

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
 Data File : BF088441.D
 Acq On : 27 Jun 2016 6:59
 Operator : UM/SJ
 Sample : PB91573TB
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB91573TB

Quant Time: Jun 27 08:15:48 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

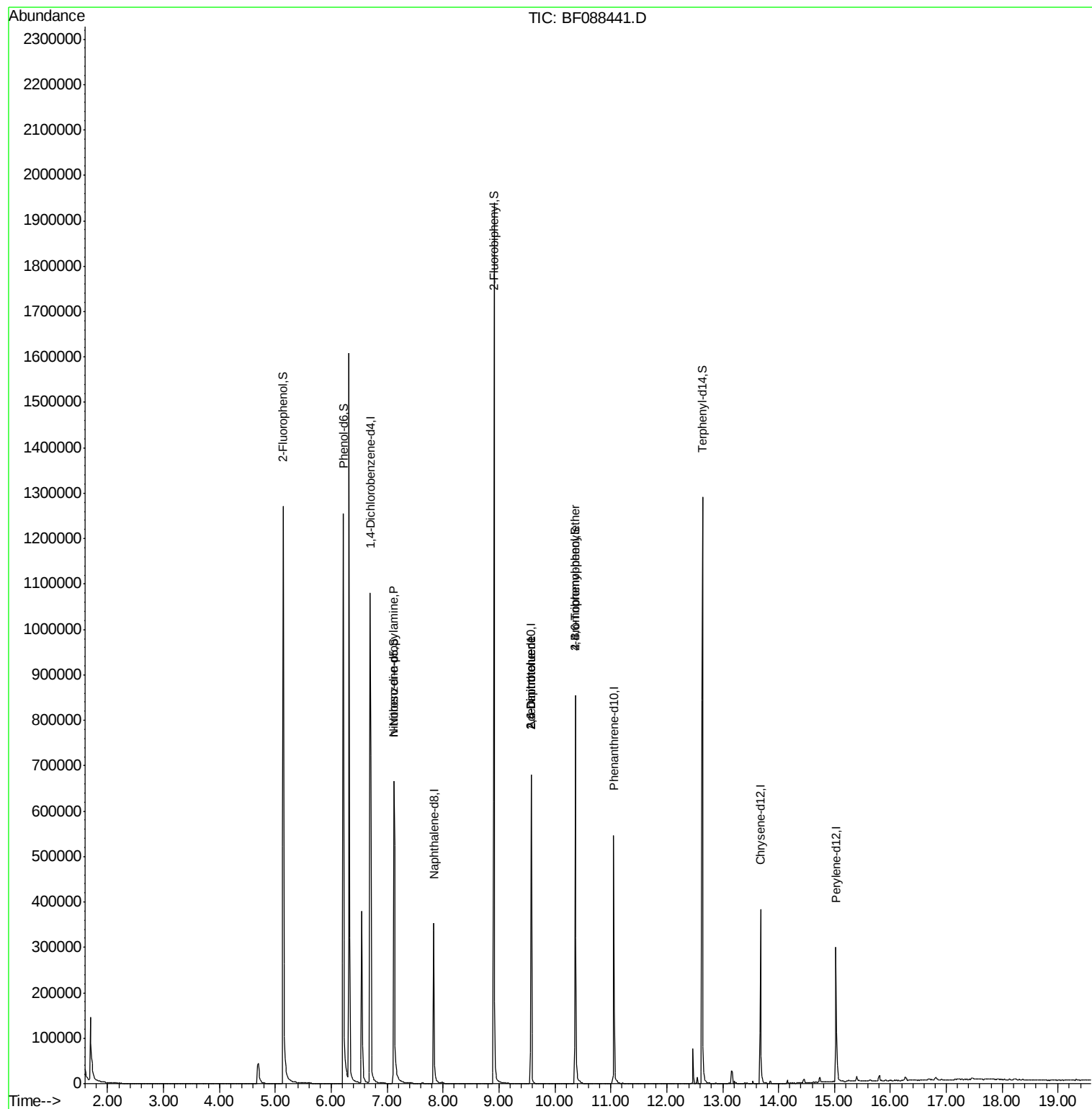
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	253906	20.00	ng	-0.15
21) Naphthalene-d8	7.84	136	299544	20.00	ng	-0.29
38) Acenaphthene-d10	9.58	164	134990	20.00	ng	-0.31
63) Phenanthrene-d10	11.05	188	230269	20.00	ng	-0.31
75) Chrysene-d12	13.68	240	157744	20.00	ng	-0.31
86) Perylene-d12	15.03	264	135581	20.00	ng	-0.37
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	525952	35.41	ng	-0.29
7) Phenol-d6	6.22	99	592437	32.91	ng	-0.26
23) Nitrobenzene-d5	7.12	82	373268	72.77	ng	-0.30
41) 2,4,6-Tribromophenol	10.36	330	124385	87.27	ng	-0.31
44) 2-Fluorobiphenyl	8.91	172	698091	80.98	ng	-0.30
78) Terphenyl-d14	12.64	244	551658	79.58	ng	-0.31
Target Compounds						
10) Phenol	6.32	94	676	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.12	70	46500	4.04	ng	# 72
45) 1,1'-Biphenyl	8.91	154	1269	Below Cal	#	1
50) 2,6-Dinitrotoluene	9.58	165	17113	7.64	ng	# 37
56) 2,4-Dinitrotoluene	9.58	165	17114	5.95	ng	# 36
66) 4-Bromophenyl-phenylether	10.36	248	7416	3.00	ng	# 1

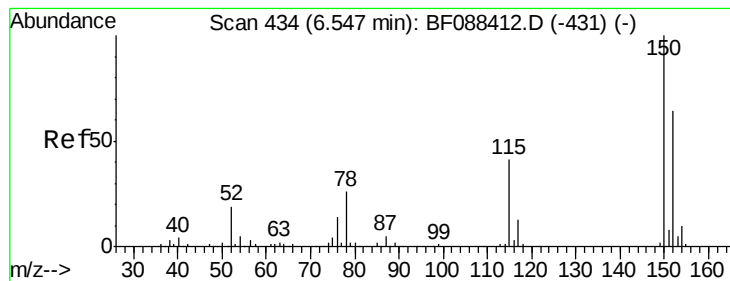
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF088441.D

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Instrument :

BNA_F

ClientSampleId :

