

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061416\
 Data File : BF088011.D
 Acq On : 14 Jun 2016 21:27
 Operator : UM/SJ
 Sample : H3474-01 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S7-B4(0-6)C

Quant Time: Jun 15 03:57:40 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

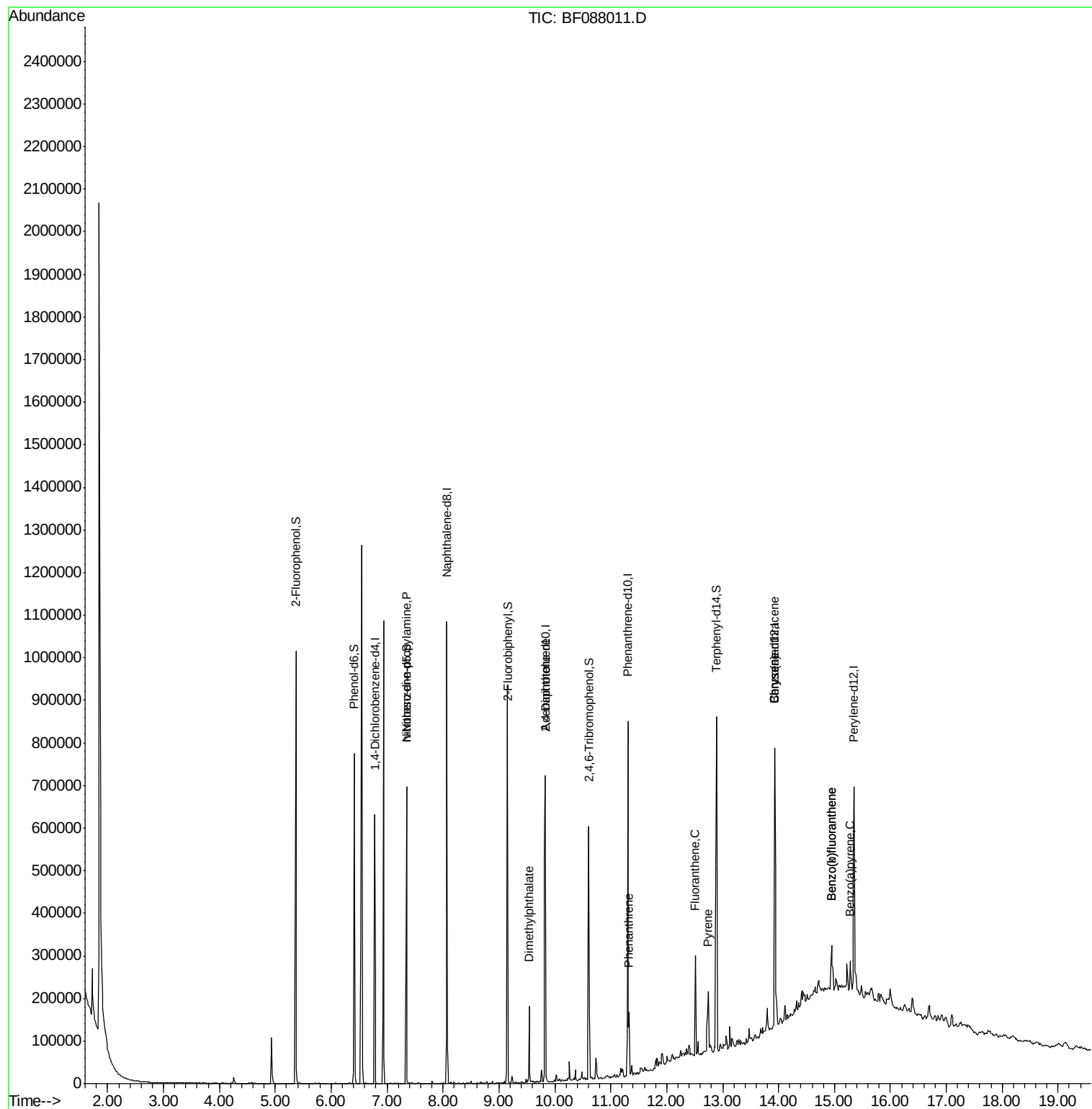
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	110210	20.00	ng	-0.01
21) Naphthalene-d8	8.07	136	446973	20.00	ng	-0.01
38) Acenaphthene-d10	9.83	164	187450	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	277361	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	235840	20.00	ng	-0.02
86) Perylene-d12	15.35	264	224017	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	336373	52.18	ng	-0.01
7) Phenol-d6	6.41	99	399737	51.16	ng	-0.02
23) Nitrobenzene-d5	7.35	82	243922	31.87	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	65222	32.95	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	439993	33.52	ng	-0.01
78) Terphenyl-d14	12.89	244	282534	27.26	ng	-0.01
Target Compounds						
10) Phenol	6.43	94	2121	Below Cal		Qvalue 90
19) n-Nitroso-di-n-propylamine	7.35	70	30278	6.06 ng	#	70
45) 1,1'-Biphenyl	9.24	154	898	Below Cal		87
49) Dimethylphthalate	9.54	163	64444	4.75 ng		99
56) 2,4-Dinitrotoluene	9.83	165	23937	5.99 ng	#	37
57) Fluorene	10.36	166	6092	Below Cal		96
70) Phenanthrene	11.32	178	49778	3.42 ng		98
74) Fluoranthene	12.51	202	83353	5.43 ng		96
77) Pyrene	12.74	202	70857	4.05 ng		98
80) Benzo(a)anthracene	13.93	228	45820	3.41 ng		96
82) Chrysene	13.93	228	45820	3.62 ng		98
87) Benzo(b)fluoranthene	14.95	252	72771	4.66 ng	#	90
88) Benzo(k)fluoranthene	14.95	252	72771	6.18 ng	#	95
89) Benzo(a)pyrene	15.28	252	36698	2.91 ng	#	90

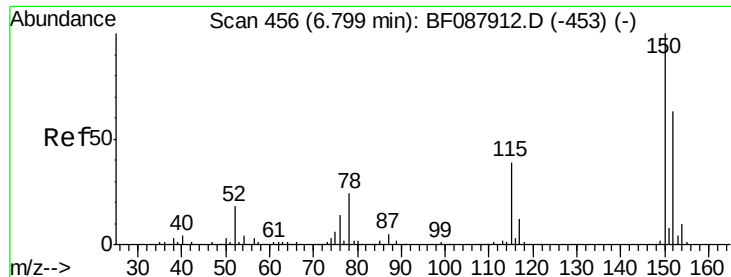
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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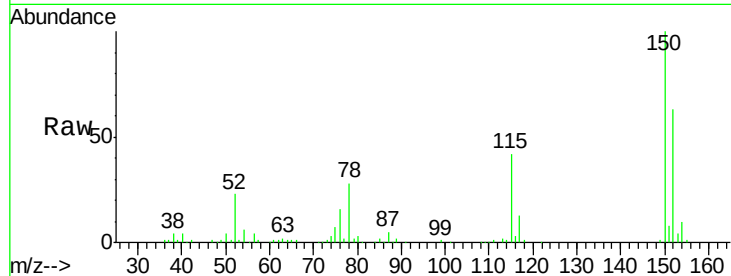


#1

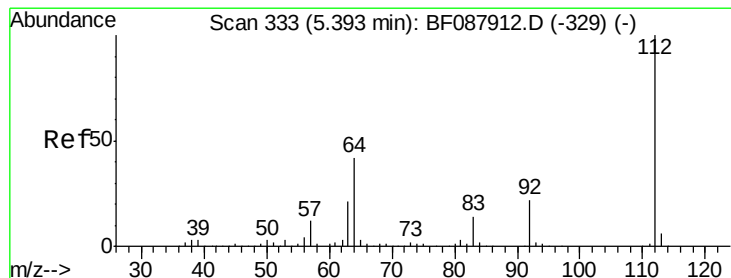
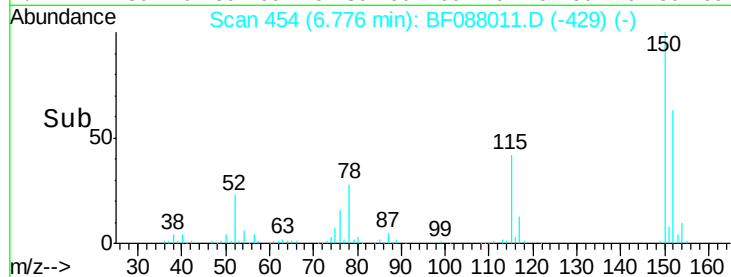
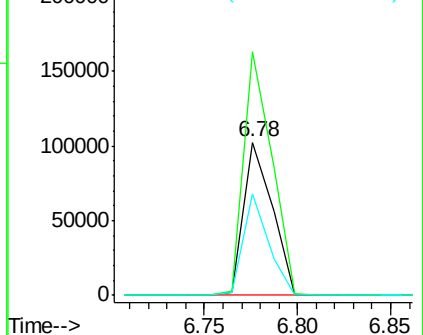
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 454
Delta R.T. -0.01 min
Lab File: BF088011.D
Acq: 14 Jun 2016 21:27

Instrument :
BNA_F
ClientSampleId :
S7-B4(0-6)C

Tgt Ion:152 Resp: 110210
Ion Ratio Lower Upper
152 100
150 158.9 123.8 185.6
115 66.1 39.6 59.4#



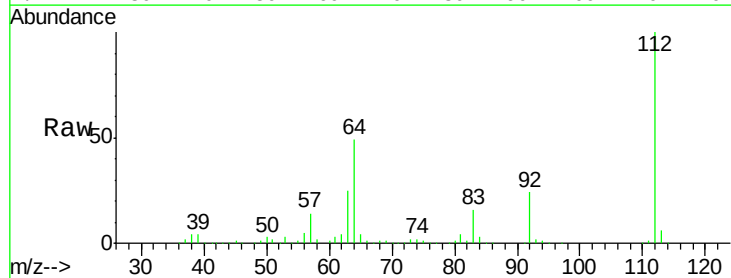
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



