

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
 Data File : BF088364.D
 Acq On : 25 Jun 2016 7:44
 Operator : UM/SJ
 Sample : H3694-01
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-54-062016

Quant Time: Jun 27 01:51:15 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	6.58	152	79880	20.00	ng	-0.02
21) Naphthalene-d8	7.87	136	304753	20.00	ng	-0.02
38) Acenaphthene-d10	9.61	164	129568	20.00	ng	-0.03
63) Phenanthrene-d10	11.08	188	204442	20.00	ng	-0.03
75) Chrysene-d12	13.71	240	176228	20.00	ng	-0.03
86) Perylene-d12	15.07	264	129321	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.19	112	534667	114.43	ng	0.01
7) Phenol-d6	6.25	99	613316	108.31	ng	-0.01
23) Nitrobenzene-d5	7.15	82	433838	83.13	ng	-0.02
41) 2,4,6-Tribromophenol	10.41	330	140676	102.83	ng	-0.02
44) 2-Fluorobiphenyl	8.95	172	778447	95.04	ng	-0.02
78) Terphenyl-d14	12.67	244	591940	76.43	ng	-0.02

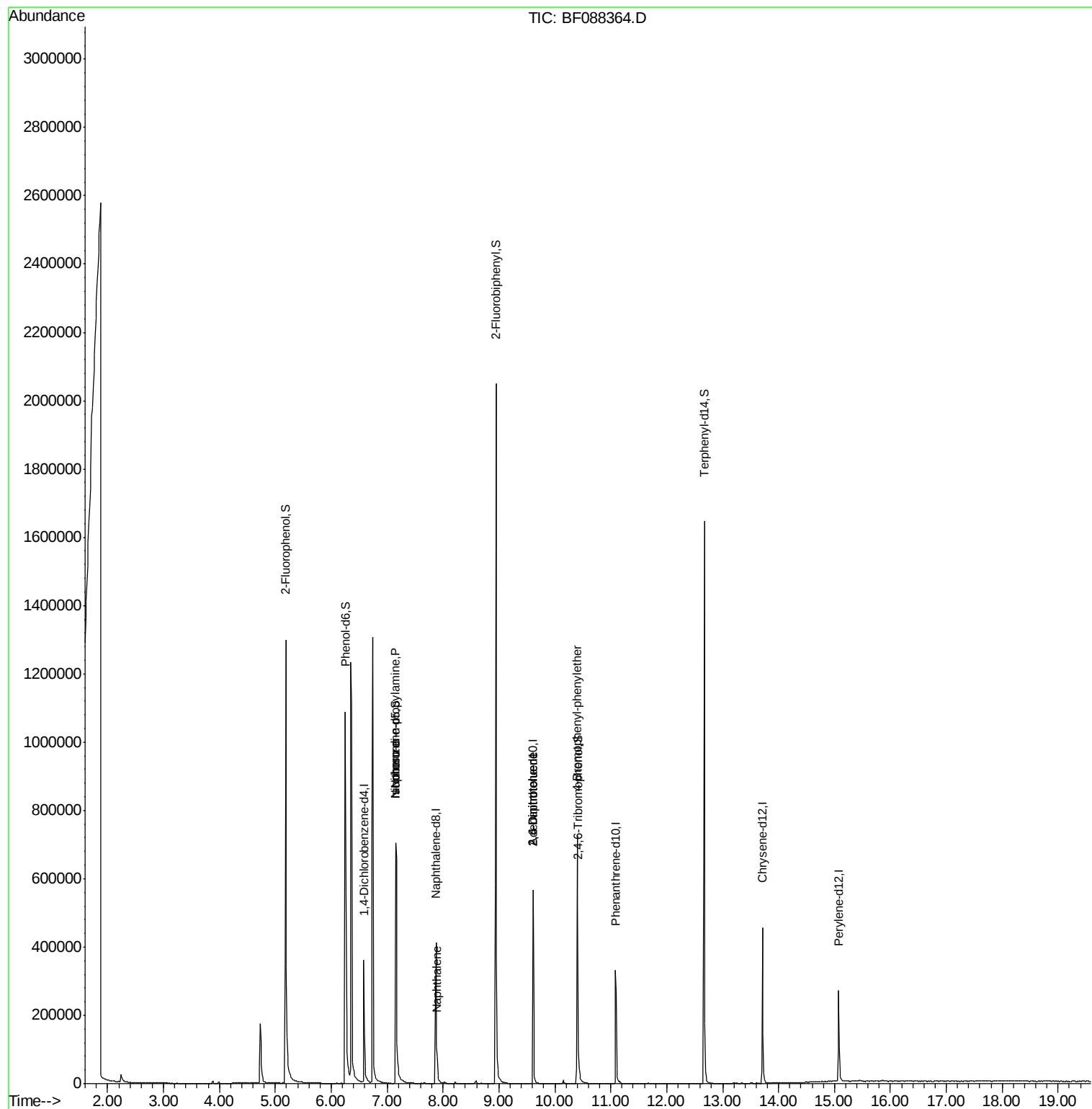
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.36	94	961	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.15	70	54000	14.91	ng	# 71
25) Isophorone	7.15	82	437881	45.30	ng	# 65
31) Naphthalene	7.90	128	47753	3.17	ng	# 99
45) 1,1'-Biphenyl	9.05	154	225	Below Cal	#	43
50) 2,6-Dinitrotoluene	9.61	165	16220	7.55	ng	# 37
56) 2,4-Dinitrotoluene	9.61	165	16221	5.87	ng	# 36
57) Fluorene	10.17	166	217	Below Cal	#	71
66) 4-Bromophenyl-phenylether	10.40	248	8547	3.90	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: 6.58 min Scan# 437

Delta R.T. -0.02 min

Lab File: BF088364.D

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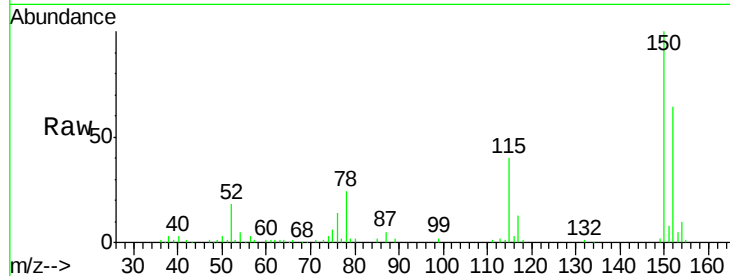
Tgt Ion:152 Resp: 79880

