

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
 Data File : BF093203.D
 Acq On : 27 Feb 2017 12:37
 Operator : SJ/MA
 Sample : I1954-09RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Feb 27 12:59:37 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

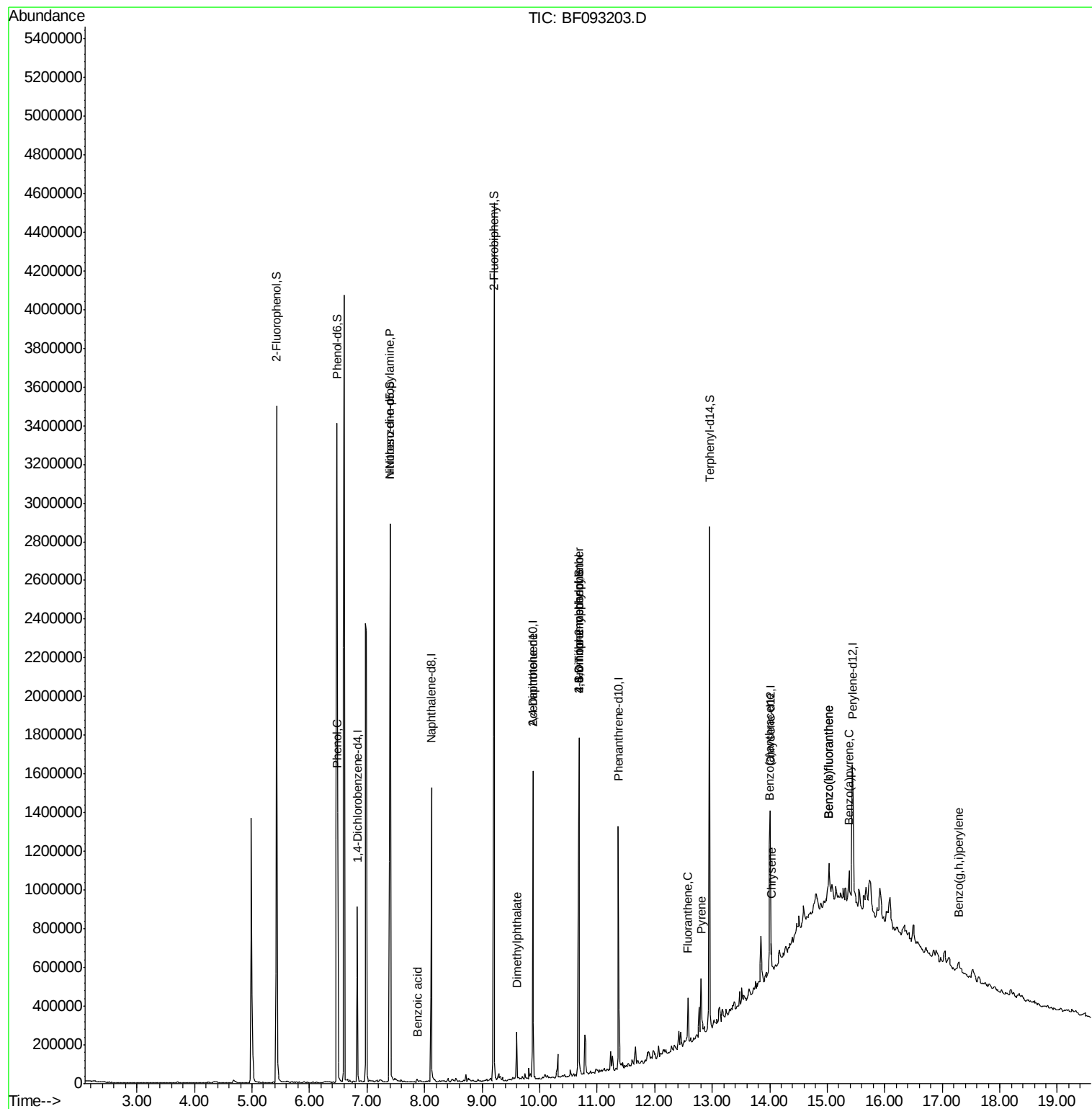
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	171520	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	672793	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	292240	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	442457	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	373249	20.00	ng	-0.01
86) Perylene-d12	15.44	264	312035	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1161485	116.18	ng	-0.02
7) Phenol-d6	6.48	99	1445011	112.33	ng	-0.01
23) Nitrobenzene-d5	7.40	82	986336	81.64	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	242132	114.56	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1500458	93.02	ng	-0.01
78) Terphenyl-d14	12.96	244	1034990	65.15	ng	-0.01
Target Compounds						
10) Phenol	6.49	94	70798	4.70	ng	Qvalue 94
19) n-Nitroso-di-n-propylamine	7.40	70	134739	16.45	ng	# 79
32) Benzoic acid	7.88	122	507	7.24	ng	# 81
49) Dimethylphthalate	9.61	163	132255	6.72	ng	100
56) 2,4-Dinitrotoluene	9.88	165	37395	6.61	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.68	198	756	2.93	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	17522	3.79	ng	# 1
74) Fluoranthene	12.58	202	91244	3.49	ng	97
77) Pyrene	12.81	202	110971	3.97	ng	99
80) Benzo(a)anthracene	14.00	228	67019	2.94	ng	95
82) Chrysene	14.03	228	65852	3.08	ng	95
87) Benzo(b)fluoranthene	15.03	252	104148	5.07	ng	# 71
88) Benzo(k)fluoranthene	15.03	252	104148	5.87	ng	# 71
89) Benzo(a)pyrene	15.38	252	52071	2.93	ng	# 82
91) Benzo(a,h,i)perylene	17.29	276	31155	2.15	ng	# 81

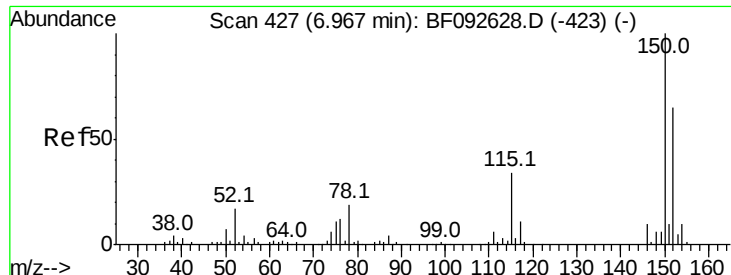
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.02 min

Lab File: BF093203.D

Acq: 27 Feb 2017 12:37

Instrument :

BNA_F

ClientSampleId :

CLP-B-01(0-5)

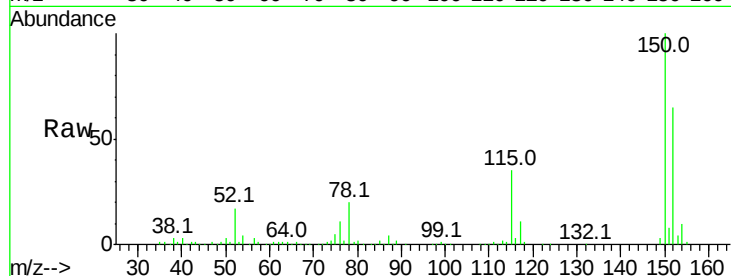
Tot Ion:152 Resp: 171520

Ion Ratio Lower Upper

152 100

150 153.1 124.9 187.3

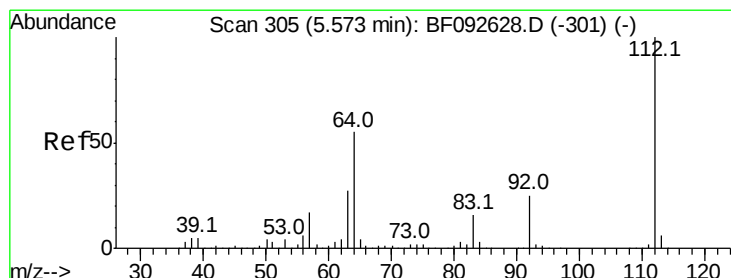
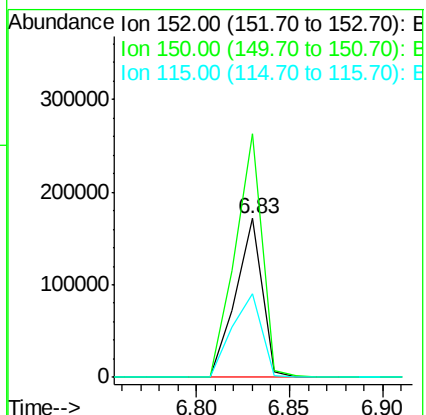
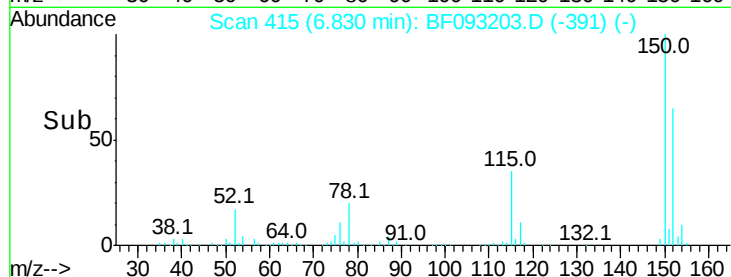
115 52.8 46.0 69.0