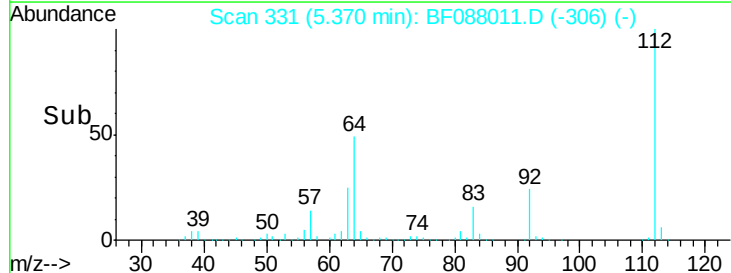
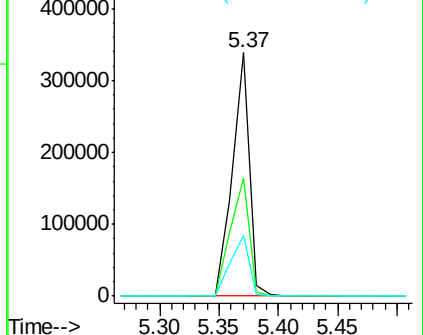
#5

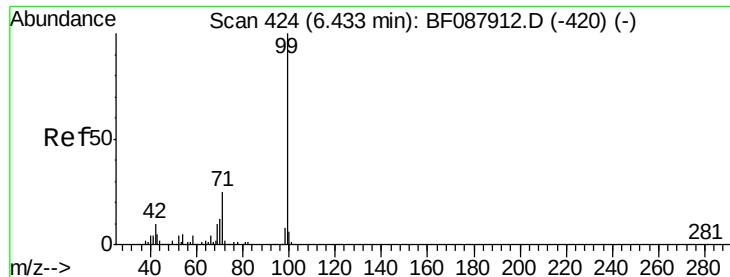
2-Fluorophenol
Concen: 52.18 ng
RT: 5.37 min Scan# 331
Delta R.T. -0.01 min
Lab File: BF088011.D
Acq: 14 Jun 2016 21:27

Tgt Ion:112 Resp: 336373
Ion Ratio Lower Upper
112 100
64 48.6 42.2 63.2
63 24.8 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: 51.16 ng

RT: 6.41 min Scan# 422

Delta R.T. -0.02 min

Lab File: BF088011.D

Acq: 14 Jun 2016 21:27

Instrument :

BNA_F

ClientSampleId :

S7-B4(0-6)C

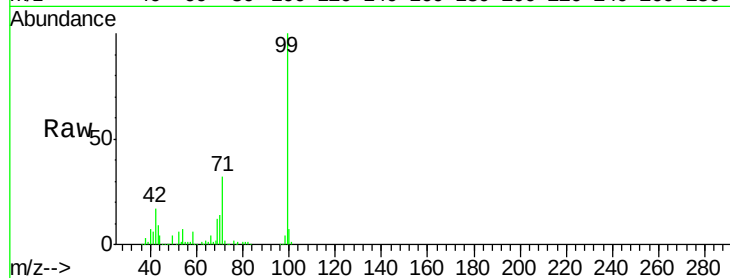
Tgt Ion: 99 Resp: 399737

Ion Ratio Lower Upper

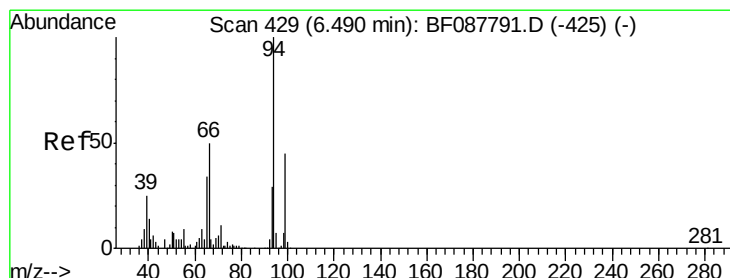
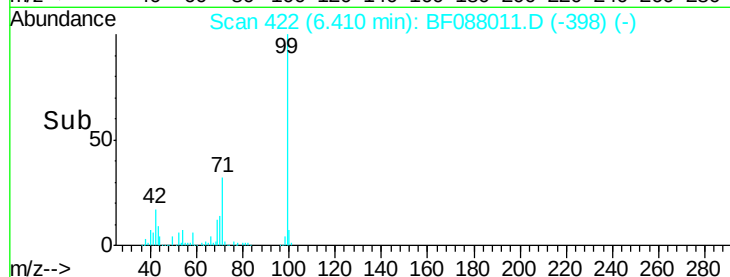
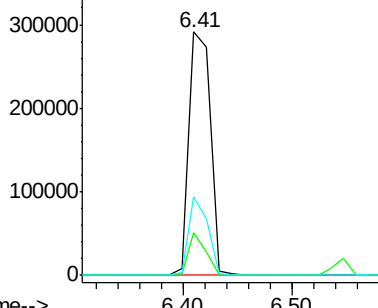
99 100

42 17.4 12.2 18.2

71 32.1 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: 6.43 min Scan# 424

Delta R.T. -0.01 min

Lab File: BF088011.D

Acq: 14 Jun 2016 21:27

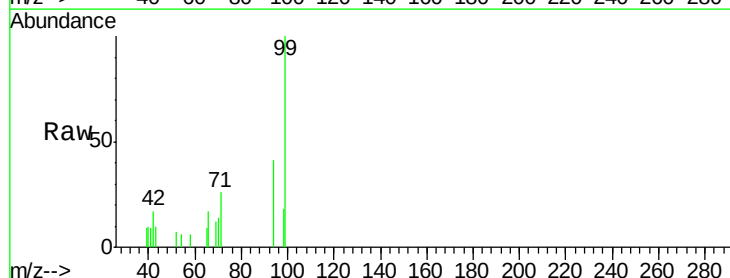
Tgt Ion: 94 Resp: 2121

Ion Ratio Lower Upper

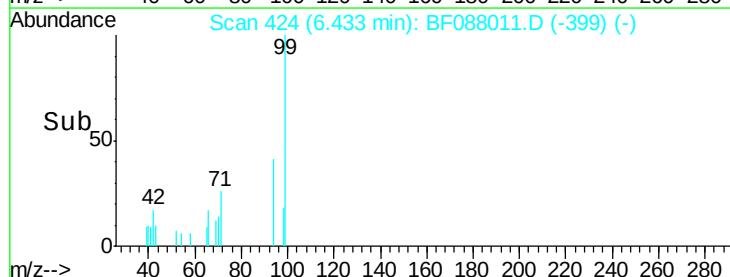
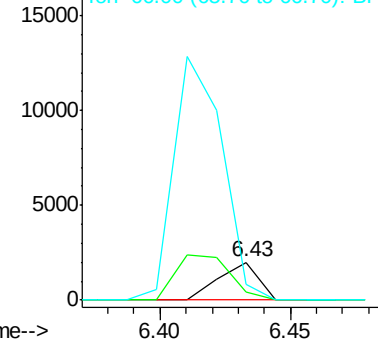
94 100

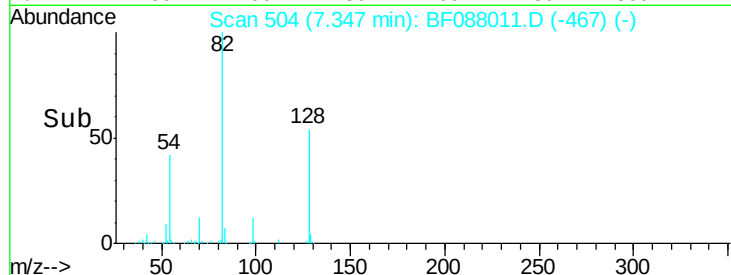
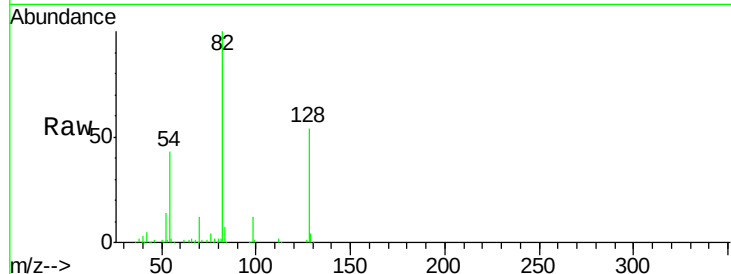
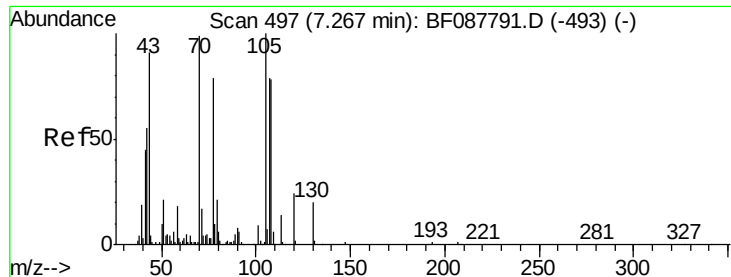
65 22.6 5.9 45.9

