

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061816\
 Data File : BF088132.D
 Acq On : 18 Jun 2016 14:16
 Operator : UM/SJ
 Sample : H3501-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS5-0-6

Quant Time: Jun 19 07:43:27 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 17 16:09:13 2016
 Response via : Initial Calibration

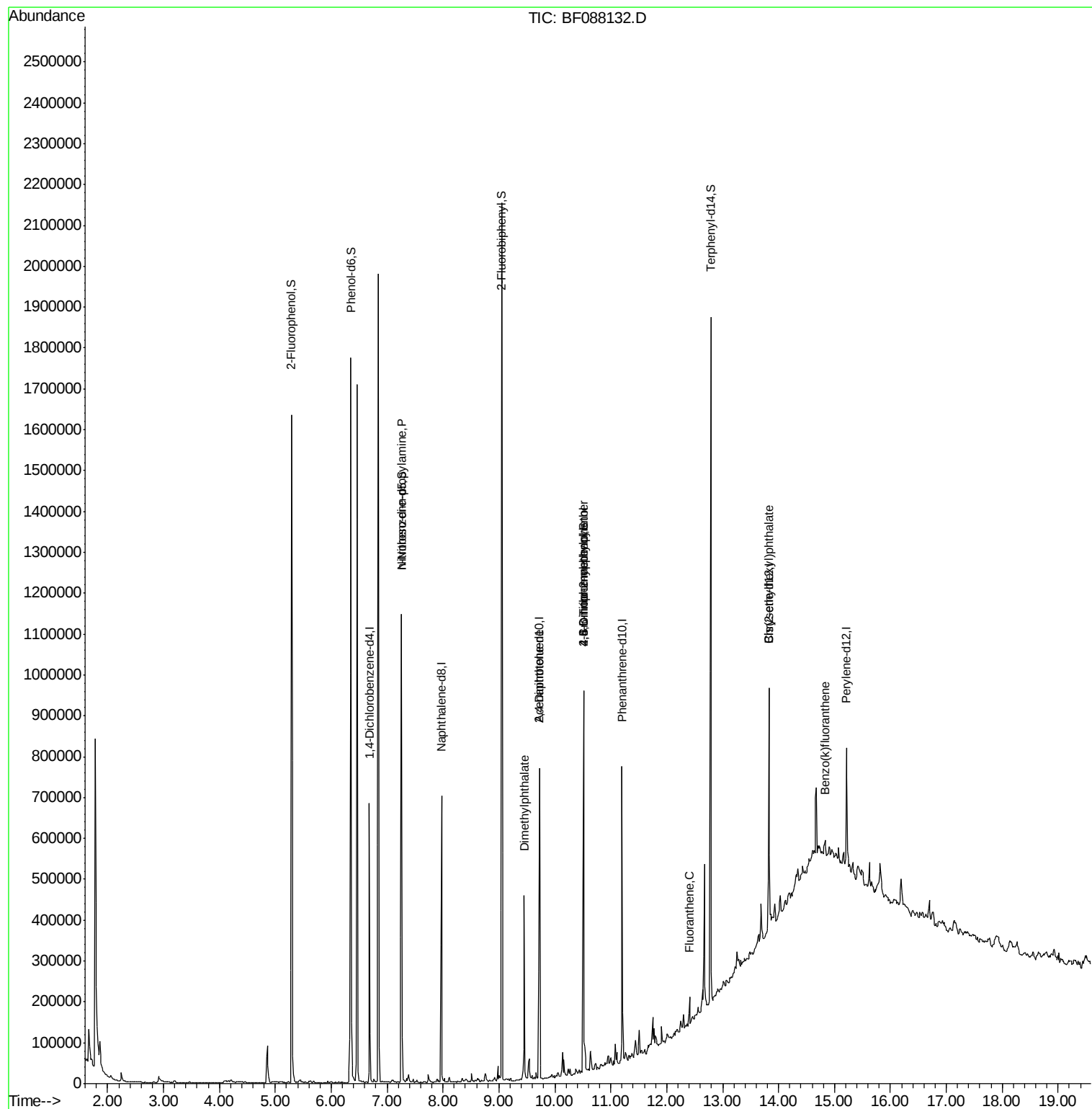
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	99329	20.00	ng	-0.01
21) Naphthalene-d8	7.98	136	376917	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	155737	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	242000	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	192253	20.00	ng	-0.02
86) Perylene-d12	15.21	264	148397	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	607882	104.62	ng	0.01
7) Phenol-d6	6.35	99	750481	106.58	ng	0.00
23) Nitrobenzene-d5	7.26	82	392013	60.73	ng	-0.02
41) 2,4,6-Tribromophenol	10.51	330	123358	75.02	ng	-0.01
44) 2-Fluorobiphenyl	9.05	172	745472	74.51	ng	-0.02
78) Terphenyl-d14	12.79	244	591821	70.05	ng	-0.01
Target Compounds						
10) Phenol	6.36	94	5647	Below Cal	#	69
19) n-Nitroso-di-n-propylamine	7.26	70	51961	11.53 ng	#	72
45) 1,1'-Biphenyl	9.15	154	261	Below Cal	#	43
49) Dimethylphthalate	9.45	163	173487	15.38 ng	#	99
56) 2,4-Dinitrotoluene	9.72	165	19981	6.02 ng	#	38
57) Fluorene	10.27	166	863	Below Cal	#	88
64) 4,6-Dinitro-2-methylphenol	10.51	198	214	2.30 ng	#	1
66) 4-Bromophenyl-phenylether	10.51	248	8544	3.29 ng	#	1
74) Fluoranthene	12.41	202	27928	2.08 ng	#	95
83) Bis(2-ethylhexyl)phthalate	13.83	149	29589	3.85 ng	#	96
88) Benzo(k)fluoranthene	14.83	252	17528	2.25 ng	#	36

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 446

Delta R.T. -0.01 min

Lab File: BF088132.D

Acq: 18 Jun 2016 14:16

Instrument :

BNA_F

ClientSampled :

SS5-0-6

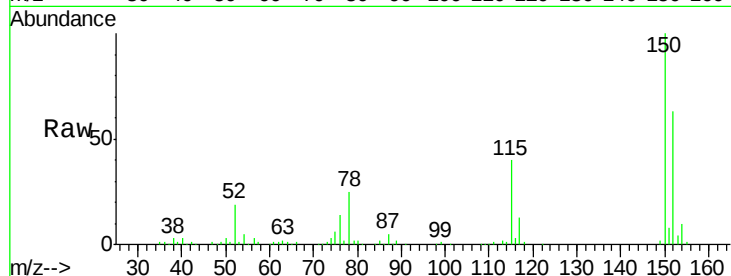
Tgt Ion:152 Resp: 99329

Ion Ratio Lower Upper

152 100

150 157.6 123.8 185.6

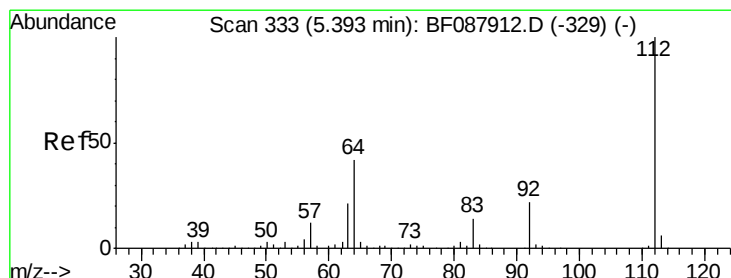
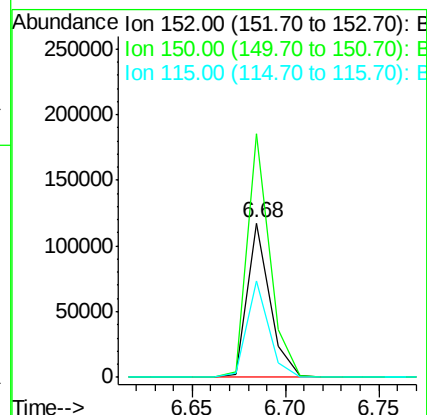
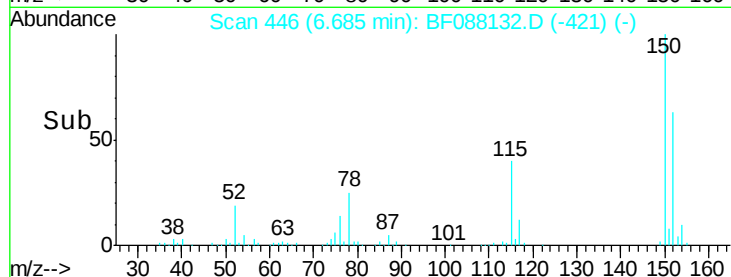
115 62.7 39.6 59.4#



