

Data File : BF093196.D
Acq On : 25 Feb 2017 16:50
Operator : SJ/MA
Sample : I1973-13
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-3

Quant Time: Feb 26 23:44:43 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	6.84	152	159821	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	592622	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	272505	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	407439	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	319112	20.00	ng	-0.01
86) Perylene-d12	15.45	264	244050	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1004155	107.79	ng	0.00
7) Phenol-d6	6.50	99	1362727	113.69	ng	0.01
23) Nitrobenzene-d5	7.41	82	756022	71.04	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	177536	90.08	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1323406	87.98	ng	-0.01
78) Terphenyl-d14	12.96	244	735699	54.17	ng	-0.01

Target Compounds						Qvalue
10) Phenol	6.51	94	91649	6.54	ng	# 63
19) n-Nitroso-di-n-propylamine	7.41	70	101195	13.26	ng	# 76
25) Isophorone	7.41	82	732596	36.94	ng	# 65
49) Dimethylphthalate	9.61	163	408624	22.26	ng	98
56) 2,4-Dinitrotoluene	9.88	165	34030	6.45	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.67	198	455	2.84	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	11903	2.80	ng	# 1
70) Phenanthrene	11.39	178	287886	12.33	ng	97
71) Anthracene	11.45	178	68328	2.91	ng	95
74) Fluoranthene	12.58	202	424575	17.63	ng	95
77) Pyrene	12.81	202	396744	16.61	ng	98
80) Benzo(a)anthracene	14.01	228	229488	11.76	ng	97
82) Chrysene	14.01	228	229488	12.56	ng	98
87) Benzo(b)fluoranthene	15.04	252	276899	17.24	ng	97
88) Benzo(k)fluoranthene	15.04	252	276899	19.96	ng	# 96
89) Benzo(a)pyrene	15.39	252	145355	10.46	ng	99
91) Benzo(g,h,i)perylene	17.29	276	69551	6.13	ng	# 89

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

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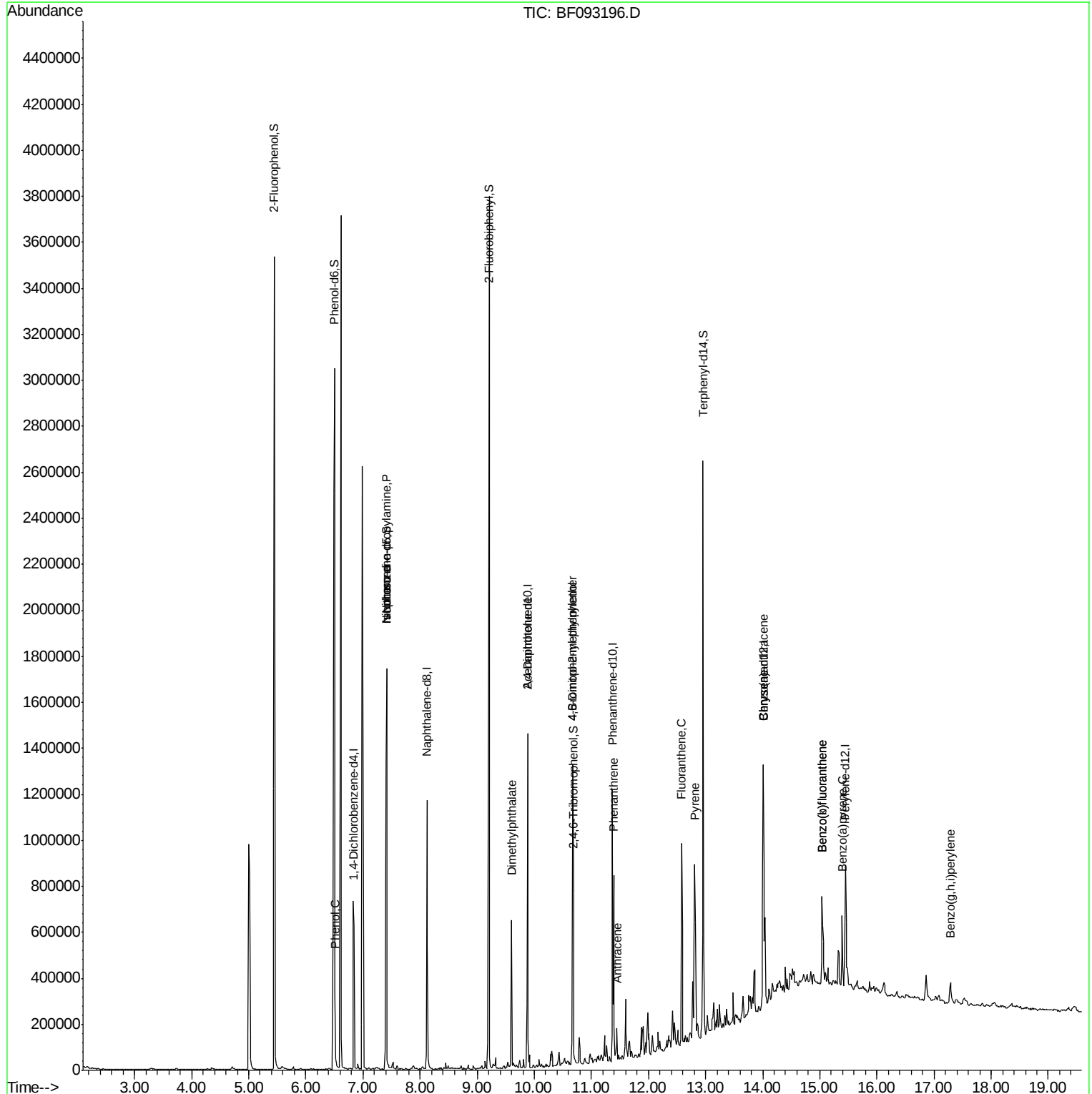
Quant Time: Feb 26 23:44:43 2017

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.01 min

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Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-3

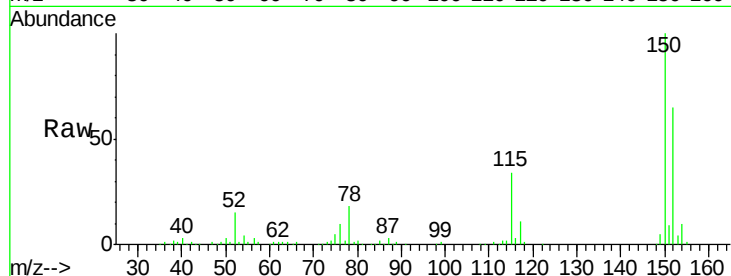
Tgt Ion:152 Resp: 159821

Ion Ratio Lower Upper

152 100

150 154.0 124.9 187.3

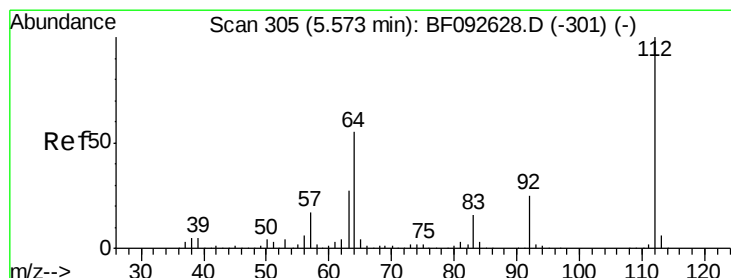
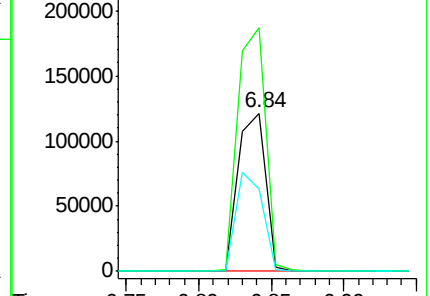
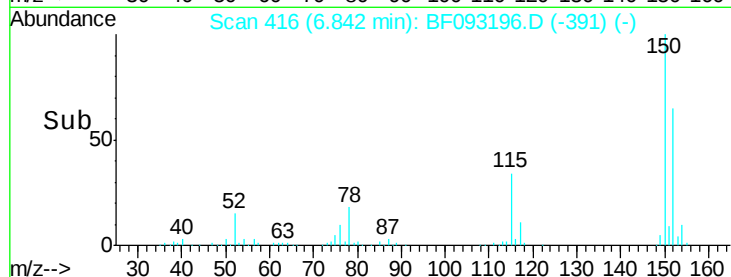
115 52.0 46.0 69.0



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: 107.79 ng

RT: 5.45 min Scan# 294

Delta R.T. -0.00 min

Lab File: BF093196.D

Acq: 25 Feb 2017 16:50

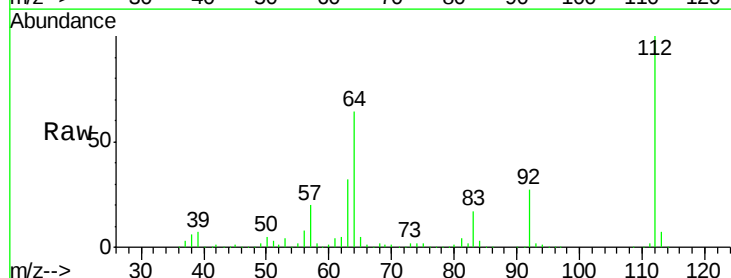
Tgt Ion:112 Resp: 1004155

Ion Ratio Lower Upper

112 100

64 63.6 46.1 69.1

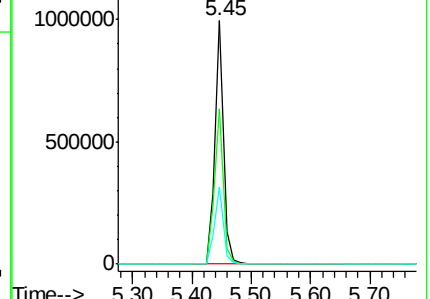
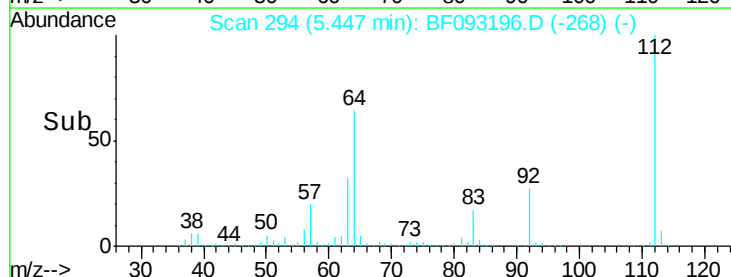
63 31.7 23.8 35.6



