

Data File : BF093170.D
Acq On : 25 Feb 2017 3:15
Operator : SJ/MA
Sample : I1954-09RE
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CLP-B-01(0-5)RE

Quant Time: Feb 25 03:42:34 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	152895	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	572413	20.00	ng	-0.02
38) Acenaphthene-d10	9.87	164	211388	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	331472	20.00	ng	-0.02
75) Chrysene-d12	14.01	240	336219	20.00	ng	-0.01
86) Perylene-d12	15.45	264	251263	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1035504	116.19	ng	-0.02
7) Phenol-d6	6.48	99	1216324	106.07	ng	-0.01
23) Nitrobenzene-d5	7.40	82	756685	73.61	ng	-0.02
41) 2,4,6-Tribromophenol	10.67	330	190916	124.87	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	1151755	98.71	ng	-0.02
78) Terphenyl-d14	12.95	244	795327	55.58	ng	-0.02

Target Compounds						Qvalue
10) Phenol	6.49	94	60708	4.53	ng	89
19) n-Nitroso-di-n-propylamine	7.40	70	98663	13.52	ng	# 83
25) Isophorone	7.40	82	677942	35.39	ng	# 65
49) Dimethylphthalate	9.60	163	114243	8.02	ng	99
56) 2,4-Dinitrotoluene	9.87	165	27804	6.79	ng	# 21
64) 4,6-Dinitro-2-methylphenol	10.66	198	469	2.89	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	14188	4.10	ng	# 1
74) Fluoranthene	12.58	202	69751	3.56	ng	94
77) Pyrene	12.81	202	88649	3.52	ng	98
80) Benzo(a)anthracene	14.00	228	57984	2.82	ng	95
82) Chrysene	14.00	228	57984	3.01	ng	98
87) Benzo(b)fluoranthene	15.04	252	81672	4.94	ng	# 43
88) Benzo(k)fluoranthene	15.04	252	82053	5.75	ng	# 41
89) Benzo(a)pyrene	15.38	252	41287	2.89	ng	# 75

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

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CLP-B-01(0-5)RE

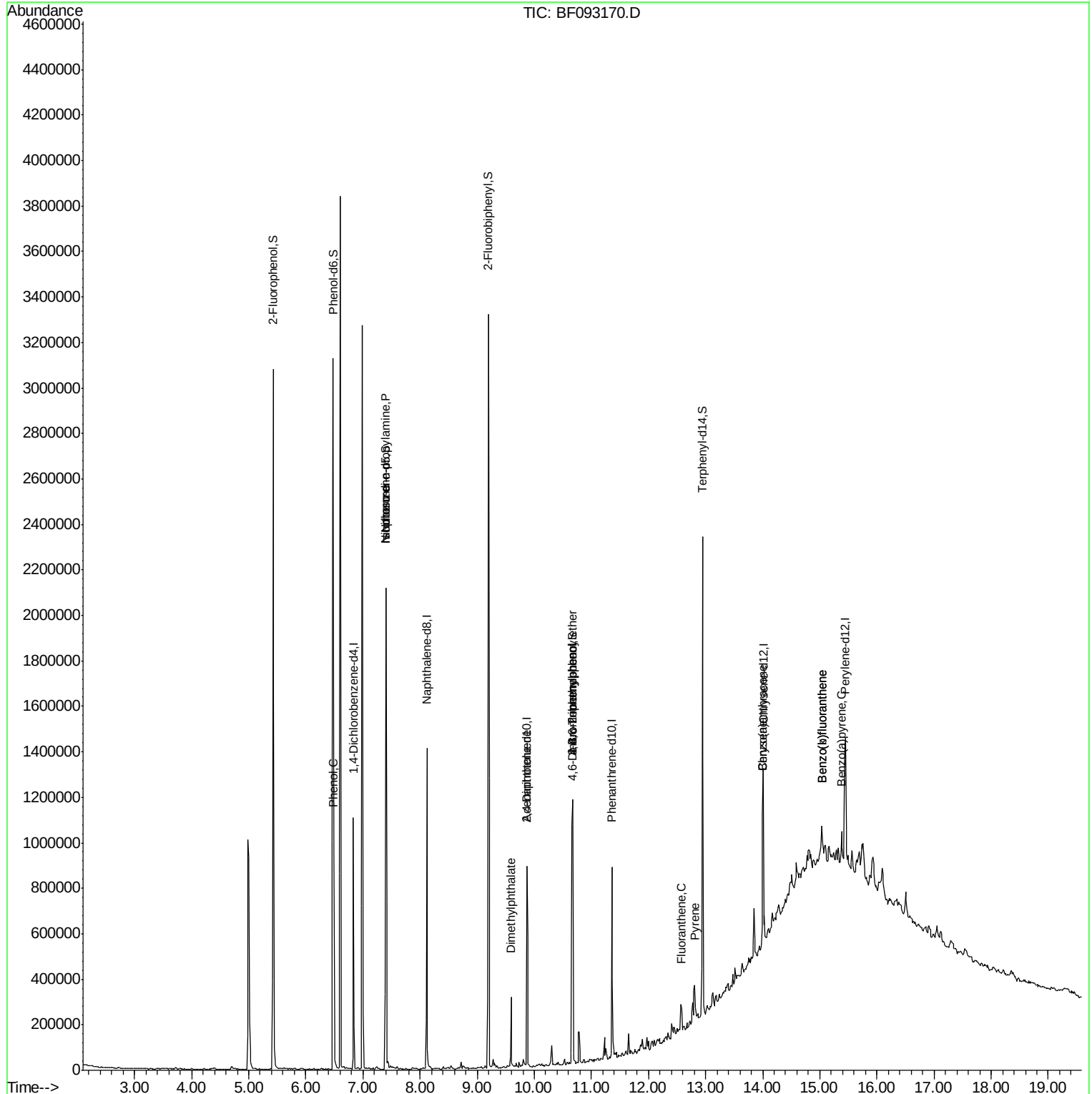
Quant Time: Feb 25 03:42:34 2017

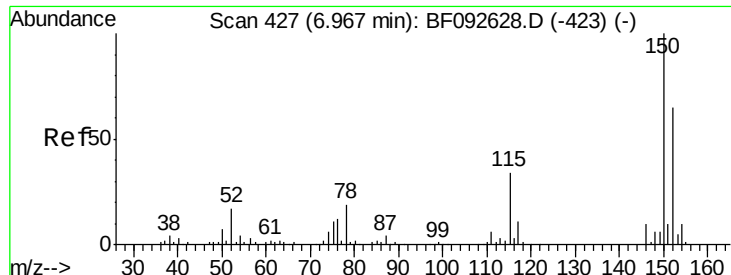
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Feb 17 17:31:55 2017

Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.02 min

Lab File: BF093170.D

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Instrument :

BNA_F

ClientSampleId :

CLP-B-01(0-5)RE

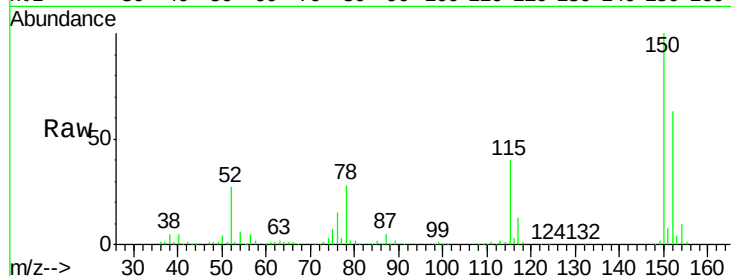
Tgt Ion:152 Resp: 152895

Ion Ratio Lower Upper

152 100

150 158.5 124.9 187.3

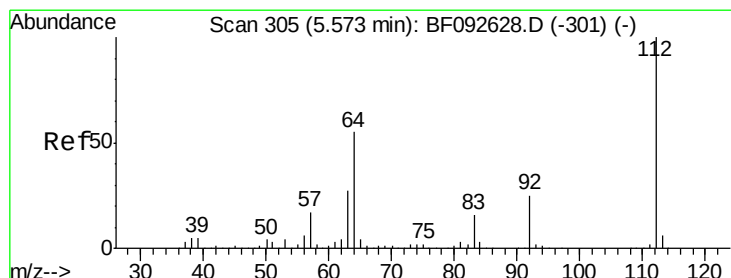
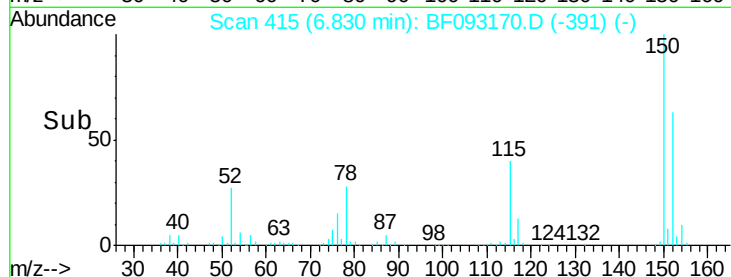
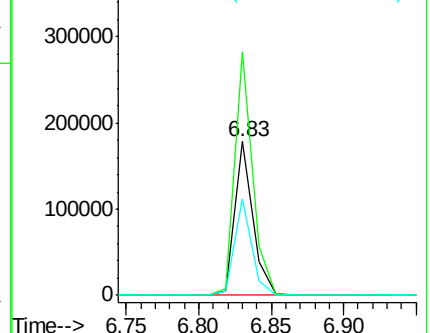
115 63.2 46.0 69.0



