

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061316\
 Data File : BF087993.D
 Acq On : 13 Jun 2016 20:05
 Operator : UM/SJ
 Sample : H3437-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S7-B1(0-12)C

Quant Time: Jun 14 02:29:15 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 14:10:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	121320	20.00	ng	0.01
21) Naphthalene-d8	8.08	136	447129	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	205232	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	308303	20.00	ng	0.00
75) Chrysene-d12	13.95	240	256990	20.00	ng	0.00
86) Perylene-d12	15.37	264	196637	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	733894	103.41	ng	0.01
7) Phenol-d6	6.43	99	989838	115.09	ng	0.00
23) Nitrobenzene-d5	7.36	82	522844	68.28	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	156819	72.37	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	820644	61.27	ng	0.00
78) Terphenyl-d14	12.90	244	589091	52.16	ng	0.00

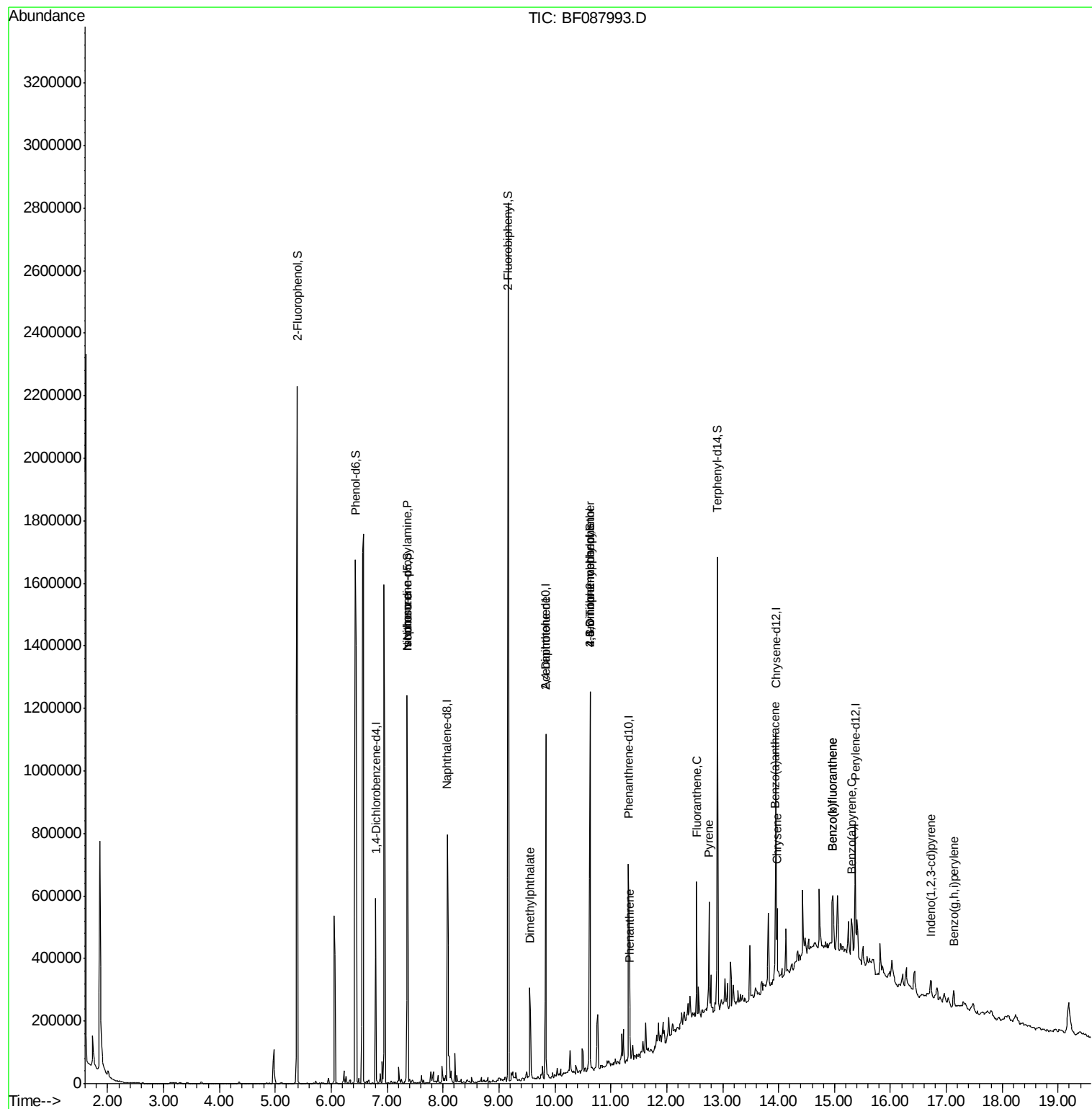
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.44	94	6642	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.36	70	67454	12.26	ng	75
25) Isophorone	7.36	82	457672	32.27	ng	65
45) 1,1'-Biphenyl	9.26	154	1594	Below Cal		79
49) Dimethylphthalate	9.55	163	151797	10.21	ng	99
56) 2,4-Dinitrotoluene	9.84	165	27209	6.22	ng	38
57) Fluorene	10.38	166	5625	Below Cal	#	89
64) 4,6-Dinitro-2-methylphenol	10.63	198	281	2.30	ng	1
66) 4-Bromophenyl-phenylether	10.63	248	11009	3.33	ng	1
70) Phenanthrene	11.34	178	66440	4.11	ng	99
74) Fluoranthene	12.54	202	154663	9.06	ng	97
77) Pyrene	12.75	202	139124	7.30	ng	99
80) Benzo(a)anthracene	13.94	228	100162	6.84	ng	99
82) Chrysene	13.98	228	70648	5.13	ng	97
85) Indeno(1,2,3-cd)pyrene	16.73	276	36073	2.82	ng	100
87) Benzo(b)fluoranthene	14.97	252	124828	9.11	ng	90
88) Benzo(k)fluoranthene	14.97	252	124828	12.07	ng	94
89) Benzo(a)pyrene	15.30	252	62144	5.60	ng	87
91) Benzo(g,h,i)perylene	17.13	276	36497	3.45	ng	90

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

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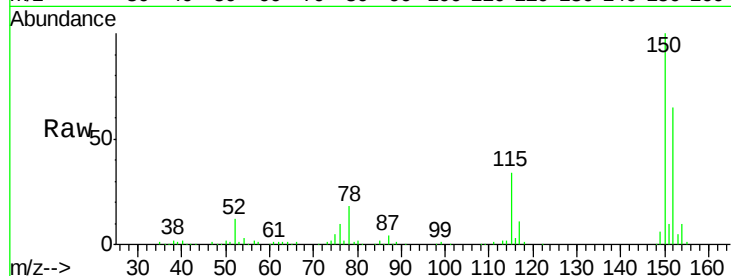




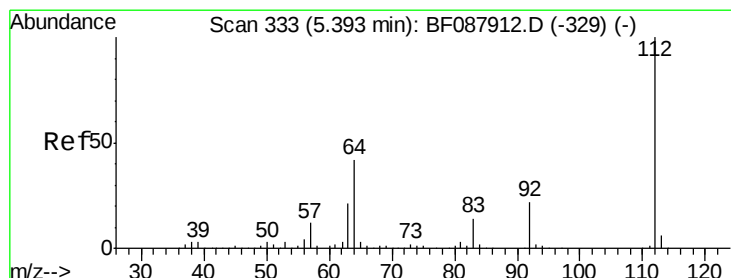
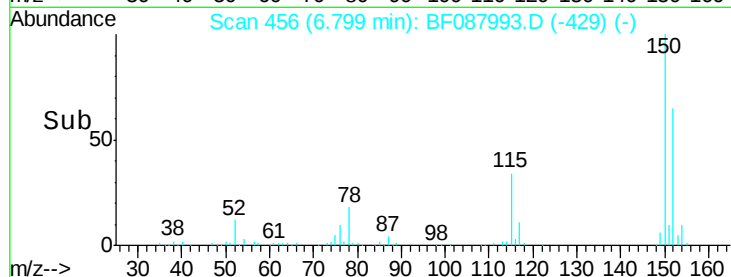
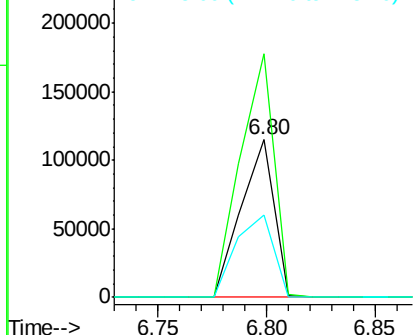
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 456
 Delta R.T. 0.01 min
 Lab File: BF087993.D
 Acq: 13 Jun 2016 20:05

Instrument :
 BNA_F
 ClientSampleId :
 S7-B1(0-12)C

Tgt Ion:152 Resp: 121320
 Ion Ratio Lower Upper
 152 100
 150 154.3 123.8 185.6
 115 52.4 39.6 59.4

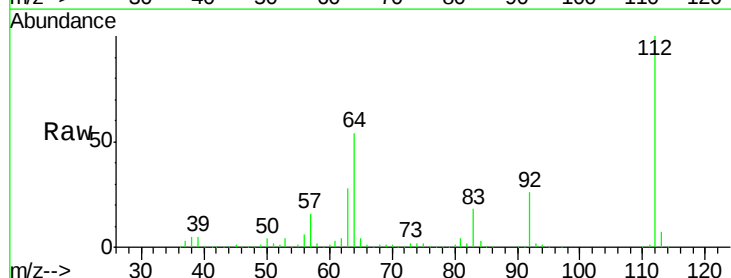


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

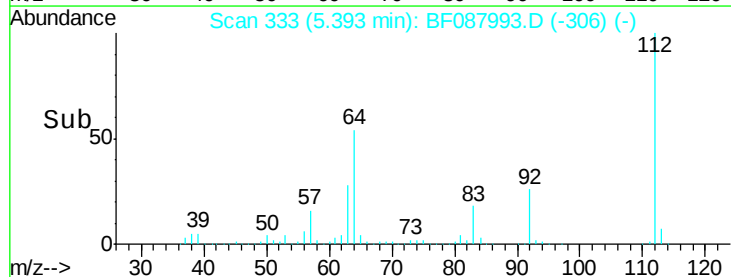
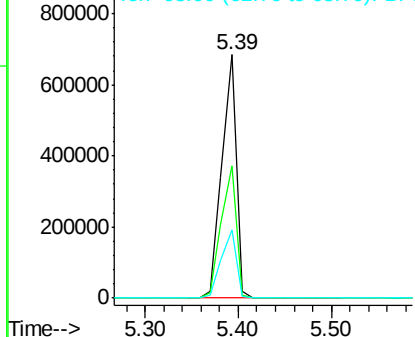


