

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
 Data File : BF088439.D
 Acq On : 27 Jun 2016 6:02
 Operator : UM/SJ
 Sample : PB91573BL
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB91573BL

Quant Time: Jun 27 08:15:00 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 04:27:12 2016
 Response via : Initial Calibration

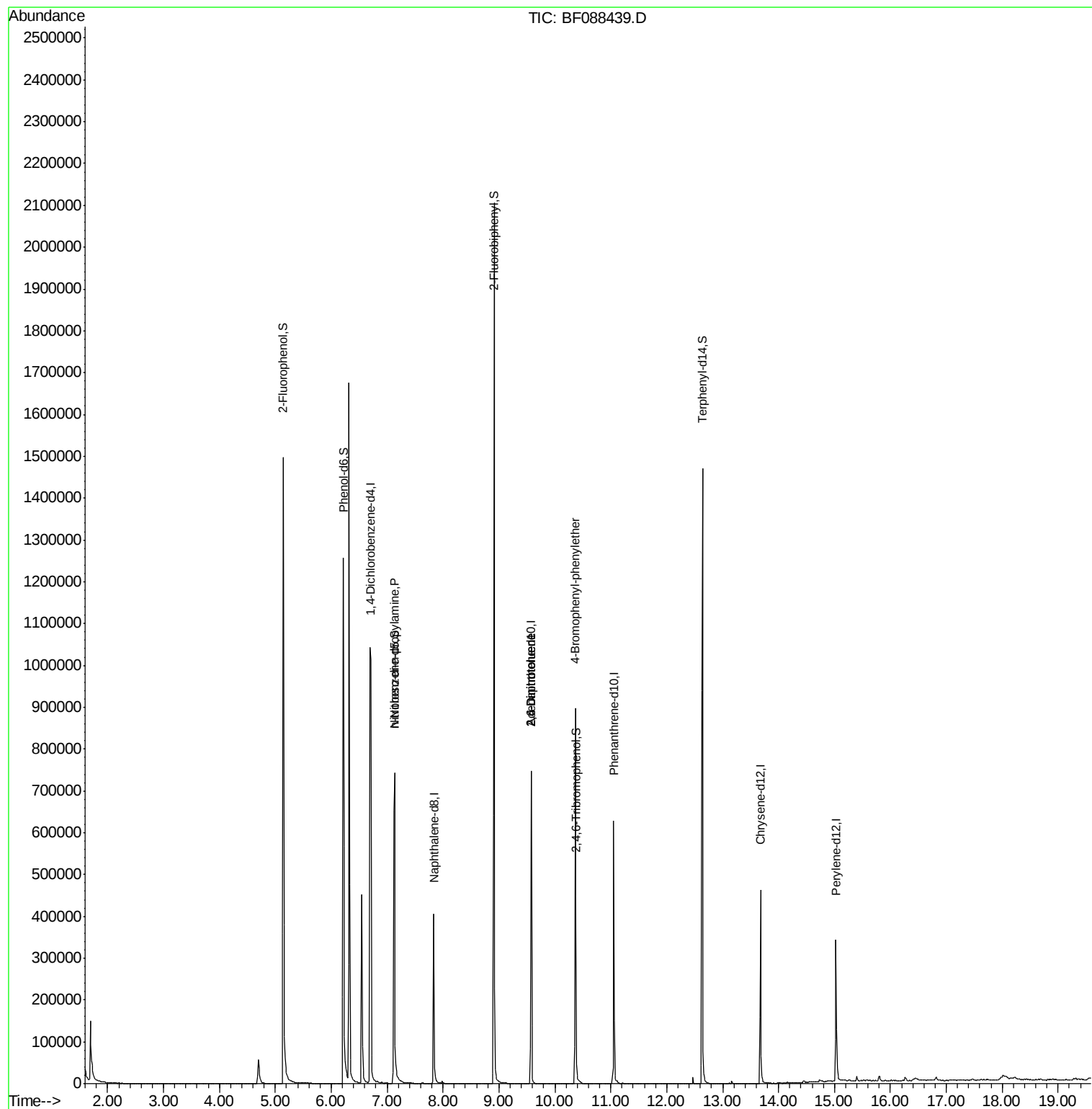
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	278645	20.00	ng	-0.14
21) Naphthalene-d8	7.84	136	330457	20.00	ng	-0.29
38) Acenaphthene-d10	9.58	164	151878	20.00	ng	-0.31
63) Phenanthrene-d10	11.05	188	254655	20.00	ng	-0.31
75) Chrysene-d12	13.68	240	190034	20.00	ng	-0.31
86) Perylene-d12	15.03	264	154338	20.00	ng	-0.37
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	564373	34.63	ng	-0.29
7) Phenol-d6	6.22	99	655616	33.19	ng	-0.26
23) Nitrobenzene-d5	7.13	82	426832	75.42	ng	-0.29
41) 2,4,6-Tribromophenol	10.38	330	145666	90.83	ng	-0.30
44) 2-Fluorobiphenyl	8.91	172	745478	76.56	ng	-0.30
78) Terphenyl-d14	12.64	244	616261	73.79	ng	-0.31
Target Compounds						
10) Phenol	6.32	94	841	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.13	70	53650	4.25	ng	# 67
45) 1,1'-Biphenyl	8.91	154	1396	Below Cal	#	1
50) 2,6-Dinitrotoluene	9.58	165	19548	7.76	ng	# 37
56) 2,4-Dinitrotoluene	9.58	165	19549	6.04	ng	# 36
66) 4-Bromophenyl-phenylether	10.36	248	8407	3.08	ng	# 1

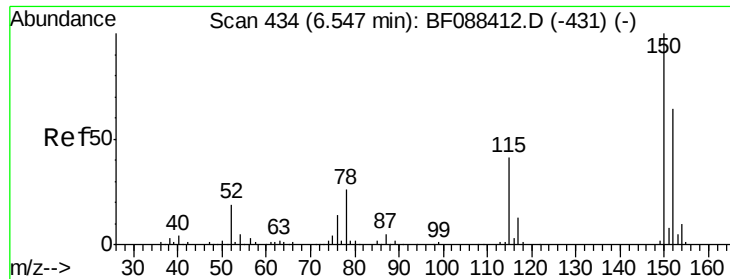
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jun 27 04:27:12 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.71 min Scan# 448

Delta R.T. -0.14 min

Lab File: BF088439.D

Acq: 27 Jun 2016 6:02

Instrument :

BNA_F

ClientSampleId :