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: 116.19 ng

RT: 5.42 min Scan# 292

Delta R.T. -0.02 min

Lab File: BF093170.D

Acq: 25 Feb 2017 3:15

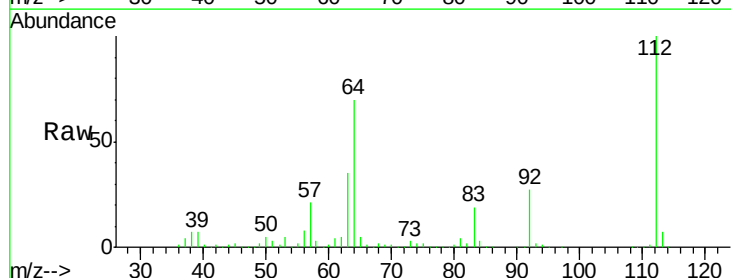
Tgt Ion:112 Resp: 1035504

Ion Ratio Lower Upper

112 100

64 70.1 46.1 69.1#

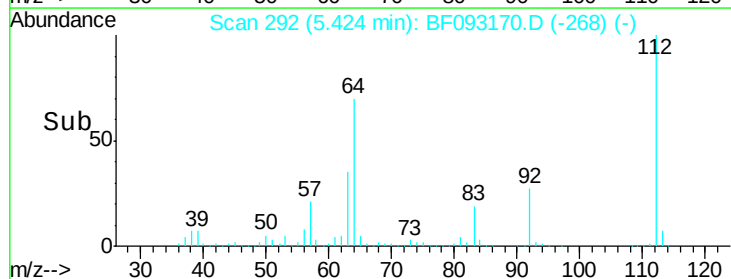
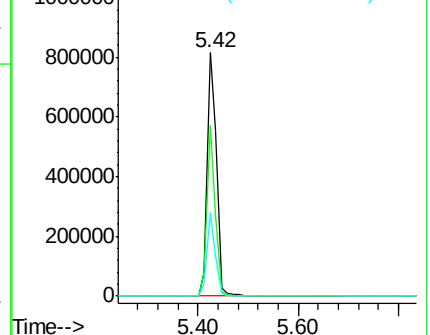
63 34.5 23.8 35.6

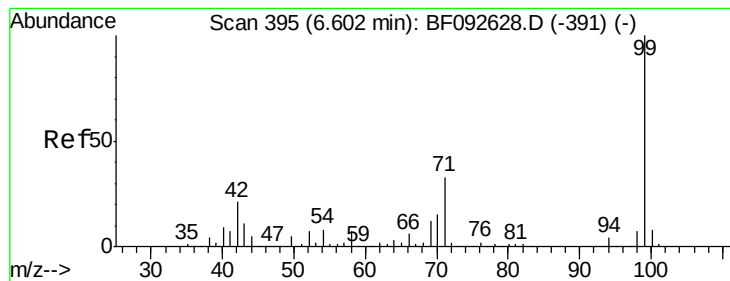


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 106.07 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

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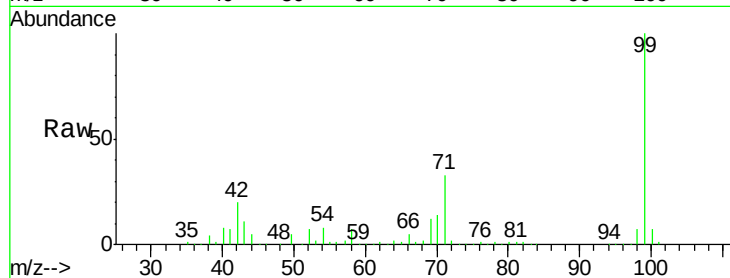
Tgt Ion: 99 Resp: 1216324

Ion Ratio Lower Upper

99 100

42 20.4 15.6 23.4

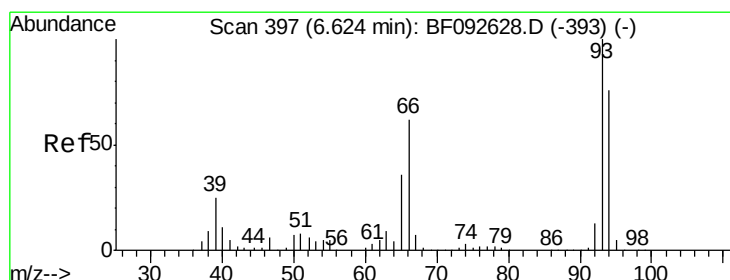
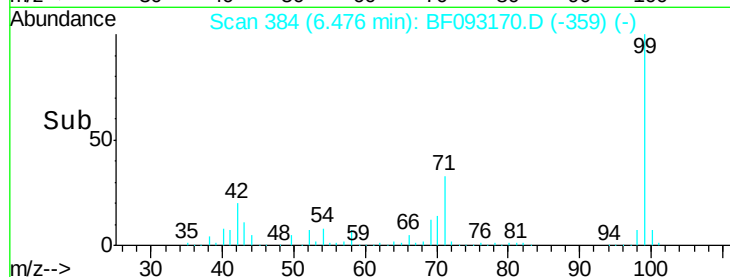
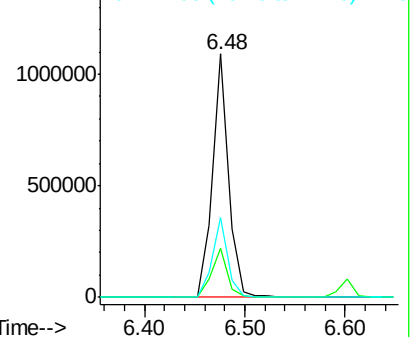
71 32.9 27.5 41.3



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: 4.53 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF093170.D

Acq: 25 Feb 2017 3:15

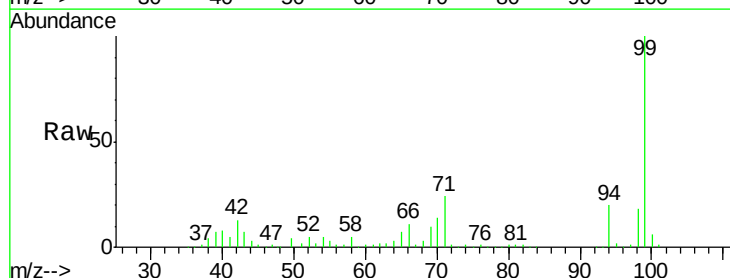
Tgt Ion: 94 Resp: 60708

Ion Ratio Lower Upper

94 100

65 33.9 21.4 61.4

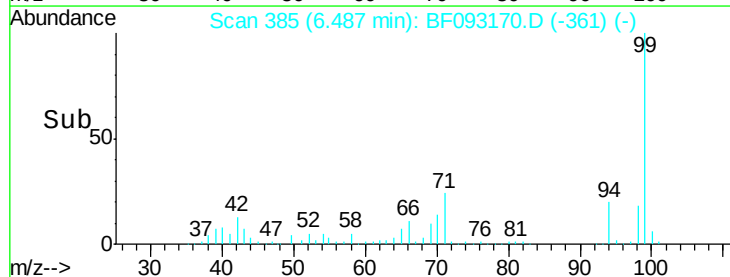
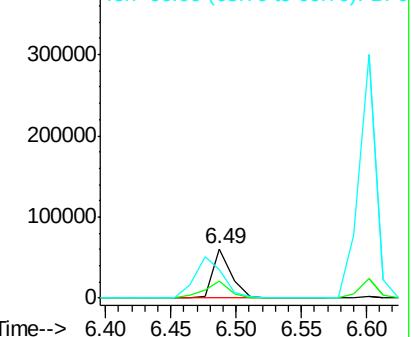
66 56.3 44.0 84.0

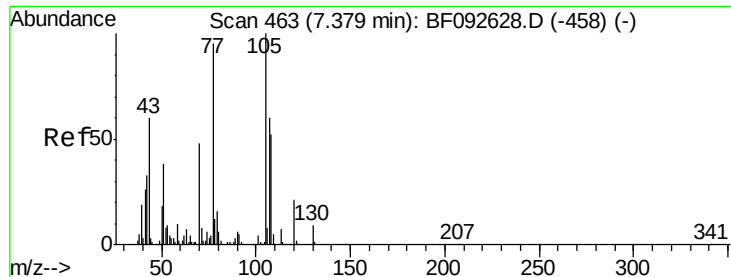


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

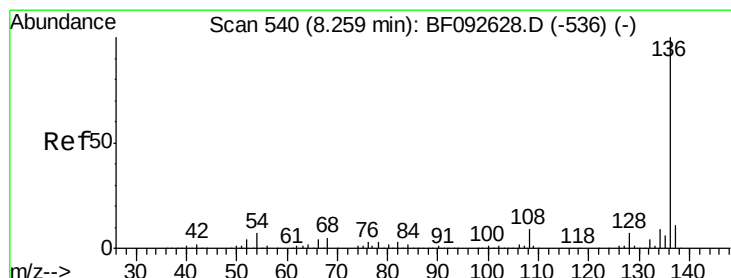
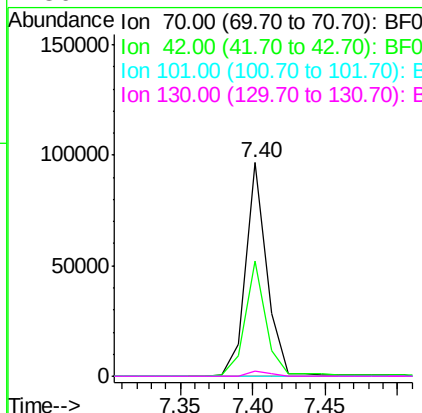
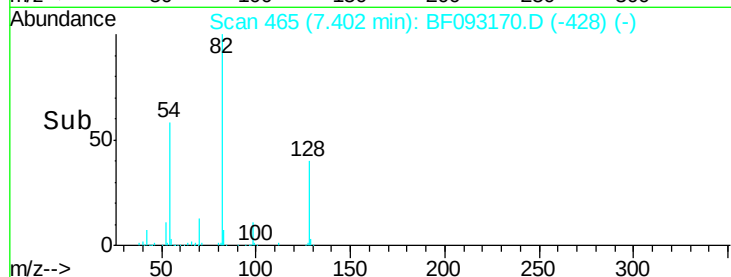
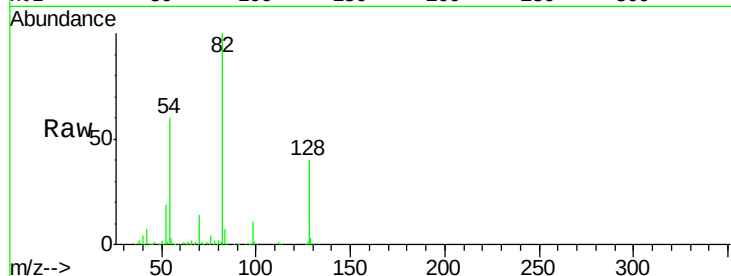