66 41.0 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

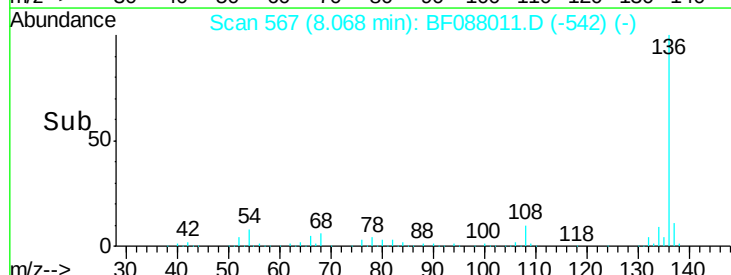
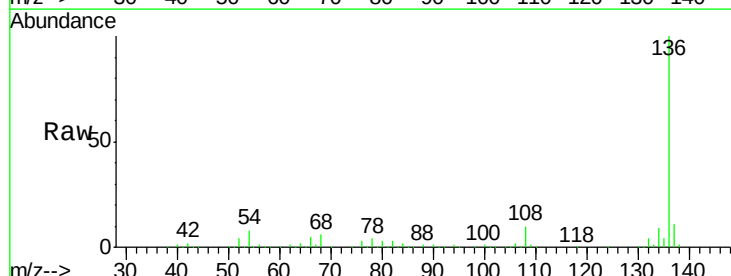
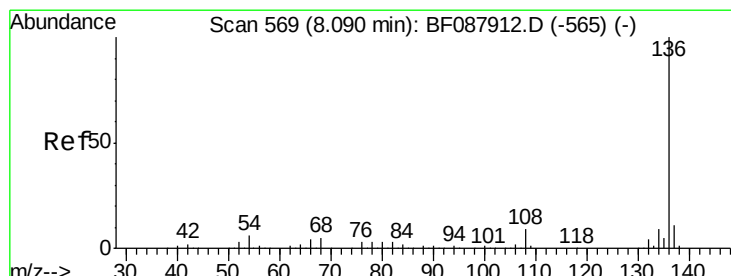
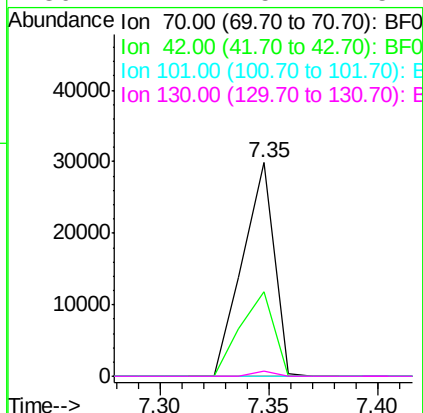




#19
n-Nitroso-di-n-propylamine
Concen: 6.06 ng
RT: 7.35 min Scan# 504
Delta R.T. 0.13 min
Lab File: BF088011.D
Acq: 14 Jun 2016 21:27

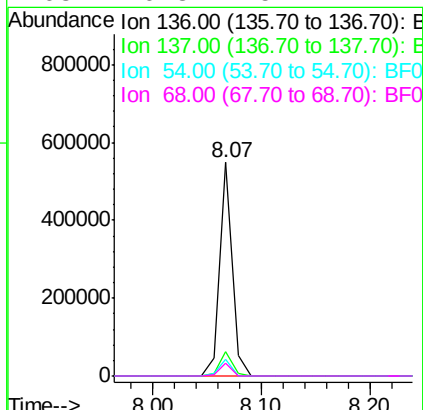
Instrument :
BNA_F
ClientSampleId :
S7-B4(0-6)C

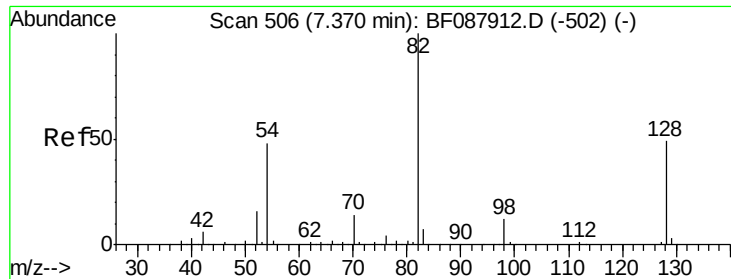
Tgt Ion:	70	Resp:	30278
Ion	Ratio	Lower	Upper
70	100		
42	39.5	49.6	74.4#
101	0.0	7.1	10.7#
130	2.7	15.4	23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 567
Delta R.T. -0.01 min
Lab File: BF088011.D
Acq: 14 Jun 2016 21:27

Tgt Ion:	136	Resp:	446973
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	7.6	6.6	10.0
68	6.3	5.1	7.7

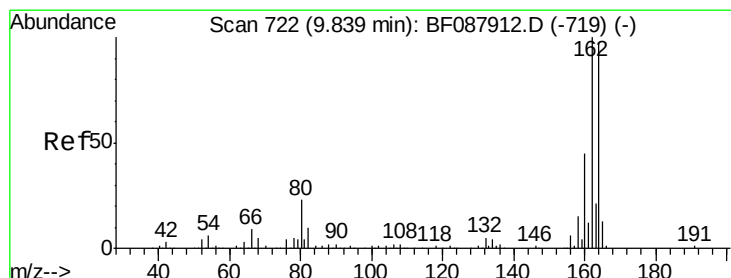
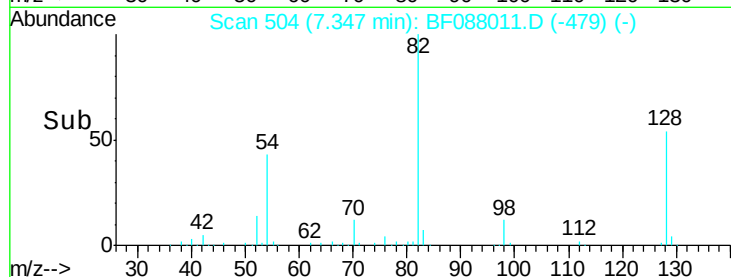
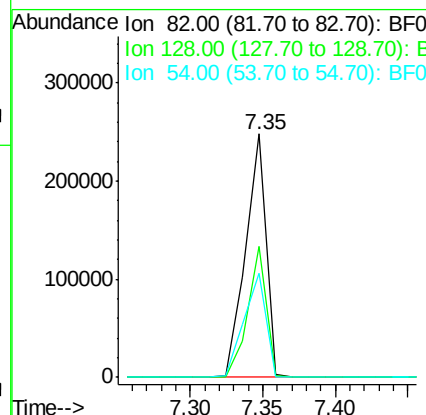
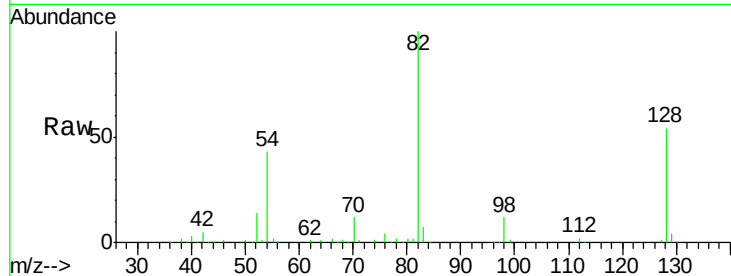




#23
 Nitrobenzene-d5
 Concen: 31.87 ng
 RT: 7.35 min Scan# 504
 Delta R.T. -0.01 min
 Lab File: BF088011.D
 Acq: 14 Jun 2016 21:27

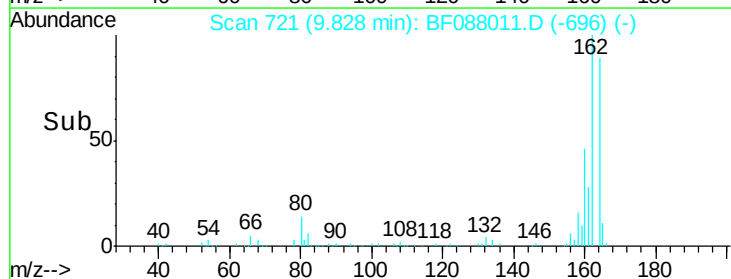
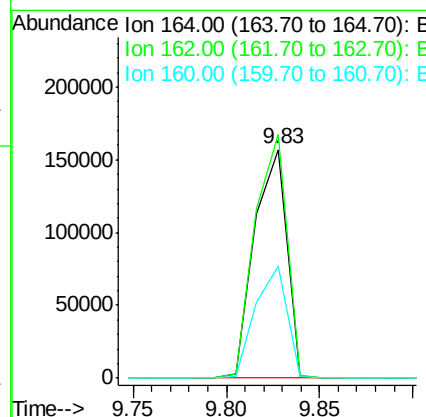
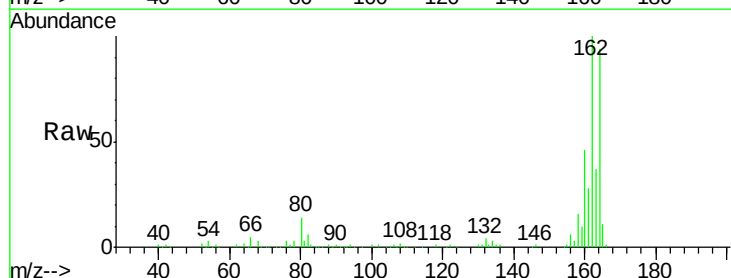
Instrument :
 BNA_F
 ClientSampleId :
 S7-B4(0-6)C

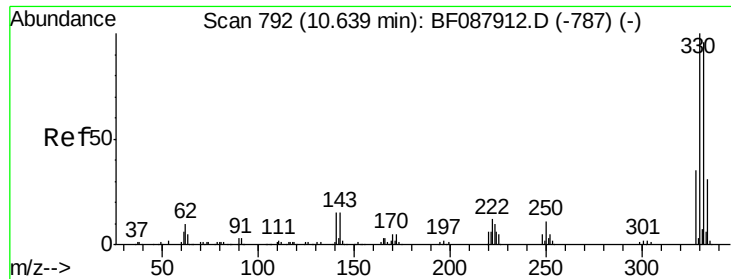
Tgt Ion: 82 Resp: 243922
 Ion Ratio Lower Upper
 82 100
 128 53.8 35.9 53.9
 54 42.9 40.9 61.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.83 min Scan# 721
 Delta R.T. -0.01 min
 Lab File: BF088011.D
 Acq: 14 Jun 2016 21:27

