

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060816\
 Data File : BF087837.D
 Acq On : 9 Jun 2016 6:44
 Operator : UM/SJ
 Sample : H3405-10
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-05-COMP-0.5-10.0

Quant Time: Jun 09 07:53:10 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 18:51:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	107286	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	438805	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	166860	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	261711	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	243841	20.00	ng	0.00
86) Perylene-d12	15.41	264	179881	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	747660	119.14	ng	0.00
7) Phenol-d6	6.46	99	885814	116.47	ng	-0.02
23) Nitrobenzene-d5	7.39	82	576769	76.75	ng	-0.02
41) 2,4,6-Tribromophenol	10.66	330	171662	97.43	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	866687	81.36	ng	-0.01
78) Terphenyl-d14	12.94	244	582189	54.33	ng	-0.01

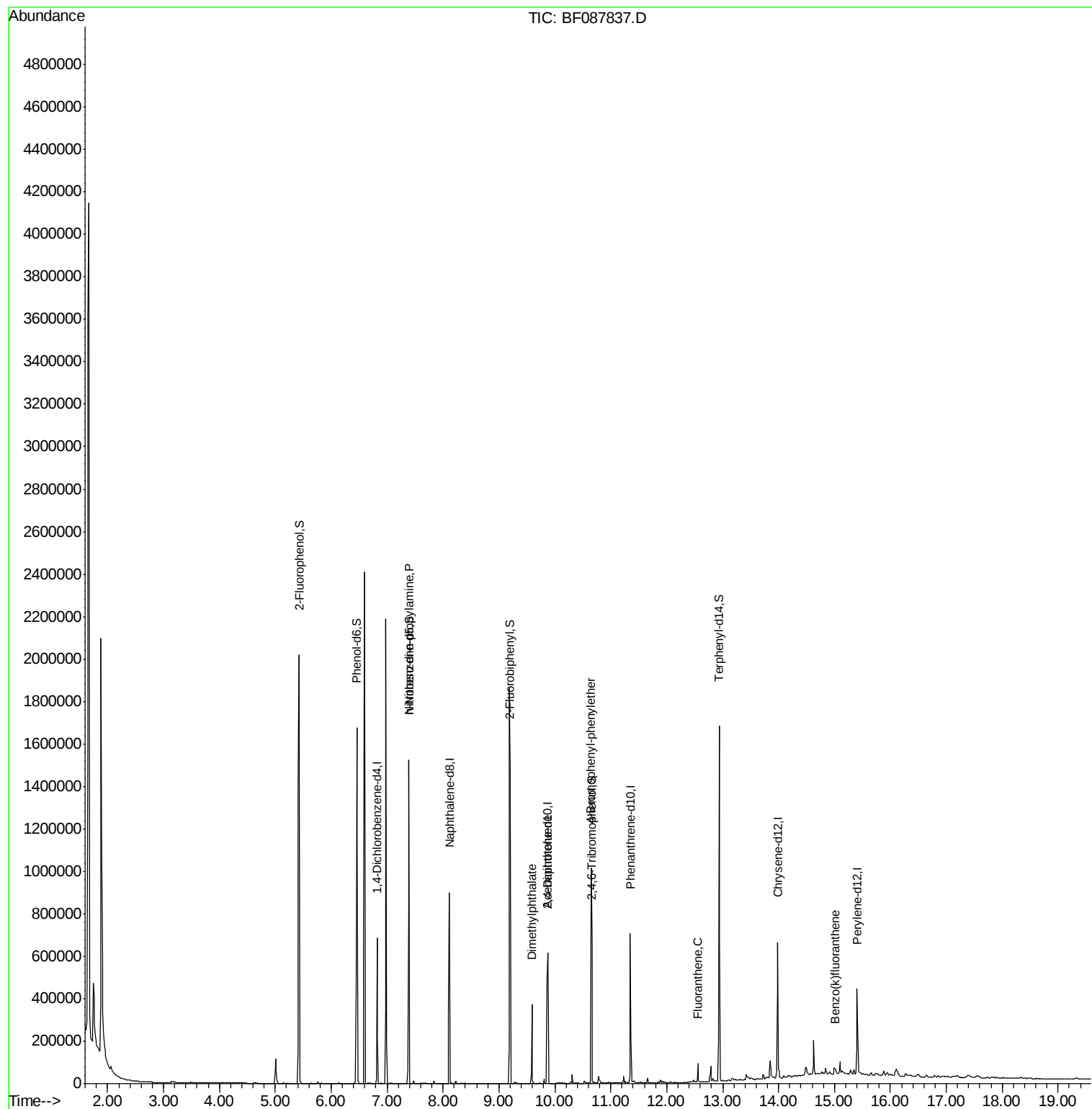
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.47	94	4832	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.39	70	75302	15.48	ng	71
45) 1,1'-Biphenyl	9.19	154	1544	Below Cal	#	1
49) Dimethylphthalate	9.59	163	142387	11.78	ng	99
56) 2,4-Dinitrotoluene	9.87	165	20710	5.82	ng	37
57) Fluorene	10.41	166	317	Below Cal	#	95
66) 4-Bromophenyl-phenylether	10.65	248	9033	3.22	ng	1
74) Fluoranthene	12.56	202	32310	2.23	ng	97
88) Benzo(k)fluoranthene	15.01	252	22239	2.35	ng	92

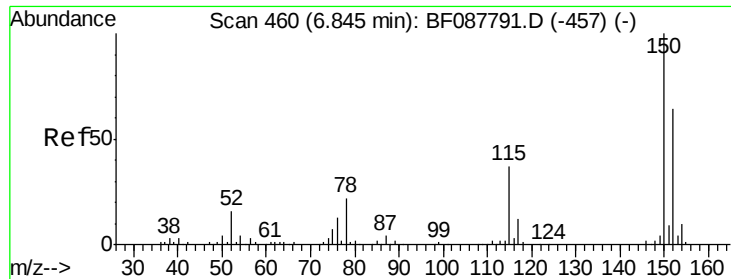
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 458

Delta R.T. -0.02 min

Lab File: BF087837.D

Acq: 9 Jun 2016 6:44

Instrument :

BNA_F

ClientSampleId :