#19
n-Nitroso-di-n-propylamine
Concen: 13.52 ng
RT: 7.40 min Scan# 465
Delta R.T. 0.13 min
Lab File: BF093170.D
Acq: 25 Feb 2017 3:15

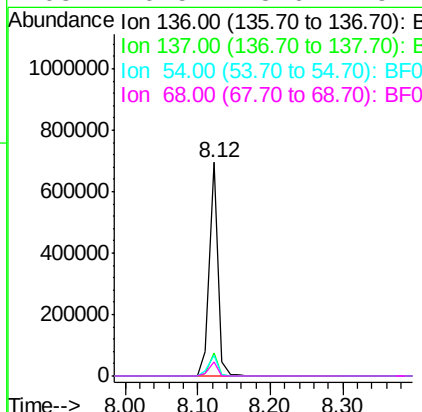
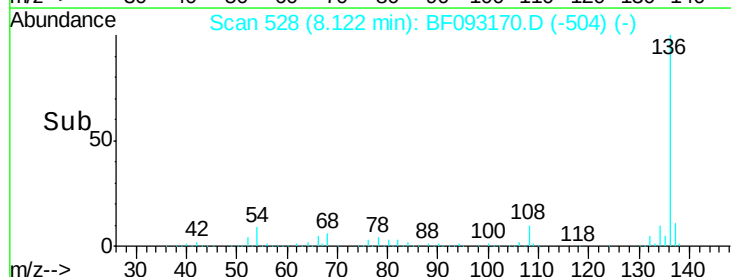
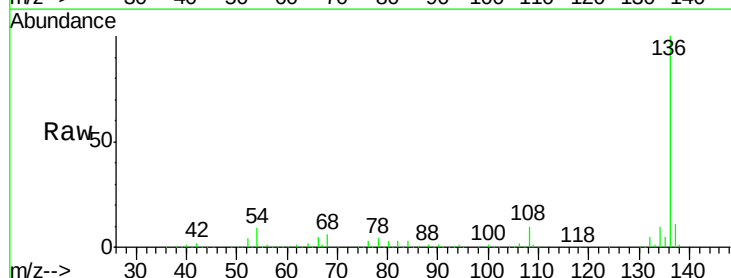
Instrument :
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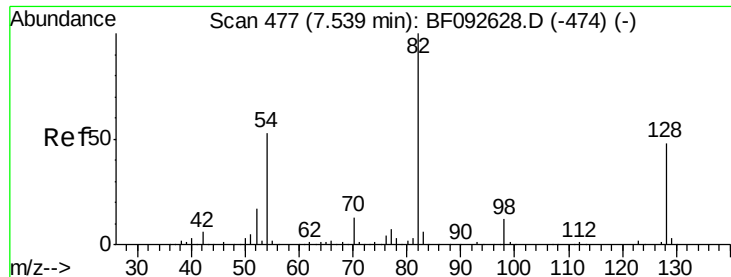
Tgt Ion:	70	Resp:	98663
Ion Ratio	Lower	Upper	
70	100		
42	53.9	49.4	74.0
101	0.0	7.4	11.2#
130	2.2	14.2	21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093170.D
Acq: 25 Feb 2017 3:15

Tgt Ion:	136	Resp:	572413
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.4	12.6
54	9.5	4.5	6.7#
68	6.5	3.6	5.4#

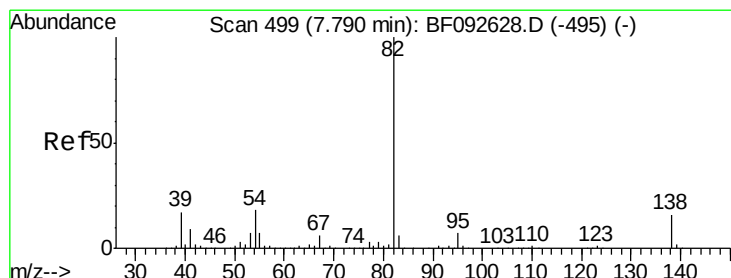
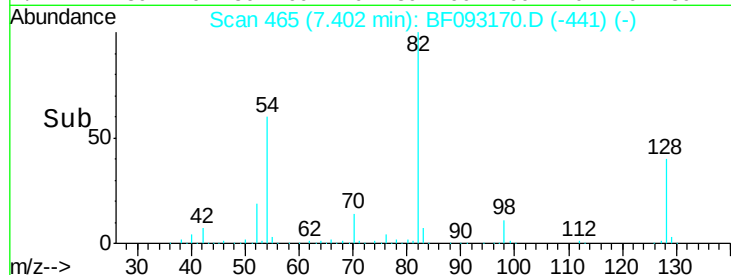
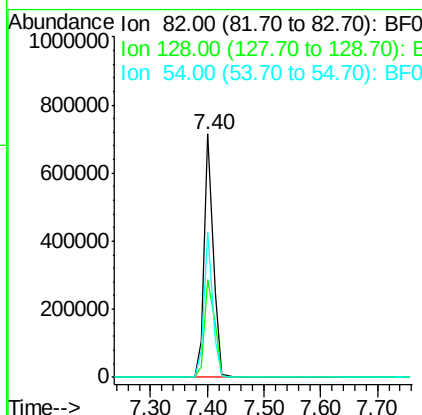
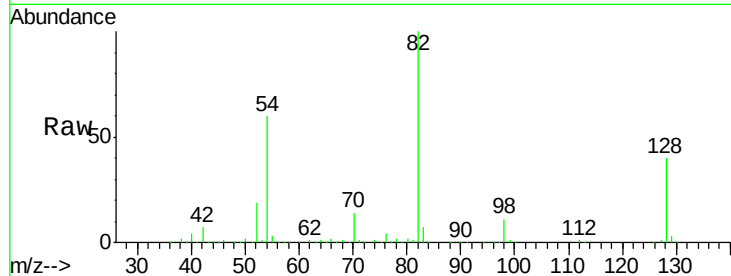




#23
Nitrobenzene-d5
Concen: 73.61 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.02 min
Lab File: BF093170.D
Acq: 25 Feb 2017 3:15

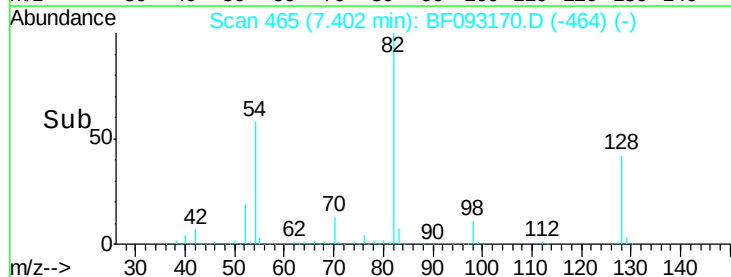
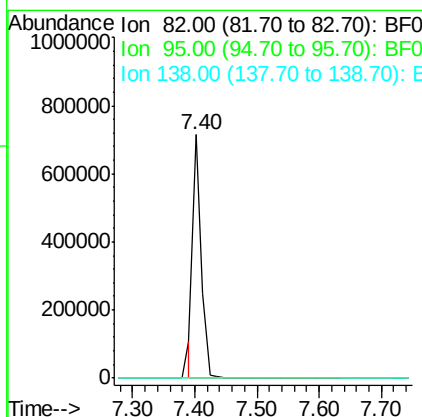
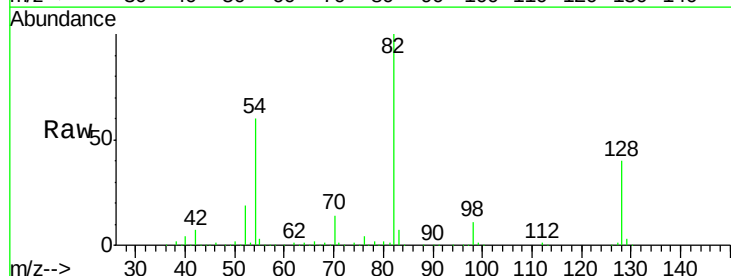
Instrument :
BNA_F
ClientSampleId :
CLP-B-01(0-5)RE

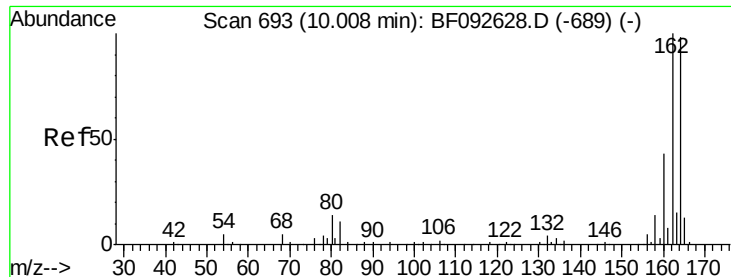
Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.1	34.6	52.0
54	59.6	39.5	59.3#



#25
Isophorone
Concen: 35.39 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.29 min
Lab File: BF093170.D
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Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.6	22.0#