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: 104.62 ng

RT: 5.29 min Scan# 324

Delta R.T. 0.01 min

Lab File: BF088132.D

Acq: 18 Jun 2016 14:16

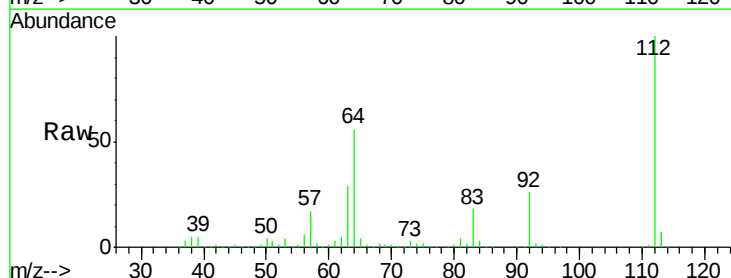
Tgt Ion:112 Resp: 607882

Ion Ratio Lower Upper

112 100

64 56.4 42.2 63.2

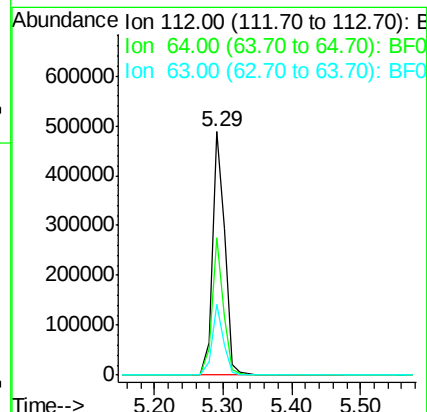
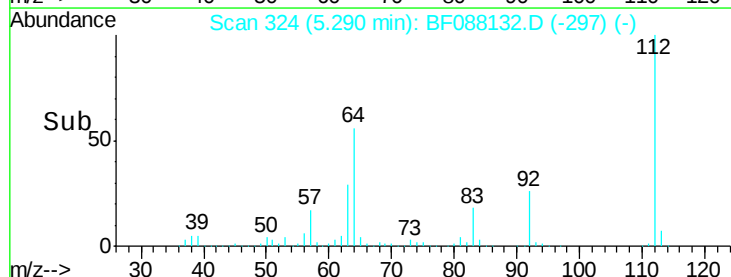
63 29.2 21.8 32.8

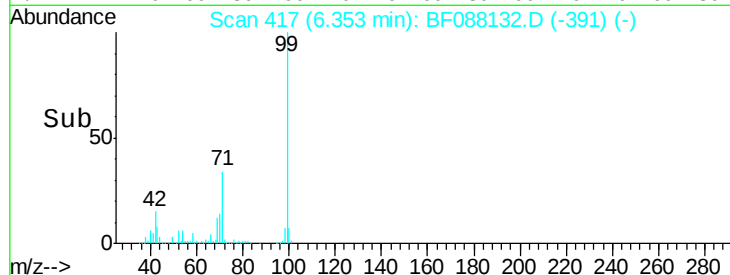
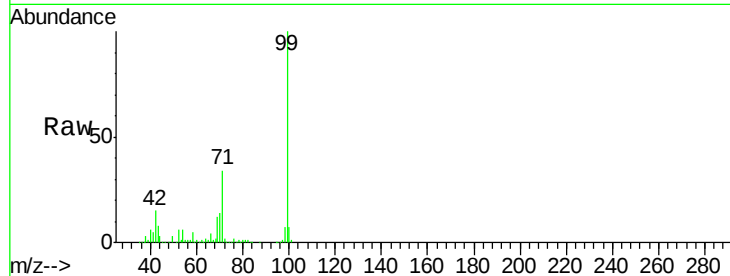


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 106.58 ng

RT: 6.35 min Scan# 417

Delta R.T. -0.00 min

Lab File: BF088132.D

Acq: 18 Jun 2016 14:16

Instrument :

BNA_F

ClientSampleId :

SS5-0-6

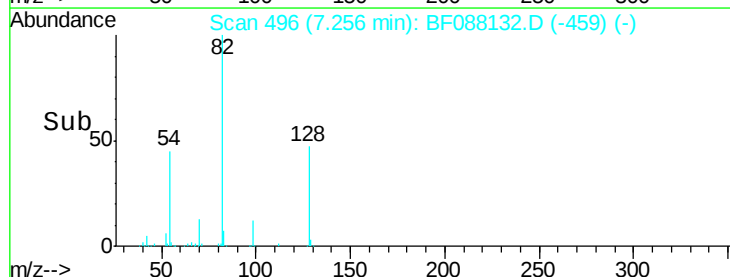
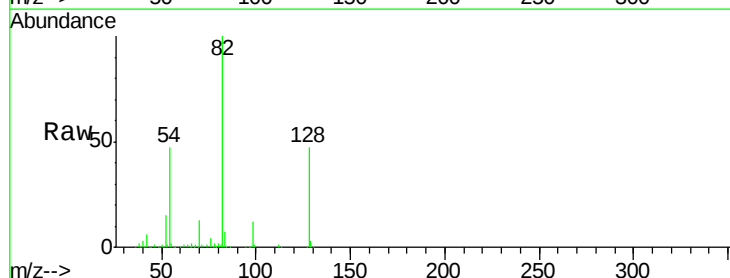
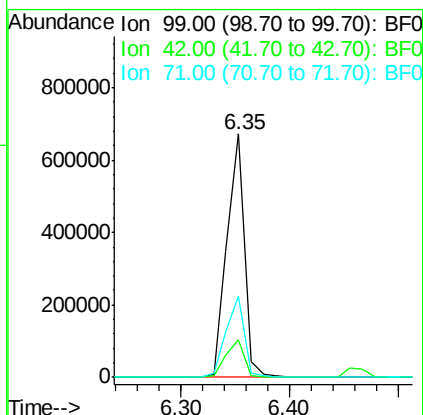
Tgt Ion: 99 Resp: 750481

