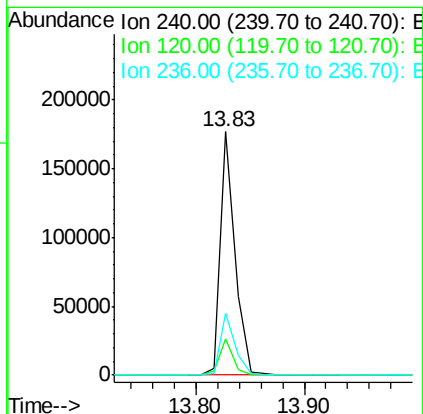
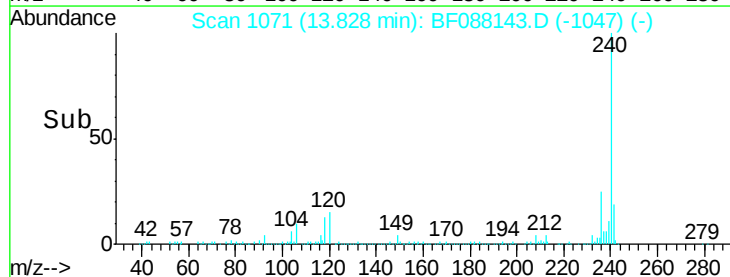
236 25.3 20.2 30.2

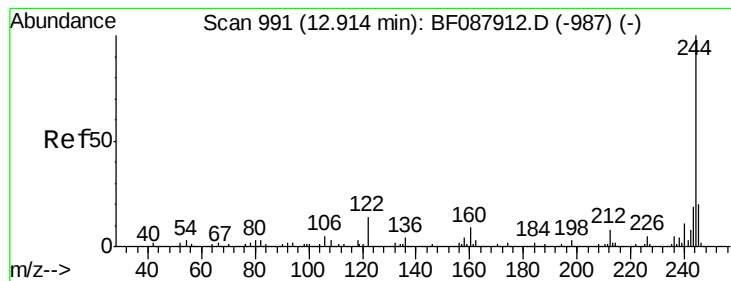


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 68.62 ng

RT: 12.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF088143.D

Acq: 18 Jun 2016 19:35

Instrument :

BNA_F

ClientSampleId :

P8-B6(0-8)C

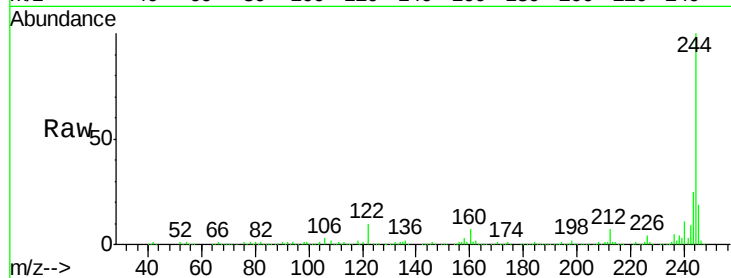
Tgt Ion:244 Resp: 506733

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

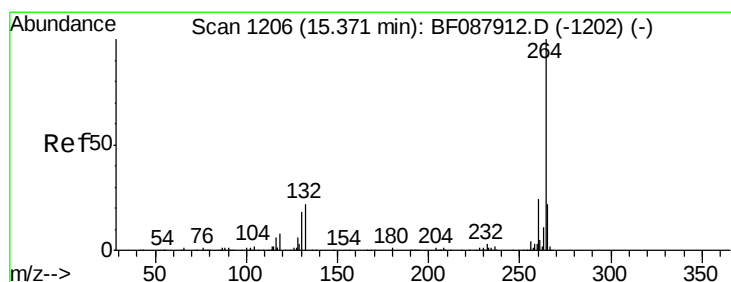
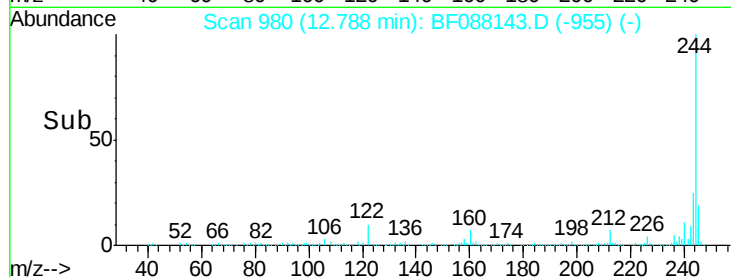
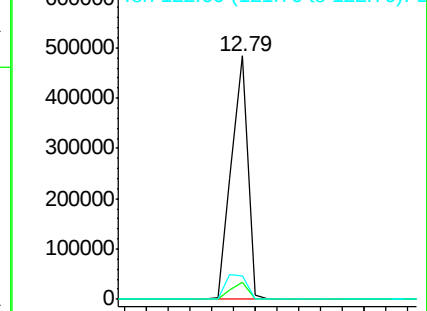
122 9.6 11.2 16.8#



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: BF088143.D

Acq: 18 Jun 2016 19:35

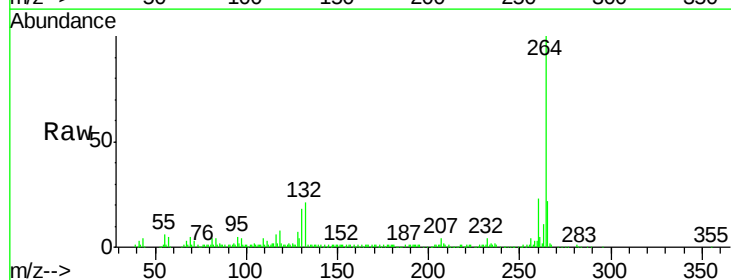
Tgt Ion:264 Resp: 132911

Ion Ratio Lower Upper

264 100

260 22.8 19.2 28.8

265 21.8 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