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: 113.69 ng

RT: 6.50 min Scan# 386

Delta R.T. 0.01 min

Lab File: BF093196.D

Acq: 25 Feb 2017 16:50

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-3

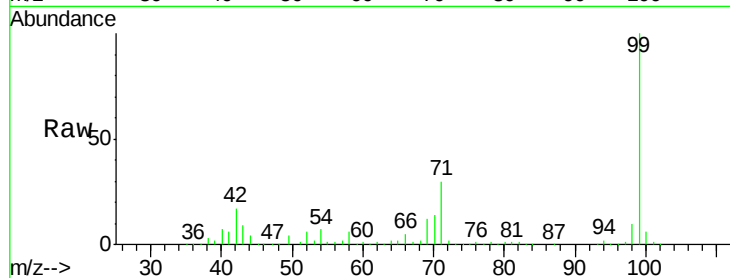
Tgt Ion: 99 Resp: 1362727

Ion Ratio Lower Upper

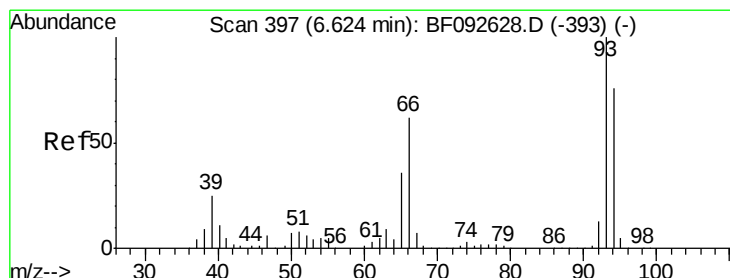
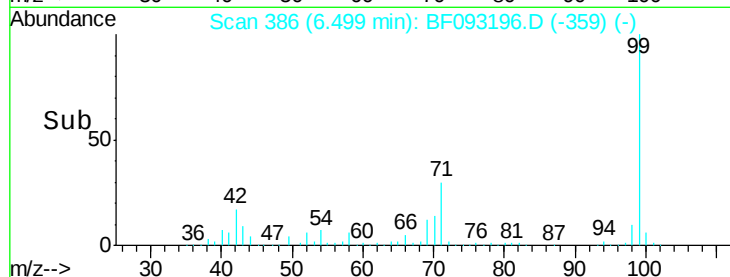
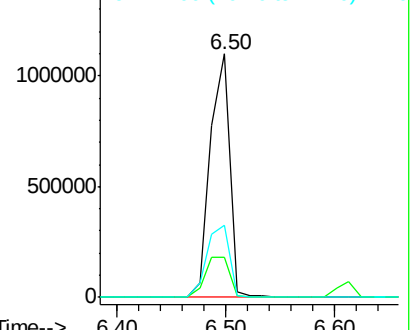
99 100

42 16.7 15.6 23.4

71 29.7 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: 6.54 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.00 min

Lab File: BF093196.D

Acq: 25 Feb 2017 16:50

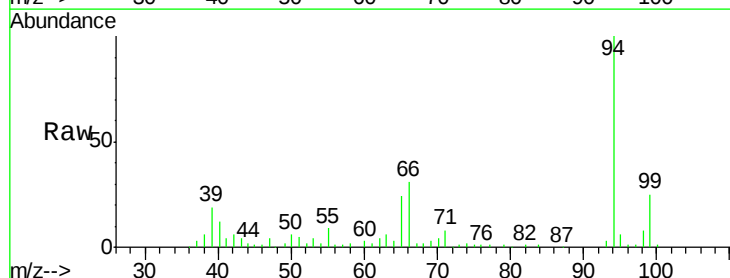
Tgt Ion: 94 Resp: 91649

Ion Ratio Lower Upper

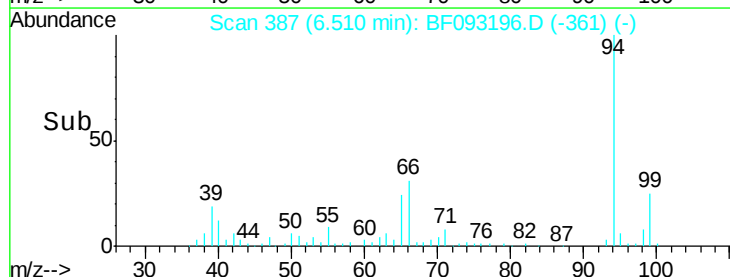
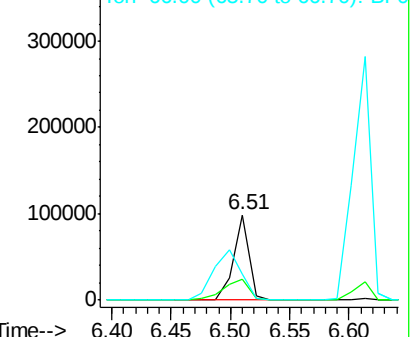
94 100

65 23.8 21.4 61.4

66 30.9 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

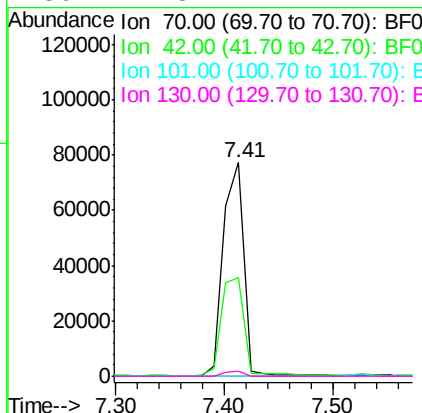
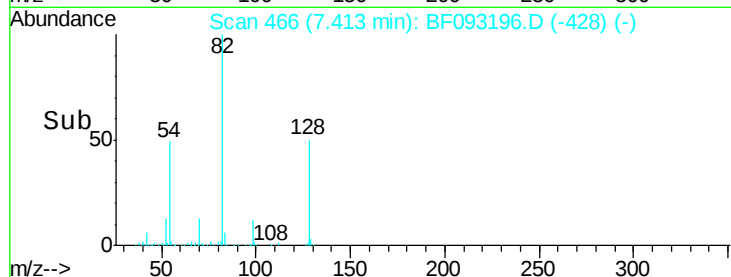
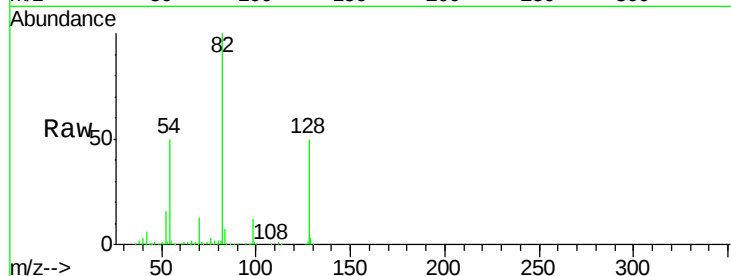




#19
n-Nitroso-di-n-propylamine
Concen: 13.26 ng
RT: 7.41 min Scan# 466
Delta R.T. 0.14 min
Lab File: BF093196.D
Acq: 25 Feb 2017 16:50

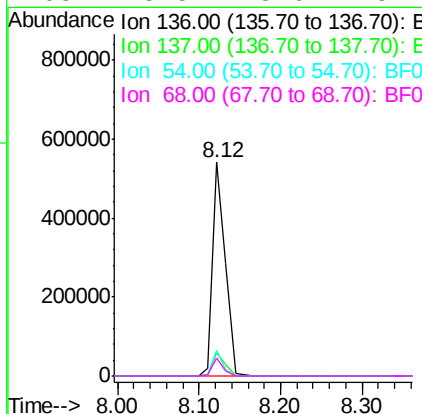
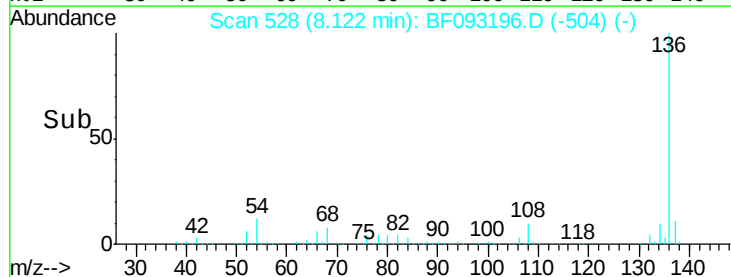
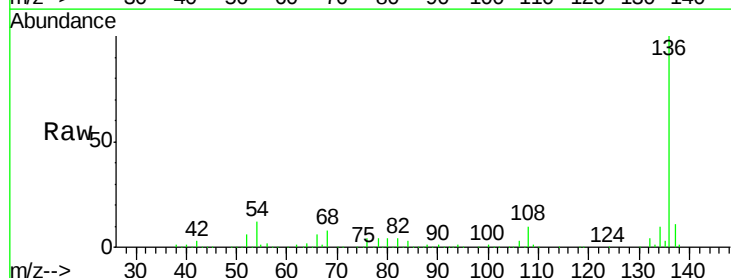
Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-3

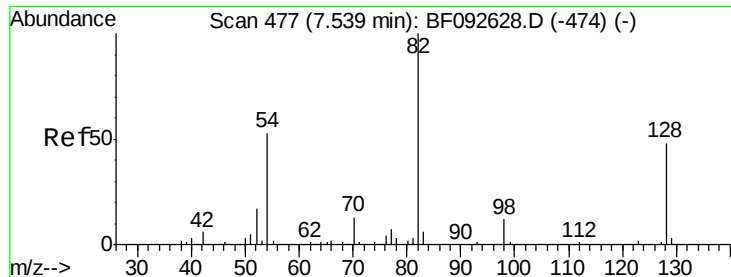
Tgt Ion: 70 Resp: 101195
Ion Ratio Lower Upper
70 100
42 46.4 49.4 74.0#
101 0.0 7.4 11.2#
130 2.3 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093196.D
Acq: 25 Feb 2017 16:50

Tgt Ion: 136 Resp: 592622
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 12.1 4.5 6.7#
68 8.5 3.6 5.4#

