

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
 Data File : BF088442.D
 Acq On : 27 Jun 2016 7:29
 Operator : UM/SJ
 Sample : H3698-01
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-24

Quant Time: Jun 27 08:16:02 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

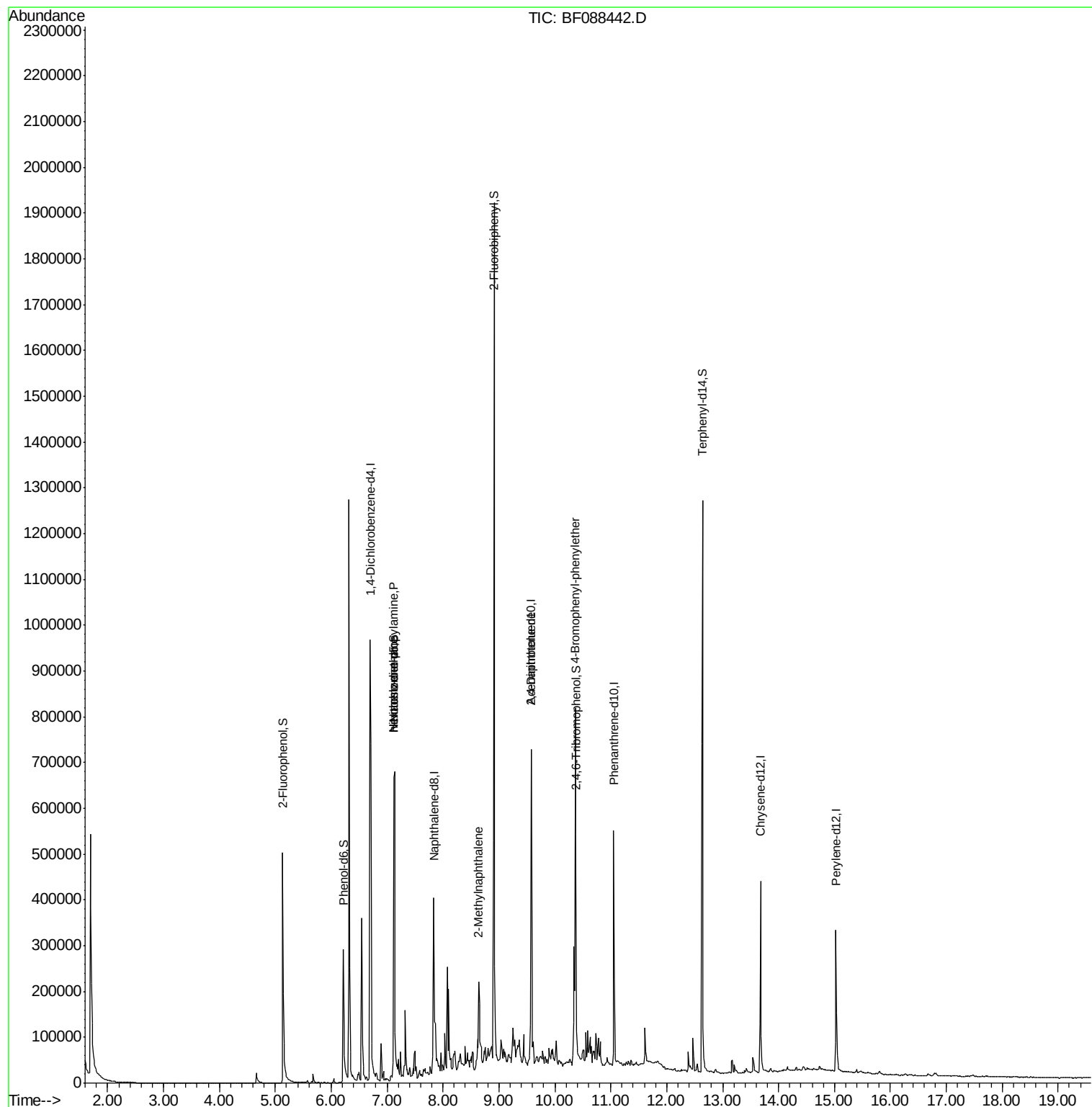
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	231907	20.00	ng	-0.15
21) Naphthalene-d8	7.84	136	287740	20.00	ng	-0.29
38) Acenaphthene-d10	9.58	164	130602	20.00	ng	-0.31
63) Phenanthrene-d10	11.05	188	217903	20.00	ng	-0.31
75) Chrysene-d12	13.68	240	155805	20.00	ng	-0.31
86) Perylene-d12	15.03	264	136050	20.00	ng	-0.37
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	230914	17.02	ng	-0.30
7) Phenol-d6	6.22	99	175994	10.71	ng	-0.26
23) Nitrobenzene-d5	7.12	82	355675	72.18	ng	-0.30
41) 2,4,6-Tribromophenol	10.38	330	130743	94.81	ng	-0.30
44) 2-Fluorobiphenyl	8.91	172	637291	76.07	ng	-0.30
78) Terphenyl-d14	12.64	244	496493	72.51	ng	-0.31
Target Compounds						
10) Phenol	6.32	94	492	Below Cal	#	1
18) Hexachloroethane	7.12	117	36140	5.87	ng	# 4
19) n-Nitroso-di-n-propylamine	7.12	70	47711	4.54	ng	# 72
37) 2-Methylnaphthalene	8.64	142	57385	6.11	ng	# 95
45) 1,1'-Biphenyl	8.91	154	1246	Below Cal	#	1
56) 2,4-Dinitrotoluene	9.58	165	17648	6.34	ng	# 40
57) Fluorene	10.12	166	548	Below Cal	#	79
66) 4-Bromophenyl-phenylether	10.36	248	7744	3.31	ng	# 1

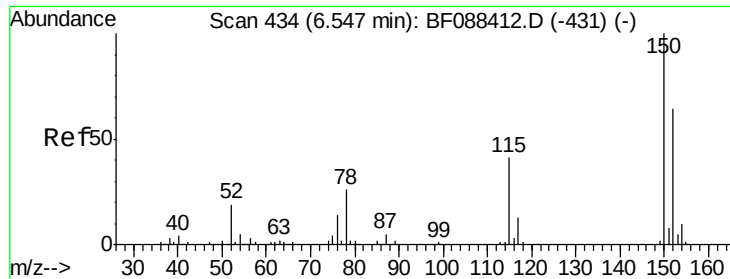
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
Data File : BF088442.D
Acq On : 27 Jun 2016 7:29
Operator : UM/SJ
Sample : H3698-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
W-24

Quant Time: Jun 27 08:16:02 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