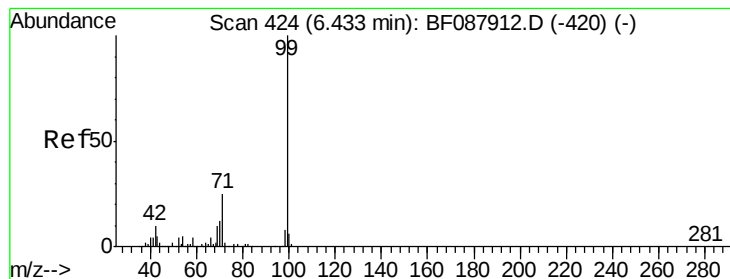
#5
 2-Fluorophenol
 Concen: 103.41 ng
 RT: 5.39 min Scan# 333
 Delta R.T. 0.01 min
 Lab File: BF087993.D
 Acq: 13 Jun 2016 20:05

Tgt Ion:112 Resp: 733894
 Ion Ratio Lower Upper
 112 100
 64 54.1 42.2 63.2
 63 28.0 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: 115.09 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.00 min

Lab File: BF087993.D

Acq: 13 Jun 2016 20:05

Instrument :

BNA_F

ClientSampleId :

S7-B1(0-12)C

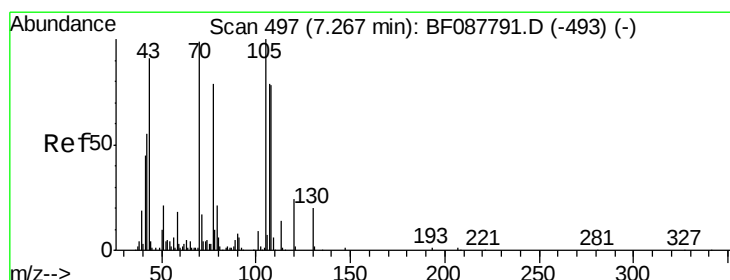
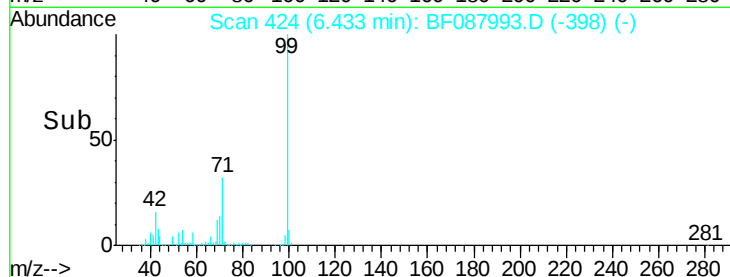
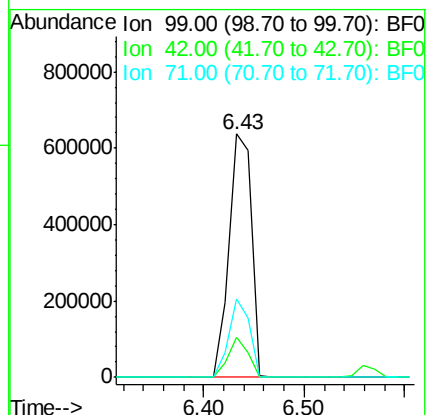
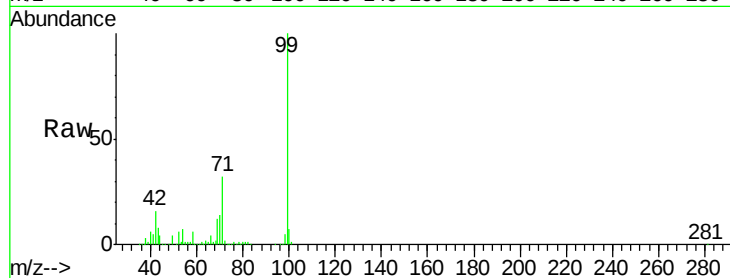
Tgt Ion: 99 Resp: 989838

Ion Ratio Lower Upper

99 100

42 16.2 12.2 18.2

71 32.2 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.26 ng

RT: 7.36 min Scan# 505

Delta R.T. 0.14 min

Lab File: BF087993.D

Acq: 13 Jun 2016 20:05

Tgt Ion: 70 Resp: 67454

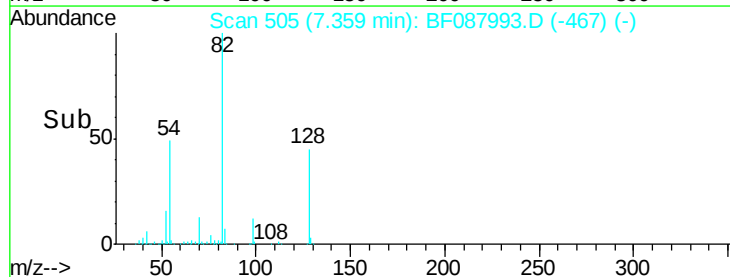
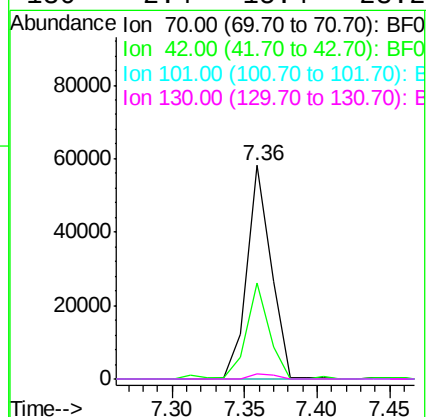
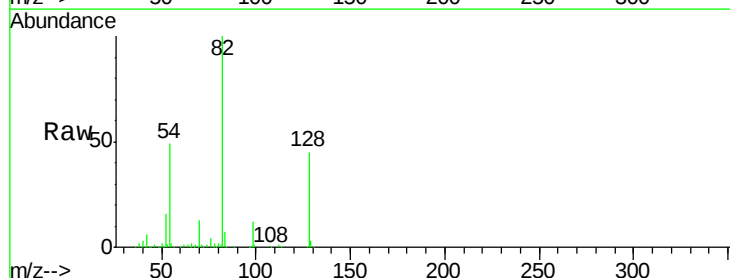
Ion Ratio Lower Upper

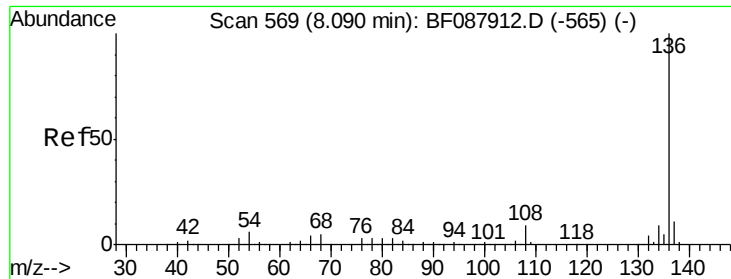
70 100

42 45.1 49.6 74.4#

101 0.0 7.1 10.7#

130 2.4 15.4 23.2#

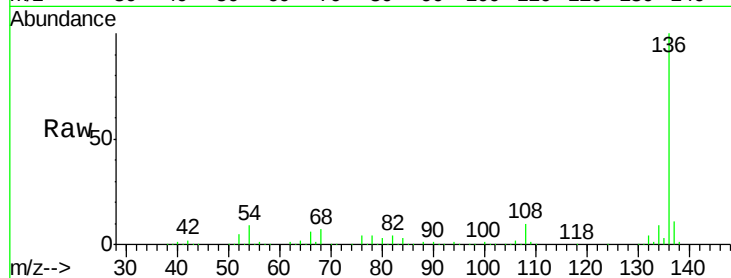




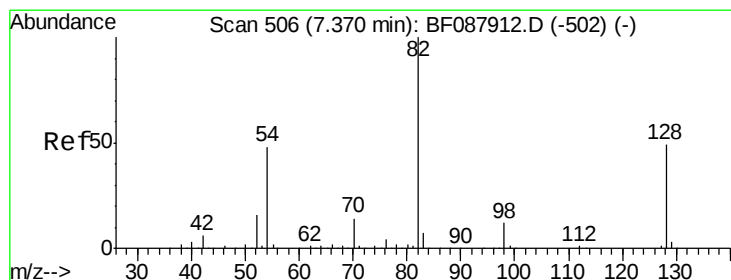
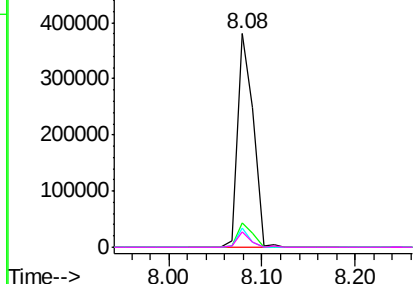
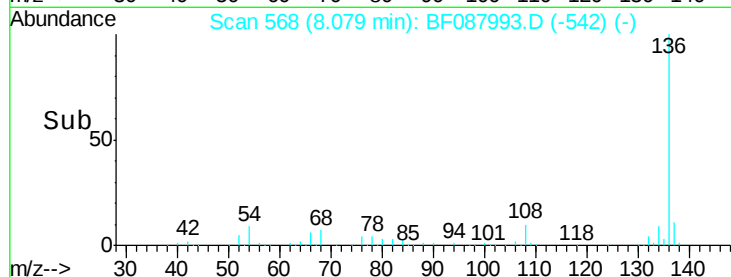
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 568
Delta R.T. -0.00 min
Lab File: BF087993.D
Acq: 13 Jun 2016 20:05

Instrument :
BNA_F
ClientSampleId :
S7-B1(0-12)C

Tgt Ion:	136	Resp:	447129
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	9.3	6.6	10.0
68	7.5	5.1	7.7

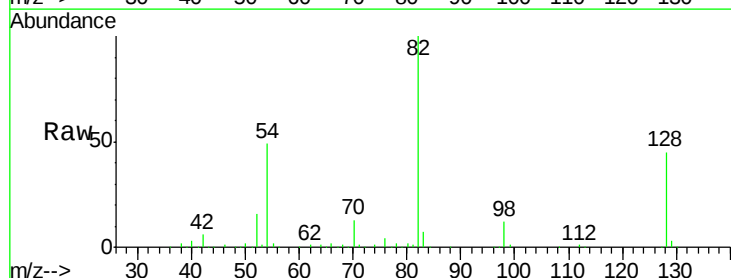


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

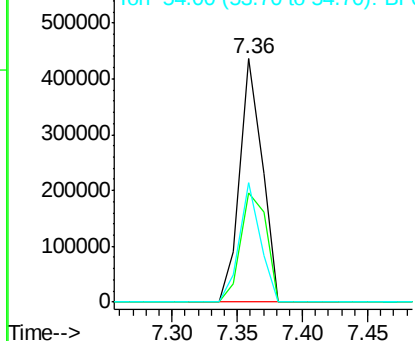
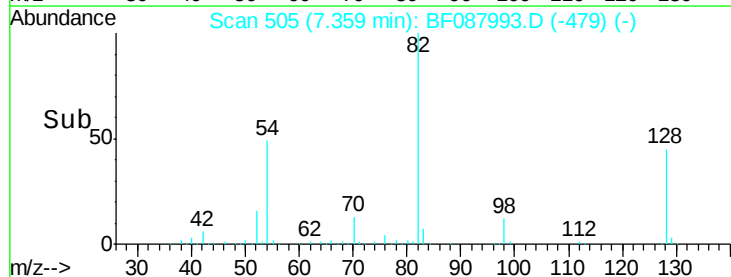