Tgt Ion: 164 Resp: 187450
 Ion Ratio Lower Upper
 164 100
 162 106.6 85.4 128.2
 160 49.1 39.5 59.3

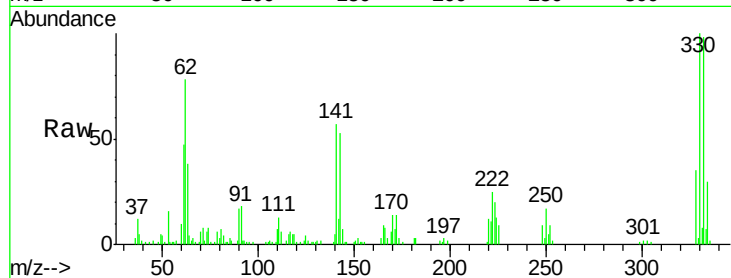




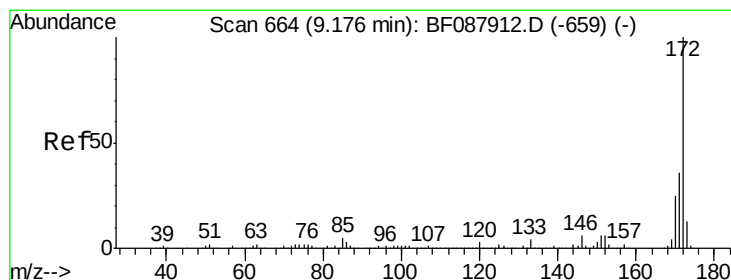
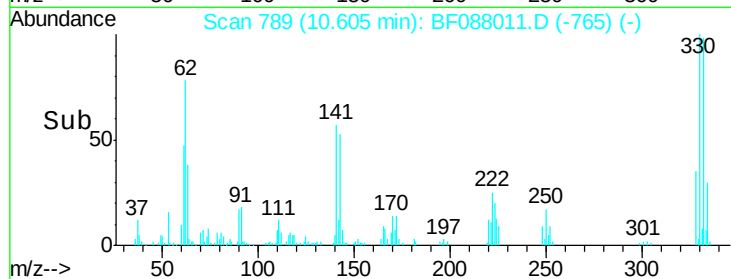
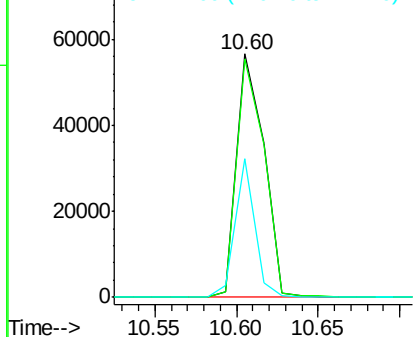
#41
 2,4,6-Tribromophenol
 Concen: 32.95 ng
 RT: 10.60 min Scan# 789
 Delta R.T. -0.02 min
 Lab File: BF088011.D
 Acq: 14 Jun 2016 21:27

Instrument :
 BNA_F
 ClientSampleId :
 S7-B4(0-6)C

Tgt Ion:330 Resp: 65222
 Ion Ratio Lower Upper
 330 100
 332 98.5 0.0 0.0#
 141 40.7 0.0 0.0#

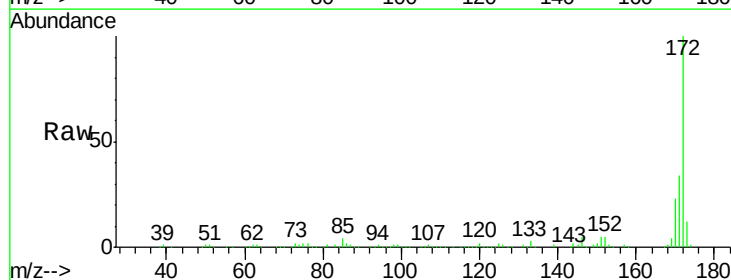


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

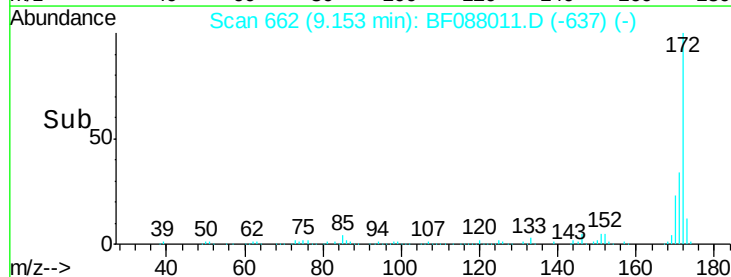
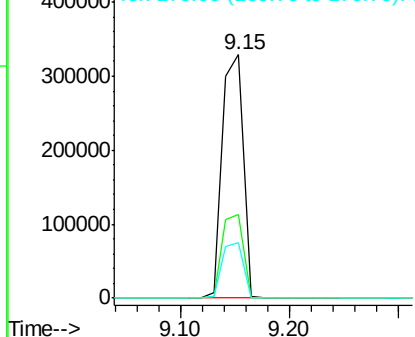


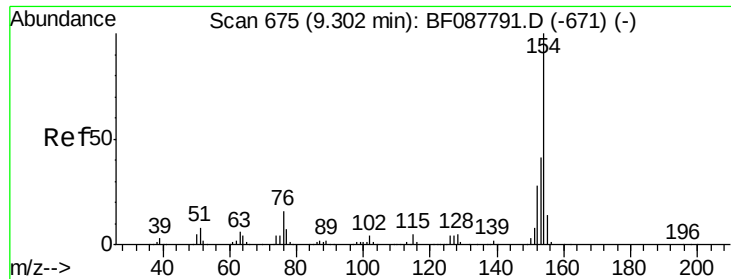
#44
 2-Fluorobiphenyl
 Concen: 33.52 ng
 RT: 9.15 min Scan# 662
 Delta R.T. -0.01 min
 Lab File: BF088011.D
 Acq: 14 Jun 2016 21:27

Tgt Ion:172 Resp: 439993
 Ion Ratio Lower Upper
 172 100
 171 34.2 28.6 43.0
 170 22.6 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: 9.24 min Scan# 670

Delta R.T. -0.02 min

Lab File: BF088011.D

Acq: 14 Jun 2016 21:27

Instrument :

BNA_F

ClientSampleId :

S7-B4(0-6)C

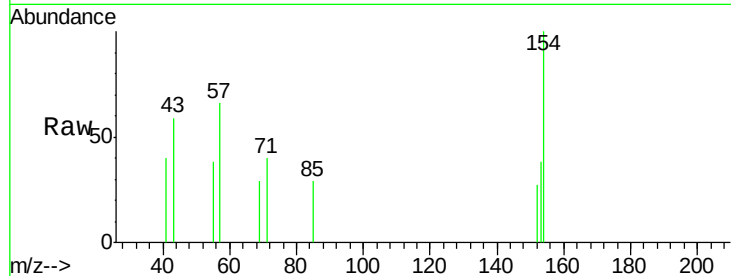
Tgt Ion:154 Resp: 898

Ion Ratio Lower Upper

154 100

153 38.1 20.6 60.6

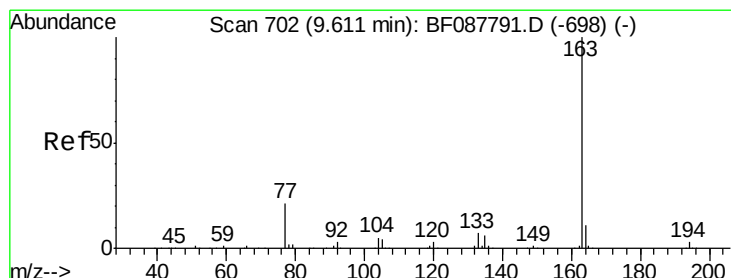
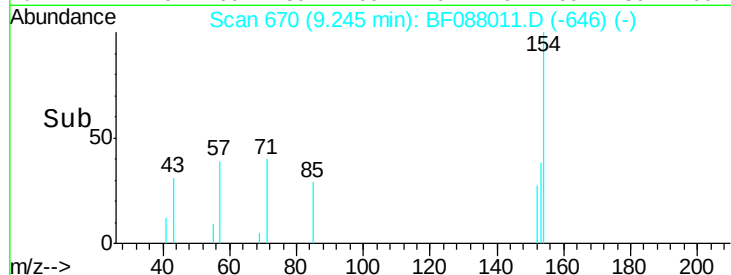
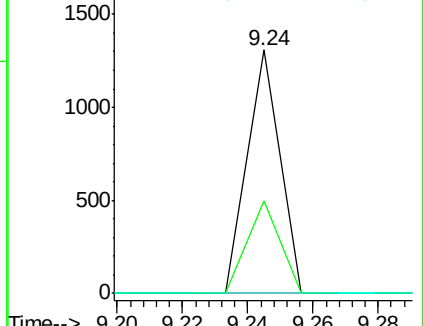
76 0.0 0.0 35.1