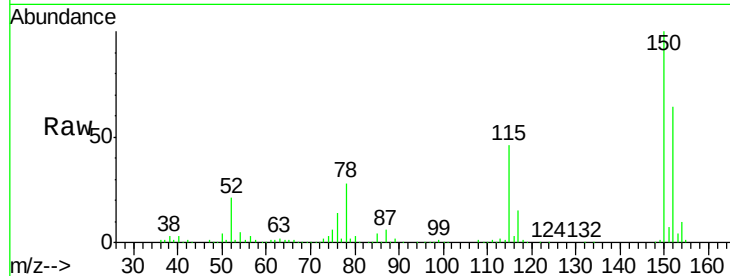


#1

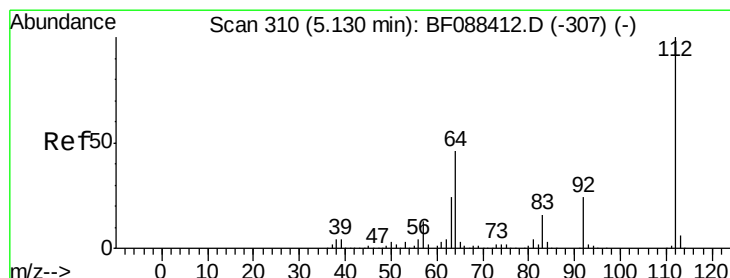
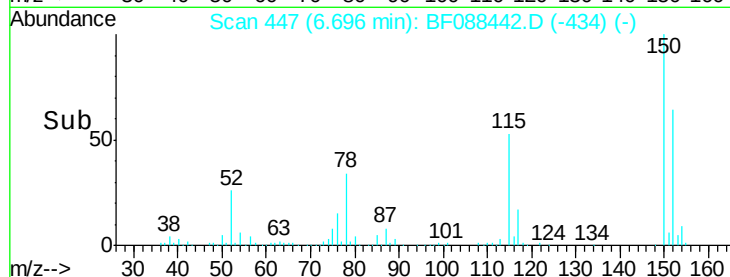
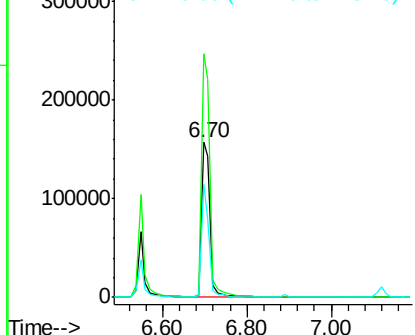
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.70 min Scan# 447
Delta R.T. -0.15 min
Lab File: BF088442.D
Acq: 27 Jun 2016 7:29

Instrument :
BNA_F
ClientSampleId :
W-24

Tot Ion:152 Resp: 231907
Ion Ratio Lower Upper
152 100
150 157.4 123.8 185.6
115 72.8 39.6 59.4#



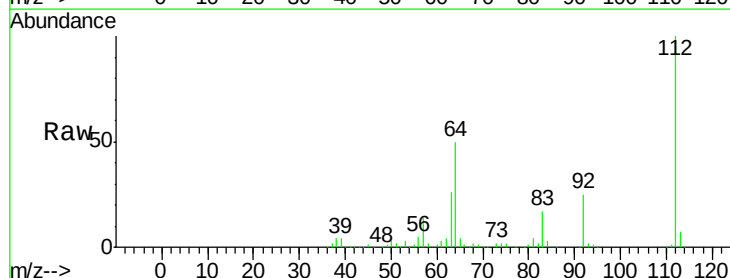
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



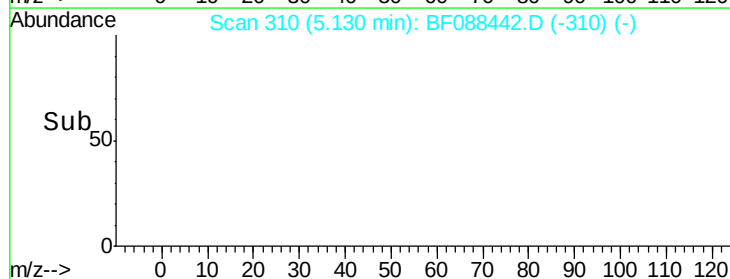
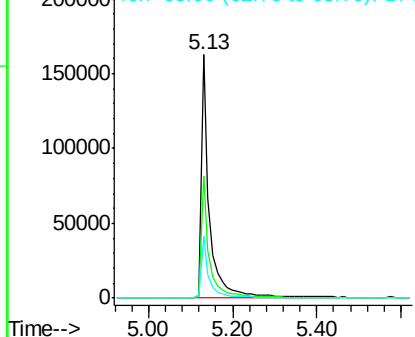
#5

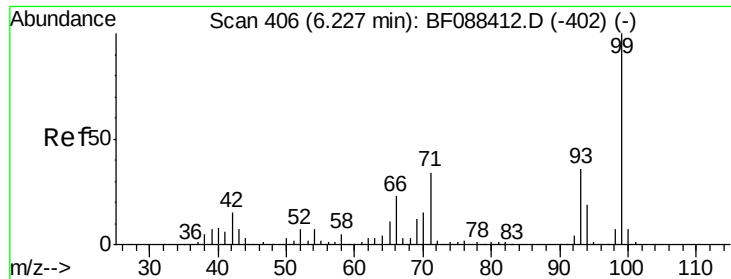
2-Fluorophenol
Concen: 17.02 ng
RT: 5.13 min Scan# 310
Delta R.T. -0.30 min
Lab File: BF088442.D
Acq: 27 Jun 2016 7:29

Tgt Ion:112 Resp: 230914
Ion Ratio Lower Upper
112 100
64 50.4 42.2 63.2
63 25.6 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: 10.71 ng

RT: 6.22 min Scan# 405

Delta R.T. -0.26 min

Lab File: BF088442.D

Acq: 27 Jun 2016 7:29

Instrument :

BNA_F

ClientSampleId :

W-24

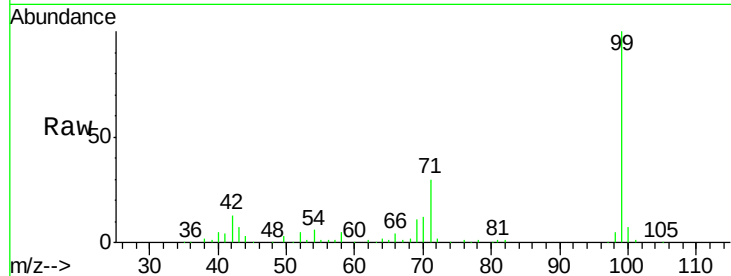
Tot Ion: 99 Resp: 175994

Ion Ratio Lower Upper

99 100

42 12.8 12.2 18.2

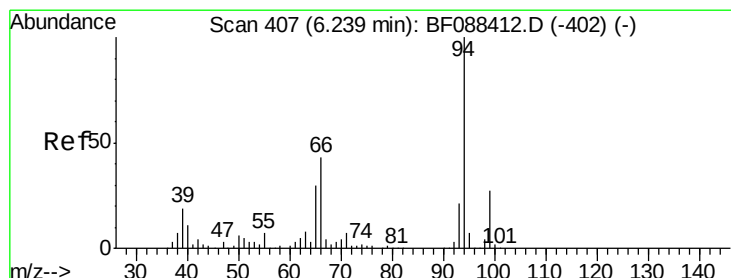
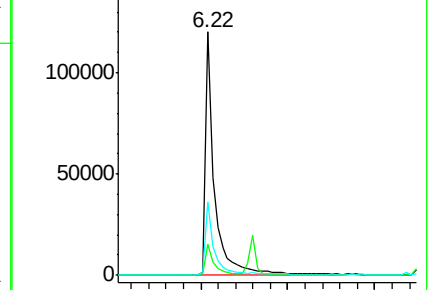
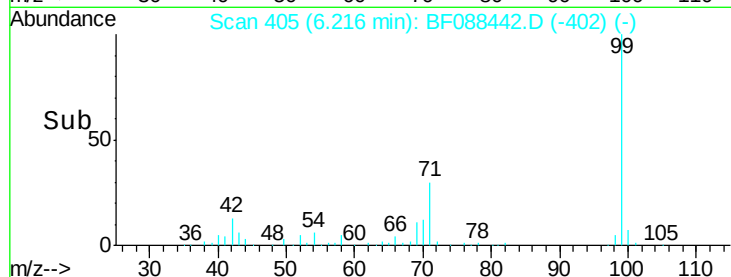
71 30.3 23.4 35.0



