

Data File : BF093095.D
Acq On : 23 Feb 2017 00:23
Operator : SJ/MA
Sample : I1931-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P-7

Quant Time: Feb 23 00:51:48 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	159310	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	640450	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	296614	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	569009	20.00	ng	-0.02
75) Chrysene-d12	13.99	240	400834	20.00	ng	-0.03
86) Perylene-d12	15.41	264	296168	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	2424	0.26	ng	0.01
7) Phenol-d6	6.48	99	163182	13.66	ng	-0.01
23) Nitrobenzene-d5	7.41	82	949518	82.56	ng	-0.01
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.21	172	1580964	96.56	ng	-0.01
78) Terphenyl-d14	12.95	244	1393218	81.67	ng	-0.02

Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	127688	16.79	ng	# 78
32) Benzoic acid	7.77	122	795	7.29	ng	# 21
49) Dimethylphthalate	9.60	163	374443	18.74	ng	99
56) 2,4-Dinitrotoluene	9.87	165	38499	6.70	ng	# 20
70) Phenanthrene	11.38	178	133085	4.08	ng	97
74) Fluoranthene	12.57	202	142931	4.25	ng	92
77) Pyrene	12.80	202	111509	3.72	ng	99
87) Benzo(b)fluoranthene	15.00	252	52892	2.71	ng	# 92
88) Benzo(k)fluoranthene	15.00	252	52892	3.14	ng	# 92

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

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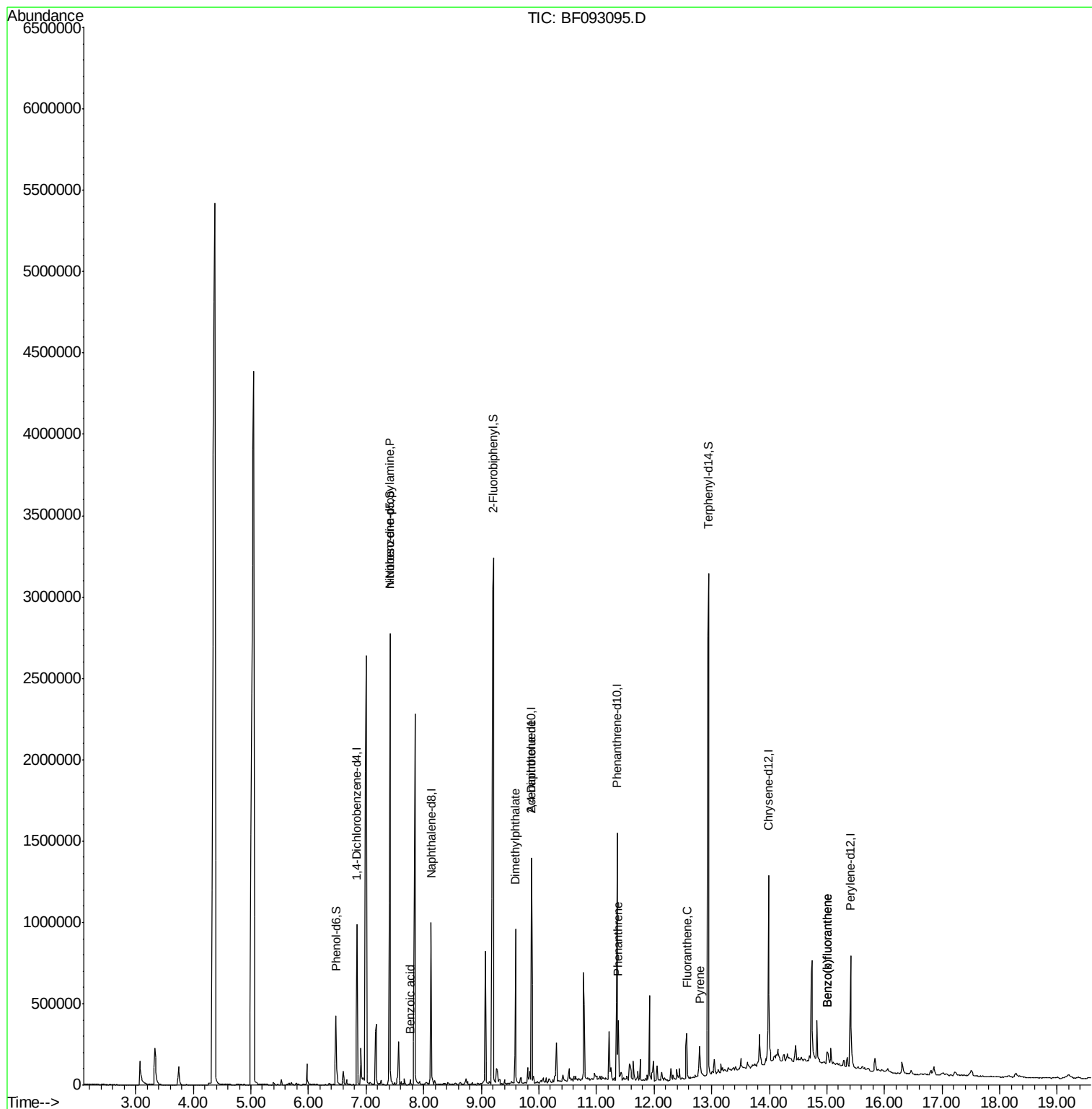
Quant Time: Feb 23 00:51:48 2017