Ion Ratio Lower Upper

152 100

150 156.2 123.8 185.6

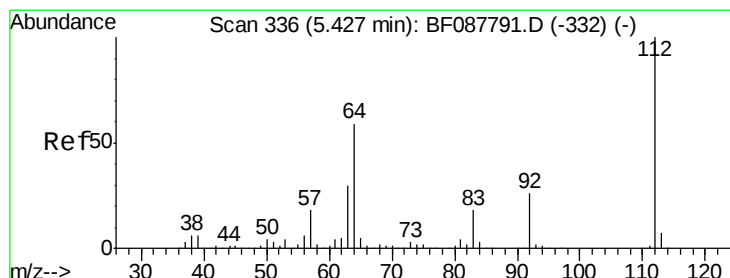
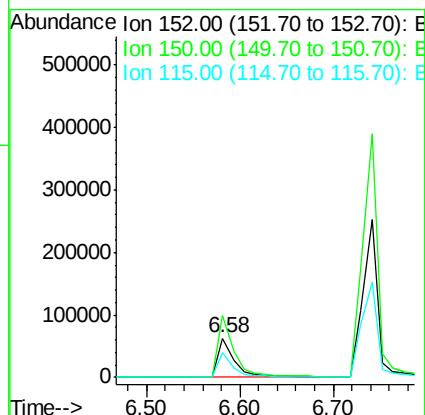
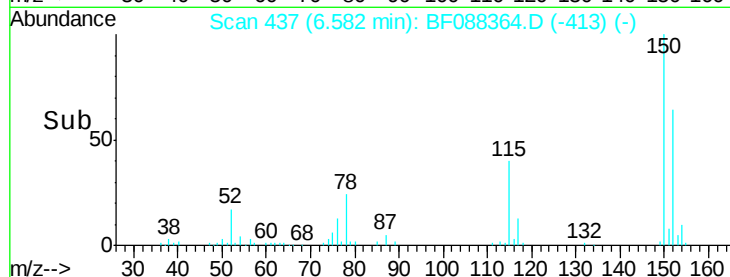
115 62.9 39.6 59.4#



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: 114.43 ng

RT: 5.19 min Scan# 315

Delta R.T. 0.01 min

Lab File: BF088364.D

Acq: 25 Jun 2016 7:44

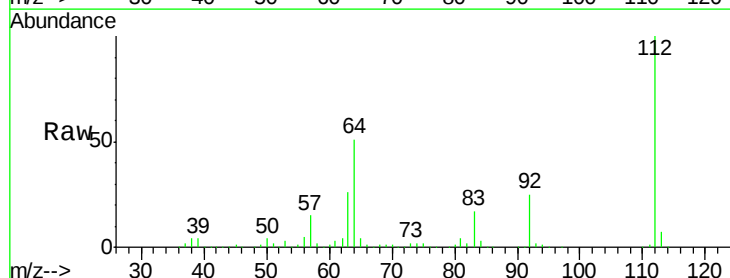
Tgt Ion:112 Resp: 534667

Ion Ratio Lower Upper

112 100

64 51.2 42.2 63.2

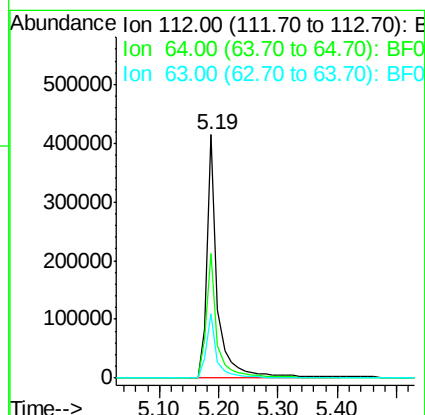
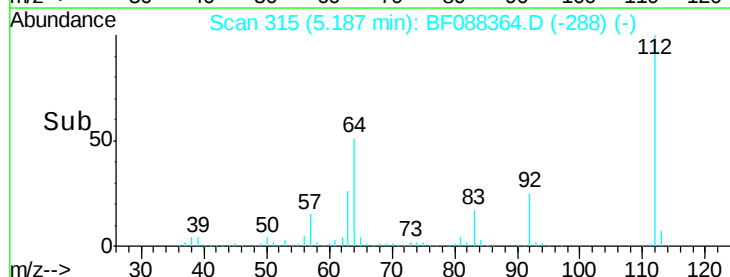
63 26.2 21.8 32.8



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: 108.31 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.01 min

Lab File: BF088364.D

Acq: 25 Jun 2016 7:44

Instrument :

BNA_F

ClientSampleId :

HSR-WC-54-062016

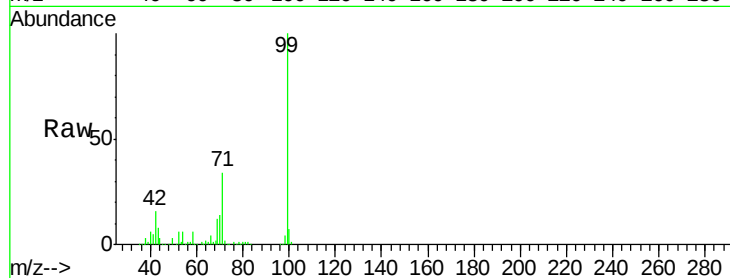
Tgt Ion: 99 Resp: 613316

Ion Ratio Lower Upper

99 100

42 15.8 12.2 18.2

71 33.7 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

500000

400000

300000

200000

100000

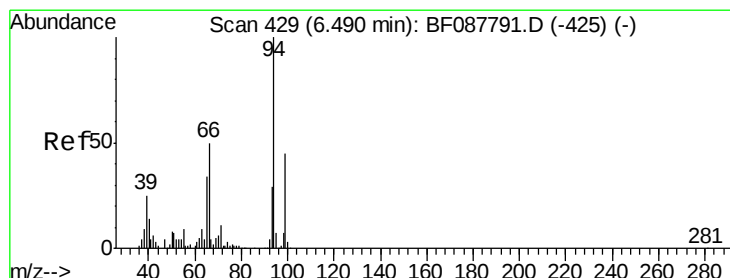
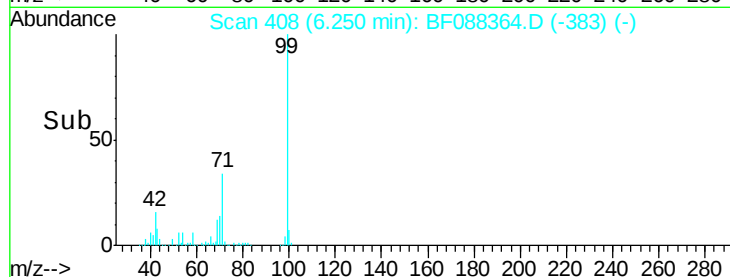
0