PB91573BL

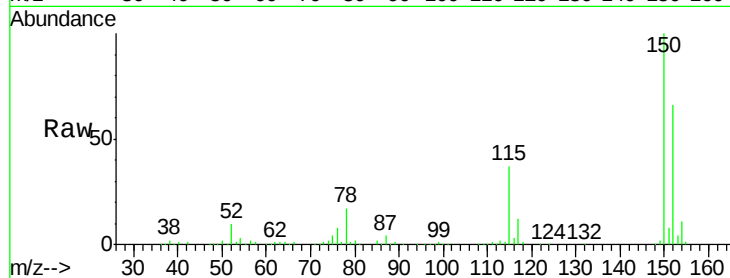
Tot Ion:152 Resp: 278645

Ion Ratio Lower Upper

152 100

150 152.5 123.8 185.6

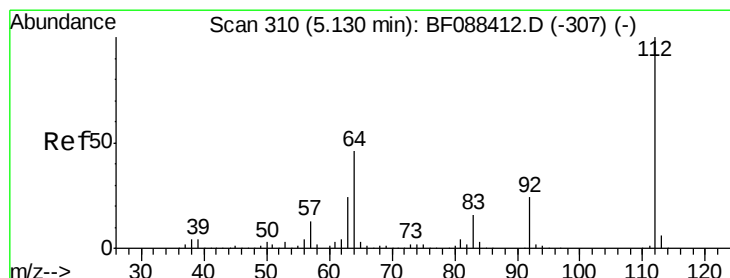
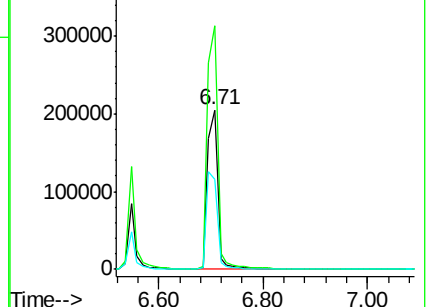
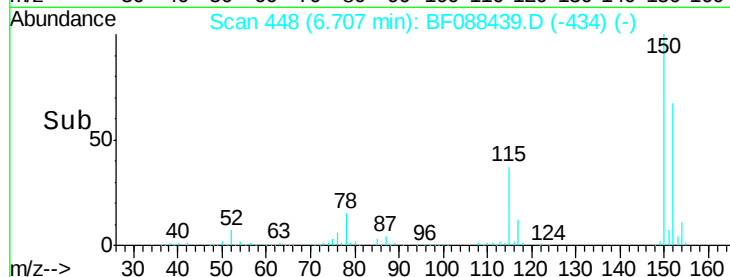
115 56.1 39.6 59.4



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: 34.63 ng

RT: 5.14 min Scan# 311

Delta R.T. -0.29 min

Lab File: BF088439.D

Acq: 27 Jun 2016 6:02

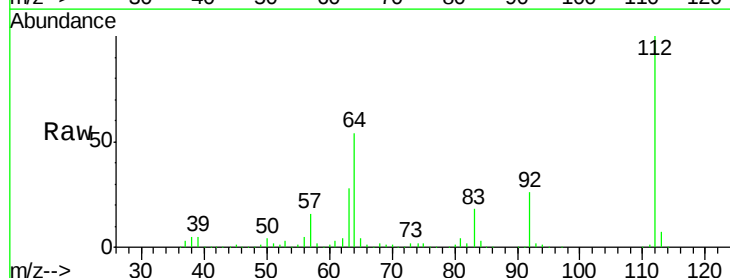
Tgt Ion:112 Resp: 564373

Ion Ratio Lower Upper

112 100

64 53.5 42.2 63.2

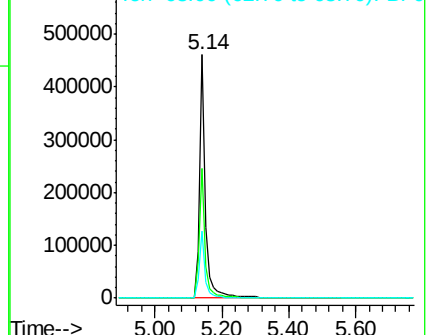
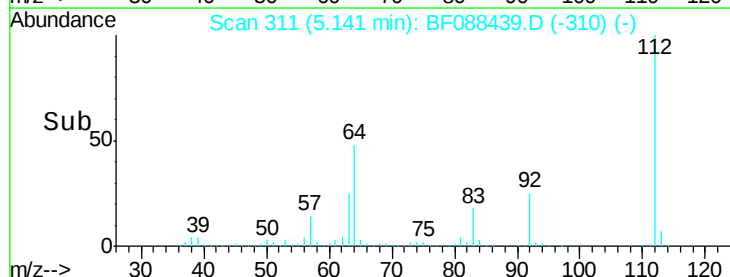
63 27.7 21.8 32.8

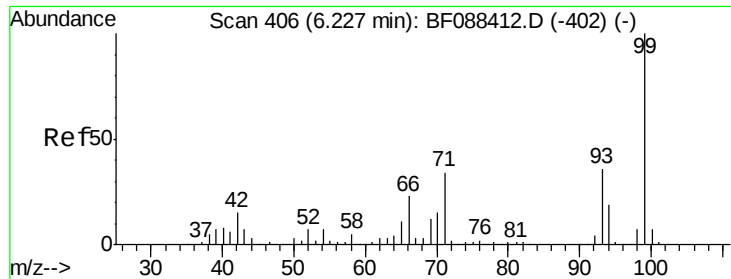


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 33.19 ng

RT: 6.22 min Scan# 405

Delta R.T. -0.26 min

Lab File: BF088439.D

Acq: 27 Jun 2016 6:02

Instrument :

BNA_F

ClientSampleId :

PB91573BL

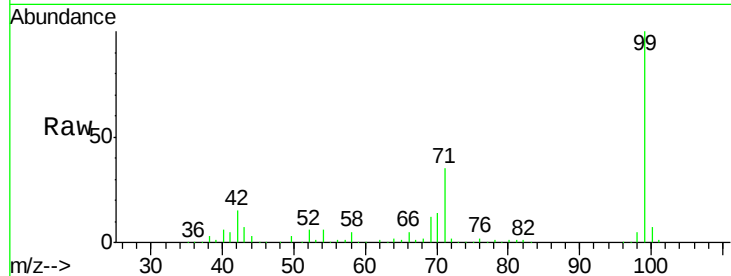
Tot Ion: 99 Resp: 655616

Ion Ratio Lower Upper

99 100

42 15.1 12.2 18.2

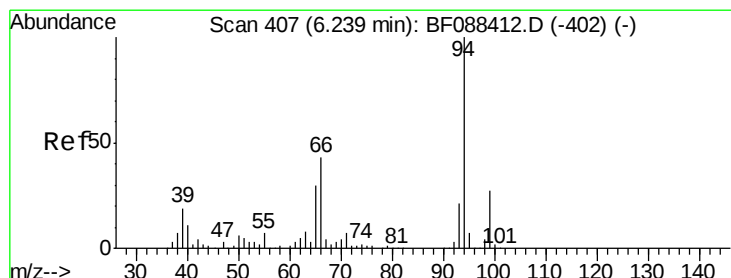
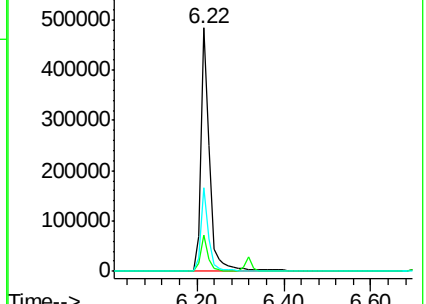
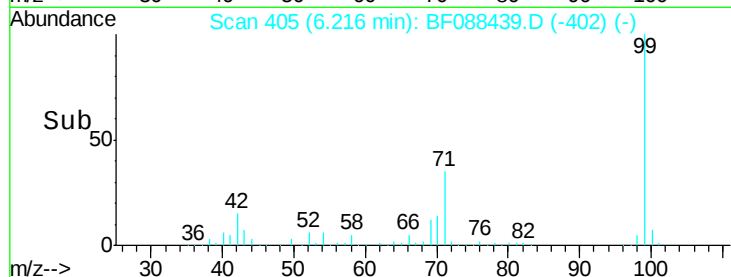
71 34.5 23.4 35.0