PB91573TB

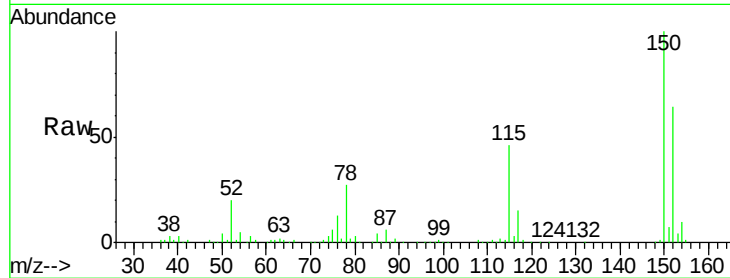
Tot Ion:152 Resp: 253906

Ion Ratio Lower Upper

152 100

150 157.0 123.8 185.6

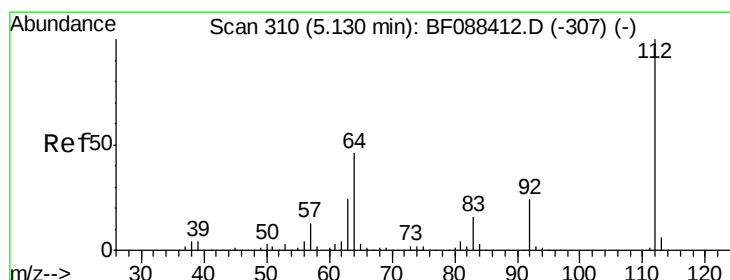
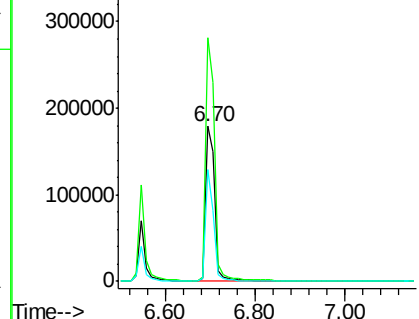
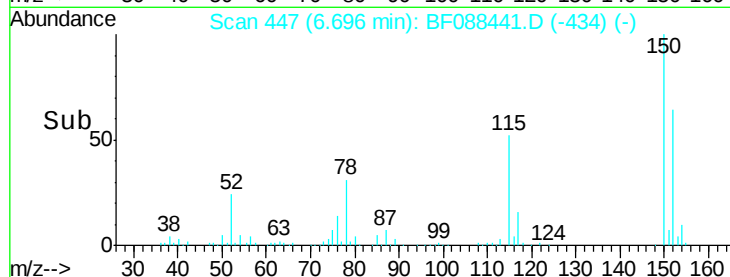
115 72.0 39.6 59.4#



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: 35.41 ng

RT: 5.14 min Scan# 311

Delta R.T. -0.29 min

Lab File: BF088441.D

Acq: 27 Jun 2016 6:59

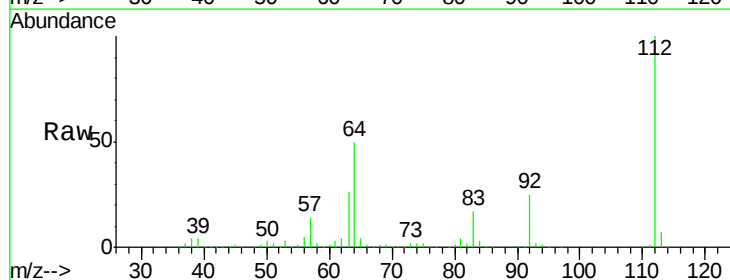
Tgt Ion:112 Resp: 525952

Ion Ratio Lower Upper

112 100

64 50.3 42.2 63.2

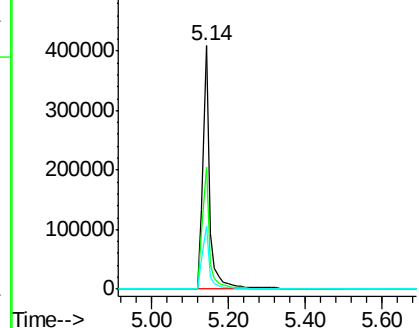
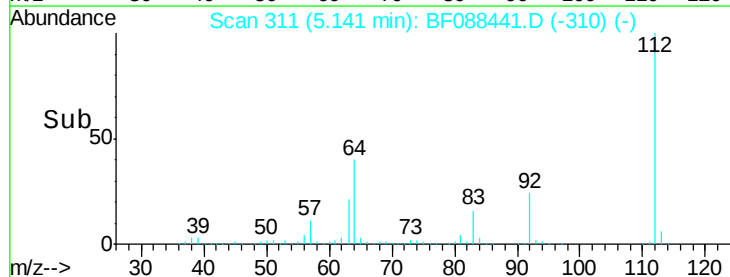
63 26.0 21.8 32.8

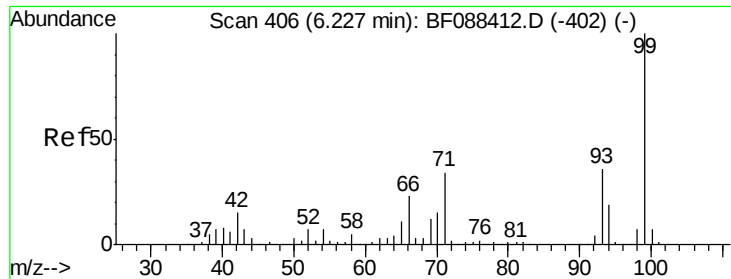


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 32.91 ng

RT: 6.22 min Scan# 405

Delta R.T. -0.26 min

Lab File: BF088441.D

Acq: 27 Jun 2016 6:59

Instrument :

BNA_F

ClientSampleId :

PB91573TB

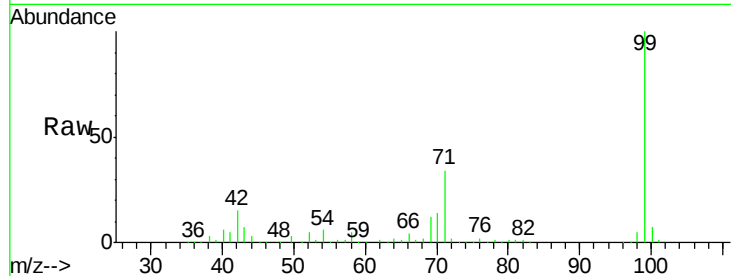
Tot Ion: 99 Resp: 592437

Ion Ratio Lower Upper

99 100

42 15.3 12.2 18.2

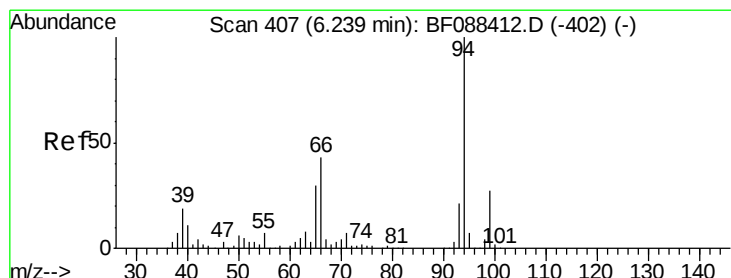
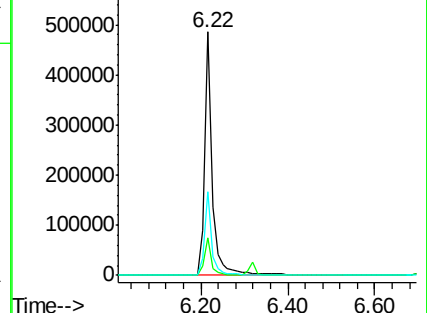
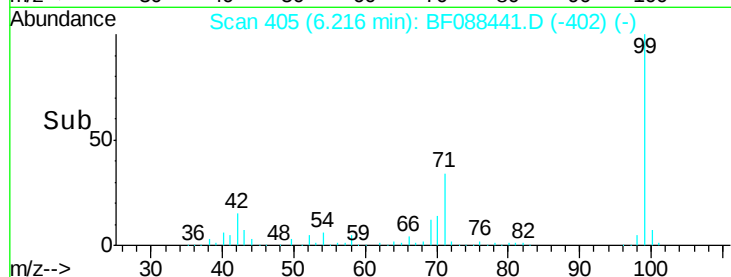
71 34.3 23.4 35.0