Ion Ratio Lower Upper

99 100

42 15.2 12.2 18.2

71 33.5 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.53 ng

RT: 7.26 min Scan# 496

Delta R.T. 0.13 min

Lab File: BF088132.D

Acq: 18 Jun 2016 14:16

Tgt Ion: 70 Resp: 51961

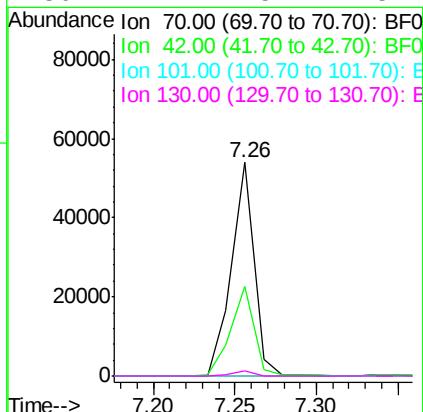
Ion Ratio Lower Upper

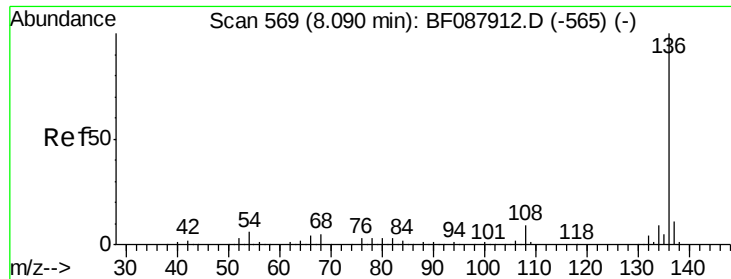
70 100

42 42.0 49.6 74.4#

101 0.0 7.1 10.7#

130 2.4 15.4 23.2#

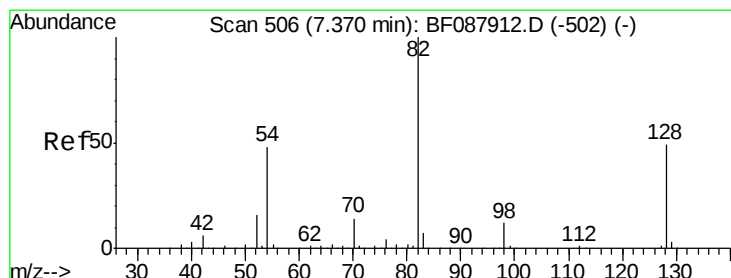
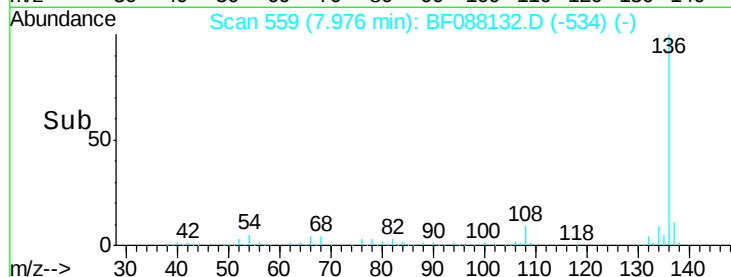
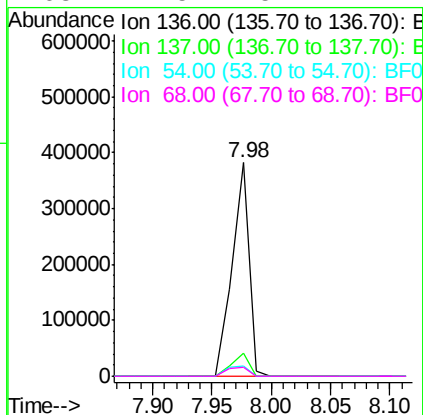
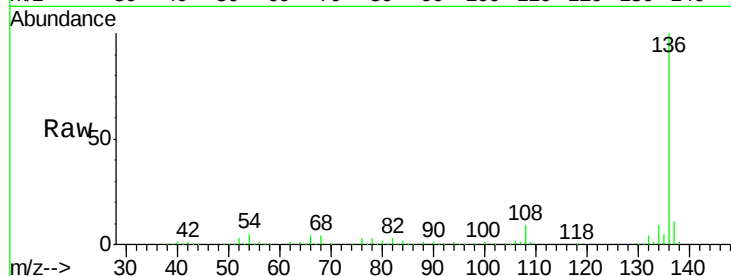




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF088132.D
Acq: 18 Jun 2016 14:16

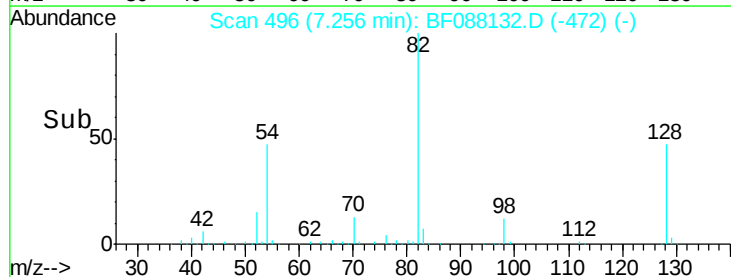
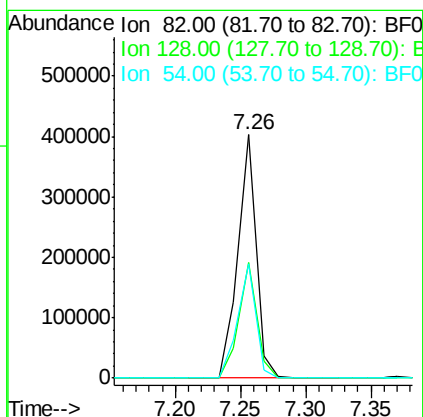
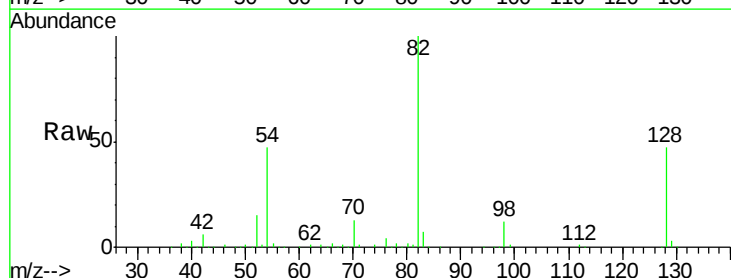
Instrument :
BNA_F
ClientSampleId :
SS5-0-6

Tgt Ion:	136	Resp:	376917
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	5.1	6.6	10.0#
68	4.5	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 60.73 ng
RT: 7.26 min Scan# 496
Delta R.T. -0.02 min
Lab File: BF088132.D
Acq: 18 Jun 2016 14:16

Tgt Ion:	82	Resp:	392013
Ion	Ratio	Lower	Upper
82	100		
128	47.3	35.9	53.9
54	47.0	40.9	61.3

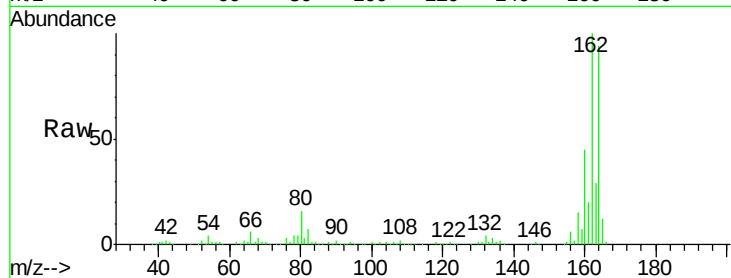




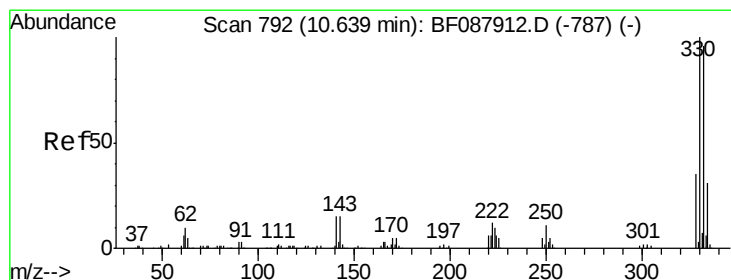
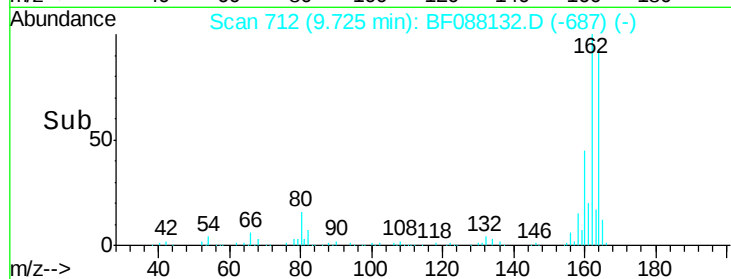
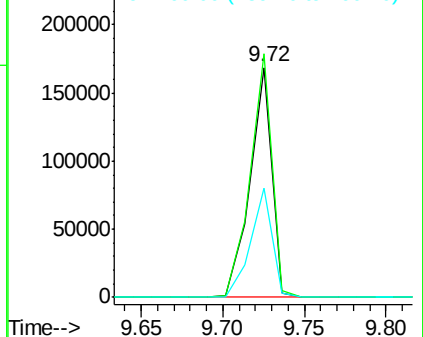
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.72 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: BF088132.D
 Acq: 18 Jun 2016 14:16

Instrument :
 BNA_F
 ClientSampleId :
 SS5-0-6

Tgt Ion:164 Resp: 155737
 Ion Ratio Lower Upper
 164 100
 162 105.8 85.4 128.2
 160 47.7 39.5 59.3