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: 6.32 min Scan# 414

Delta R.T. -0.17 min

Lab File: BF088439.D

Acq: 27 Jun 2016 6:02

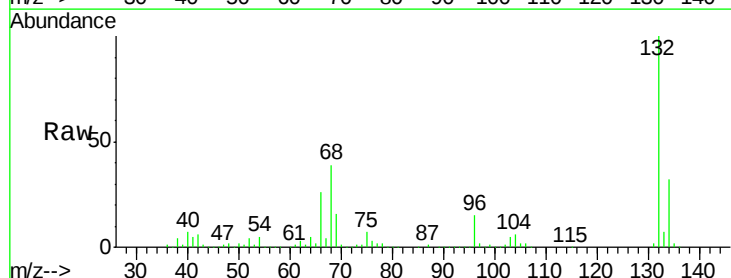
Tgt Ion: 94 Resp: 841

Ion Ratio Lower Upper

94 100

65 1128.8 5.9 45.9#

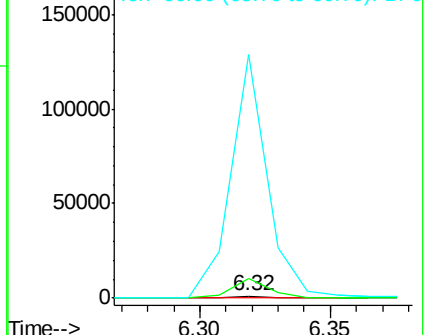
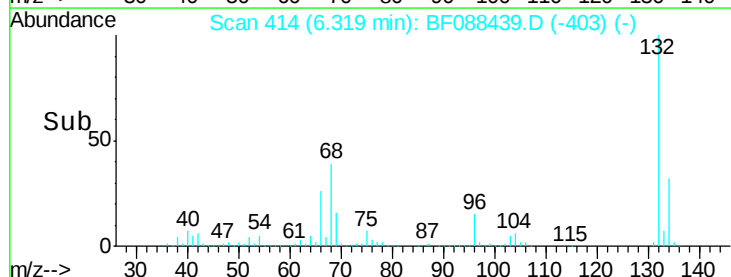
66 14260.9 14.0 54.0#

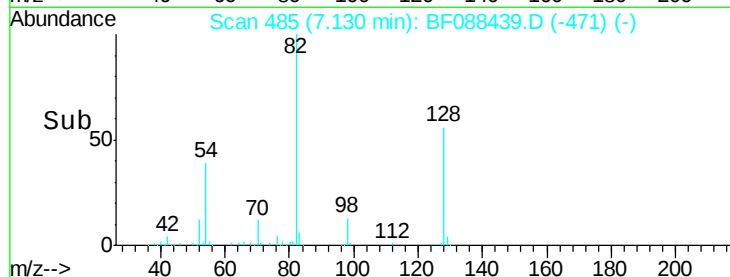
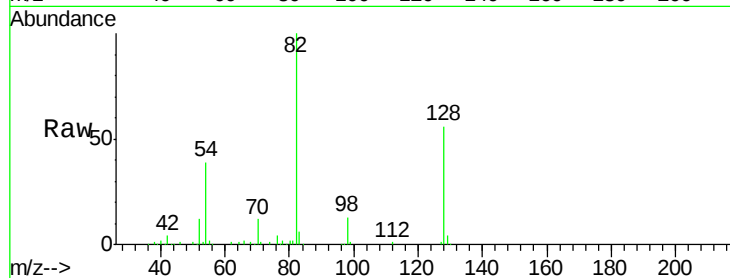
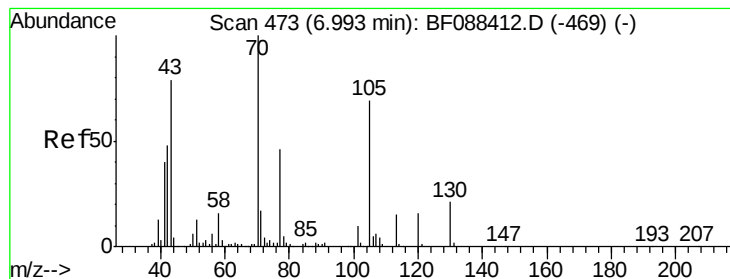


Abundance Ion 94.00 (93.70 to 94.70): BF0

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: 4.25 ng

RT: 7.13 min Scan# 485

Delta R.T. -0.14 min

Lab File: BF088439.D

Acq: 27 Jun 2016 6:02

Instrument :

BNA_F

ClientSampleId :

PB91573BL

Tot Ion: 70 Resp: 53650

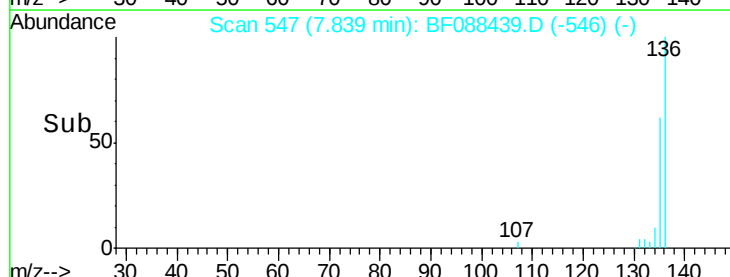
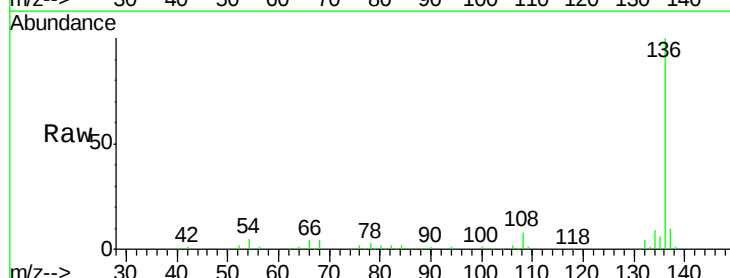
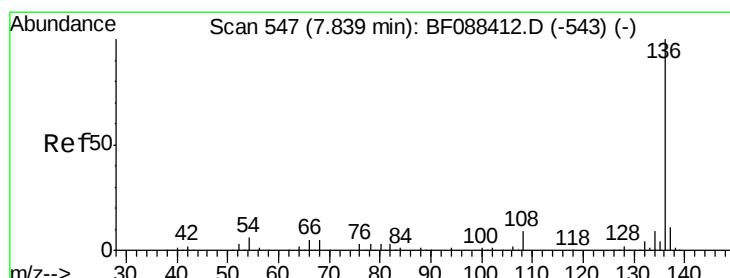
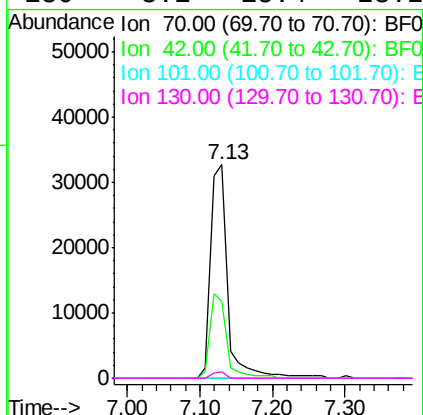
Ion Ratio Lower Upper