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: BF088441.D

Acq: 27 Jun 2016 6:59

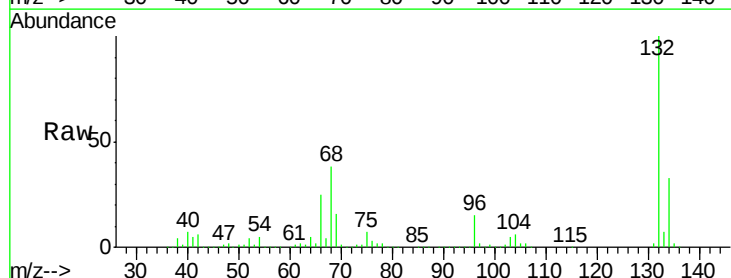
Tgt Ion: 94 Resp: 676

Ion Ratio Lower Upper

94 100

65 972.4 5.9 45.9#

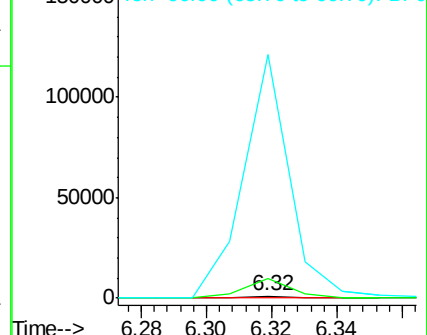
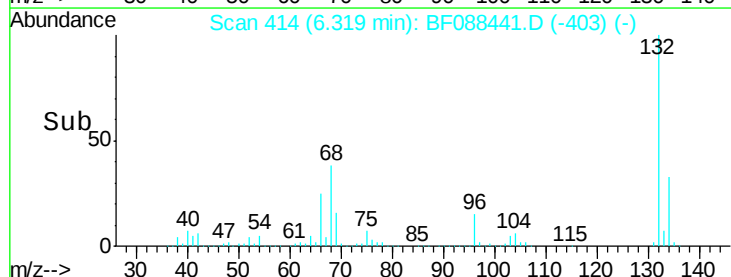
66 12297.8 14.0 54.0#

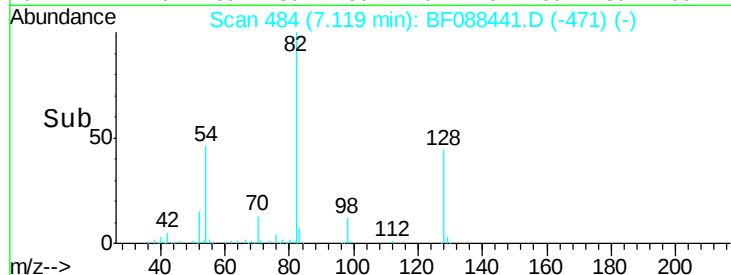
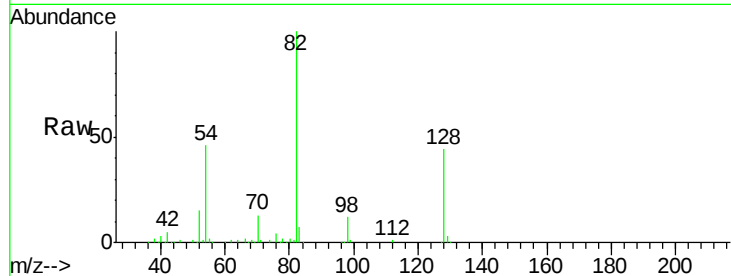
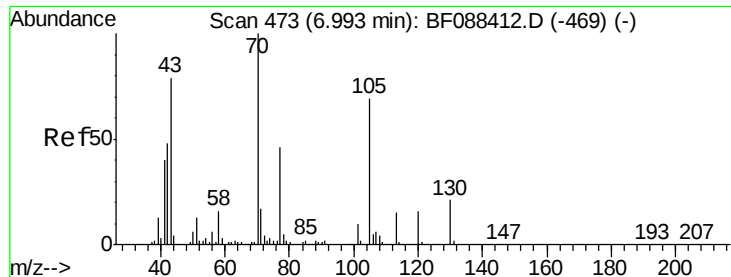


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

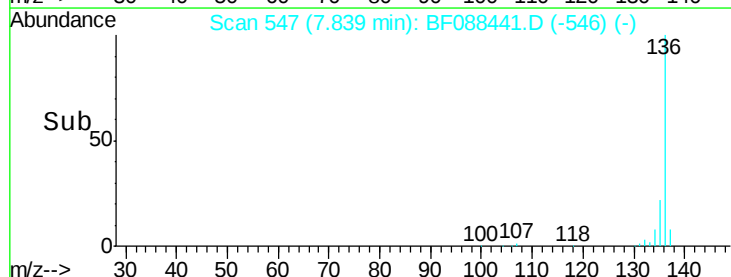
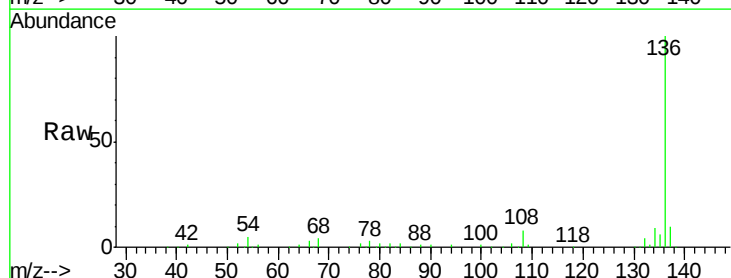
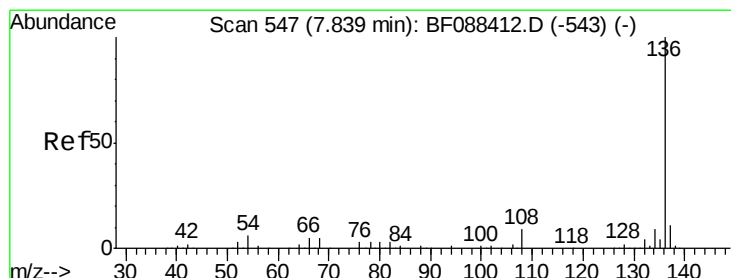
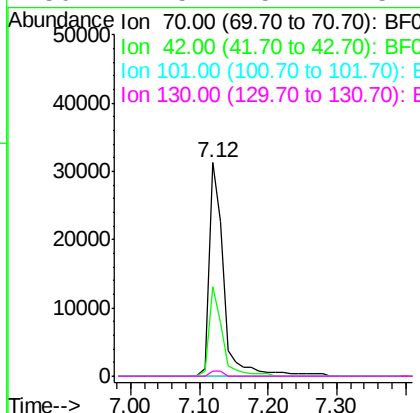