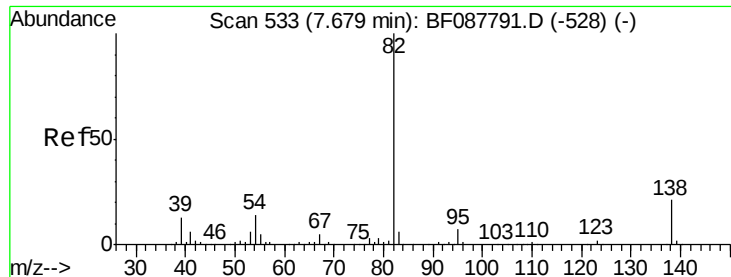
#23
Nitrobenzene-d5
Concen: 68.28 ng
RT: 7.36 min Scan# 505
Delta R.T. -0.00 min
Lab File: BF087993.D
Acq: 13 Jun 2016 20:05

Tgt Ion:	82	Resp:	522844
Ion	Ratio	Lower	Upper
82	100		
128	45.1	35.9	53.9
54	48.9	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





#25

Isophorone

Concen: 32.27 ng

RT: 7.36 min Scan# 505

Delta R.T. -0.26 min

Lab File: BF087993.D

Acq: 13 Jun 2016 20:05

Instrument :

BNA_F

ClientSampleId :

S7-B1(0-12)C

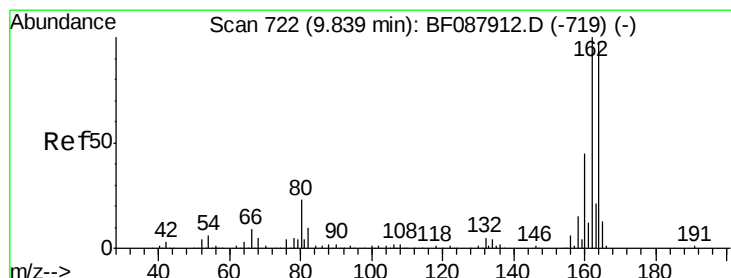
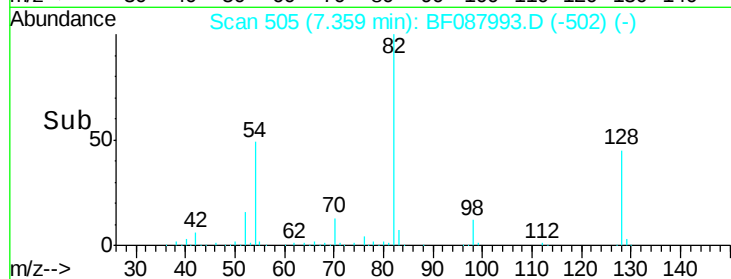
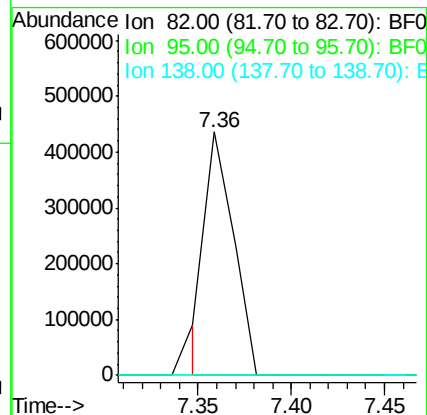
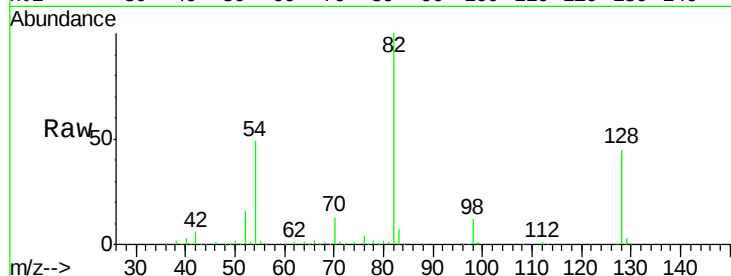
Tgt Ion: 82 Resp: 457672

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 722

Delta R.T. -0.00 min

Lab File: BF087993.D

Acq: 13 Jun 2016 20:05

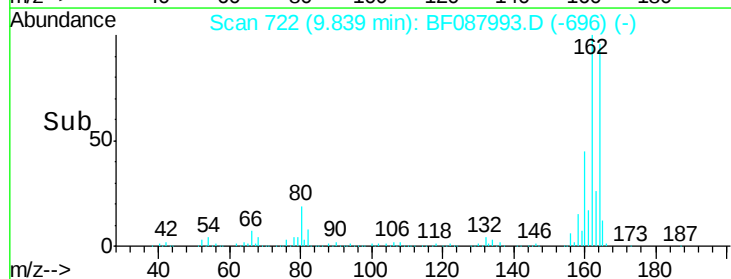
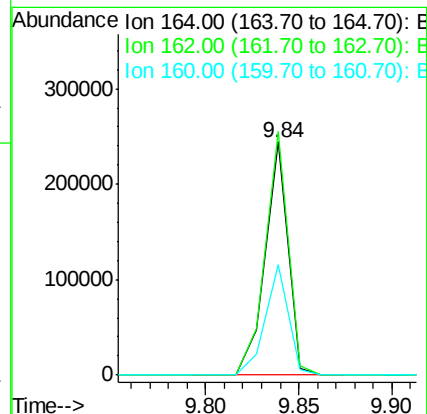
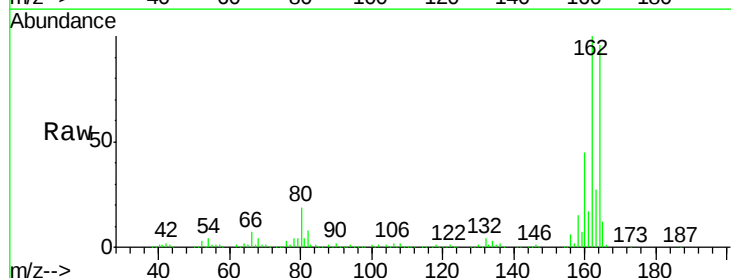
Tgt Ion: 164 Resp: 205232

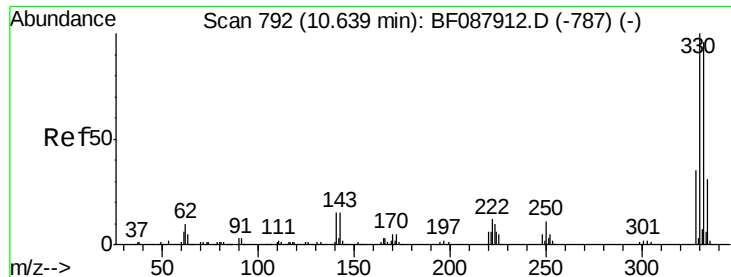
Ion Ratio Lower Upper

164 100

162 104.5 85.4 128.2

160 47.2 39.5 59.3

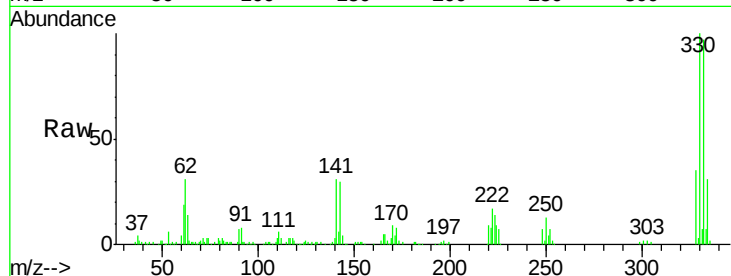




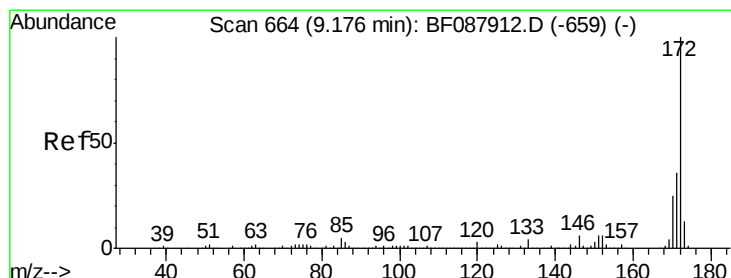
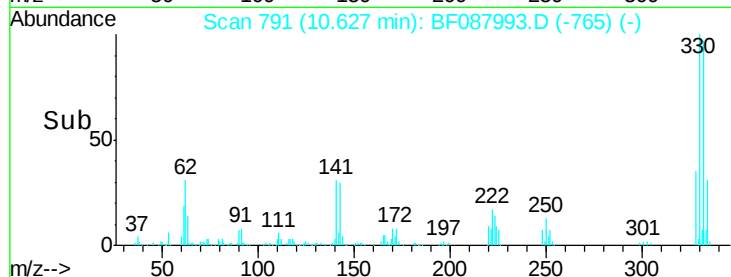
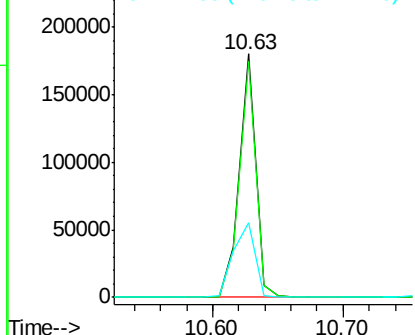
#41
 2,4,6-Tribromophenol
 Concen: 72.37 ng
 RT: 10.63 min Scan# 791
 Delta R.T. -0.00 min
 Lab File: BF087993.D
 Acq: 13 Jun 2016 20:05

Instrument :
 BNA_F
 ClientSampleId :
 S7-B1(0-12)C

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	0.0	0.0#
141	42.0	0.0	0.0#

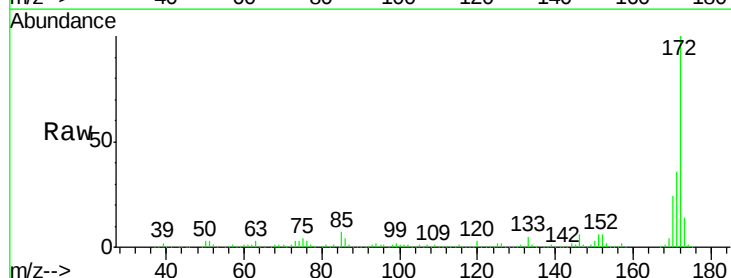


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

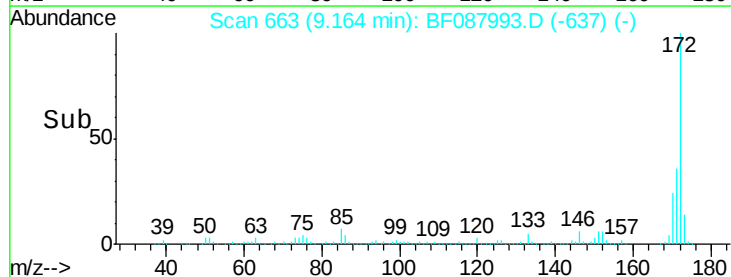
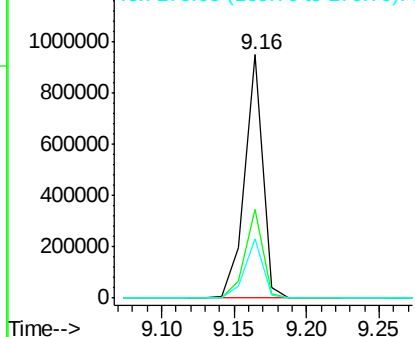