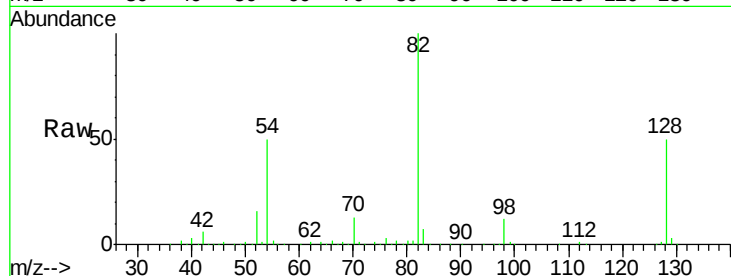




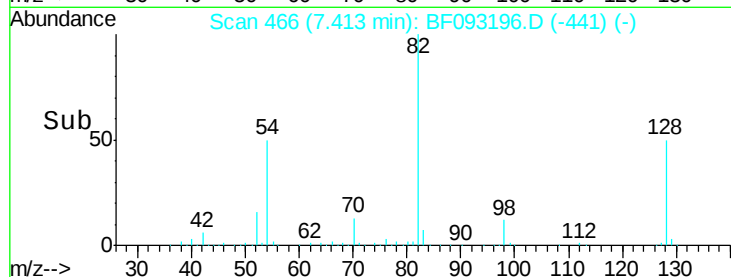
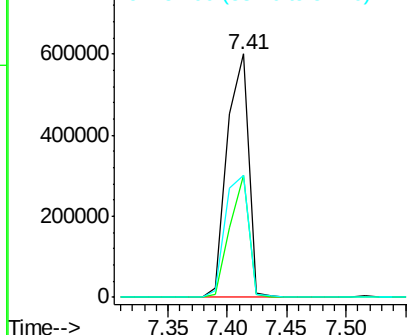
#23
Nitrobenzene-d5
Concen: 71.04 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.01 min
Lab File: BF093196.D
Acq: 25 Feb 2017 16:50

Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-3

Tgt Ion: 82 Resp: 756022
Ion Ratio Lower Upper
82 100
128 50.2 34.6 52.0
54 50.1 39.5 59.3

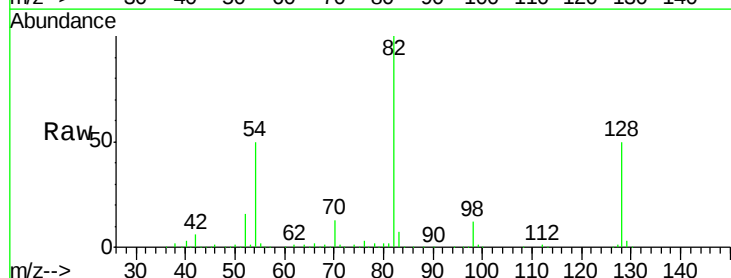


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

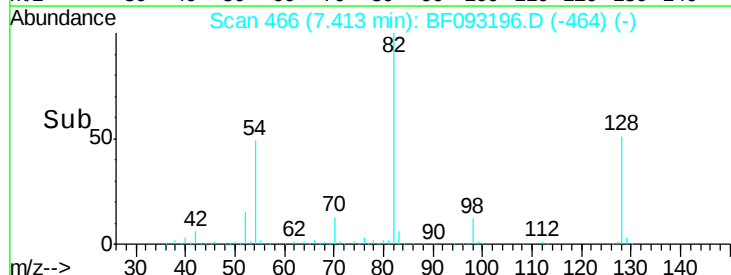
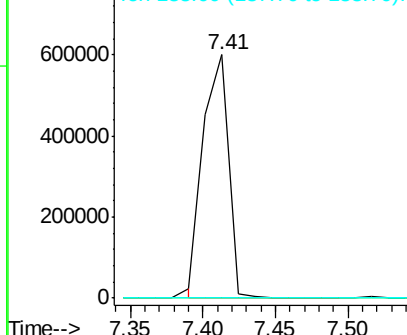


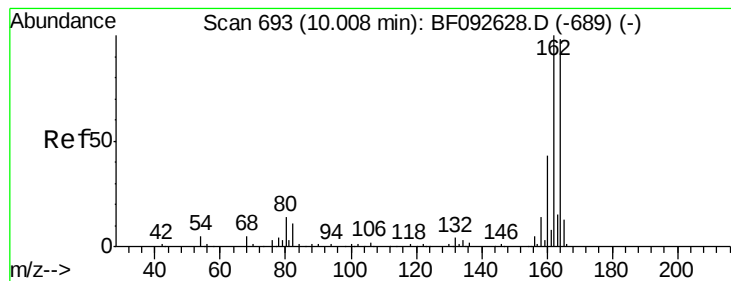
#25
Isophorone
Concen: 36.94 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.27 min
Lab File: BF093196.D
Acq: 25 Feb 2017 16:50

Tgt Ion: 82 Resp: 732596
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF093196.D

Acq: 25 Feb 2017 16:50

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-3

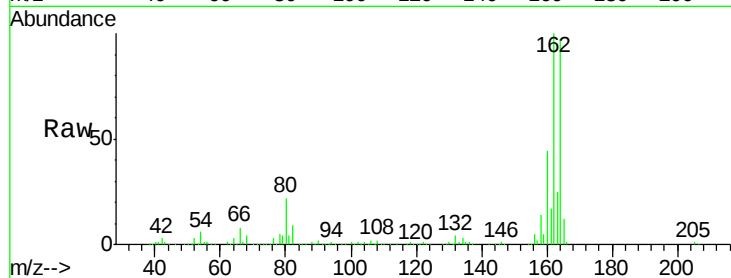
Tgt Ion:164 Resp: 272505

Ion Ratio Lower Upper

164 100

162 103.1 80.2 120.2

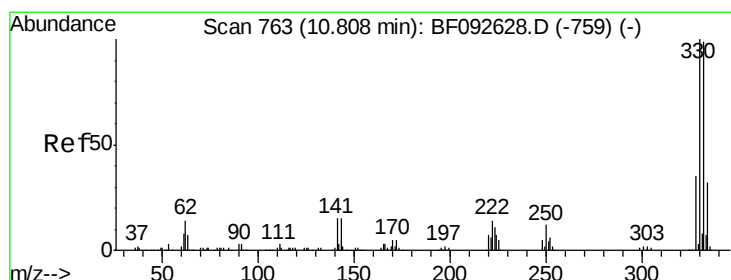
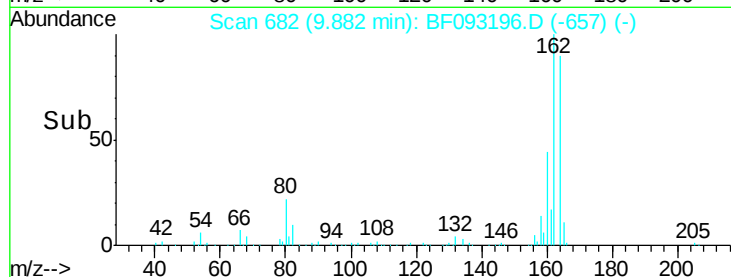
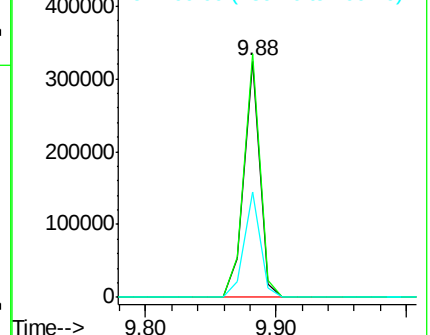
160 44.9 36.9 55.3



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: 90.08 ng

RT: 10.68 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF093196.D

Acq: 25 Feb 2017 16:50

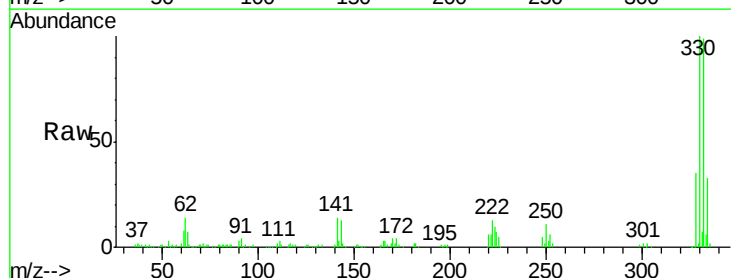
Tgt Ion:330 Resp: 177536

Ion Ratio Lower Upper

330 100

332 97.2 77.4 116.2

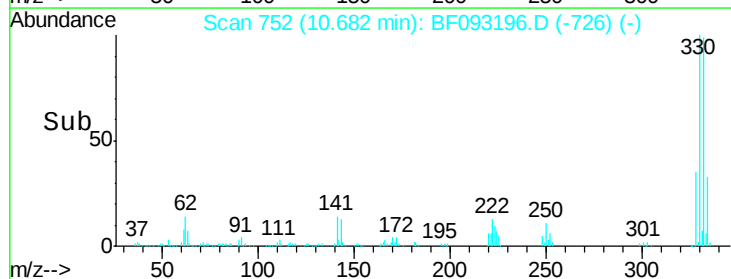
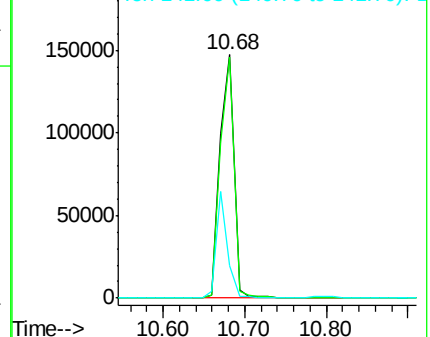
141 36.4 34.1 51.1