#19
n-Nitroso-di-n-propylamine
Concen: 4.04 ng
RT: 7.12 min Scan# 484
Delta R.T. -0.15 min
Lab File: BF088441.D
Acq: 27 Jun 2016 6:59

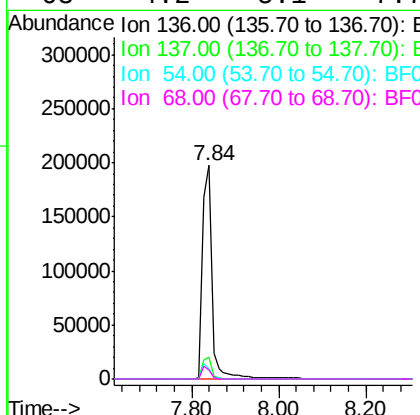
Instrument :
BNA_F
ClientSampleId :
PB91573TB

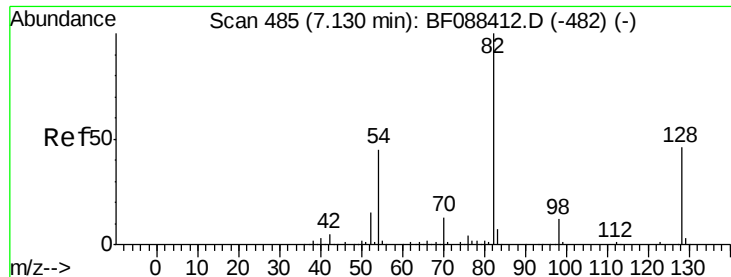
Tot Ion: 70 Resp: 46500
Ion Ratio Lower Upper
70 100
42 42.1 49.6 74.4#
101 0.0 7.1 10.7#
130 2.5 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.84 min Scan# 547
Delta R.T. -0.29 min
Lab File: BF088441.D
Acq: 27 Jun 2016 6:59

Tgt Ion: 136 Resp: 299544
Ion Ratio Lower Upper
136 100
137 10.3 9.1 13.7
54 4.8 6.6 10.0#
68 4.2 5.1 7.7#

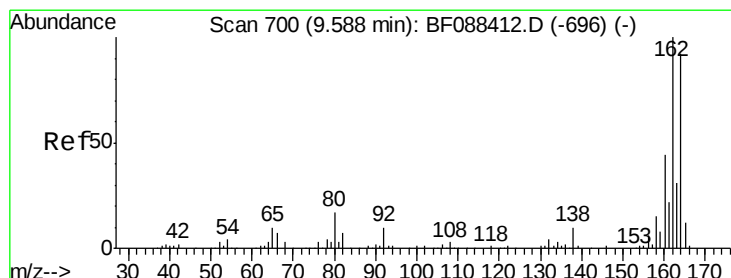
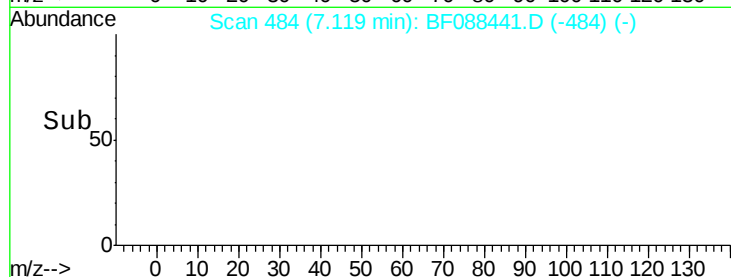
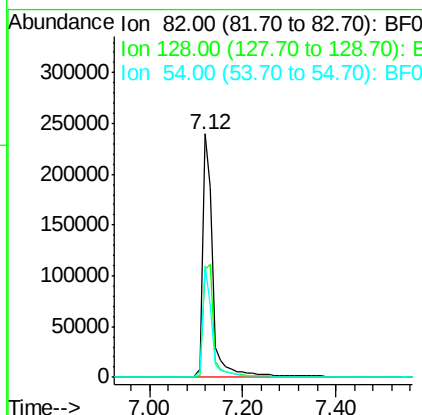
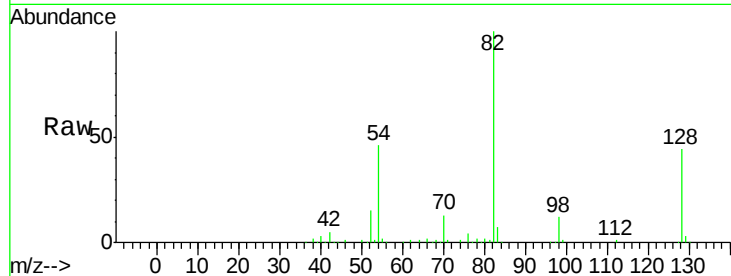




#23
 Nitrobenzene-d5
 Concen: 72.77 ng
 RT: 7.12 min Scan# 484
 Delta R.T. -0.30 min
 Lab File: BF088441.D
 Acq: 27 Jun 2016 6:59

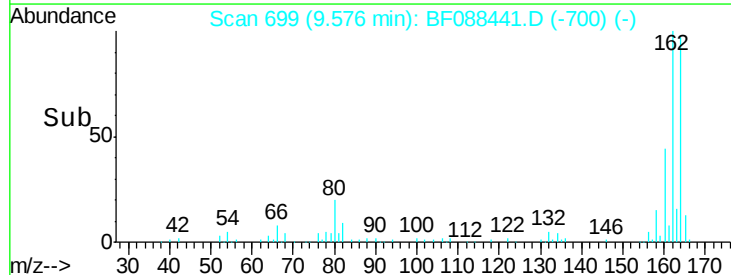
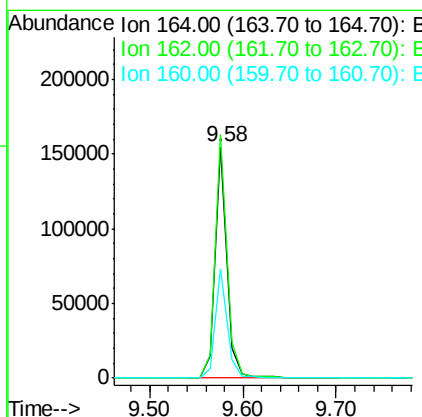
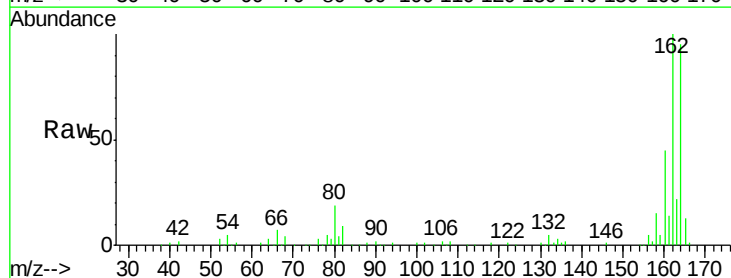
Instrument :
 BNA_F
 ClientSampleId :
 PB91573TB