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: 116.18 ng

RT: 5.42 min Scan# 292

Delta R.T. -0.02 min

Lab File: BF093203.D

Acq: 27 Feb 2017 12:37

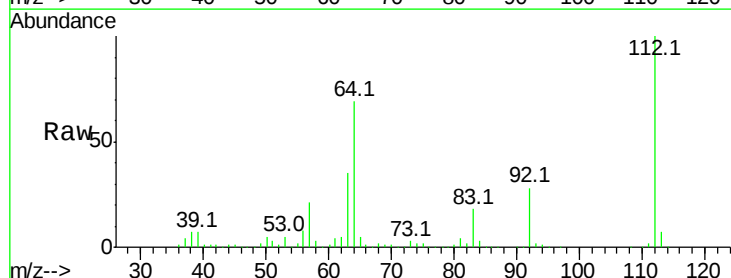
Tgt Ion:112 Resp: 1161485

Ion Ratio Lower Upper

112 100

64 69.4 46.1 69.1#

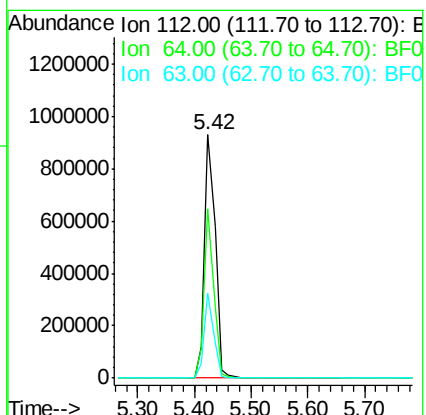
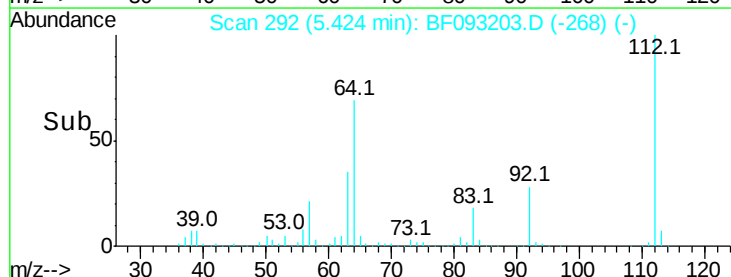
63 34.7 23.8 35.6

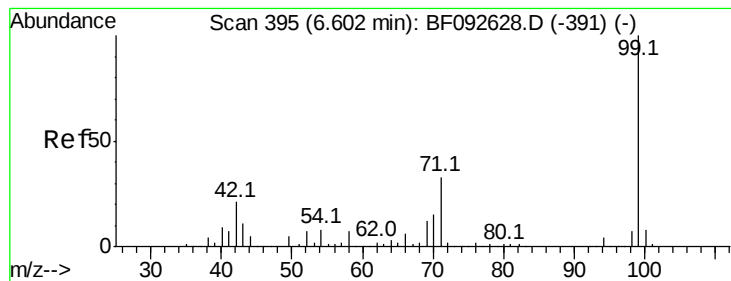


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 112.33 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093203.D

Acq: 27 Feb 2017 12:37

Instrument :

BNA_F

ClientSampleId :

CLP-B-01(0-5)

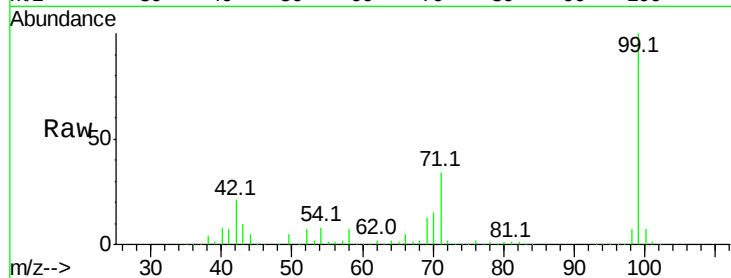
Tot Ion: 99 Resp: 1445011

Ion	Ratio	Lower	Upper
99	100		
42	20.6	15.6	23.4
71	33.6	27.5	41.3

99 100

42 20.6 15.6 23.4

71 33.6 27.5 41.3

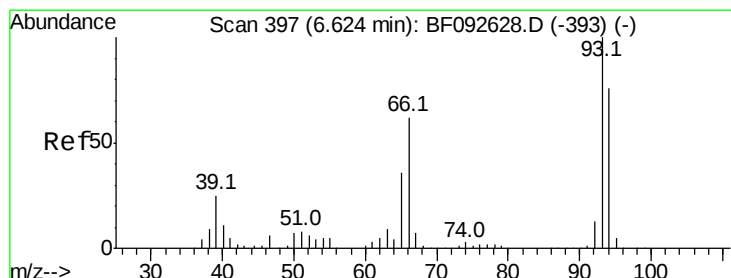
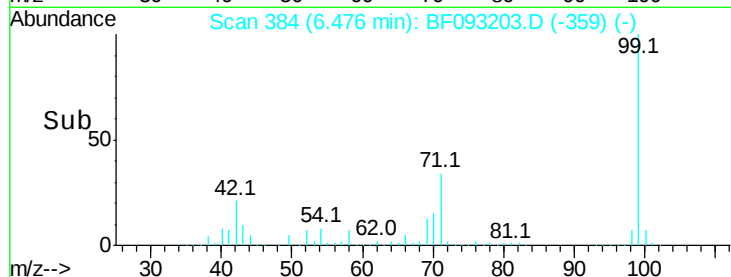
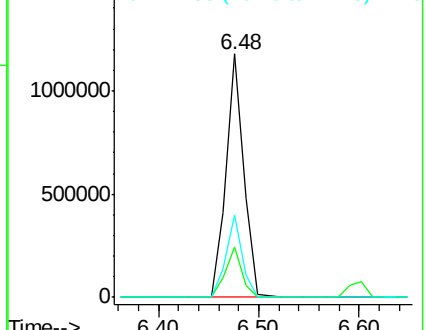


Abundance

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: 4.70 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF093203.D

Acq: 27 Feb 2017 12:37

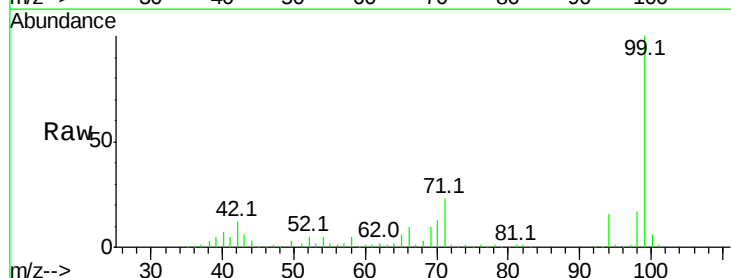
Tgt Ion: 94 Resp: 70798

Ion	Ratio	Lower	Upper
94	100		
65	35.8	21.4	61.4
66	60.5	44.0	84.0

94 100

65 35.8 21.4 61.4

66 60.5 44.0 84.0

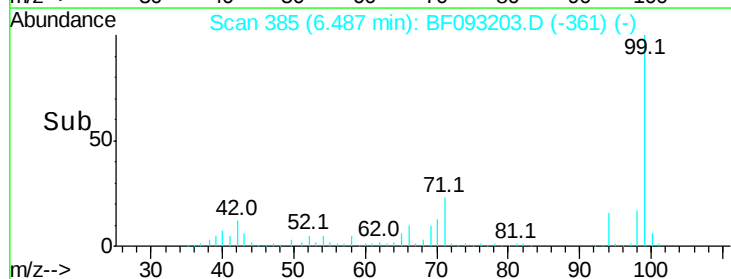
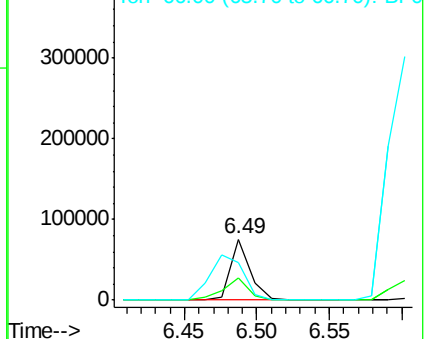


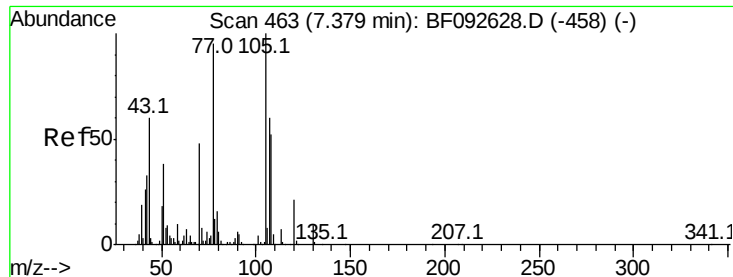
Abundance

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

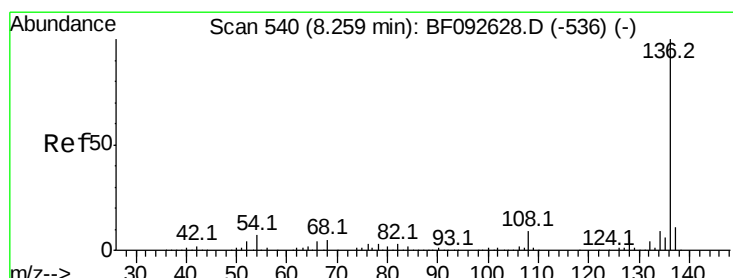
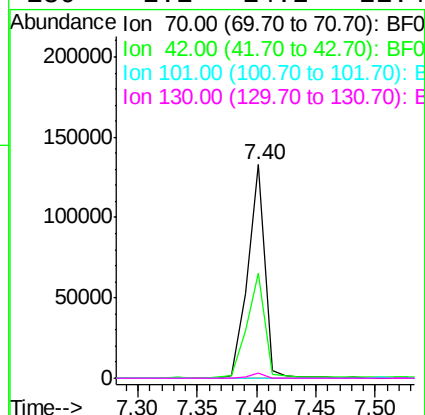
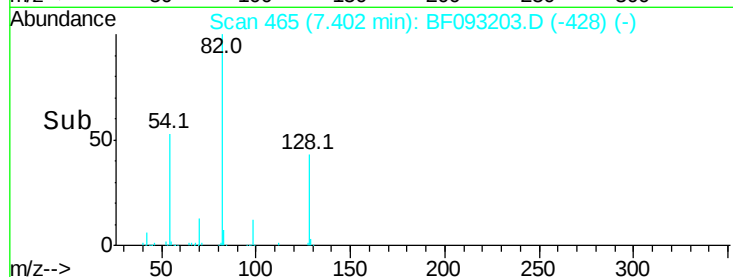
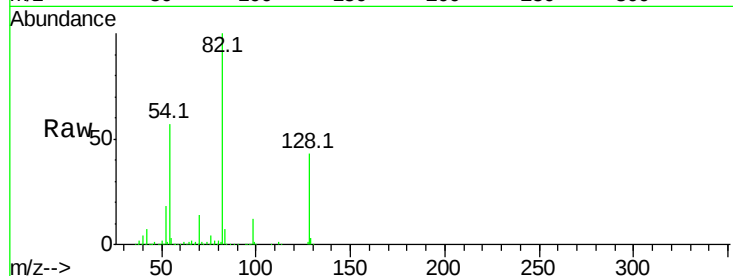