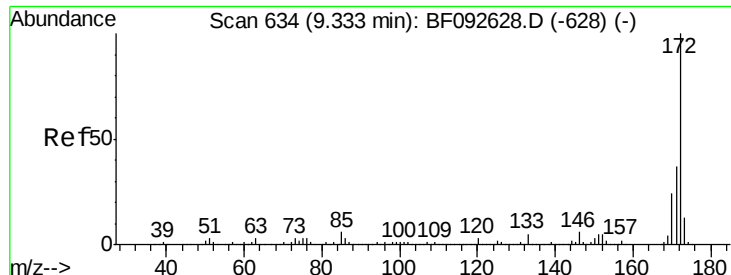


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

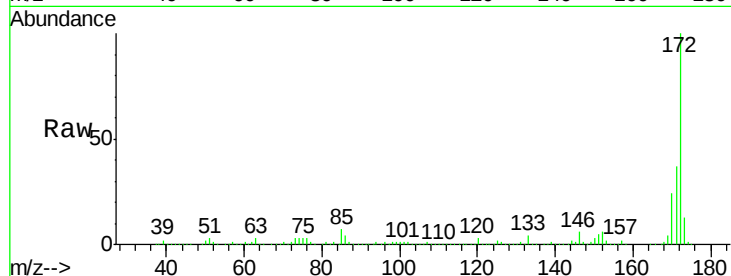




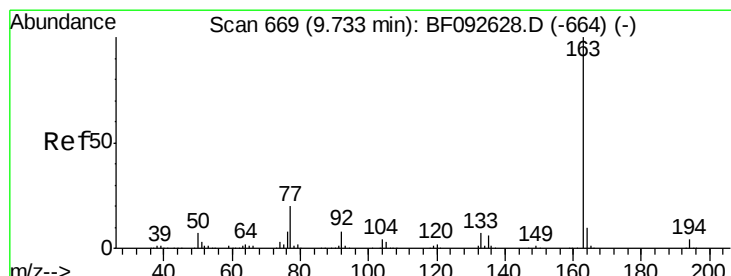
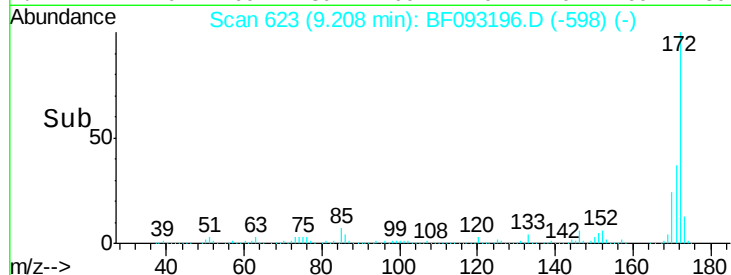
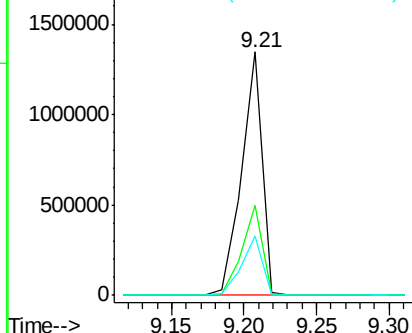
#44
2-Fluorobiphenyl
Concen: 87.98 ng
RT: 9.21 min Scan# 623
Delta R.T. -0.01 min
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Acq: 25 Feb 2017 16:50

Instrument :
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Tgt Ion:172 Resp: 1323406
Ion Ratio Lower Upper
172 100
171 37.0 29.4 44.0
170 24.4 20.2 30.4

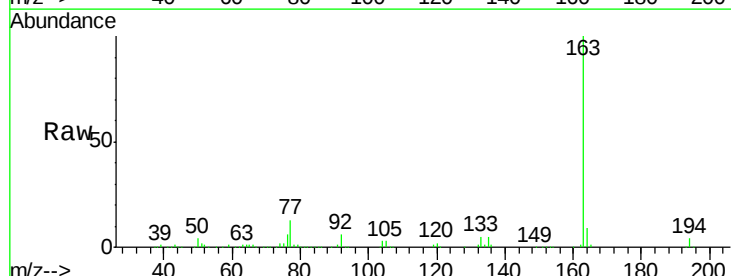


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

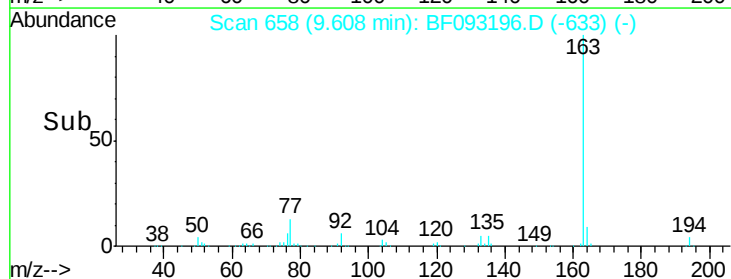
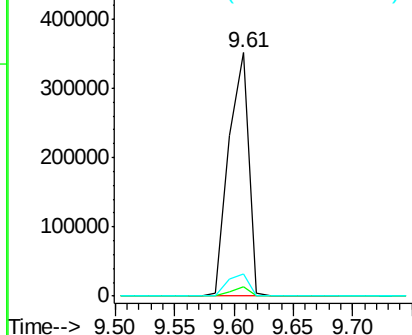


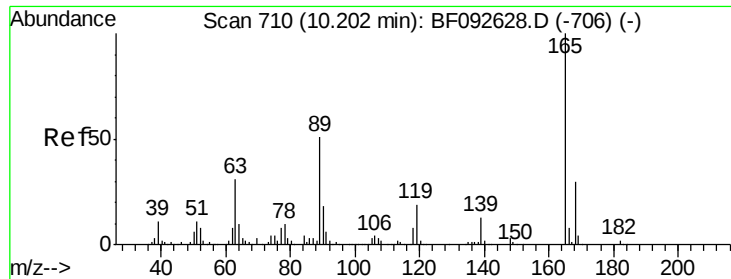
#49
Dimethylphthalate
Concen: 22.26 ng
RT: 9.61 min Scan# 658
Delta R.T. -0.01 min
Lab File: BF093196.D
Acq: 25 Feb 2017 16:50

Tgt Ion:163 Resp: 408624
Ion Ratio Lower Upper
163 100
194 4.0 3.0 4.4
164 9.2 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

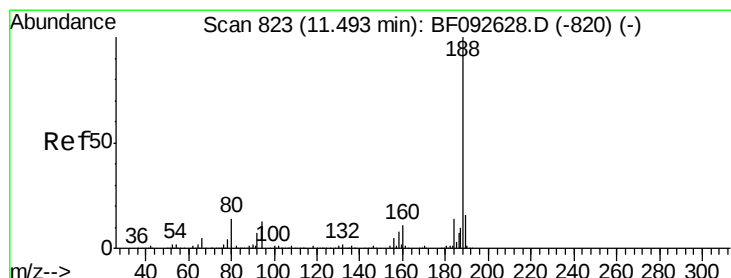
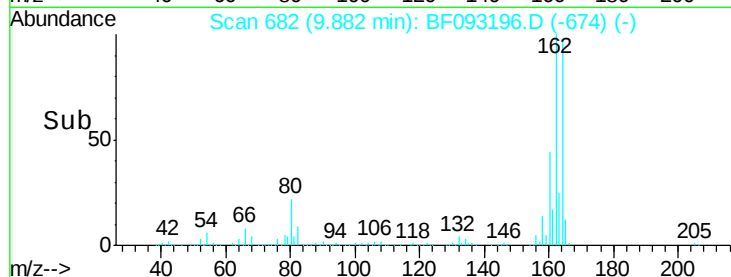
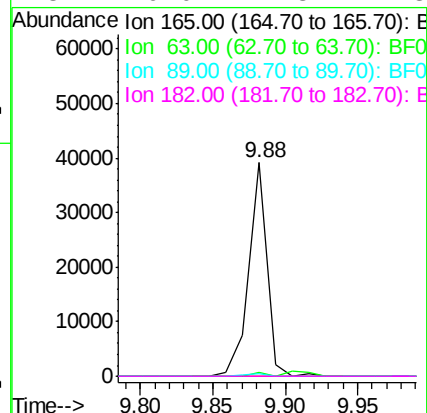
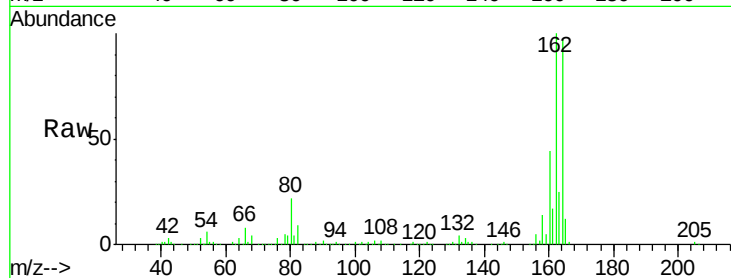




#56
 2,4-Dinitrotoluene
 Concen: 6.45 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.21 min
 Lab File: BF093196.D
 Acq: 25 Feb 2017 16:50

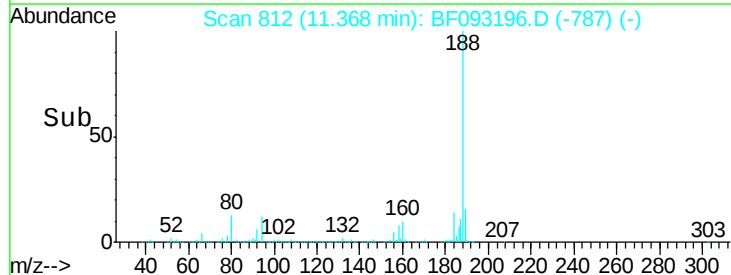
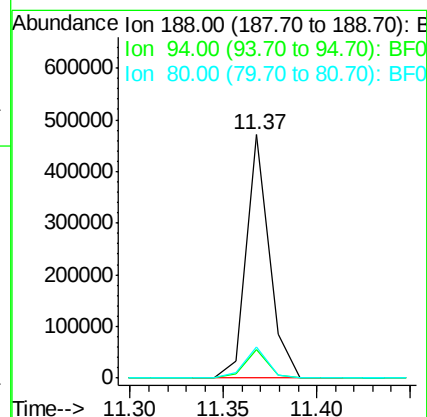
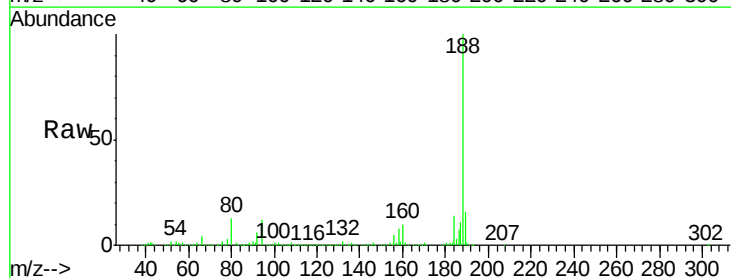
Instrument :
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 ClientSampleId :
 E2-B1-B2-BASE-3