SB-05-COMP-0.5-10.0

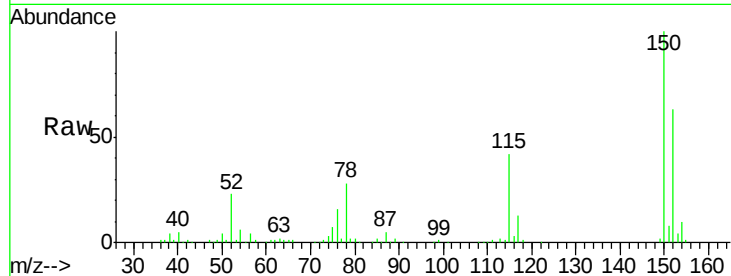
Tgt Ion:152 Resp: 107286

Ion Ratio Lower Upper

152 100

150 159.6 123.8 185.6

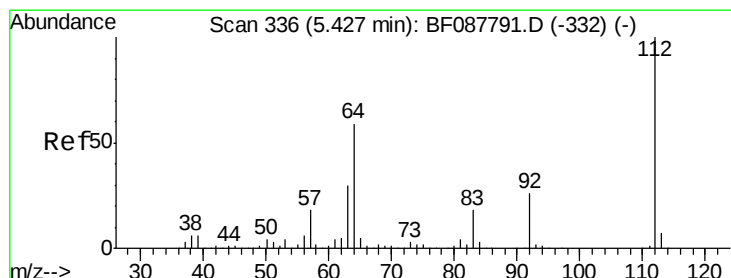
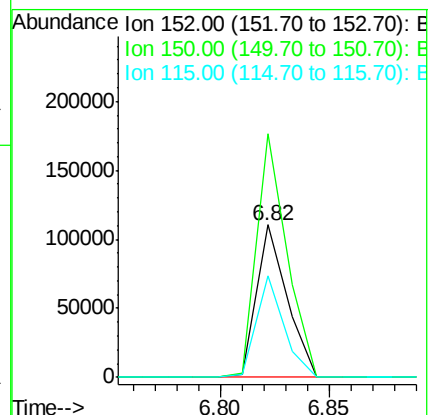
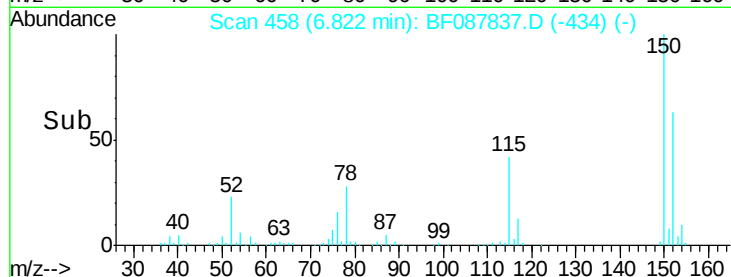
115 66.4 39.6 59.4#



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: 119.14 ng

RT: 5.43 min Scan# 336

Delta R.T. 0.00 min

Lab File: BF087837.D

Acq: 9 Jun 2016 6:44

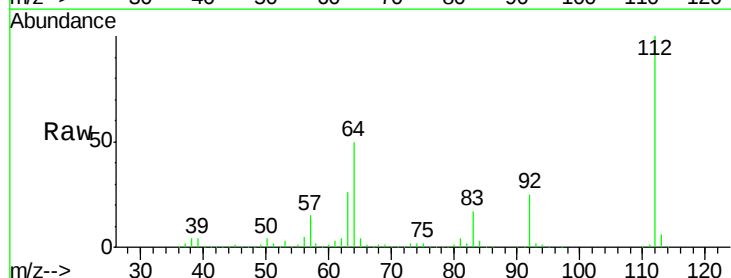
Tgt Ion:112 Resp: 747660

Ion Ratio Lower Upper

112 100

64 50.0 42.2 63.2

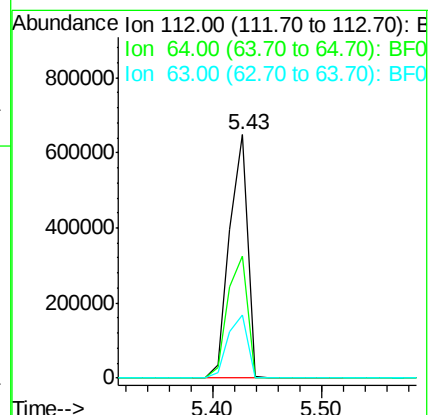
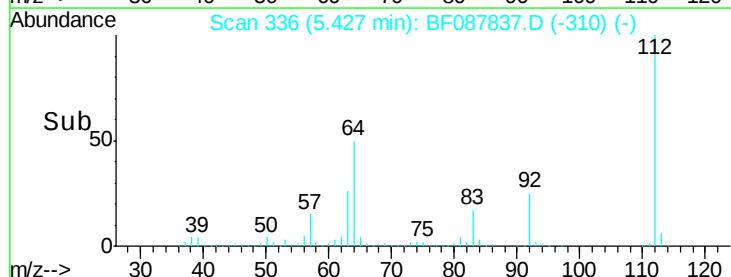
63 26.0 21.8 32.8

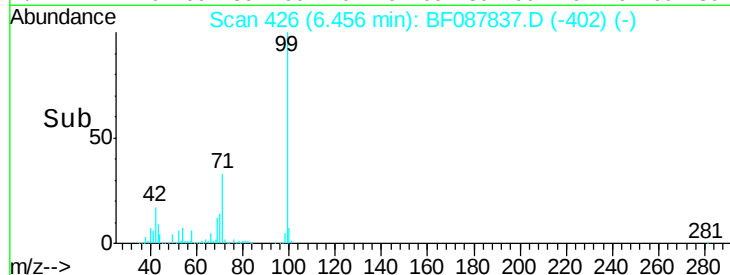
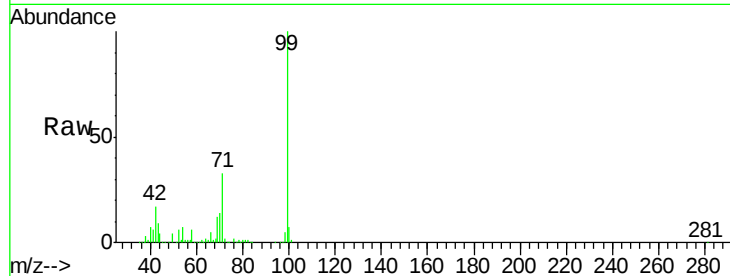
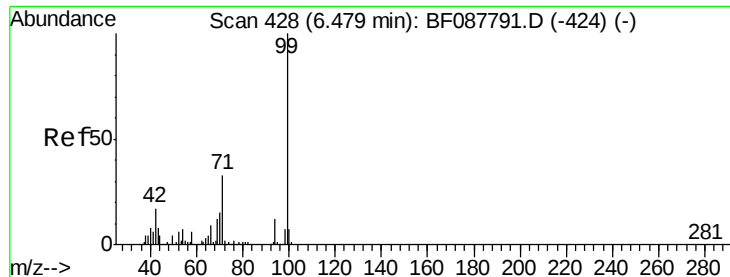


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 116.47 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF087837.D

Acq: 9 Jun 2016 6:44

Instrument :

BNA_F

ClientSampleId :

SB-05-COMP-0.5-10.0

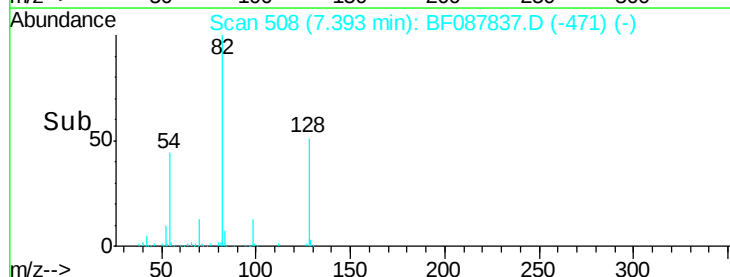
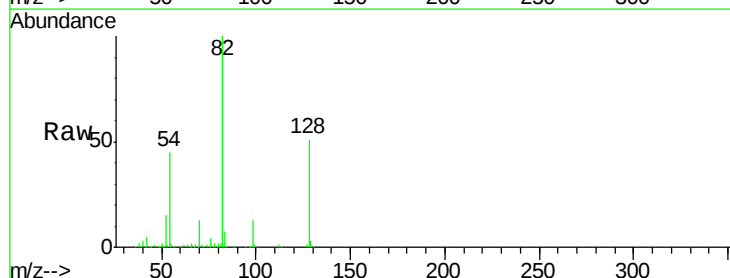
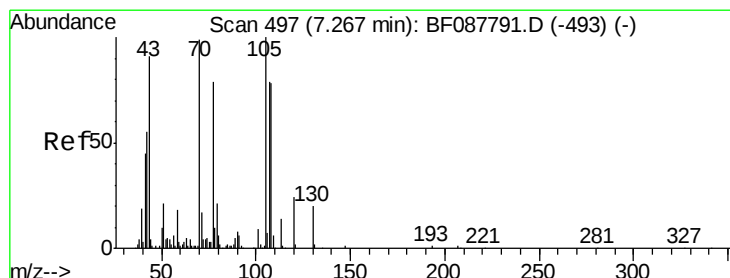
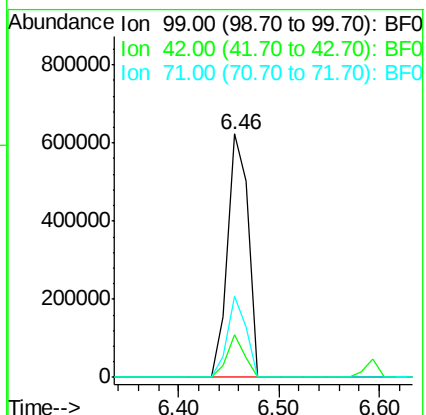
Tgt Ion: 99 Resp: 885814