#19
n-Nitroso-di-n-propylamine
Concen: 16.45 ng
RT: 7.40 min Scan# 465
Delta R.T. 0.13 min
Lab File: BF093203.D
Acq: 27 Feb 2017 12:37

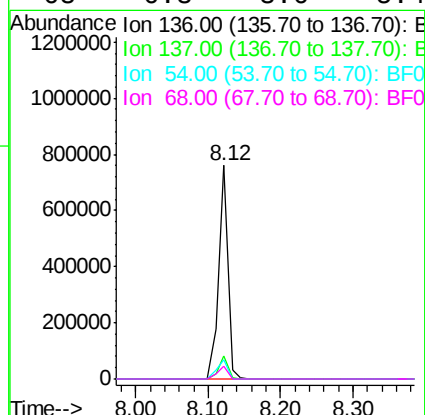
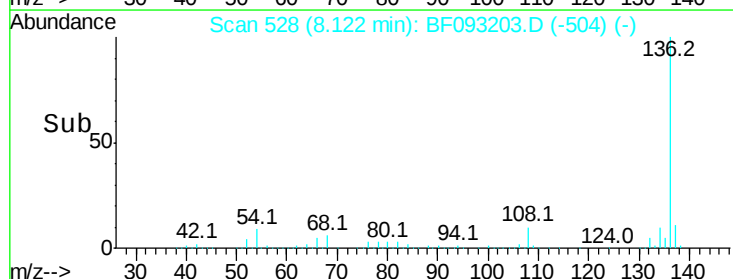
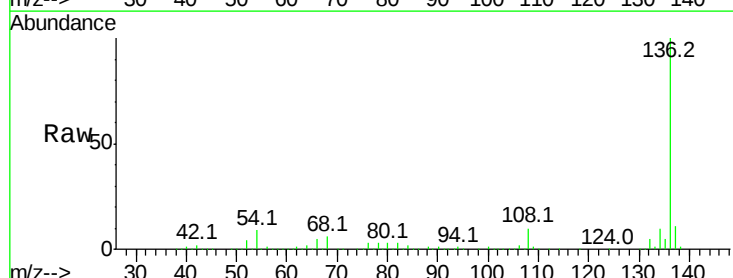
Instrument :
BNA_F
ClientSampleId :
CLP-B-01(0-5)

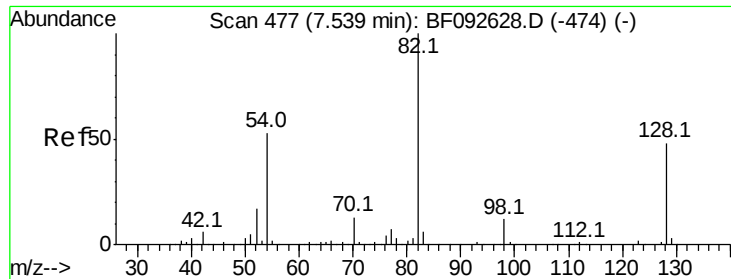
Tot Ion: 70 Resp: 134739
Ion Ratio Lower Upper
70 100
42 49.4 49.4 74.0
101 0.0 7.4 11.2#
130 2.1 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093203.D
Acq: 27 Feb 2017 12:37

Tgt Ion:136 Resp: 672793
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 8.8 4.5 6.7#
68 6.3 3.6 5.4#

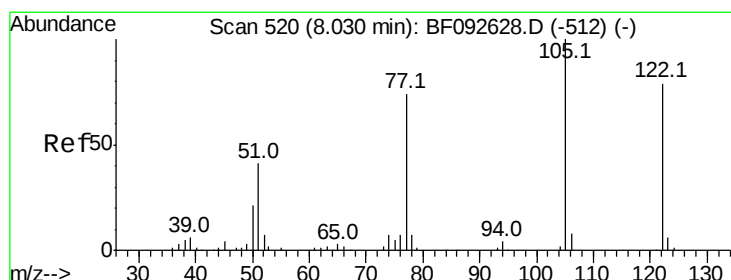
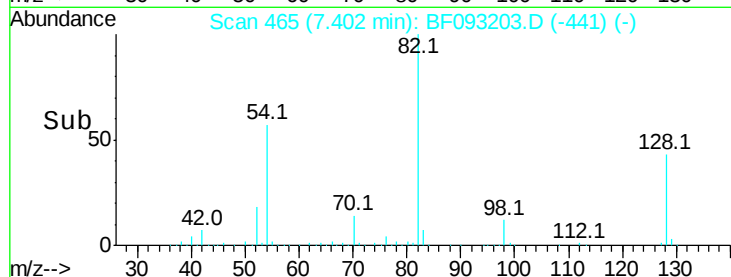
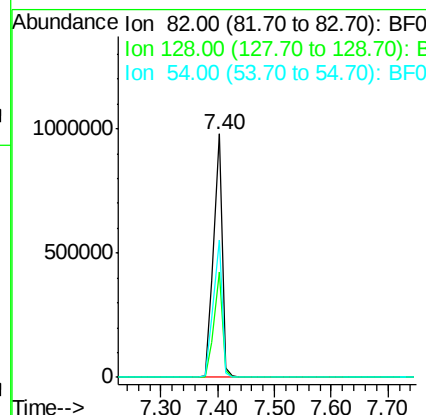
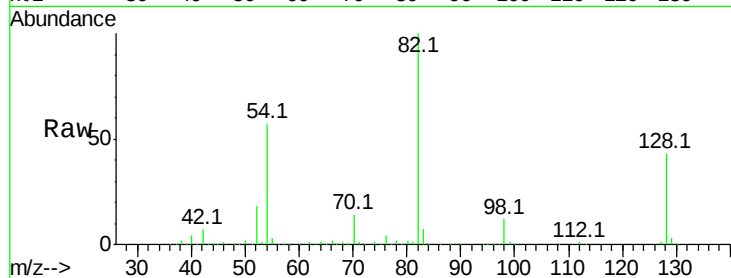




#23
 Nitrobenzene-d5
 Concen: 81.64 ng
 RT: 7.40 min Scan# 465
 Delta R.T. -0.02 min
 Lab File: BF093203.D
 Acq: 27 Feb 2017 12:37

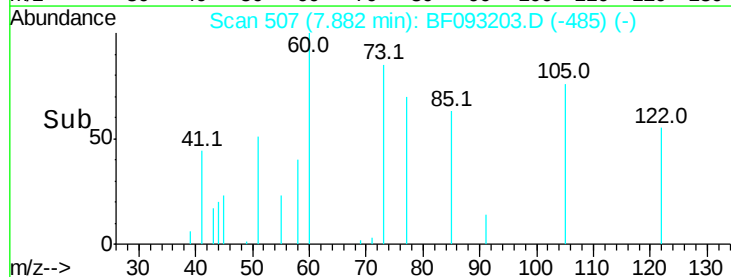
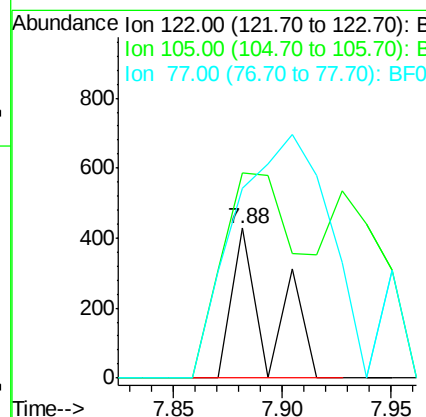
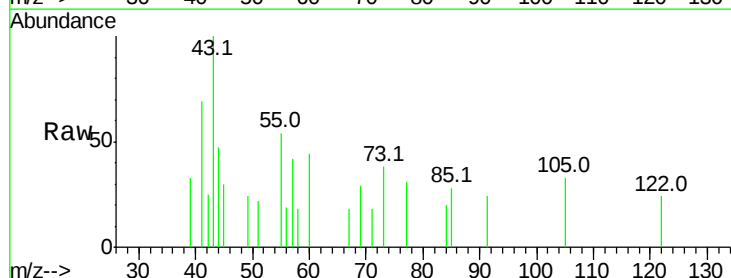
Instrument :
 BNA_F
 ClientSampleId :
 CLP-B-01(0-5)

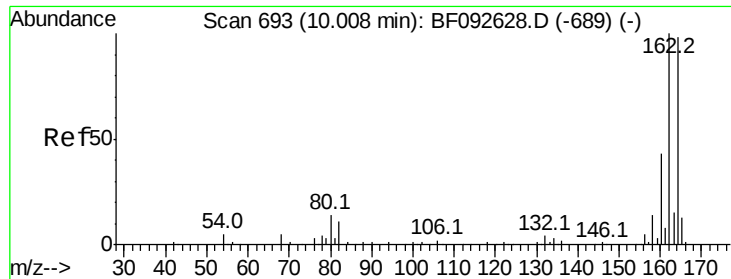
Tot Ion: 82 Resp: 986336
 Ion Ratio Lower Upper
 82 100
 128 43.4 34.6 52.0
 54 56.6 39.5 59.3



#32
 Benzoic acid
 Concen: 7.24 ng
 RT: 7.88 min Scan# 507
 Delta R.T. -0.05 min
 Lab File: BF093203.D
 Acq: 27 Feb 2017 12:37

Tgt Ion:122 Resp: 507
 Ion Ratio Lower Upper
 122 100
 105 137.1 107.2 147.2
 77 126.6 74.5 114.5#