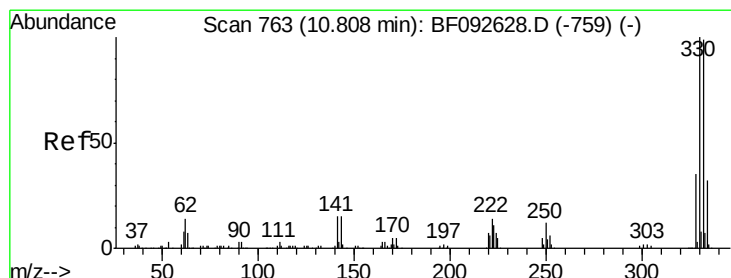
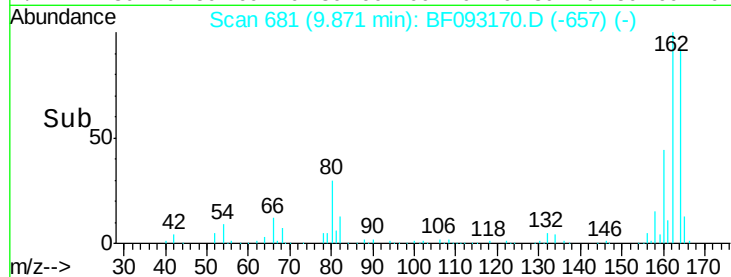
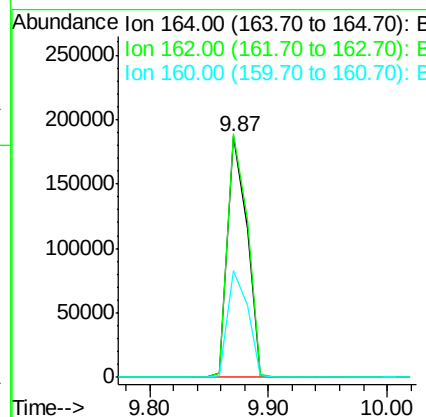
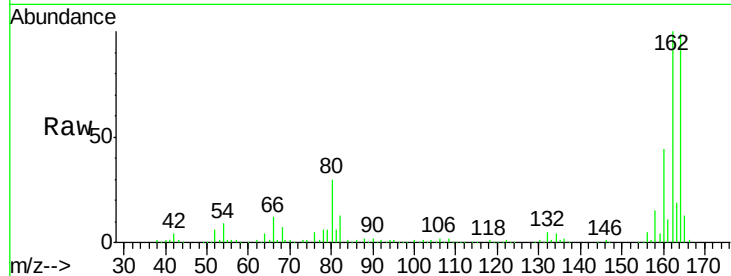




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.87 min Scan# 681
 Delta R.T. -0.02 min
 Lab File: BF093170.D
 Acq: 25 Feb 2017 3:15

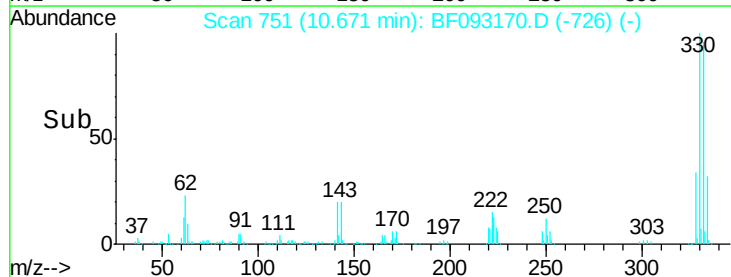
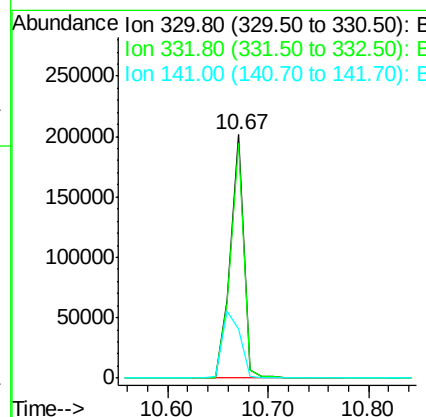
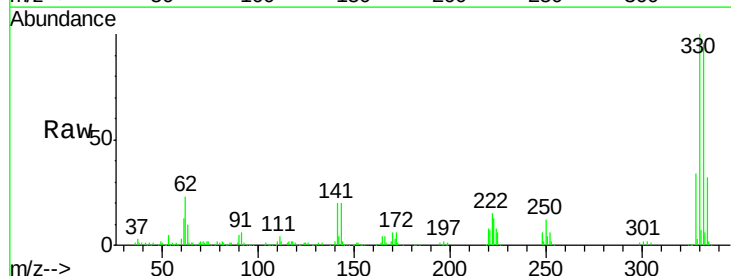
Instrument :
 BNA_F
 ClientSampleId :
 CLP-B-01(0-5)RE

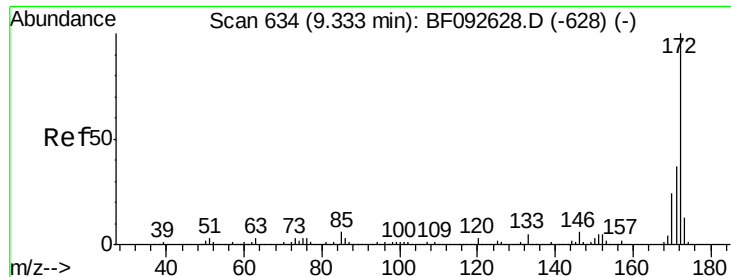
Tgt Ion:164 Resp: 211388
 Ion Ratio Lower Upper
 164 100
 162 101.3 80.2 120.2
 160 44.2 36.9 55.3



#41
 2,4,6-Tribromophenol
 Concen: 124.87 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF093170.D
 Acq: 25 Feb 2017 3:15

Tgt Ion:330 Resp: 190916
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.4 116.2
 141 36.9 34.1 51.1

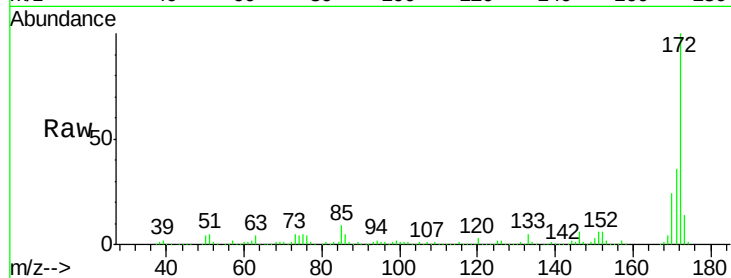




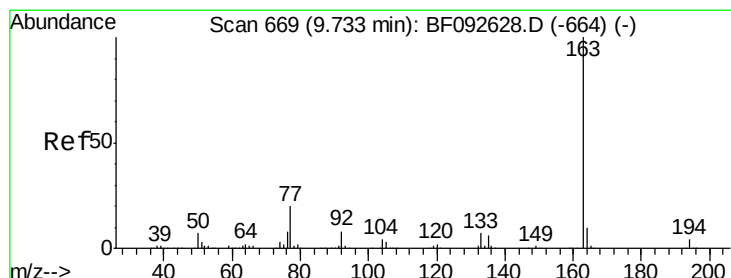
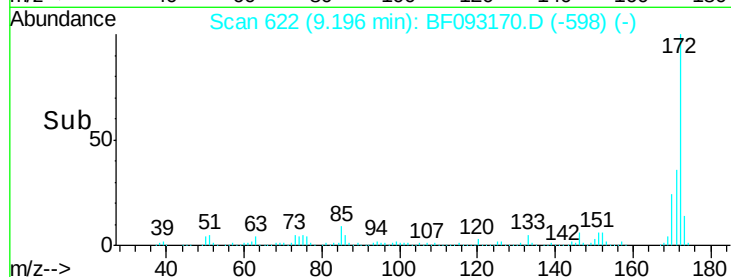
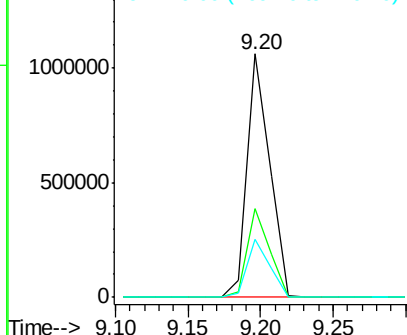
#44
2-Fluorobiphenyl
Concen: 98.71 ng
RT: 9.20 min Scan# 622
Delta R.T. -0.02 min
Lab File: BF093170.D
Acq: 25 Feb 2017 3:15

Instrument :
BNA_F
ClientSampleId :
CLP-B-01(0-5)RE

Tgt Ion:172 Resp: 1151755
Ion Ratio Lower Upper
172 100
171 36.4 29.4 44.0
170 24.0 20.2 30.4

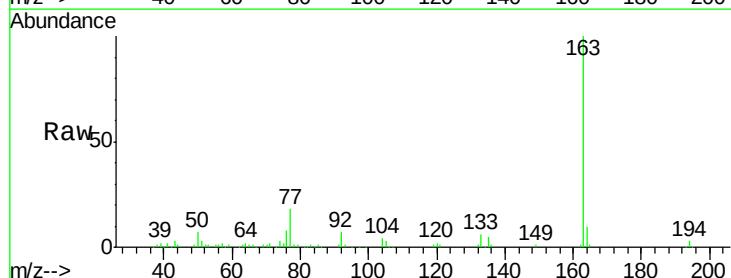


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

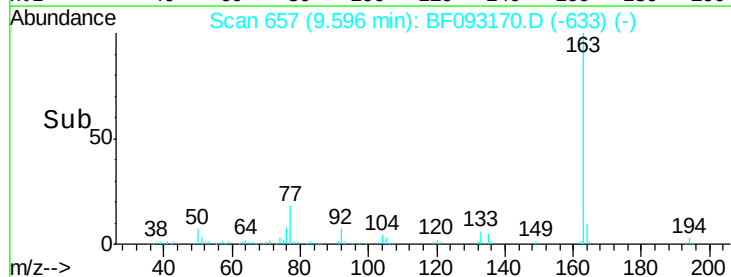
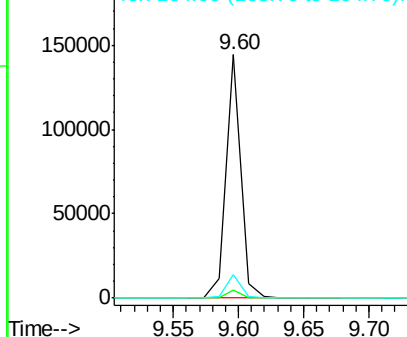