6.25

6.20

6.40

Time-->



#10

Phenol

Concen: Below Cal

RT: 6.36 min Scan# 418

Delta R.T. 0.09 min

Lab File: BF088364.D

Acq: 25 Jun 2016 7:44

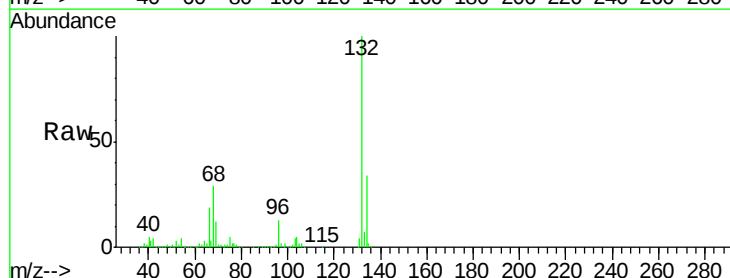
Tgt Ion: 94 Resp: 961

Ion Ratio Lower Upper

94 100

65 898.6 5.9 45.9#

66 9919.8 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

120000

100000

80000

60000

40000

20000

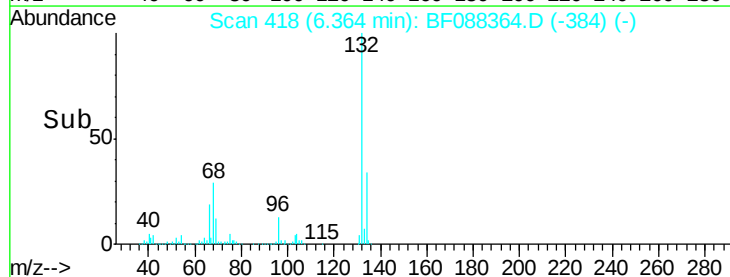
0

6.36

6.35

6.40

Time-->

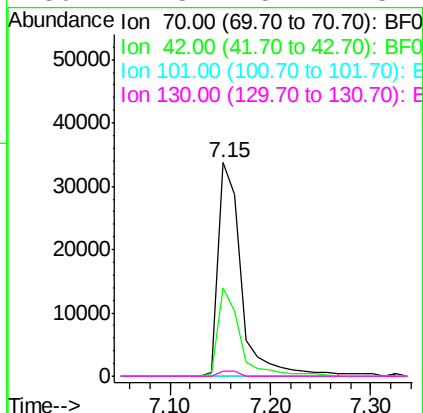
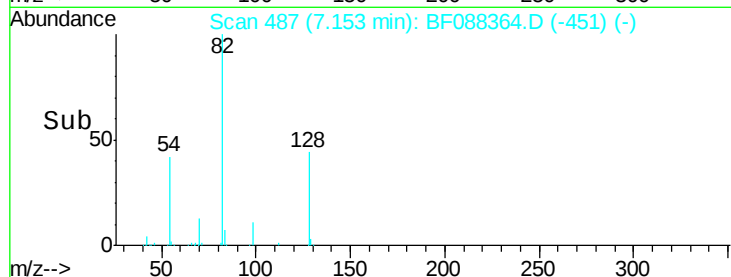
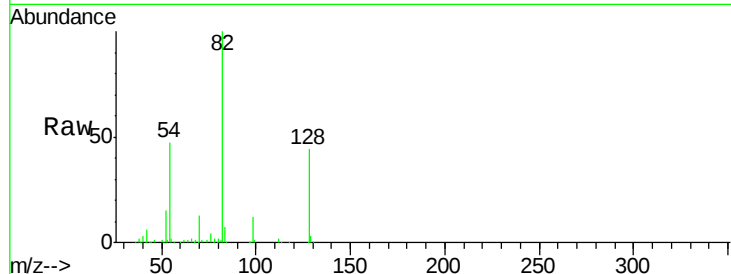




#19
n-Nitroso-di-n-propylamine
Concen: 14.91 ng
RT: 7.15 min Scan# 487
Delta R.T. 0.11 min
Lab File: BF088364.D
Acq: 25 Jun 2016 7:44

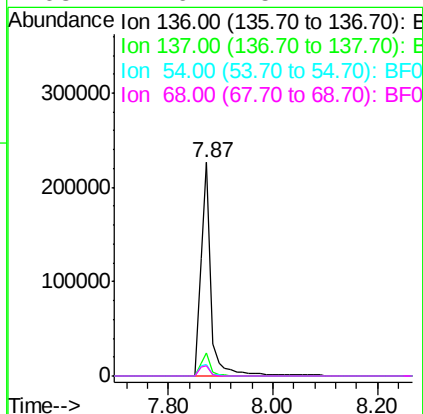
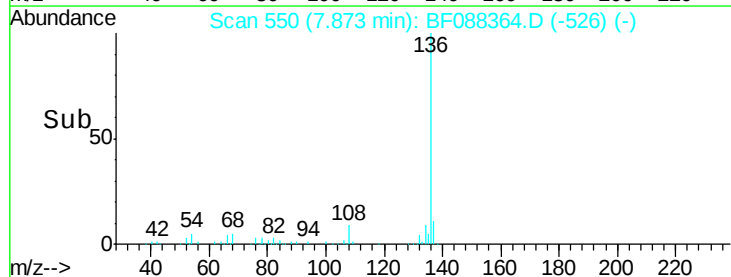
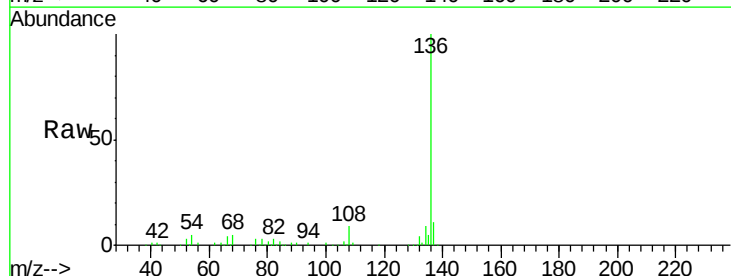
Instrument :
BNA_F
ClientSampleId :
HSR-WC-54-062016

Tgt Ion: 70 Resp: 54000
Ion Ratio Lower Upper
70 100
42 41.6 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: BF088364.D
Acq: 25 Jun 2016 7:44

Tgt Ion: 136 Resp: 304753
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 5.4 6.6 10.0#
68 4.6 5.1 7.7#

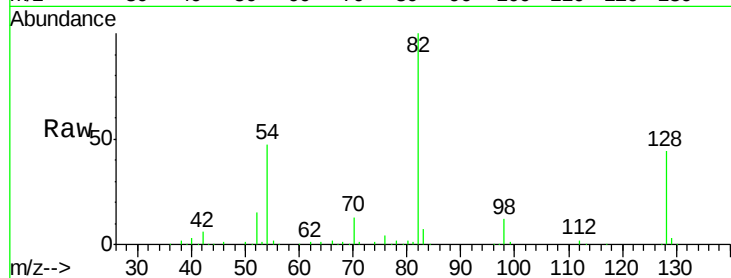




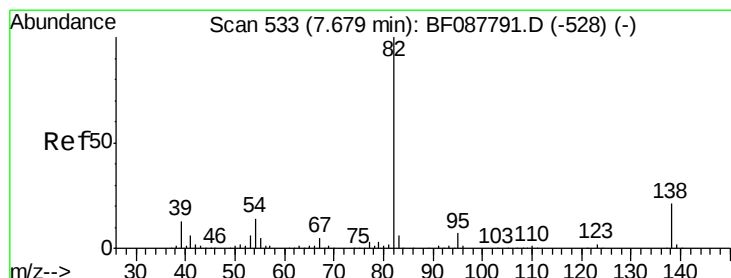
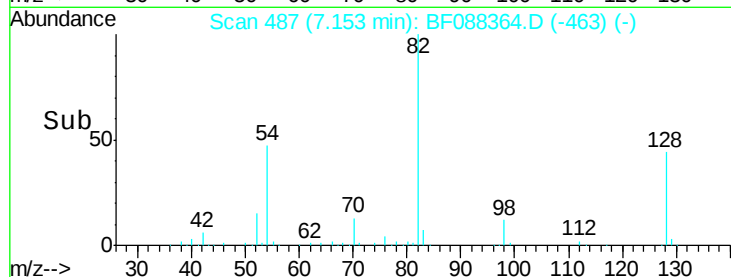
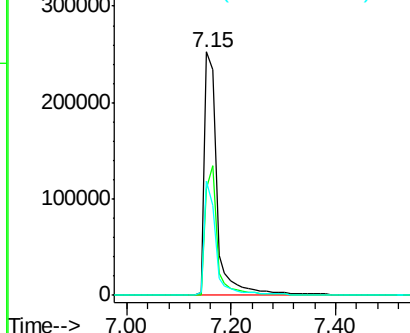
#23
Nitrobenzene-d5
Concen: 83.13 ng
RT: 7.15 min Scan# 487
Delta R.T. -0.02 min
Lab File: BF088364.D
Acq: 25 Jun 2016 7:44