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: BF088442.D

Acq: 27 Jun 2016 7:29

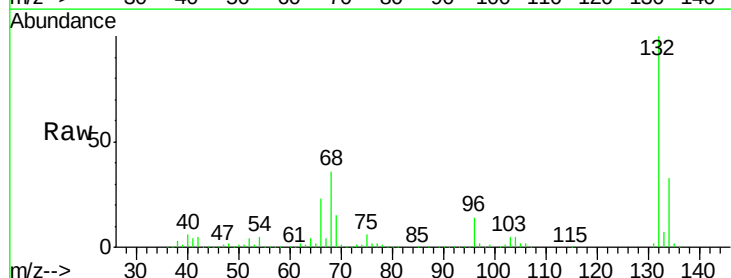
Tgt Ion: 94 Resp: 492

Ion Ratio Lower Upper

94 100

65 1013.1 5.9 45.9#

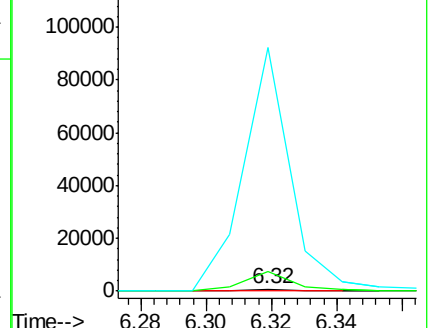
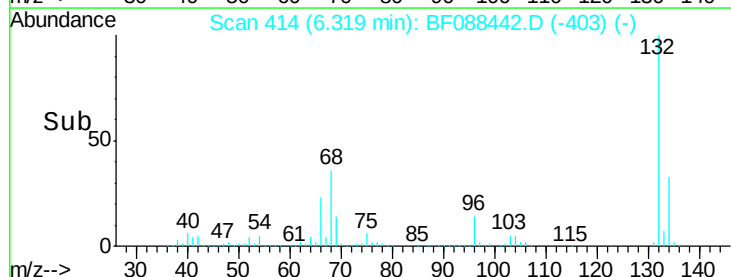
66 12863.6 14.0 54.0#

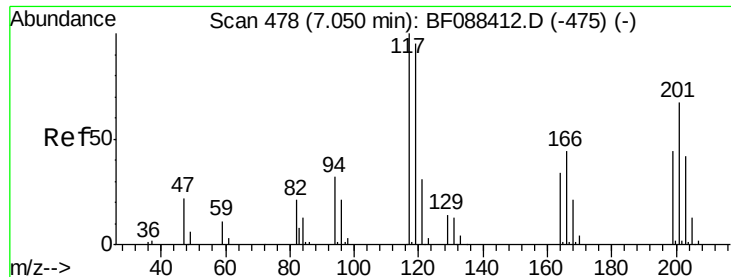


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

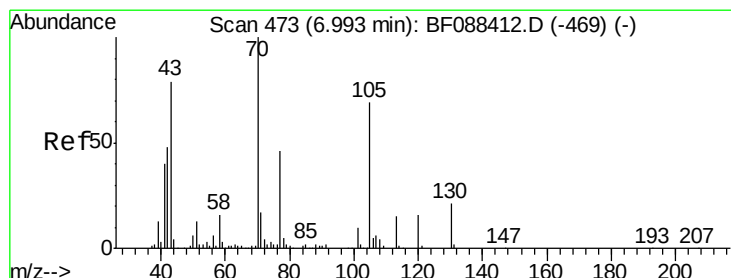
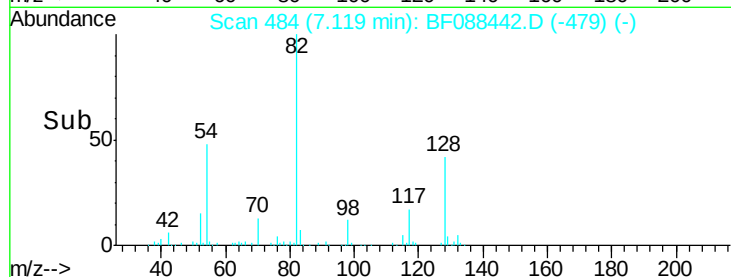
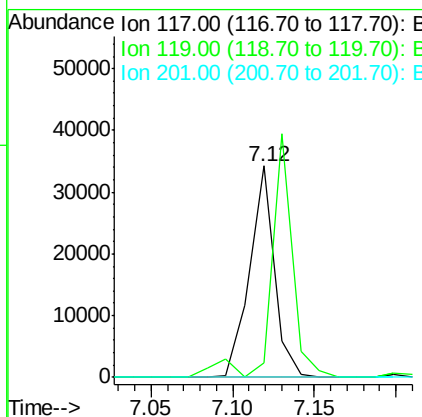
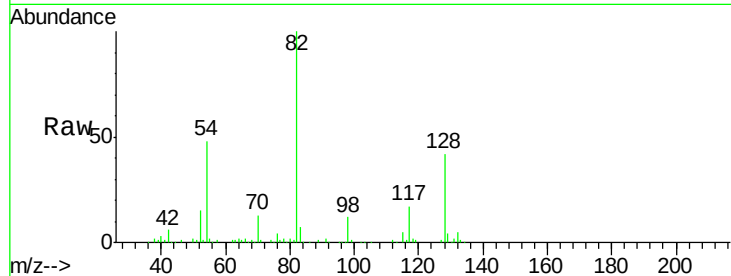




#18
Hexachloroethane
Concen: 5.87 ng
RT: 7.12 min Scan# 484
Delta R.T. -0.24 min
Lab File: BF088442.D
Acq: 27 Jun 2016 7:29

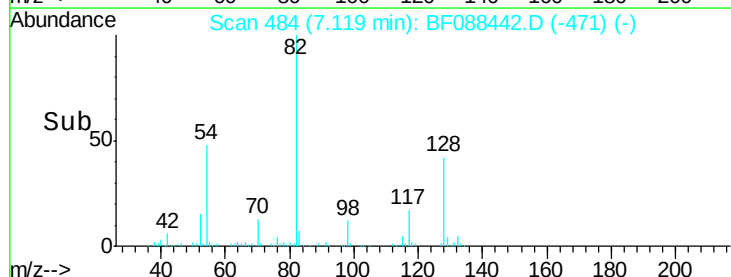
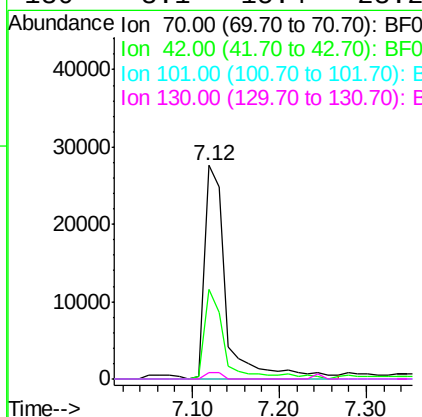
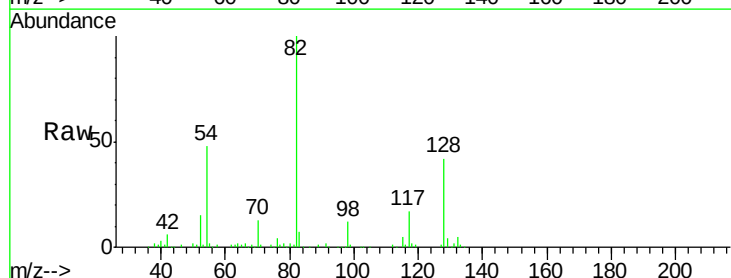
Instrument :
BNA_F
ClientSampled :
W-24