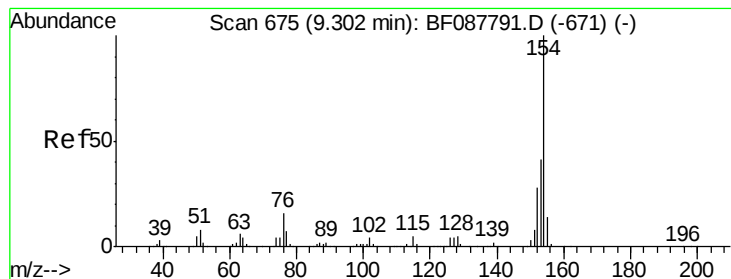
#44
 2-Fluorobiphenyl
 Concen: 61.27 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: BF087993.D
 Acq: 13 Jun 2016 20:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	43.0
170	24.3	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: 9.26 min Scan# 671

Delta R.T. -0.01 min

Lab File: BF087993.D

Acq: 13 Jun 2016 20:05

Instrument :

BNA_F

ClientSampleId :

S7-B1(0-12)C

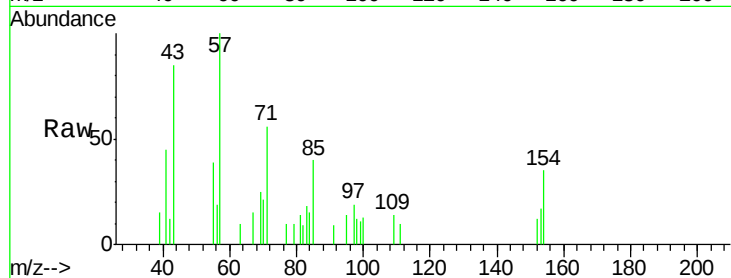
Tgt Ion:154 Resp: 1594

Ion Ratio Lower Upper

154 100

153 49.8 20.6 60.6

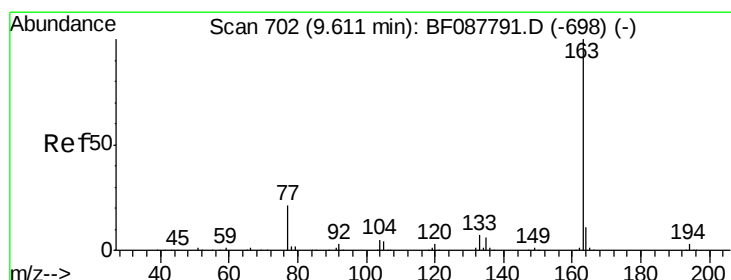
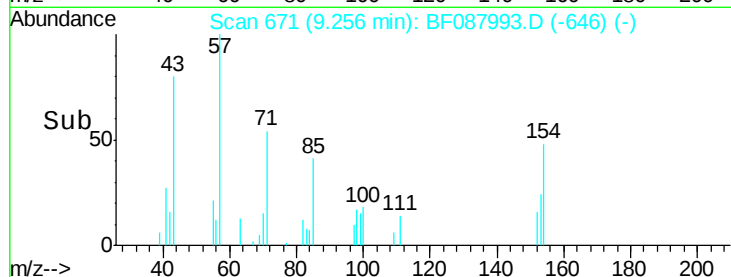
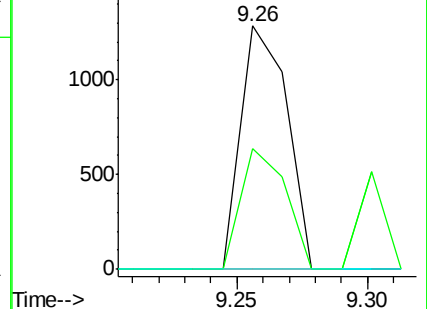
76 0.0 0.0 35.1



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



#49

Dimethylphthalate

Concen: 10.21 ng

RT: 9.55 min Scan# 697

Delta R.T. -0.01 min

Lab File: BF087993.D

Acq: 13 Jun 2016 20:05

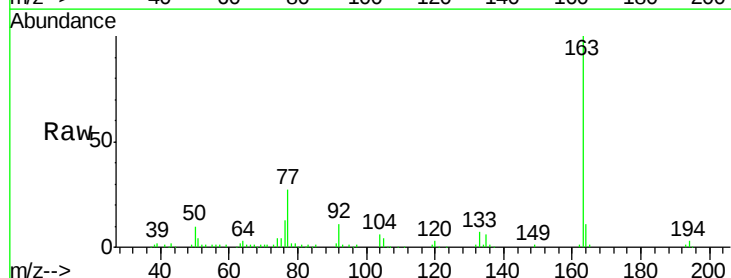
Tgt Ion:163 Resp: 151797

Ion Ratio Lower Upper

163 100

194 2.9 2.8 4.2

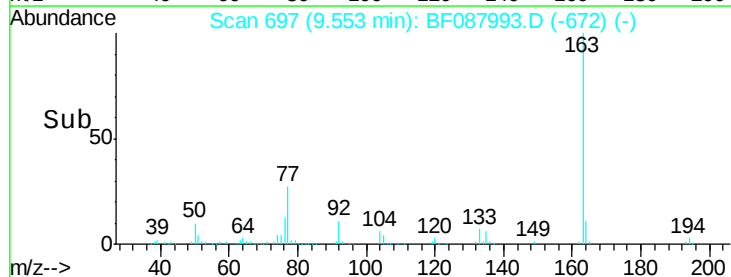
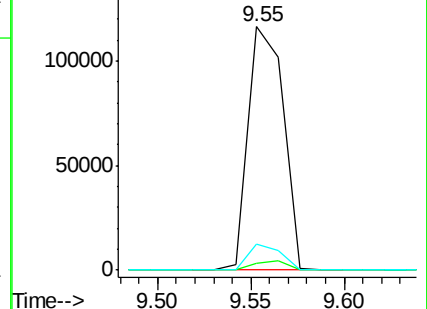
164 10.7 8.3 12.5

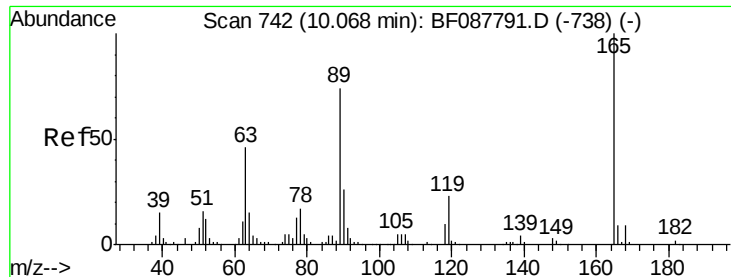


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

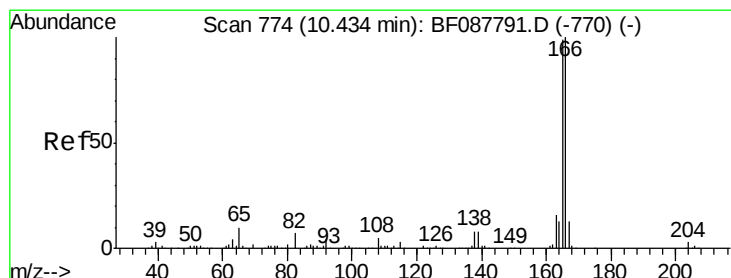
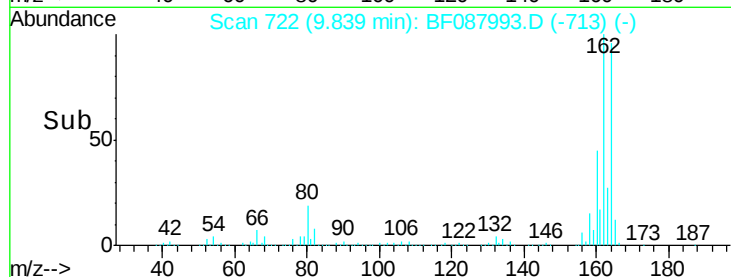
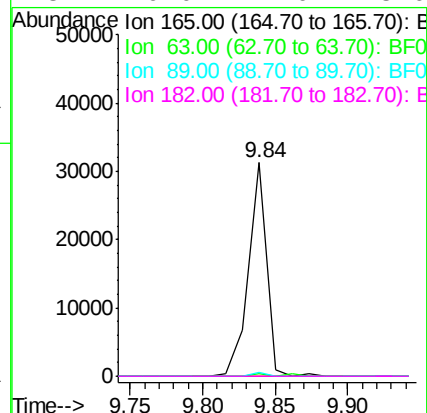
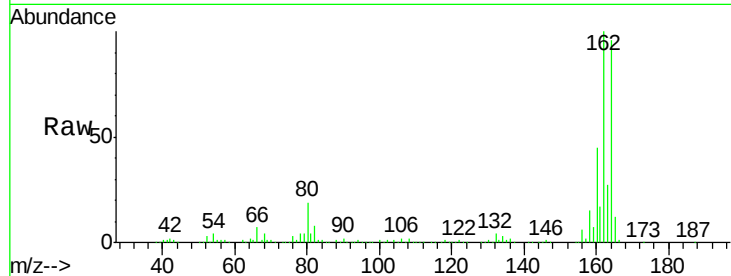




#56
2,4-Dinitrotoluene
Concen: 6.22 ng
RT: 9.84 min Scan# 722
Delta R.T. -0.19 min
Lab File: BF087993.D
Acq: 13 Jun 2016 20:05

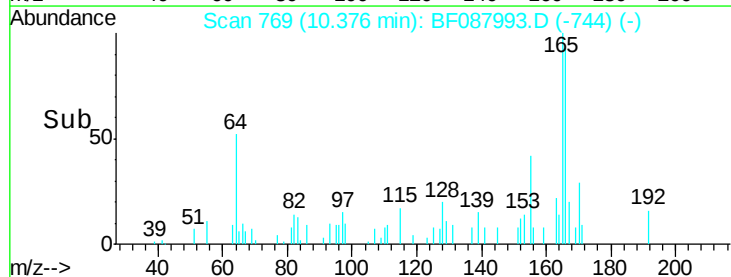
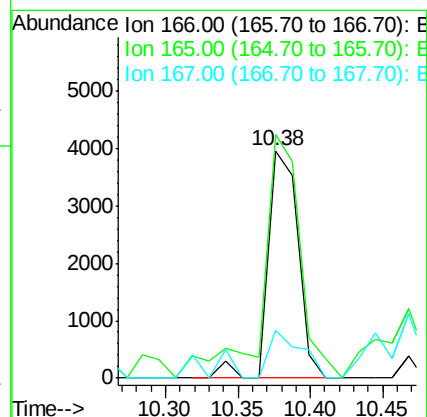
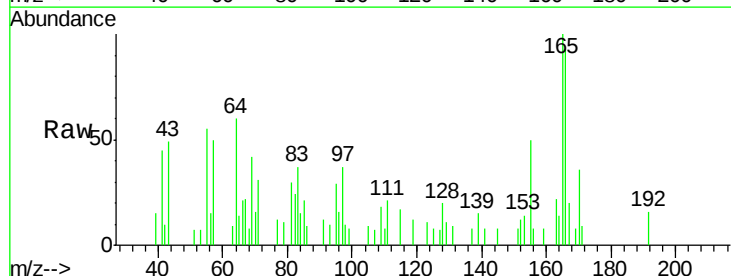
Instrument :
BNA_F
ClientSampleId :
S7-B1(0-12)C