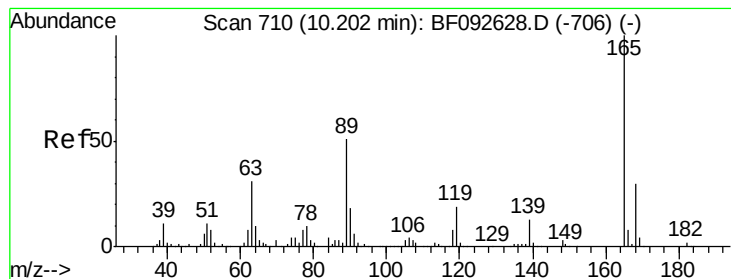
#49
Dimethylphthalate
Concen: 8.02 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.02 min
Lab File: BF093170.D
Acq: 25 Feb 2017 3:15

Tgt Ion:163 Resp: 114243
Ion Ratio Lower Upper
163 100
194 3.2 3.0 4.4
164 9.8 8.0 12.0



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: 6.79 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.22 min

Lab File: BF093170.D

Acq: 25 Feb 2017 3:15

Instrument :

BNA_F

ClientSampleId :

CLP-B-01(0-5)RE

Tgt Ion:165 Resp: 27804

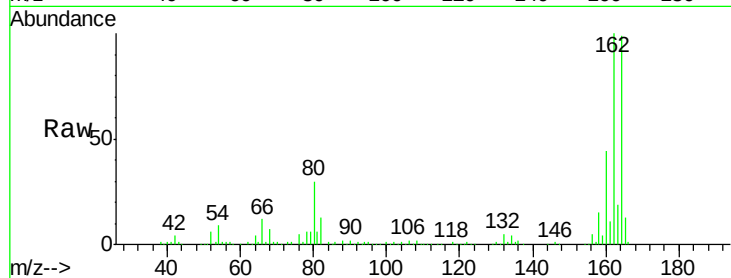
Ion Ratio Lower Upper

165 100

63 1.5 40.2 60.4#

89 2.2 62.5 93.7#

182 0.0 1.8 2.8#

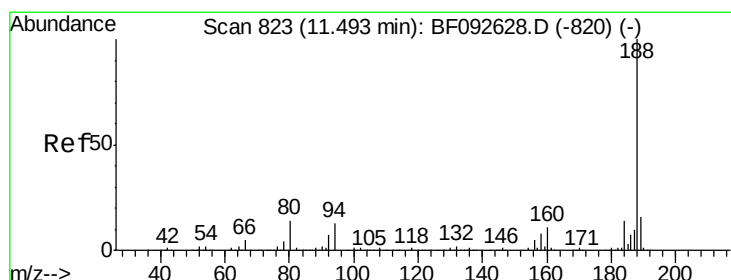
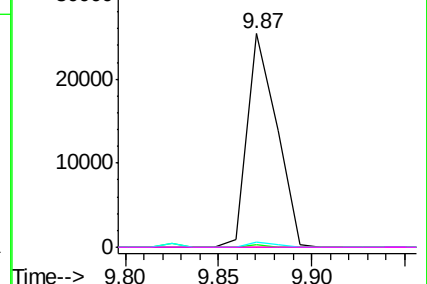
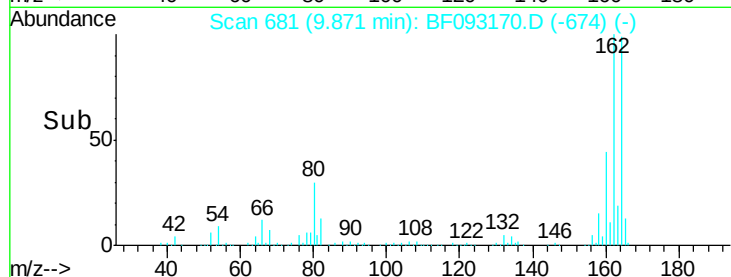


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 811

Delta R.T. -0.02 min

Lab File: BF093170.D

Acq: 25 Feb 2017 3:15

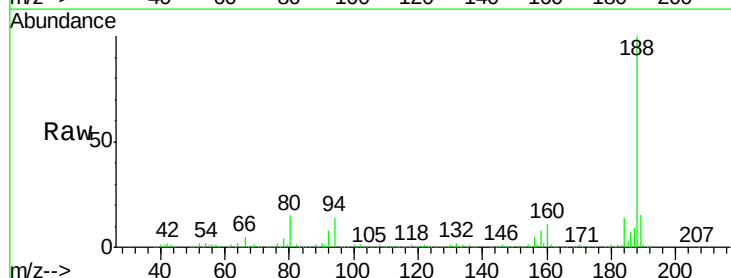
Tgt Ion:188 Resp: 331472

Ion Ratio Lower Upper

188 100

94 13.8 10.0 15.0

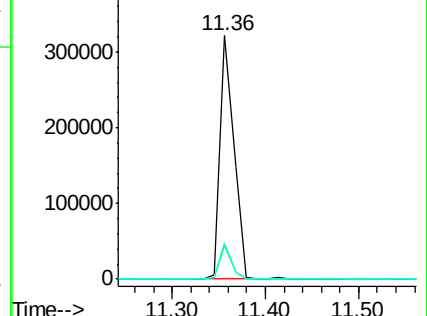
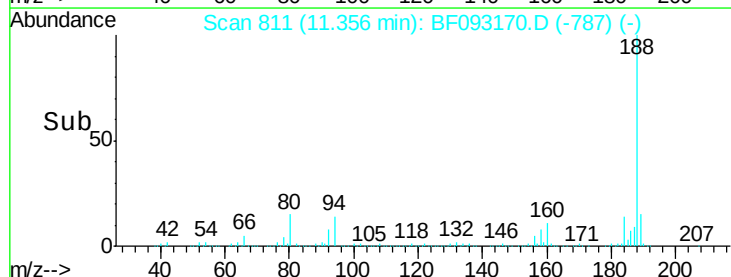
80 15.1 11.2 16.8

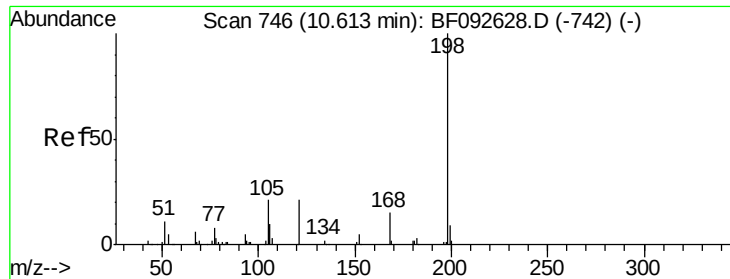


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

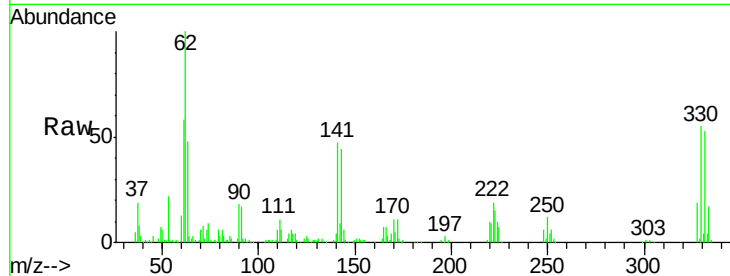




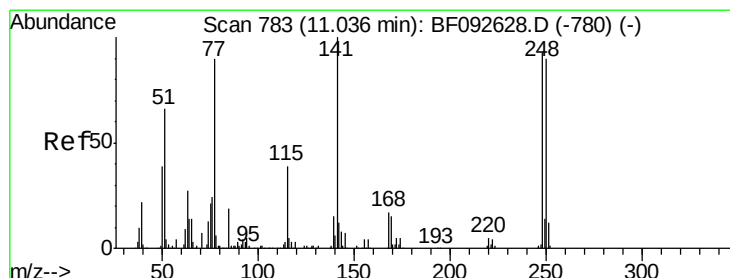
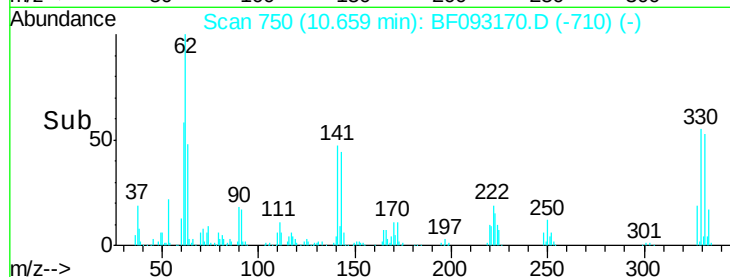
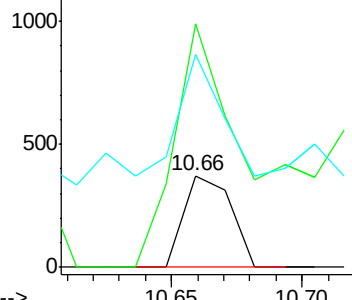
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.89 ng
 RT: 10.66 min Scan# 750
 Delta R.T. 0.16 min
 Lab File: BF093170.D
 Acq: 25 Feb 2017 3:15