Ion Ratio Lower Upper

99 100

42 17.4 12.2 18.2

71 33.2 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.48 ng

RT: 7.39 min Scan# 508

Delta R.T. 0.13 min

Lab File: BF087837.D

Acq: 9 Jun 2016 6:44

Tgt Ion: 70 Resp: 75302

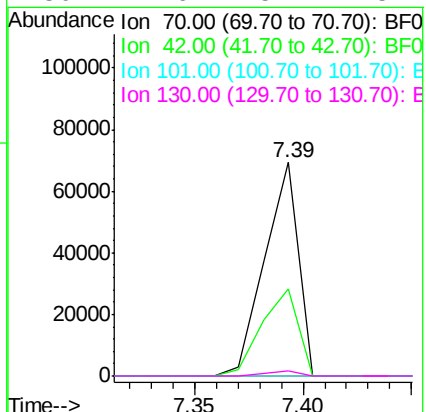
Ion Ratio Lower Upper

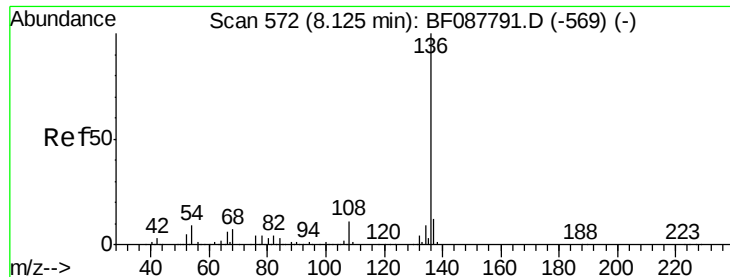
70 100

42 41.1 49.6 74.4#

101 0.0 7.1 10.7#

130 2.6 15.4 23.2#

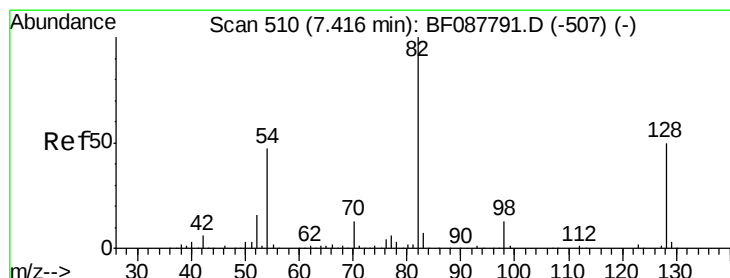
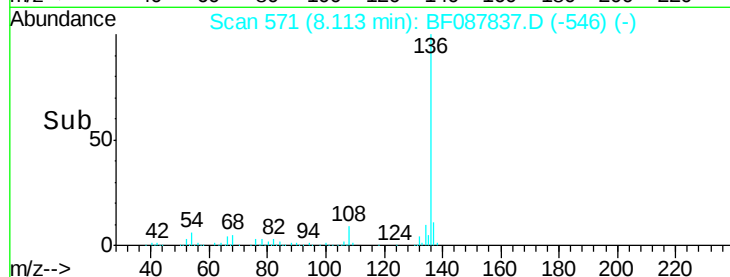
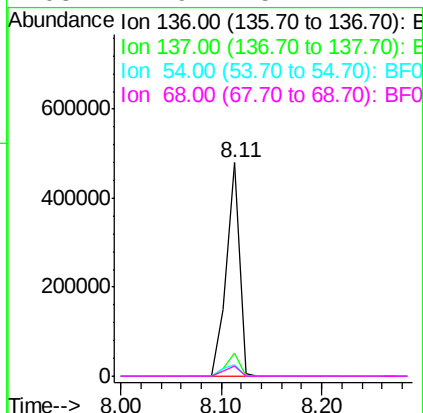
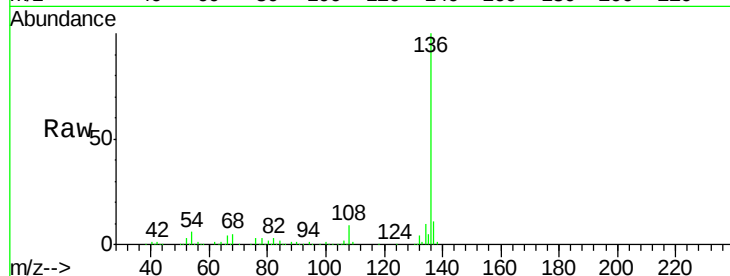




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 571
Delta R.T. -0.01 min
Lab File: BF087837.D
Acq: 9 Jun 2016 6:44

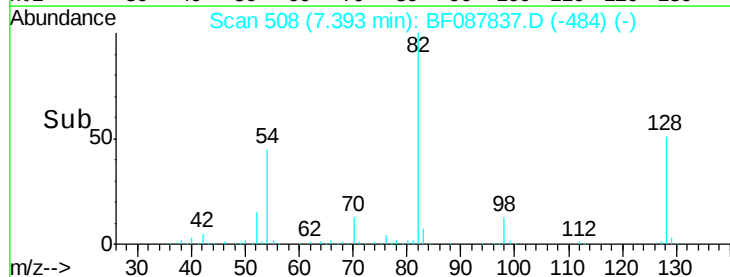
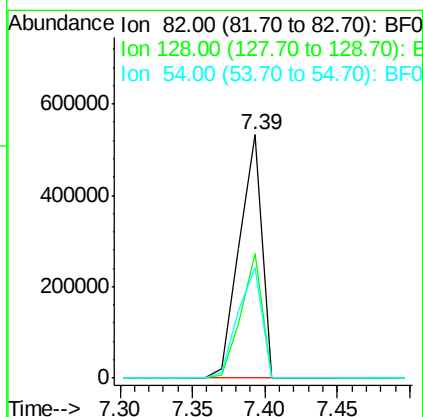
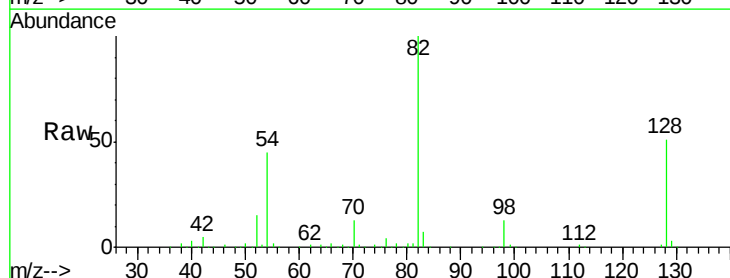
Instrument :
BNA_F
ClientSampleId :
SB-05-COMP-0.5-10.0

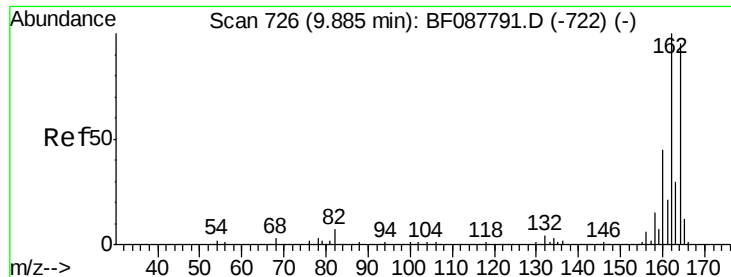
Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	5.7	6.6	10.0#
68	4.9	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 76.75 ng
RT: 7.39 min Scan# 508
Delta R.T. -0.02 min
Lab File: BF087837.D
Acq: 9 Jun 2016 6:44