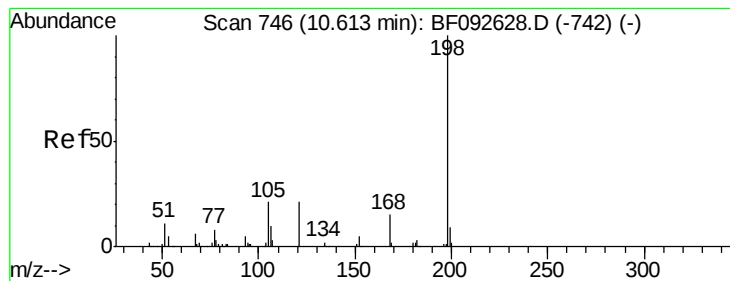
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	40.2	60.4#
89	1.5	62.5	93.7#
182	0.0	1.8	2.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF093196.D
 Acq: 25 Feb 2017 16:50

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.7	10.0	15.0
80	12.5	11.2	16.8





#64

4,6-Dinitro-2-methylphenol

Concen: 2.84 ng

RT: 10.67 min Scan# 751

Delta R.T. 0.17 min

Lab File: BF093196.D

Acq: 25 Feb 2017 16:50

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-3

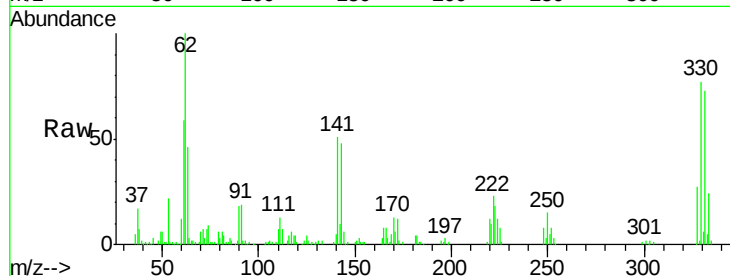
Tgt Ion:198 Resp: 455

Ion Ratio Lower Upper

198 100

51 423.4 6.7 46.7#

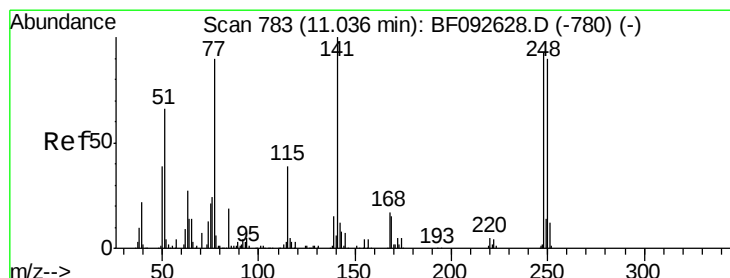
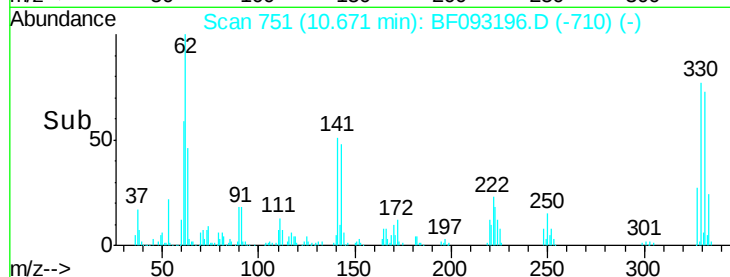
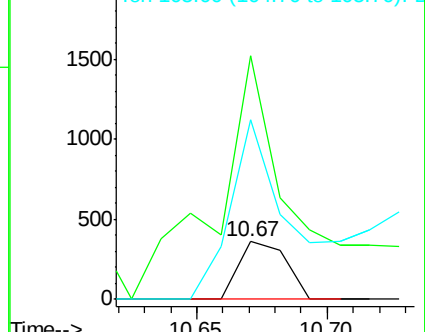
105 312.5 16.6 56.6#



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: 2.80 ng

RT: 10.67 min Scan# 751

Delta R.T. -0.25 min

Lab File: BF093196.D

Acq: 25 Feb 2017 16:50

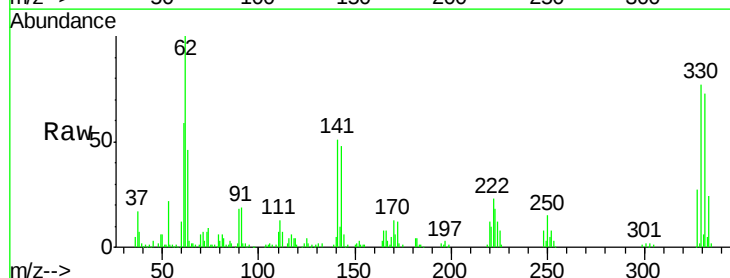
Tgt Ion:248 Resp: 11903

Ion Ratio Lower Upper

248 100

250 193.5 76.9 115.3#

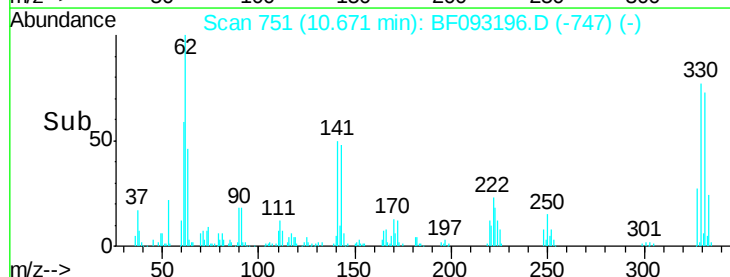
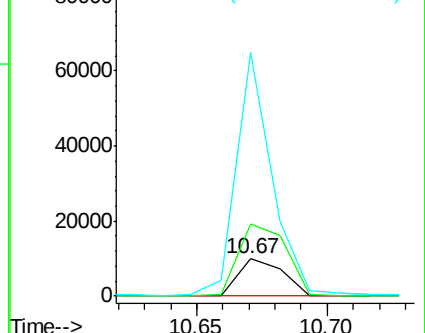
141 653.9 68.2 102.4#

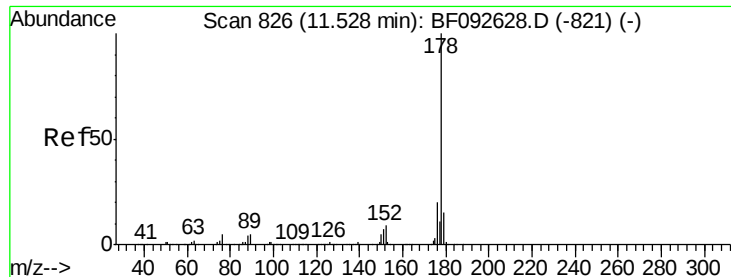


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

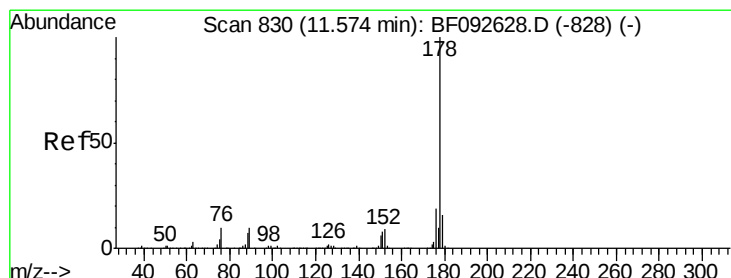
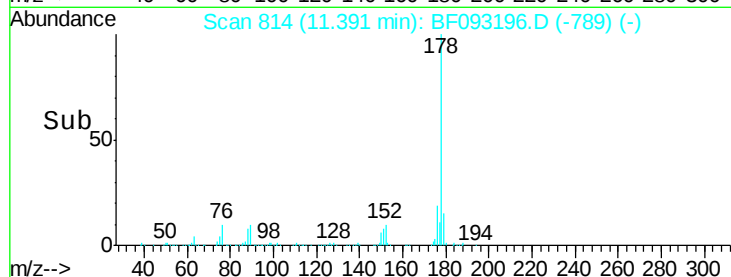
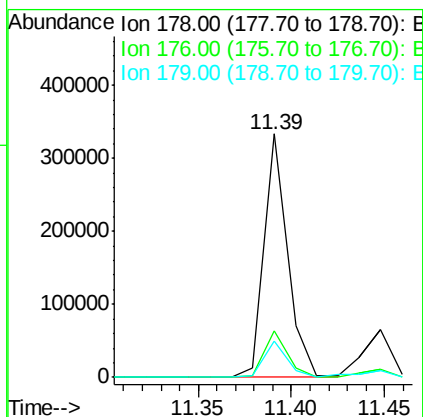
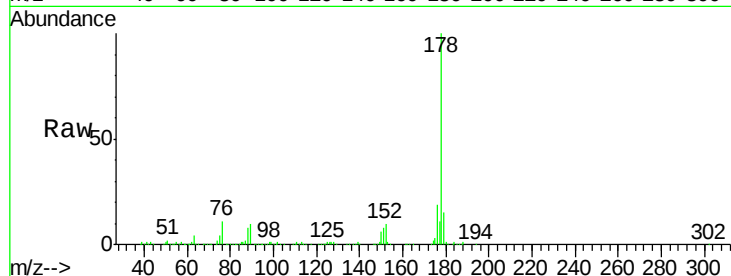




#70
Phenanthrene
Concen: 12.33 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF093196.D
Acq: 25 Feb 2017 16:50