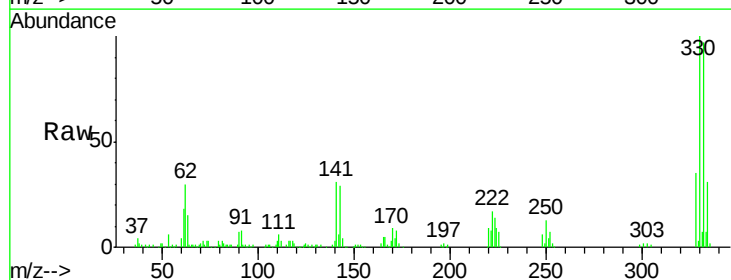


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

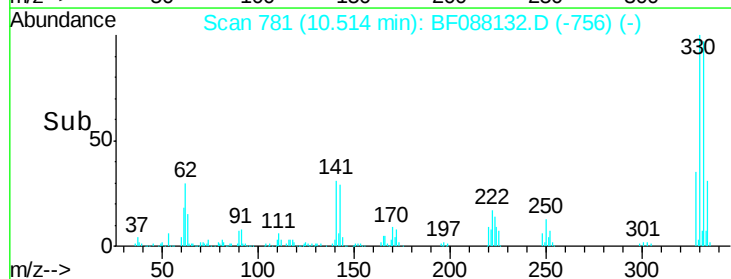
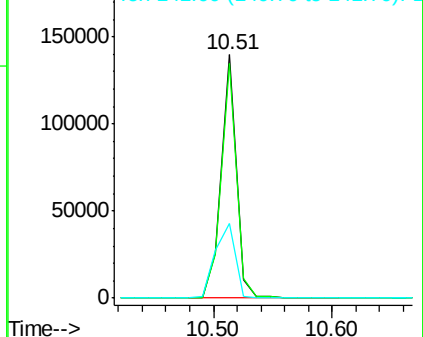


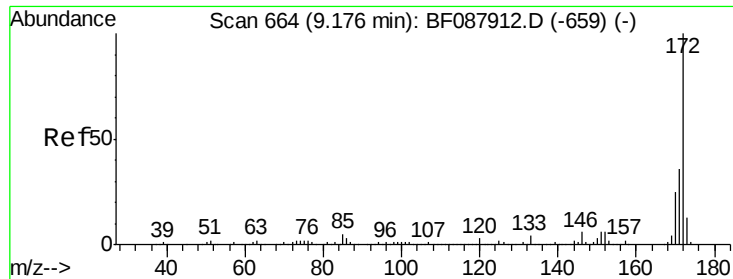
#41
 2,4,6-Tribromophenol
 Concen: 75.02 ng
 RT: 10.51 min Scan# 781
 Delta R.T. -0.01 min
 Lab File: BF088132.D
 Acq: 18 Jun 2016 14:16

Tgt Ion:330 Resp: 123358
 Ion Ratio Lower Upper
 330 100
 332 96.6 0.0 0.0#
 141 41.0 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

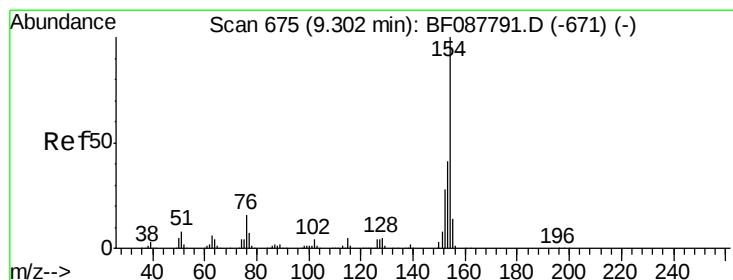
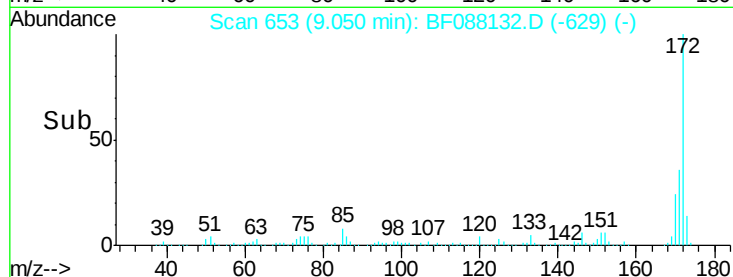
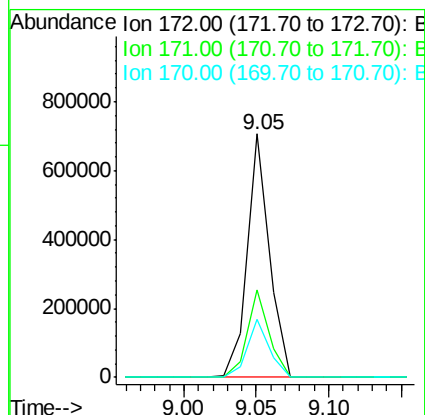
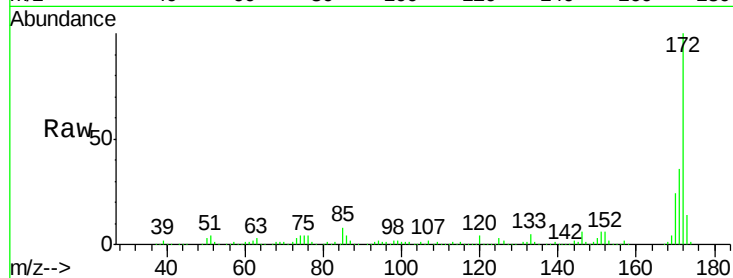




#44
 2-Fluorobiphenyl
 Concen: 74.51 ng
 RT: 9.05 min Scan# 653
 Delta R.T. -0.02 min
 Lab File: BF088132.D
 Acq: 18 Jun 2016 14:16

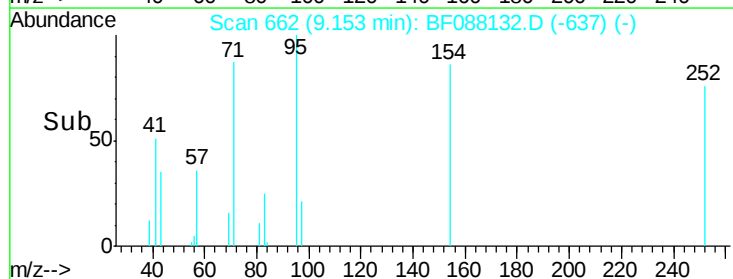
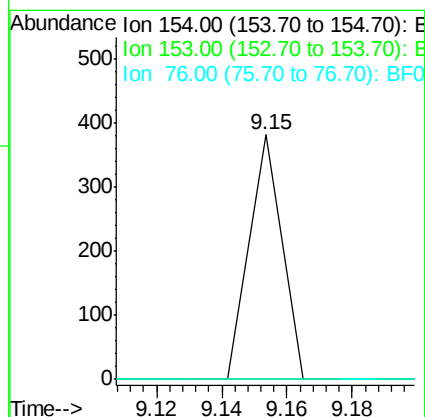
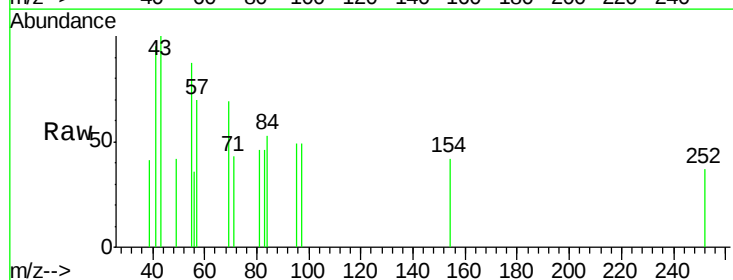
Instrument :
 BNA_F
 ClientSampleId :
 SS5-0-6

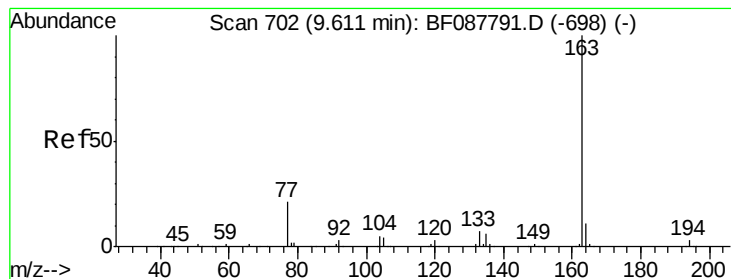
Tgt Ion:172 Resp: 745472
 Ion Ratio Lower Upper
 172 100
 171 36.0 28.6 43.0
 170 24.0 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.15 min Scan# 662
 Delta R.T. -0.01 min
 Lab File: BF088132.D
 Acq: 18 Jun 2016 14:16