Tgt Ion	Ratio	Lower	Upper
82	100		
128	51.2	35.9	53.9
54	45.4	40.9	61.3





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF087837.D

Acq: 9 Jun 2016 6:44

Instrument :

BNA_F

ClientSampleId :

SB-05-COMP-0.5-10.0

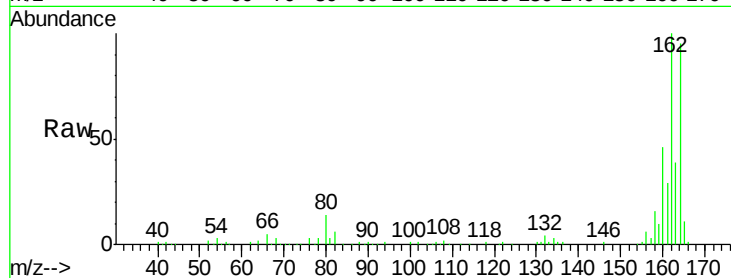
Tgt Ion:164 Resp: 166860

Ion Ratio Lower Upper

164 100

162 105.6 85.4 128.2

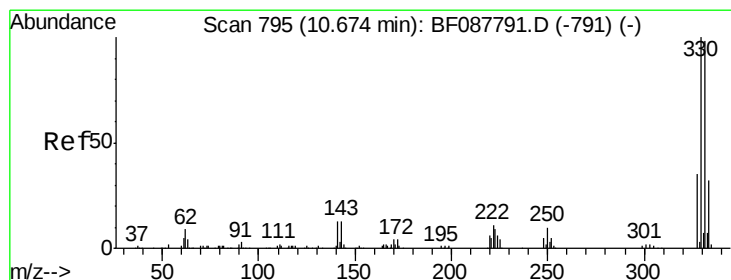
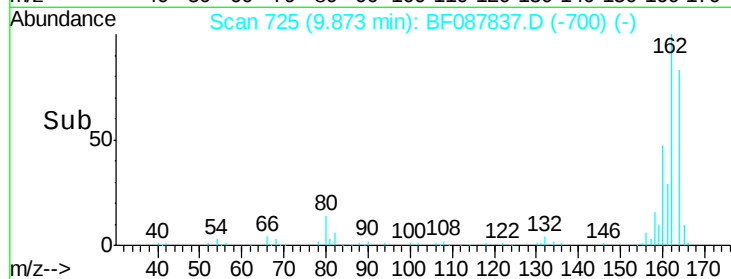
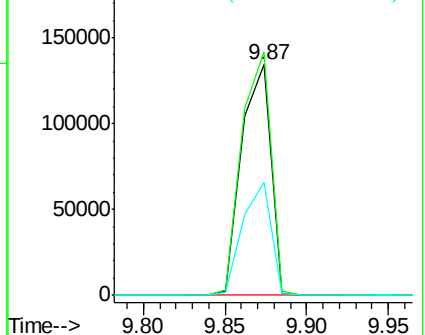
160 48.9 39.5 59.3



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: 97.43 ng

RT: 10.66 min Scan# 794

Delta R.T. -0.01 min

Lab File: BF087837.D

Acq: 9 Jun 2016 6:44

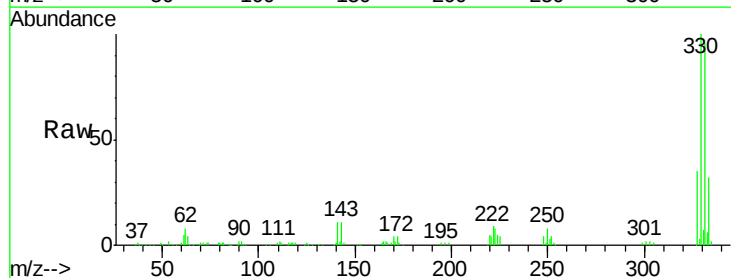
Tgt Ion:330 Resp: 171662

Ion Ratio Lower Upper

330 100

332 96.6 0.0 0.0#

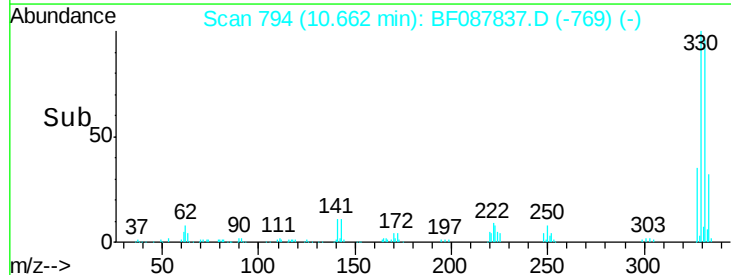
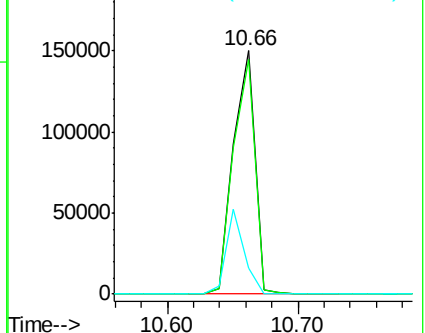
141 29.8 0.0 0.0#

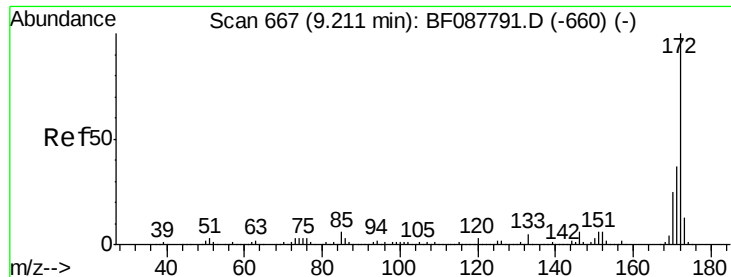


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

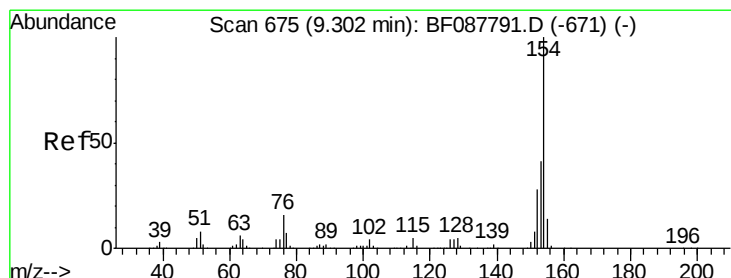
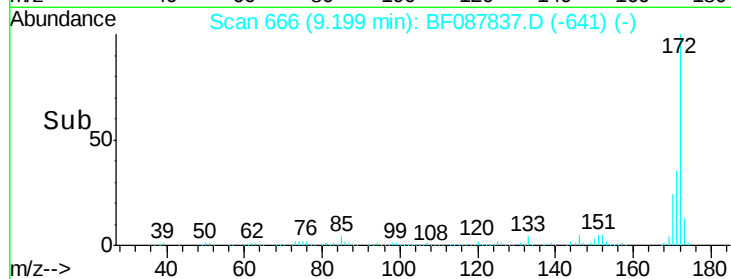
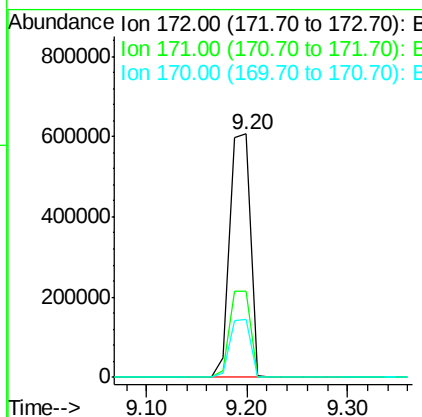
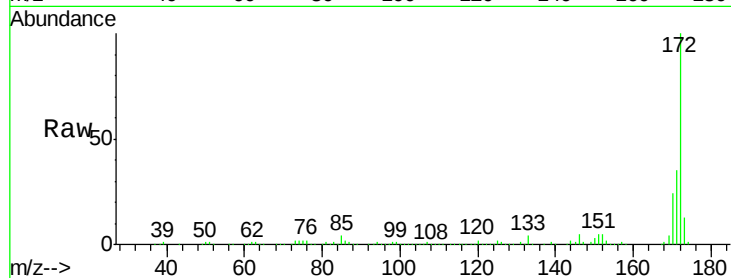