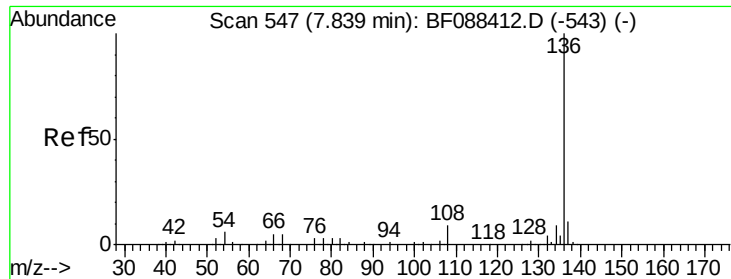
Tot Ion:117 Resp: 36140
Ion Ratio Lower Upper
117 100
119 6.6 77.4 116.2#
201 0.0 80.4 120.6#



#19
n-Nitroso-di-n-propylamine
Concen: 4.54 ng
RT: 7.12 min Scan# 484
Delta R.T. -0.15 min
Lab File: BF088442.D
Acq: 27 Jun 2016 7:29

Tgt Ion: 70 Resp: 47711
Ion Ratio Lower Upper
70 100
42 42.2 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: BF088442.D

Acq: 27 Jun 2016 7:29

Instrument :

BNA_F

ClientSampleId :

W-24

Tot Ion:136 Resp: 287740

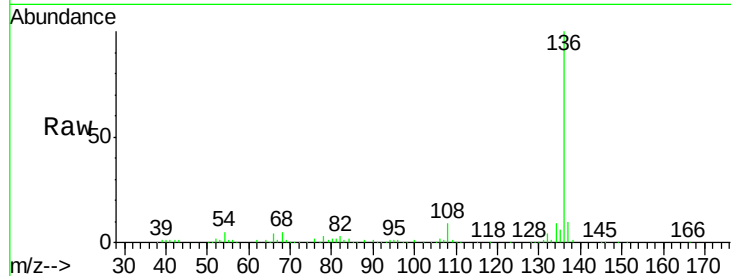
Ion Ratio Lower Upper

136 100

137 10.5 9.1 13.7

54 5.1 6.6 10.0#

68 4.7 5.1 7.7#

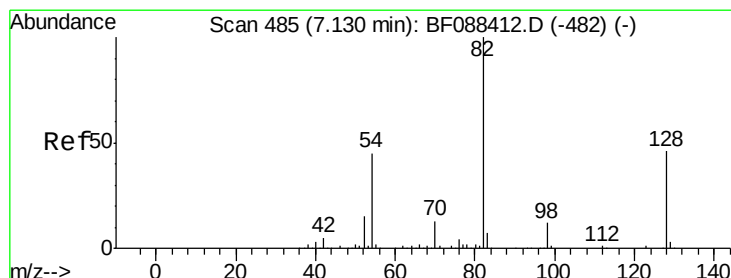
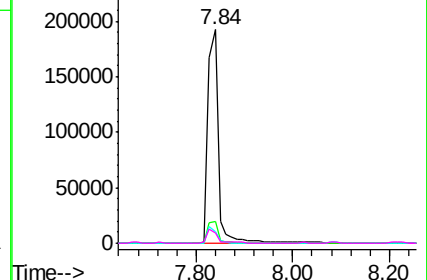
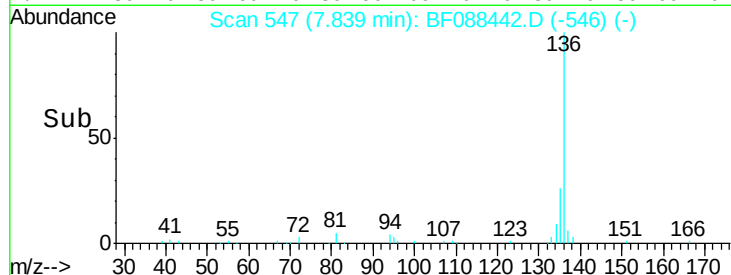


Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.18 ng

RT: 7.12 min Scan# 484

Delta R.T. -0.30 min

Lab File: BF088442.D

Acq: 27 Jun 2016 7:29

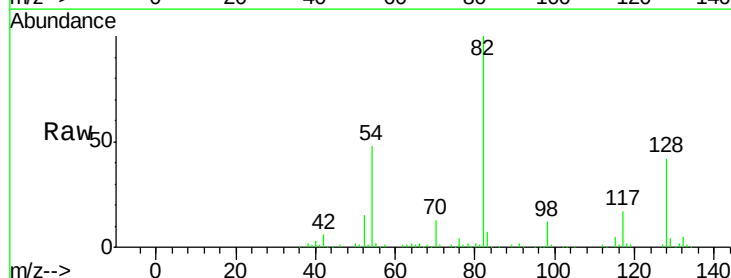
Tgt Ion: 82 Resp: 355675

Ion Ratio Lower Upper

82 100

128 42.3 35.9 53.9

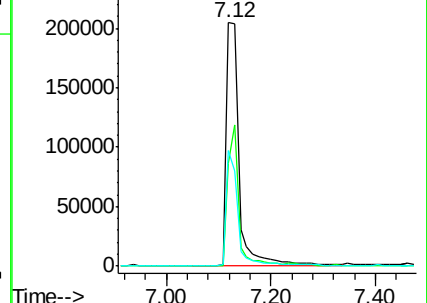
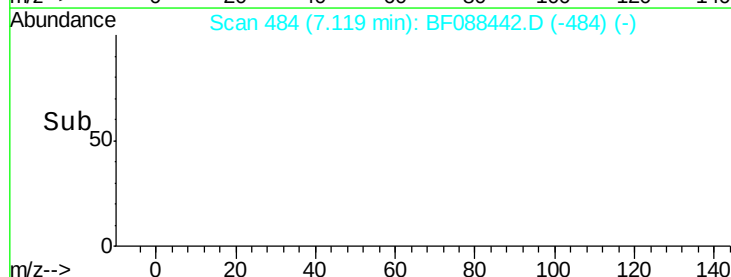
54 47.5 40.9 61.3