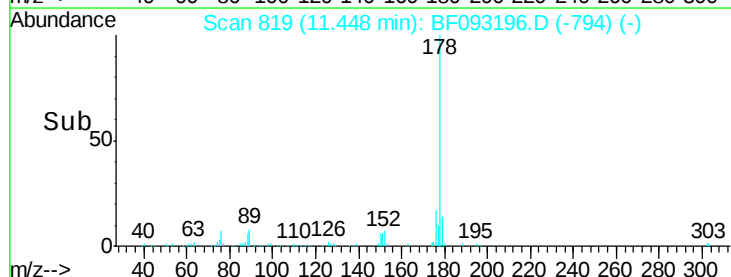
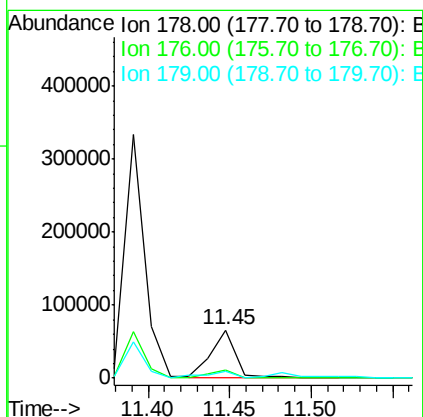
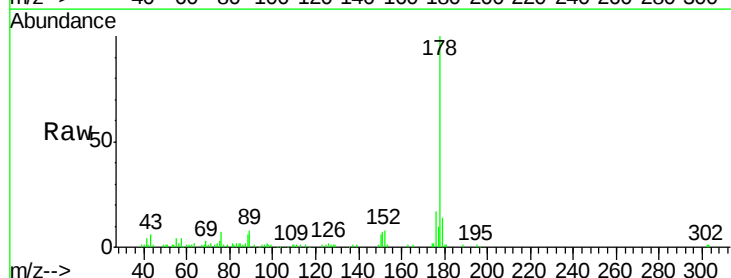
Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-3

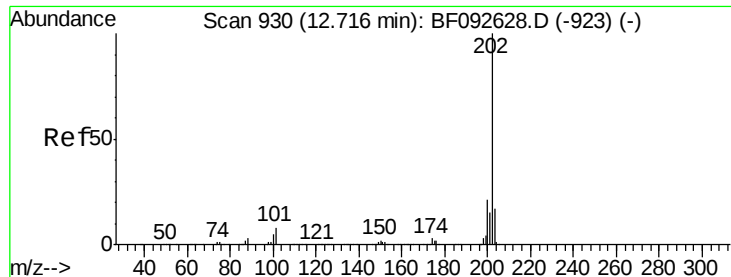
Tgt Ion:178 Resp: 287886
Ion Ratio Lower Upper
178 100
176 19.3 16.6 25.0
179 14.8 12.8 19.2



#71
Anthracene
Concen: 2.91 ng
RT: 11.45 min Scan# 819
Delta R.T. -0.01 min
Lab File: BF093196.D
Acq: 25 Feb 2017 16:50

Tgt Ion:178 Resp: 68328
Ion Ratio Lower Upper
178 100
176 17.2 15.9 23.9
179 14.4 13.2 19.8

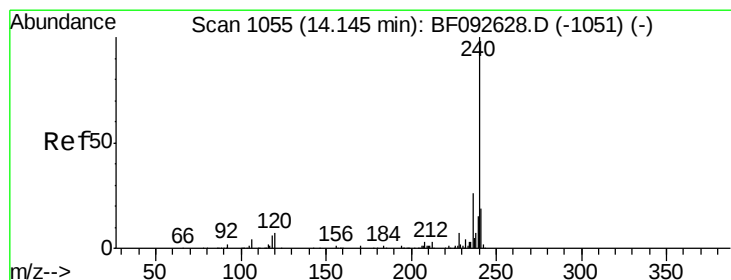
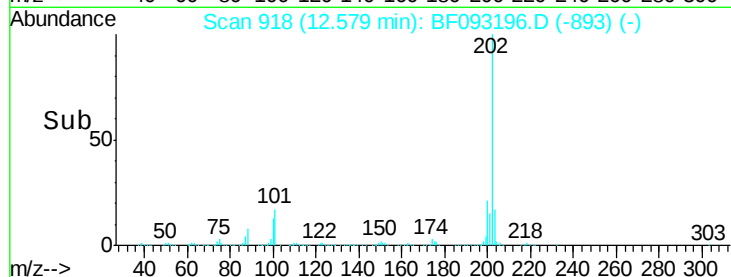
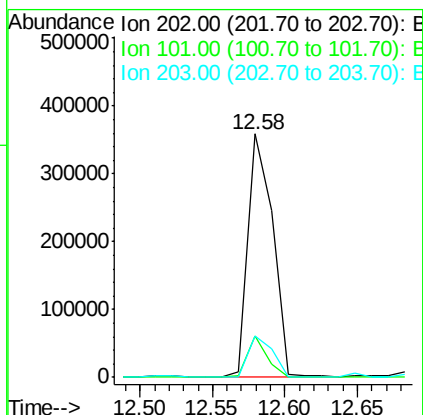
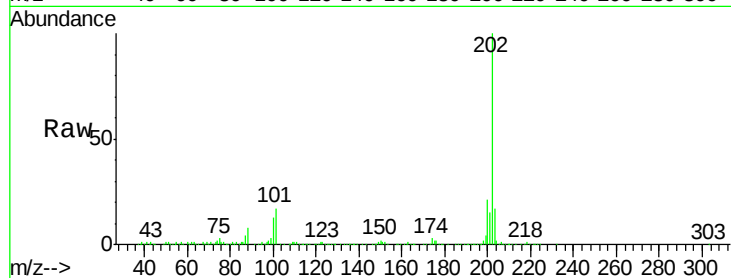




#74
 Fluoranthene
 Concen: 17.63 ng
 RT: 12.58 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: BF093196.D
 Acq: 25 Feb 2017 16:50

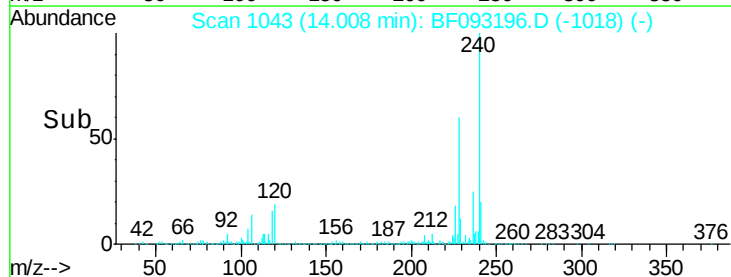
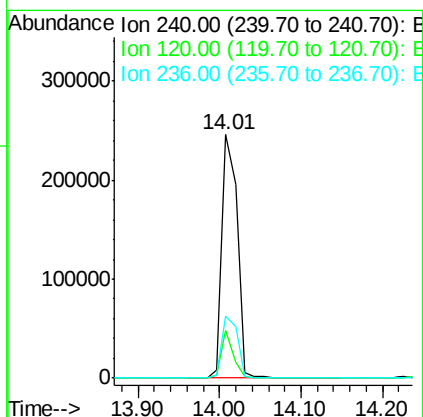
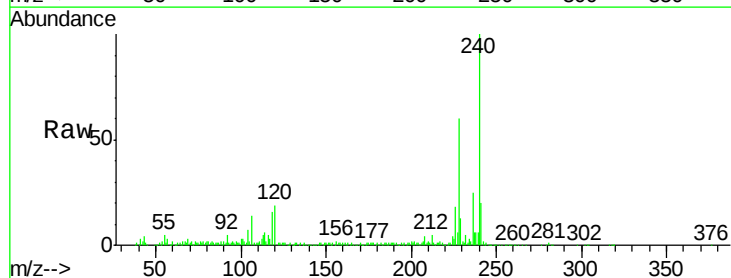
Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-B2-BASE-3

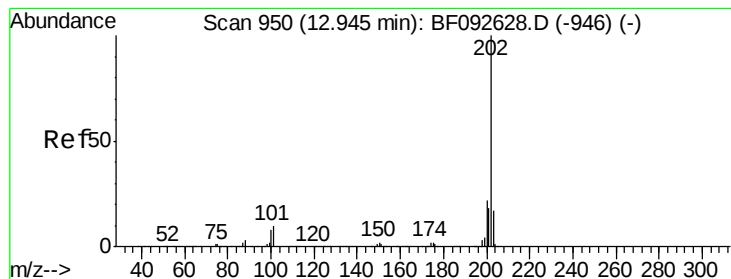
Tgt Ion:	202	Resp:	424575
Ion	Ratio	Lower	Upper
202	100		
101	16.9	0.0	34.6
203	17.0	0.0	38.7



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.01 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: BF093196.D
 Acq: 25 Feb 2017 16:50

Tgt Ion:	240	Resp:	319112
Ion	Ratio	Lower	Upper
240	100		
120	19.5	12.9	19.3#
236	25.4	20.9	31.3





#77

Pyrene

Concen: 16.61 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.01 min

Lab File: BF093196.D

Acq: 25 Feb 2017 16:50

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-3

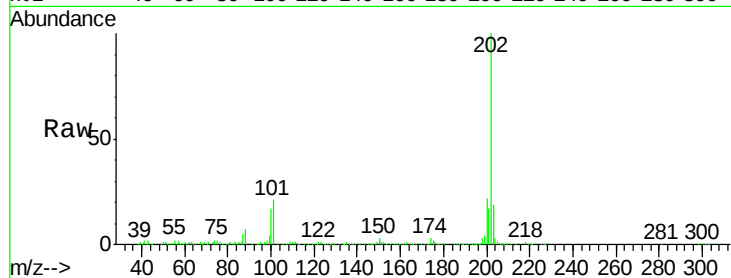
Tgt Ion:202 Resp: 396744

Ion Ratio Lower Upper

202 100

200 21.6 17.7 26.5

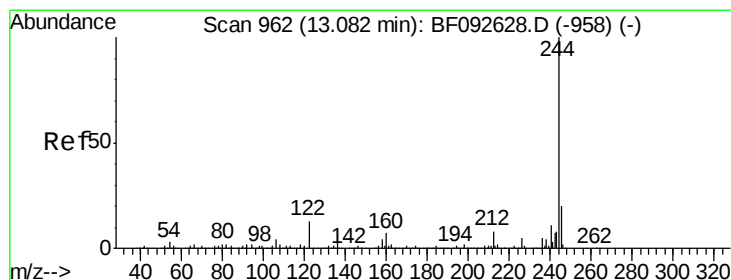
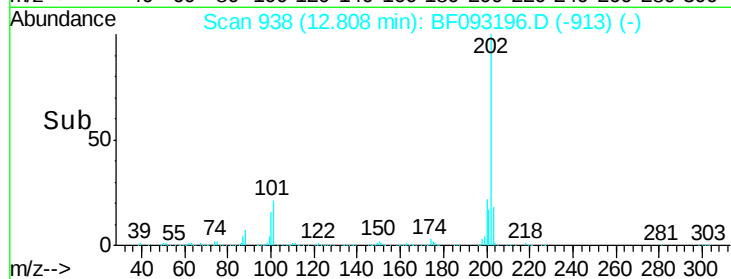
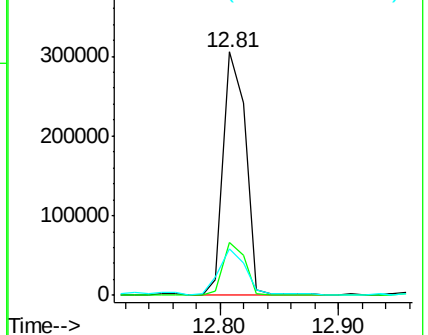
203 19.3 14.7 22.1