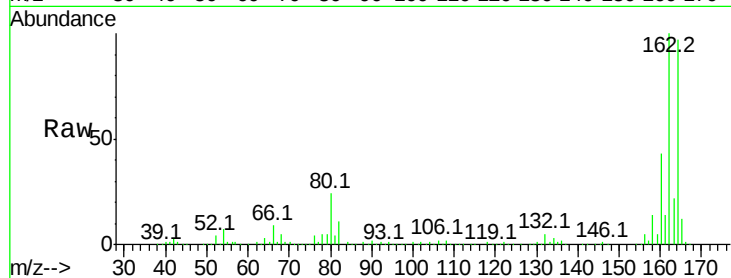




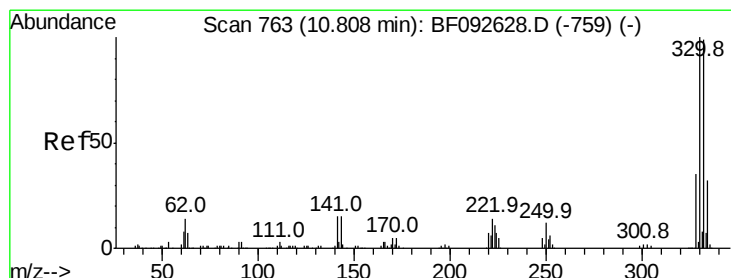
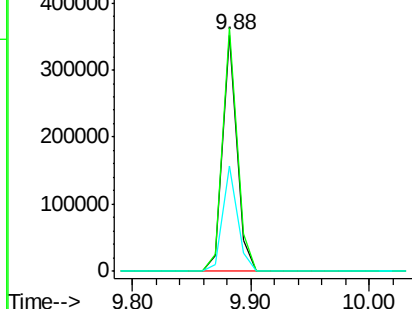
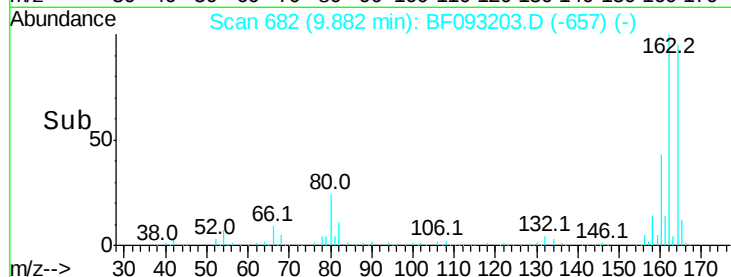
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.01 min
 Lab File: BF093203.D
 Acq: 27 Feb 2017 12:37

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

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.0	80.2	120.2
160	44.7	36.9	55.3

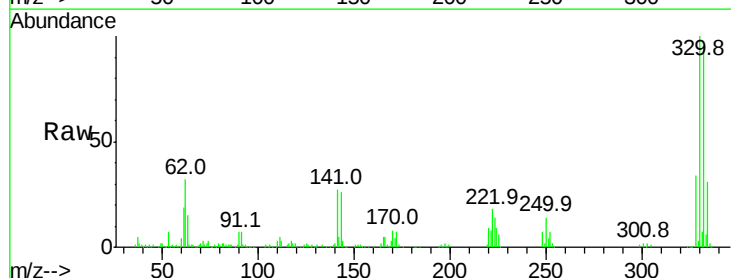


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

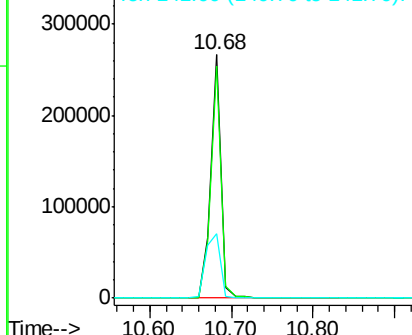
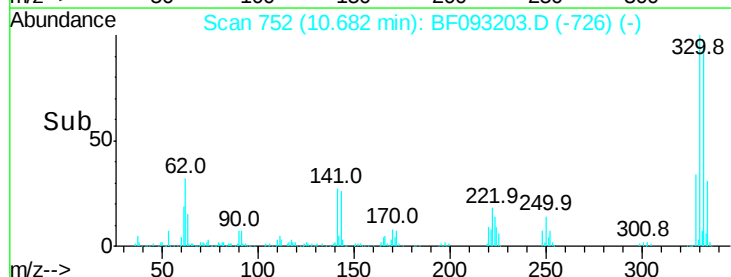


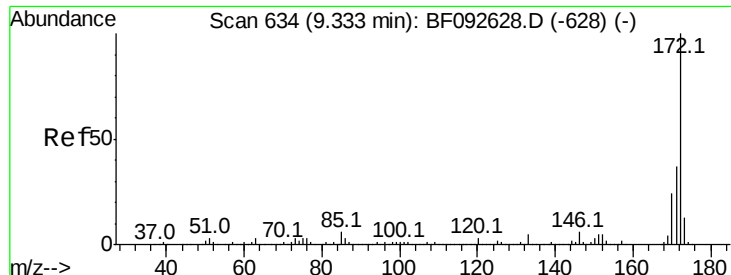
#41
 2,4,6-Tribromophenol
 Concen: 114.56 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: BF093203.D
 Acq: 27 Feb 2017 12:37

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.4	116.2
141	39.1	34.1	51.1



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

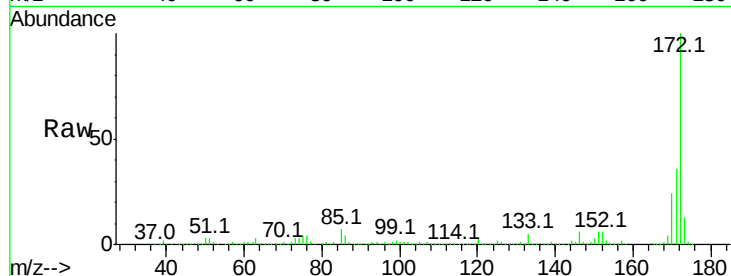




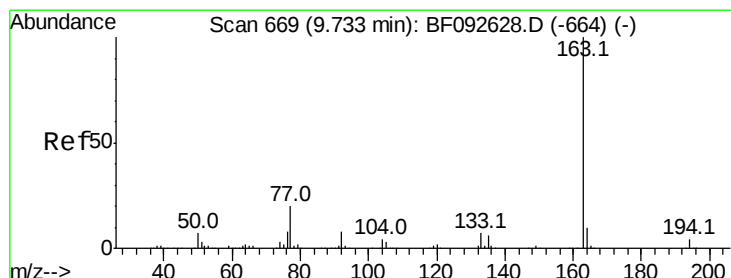
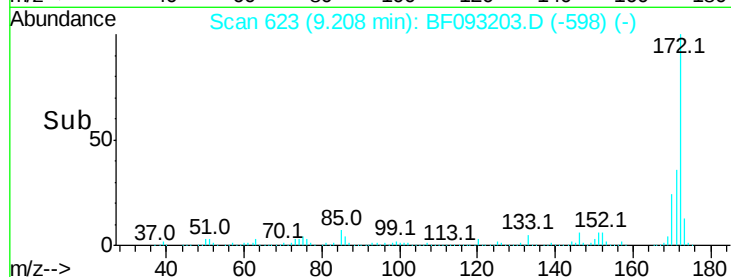
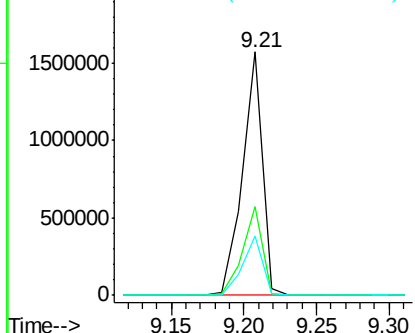
#44
 2-Fluorobiphenyl
 Concen: 93.02 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF093203.D
 Acq: 27 Feb 2017 12:37

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

Tot Ion:172 Resp: 1500458
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.4 44.0
 170 24.2 20.2 30.4

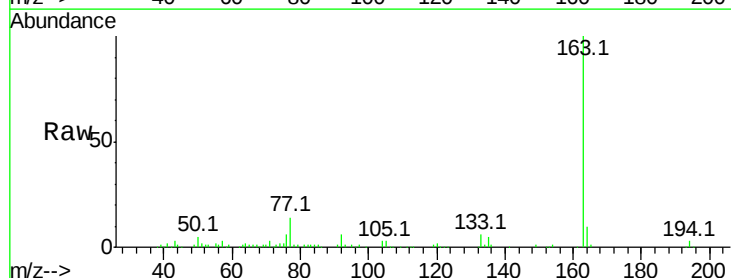


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

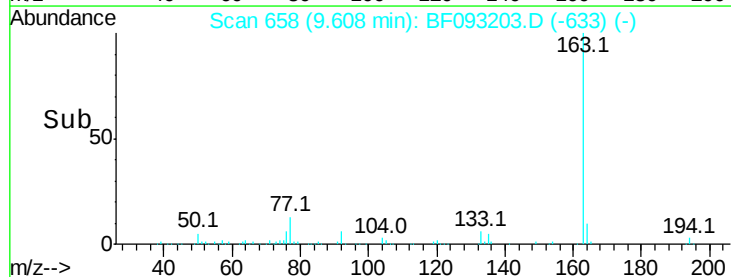
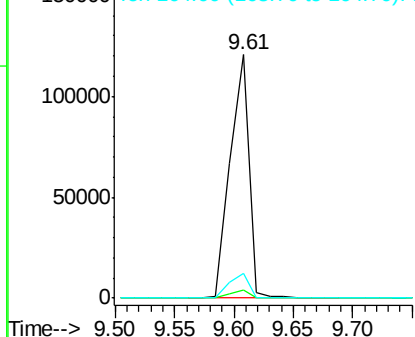


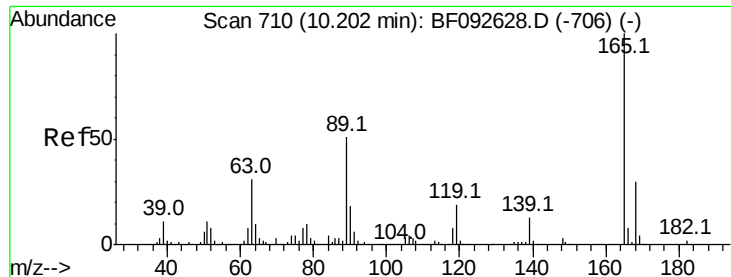
#49
 Dimethylphthalate
 Concen: 6.72 ng
 RT: 9.61 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: BF093203.D
 Acq: 27 Feb 2017 12:37

Tgt Ion:163 Resp: 132255
 Ion Ratio Lower Upper
 163 100
 194 3.5 3.0 4.4
 164 10.2 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: 6.61 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.21 min