Instrument :
 BNA_F
 ClientSampleId :
 CLP-B-01(0-5)RE

Tgt Ion:198 Resp: 469
 Ion Ratio Lower Upper
 198 100
 51 266.1 6.7 46.7#
 105 233.3 16.6 56.6#

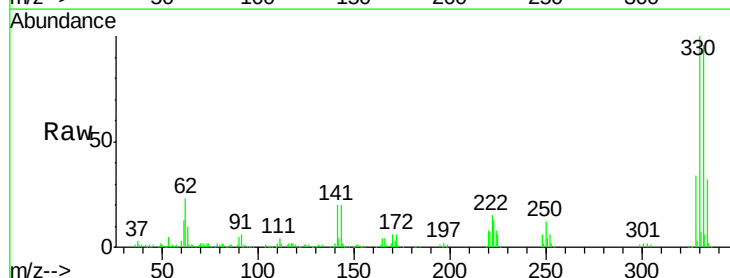


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

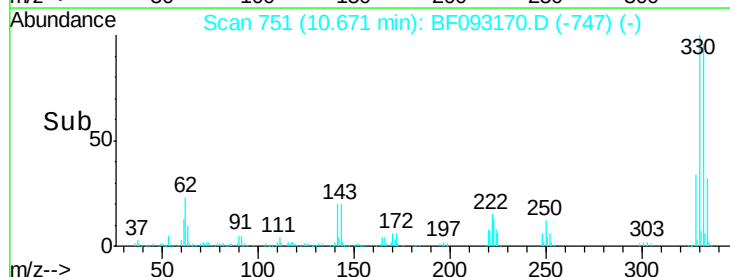
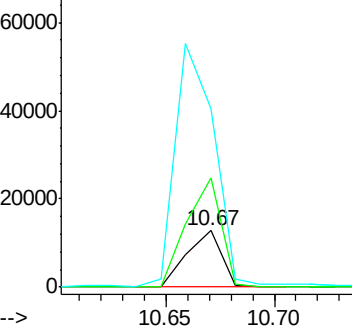


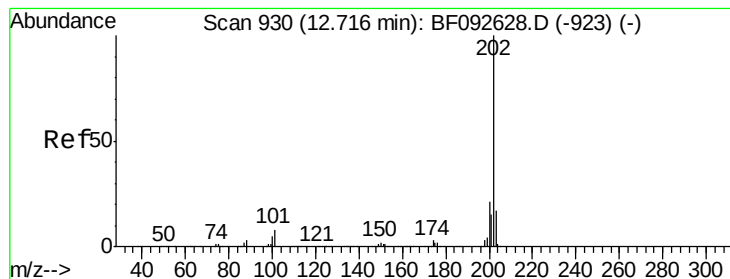
#66
 4-Bromophenyl-phenylether
 Concen: 4.10 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.25 min
 Lab File: BF093170.D
 Acq: 25 Feb 2017 3:15

Tgt Ion:248 Resp: 14188
 Ion Ratio Lower Upper
 248 100
 250 191.9 76.9 115.3#
 141 315.0 68.2 102.4#



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: 3.56 ng

RT: 12.58 min Scan# 918

Delta R.T. -0.01 min

Lab File: BF093170.D

Acq: 25 Feb 2017 3:15

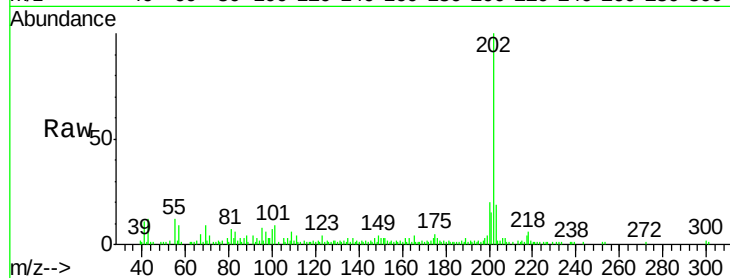
Instrument :

BNA_F

ClientSampleId :

CLP-B-01(0-5)RE

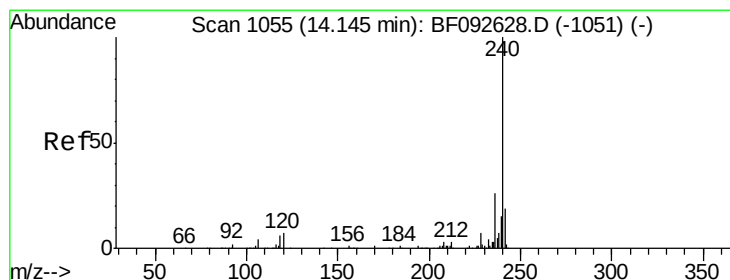
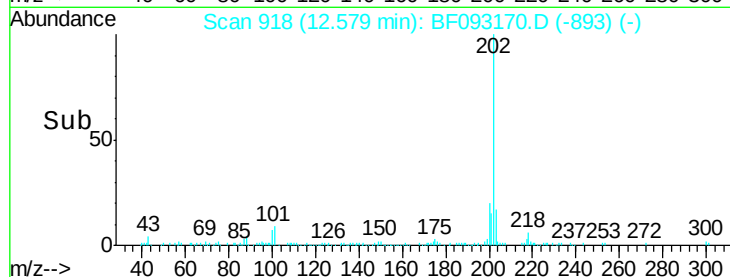
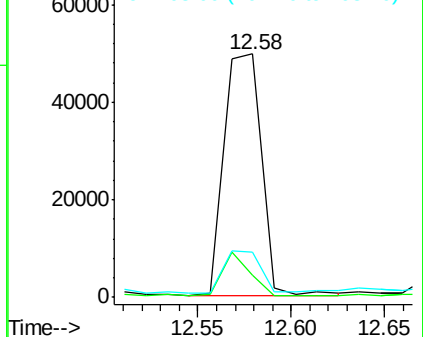
Tgt Ion:	202	Resp:	69751
Ion	Ratio	Lower	Upper
202	100		
101	8.9	0.0	34.6
203	18.8	0.0	38.7



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

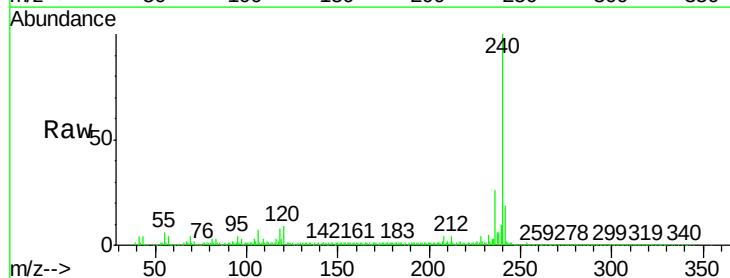
RT: 14.01 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF093170.D

Acq: 25 Feb 2017 3:15

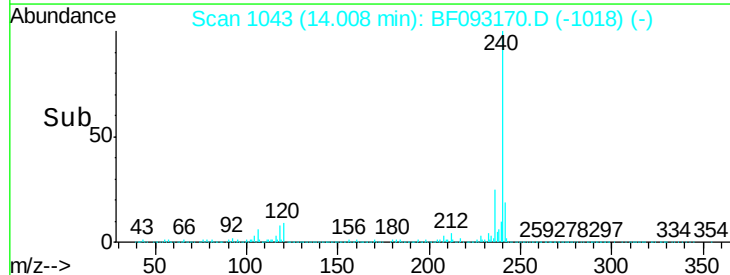
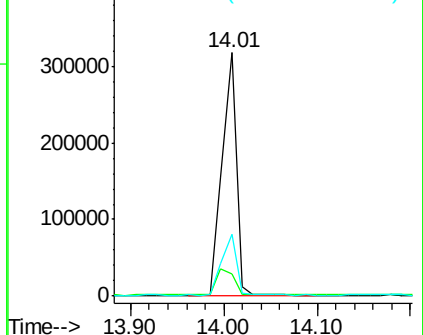
Tgt Ion:	240	Resp:	336219
Ion	Ratio	Lower	Upper
240	100		
120	9.3	12.9	19.3#
236	25.6	20.9	31.3

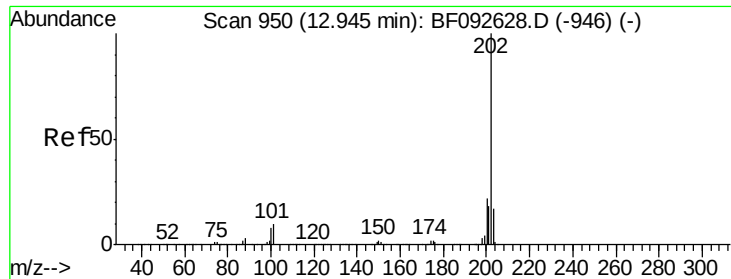


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

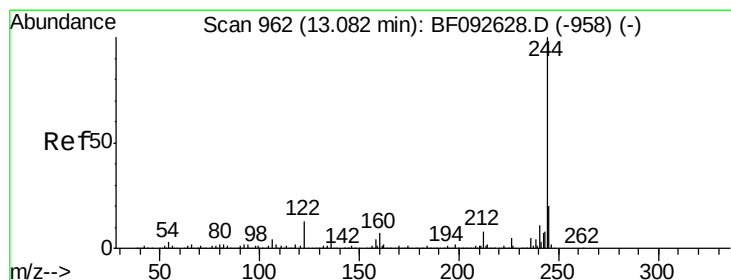
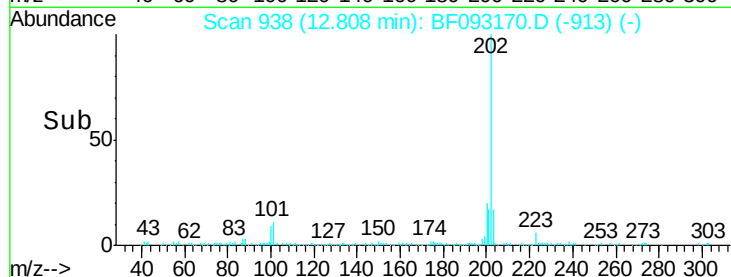
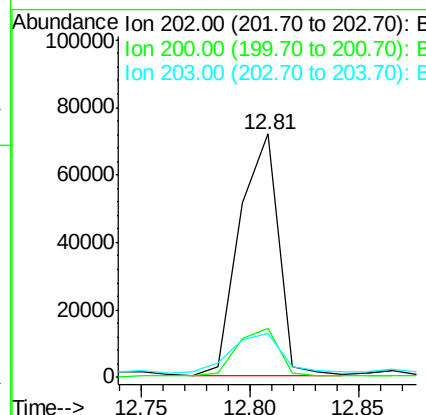
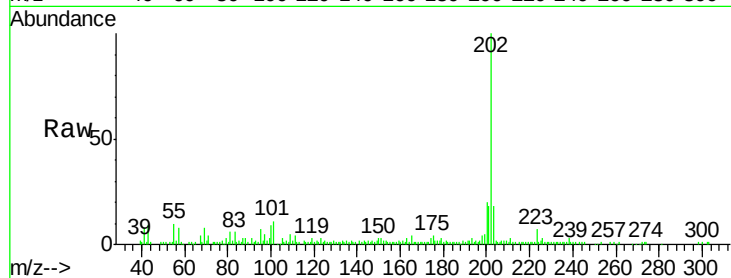