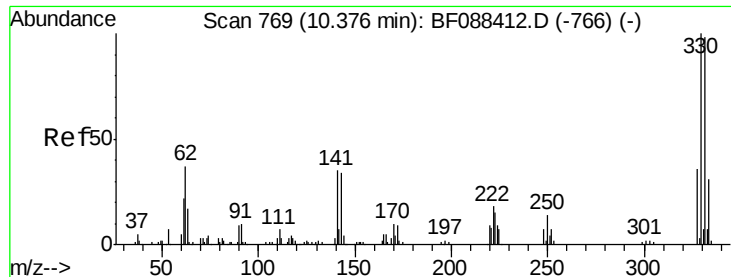
Tot Ion: 82 Resp: 373268
 Ion Ratio Lower Upper
 82 100
 128 44.1 35.9 53.9
 54 45.9 40.9 61.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.58 min Scan# 699
 Delta R.T. -0.31 min
 Lab File: BF088441.D
 Acq: 27 Jun 2016 6:59

Tgt Ion: 164 Resp: 134990
 Ion Ratio Lower Upper
 164 100
 162 105.4 85.4 128.2
 160 47.4 39.5 59.3

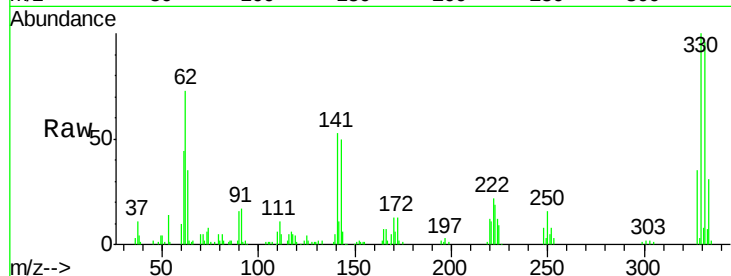




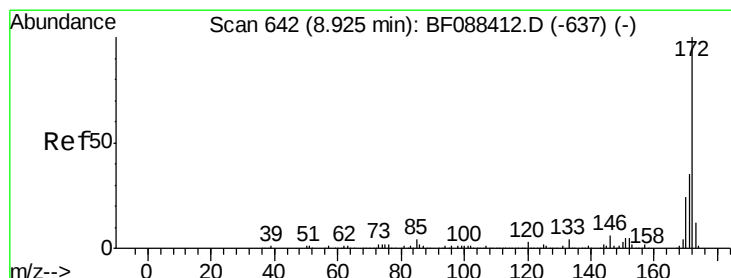
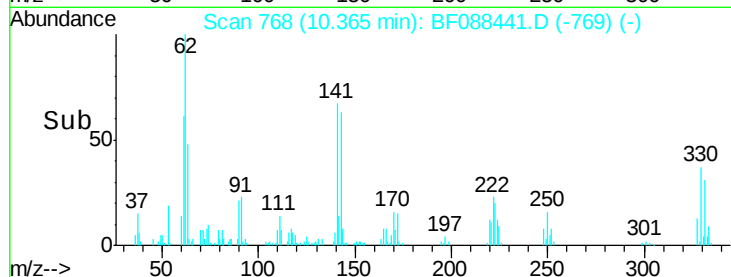
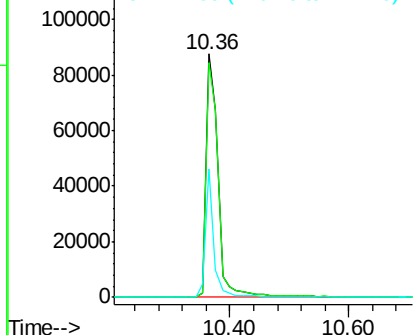
#41
 2,4,6-Tribromophenol
 Concen: 87.27 ng
 RT: 10.36 min Scan# 768
 Delta R.T. -0.31 min
 Lab File: BF088441.D
 Acq: 27 Jun 2016 6:59

Instrument :
 BNA_F
 ClientSampleId :
 PB91573TB

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.8	0.0	0.0#
141	37.3	0.0	0.0#

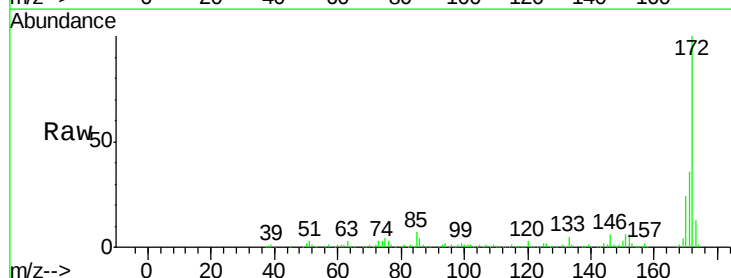


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

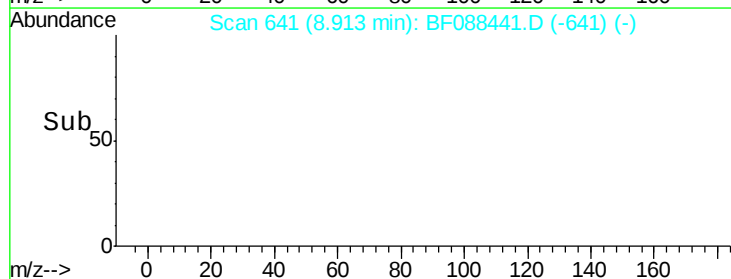
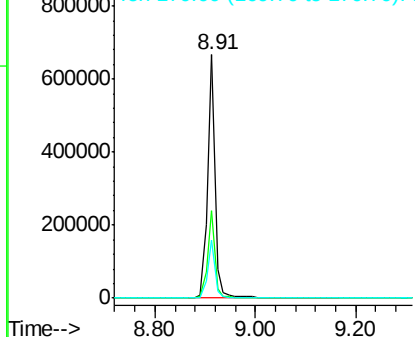