Lab File: BF093203.D

Acq: 27 Feb 2017 12:37

Instrument :

BNA_F

ClientSampleId :

CLP-B-01(0-5)

Tot Ion:165 Resp: 37395

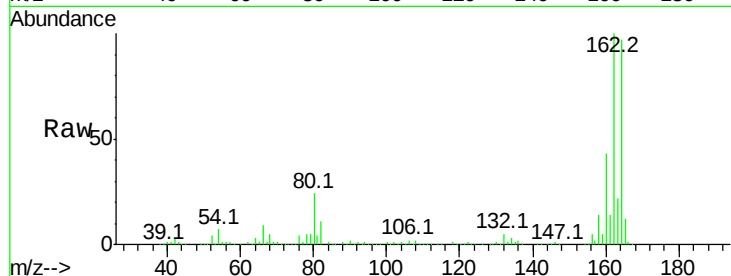
Ion Ratio Lower Upper

165 100

63 1.5 40.2 60.4#

89 2.0 62.5 93.7#

182 0.0 1.8 2.8#

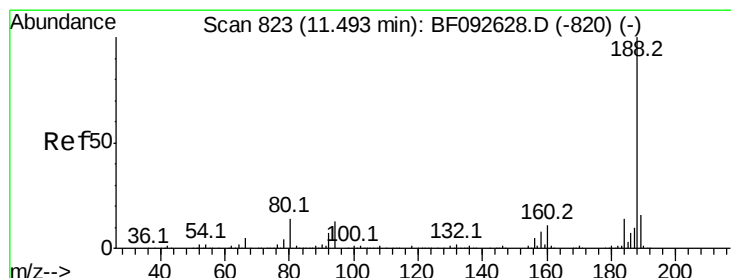
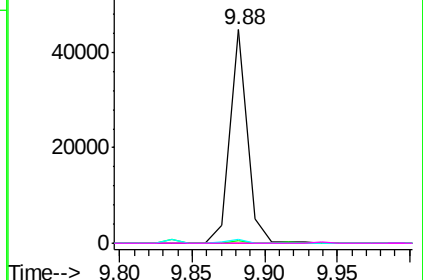
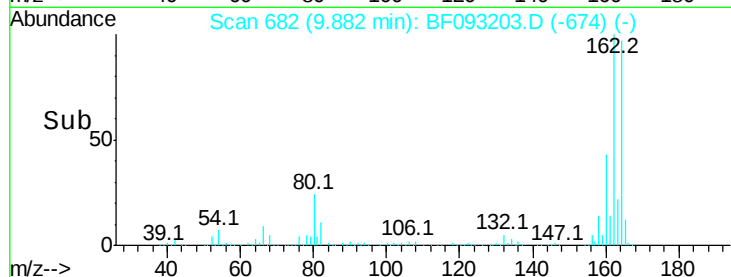


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.37 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF093203.D

Acq: 27 Feb 2017 12:37

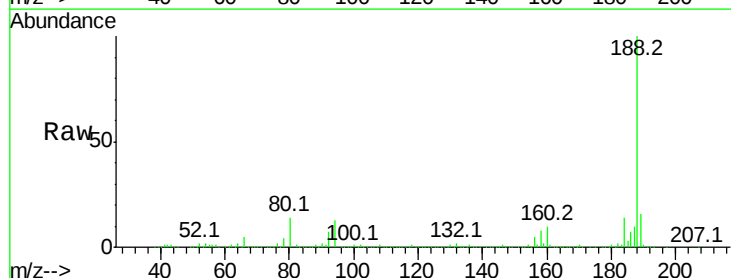
Tgt Ion:188 Resp: 442457

Ion Ratio Lower Upper

188 100

94 12.9 10.0 15.0

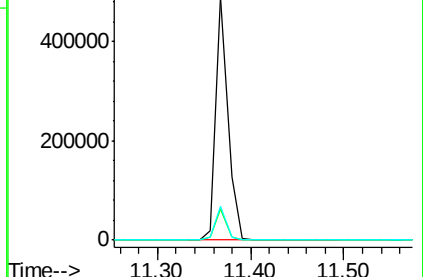
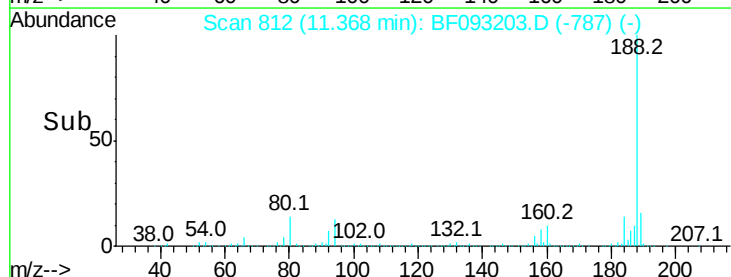
80 13.9 11.2 16.8

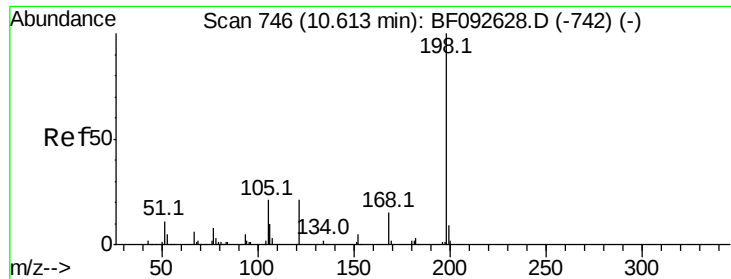


Abundance Ion 188.00 (187.70 to 188.70): E

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: 2.93 ng

RT: 10.68 min Scan# 752

Delta R.T. 0.18 min

Lab File: BF093203.D

Acq: 27 Feb 2017 12:37

Instrument :

BNA_F

ClientSampleId :

CLP-B-01(0-5)

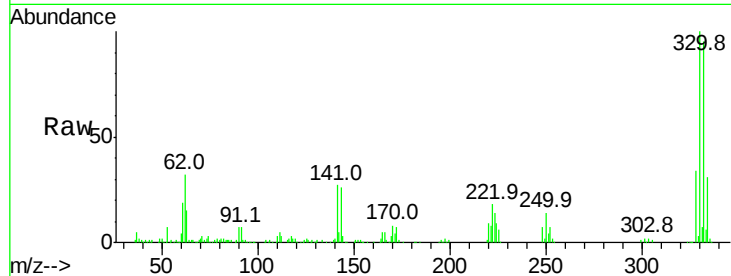
Tot Ion:198 Resp: 756

Ion Ratio Lower Upper

198 100

51 134.5 6.7 46.7#

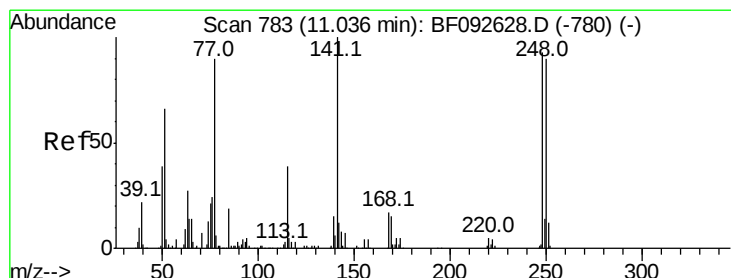
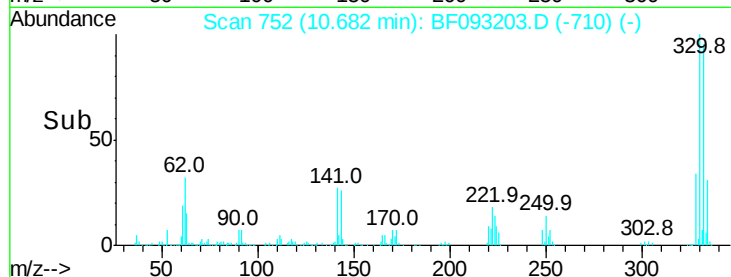
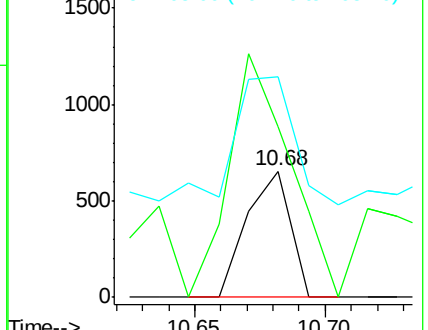
105 173.9 16.6 56.6#



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: 3.79 ng

RT: 10.68 min Scan# 752

Delta R.T. -0.24 min

Lab File: BF093203.D

Acq: 27 Feb 2017 12:37

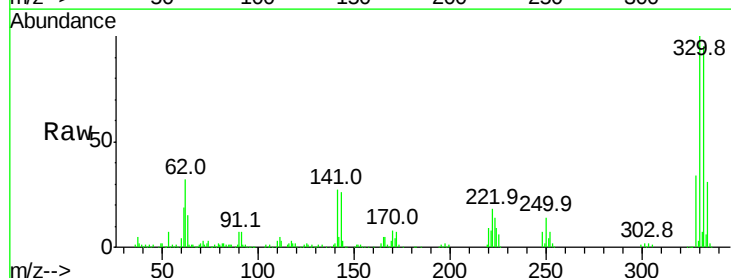
Tgt Ion:248 Resp: 17522

Ion Ratio Lower Upper

248 100

250 211.4 76.9 115.3#

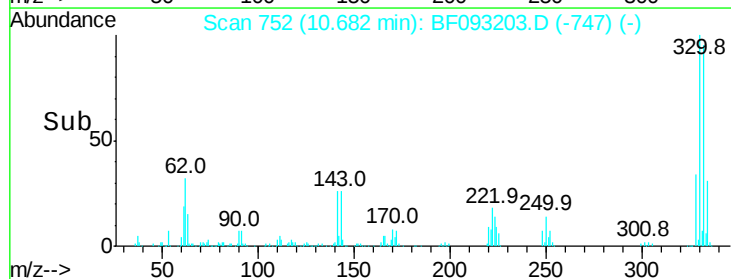
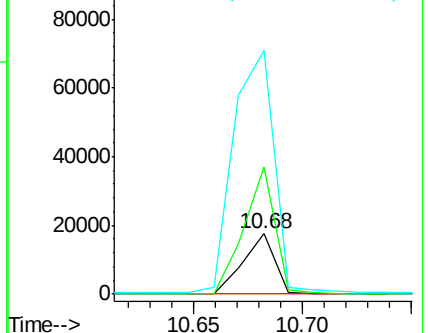
141 403.9 68.2 102.4#