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): BFO



#49

Dimethylphthalate

Concen: 4.75 ng

RT: 9.54 min Scan# 696

Delta R.T. -0.02 min

Lab File: BF088011.D

Acq: 14 Jun 2016 21:27

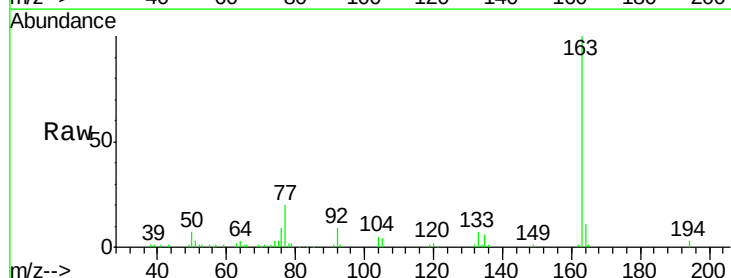
Tgt Ion:163 Resp: 64444

Ion Ratio Lower Upper

163 100

194 3.1 2.8 4.2

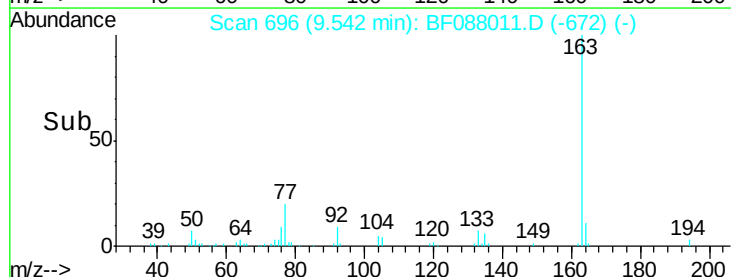
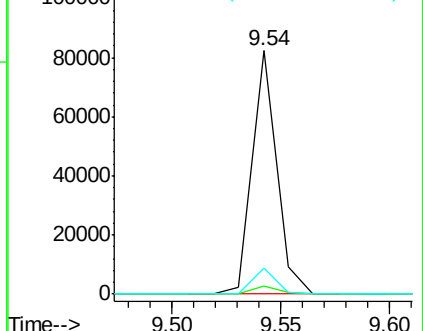
164 10.5 8.3 12.5

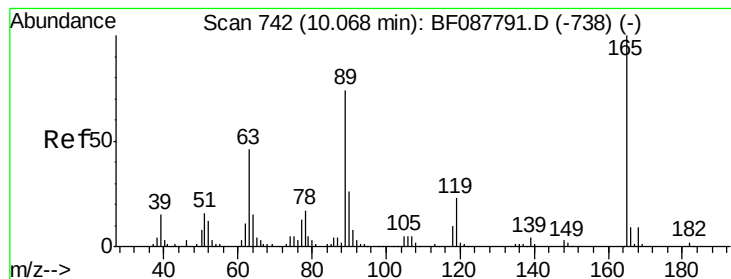


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

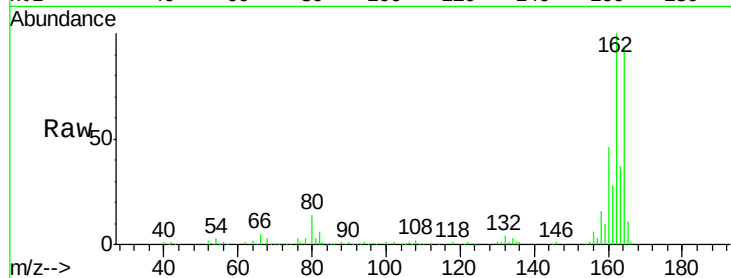




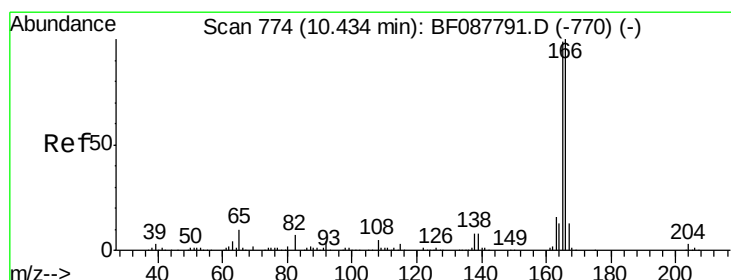
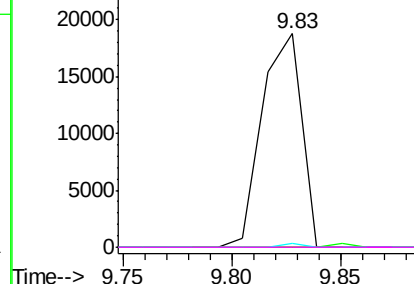
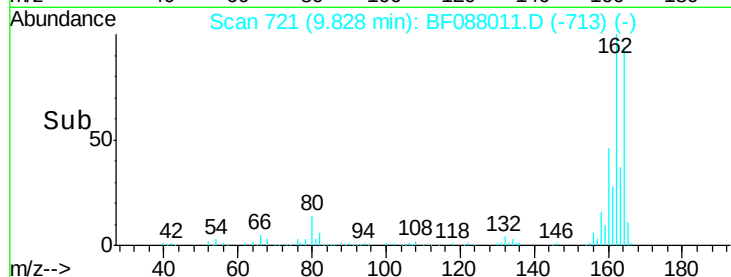
#56
2,4-Dinitrotoluene
Concen: 5.99 ng
RT: 9.83 min Scan# 721
Delta R.T. -0.21 min
Lab File: BF088011.D
Acq: 14 Jun 2016 21:27

Instrument :
BNA_F
ClientSampleId :
S7-B4(0-6)C

Tgt 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#

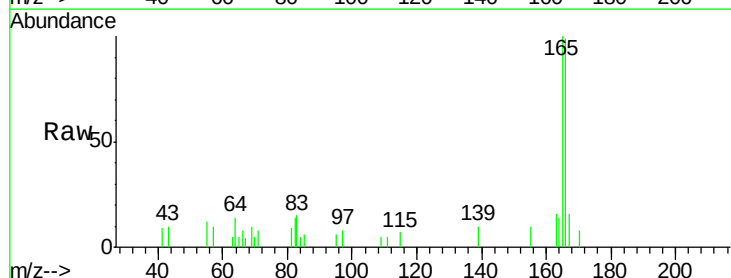


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

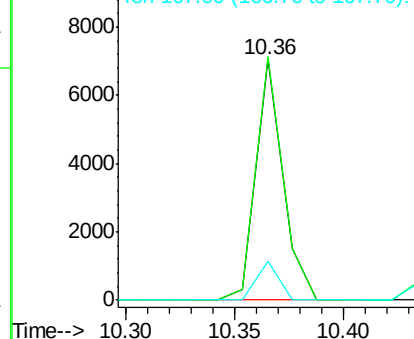
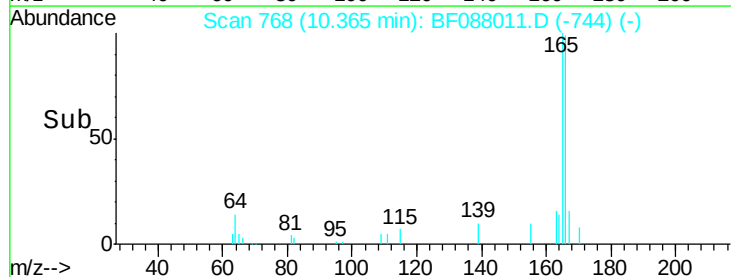


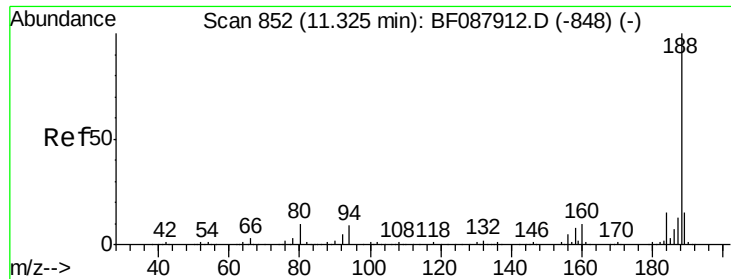
#57
Fluorene
Concen: Below Cal
RT: 10.36 min Scan# 768
Delta R.T. -0.02 min
Lab File: BF088011.D
Acq: 14 Jun 2016 21:27

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.1	77.8	116.8
167	15.9	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

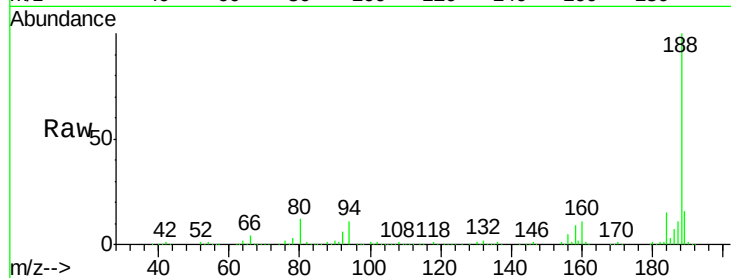




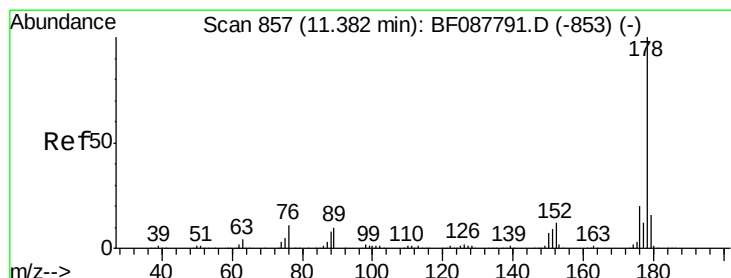
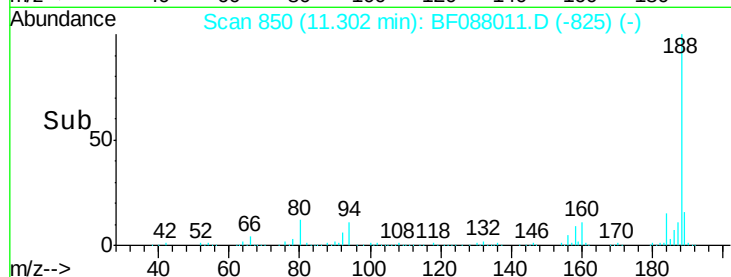
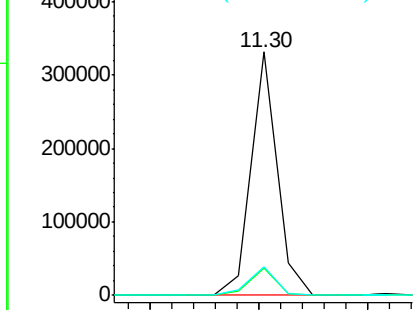
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 850
Delta R.T. -0.01 min
Lab File: BF088011.D
Acq: 14 Jun 2016 21:27