Tgt Ion:154 Resp: 261
 Ion Ratio Lower Upper
 154 100
 153 0.0 20.6 60.6#
 76 0.0 0.0 35.1





#49

Dimethylphthalate

Concen: 15.38 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.02 min

Lab File: BF088132.D

Acq: 18 Jun 2016 14:16

Instrument :

BNA_F

ClientSampleId :

SS5-0-6

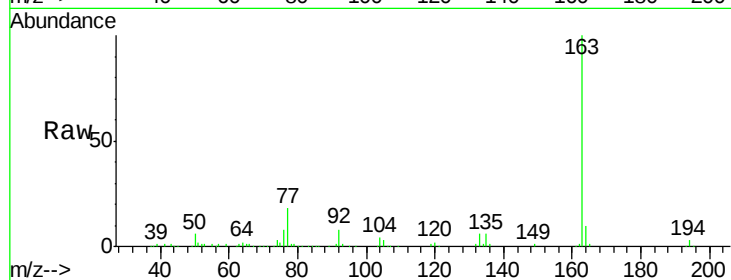
Tgt Ion:163 Resp: 173487

Ion Ratio Lower Upper

163 100

194 3.3 2.8 4.2

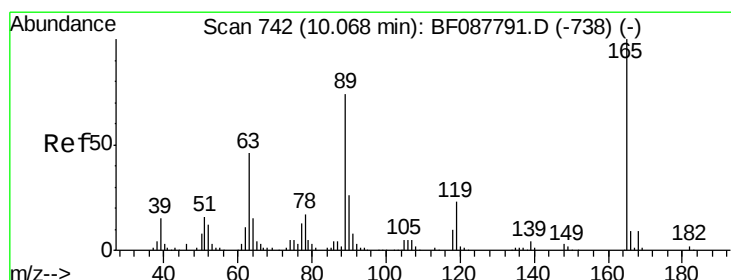
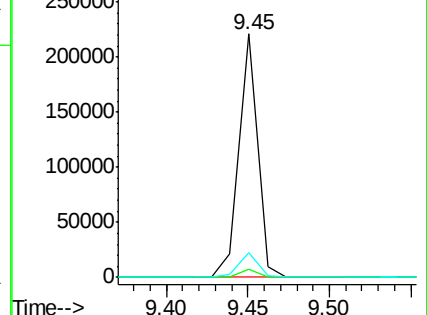
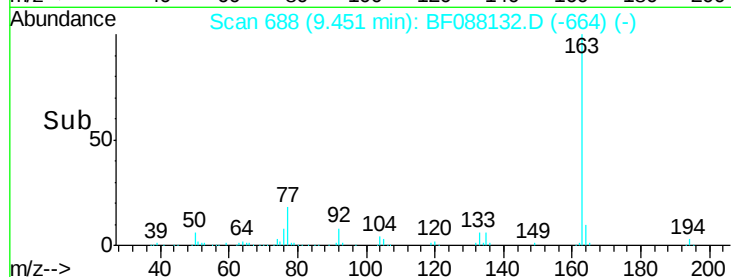
164 10.0 8.3 12.5



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: 6.02 ng

RT: 9.72 min Scan# 712

Delta R.T. -0.22 min

Lab File: BF088132.D

Acq: 18 Jun 2016 14:16

Tgt Ion:165 Resp: 19981

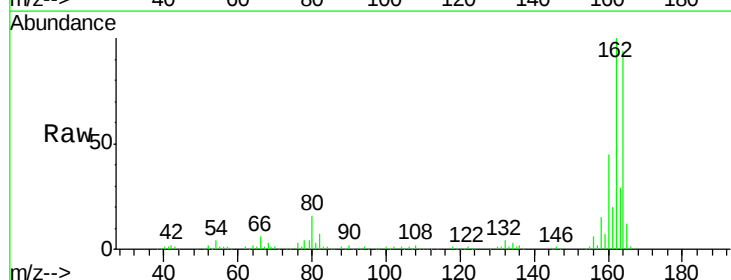
Ion Ratio Lower Upper

165 100

63 1.6 22.0 33.0#

89 1.9 41.1 61.7#

182 0.0 2.0 3.0#

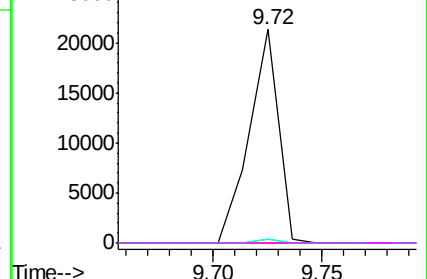
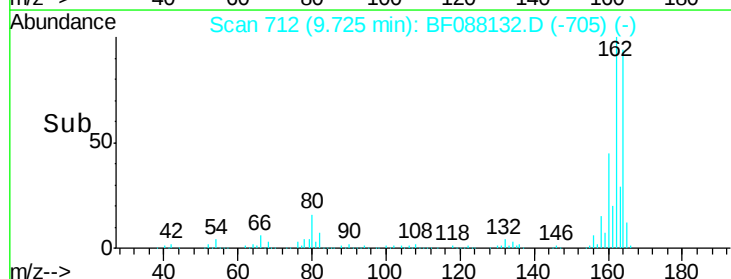


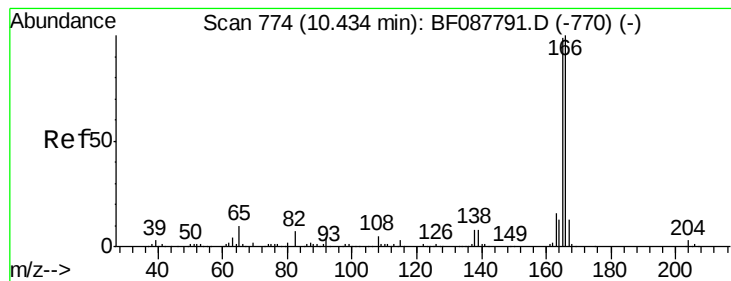
Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.27 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF088132.D

Acq: 18 Jun 2016 14:16

Instrument :

BNA_F

ClientSampleID :

SS5-0-6

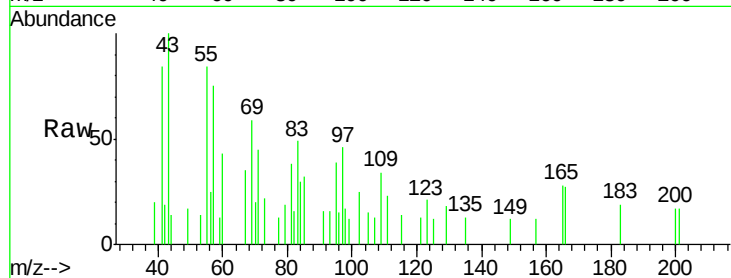
Tgt Ion:166 Resp: 863

Ion Ratio Lower Upper

166 100

165 105.8 77.8 116.8

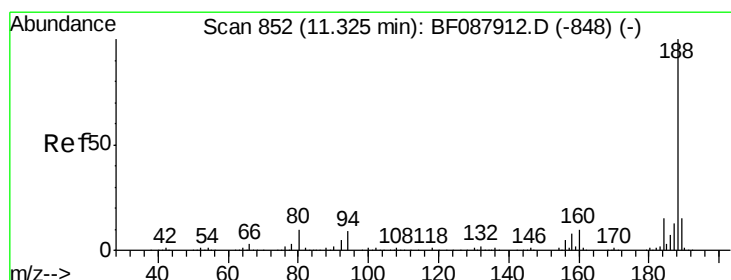
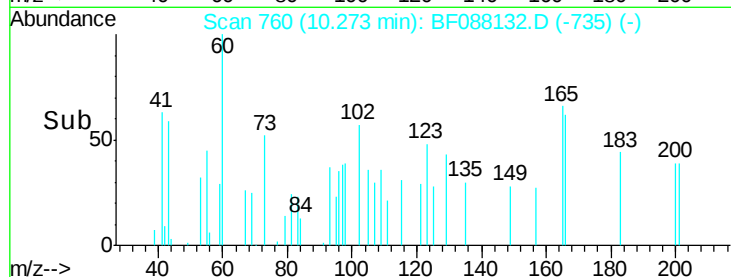
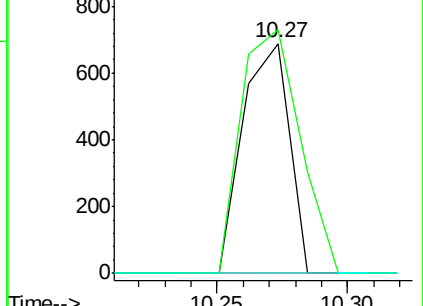
167 0.0 11.2 16.8#