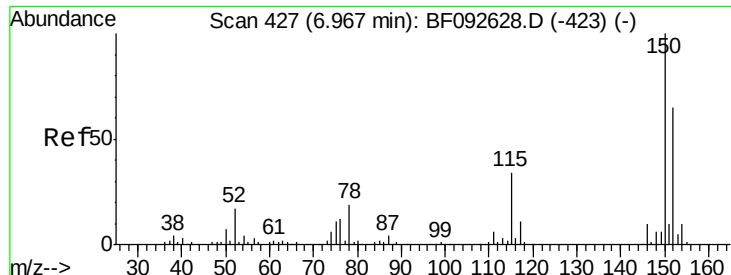
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

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: 6.84 min Scan# 416

Delta R.T. -0.01 min

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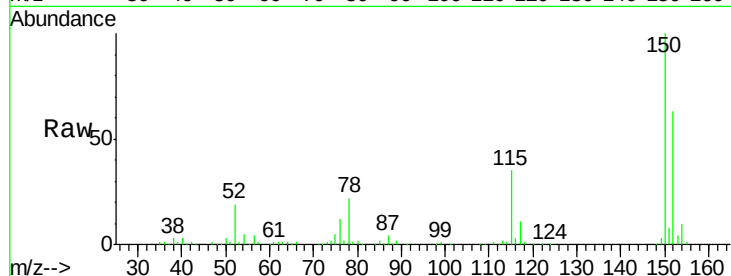
Tgt Ion:152 Resp: 159310

Ion Ratio Lower Upper

152 100

150 157.7 124.9 187.3

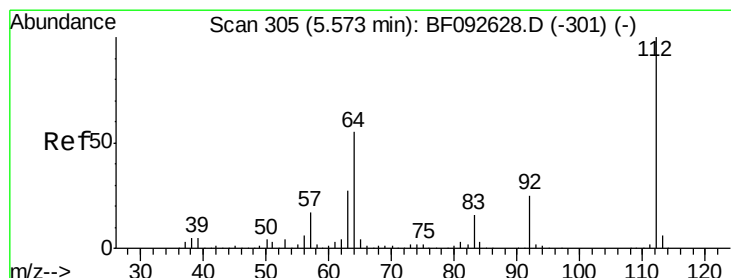
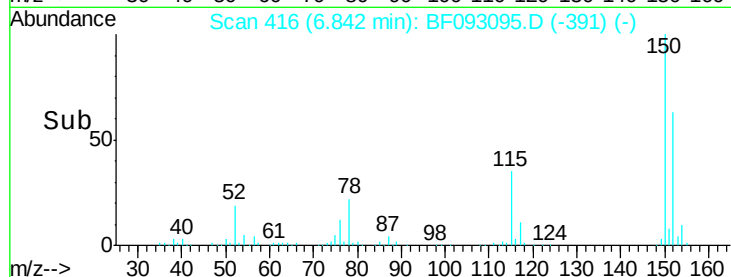
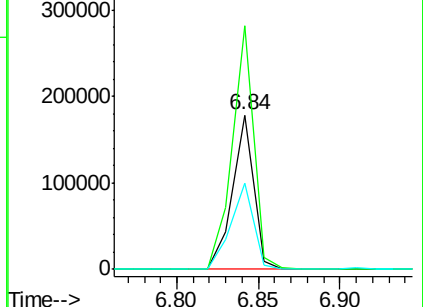
115 55.5 46.0 69.0