Instrument :
BNA_F
ClientSampleId :
HSR-WC-54-062016

Tgt Ion: 82 Resp: 433838
Ion Ratio Lower Upper
82 100
128 43.6 35.9 53.9
54 47.0 40.9 61.3

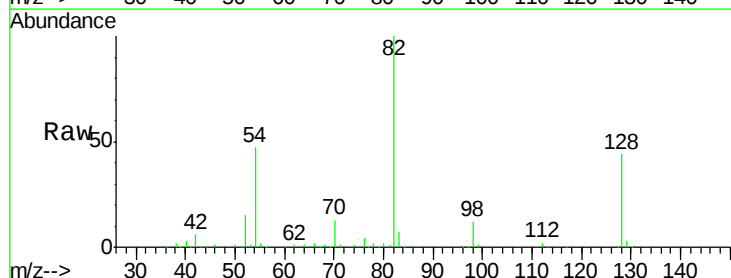


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

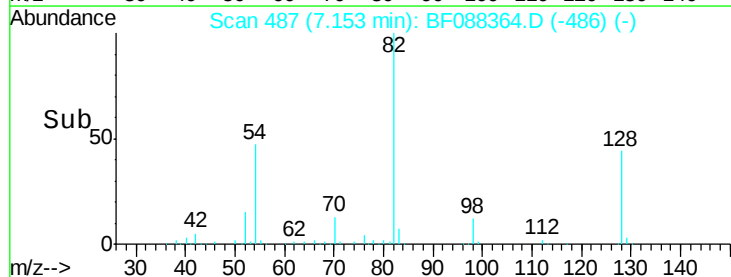
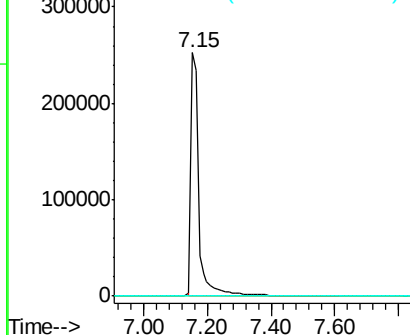


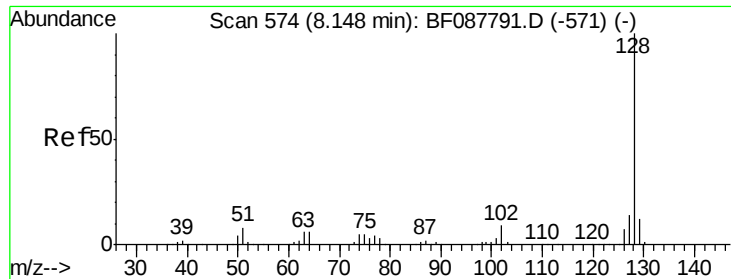
#25
Isophorone
Concen: 45.30 ng
RT: 7.15 min Scan# 487
Delta R.T. -0.29 min
Lab File: BF088364.D
Acq: 25 Jun 2016 7:44

Tgt Ion: 82 Resp: 437881
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): BF0

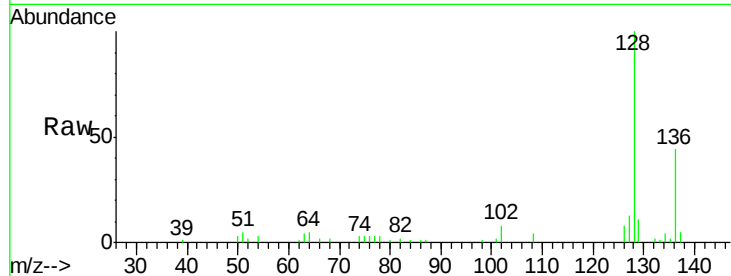




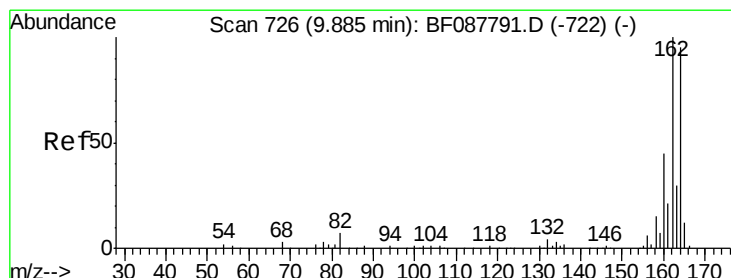
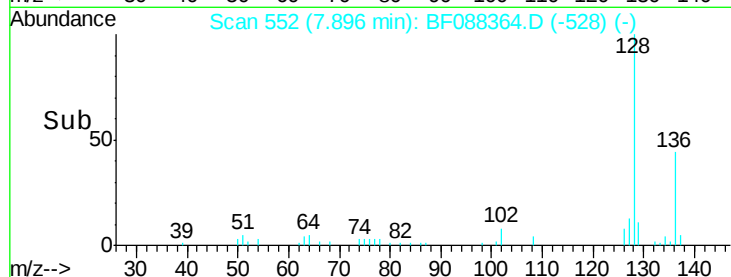
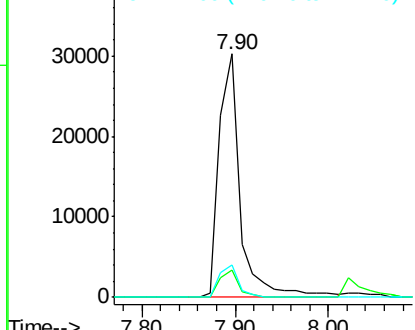
#31
Naphthalene
Concen: 3.17 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.02 min
Lab File: BF088364.D
Acq: 25 Jun 2016 7:44

Instrument :
BNA_F
ClientSampleId :
HSR-WC-54-062016

Tgt Ion:128 Resp: 47753
Ion Ratio Lower Upper
128 100
129 11.1 9.4 14.2
127 13.4 10.9 16.3

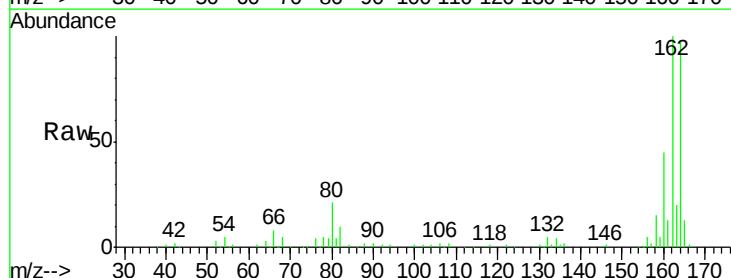


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

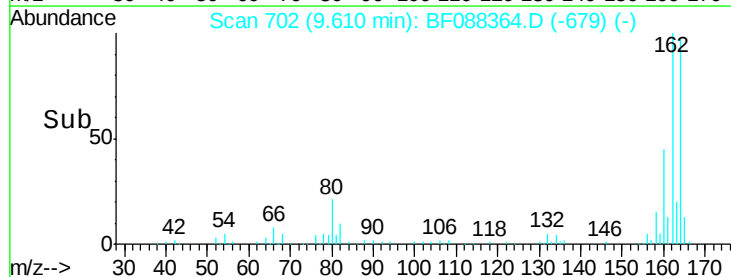
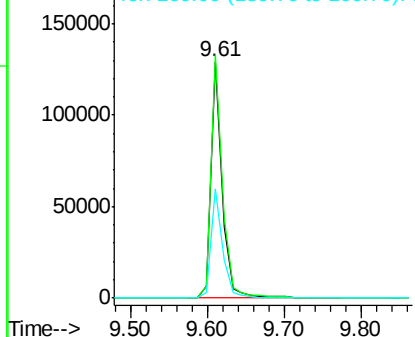