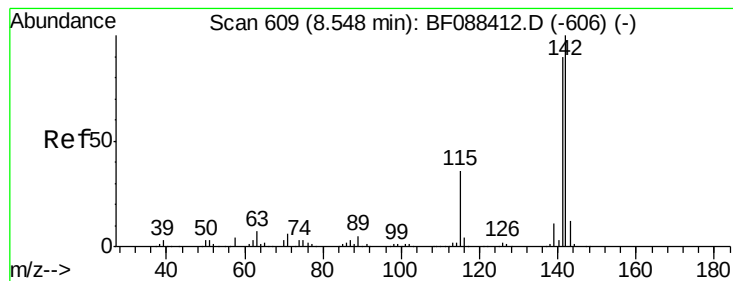


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

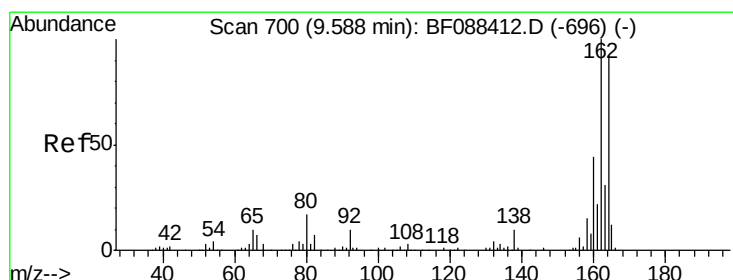
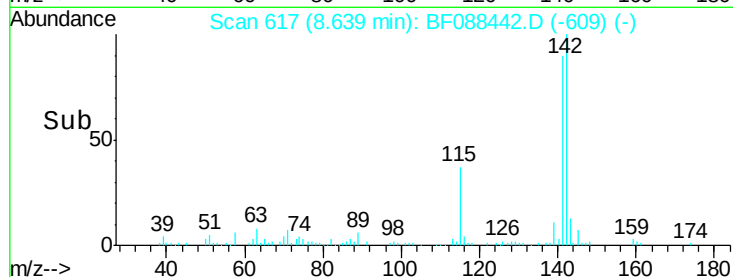
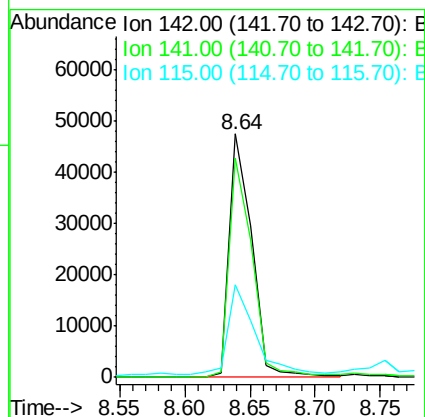
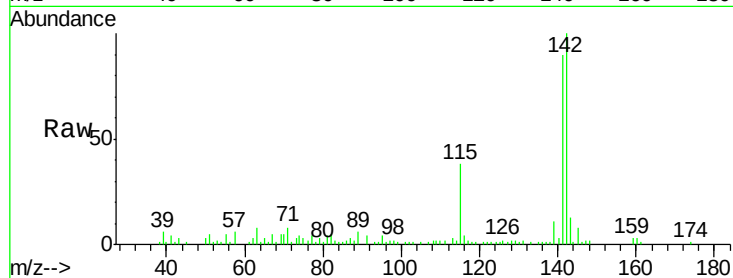




#37
2-Methylnaphthalene
Concen: 6.11 ng
RT: 8.64 min Scan# 617
Delta R.T. -0.21 min
Lab File: BF088442.D
Acq: 27 Jun 2016 7:29

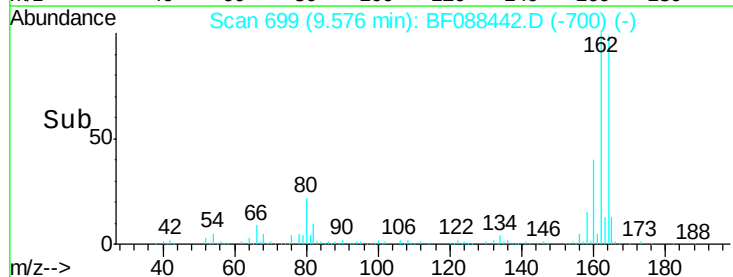
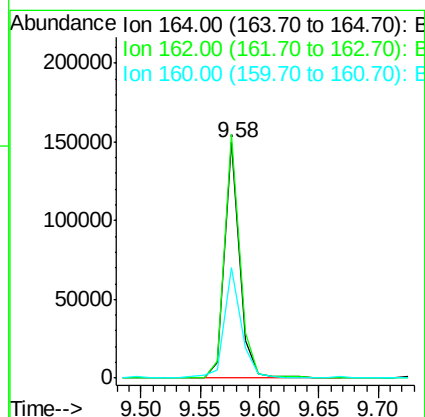
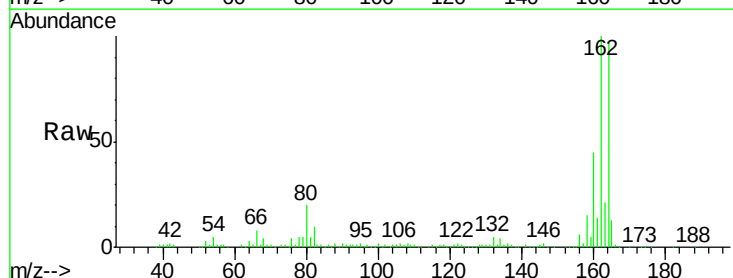
Instrument :
BNA_F
ClientSampleId :
W-24

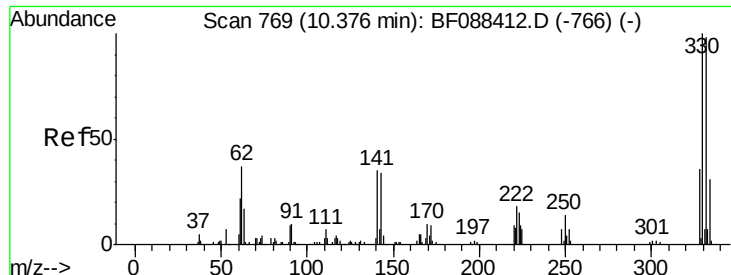
Tot Ion:142 Resp: 57385
Ion Ratio Lower Upper
142 100
141 89.9 71.0 106.6
115 37.9 22.6 33.8#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.58 min Scan# 699
Delta R.T. -0.31 min
Lab File: BF088442.D
Acq: 27 Jun 2016 7:29

Tgt Ion:164 Resp: 130602
Ion Ratio Lower Upper
164 100
162 103.4 85.4 128.2
160 46.8 39.5 59.3

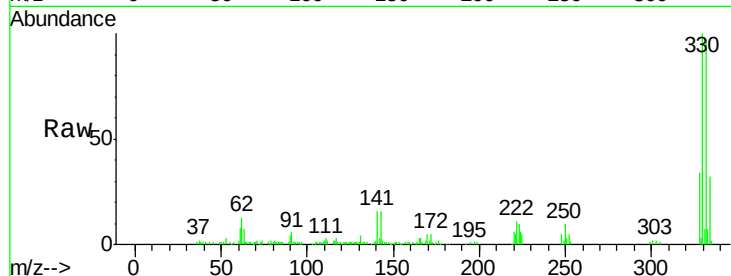




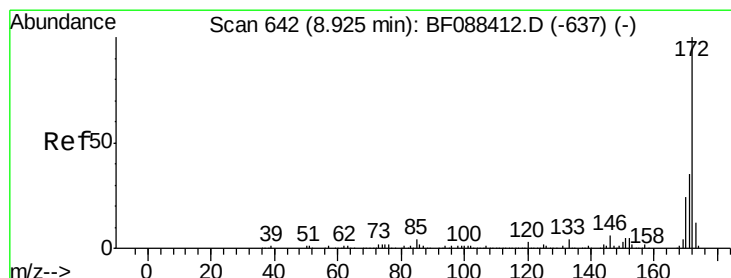
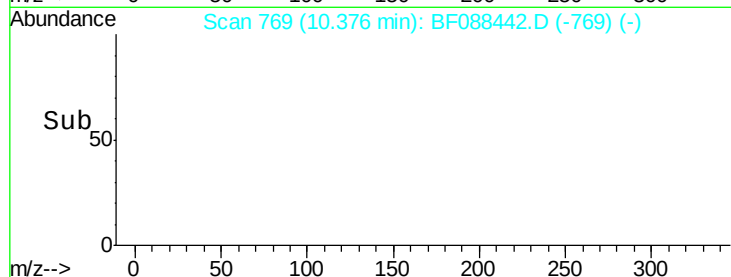
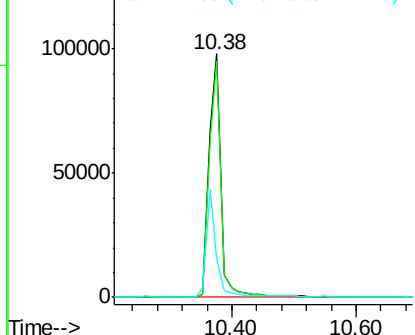
#41
 2,4,6-Tribromophenol
 Concen: 94.81 ng
 RT: 10.38 min Scan# 769
 Delta R.T. -0.30 min
 Lab File: BF088442.D
 Acq: 27 Jun 2016 7:29