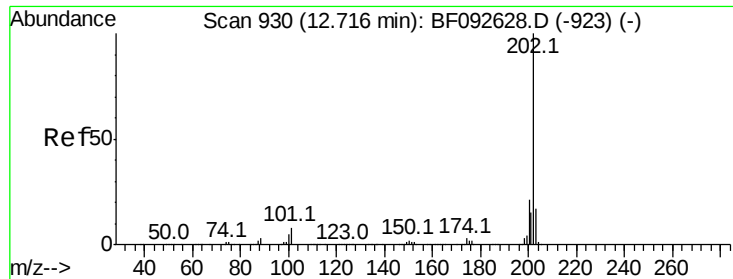


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

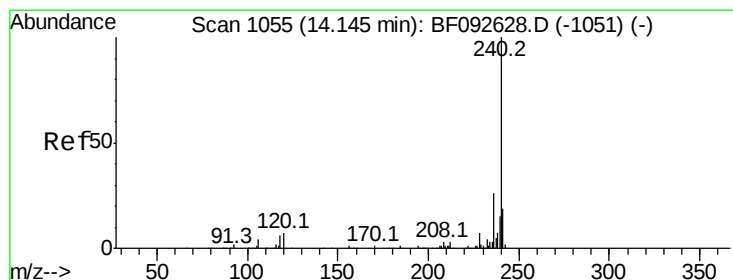
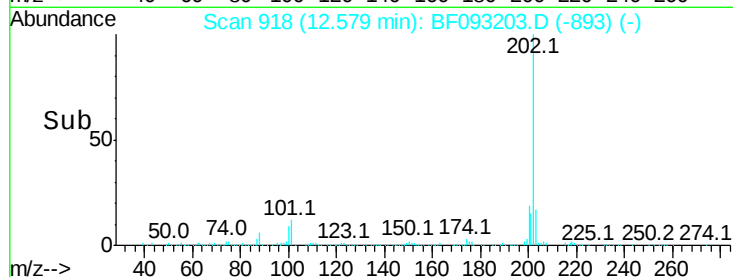
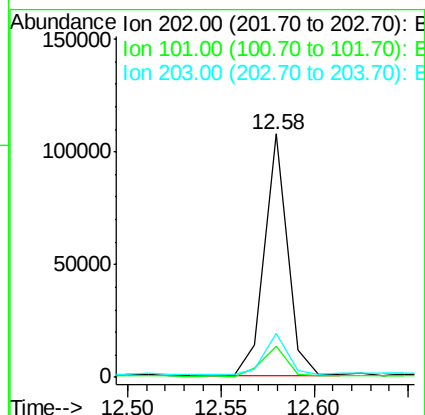
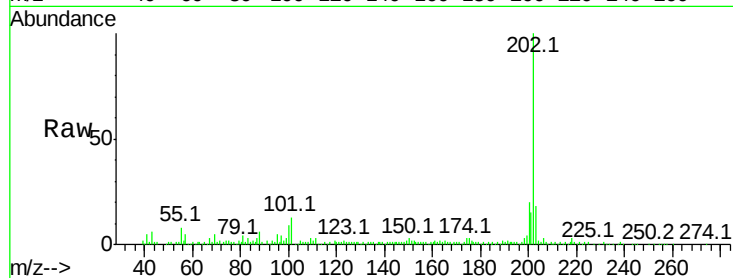




#74
 Fluoranthene
 Concen: 3.49 ng
 RT: 12.58 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: BF093203.D
 Acq: 27 Feb 2017 12:37

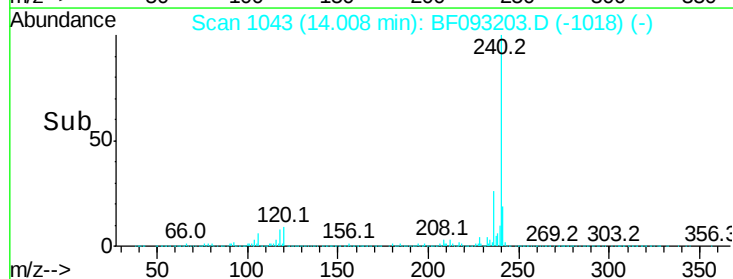
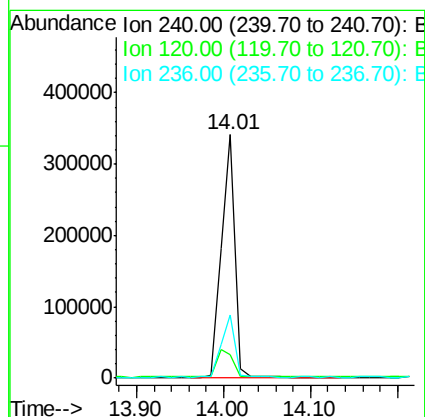
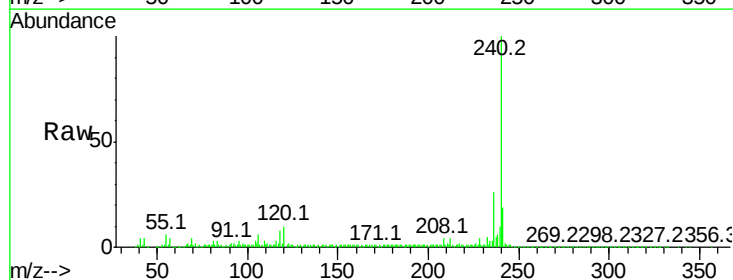
Instrument :
 BNA_F
 ClientSampleId :
 CLP-B-01(0-5)

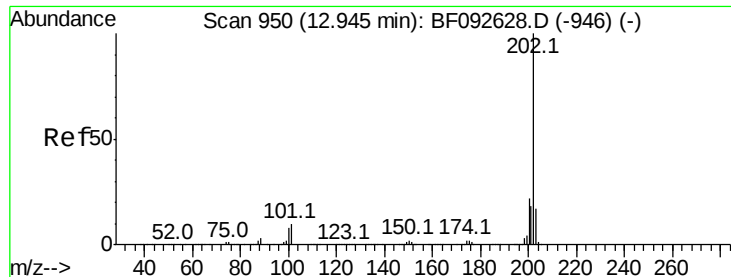
Tot Ion:	202	Resp:	91244
Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	34.6
203	18.0	0.0	38.7



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.01 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: BF093203.D
 Acq: 27 Feb 2017 12:37

Tgt Ion:	240	Resp:	373249
Ion	Ratio	Lower	Upper
240	100		
120	9.7	12.9	19.3#
236	26.1	20.9	31.3





#77

Pvrene

Concen: 3.97 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.01 min

Lab File: BF093203.D

Acq: 27 Feb 2017 12:37

Instrument :

BNA_F

ClientSampleId :

CLP-B-01(0-5)

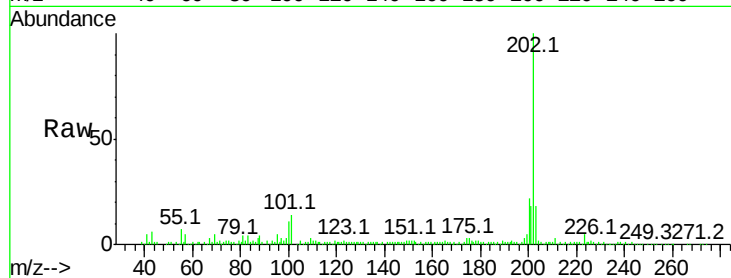
Tot Ion:202 Resp: 110971

Ion Ratio Lower Upper

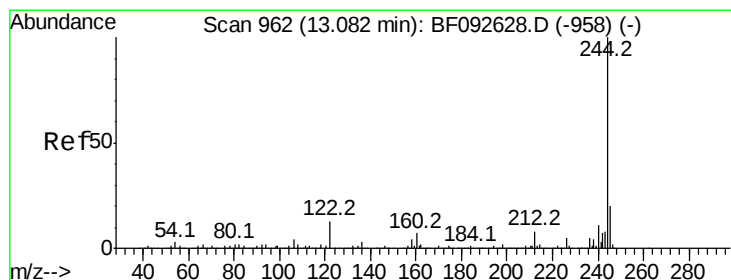
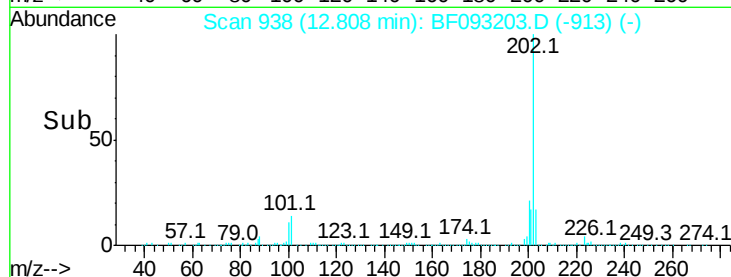
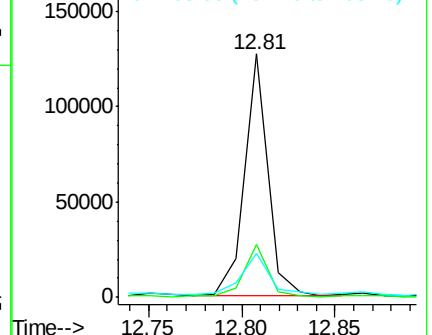
202 100

200 21.6 17.7 26.5

203 18.1 14.7 22.1



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: 65.15 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF093203.D