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: 54.17 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF093196.D

Acq: 25 Feb 2017 16:50

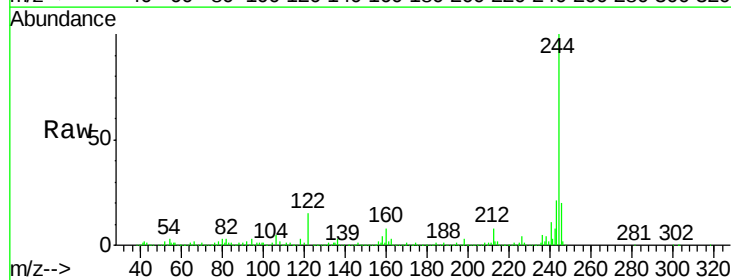
Tgt Ion:244 Resp: 735699

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

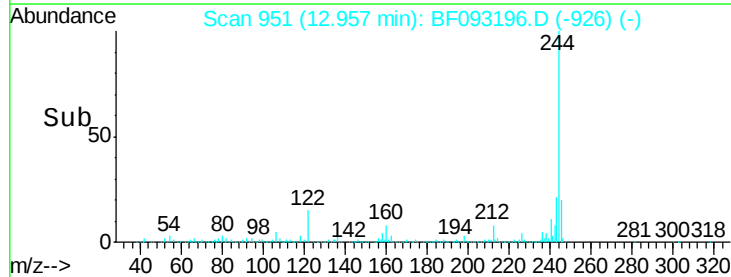
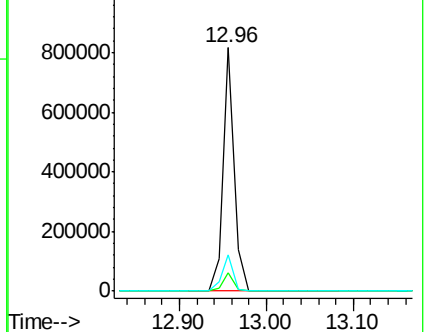
122 14.8 11.4 17.2

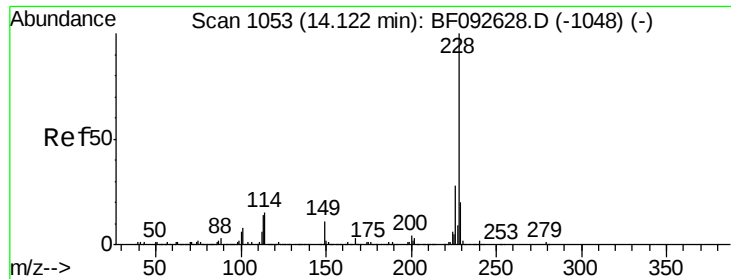


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 11.76 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.00 min

Lab File: BF093196.D

Acq: 25 Feb 2017 16:50

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-3

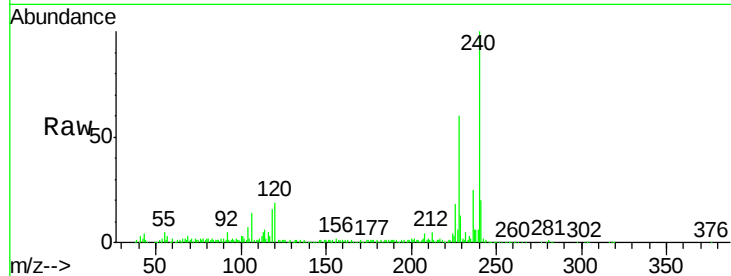
Tgt Ion:228 Resp: 229488

Ion Ratio Lower Upper

228 100

226 30.2 22.4 33.6

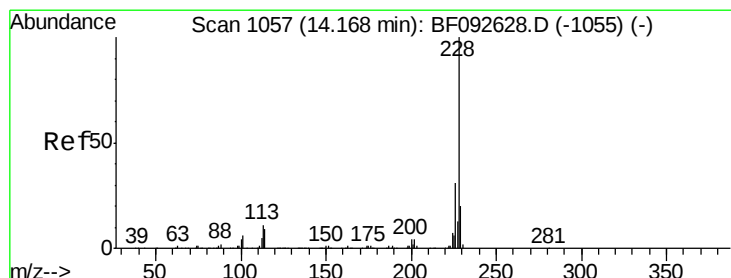
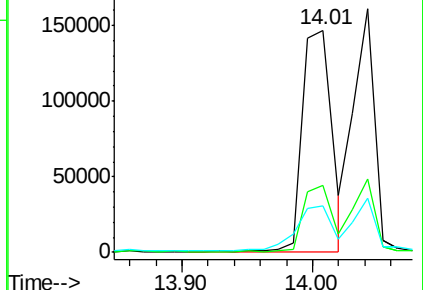
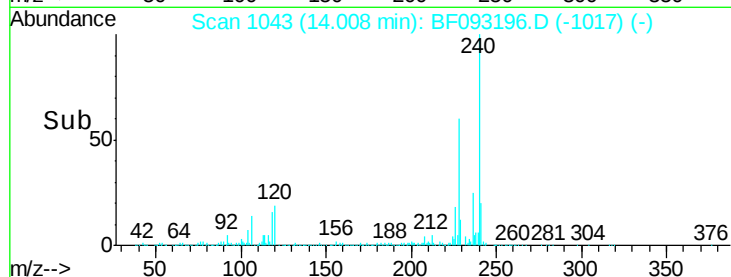
229 21.1 16.2 24.4



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: 12.56 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.03 min

Lab File: BF093196.D

Acq: 25 Feb 2017 16:50

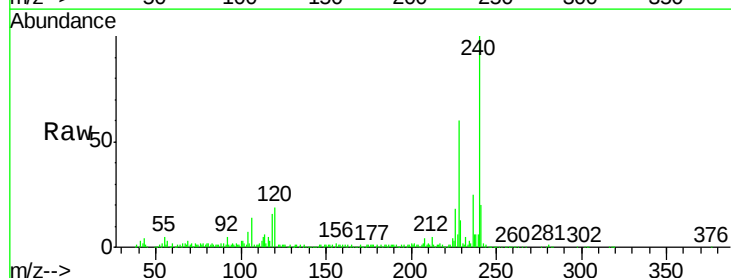
Tgt Ion:228 Resp: 229488

Ion Ratio Lower Upper

228 100

226 30.2 25.4 38.0

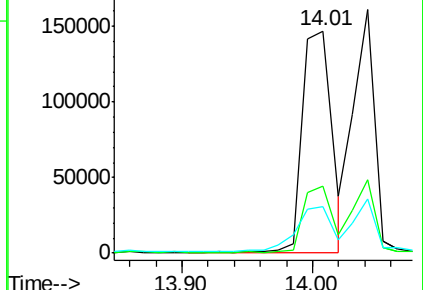
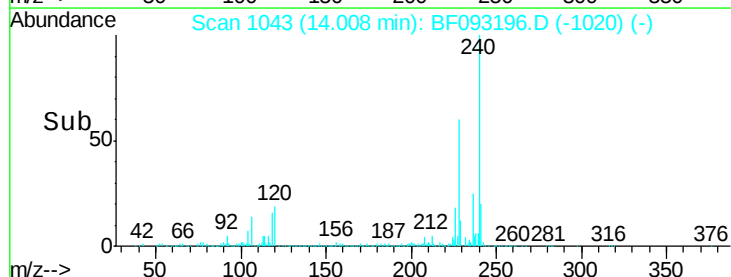
229 21.1 16.2 24.2

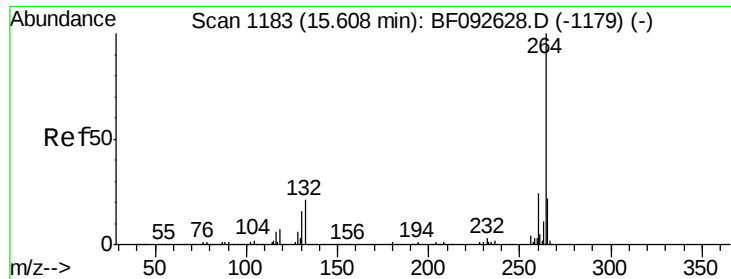


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

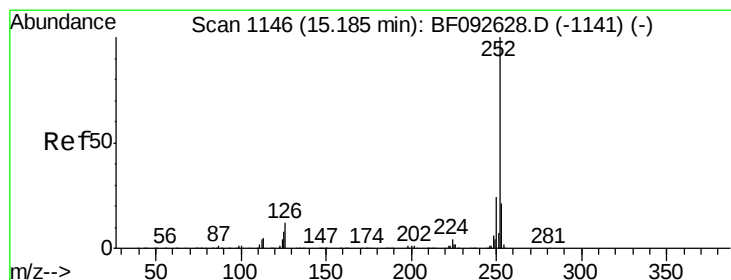
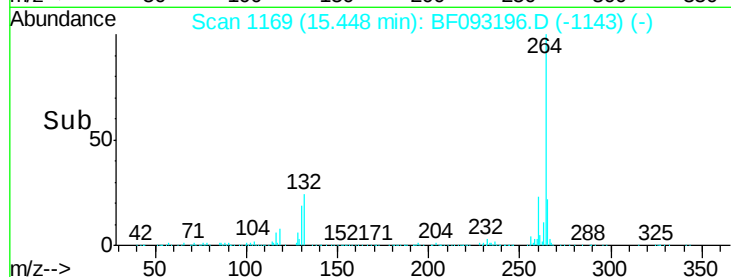
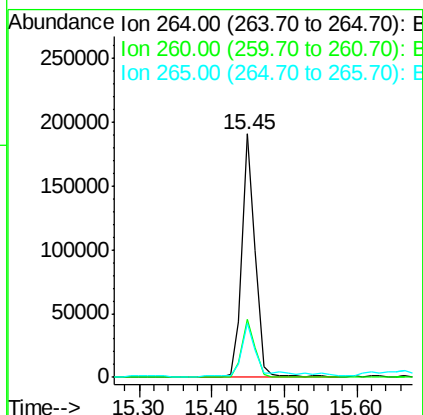
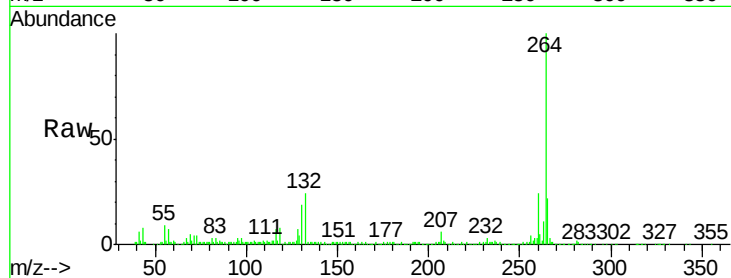