Instrument :
BNA_F
ClientSampleId :
S7-B4(0-6)C

Tgt Ion:188 Resp: 277361
Ion Ratio Lower Upper
188 100
94 11.1 9.0 13.6
80 11.6 10.0 15.0

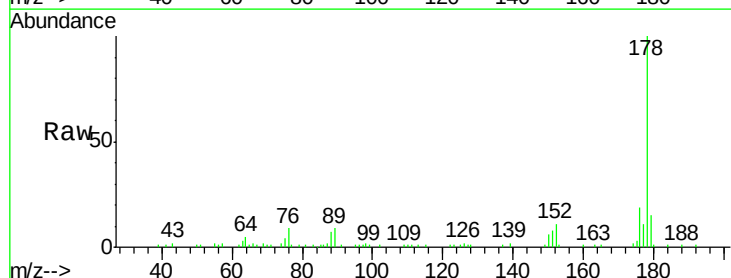


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

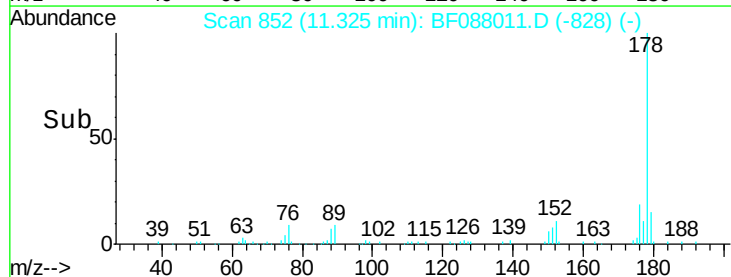
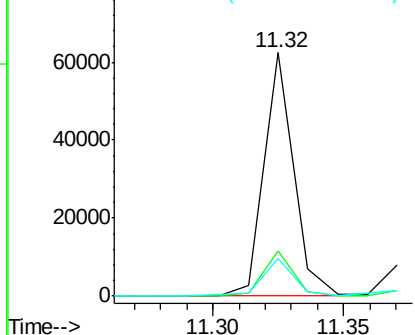


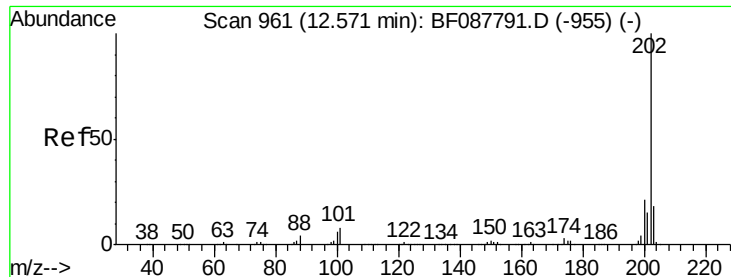
#70
Phenanthrene
Concen: 3.42 ng
RT: 11.32 min Scan# 852
Delta R.T. -0.02 min
Lab File: BF088011.D
Acq: 14 Jun 2016 21:27

Tgt Ion:178 Resp: 49778
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.6
179 15.3 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: 5.43 ng

RT: 12.51 min Scan# 956

Delta R.T. -0.01 min

Lab File: BF088011.D

Acq: 14 Jun 2016 21:27

Instrument :

BNA_F

ClientSampleId :

S7-B4(0-6)C

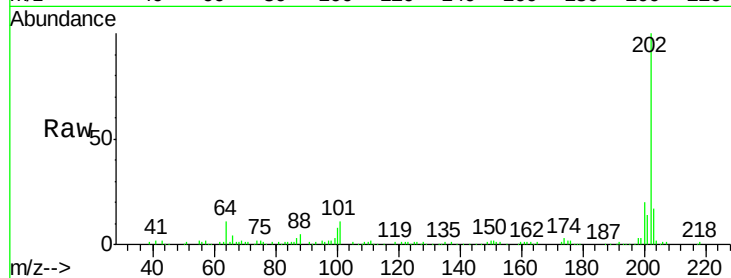
Tgt Ion:202 Resp: 83353

Ion Ratio Lower Upper

202 100

101 11.1 0.0 33.1

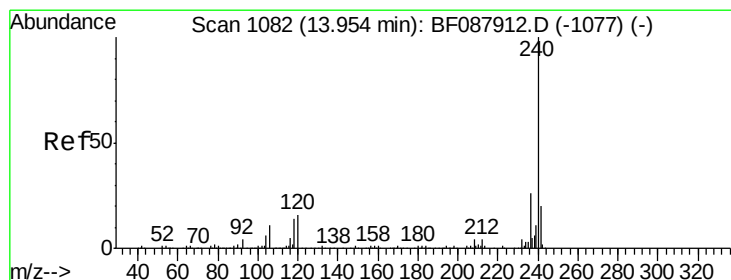
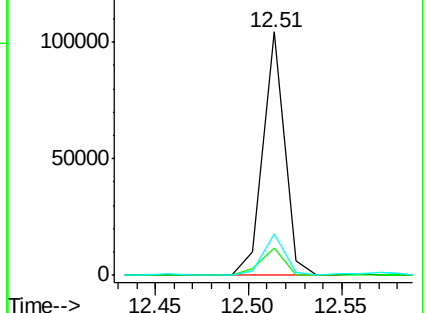
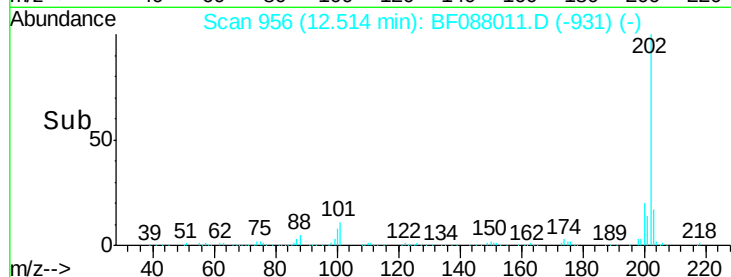
203 16.8 0.0 38.1



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: 13.93 min Scan# 1080

Delta R.T. -0.02 min

Lab File: BF088011.D

Acq: 14 Jun 2016 21:27

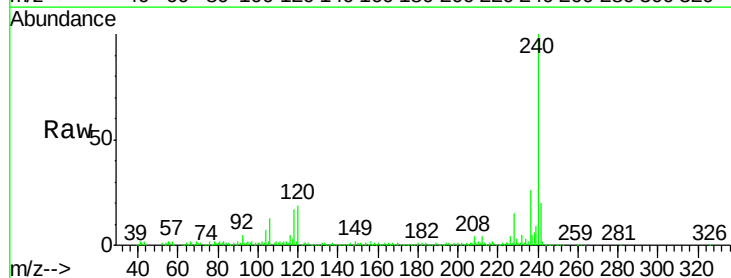
Tgt Ion:240 Resp: 235840

Ion Ratio Lower Upper

240 100

120 19.1 6.8 10.2#

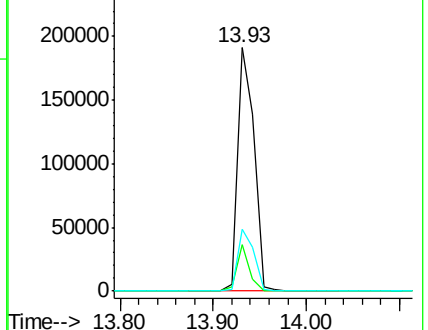
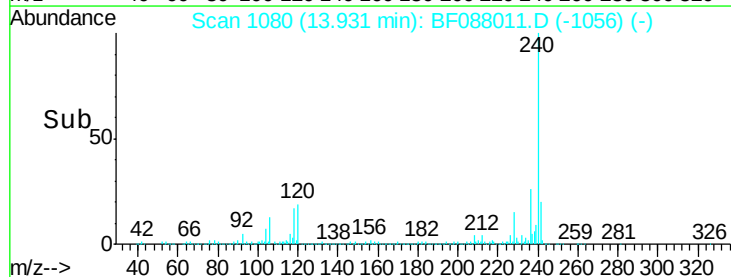
236 25.5 20.2 30.2

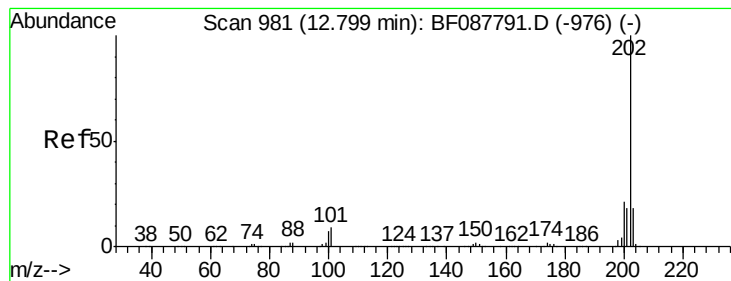


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 4.05 ng

RT: 12.74 min Scan# 976

Delta R.T. -0.01 min

Lab File: BF088011.D

Acq: 14 Jun 2016 21:27

Instrument :

BNA_F

ClientSampleId :