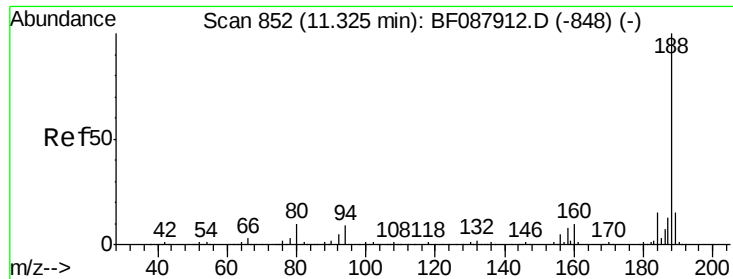
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	22.0	33.0#
89	1.6	41.1	61.7#
182	0.0	2.0	3.0#



#57
Fluorene
Concen: Below Cal
RT: 10.38 min Scan# 769
Delta R.T. -0.01 min
Lab File: BF087993.D
Acq: 13 Jun 2016 20:05

Tgt Ion	Ratio	Lower	Upper
166	100		
165	107.0	77.8	116.8
167	21.2	11.2	16.8#

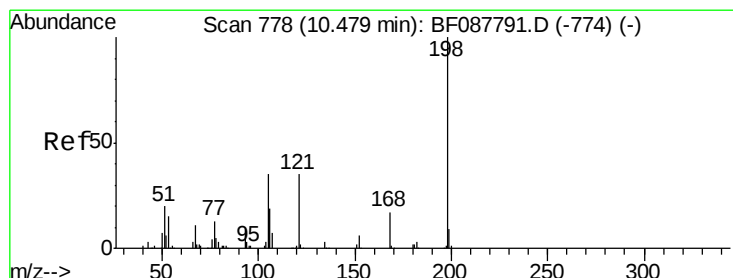
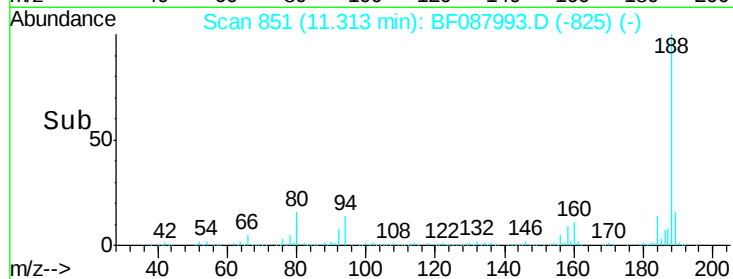
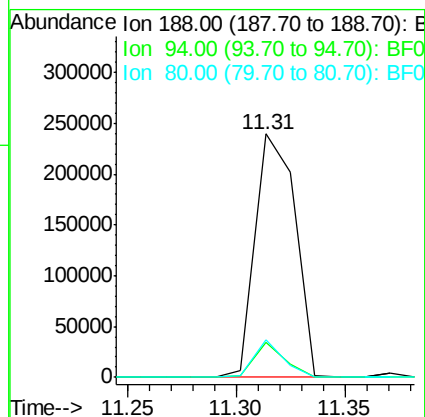
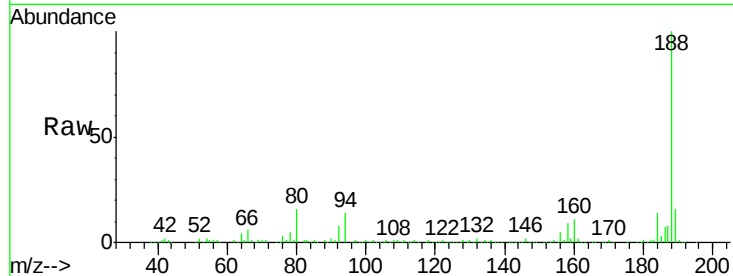




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.31 min Scan# 851
 Delta R.T. -0.00 min
 Lab File: BF087993.D
 Acq: 13 Jun 2016 20:05

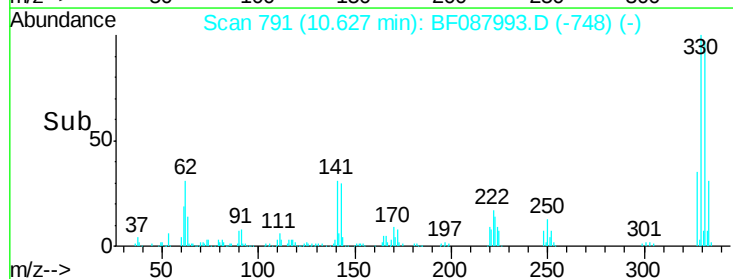
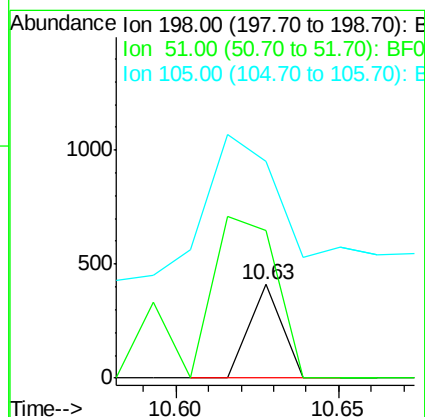
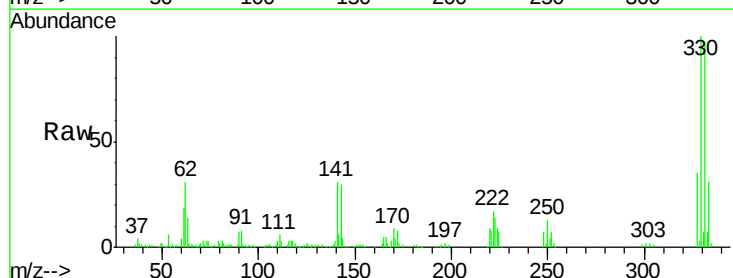
Instrument :
 BNA_F
 ClientSampleId :
 S7-B1(0-12)C

Tgt Ion:188 Resp: 308303
 Ion Ratio Lower Upper
 188 100
 94 14.5 9.0 13.6#
 80 15.6 10.0 15.0#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.30 ng
 RT: 10.63 min Scan# 791
 Delta R.T. 0.19 min
 Lab File: BF087993.D
 Acq: 13 Jun 2016 20:05

Tgt Ion:198 Resp: 281
 Ion Ratio Lower Upper
 198 100
 51 157.8 39.6 79.6#
 105 232.2 36.6 76.6#

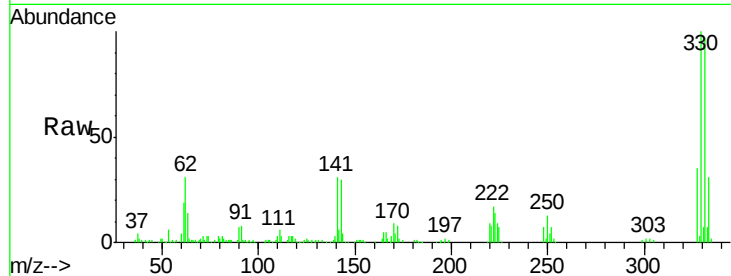




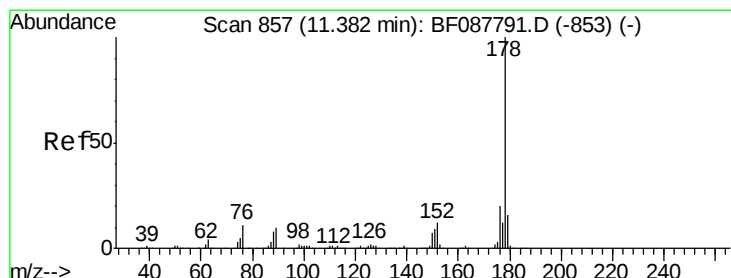
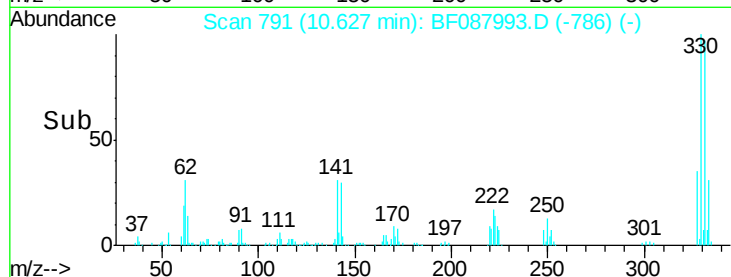
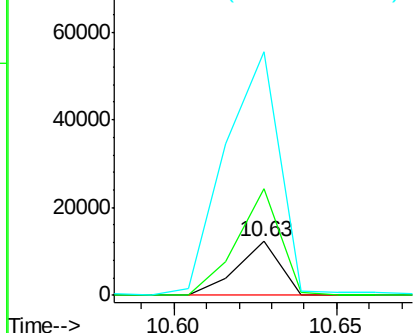
#66
 4-Bromophenyl-phenylether
 Concen: 3.33 ng
 RT: 10.63 min Scan# 791
 Delta R.T. -0.24 min
 Lab File: BF087993.D
 Acq: 13 Jun 2016 20:05

Instrument :
 BNA_F
 ClientSampleId :
 S7-B1(0-12)C

Tgt Ion:248 Resp: 11009
 Ion Ratio Lower Upper
 248 100
 250 197.4 77.1 115.7#
 141 452.5 50.6 76.0#

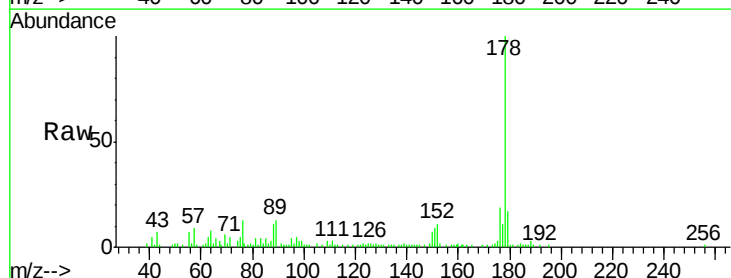


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

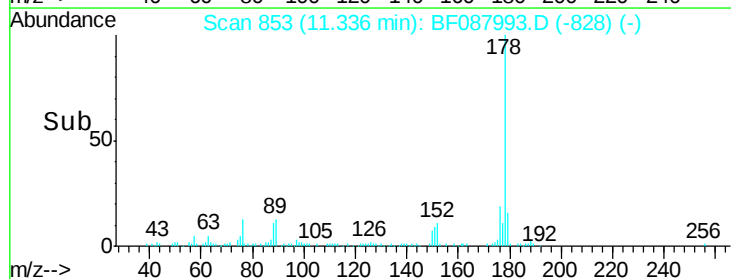
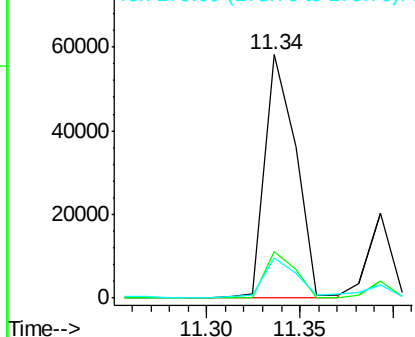