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: 0.26 ng

RT: 5.46 min Scan# 295

Delta R.T. 0.01 min

Lab File: BF093095.D

Acq: 23 Feb 2017 00:23

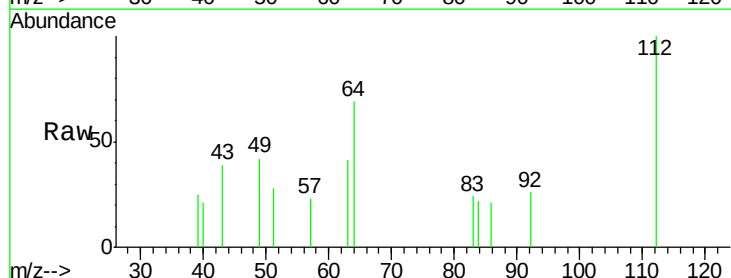
Tgt Ion:112 Resp: 2424

Ion Ratio Lower Upper

112 100

64 68.7 46.1 69.1

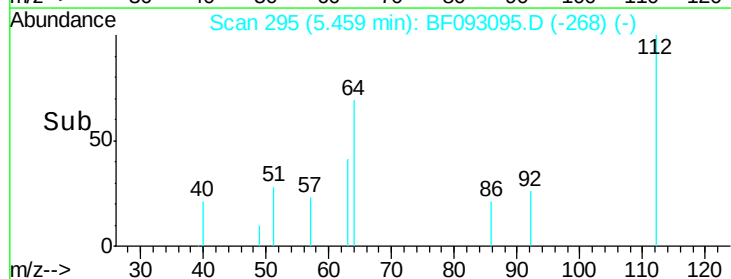
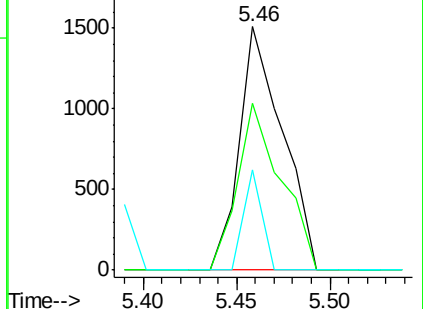
63 41.4 23.8 35.6#

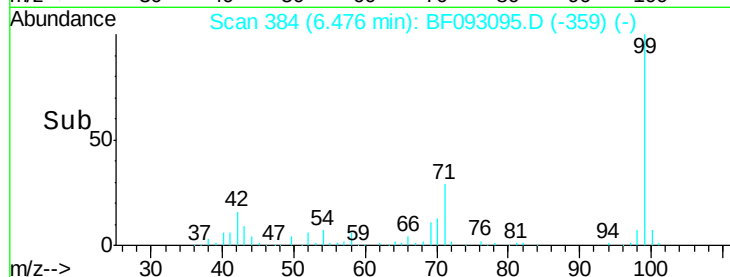
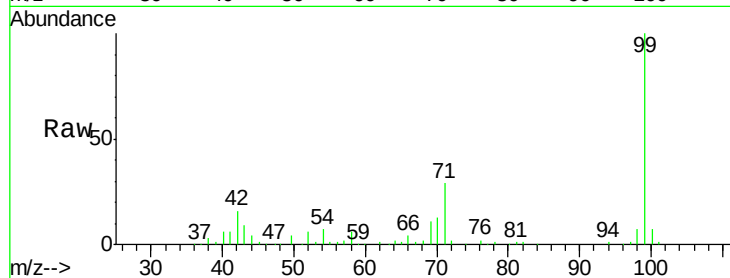
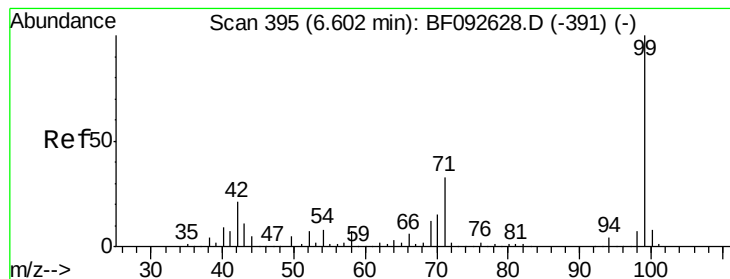