Instrument :
 BNA_F
 ClientSampleId :
 W-24

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	0.0	0.0#
141	38.2	0.0	0.0#

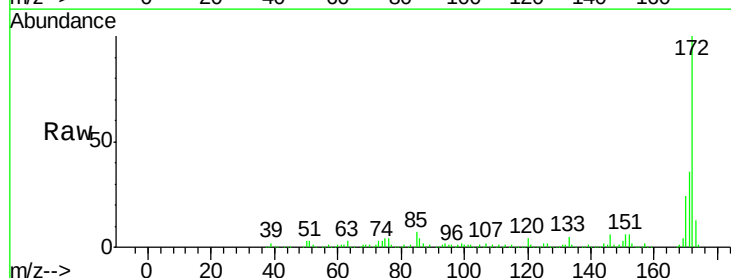


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

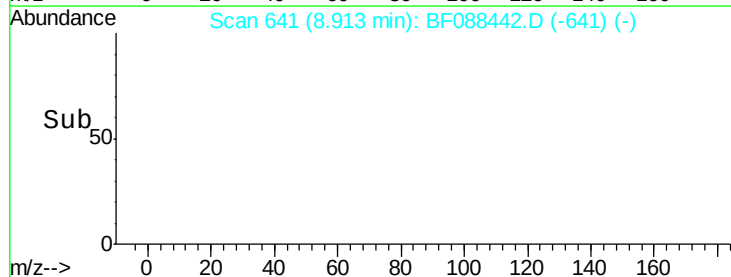
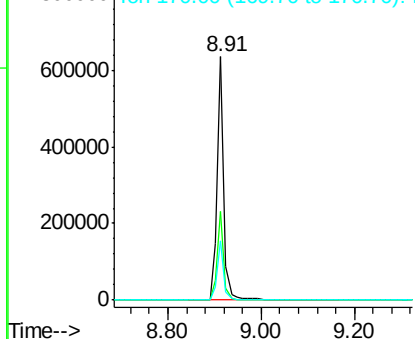


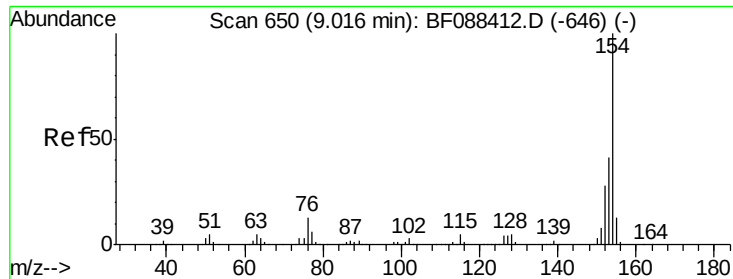
#44
 2-Fluorobiphenyl
 Concen: 76.07 ng
 RT: 8.91 min Scan# 641
 Delta R.T. -0.30 min
 Lab File: BF088442.D
 Acq: 27 Jun 2016 7:29

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: 8.91 min Scan# 641

Delta R.T. -0.39 min

Lab File: BF088442.D

Acq: 27 Jun 2016 7:29

Instrument :

BNA_F

ClientSampleId :

W-24

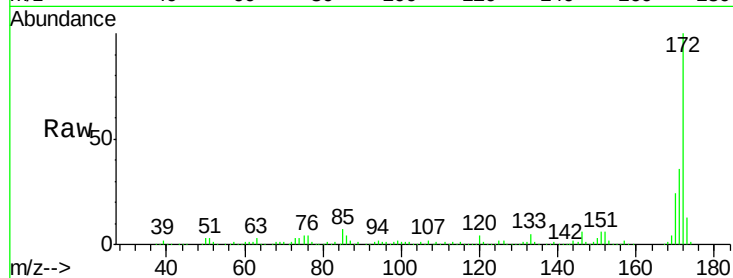
Tot Ion:154 Resp: 1246

Ion Ratio Lower Upper

154 100

153 919.7 20.6 60.6#

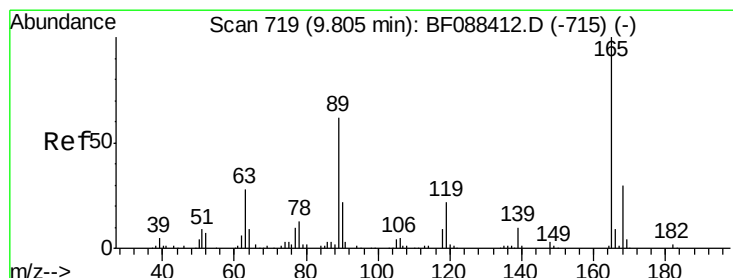
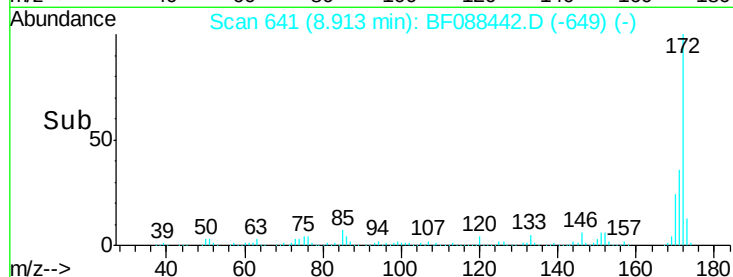
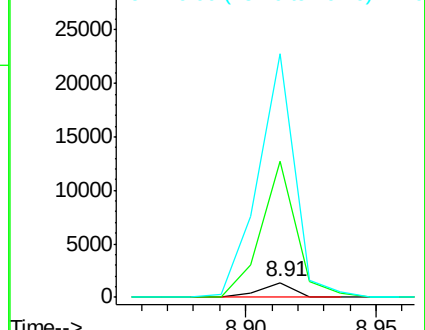
76 1642.7 0.0 35.1#



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



#56

2,4-Dinitrotoluene

Concen: 6.34 ng

RT: 9.58 min Scan# 699

Delta R.T. -0.49 min

Lab File: BF088442.D

Acq: 27 Jun 2016 7:29

Tgt Ion:165 Resp: 17648

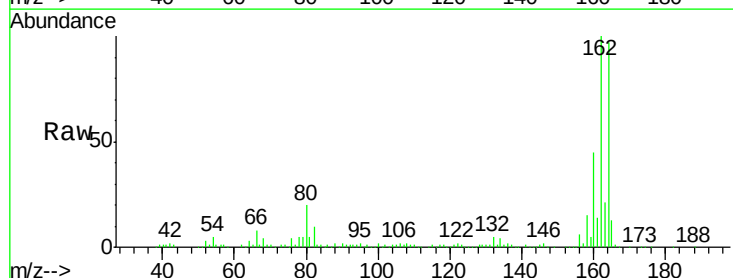
Ion Ratio Lower Upper

165 100

63 2.9 22.0 33.0#

89 2.8 41.1 61.7#

182 2.3 2.0 3.0

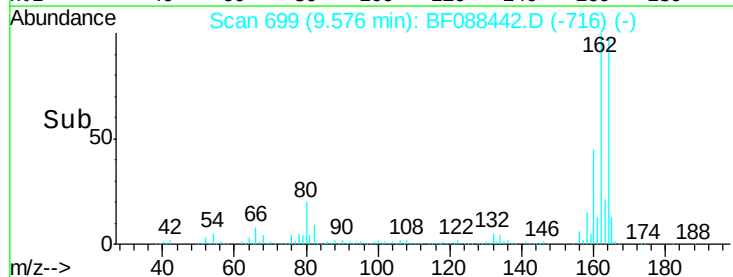
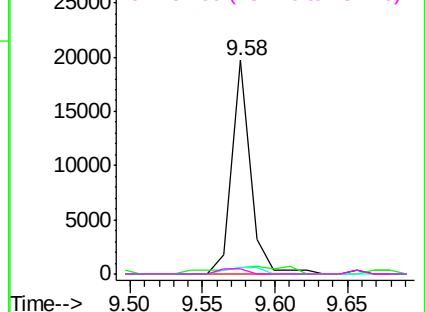