70 100

42 36.2 49.6 74.4#

101 0.0 7.1 10.7#

130 3.1 15.4 23.2#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.84 min Scan# 547

Delta R.T. -0.29 min

Lab File: BF088439.D

Acq: 27 Jun 2016 6:02

Tgt Ion: 136 Resp: 330457

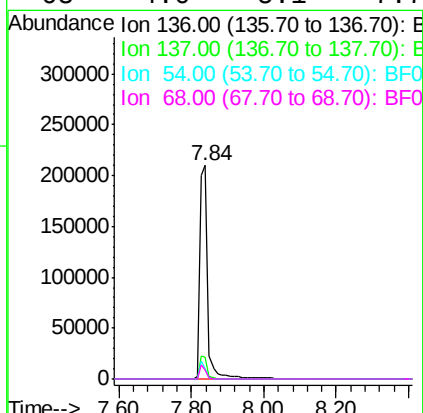
Ion Ratio Lower Upper

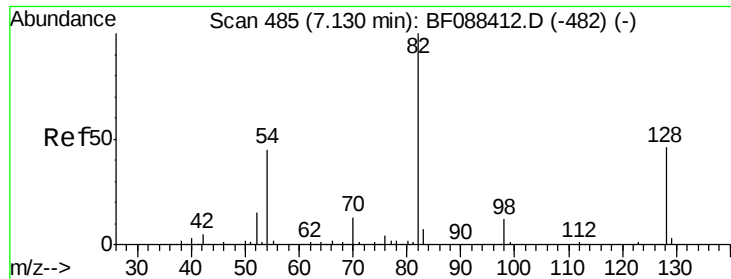
136 100

137 10.5 9.1 13.7

54 4.7 6.6 10.0#

68 4.0 5.1 7.7#

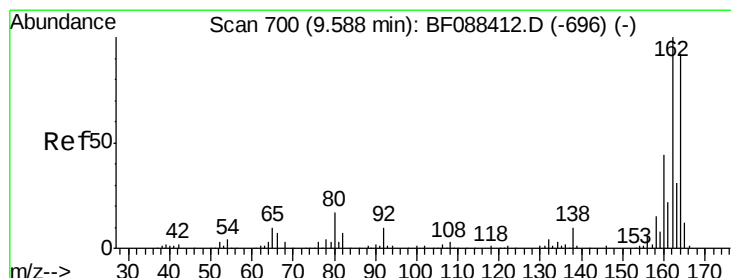
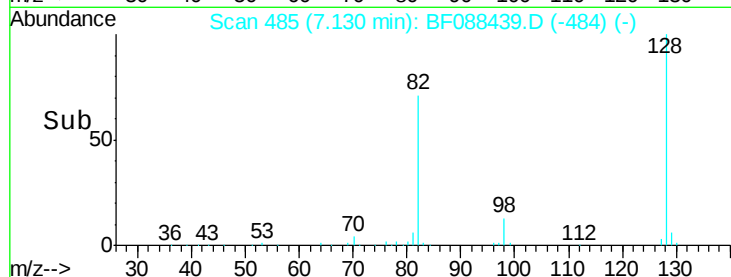
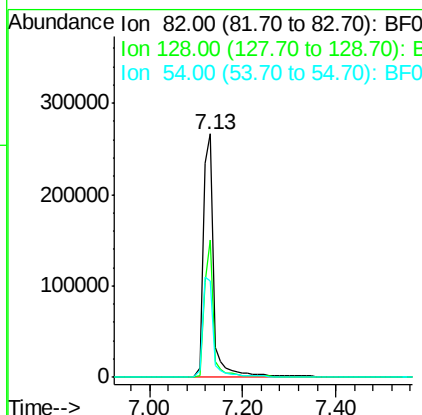
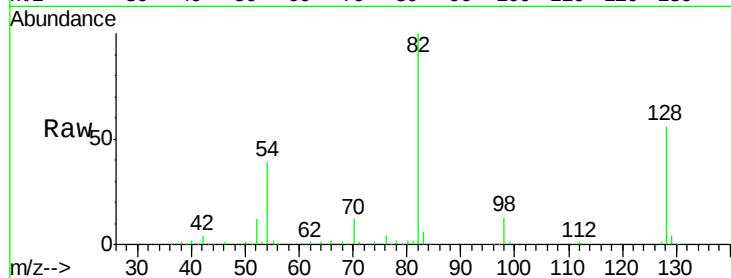




#23
 Nitrobenzene-d5
 Concen: 75.42 ng
 RT: 7.13 min Scan# 485
 Delta R.T. -0.29 min
 Lab File: BF088439.D
 Acq: 27 Jun 2016 6:02

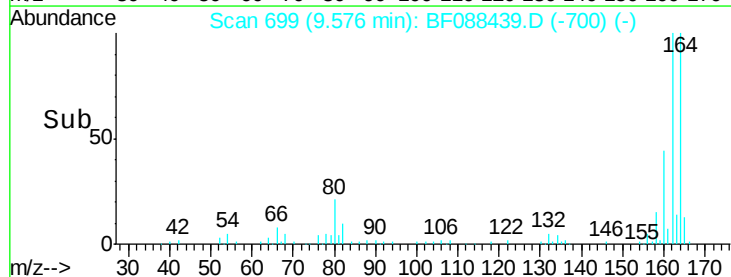
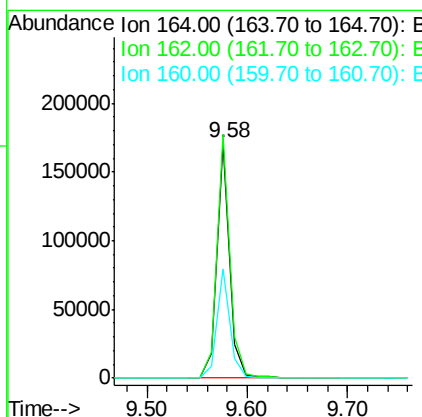
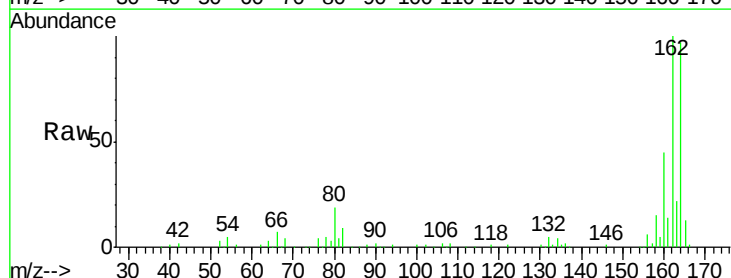
Instrument :
 BNA_F
 ClientSampleId :
 PB91573BL