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 13.66 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093095.D

Acq: 23 Feb 2017 00:23

Instrument :

BNA_F

ClientSampleId :

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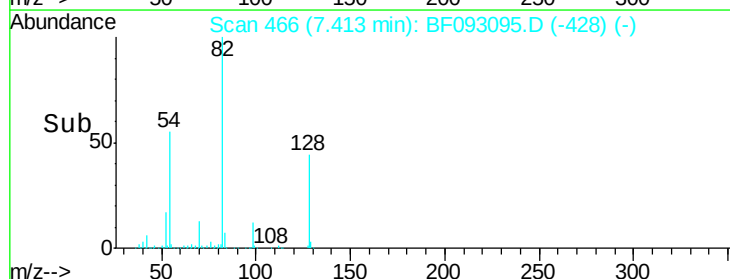
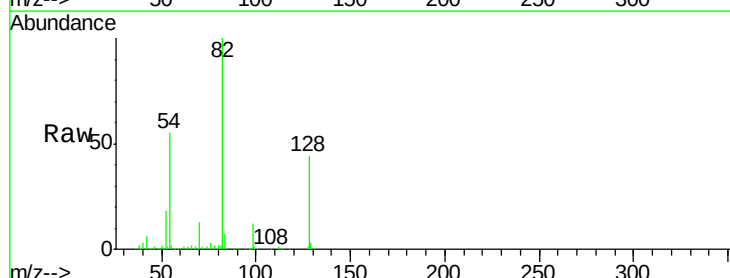
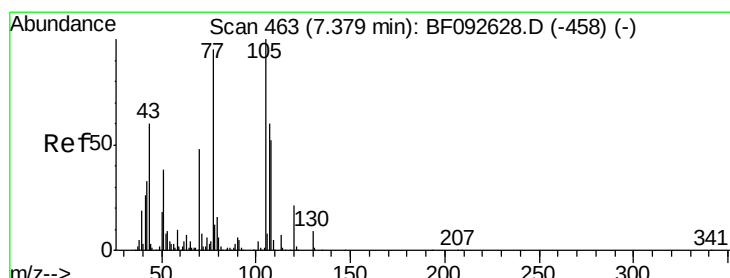
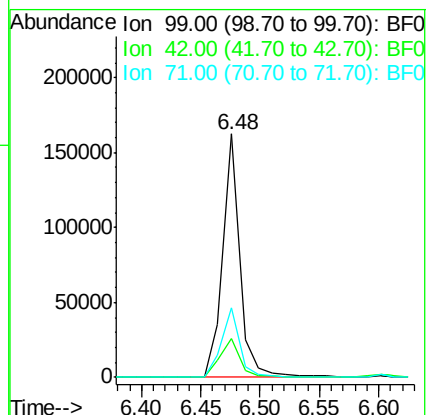
Tgt Ion: 99 Resp: 163182

Ion Ratio Lower Upper

99 100

42 16.1 15.6 23.4

71 28.8 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 16.79 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.14 min