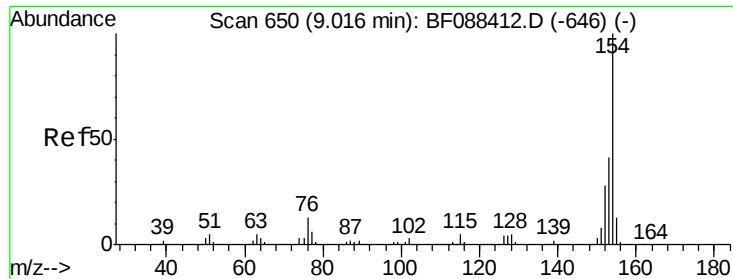
#44
 2-Fluorobiphenyl
 Concen: 80.98 ng
 RT: 8.91 min Scan# 641
 Delta R.T. -0.30 min
 Lab File: BF088441.D
 Acq: 27 Jun 2016 6:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.6	43.0
170	23.9	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: BF088441.D

Acq: 27 Jun 2016 6:59

Instrument :

BNA_F

ClientSampleId :

PB91573TB

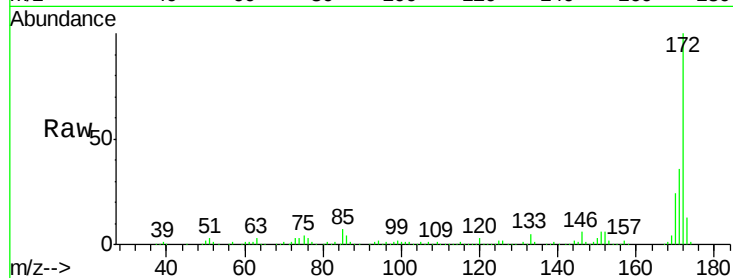
Tot Ion:154 Resp: 1269

Ion Ratio Lower Upper

154 100

153 928.9 20.6 60.6#

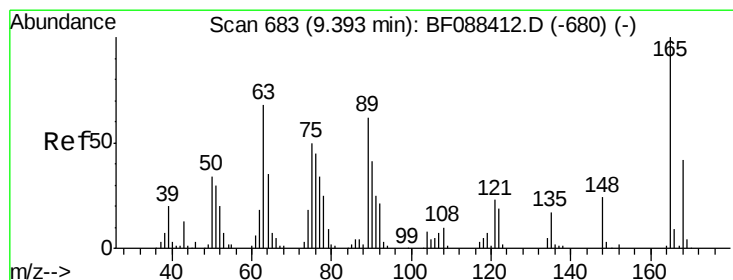
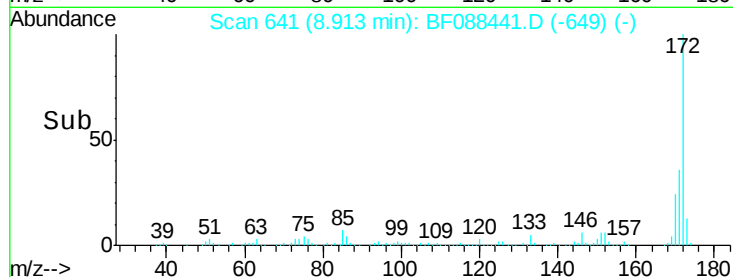
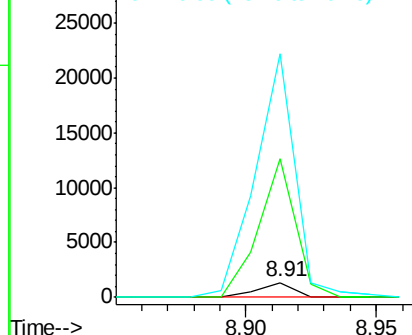
76 1625.2 0.0 35.1#



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: 7.64 ng

RT: 9.58 min Scan# 699

Delta R.T. -0.09 min

Lab File: BF088441.D

Acq: 27 Jun 2016 6:59

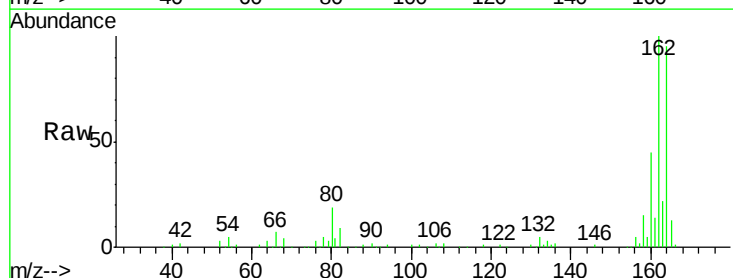
Tgt Ion:165 Resp: 17113

Ion Ratio Lower Upper

165 100

63 0.0 28.1 42.1#

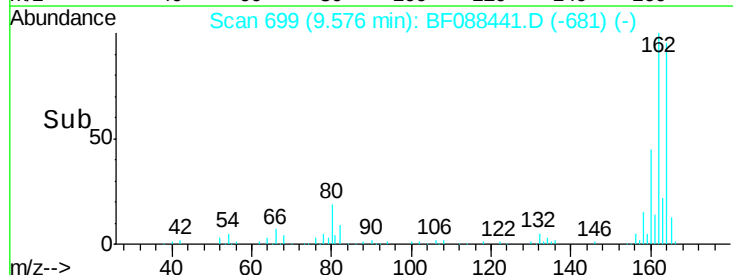
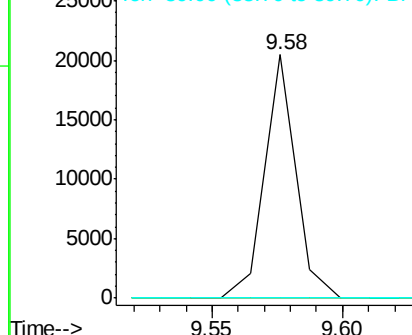
89 0.0 32.2 48.2#