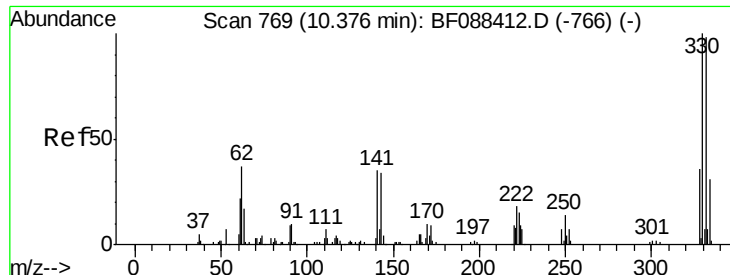
Tot Ion: 82 Resp: 426832
 Ion Ratio Lower Upper
 82 100
 128 56.3 35.9 53.9#
 54 39.4 40.9 61.3#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.58 min Scan# 699
 Delta R.T. -0.31 min
 Lab File: BF088439.D
 Acq: 27 Jun 2016 6:02

Tgt Ion:164 Resp: 151878
 Ion Ratio Lower Upper
 164 100
 162 103.5 85.4 128.2
 160 46.6 39.5 59.3

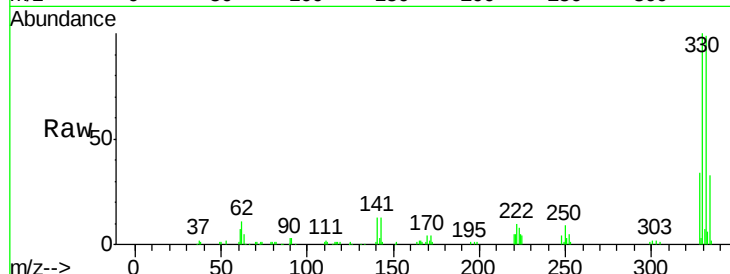




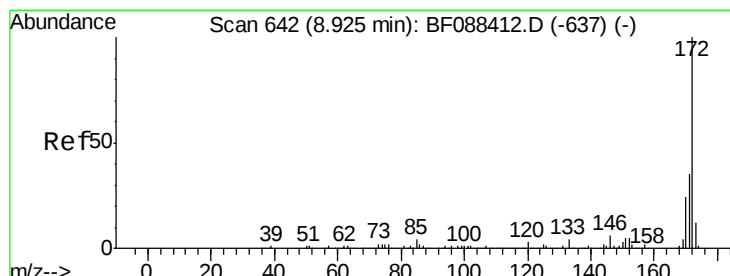
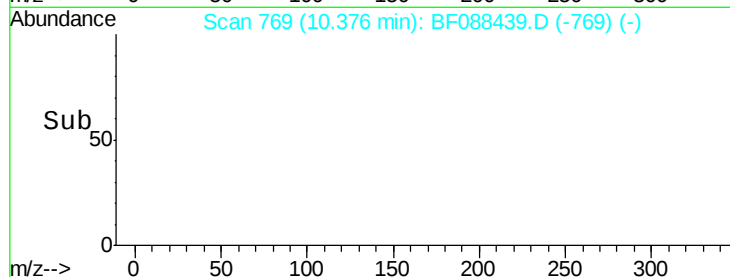
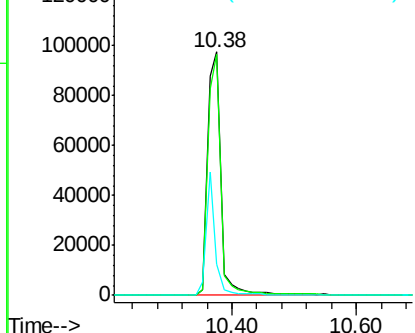
#41
 2,4,6-Tribromophenol
 Concen: 90.83 ng
 RT: 10.38 min Scan# 769
 Delta R.T. -0.30 min
 Lab File: BF088439.D
 Acq: 27 Jun 2016 6:02

Instrument :
 BNA_F
 ClientSampleId :
 PB91573BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	0.0	0.0#
141	35.0	0.0	0.0#

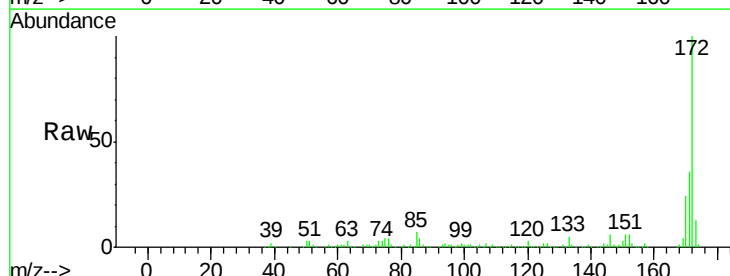


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

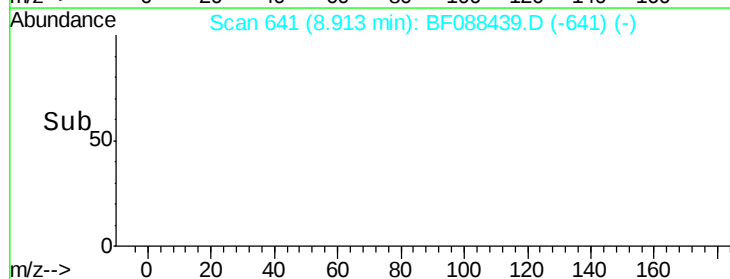
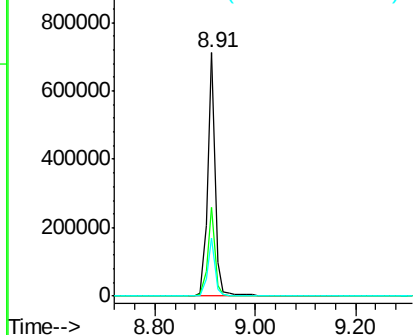