Lab File: BF093095.D

Acq: 23 Feb 2017 00:23

Tgt Ion: 70 Resp: 127688

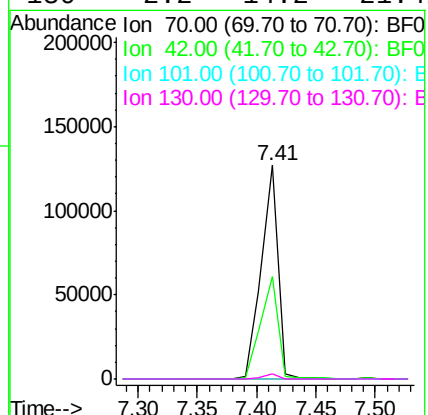
Ion Ratio Lower Upper

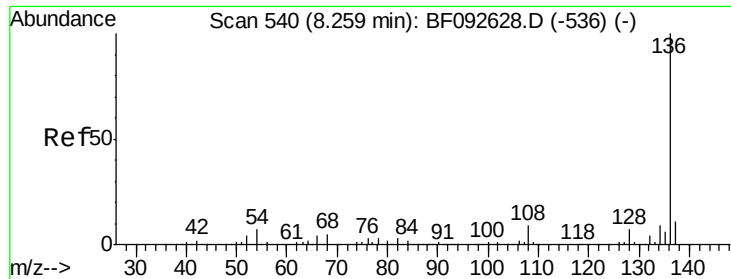
70 100

42 48.0 49.4 74.0#

101 0.0 7.4 11.2#

130 2.2 14.2 21.4#

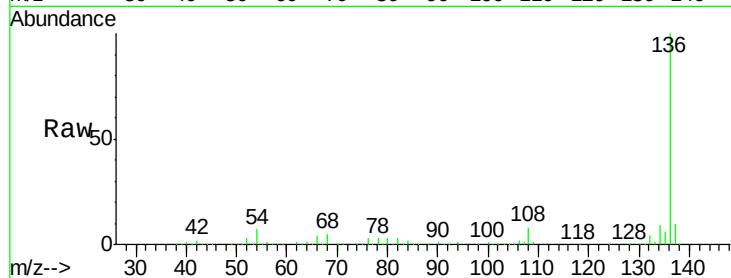




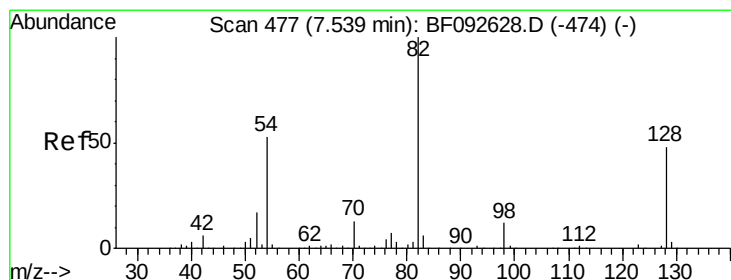
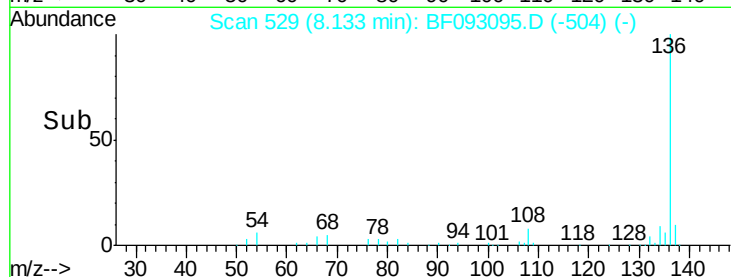
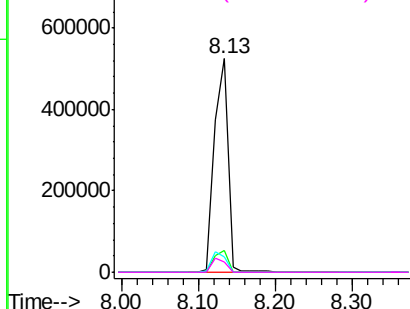
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.01 min
Lab File: BF093095.D
Acq: 23 Feb 2017 00:23