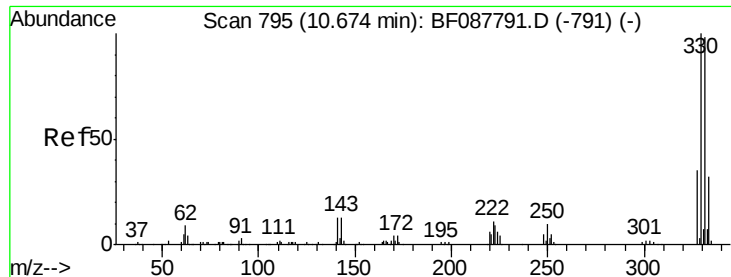
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.61 min Scan# 702
Delta R.T. -0.03 min
Lab File: BF088364.D
Acq: 25 Jun 2016 7:44

Tgt Ion:164 Resp: 129568
Ion Ratio Lower Upper
164 100
162 103.2 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

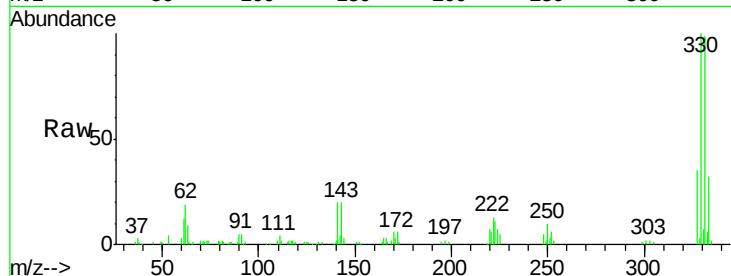




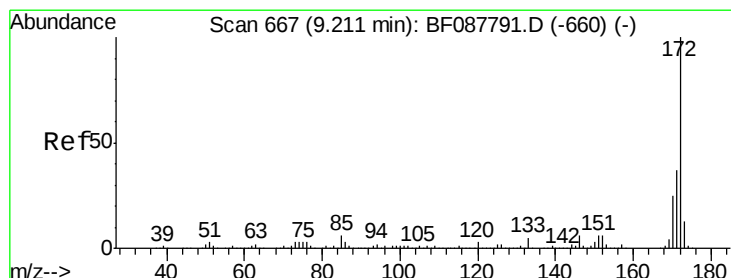
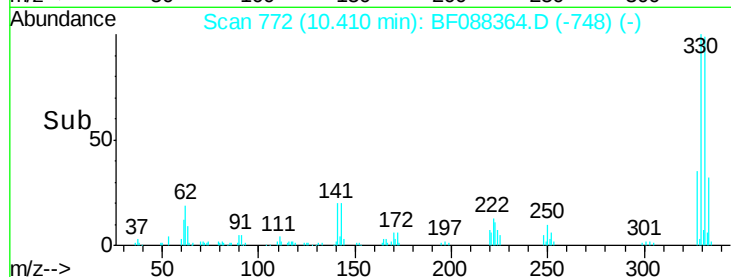
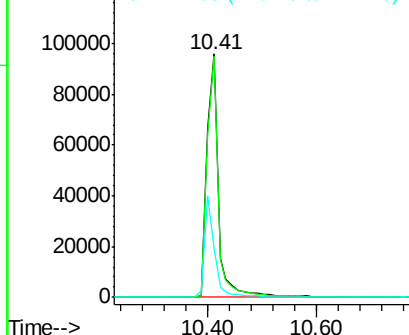
#41
 2,4,6-Tribromophenol
 Concen: 102.83 ng
 RT: 10.41 min Scan# 772
 Delta R.T. -0.02 min
 Lab File: BF088364.D
 Acq: 25 Jun 2016 7:44

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-54-062016

Tgt Ion:330 Resp: 140676
 Ion Ratio Lower Upper
 330 100
 332 97.0 0.0 0.0#
 141 36.0 0.0 0.0#

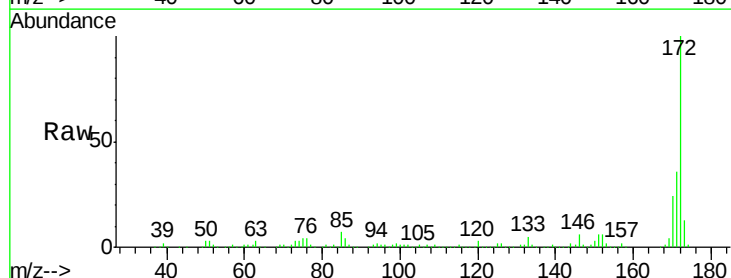


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

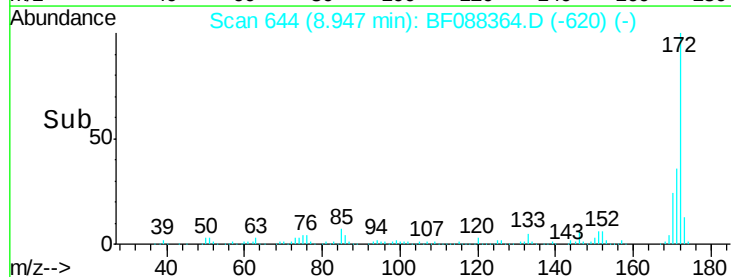
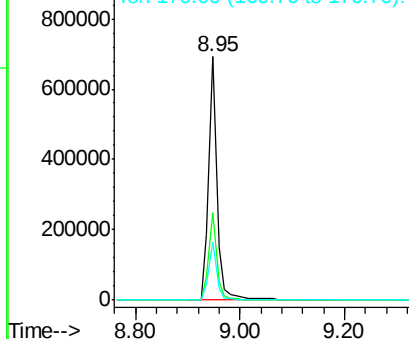


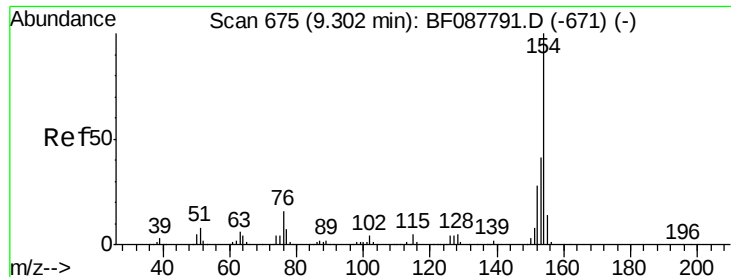
#44
 2-Fluorobiphenyl
 Concen: 95.04 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.02 min
 Lab File: BF088364.D
 Acq: 25 Jun 2016 7:44