S7-B4(0-6)C

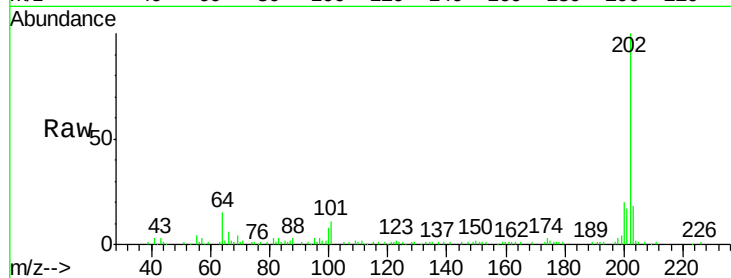
Tgt Ion:202 Resp: 70857

Ion Ratio Lower Upper

202 100

200 20.1 17.4 26.2

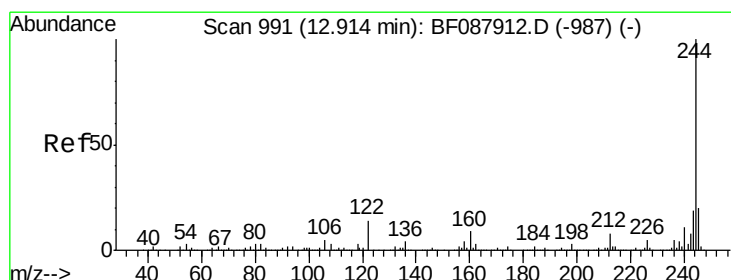
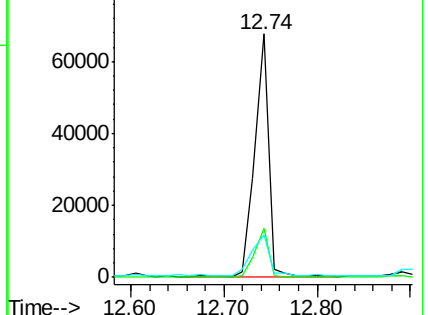
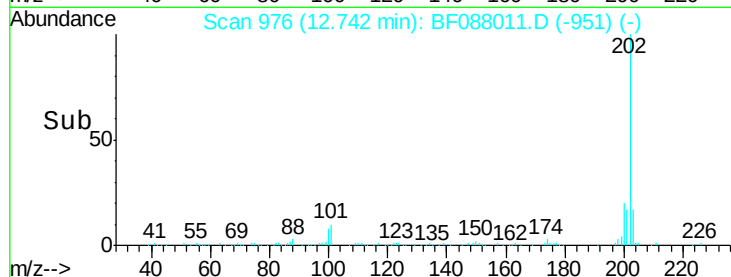
203 17.6 14.5 21.7



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: 27.26 ng

RT: 12.89 min Scan# 989

Delta R.T. -0.01 min

Lab File: BF088011.D

Acq: 14 Jun 2016 21:27

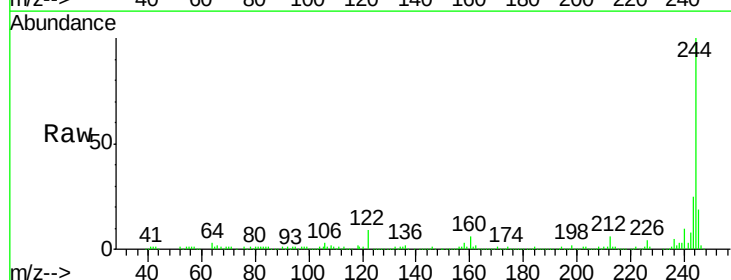
Tgt Ion:244 Resp: 282534

Ion Ratio Lower Upper

244 100

212 6.2 6.0 9.0

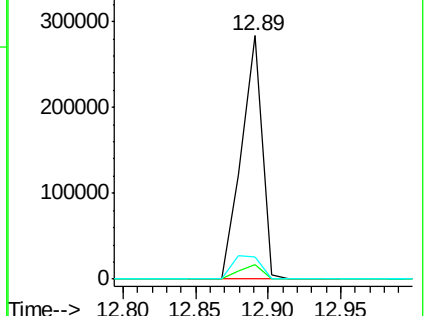
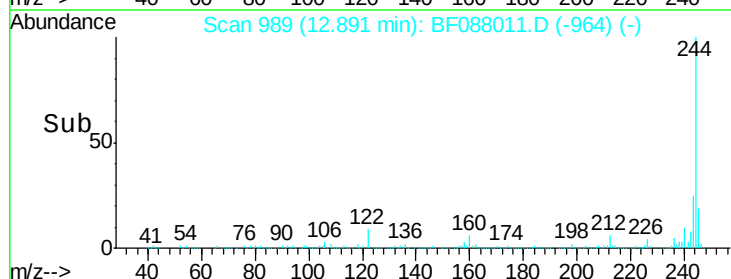
122 9.0 11.2 16.8#

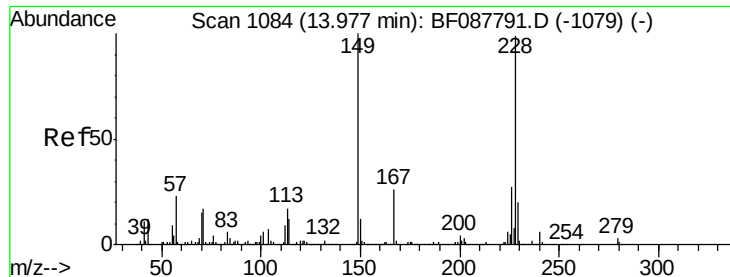


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.41 ng

RT: 13.93 min Scan# 1080

Delta R.T. -0.01 min

Lab File: BF088011.D

Acq: 14 Jun 2016 21:27

Instrument :

BNA_F

ClientSampleId :

S7-B4(0-6)C

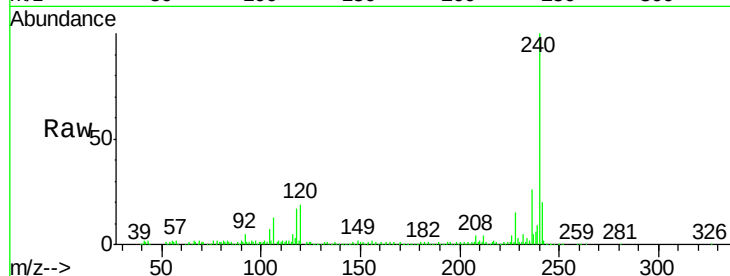
Tgt Ion:228 Resp: 45820

Ion Ratio Lower Upper

228 100

226 30.7 22.3 33.5

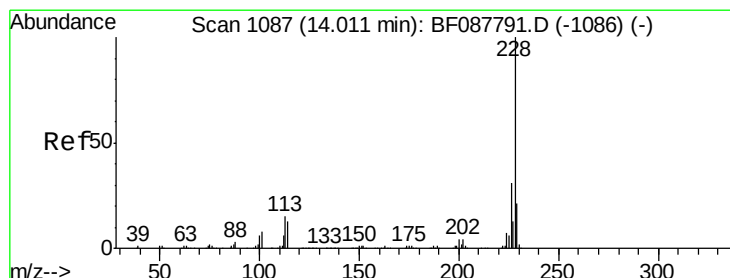
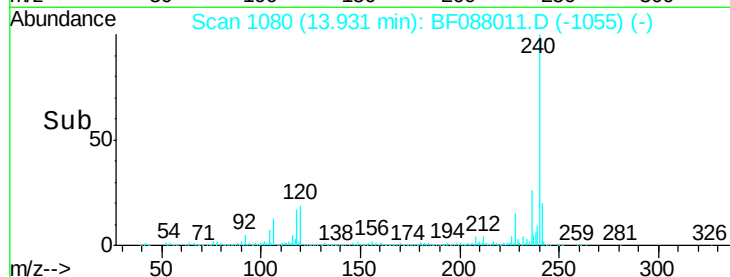
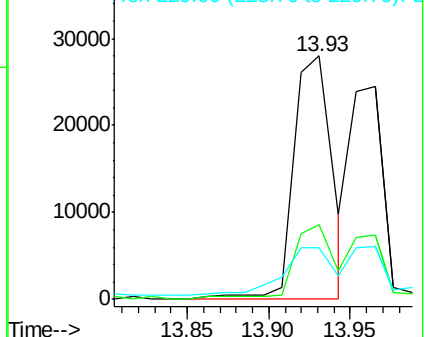
229 21.2 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 3.62 ng

RT: 13.93 min Scan# 1080

Delta R.T. -0.05 min

Lab File: BF088011.D

Acq: 14 Jun 2016 21:27

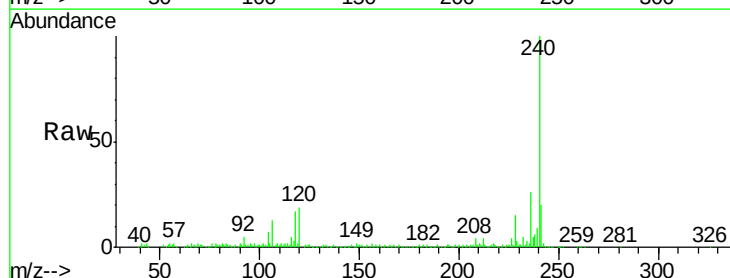
Tgt Ion:228 Resp: 45820

Ion Ratio Lower Upper

228 100

226 30.7 25.4 38.2

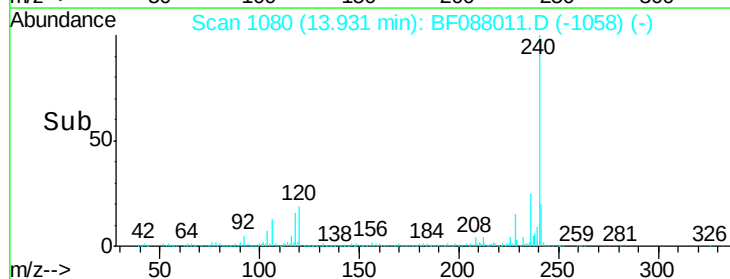
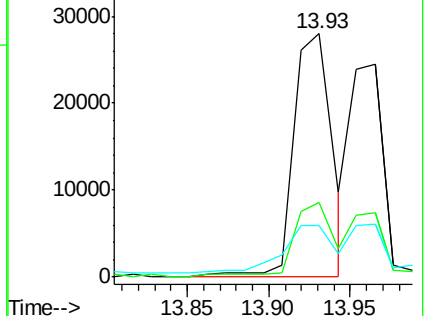
229 21.2 16.3 24.5