Acq: 27 Feb 2017 12:37

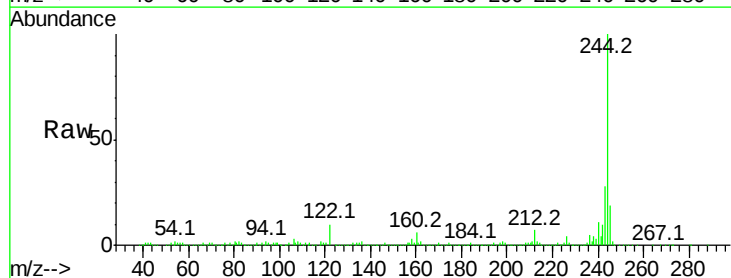
Tgt Ion:244 Resp: 1034990

Ion Ratio Lower Upper

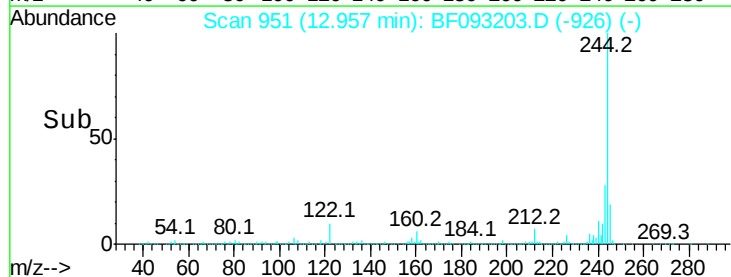
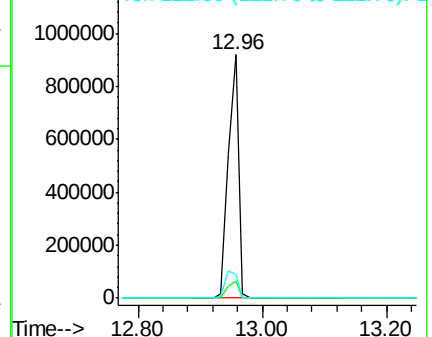
244 100

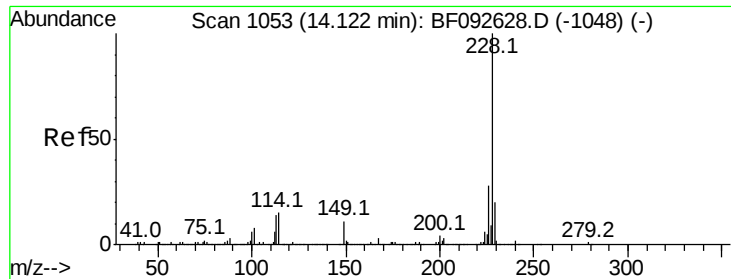
212 7.2 6.2 9.2

122 9.8 11.4 17.2#



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

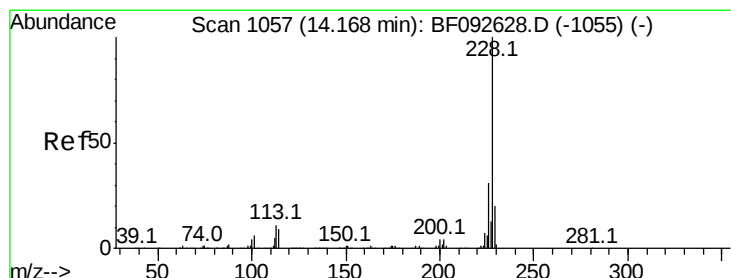
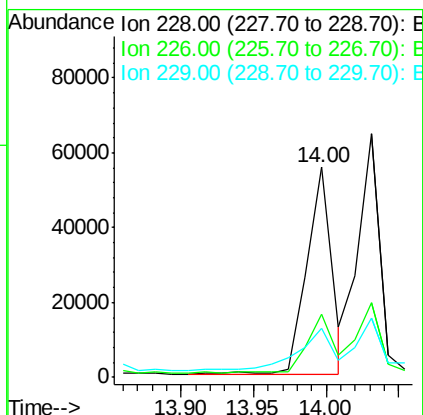
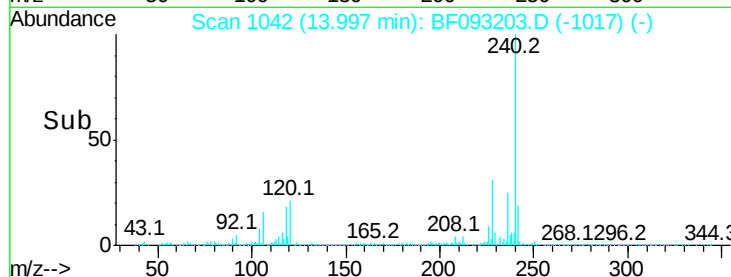
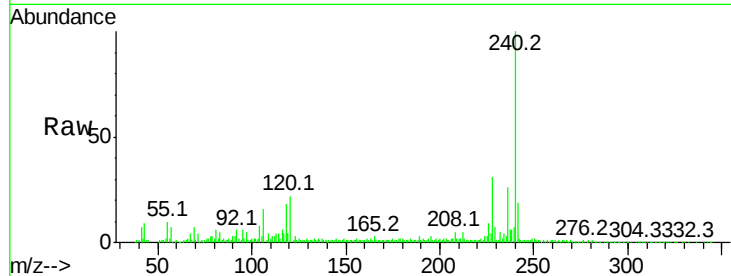




#80
Benzo(a)anthracene
Concen: 2.94 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF093203.D
Acq: 27 Feb 2017 12:37

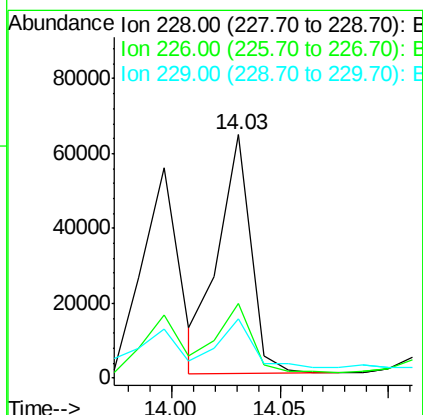
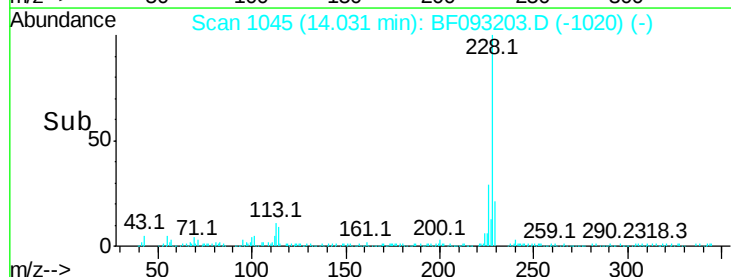
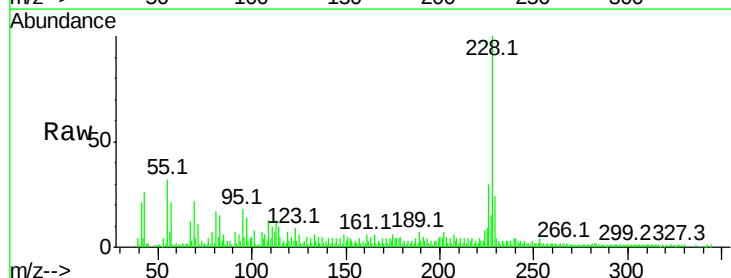
Instrument :
BNA_F
ClientSampleId :
CLP-B-01(0-5)

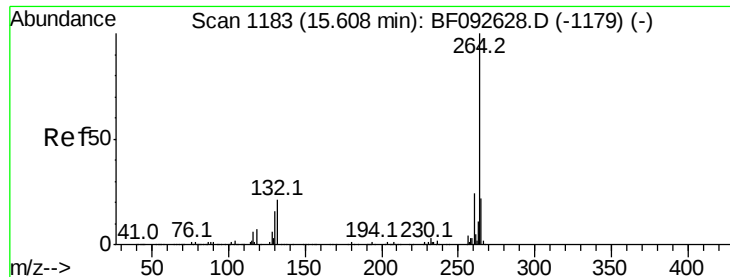
Tot Ion:228 Resp: 67019
Ion Ratio Lower Upper
228 100
226 30.0 22.4 33.6
229 23.3 16.2 24.4



#82
Chrysene
Concen: 3.08 ng
RT: 14.03 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BF093203.D
Acq: 27 Feb 2017 12:37

Tgt Ion:228 Resp: 65852
Ion Ratio Lower Upper
228 100
226 30.5 25.4 38.0
229 24.1 16.2 24.2

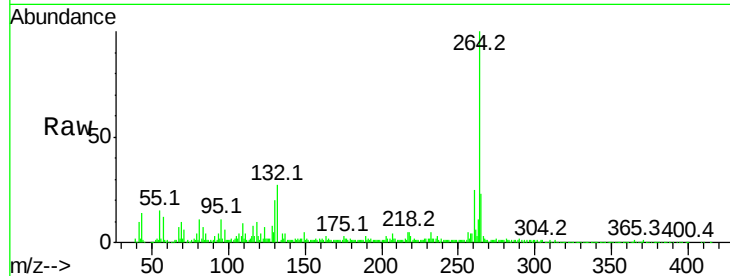




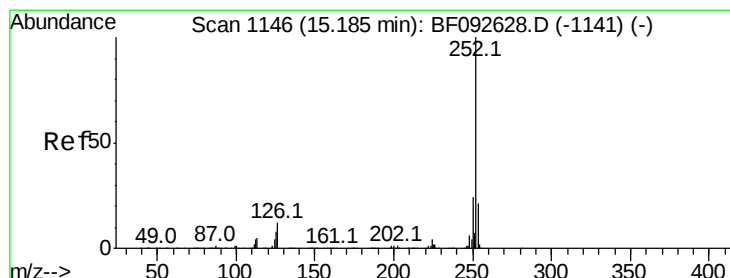
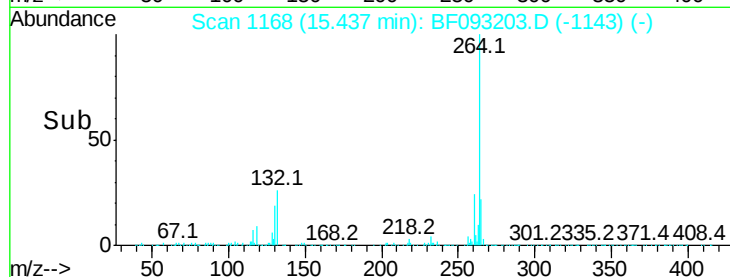
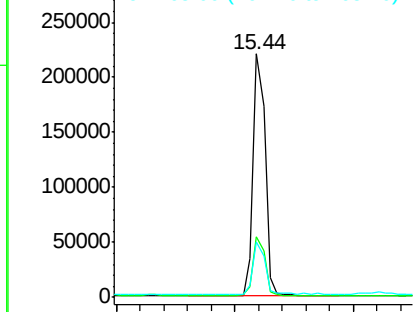
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF093203.D
Acq: 27 Feb 2017 12:37