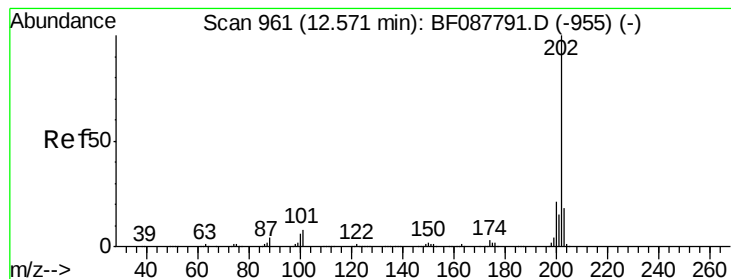
#70
 Phenanthrene
 Concen: 4.11 ng
 RT: 11.34 min Scan# 853
 Delta R.T. -0.01 min
 Lab File: BF087993.D
 Acq: 13 Jun 2016 20:05

Tgt Ion:178 Resp: 66440
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.8 23.6
 179 16.7 13.0 19.4



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 9.06 ng

RT: 12.54 min Scan# 958

Delta R.T. 0.01 min

Lab File: BF087993.D

Acq: 13 Jun 2016 20:05

Instrument :

BNA_F

ClientSampleId :

S7-B1(0-12)C

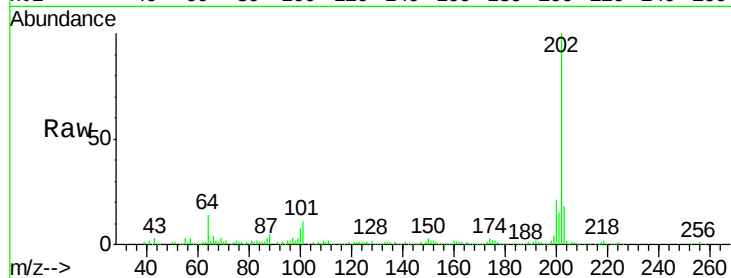
Tgt Ion:202 Resp: 154663

Ion Ratio Lower Upper

202 100

101 11.2 0.0 33.1

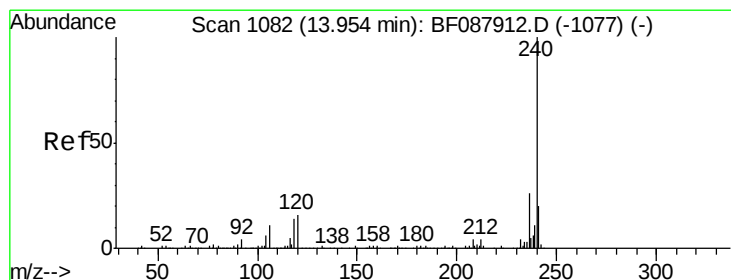
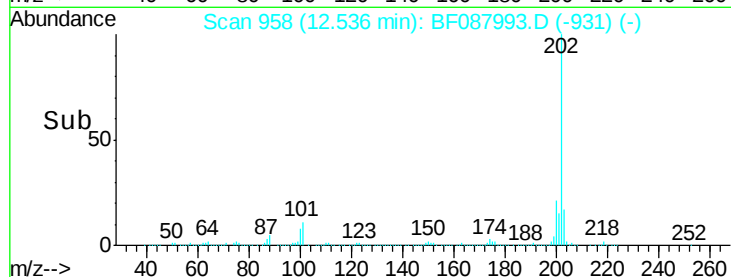
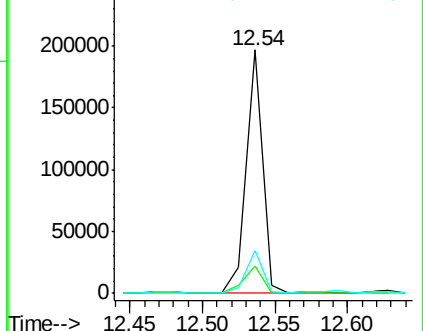
203 17.5 0.0 38.1



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: 13.95 min Scan# 1082

Delta R.T. -0.00 min

Lab File: BF087993.D

Acq: 13 Jun 2016 20:05

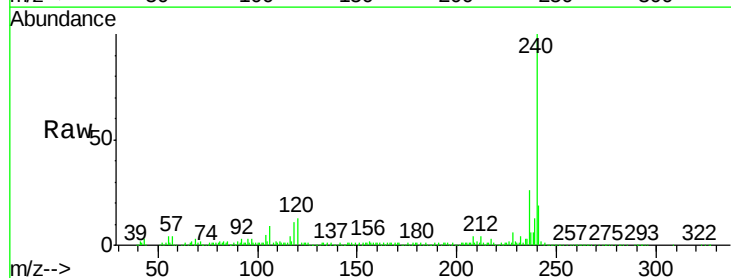
Tgt Ion:240 Resp: 256990

Ion Ratio Lower Upper

240 100

120 13.0 6.8 10.2#

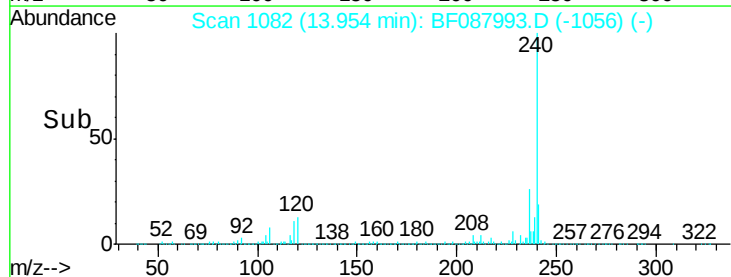
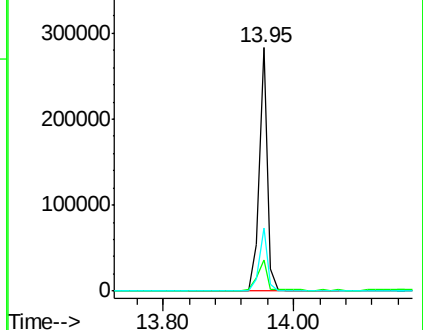
236 25.9 20.2 30.2

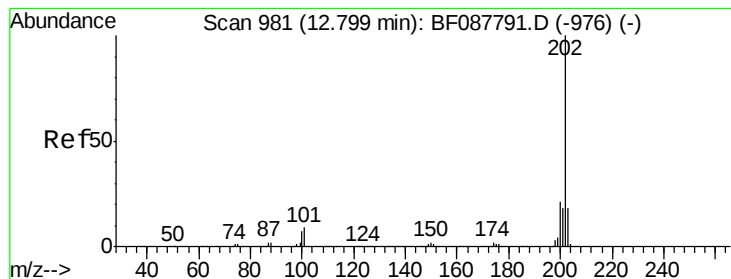


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 7.30 ng

RT: 12.75 min Scan# 977

Delta R.T. -0.00 min

Lab File: BF087993.D

Acq: 13 Jun 2016 20:05

Instrument :

BNA_F

ClientSampleId :

S7-B1(0-12)C

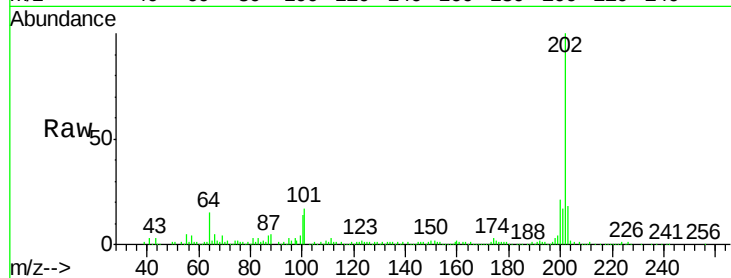
Tgt Ion:202 Resp: 139124

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

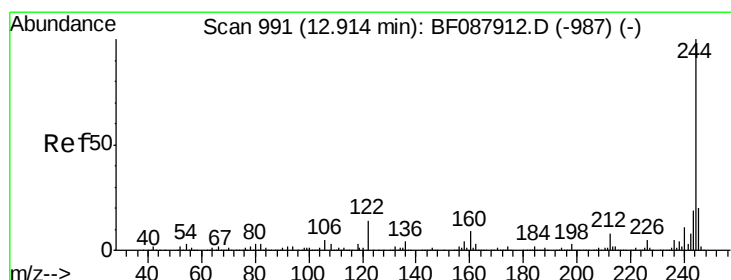
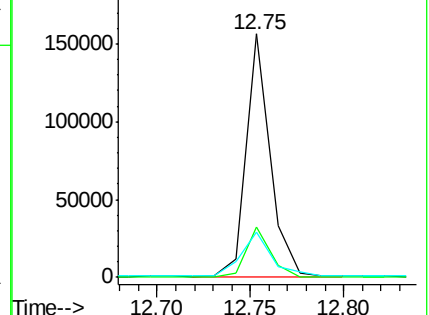
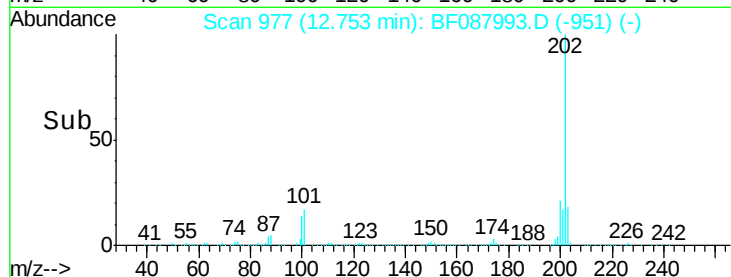
203 18.4 14.5 21.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 52.16 ng

RT: 12.90 min Scan# 990

Delta R.T. -0.00 min

Lab File: BF087993.D

Acq: 13 Jun 2016 20:05

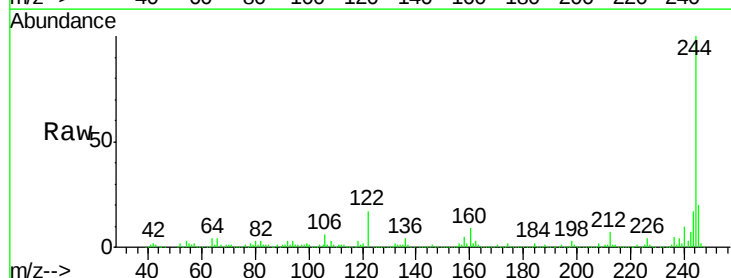
Tgt Ion:244 Resp: 589091

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

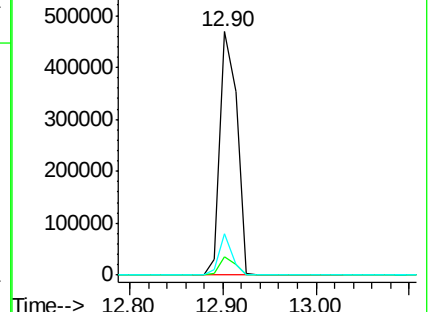
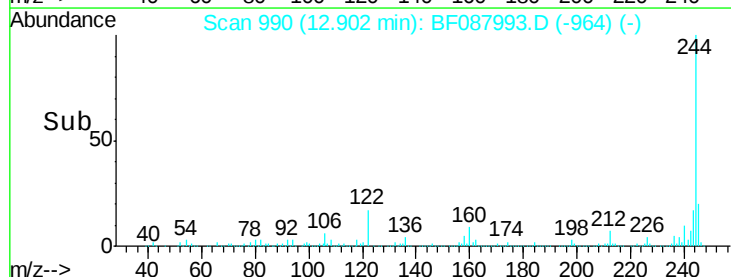
122 17.1 11.2 16.8#