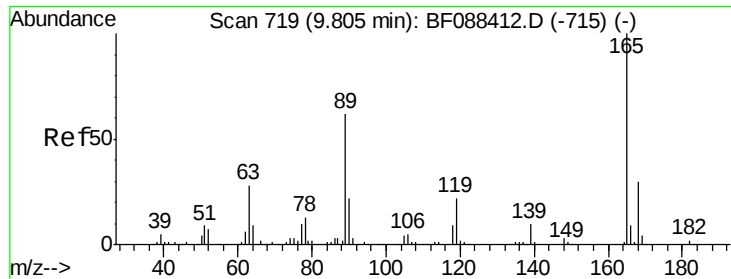


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

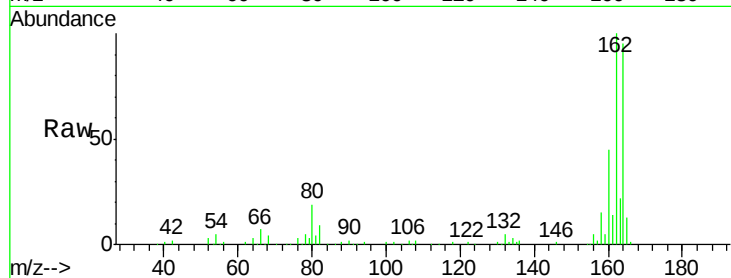




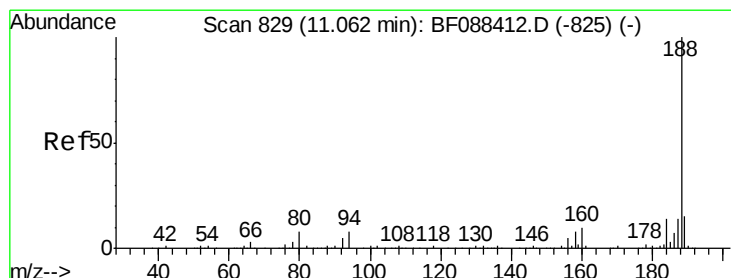
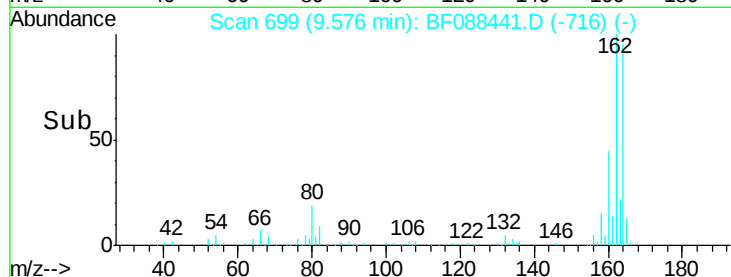
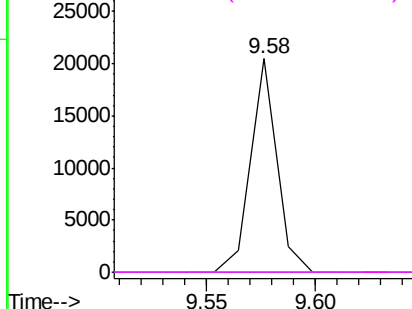
#56
 2,4-Dinitrotoluene
 Concen: 5.95 ng
 RT: 9.58 min Scan# 699
 Delta R.T. -0.49 min
 Lab File: BF088441.D
 Acq: 27 Jun 2016 6:59

Instrument :
 BNA_F
 ClientSampleId :
 PB91573TB

Tot Ion:165 Resp: 17114
 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#

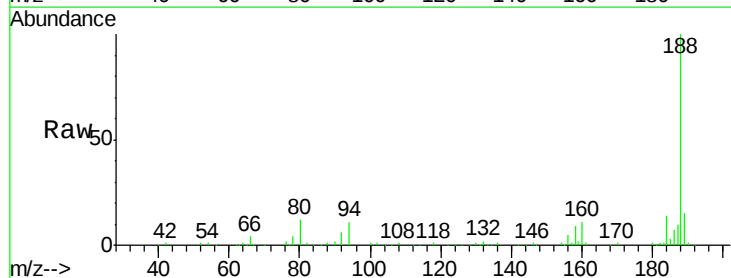


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

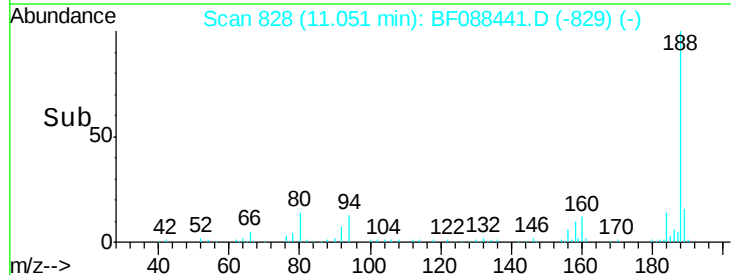
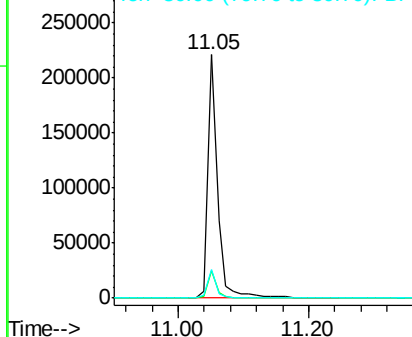


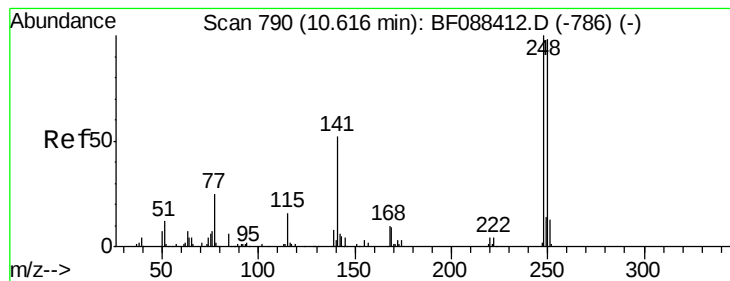
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.05 min Scan# 828
 Delta R.T. -0.31 min
 Lab File: BF088441.D
 Acq: 27 Jun 2016 6:59

Tgt Ion:188 Resp: 230269
 Ion Ratio Lower Upper
 188 100
 94 11.2 9.0 13.6
 80 11.6 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: 3.00 ng

RT: 10.36 min Scan# 768

Delta R.T. -0.55 min

Lab File: BF088441.D

Acq: 27 Jun 2016 6:59

Instrument :

BNA_F

ClientSampleId :

PB91573TB

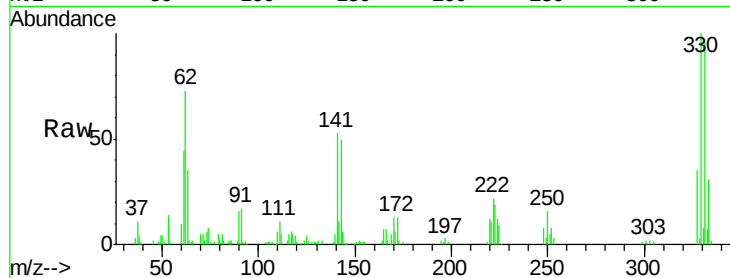
Tot Ion:248 Resp: 7416

Ion Ratio Lower Upper

248 100

250 198.7 77.1 115.7#

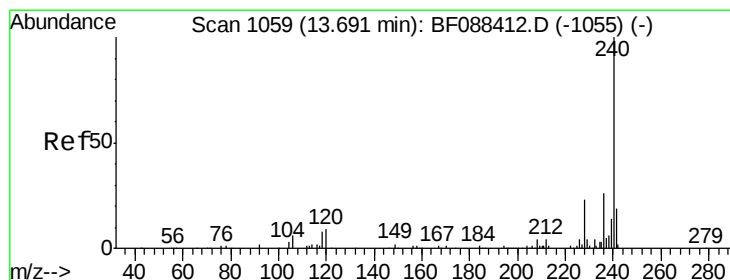
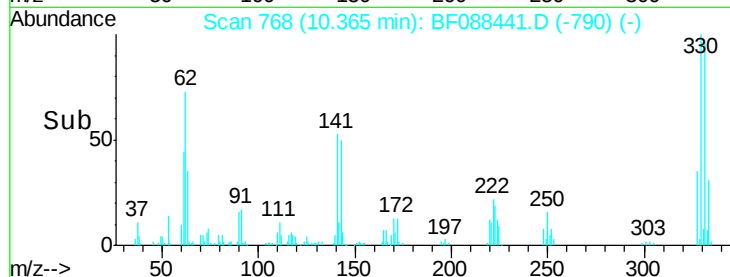
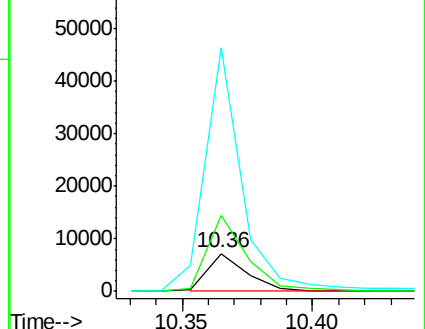
141 639.8 50.6 76.0#