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

Tot Ion:264 Resp: 312035
Ion Ratio Lower Upper
264 100
260 24.9 19.2 28.8
265 23.0 17.4 26.0

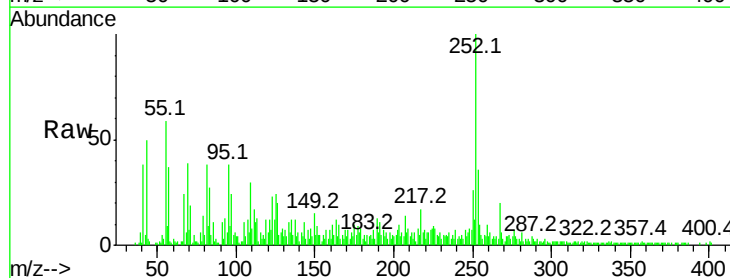


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

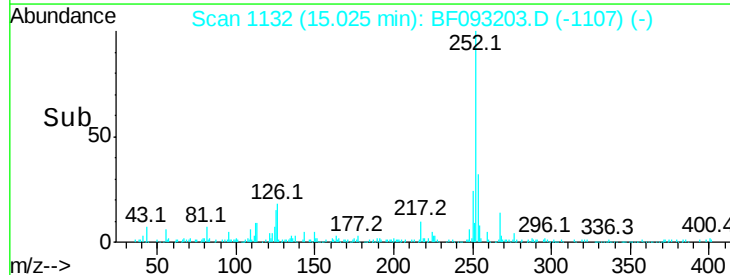
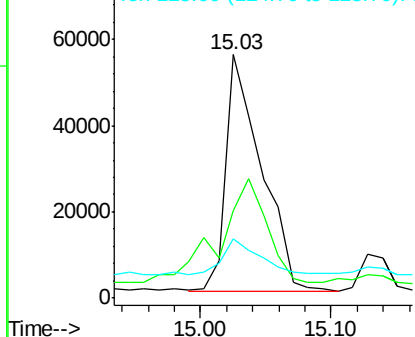


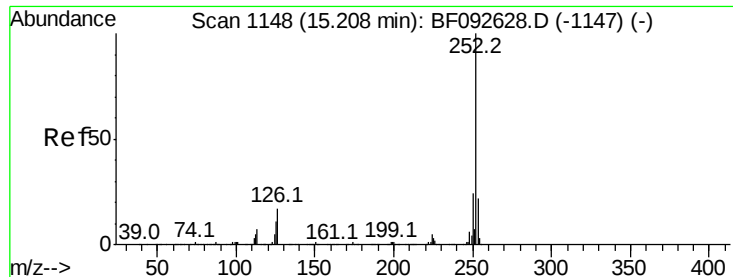
#87
Benzo(b)fluoranthene
Concen: 5.07 ng
RT: 15.03 min Scan# 1132
Delta R.T. -0.01 min
Lab File: BF093203.D
Acq: 27 Feb 2017 12:37

Tgt Ion:252 Resp: 104148
Ion Ratio Lower Upper
252 100
253 36.2 18.2 27.4#
125 24.2 9.8 14.6#



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: 5.87 ng

RT: 15.03 min Scan# 1132

Delta R.T. -0.05 min

Lab File: BF093203.D

Acq: 27 Feb 2017 12:37

Instrument :

BNA_F

ClientSampleId :

CLP-B-01(0-5)

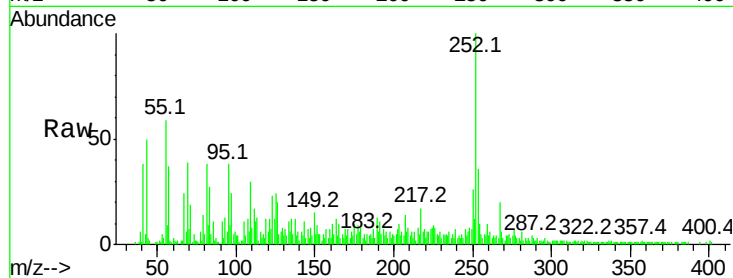
Tot Ion:252 Resp: 104148

Ion Ratio Lower Upper

252 100

253 36.2 18.5 27.7#

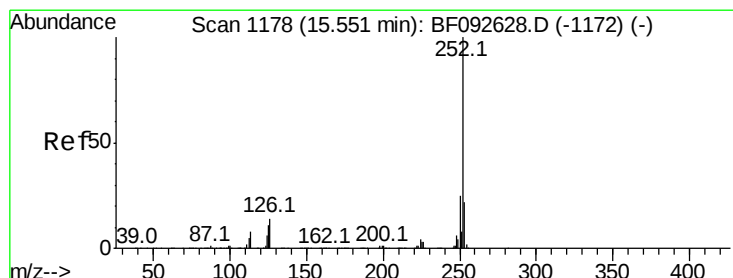
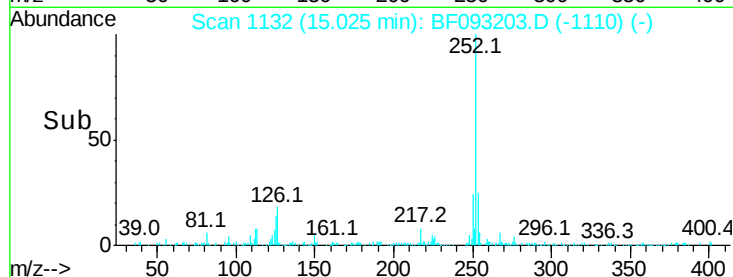
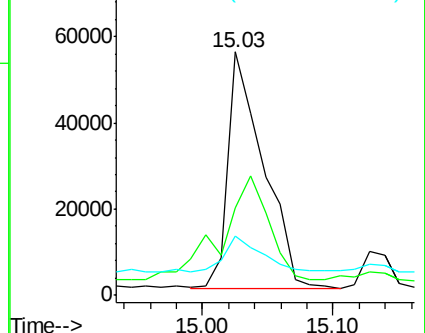
125 24.2 8.9 13.3#



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: 2.93 ng

RT: 15.38 min Scan# 1163

Delta R.T. -0.01 min

Lab File: BF093203.D

Acq: 27 Feb 2017 12:37

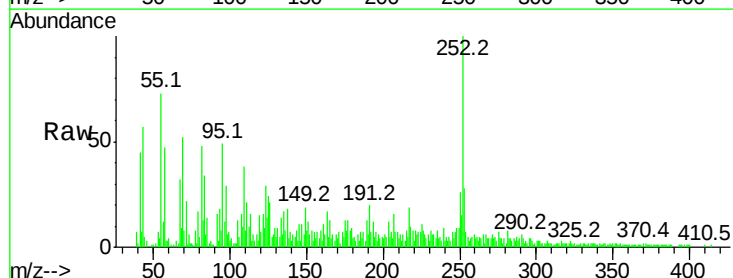
Tgt Ion:252 Resp: 52071

Ion Ratio Lower Upper

252 100

253 28.5 18.2 27.2#

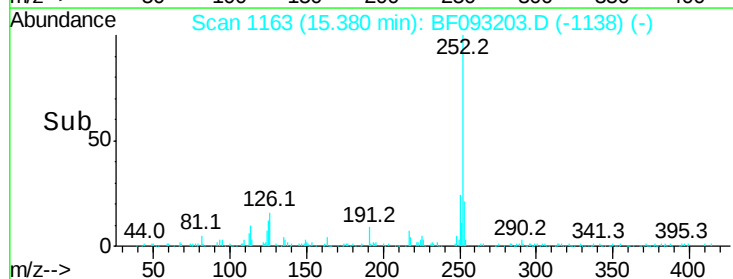
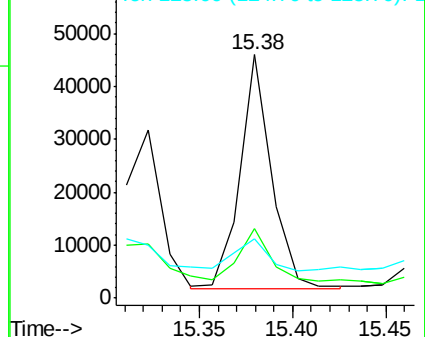
125 24.3 10.0 15.0#

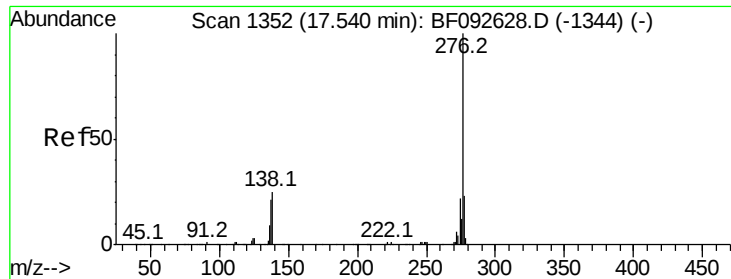


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

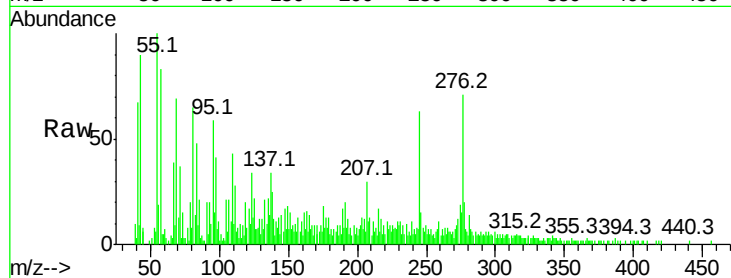




#91
 Benzo(a,h,i)perylene
 Concen: 2.15 ng
 RT: 17.29 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: BF093203.D
 Acq: 27 Feb 2017 12:37

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.8	19.2	28.8
138	35.0	16.0	24.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