Tgt Ion:172 Resp: 778447
 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

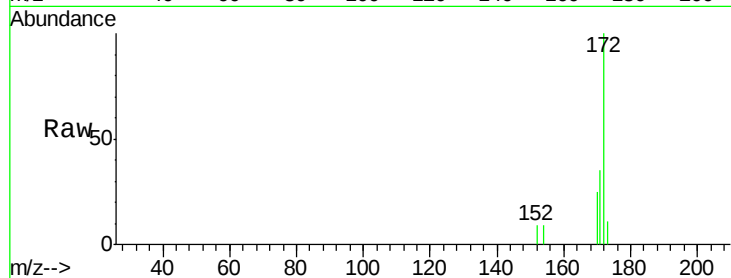




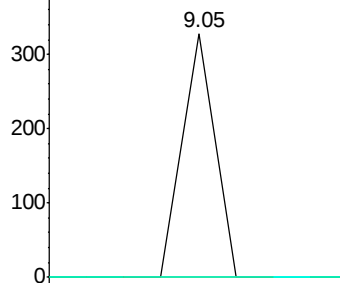
#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.05 min Scan# 653
 Delta R.T. -0.02 min
 Lab File: BF088364.D
 Acq: 25 Jun 2016 7:44

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-54-062016

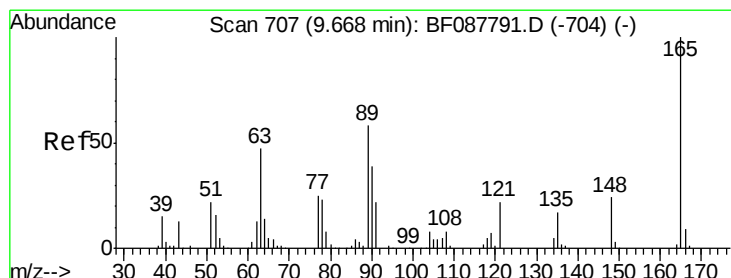
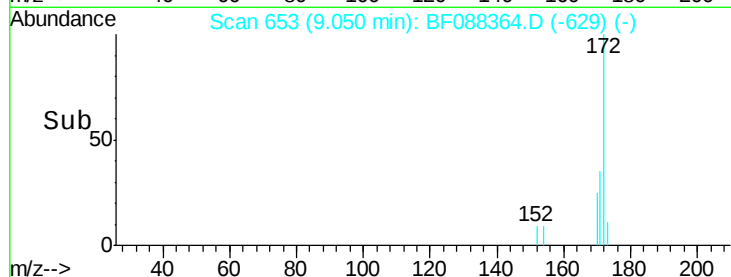
Tgt Ion:	154	Resp:	225
Ion	Ratio	Lower	Upper
154	100		
153	0.0	20.6	60.6#
76	0.0	0.0	35.1



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

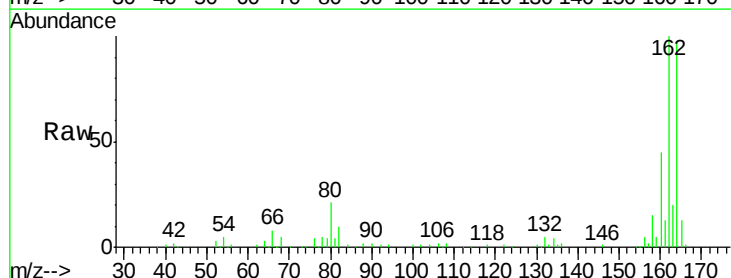


Time-->

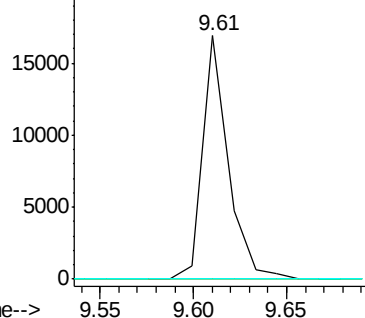


#50
 2,6-Dinitrotoluene
 Concen: 7.55 ng
 RT: 9.61 min Scan# 702
 Delta R.T. 0.16 min
 Lab File: BF088364.D
 Acq: 25 Jun 2016 7:44

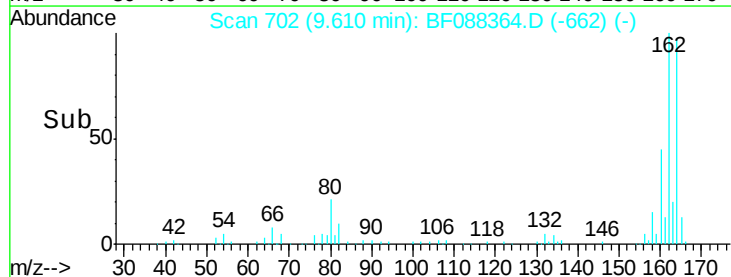
Tgt Ion:	165	Resp:	16220
Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.1	42.1#
89	0.0	32.2	48.2#

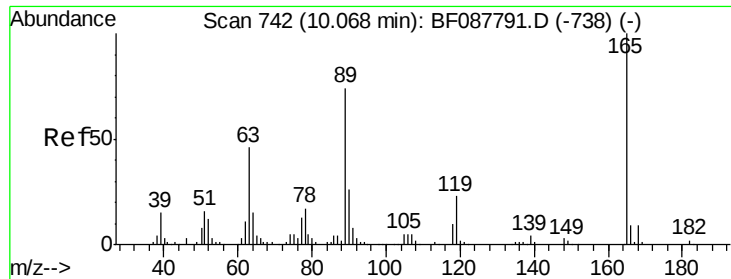


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0



Time-->





#56

2,4-Dinitrotoluene

Concen: 5.87 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.24 min

Lab File: BF088364.D

Acq: 25 Jun 2016 7:44

Instrument :

BNA_F

ClientSampleId :

HSR-WC-54-062016

Tgt Ion:165 Resp: 16221

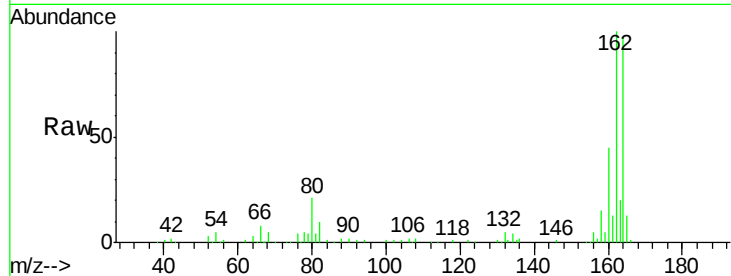
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#



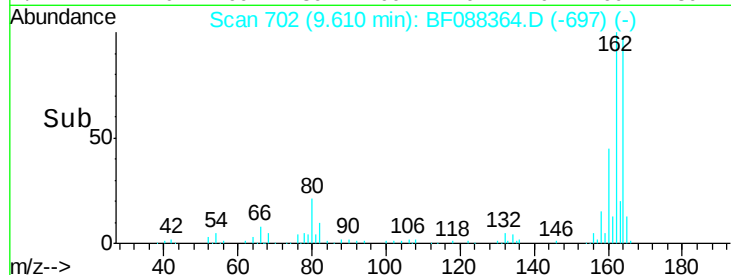
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

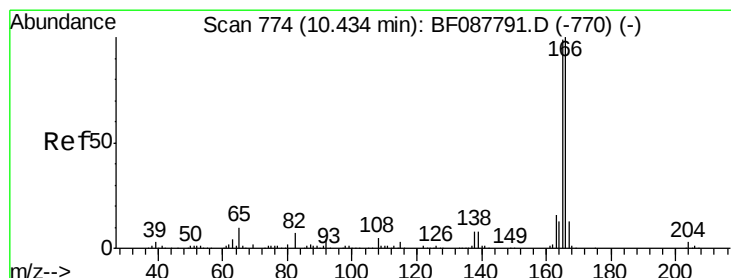
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