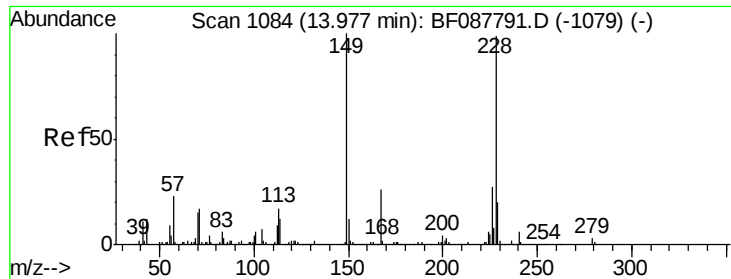


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 6.84 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.00 min

Lab File: BF087993.D

Acq: 13 Jun 2016 20:05

Instrument :

BNA_F

ClientSampleId :

S7-B1(0-12)C

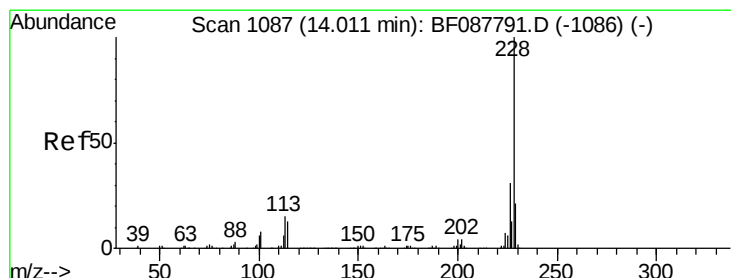
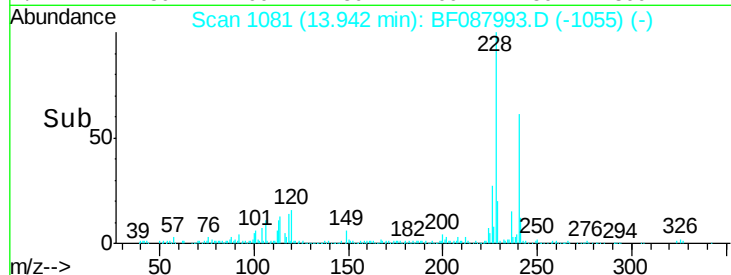
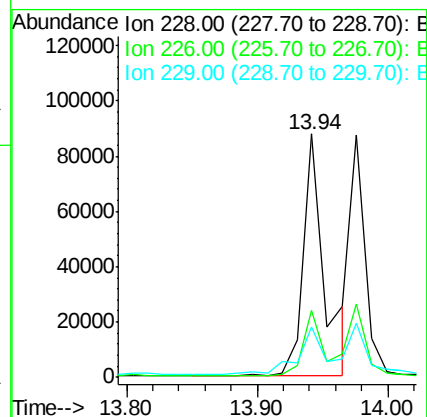
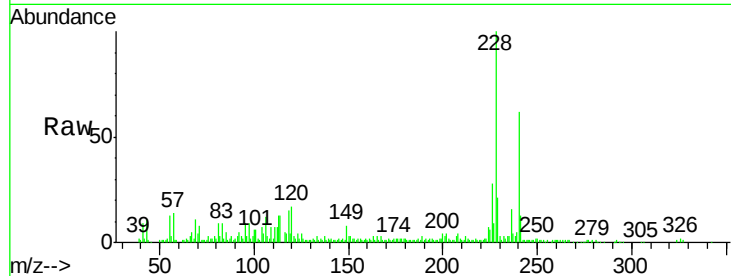
Tgt Ion:228 Resp: 100162

Ion Ratio Lower Upper

228 100

226 27.6 22.3 33.5

229 20.9 16.0 24.0



#82

Chrysene

Concen: 5.13 ng

RT: 13.98 min Scan# 1084

Delta R.T. -0.00 min

Lab File: BF087993.D

Acq: 13 Jun 2016 20:05

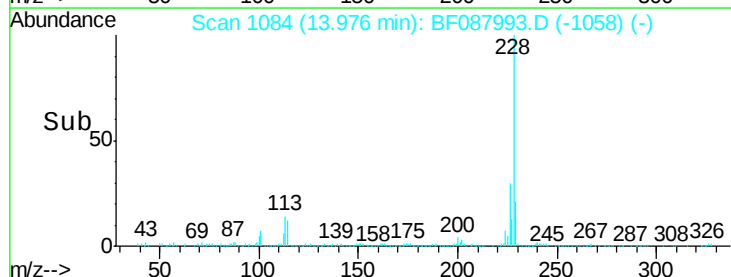
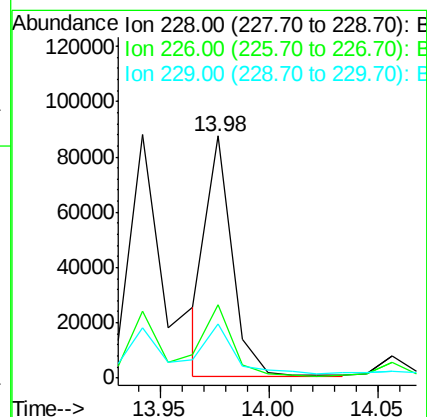
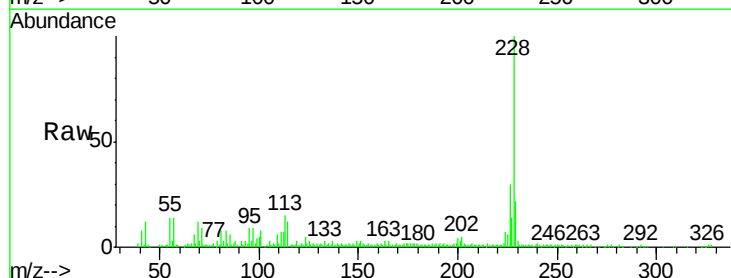
Tgt Ion:228 Resp: 70648

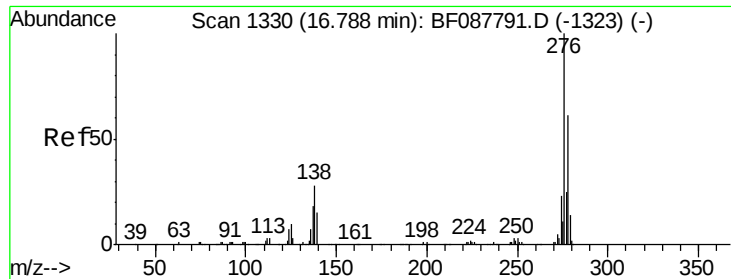
Ion Ratio Lower Upper

228 100

226 30.4 25.4 38.2

229 22.2 16.3 24.5

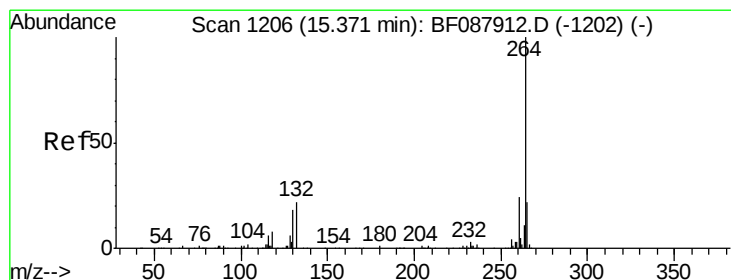
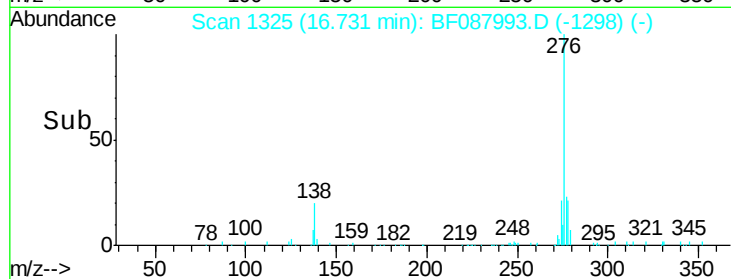
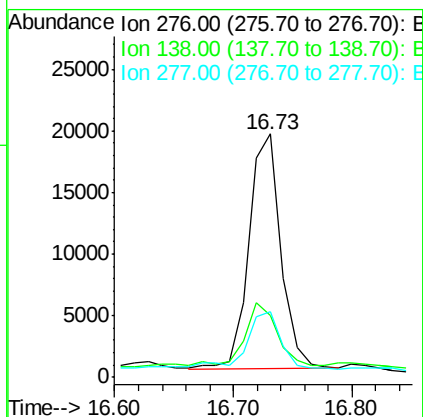
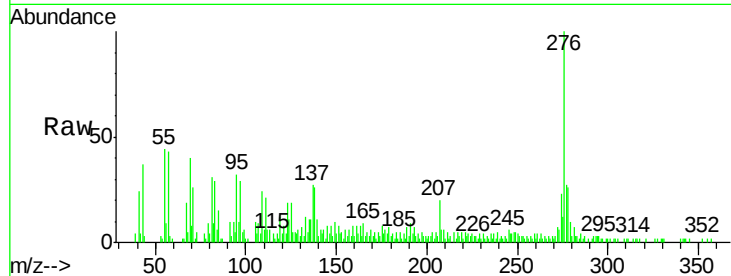




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.82 ng
 RT: 16.73 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: BF087993.D
 Acq: 13 Jun 2016 20:05