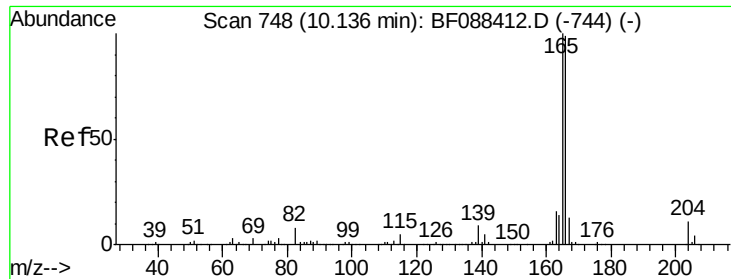
Abundance Ion 165.00 (164.70 to 165.70): E

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. -0.31 min

Lab File: BF088442.D

Acq: 27 Jun 2016 7:29

Instrument :

BNA_F

ClientSampled :

W-24

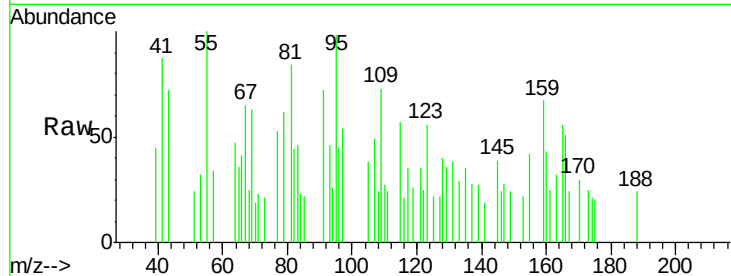
Tot Ion:166 Resp: 548

Ion Ratio Lower Upper

166 100

165 109.8 77.8 116.8

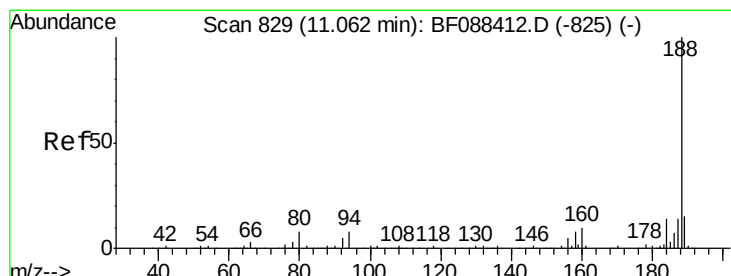
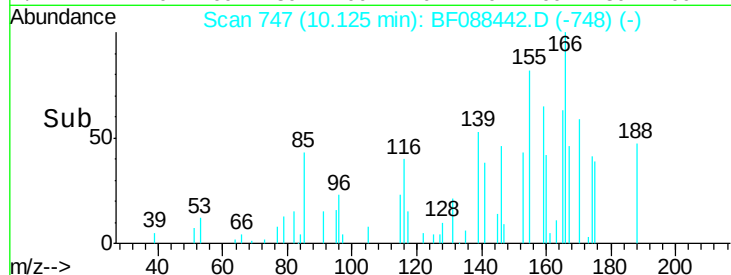
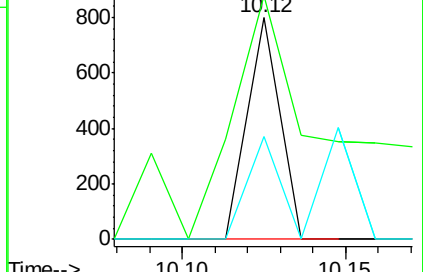
167 46.3 11.2 16.8#



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. -0.31 min

Lab File: BF088442.D

Acq: 27 Jun 2016 7:29

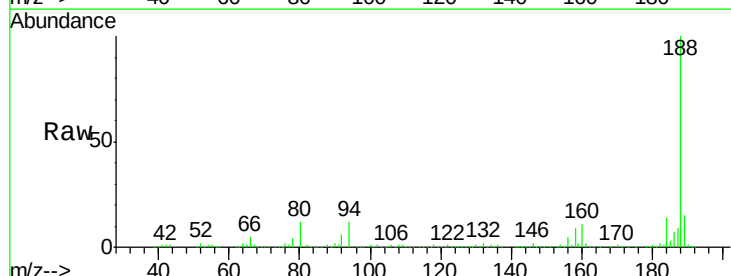
Tgt Ion:188 Resp: 217903

Ion Ratio Lower Upper

188 100

94 11.8 9.0 13.6

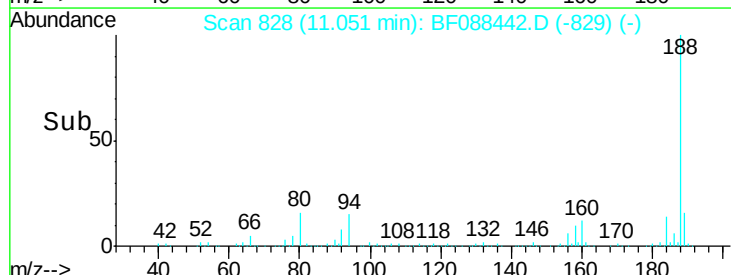
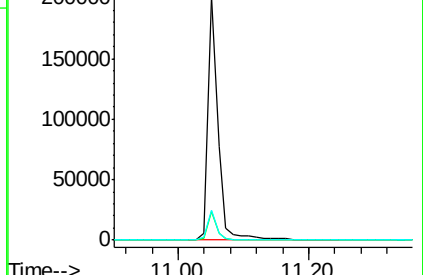
80 12.2 10.0 15.0

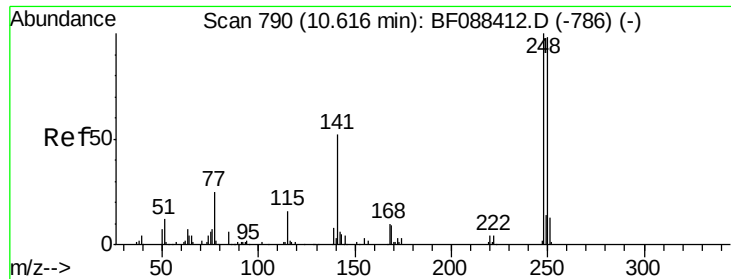


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 3.31 ng

RT: 10.36 min Scan# 768

Delta R.T. -0.55 min

Lab File: BF088442.D

Acq: 27 Jun 2016 7:29

Instrument :

BNA_F

ClientSampleId :