Time-->



Time-->



#57

Fluorene

Concen: Below Cal

RT: 10.17 min Scan# 751

Delta R.T. -0.02 min

Lab File: BF088364.D

Acq: 25 Jun 2016 7:44

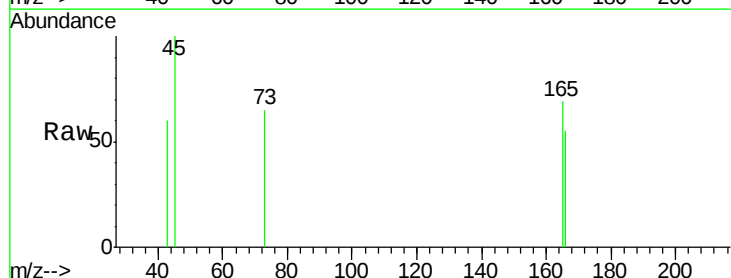
Tgt Ion:166 Resp: 217

Ion Ratio Lower Upper

166 100

165 125.3 77.8 116.8#

167 0.0 11.2 16.8#

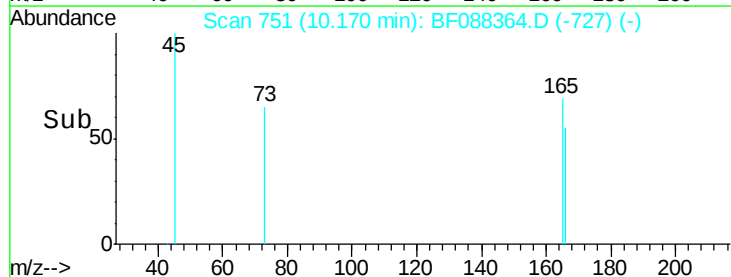


Abundance Ion 166.00 (165.70 to 166.70): E

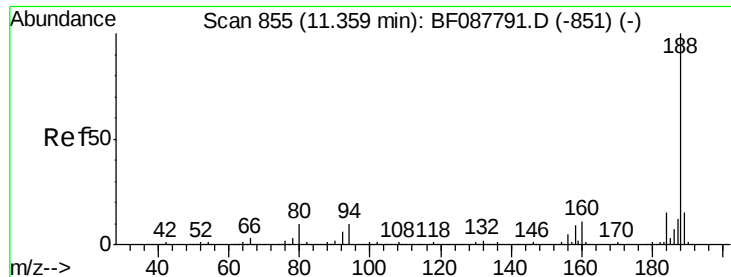
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

Time-->



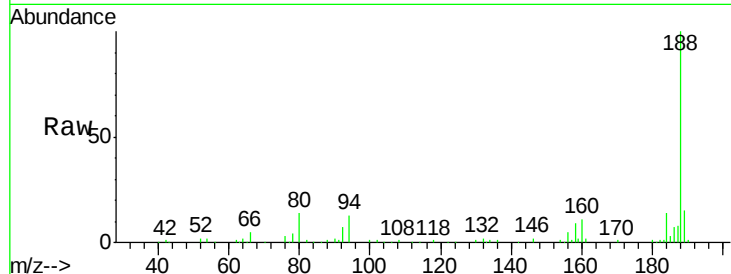
Time-->



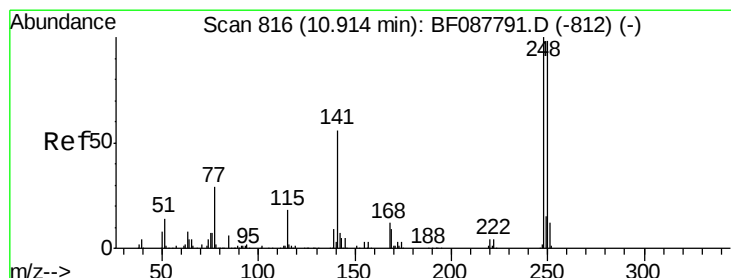
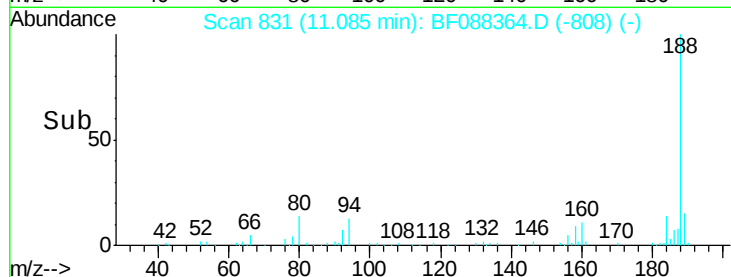
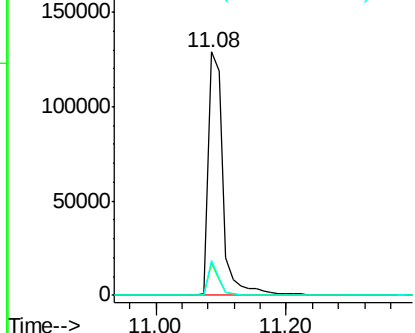
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.08 min Scan# 831
Delta R.T. -0.03 min
Lab File: BF088364.D
Acq: 25 Jun 2016 7:44

Instrument :
BNA_F
ClientSampleId :
HSR-WC-54-062016

Tgt Ion:188 Resp: 204442
Ion Ratio Lower Upper
188 100
94 13.4 9.0 13.6
80 14.3 10.0 15.0

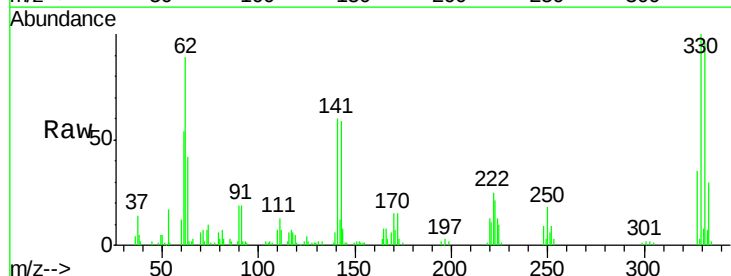


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

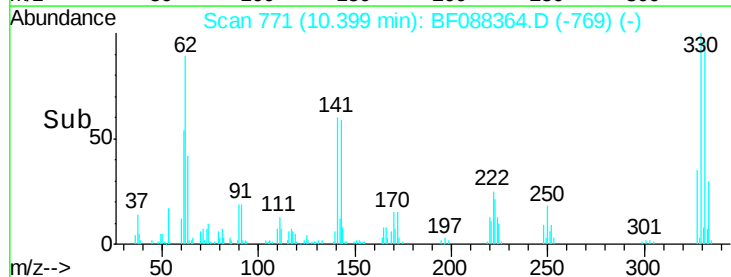
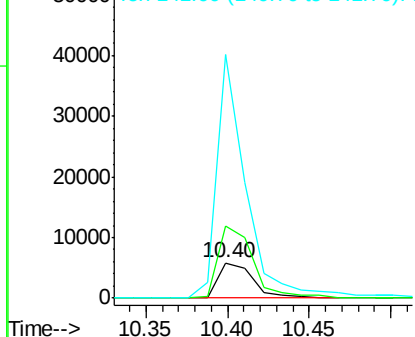