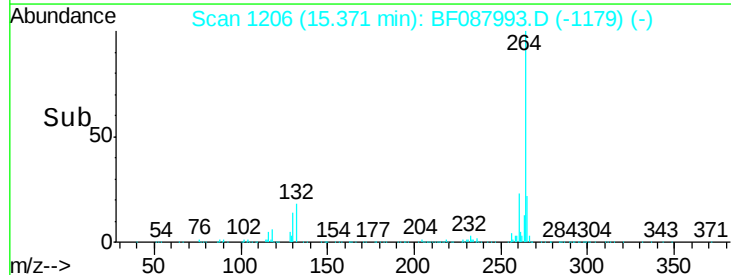
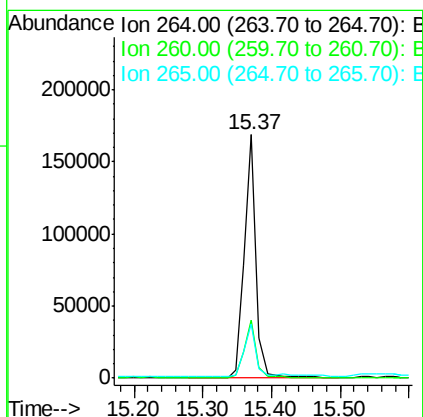
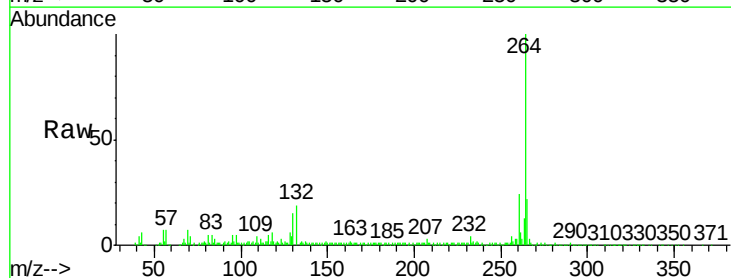
Instrument :
 BNA_F
 ClientSampleId :
 S7-B1(0-12)C

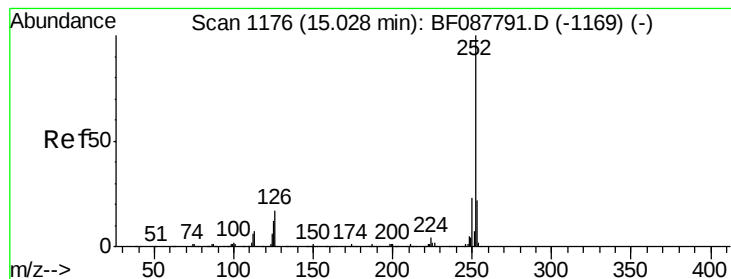
Tgt Ion: 276 Resp: 36073
 Ion Ratio Lower Upper
 276 100
 138 29.4 0.0 0.0#
 277 28.2 0.0 0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.37 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: BF087993.D
 Acq: 13 Jun 2016 20:05

Tgt Ion: 264 Resp: 196637
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 22.4 16.9 25.3





#87

Benzo(b)fluoranthene

Concen: 9.11 ng

RT: 14.97 min Scan# 1171

Delta R.T. 0.01 min

Lab File: BF087993.D

Acq: 13 Jun 2016 20:05

Instrument :

BNA_F

ClientSampleId :

S7-B1(0-12)C

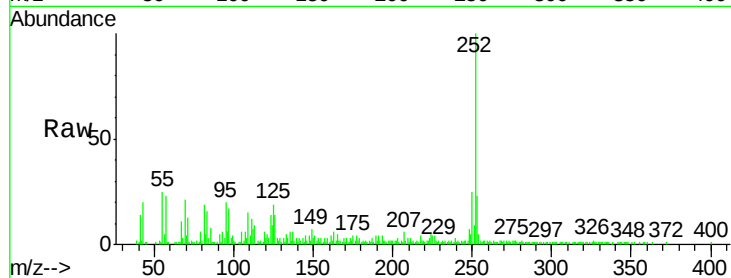
Tgt Ion:252 Resp: 124828

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.2

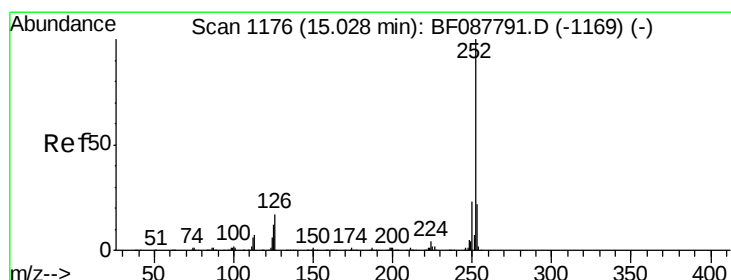
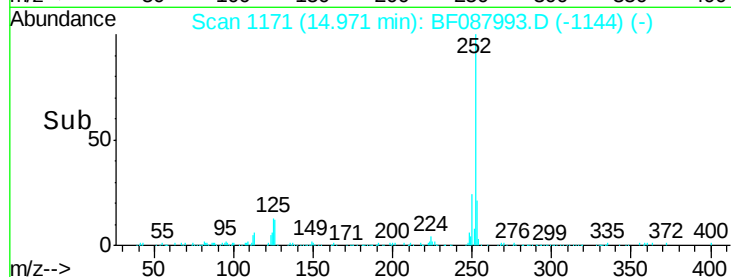
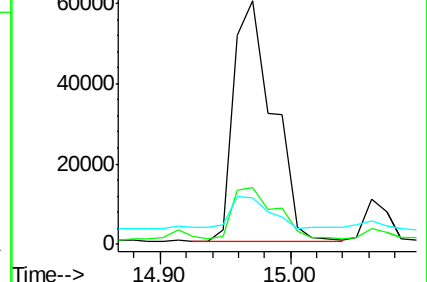
125 19.2 7.1 10.7#



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



#88

Benzo(k)fluoranthene

Concen: 12.07 ng

RT: 14.97 min Scan# 1171

Delta R.T. -0.01 min

Lab File: BF087993.D

Acq: 13 Jun 2016 20:05

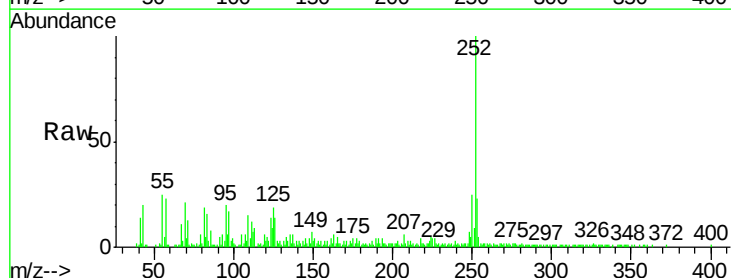
Tgt Ion:252 Resp: 124828

Ion Ratio Lower Upper

252 100

253 23.2 18.0 27.0

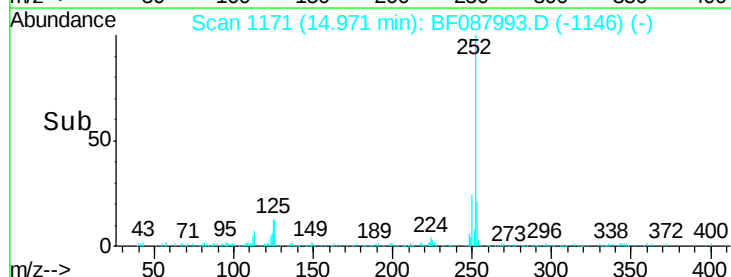
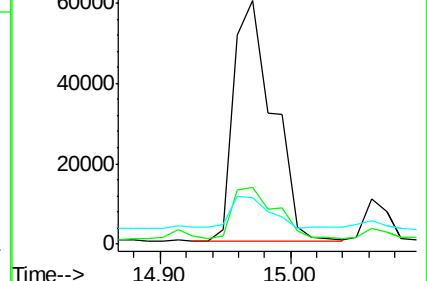
125 19.2 11.2 16.8#

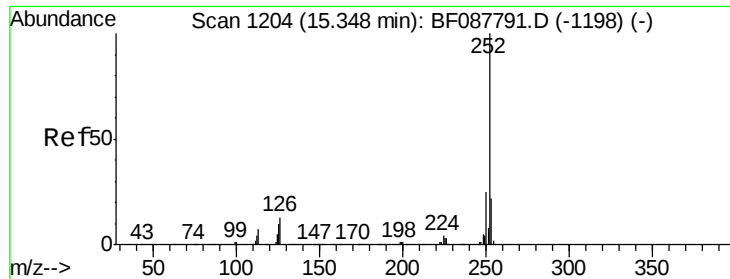


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

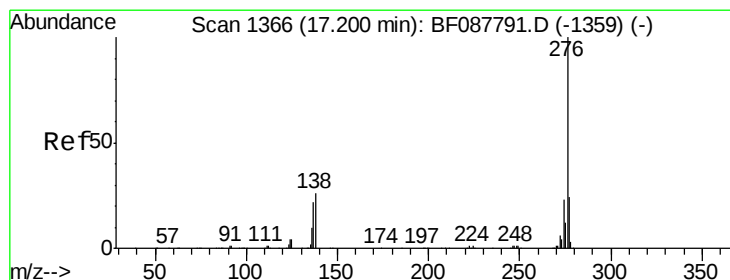
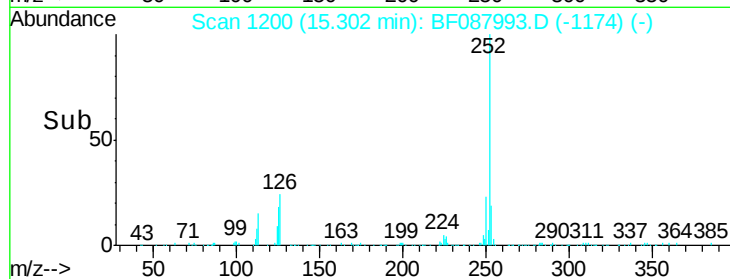
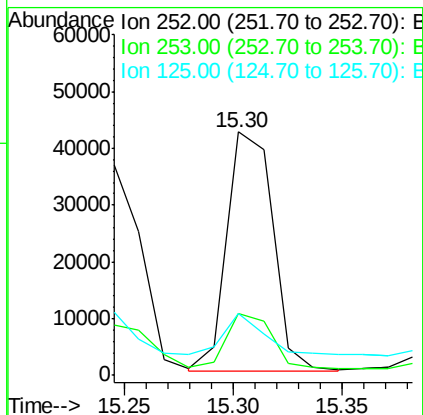
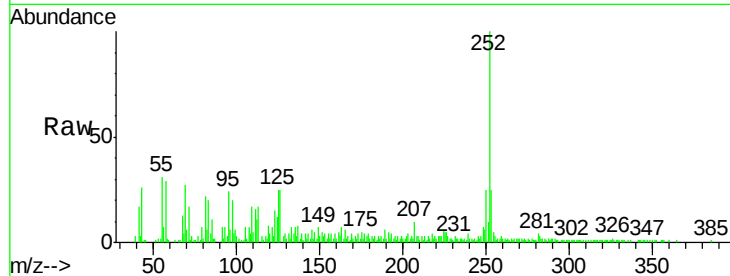




#89
Benzo(a)pyrene
Concen: 5.60 ng
RT: 15.30 min Scan# 1200
Delta R.T. -0.00 min
Lab File: BF087993.D
Acq: 13 Jun 2016 20:05

Instrument :
BNA_F
ClientSampleId :
S7-B1(0-12)C

Tgt Ion:252 Resp: 62144
Ion Ratio Lower Upper
252 100
253 25.3 17.9 26.9
125 25.4 12.5 18.7#



#91
Benzo(g,h,i)perylene
Concen: 3.45 ng
RT: 17.13 min Scan# 1360
Delta R.T. -0.00 min
Lab File: BF087993.D
Acq: 13 Jun 2016 20:05

Tgt Ion:276 Resp: 36497
Ion Ratio Lower Upper
276 100
277 26.3 18.9 28.3
138 33.6 21.4 32.2#