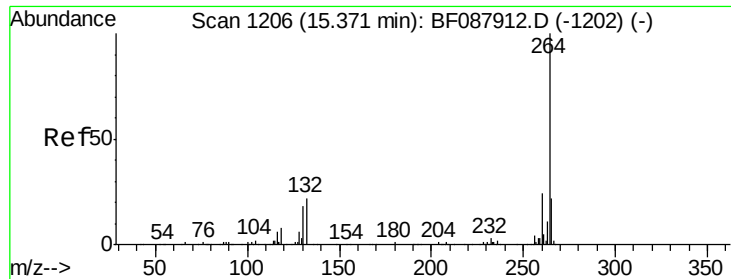


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

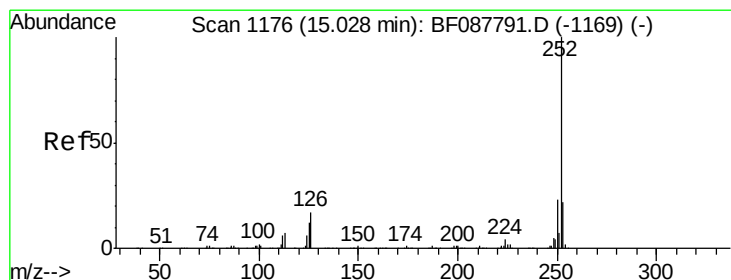
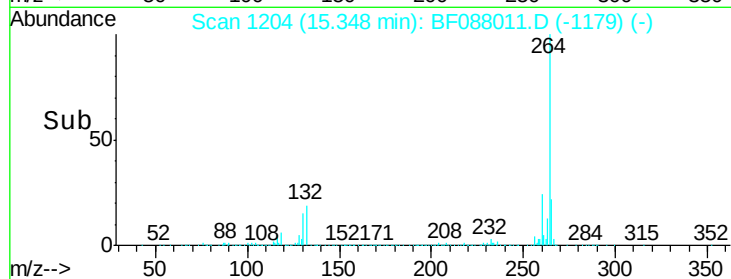
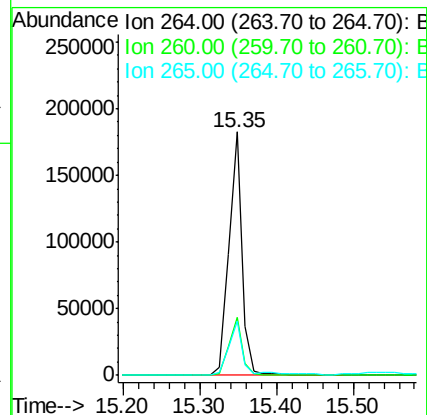
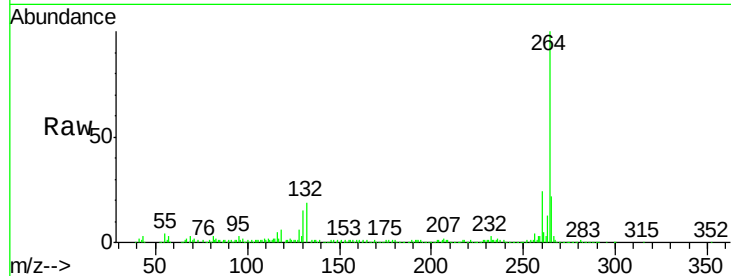




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF088011.D
Acq: 14 Jun 2016 21:27

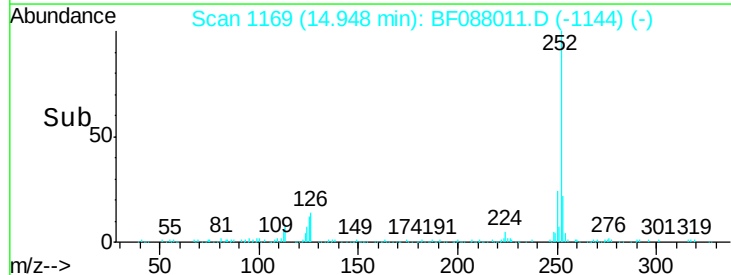
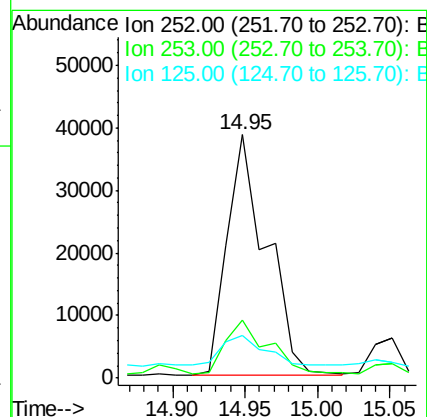
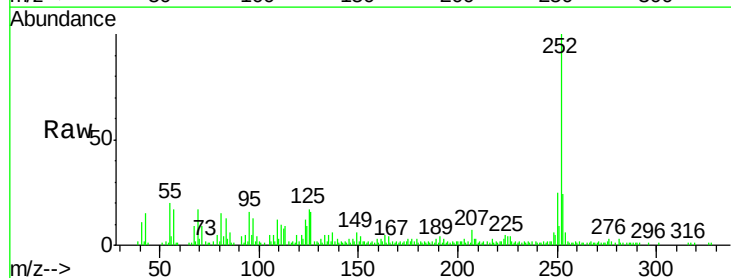
Instrument :
BNA_F
ClientSampleId :
S7-B4(0-6)C

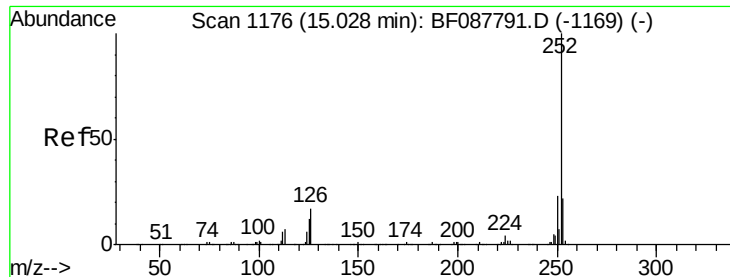
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	22.1	16.9	25.3



#87
Benzo(b)fluoranthene
Concen: 4.66 ng
RT: 14.95 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BF088011.D
Acq: 14 Jun 2016 21:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.4	26.2
125	17.4	7.1	10.7#

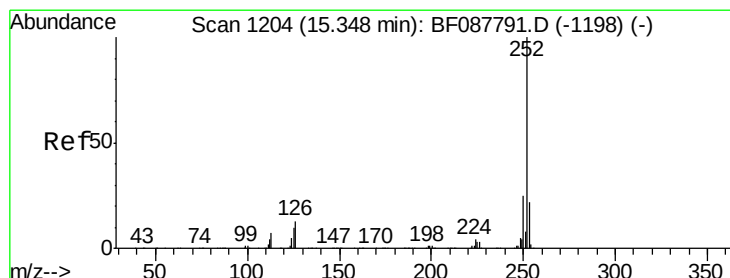
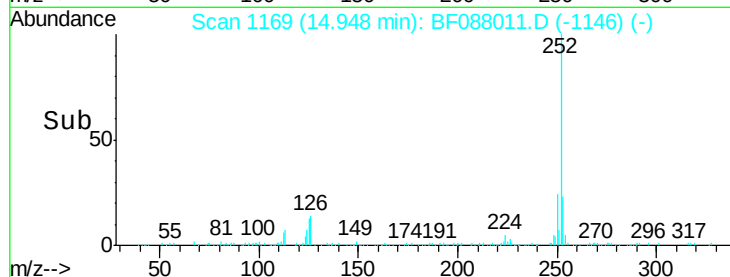
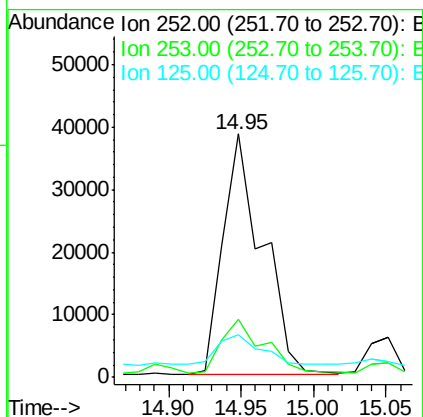
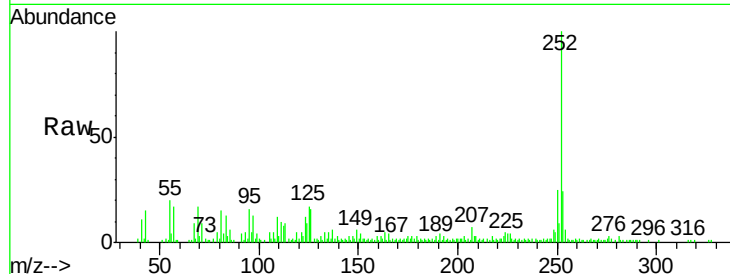




#88
Benzo(k)fluoranthene
Concen: 6.18 ng
RT: 14.95 min Scan# 1169
Delta R.T. -0.03 min
Lab File: BF088011.D
Acq: 14 Jun 2016 21:27

Instrument :
BNA_F
ClientSampleId :
S7-B4(0-6)C

Tgt Ion:252 Resp: 72771
Ion Ratio Lower Upper
252 100
253 24.1 18.0 27.0
125 17.4 11.2 16.8#



#89
Benzo(a)pyrene
Concen: 2.91 ng
RT: 15.28 min Scan# 1198
Delta R.T. -0.02 min
Lab File: BF088011.D
Acq: 14 Jun 2016 21:27

Tgt Ion:252 Resp: 36698
Ion Ratio Lower Upper
252 100
253 25.4 17.9 26.9
125 22.2 12.5 18.7#