#44
2-Fluorobiphenyl
Concen: 81.36 ng
RT: 9.20 min Scan# 666
Delta R.T. -0.01 min
Lab File: BF087837.D
Acq: 9 Jun 2016 6:44

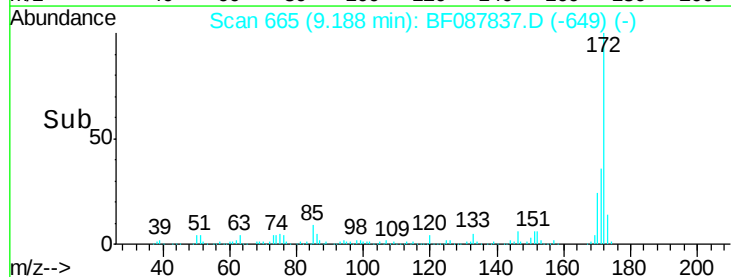
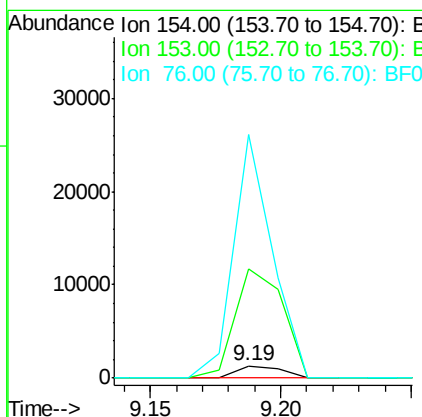
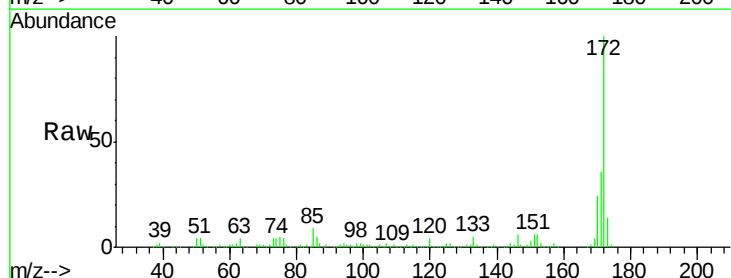
Instrument :
BNA_F
ClientSampleId :
SB-05-COMP-0.5-10.0

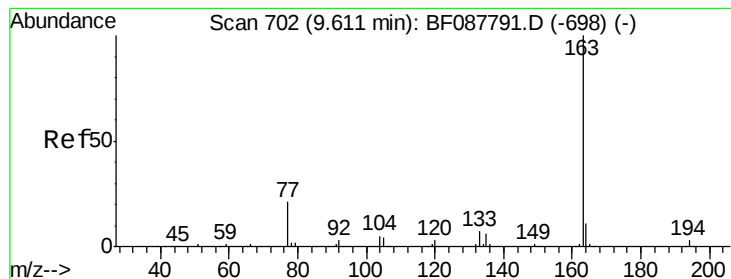
Tgt Ion:172 Resp: 866687
Ion Ratio Lower Upper
172 100
171 35.2 28.6 43.0
170 23.6 19.2 28.8



#45
1,1'-Biphenyl
Concen: Below Cal
RT: 9.19 min Scan# 665
Delta R.T. -0.11 min
Lab File: BF087837.D
Acq: 9 Jun 2016 6:44

Tgt Ion:154 Resp: 1544
Ion Ratio Lower Upper
154 100
153 892.9 20.6 60.6#
76 1991.8 0.0 35.1#





#49

Dimethylphthalate

Concen: 11.78 ng

RT: 9.59 min Scan# 700

Delta R.T. -0.02 min

Lab File: BF087837.D

Acq: 9 Jun 2016 6:44

Instrument :

BNA_F

ClientSampleId :

SB-05-COMP-0.5-10.0

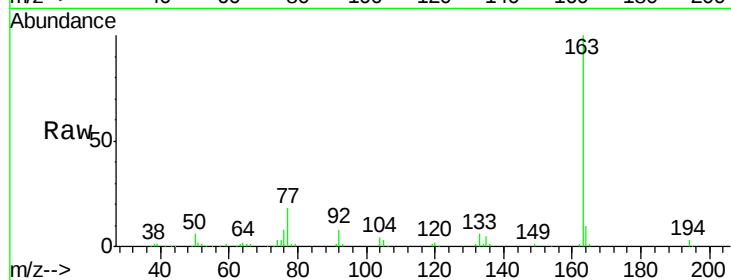
Tgt Ion:163 Resp: 142387

Ion Ratio Lower Upper

163 100

194 3.1 2.8 4.2

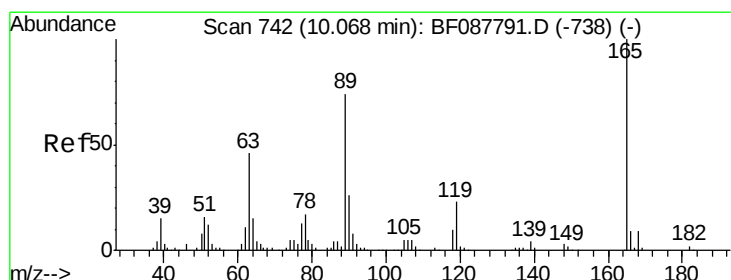
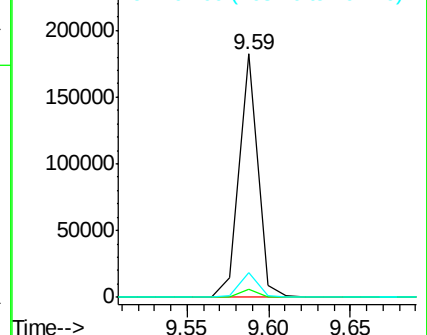
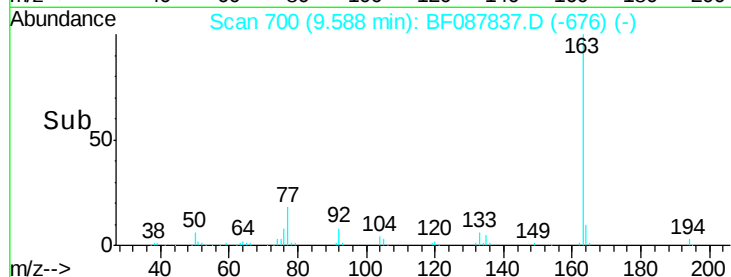
164 10.1 8.3 12.5