#77
 Pyrene
 Concen: 3.52 ng
 RT: 12.81 min Scan# 938
 Delta R.T. -0.01 min
 Lab File: BF093170.D
 Acq: 25 Feb 2017 3:15

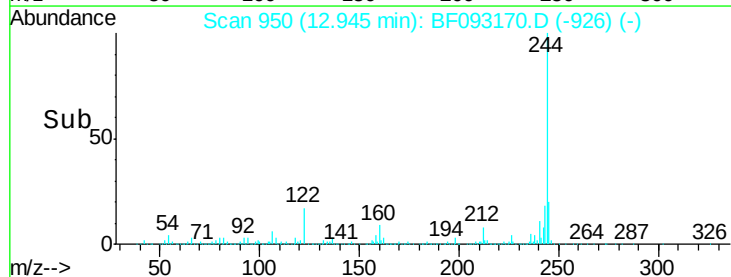
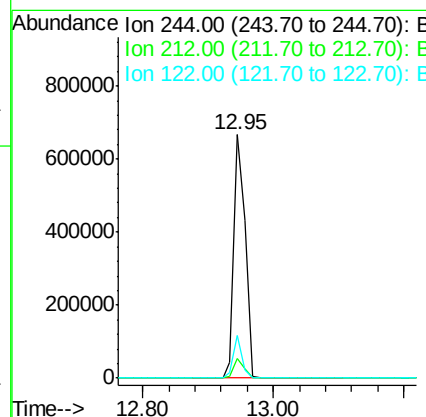
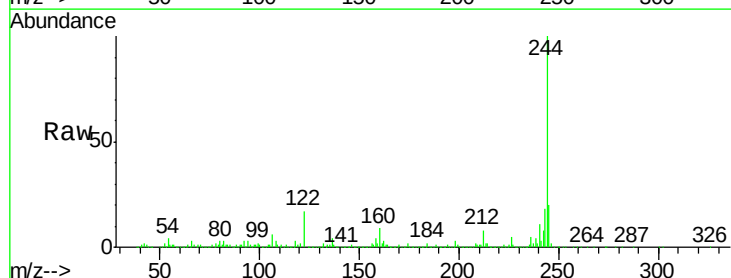
Instrument :
 BNA_F
 ClientSampleId :
 CLP-B-01(0-5)RE

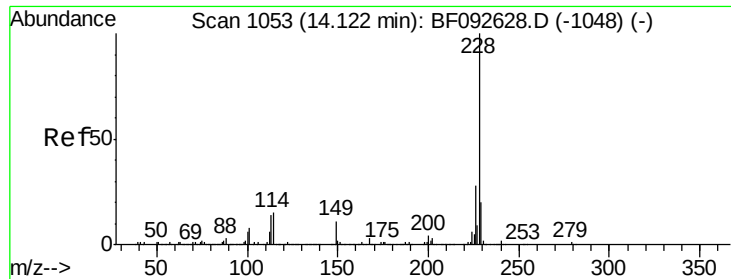
Tgt Ion: 202 Resp: 88649
 Ion Ratio Lower Upper
 202 100
 200 20.3 17.7 26.5
 203 18.0 14.7 22.1



#78
 Terphenyl-d14
 Concen: 55.58 ng
 RT: 12.95 min Scan# 950
 Delta R.T. -0.02 min
 Lab File: BF093170.D
 Acq: 25 Feb 2017 3:15

Tgt Ion: 244 Resp: 795327
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.2 9.2
 122 17.3 11.4 17.2

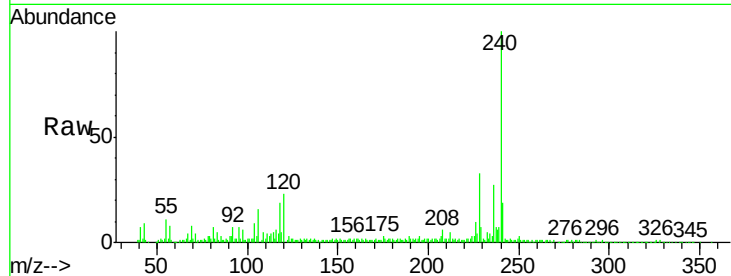




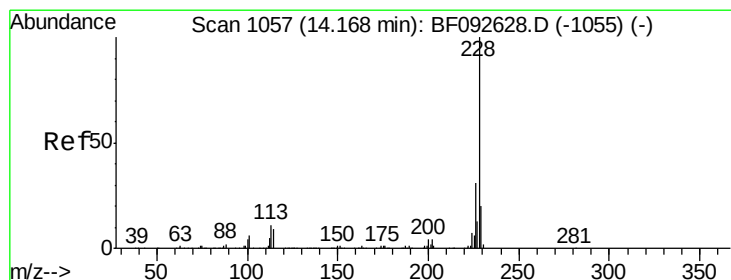
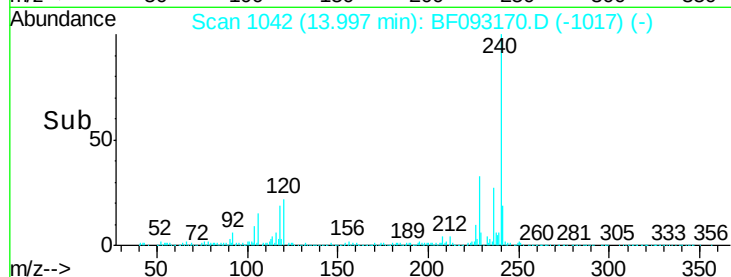
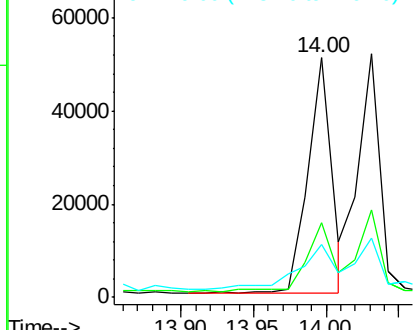
#80
Benzo(a)anthracene
Concen: 2.82 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF093170.D
Acq: 25 Feb 2017 3:15

Instrument :
BNA_F
ClientSampleId :
CLP-B-01(0-5)RE

Tgt Ion:228 Resp: 57984
Ion Ratio Lower Upper
228 100
226 31.3 22.4 33.6
229 22.2 16.2 24.4

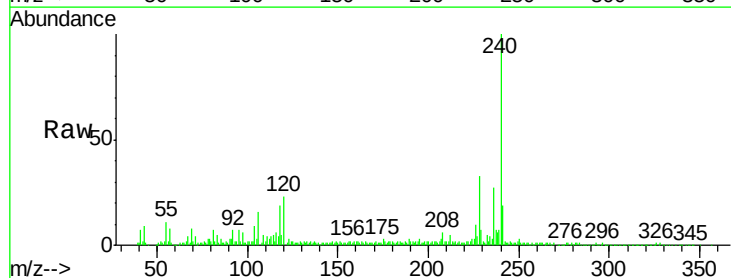


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

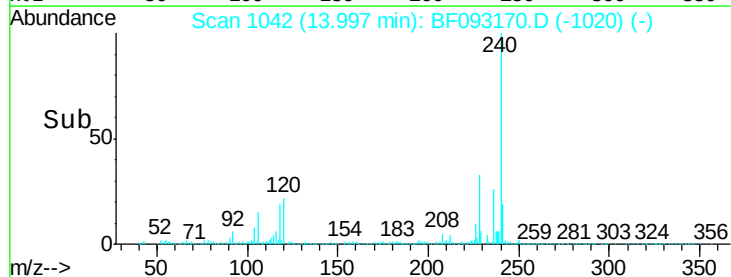
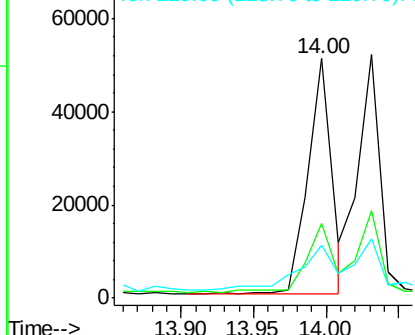