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: 11.20 min Scan# 841

Delta R.T. -0.01 min

Lab File: BF088132.D

Acq: 18 Jun 2016 14:16

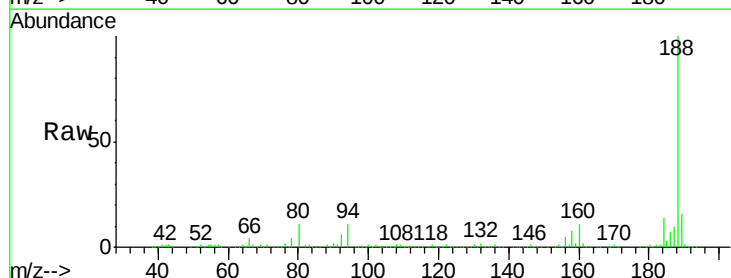
Tgt Ion:188 Resp: 242000

Ion Ratio Lower Upper

188 100

94 10.9 9.0 13.6

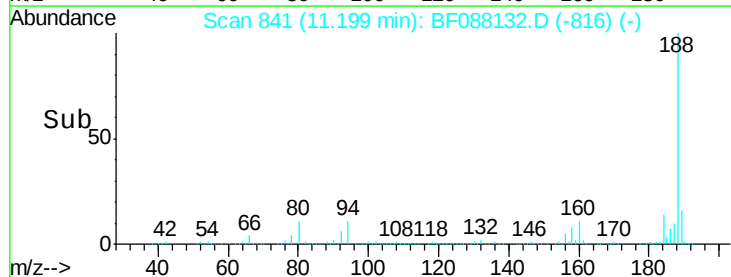
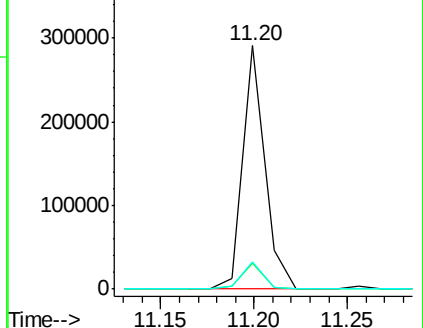
80 11.2 10.0 15.0

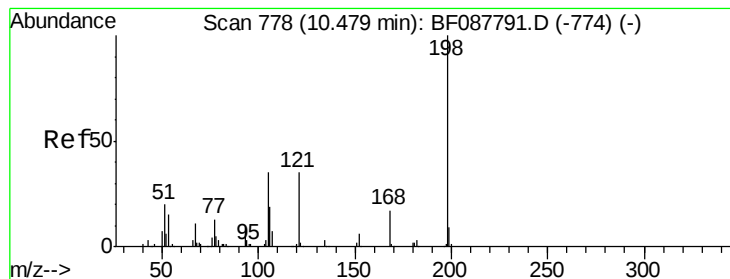


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 2.30 ng

RT: 10.51 min Scan# 781

Delta R.T. 0.16 min

Lab File: BF088132.D

Acq: 18 Jun 2016 14:16

Instrument :

BNA_F

ClientSampleId :

SS5-0-6

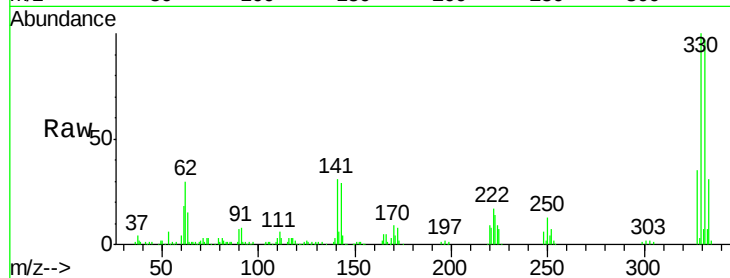
Tgt Ion:198 Resp: 214

Ion Ratio Lower Upper

198 100

51 167.6 39.6 79.6#

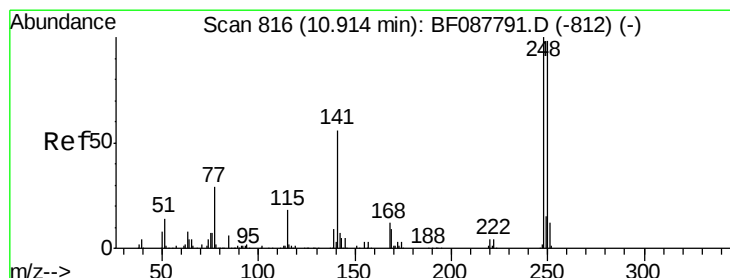
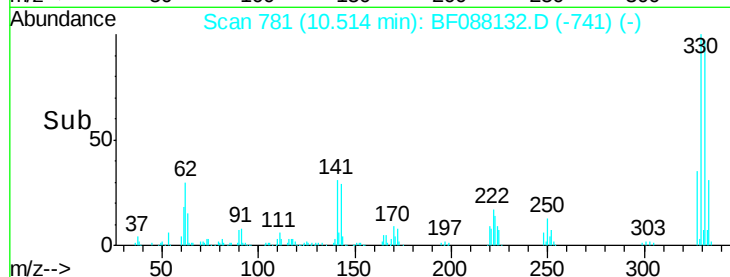
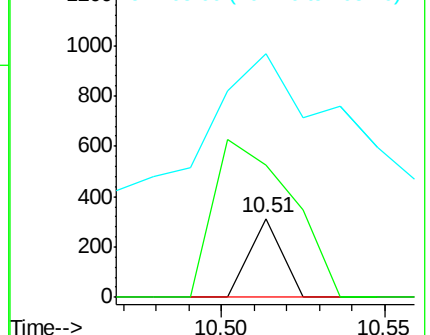
105 309.9 36.6 76.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.29 ng

RT: 10.51 min Scan# 781

Delta R.T. -0.25 min

Lab File: BF088132.D

Acq: 18 Jun 2016 14:16

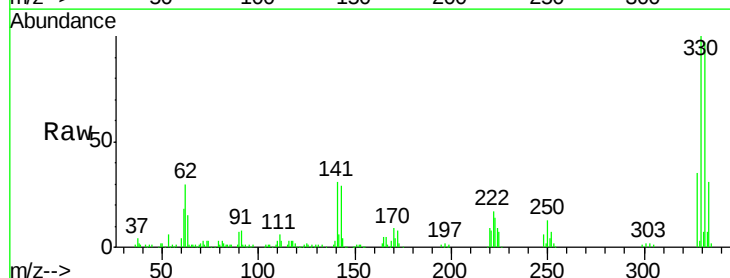
Tgt Ion:248 Resp: 8544

Ion Ratio Lower Upper

248 100

250 206.5 77.1 115.7#

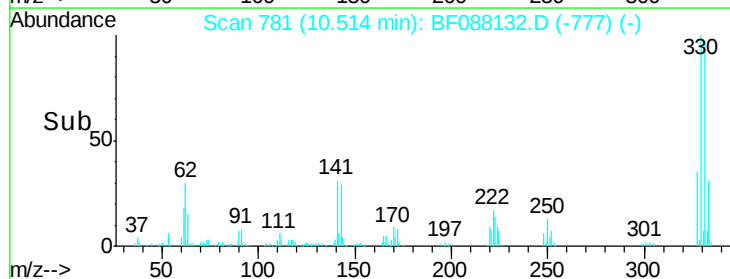
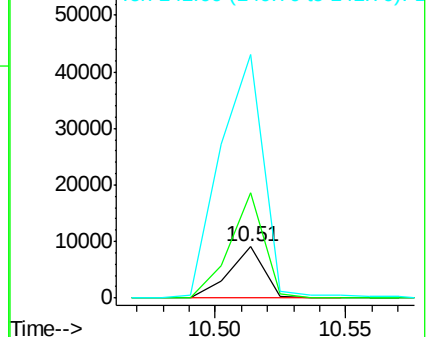
141 475.8 50.6 76.0#