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: 5.82 ng

RT: 9.87 min Scan# 725

Delta R.T. -0.19 min

Lab File: BF087837.D

Acq: 9 Jun 2016 6:44

Tgt Ion:165 Resp: 20710

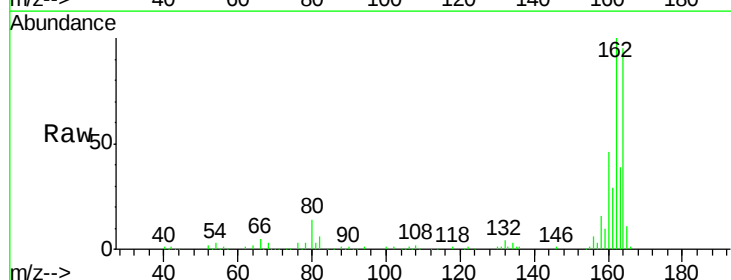
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 2.0 41.1 61.7#

182 0.0 2.0 3.0#

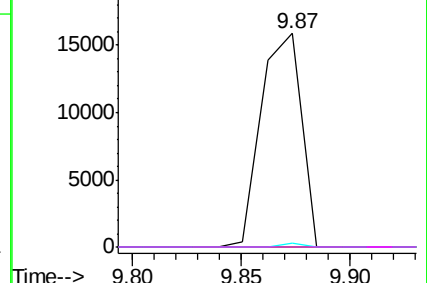
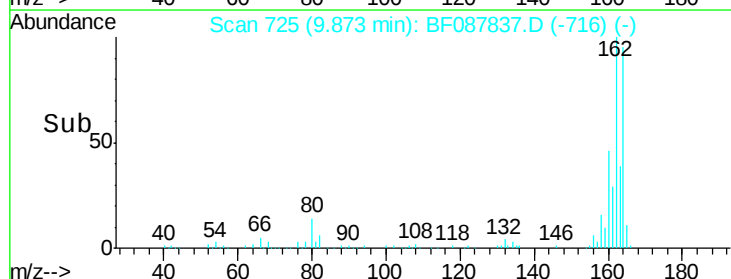


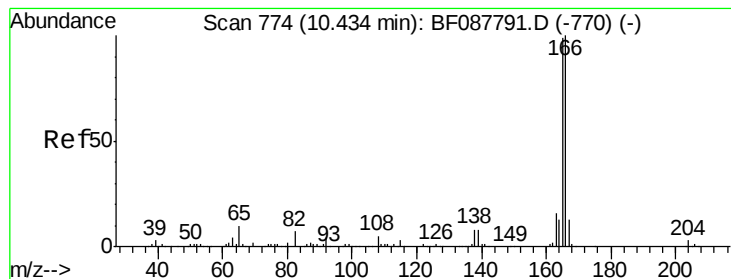
Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.41 min Scan# 772

Delta R.T. -0.02 min

Lab File: BF087837.D

Acq: 9 Jun 2016 6:44

Instrument :

BNA_F

ClientSampleId :

SB-05-COMP-0.5-10.0

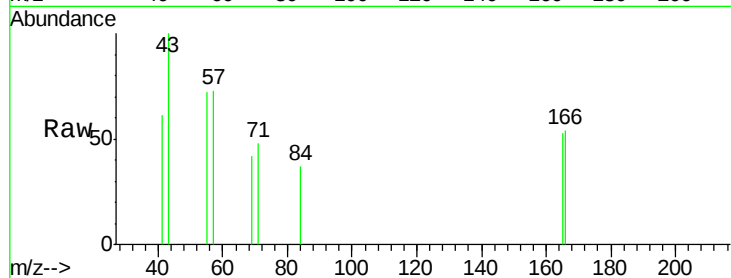
Tgt Ion:166 Resp: 317

Ion Ratio Lower Upper

166 100

165 98.3 77.8 116.8

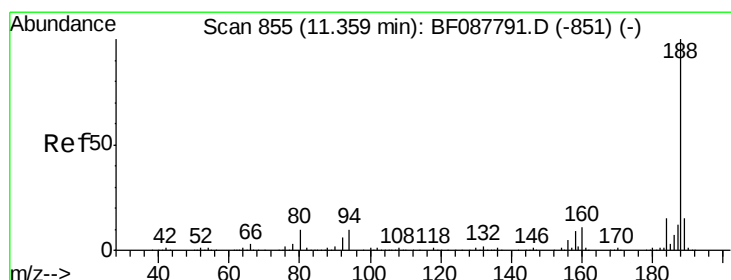
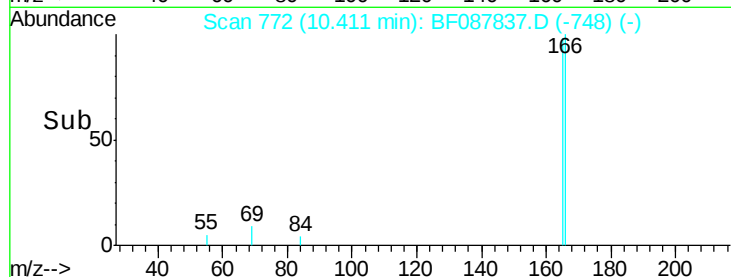
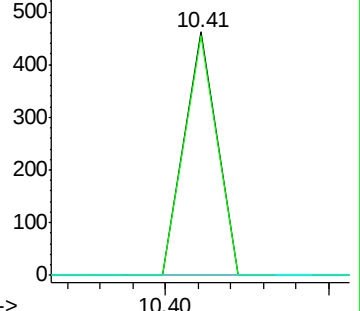
167 0.0 11.2 16.8#



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.35 min Scan# 854

Delta R.T. -0.01 min

Lab File: BF087837.D

Acq: 9 Jun 2016 6:44

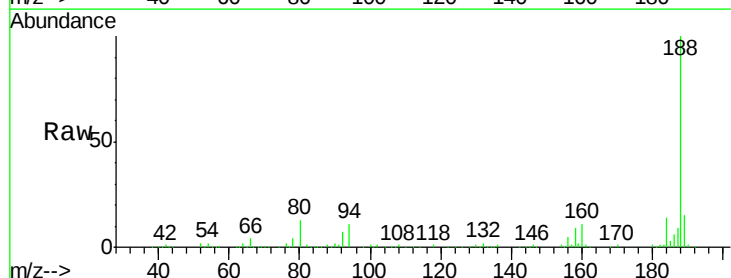
Tgt Ion:188 Resp: 261711

Ion Ratio Lower Upper

188 100

94 11.4 9.0 13.6

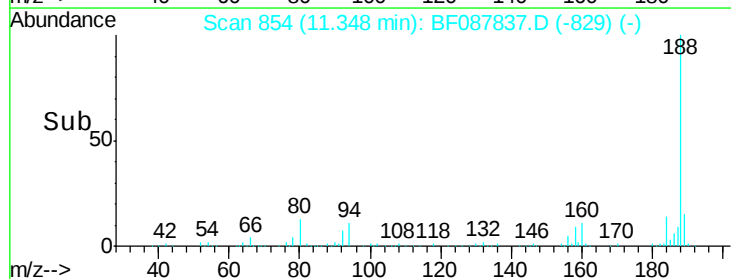
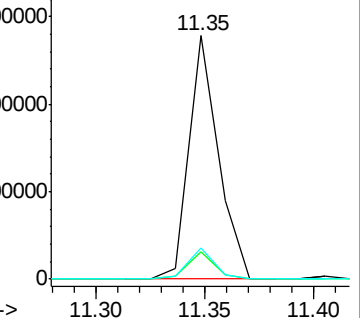
80 12.7 10.0 15.0