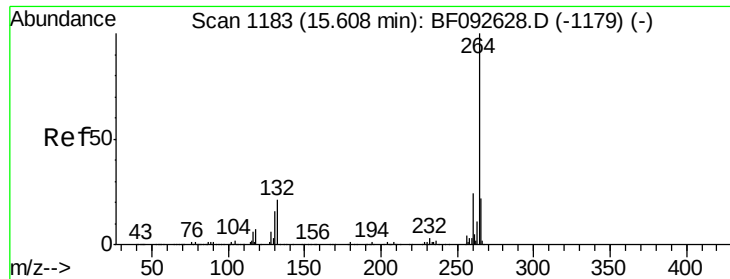
#82
Chrysene
Concen: 3.01 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.05 min
Lab File: BF093170.D
Acq: 25 Feb 2017 3:15

Tgt Ion:228 Resp: 57984
Ion Ratio Lower Upper
228 100
226 31.3 25.4 38.0
229 22.2 16.2 24.2



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

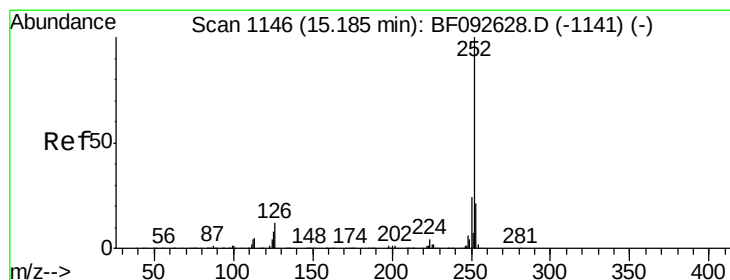
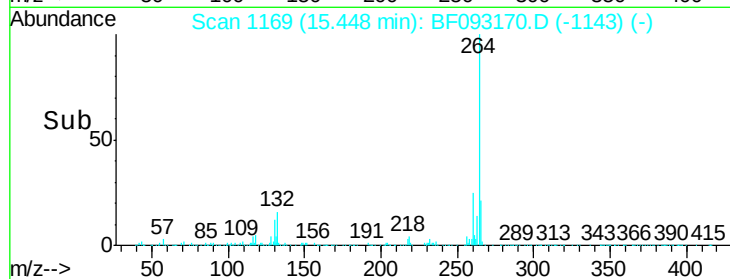
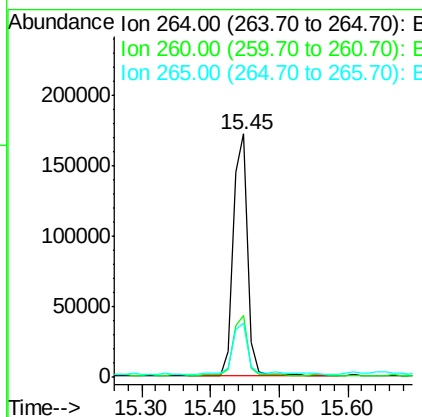
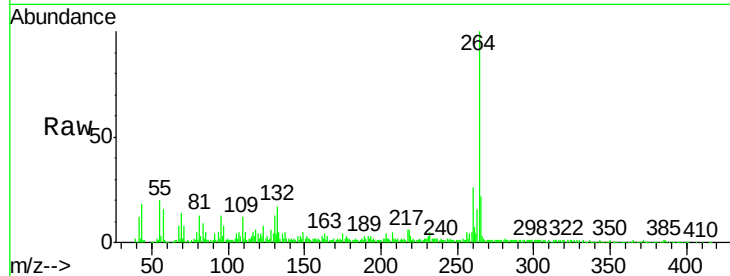




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.45 min Scan# 1169
 Delta R.T. -0.00 min
 Lab File: BF093170.D
 Acq: 25 Feb 2017 3:15

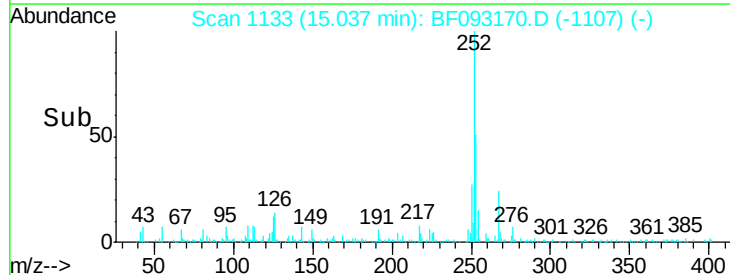
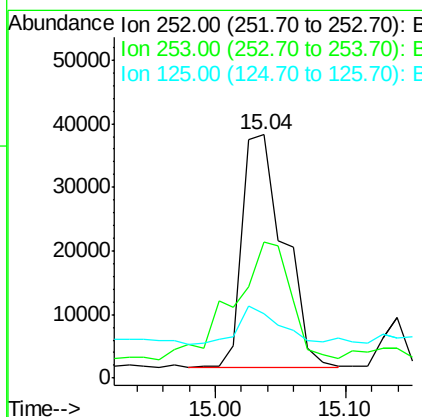
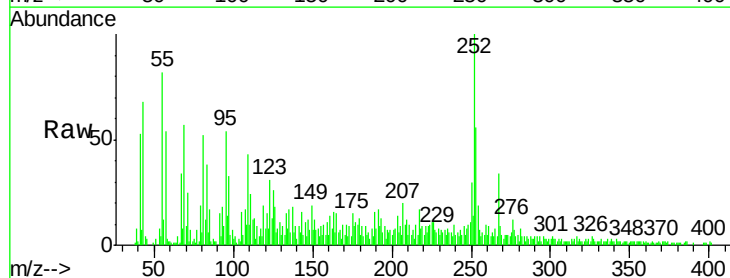
Instrument :
 BNA_F
 ClientSampleId :
 CLP-B-01(0-5)RE

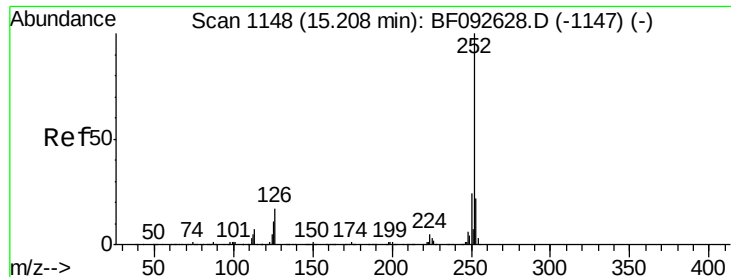
Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.2	28.8
265	22.2	17.4	26.0



#87
 Benzo(b)fluoranthene
 Concen: 4.94 ng
 RT: 15.04 min Scan# 1133
 Delta R.T. -0.00 min
 Lab File: BF093170.D
 Acq: 25 Feb 2017 3:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	56.1	18.2	27.4#
125	26.2	9.8	14.6#

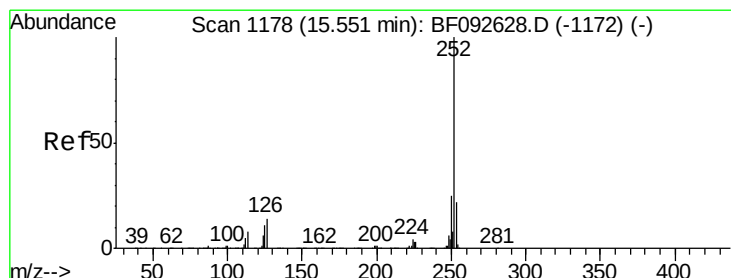
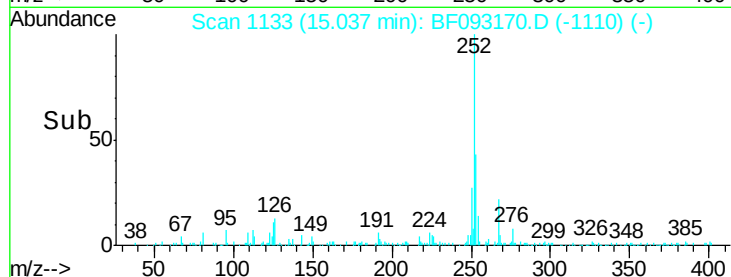
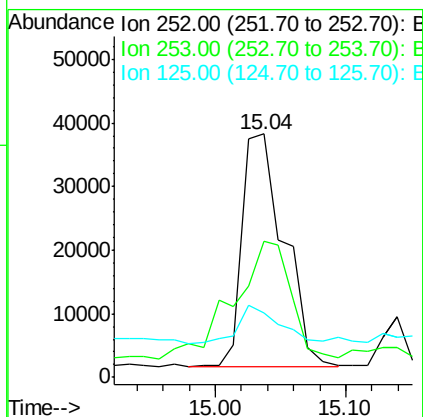
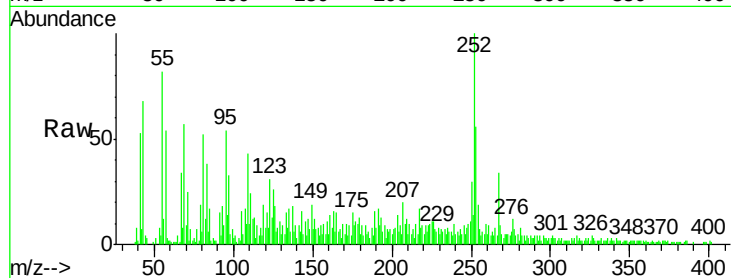




#88
Benzo(k)fluoranthene
Concen: 5.75 ng
RT: 15.04 min Scan# 1133
Delta R.T. -0.03 min
Lab File: BF093170.D
Acq: 25 Feb 2017 3:15

Instrument :
BNA_F
ClientSampleId :
CLP-B-01(0-5)RE

Tgt Ion:252 Resp: 82053
Ion Ratio Lower Upper
252 100
253 56.1 18.5 27.7#
125 26.2 8.9 13.3#



#89
Benzo(a)pyrene
Concen: 2.89 ng
RT: 15.38 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF093170.D
Acq: 25 Feb 2017 3:15

Tgt Ion:252 Resp: 41287
Ion Ratio Lower Upper
252 100
253 29.7 18.2 27.2#
125 30.0 10.0 15.0#