Instrument :
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ClientSampleId :
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Tgt Ion:	136	Resp:	640450
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.4	12.6
54	7.1	4.5	6.7#
68	5.0	3.6	5.4

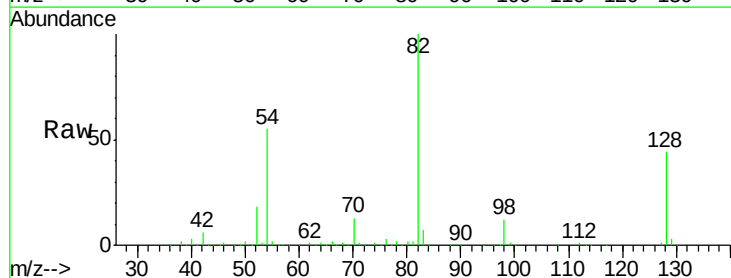


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

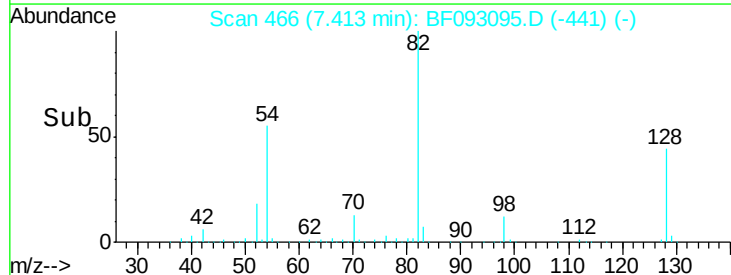
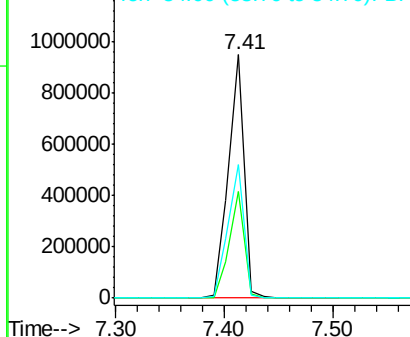


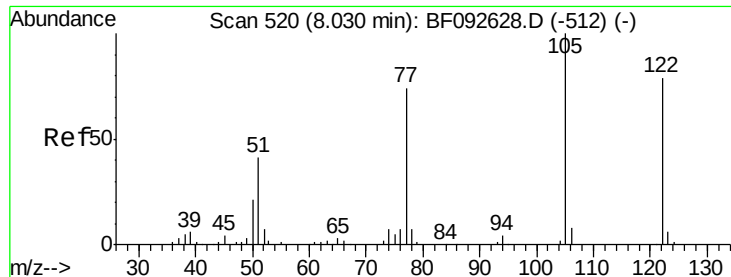
#23
Nitrobenzene-d5
Concen: 82.56 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.01 min
Lab File: BF093095.D
Acq: 23 Feb 2017 00:23

Tgt Ion:	82	Resp:	949518
Ion	Ratio	Lower	Upper
82	100		
128	43.8	34.6	52.0
54	55.0	39.5	59.3