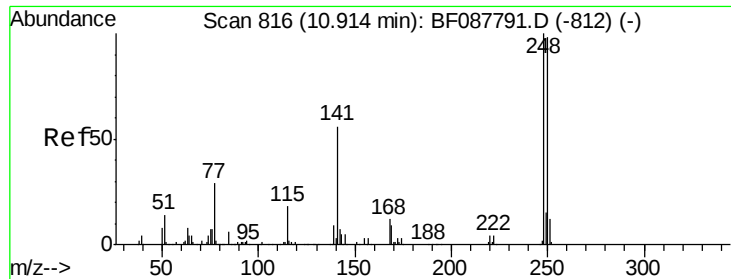


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

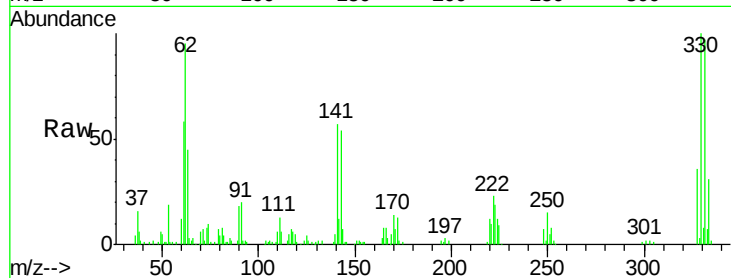




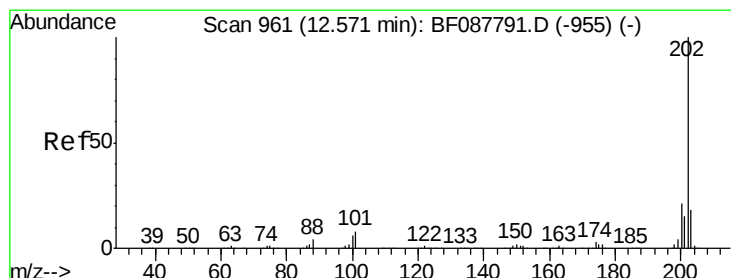
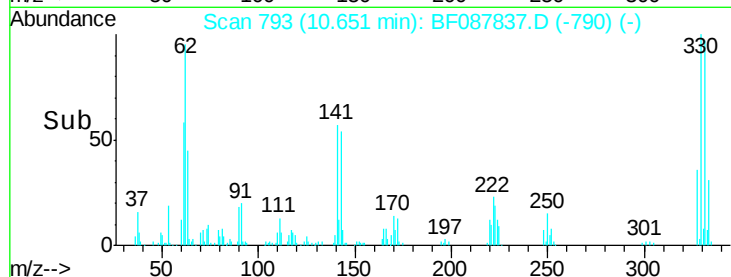
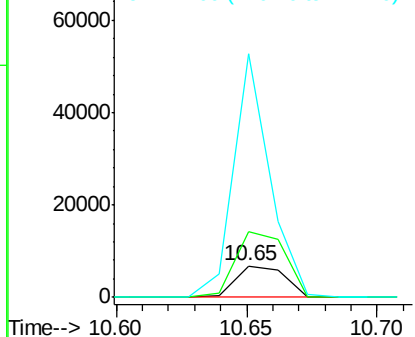
#66
 4-Bromophenyl-phenylether
 Concen: 3.22 ng
 RT: 10.65 min Scan# 793
 Delta R.T. -0.26 min
 Lab File: BF087837.D
 Acq: 9 Jun 2016 6:44

Instrument :
 BNA_F
 ClientSampleId :
 SB-05-COMP-0.5-10.0

Tgt Ion:248 Resp: 9033
 Ion Ratio Lower Upper
 248 100
 250 209.1 77.1 115.7#
 141 770.3 50.6 76.0#

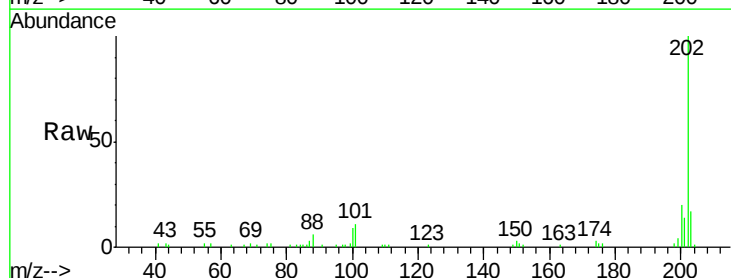


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

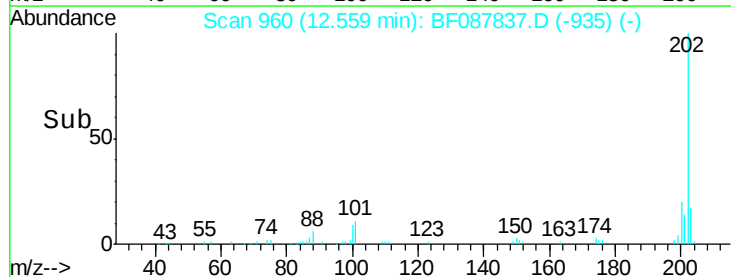
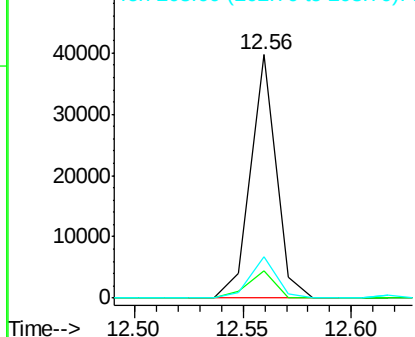


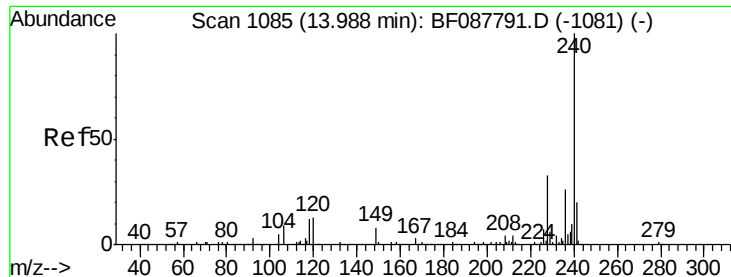
#74
 Fluoranthene
 Concen: 2.23 ng
 RT: 12.56 min Scan# 960
 Delta R.T. -0.01 min
 Lab File: BF087837.D
 Acq: 9 Jun 2016 6:44

Tgt Ion:202 Resp: 32310
 Ion Ratio Lower Upper
 202 100
 101 11.4 0.0 33.1
 203 17.1 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1085

Delta R.T. -0.00 min

Lab File: BF087837.D

Acq: 9 Jun 2016 6:44

Instrument :

BNA_F

ClientSampleId :