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: BF088441.D

Acq: 27 Jun 2016 6:59

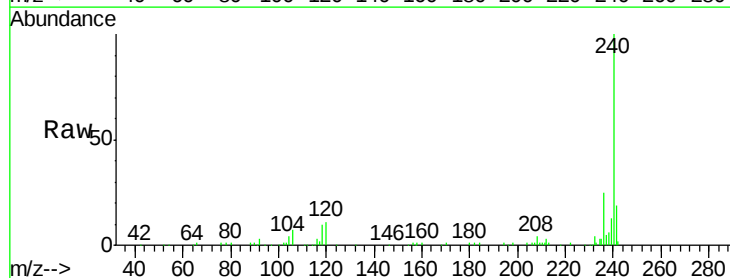
Tgt Ion:240 Resp: 157744

Ion Ratio Lower Upper

240 100

120 10.9 6.8 10.2#

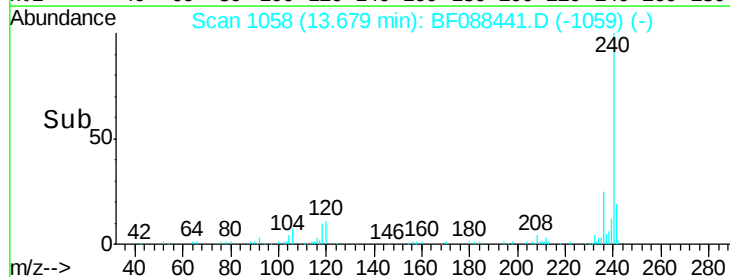
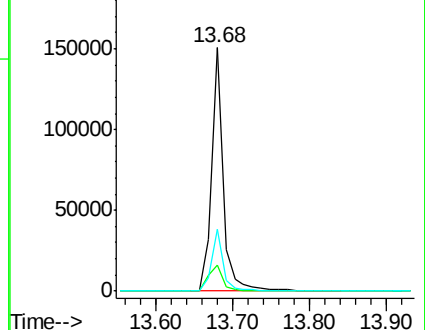
236 25.2 20.2 30.2

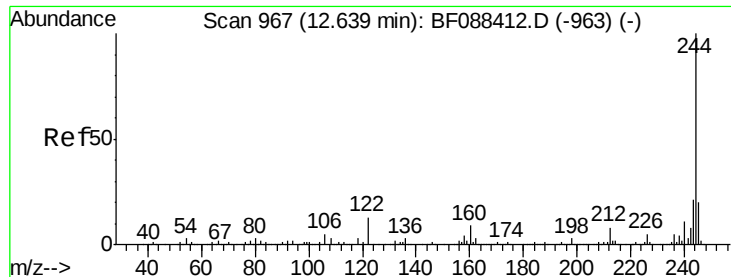


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

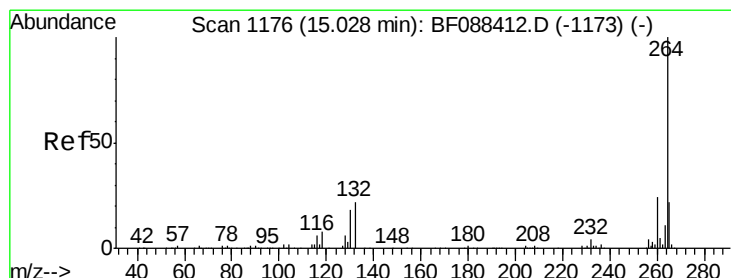
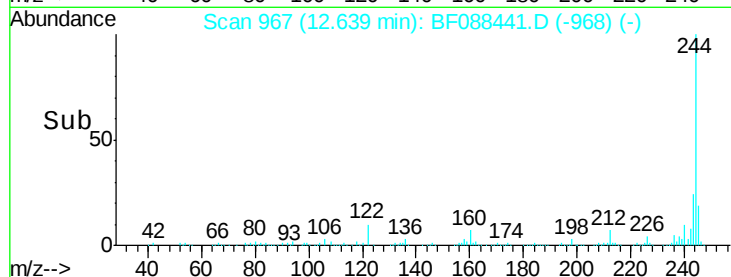
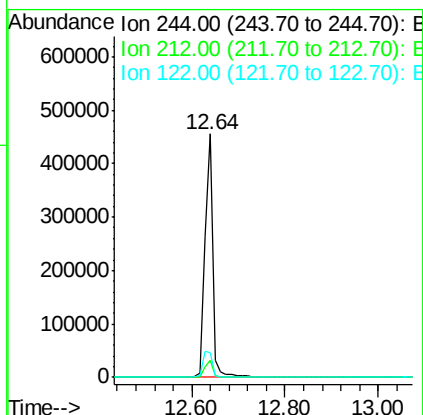
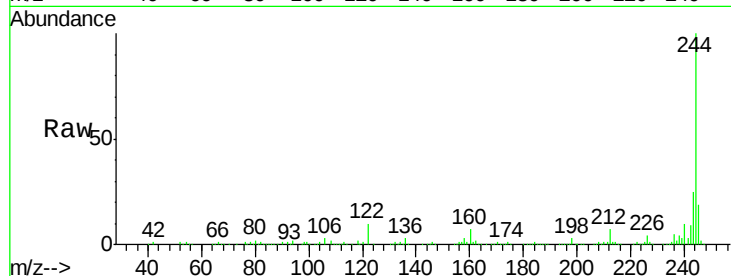




#78
 Terphenyl-d14
 Concen: 79.58 ng
 RT: 12.64 min Scan# 967
 Delta R.T. -0.31 min
 Lab File: BF088441.D
 Acq: 27 Jun 2016 6:59

Instrument :
 BNA_F
 ClientSampleId :
 PB91573TB

Tot Ion:244 Resp: 551658
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 10.3 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: BF088441.D
 Acq: 27 Jun 2016 6:59

Tgt Ion:264 Resp: 135581
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.2 28.8
 265 21.6 16.9 25.3