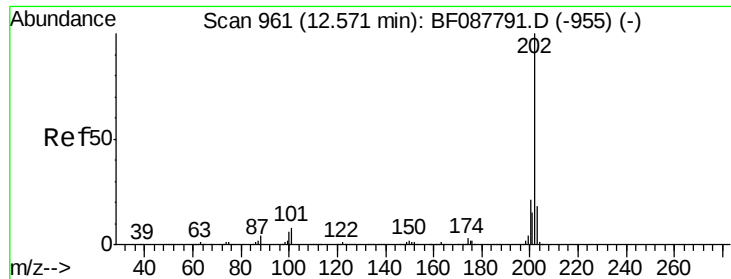


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#74

Fluoranthene

Concen: 2.08 ng

RT: 12.41 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF088132.D

Acq: 18 Jun 2016 14:16

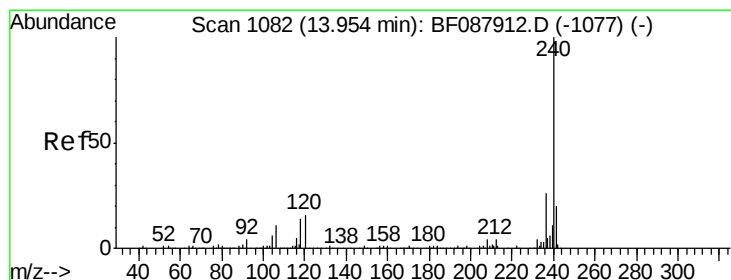
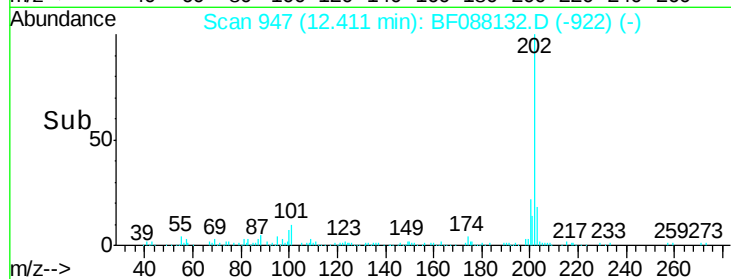
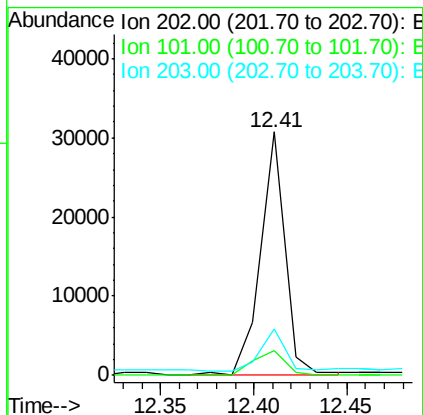
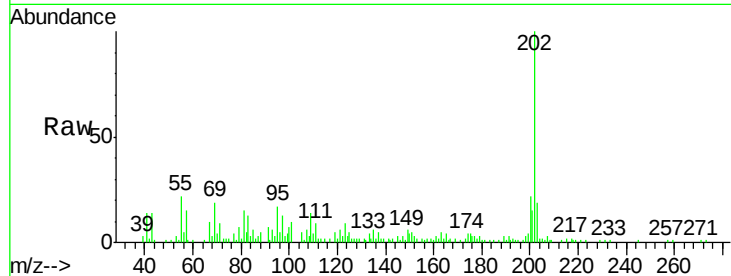
Instrument :

BNA_F

ClientSampleId :

SS5-0-6

Tgt Ion:	202	Resp:	27928
Ion Ratio	Lower	Upper	
202	100		
101	10.2	0.0	33.1
203	19.3	0.0	38.1



#75

Chrysene-d12

Concen: 20.00 ng

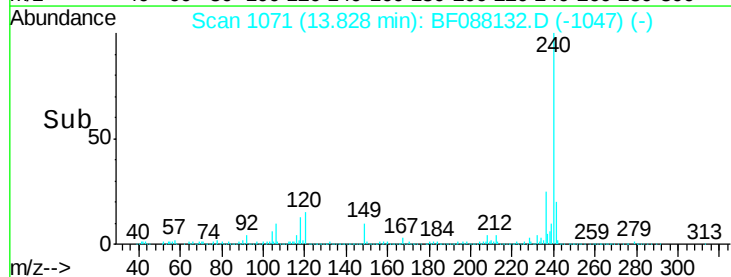
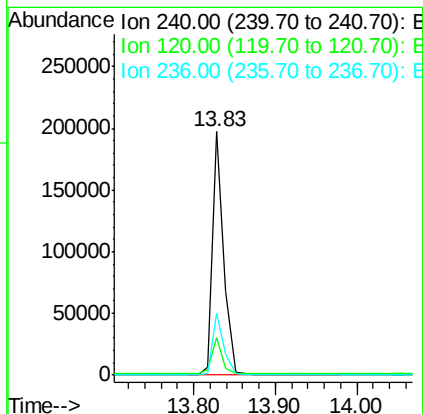
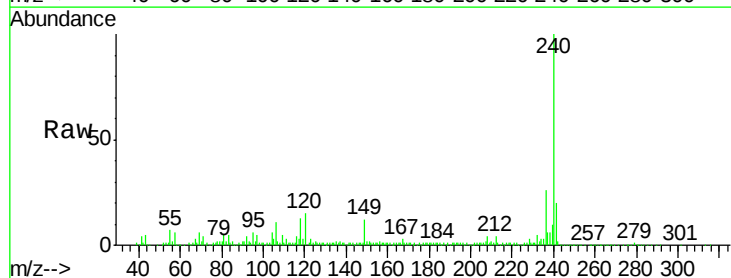
RT: 13.83 min Scan# 1071

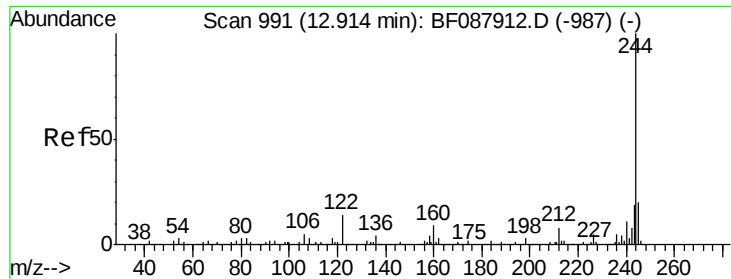
Delta R.T. -0.02 min

Lab File: BF088132.D

Acq: 18 Jun 2016 14:16

Tgt Ion:	240	Resp:	192253
Ion Ratio	Lower	Upper	
240	100		
120	15.4	6.8	10.2#
236	25.6	20.2	30.2





#78

Terphenyl-d14

Concen: 70.05 ng

RT: 12.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF088132.D

Acq: 18 Jun 2016 14:16

Instrument :

BNA_F

ClientSampleId :