SB-05-COMP-0.5-10.0

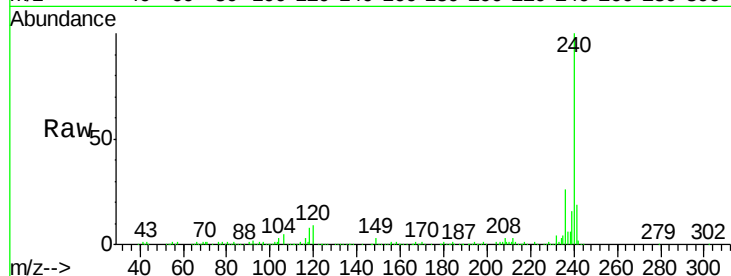
Tgt Ion:240 Resp: 243841

Ion Ratio Lower Upper

240 100

120 8.6 6.8 10.2

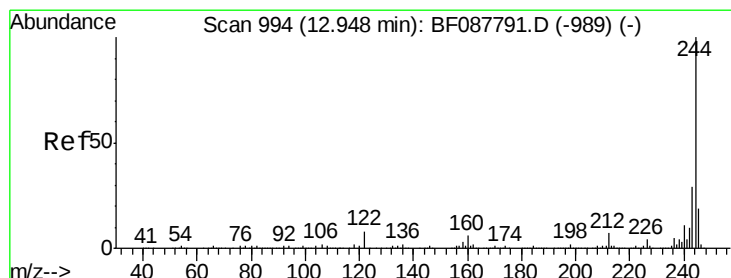
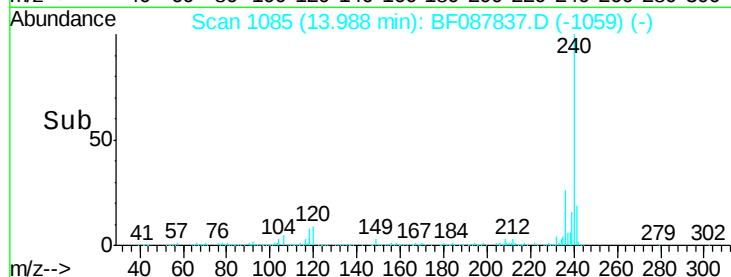
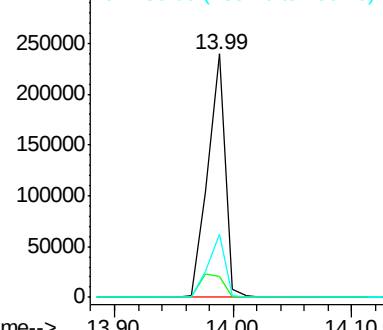
236 26.0 20.2 30.2



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: 54.33 ng

RT: 12.94 min Scan# 993

Delta R.T. -0.01 min

Lab File: BF087837.D

Acq: 9 Jun 2016 6:44

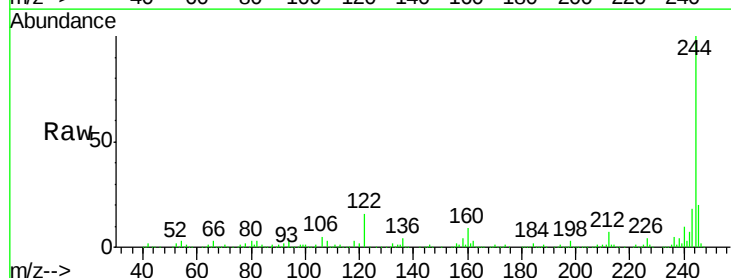
Tgt Ion:244 Resp: 582189

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

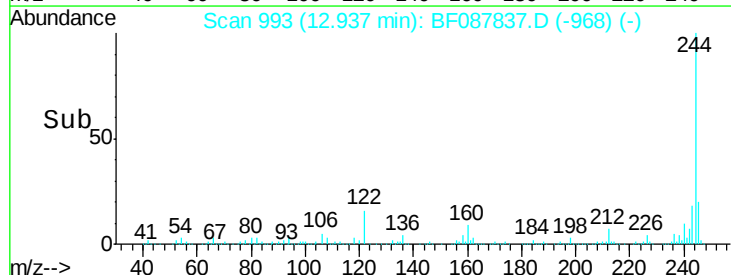
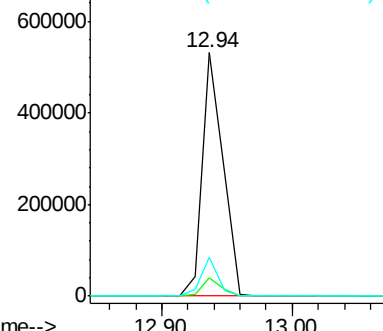
122 16.1 11.2 16.8

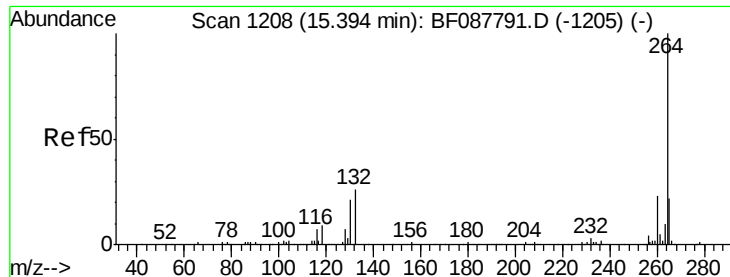


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



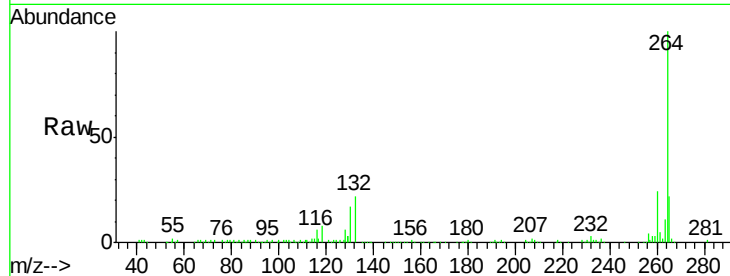


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1209
Delta R.T. 0.01 min
Lab File: BF087837.D
Acq: 9 Jun 2016 6:44

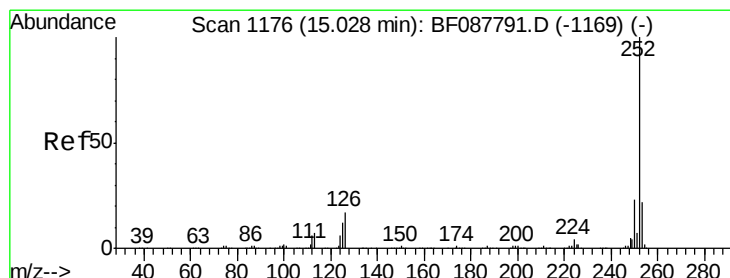
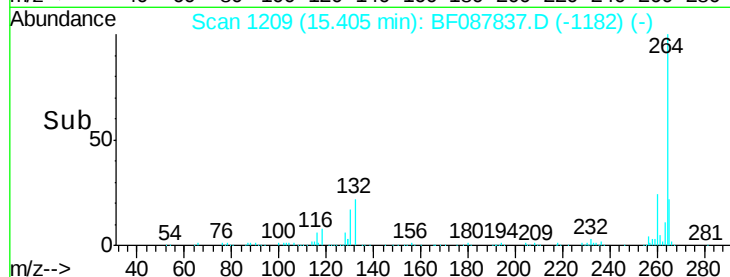
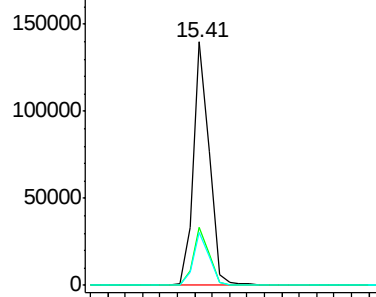
Instrument :
BNA_F
ClientSampleId :
SB-05-COMP-0.5-10.0

Tgt Ion: 264 Resp: 179881

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



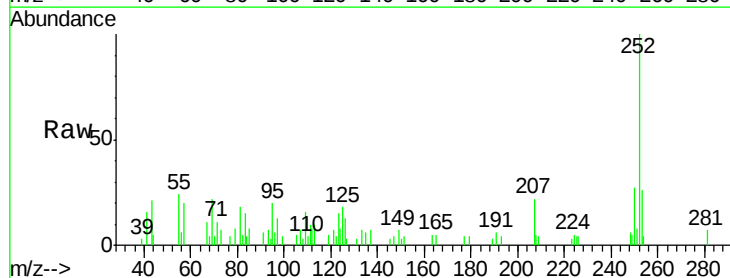
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88
Benzo(k)fluoranthene
Concen: 2.35 ng
RT: 15.01 min Scan# 1174
Delta R.T. -0.02 min
Lab File: BF087837.D
Acq: 9 Jun 2016 6:44

Tgt Ion: 252 Resp: 22239

Ion	Ratio	Lower	Upper
252	100		
253	25.9	18.0	27.0
125	17.8	11.2	16.8



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