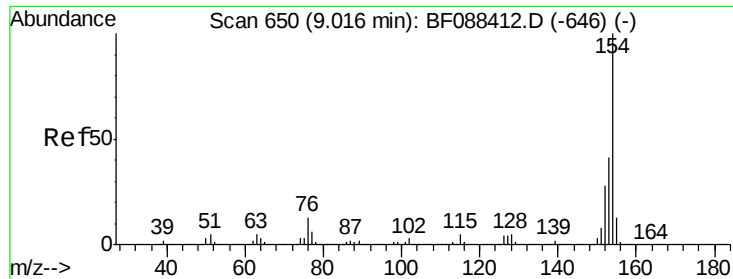
#44
 2-Fluorobiphenyl
 Concen: 76.56 ng
 RT: 8.91 min Scan# 641
 Delta R.T. -0.30 min
 Lab File: BF088439.D
 Acq: 27 Jun 2016 6:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	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: 8.91 min Scan# 641

Delta R.T. -0.39 min

Lab File: BF088439.D

Acq: 27 Jun 2016 6:02

Instrument :

BNA_F

ClientSampleId :

PB91573BL

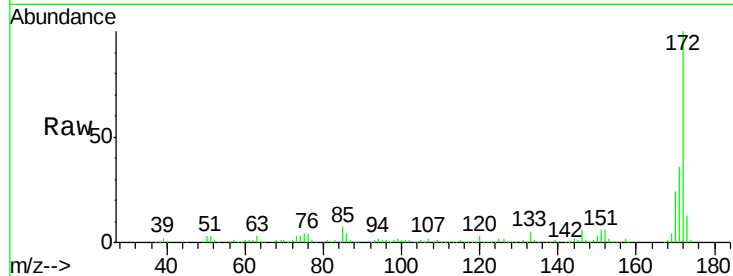
Tot Ion:154 Resp: 1396

Ion Ratio Lower Upper

154 100

153 879.7 20.6 60.6#

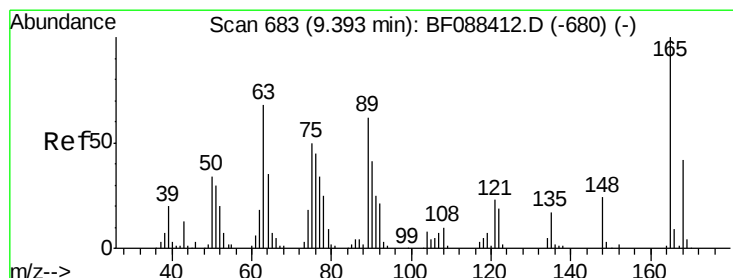
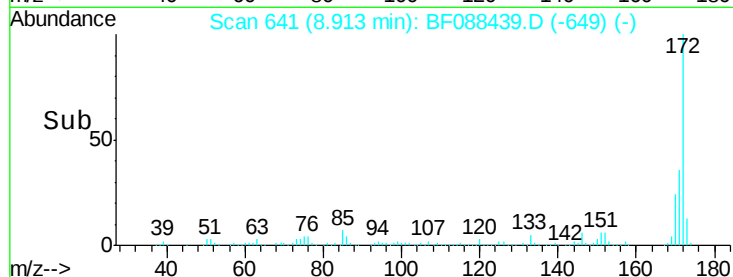
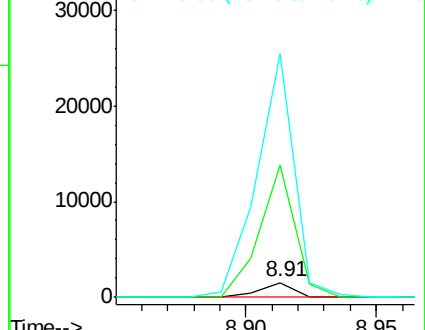
76 1625.6 0.0 35.1#



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



#50

2,6-Dinitrotoluene

Concen: 7.76 ng

RT: 9.58 min Scan# 699

Delta R.T. -0.09 min

Lab File: BF088439.D

Acq: 27 Jun 2016 6:02

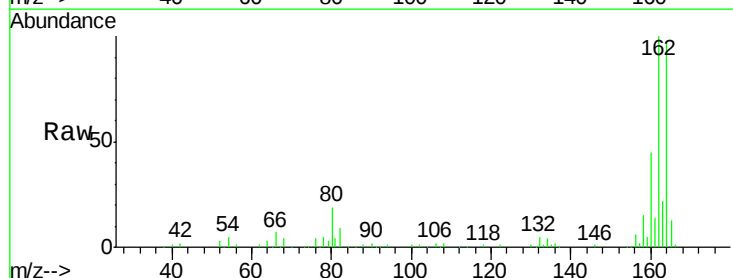
Tgt Ion:165 Resp: 19548

Ion Ratio Lower Upper

165 100

63 0.0 28.1 42.1#

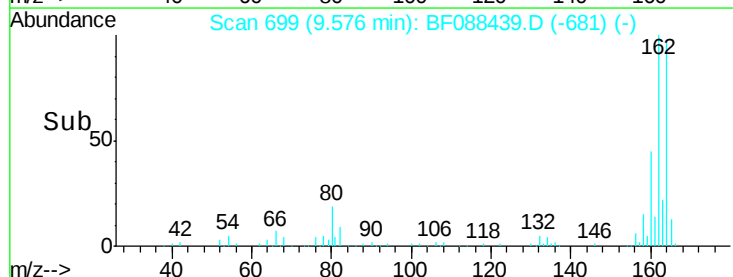
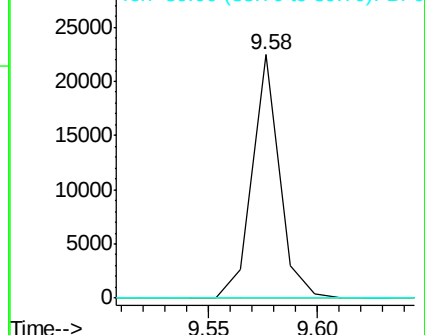
89 0.0 32.2 48.2#

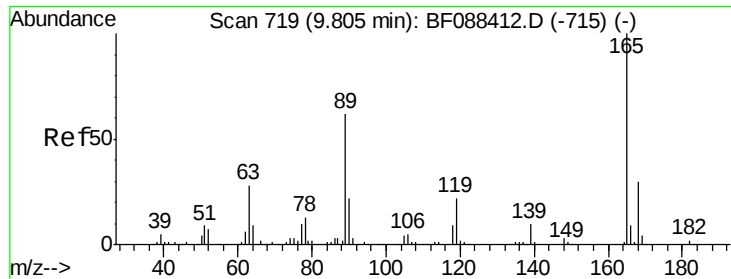


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

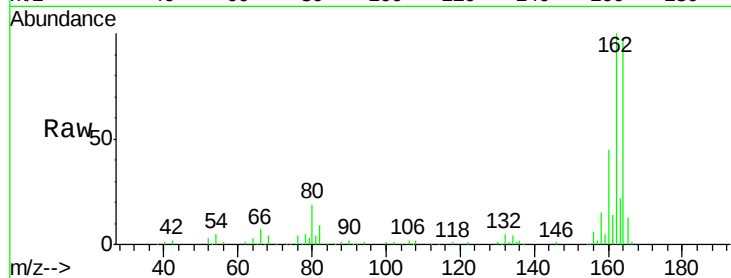




#56
2,4-Dinitrotoluene
Concen: 6.04 ng
RT: 9.58 min Scan# 699
Delta R.T. -0.49 min
Lab File: BF088439.D
Acq: 27 Jun 2016 6:02