W-24

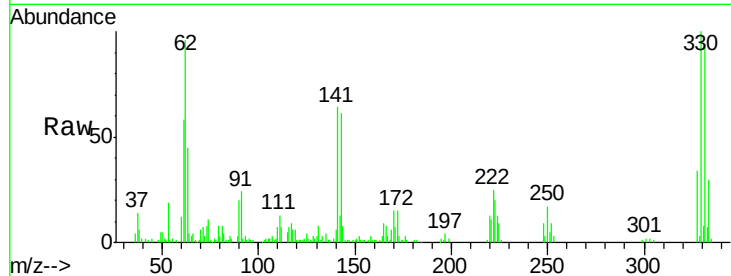
Tot Ion:248 Resp: 7744

Ion Ratio Lower Upper

248 100

250 197.8 77.1 115.7#

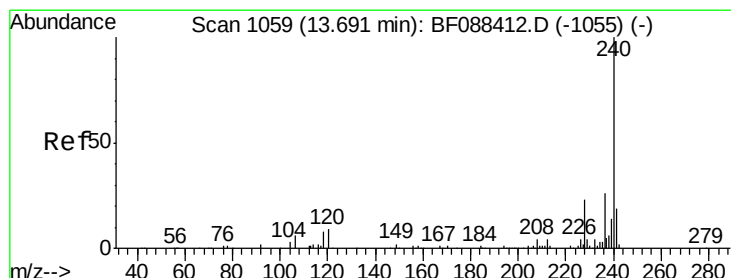
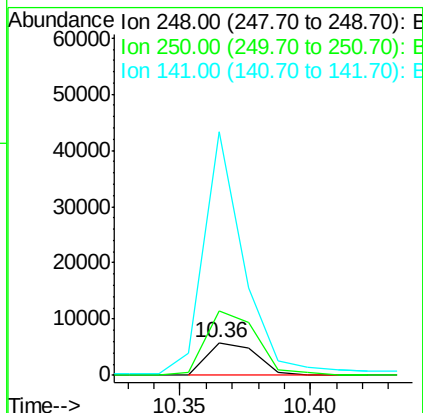
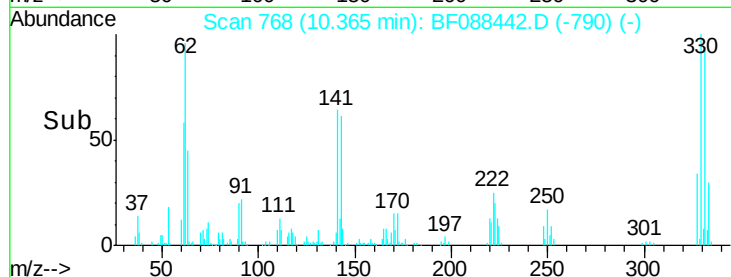
141 745.5 50.6 76.0#



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: BF088442.D

Acq: 27 Jun 2016 7:29

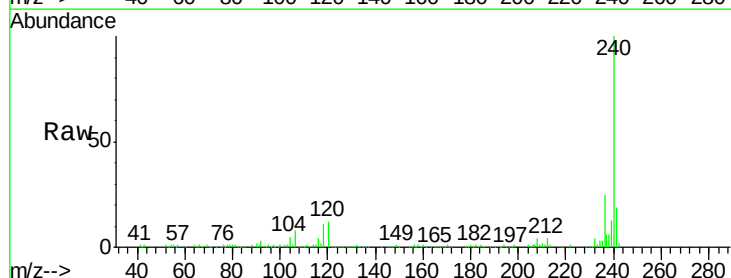
Tgt Ion:240 Resp: 155805

Ion Ratio Lower Upper

240 100

120 11.9 6.8 10.2#

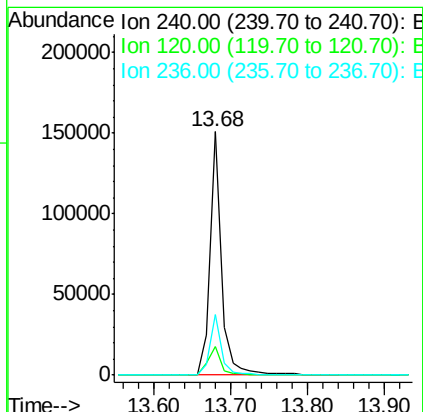
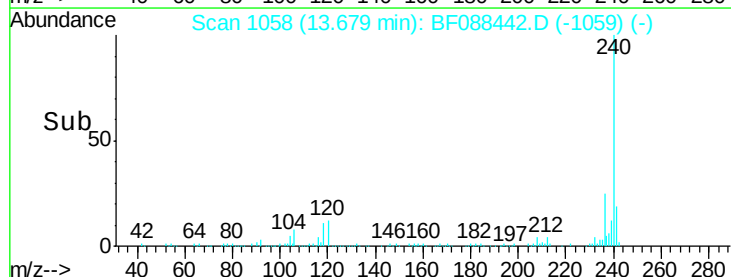
236 24.9 20.2 30.2

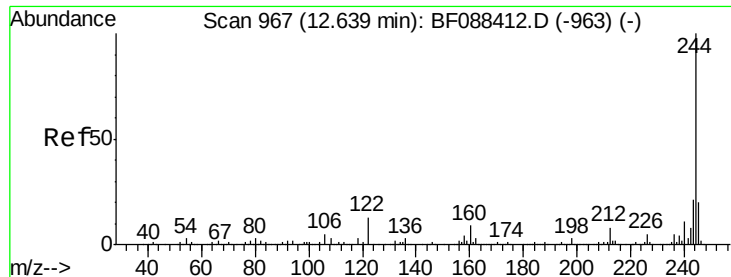


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

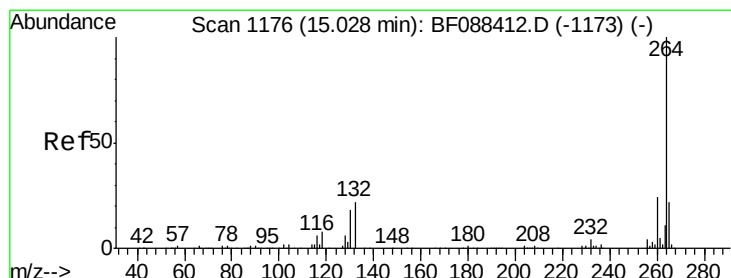
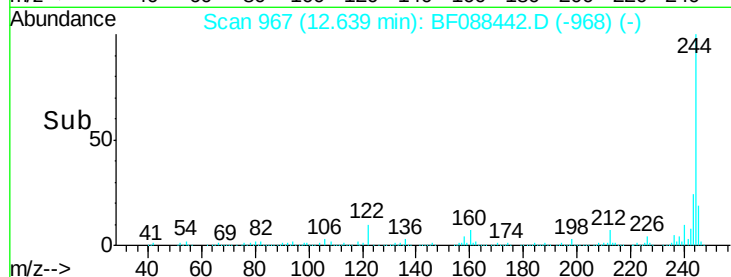
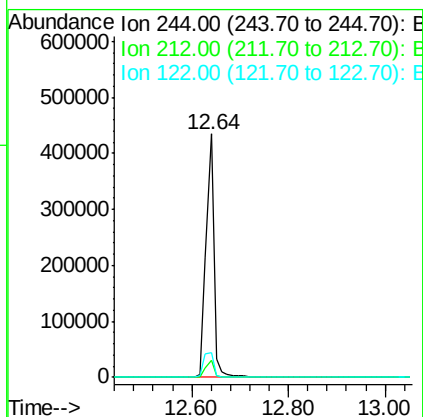
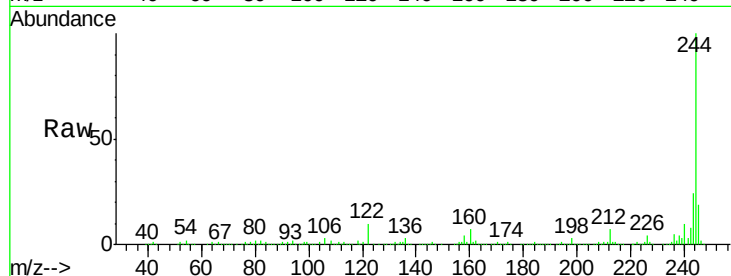




#78
 Terphenyl-d14
 Concen: 72.51 ng
 RT: 12.64 min Scan# 967
 Delta R.T. -0.31 min
 Lab File: BF088442.D
 Acq: 27 Jun 2016 7:29

Instrument :
 BNA_F
 ClientSampleId :
 W-24

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	10.4	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: BF088442.D
 Acq: 27 Jun 2016 7:29

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.6	16.9	25.3