SS5-0-6

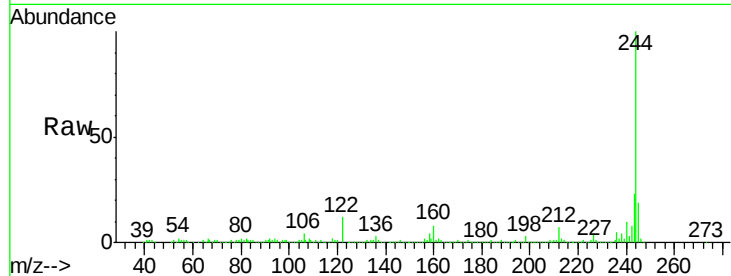
Tgt Ion:244 Resp: 591821

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

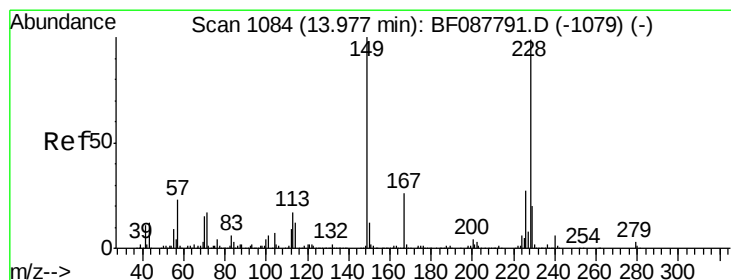
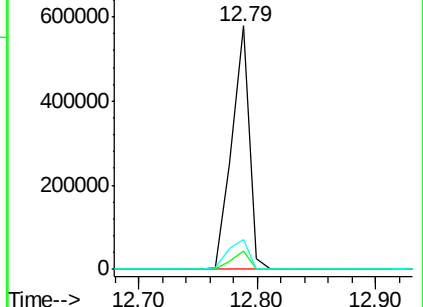
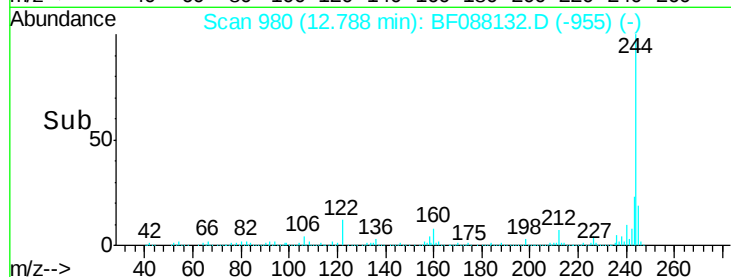
122 12.1 11.2 16.8



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.85 ng

RT: 13.83 min Scan# 1071

Delta R.T. -0.01 min

Lab File: BF088132.D

Acq: 18 Jun 2016 14:16

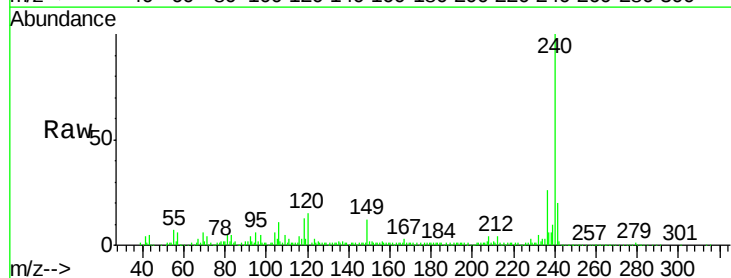
Tgt Ion:149 Resp: 29589

Ion Ratio Lower Upper

149 100

167 27.2 20.5 30.7

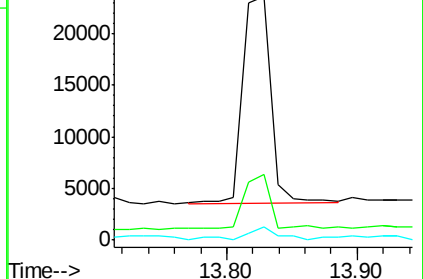
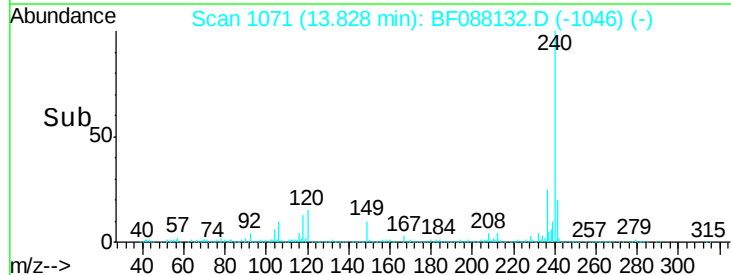
279 5.6 2.0 3.0#

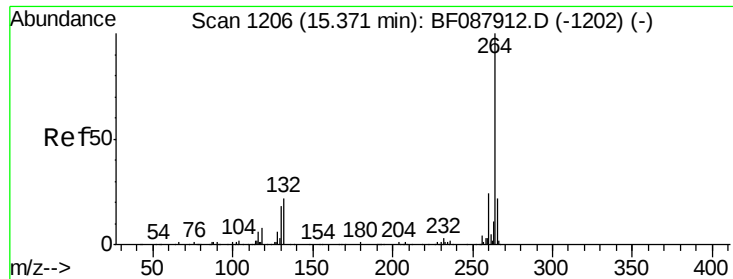


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



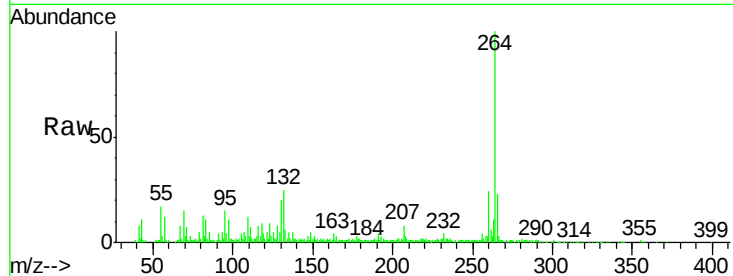


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.21 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BF088132.D
Acq: 18 Jun 2016 14:16

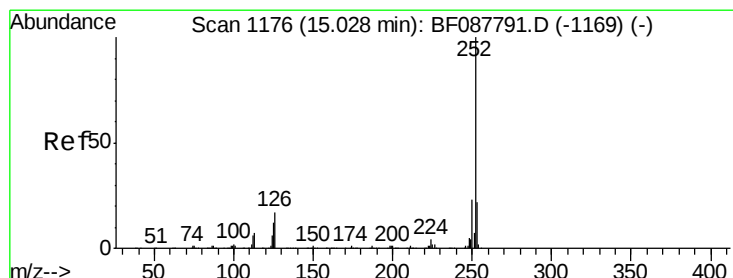
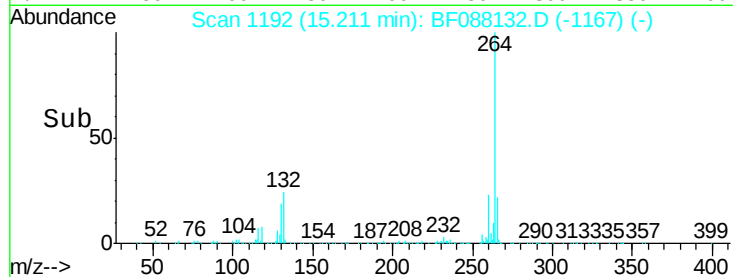
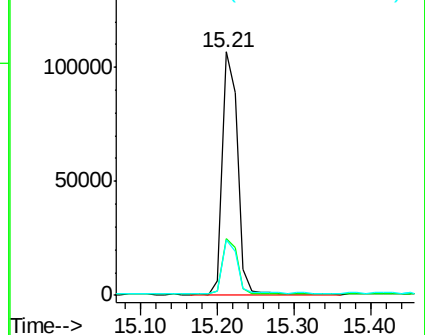
Instrument :
BNA_F
ClientSampled :
SS5-0-6

Tgt Ion: 264 Resp: 148397

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.6	16.9	25.3



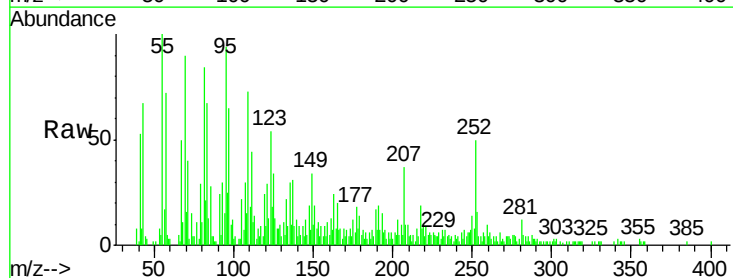
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88
Benzo(k)fluoranthene
Concen: 2.25 ng
RT: 14.83 min Scan# 1159
Delta R.T. -0.03 min
Lab File: BF088132.D
Acq: 18 Jun 2016 14:16

Tgt Ion: 252 Resp: 17528

Ion	Ratio	Lower	Upper
252	100		
253	32.2	18.0	27.0#
125	68.4	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