Instrument :
BNA_F
ClientSampleId :
PB91573BL

Tot 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#

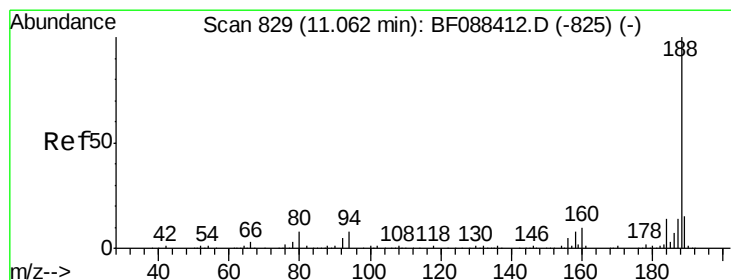
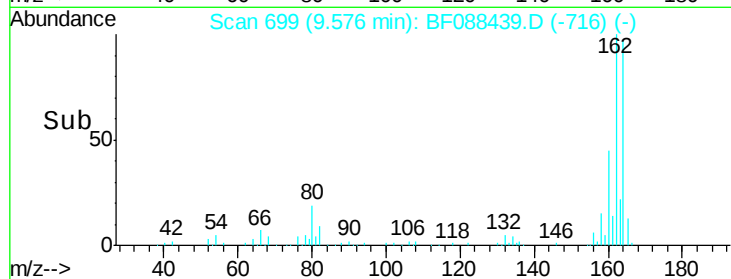
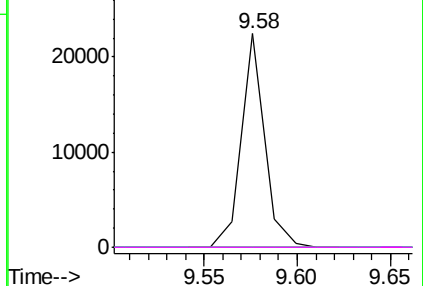


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

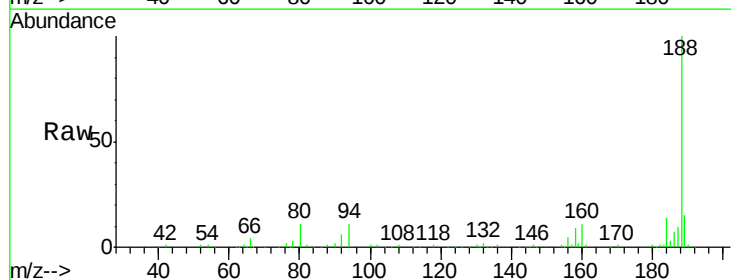
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.31 min
Lab File: BF088439.D
Acq: 27 Jun 2016 6:02

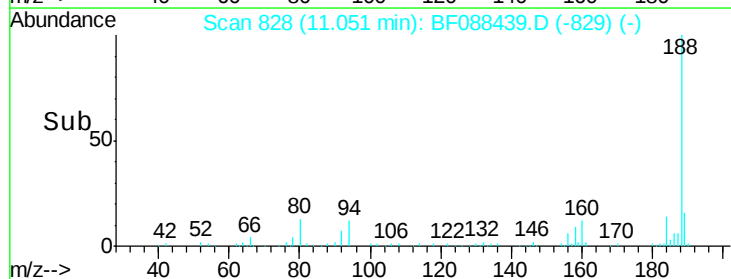
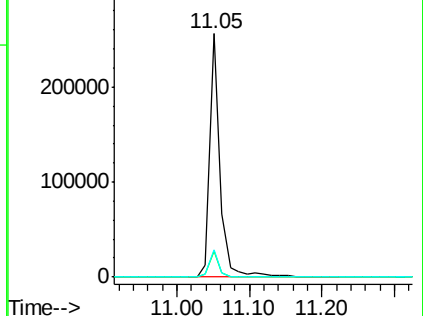
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.8	9.0	13.6
80	11.0	10.0	15.0

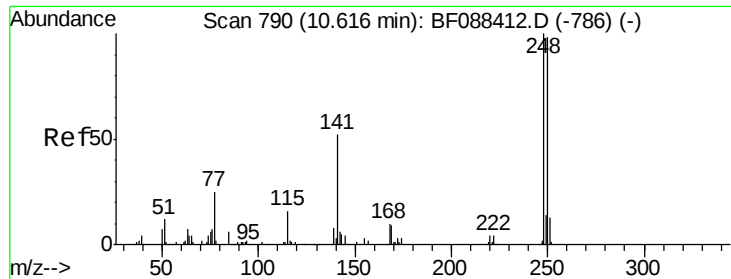


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

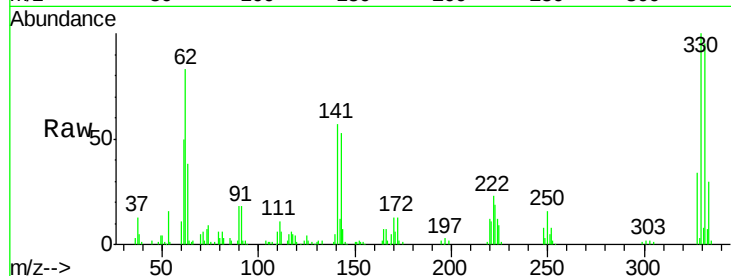




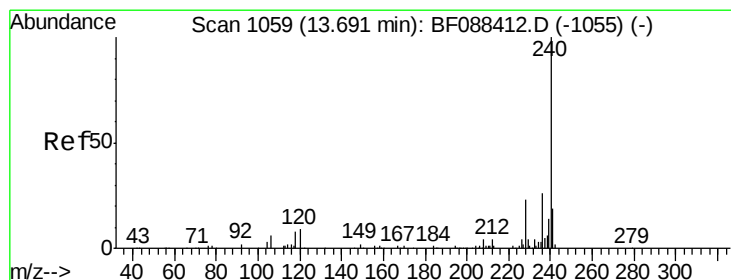
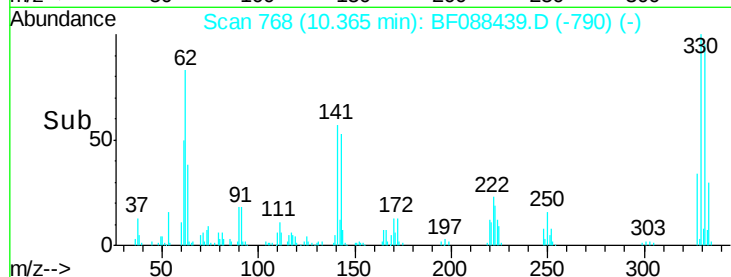
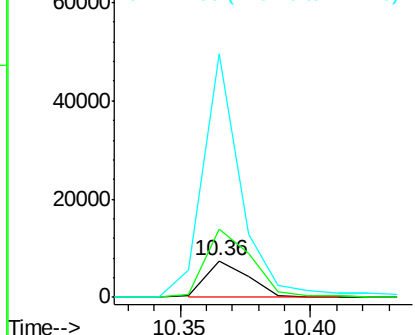
#66
4-Bromophenyl-phenylether
Concen: 3.08 ng
RT: 10.36 min Scan# 768
Delta R.T. -0.55 min
Lab File: BF088439.D
Acq: 27 Jun 2016 6:02