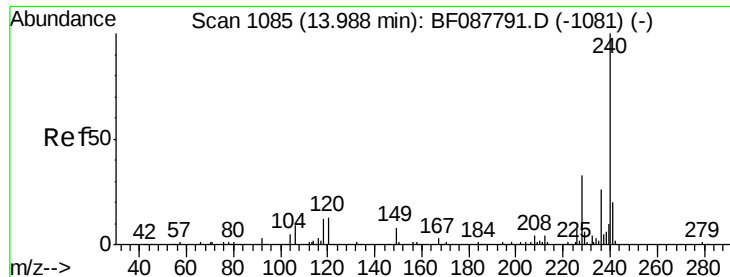
#66
4-Bromophenyl-phenylether
Concen: 3.90 ng
RT: 10.40 min Scan# 771
Delta R.T. -0.27 min
Lab File: BF088364.D
Acq: 25 Jun 2016 7:44

Tgt Ion:248 Resp: 8547
Ion Ratio Lower Upper
248 100
250 201.2 77.1 115.7#
141 683.8 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: 13.71 min Scan# 1061

Delta R.T. -0.03 min

Lab File: BF088364.D

Acq: 25 Jun 2016 7:44

Instrument :

BNA_F

ClientSampleId :

HSR-WC-54-062016

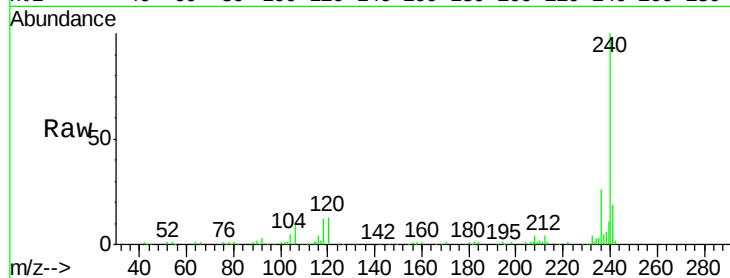
Tgt Ion:240 Resp: 176228

Ion Ratio Lower Upper

240 100

120 13.2 6.8 10.2#

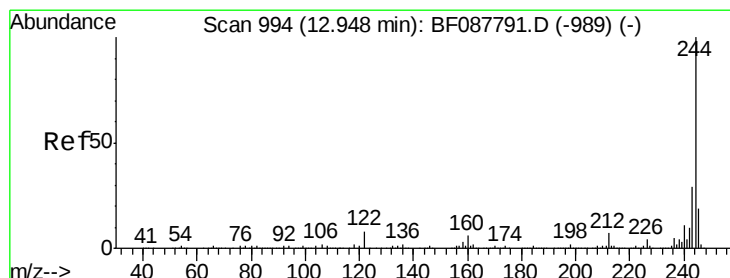
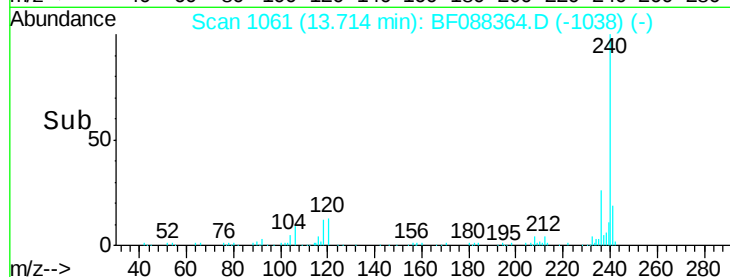
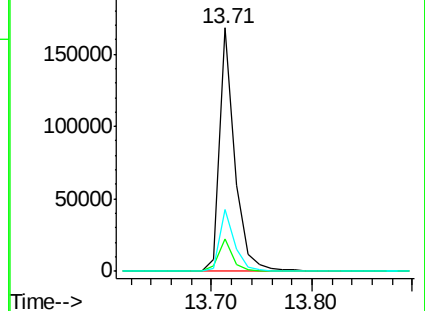
236 25.6 20.2 30.2



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: 76.43 ng

RT: 12.67 min Scan# 970

Delta R.T. -0.02 min

Lab File: BF088364.D

Acq: 25 Jun 2016 7:44

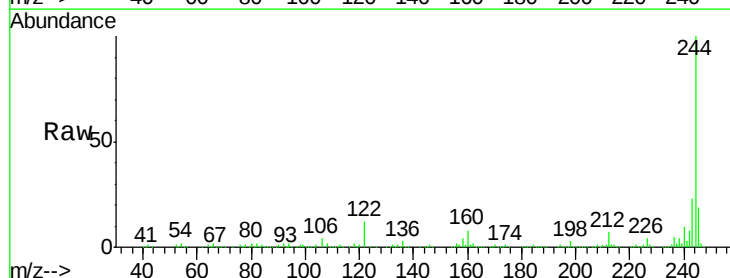
Tgt Ion:244 Resp: 591940

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

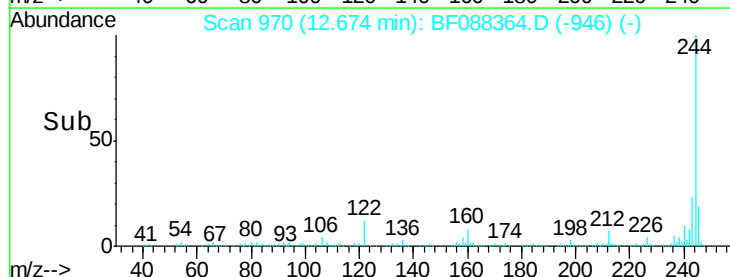
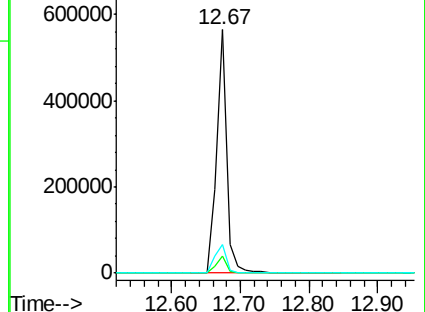
122 11.6 11.2 16.8

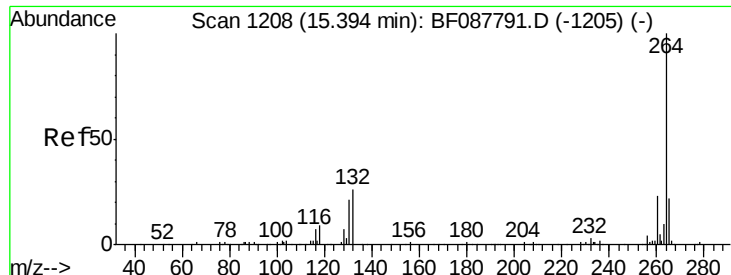


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

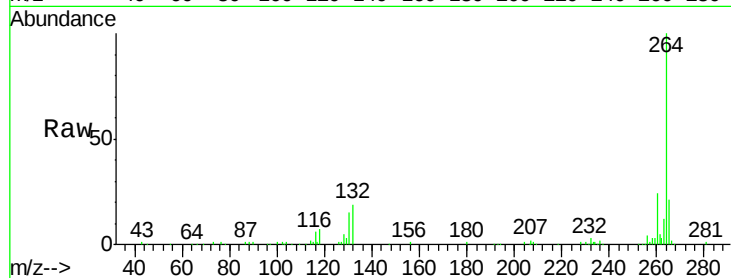




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.07 min Scan# 1180
Delta R.T. -0.03 min
Lab File: BF088364.D
Acq: 25 Jun 2016 7:44

Instrument :
BNA_F
ClientSampleId :
HSR-WC-54-062016

Tgt Ion:	264	Resp:	129321
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	20.9	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