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.45 min Scan# 1169
Delta R.T. -0.00 min
Lab File: BF093196.D
Acq: 25 Feb 2017 16:50

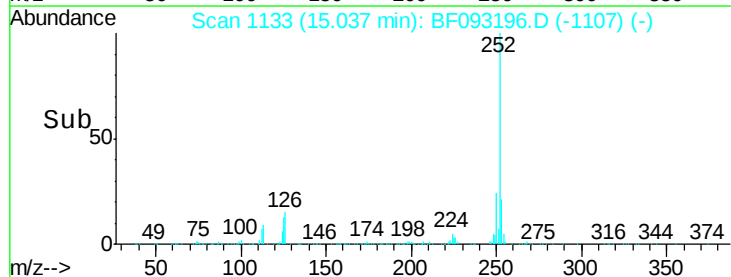
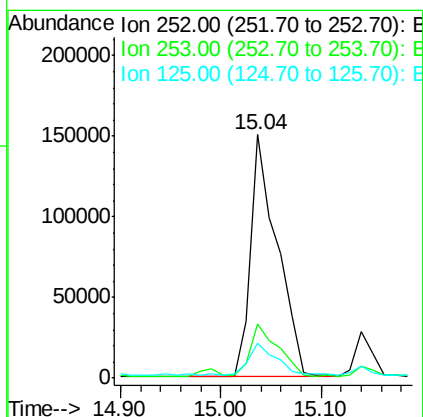
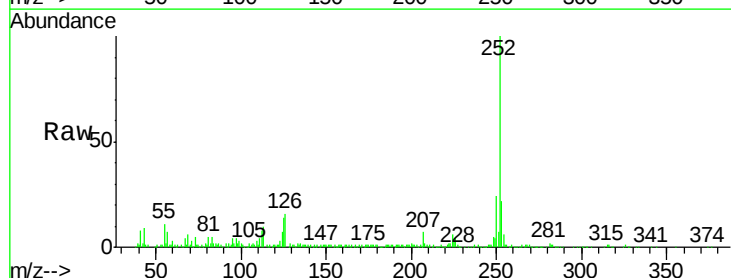
Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-3

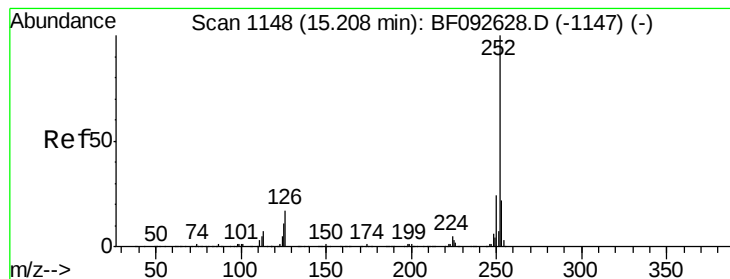
Tgt Ion: 264 Resp: 244050
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 22.1 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 17.24 ng
RT: 15.04 min Scan# 1133
Delta R.T. -0.00 min
Lab File: BF093196.D
Acq: 25 Feb 2017 16:50

Tgt Ion: 252 Resp: 276899
Ion Ratio Lower Upper
252 100
253 22.2 18.2 27.4
125 14.1 9.8 14.6





#88

Benzo(k)fluoranthene

Concen: 19.96 ng

RT: 15.04 min Scan# 1133

Delta R.T. -0.03 min

Lab File: BF093196.D

Acq: 25 Feb 2017 16:50

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-3

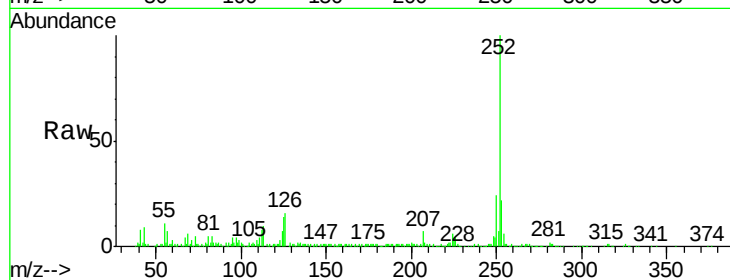
Tgt Ion:252 Resp: 276899

Ion Ratio Lower Upper

252 100

253 22.2 18.5 27.7

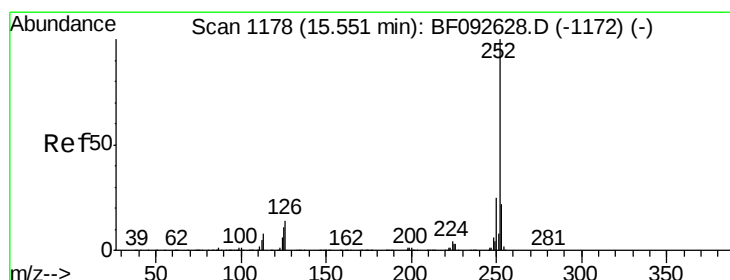
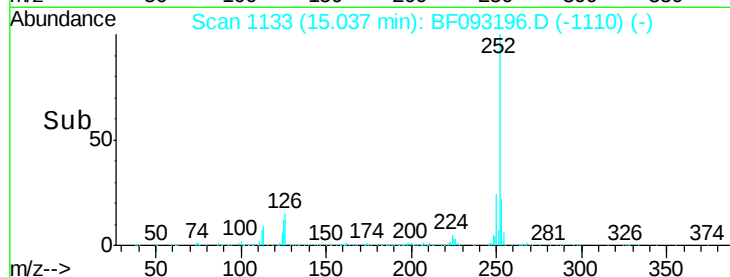
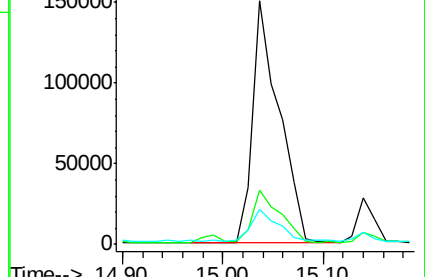
125 14.1 8.9 13.3#



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: 10.46 ng

RT: 15.39 min Scan# 1164

Delta R.T. -0.00 min

Lab File: BF093196.D

Acq: 25 Feb 2017 16:50

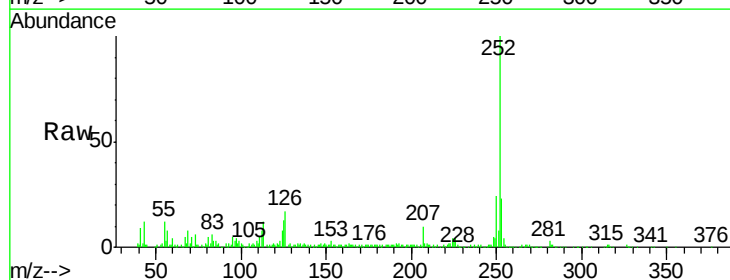
Tgt Ion:252 Resp: 145355

Ion Ratio Lower Upper

252 100

253 22.9 18.2 27.2

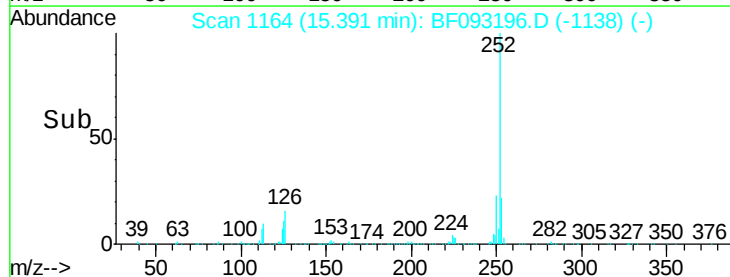
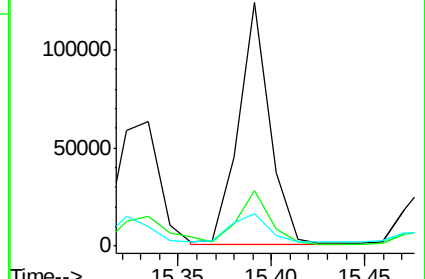
125 13.4 10.0 15.0

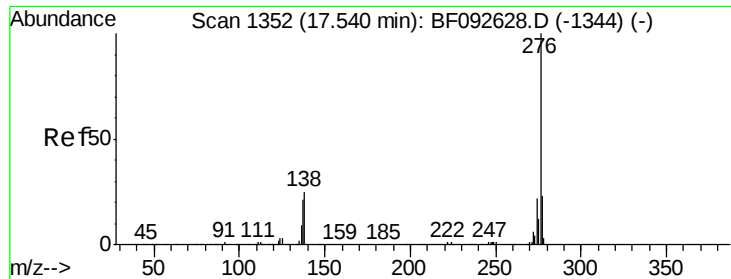


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(g,h,i)perylene
 Concen: 6.13 ng
 RT: 17.29 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: BF093196.D
 Acq: 25 Feb 2017 16:50

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-B2-BASE-3

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.2	28.8
138	30.3	16.0	24.0