Instrument :
BNA_F
ClientSampleId :
PB91573BL

Tot Ion:248 Resp: 8407
Ion Ratio Lower Upper
248 100
250 187.4 77.1 115.7#
141 664.8 50.6 76.0#

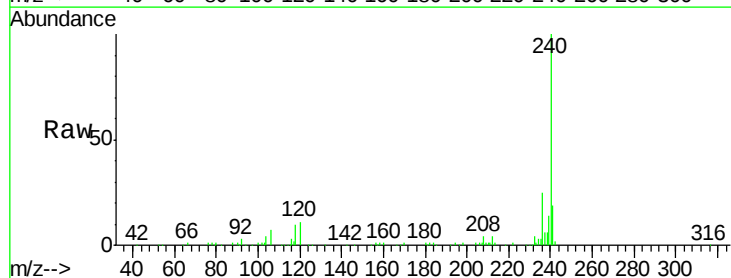


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

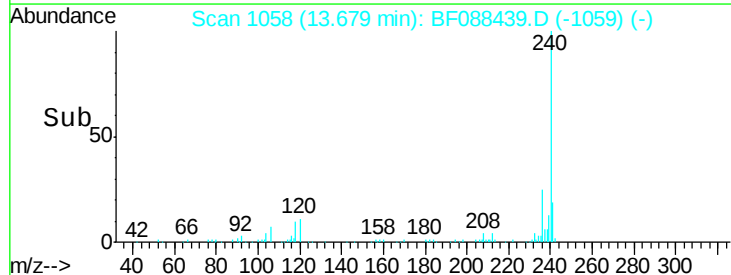
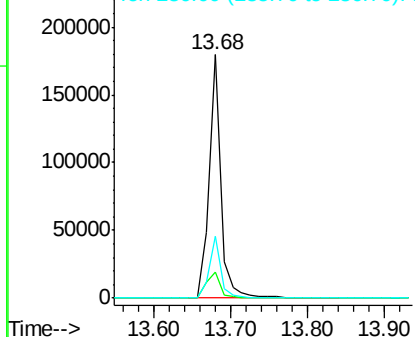


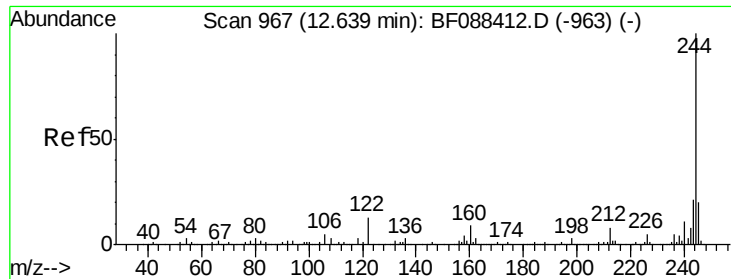
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.68 min Scan# 1058
Delta R.T. -0.31 min
Lab File: BF088439.D
Acq: 27 Jun 2016 6:02

Tgt Ion:240 Resp: 190034
Ion Ratio Lower Upper
240 100
120 10.9 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

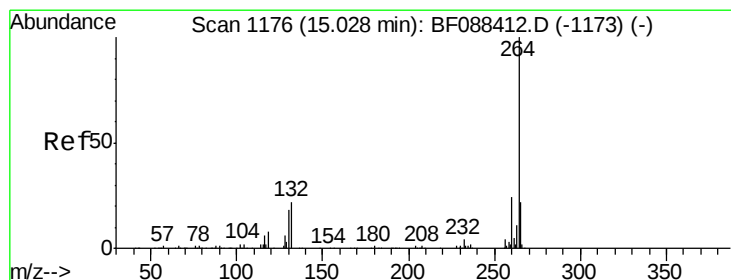
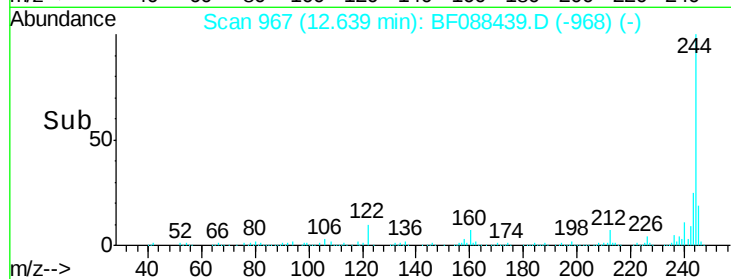
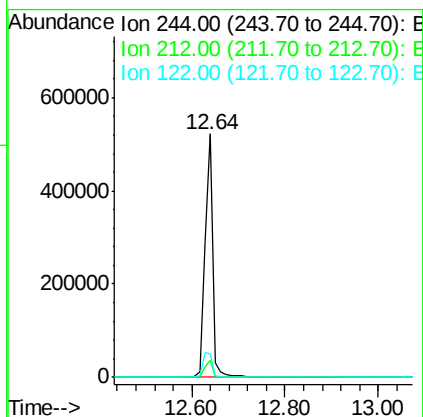
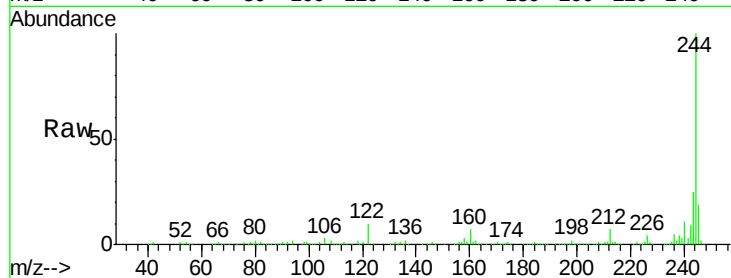




#78
 Terphenyl-d14
 Concen: 73.79 ng
 RT: 12.64 min Scan# 967
 Delta R.T. -0.31 min
 Lab File: BF088439.D
 Acq: 27 Jun 2016 6:02

Instrument :
 BNA_F
 ClientSampleId :
 PB91573BL

Tot Ion:244 Resp: 616261
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 9.8 11.2 16.8#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.03 min Scan# 1176
 Delta R.T. -0.37 min
 Lab File: BF088439.D
 Acq: 27 Jun 2016 6:02

Tgt Ion:264 Resp: 154338
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.2 28.8
 265 21.2 16.9 25.3