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

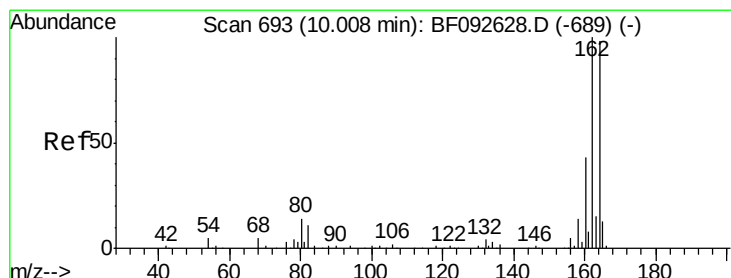
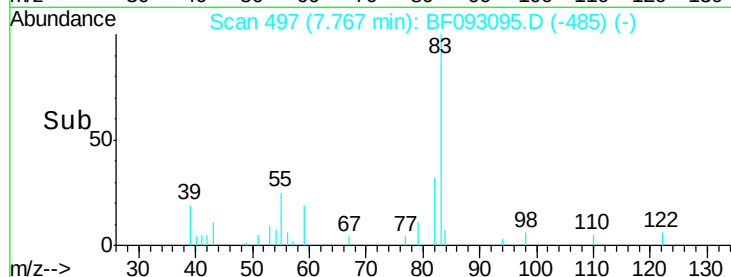
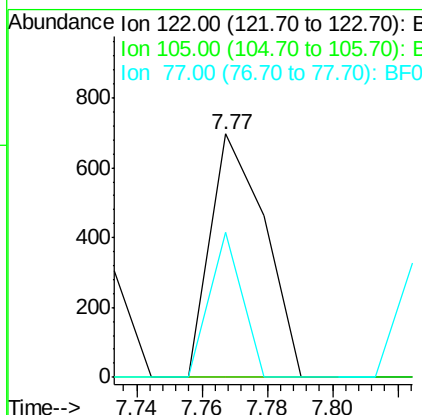
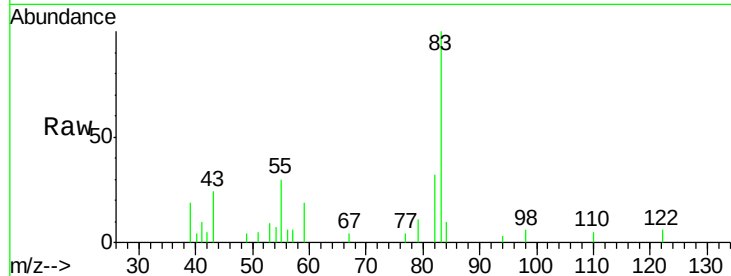




#32
Benzoic acid
Concen: 7.29 ng
RT: 7.77 min Scan# 497
Delta R.T. -0.16 min
Lab File: BF093095.D
Acq: 23 Feb 2017 00:23

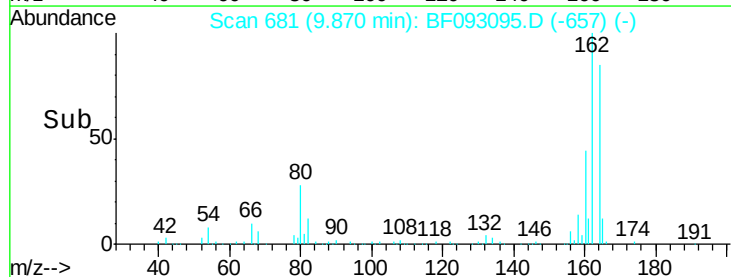
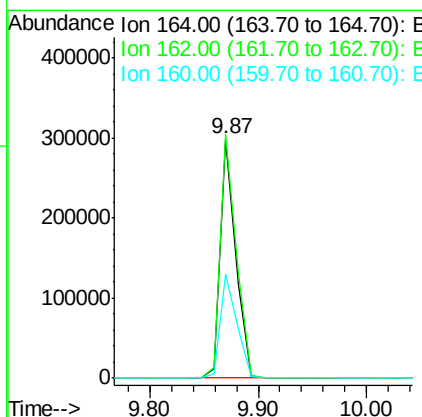
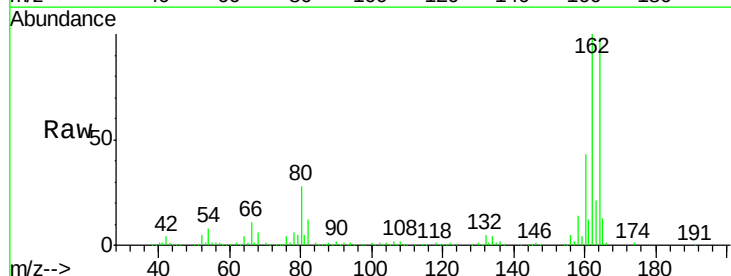
Instrument :
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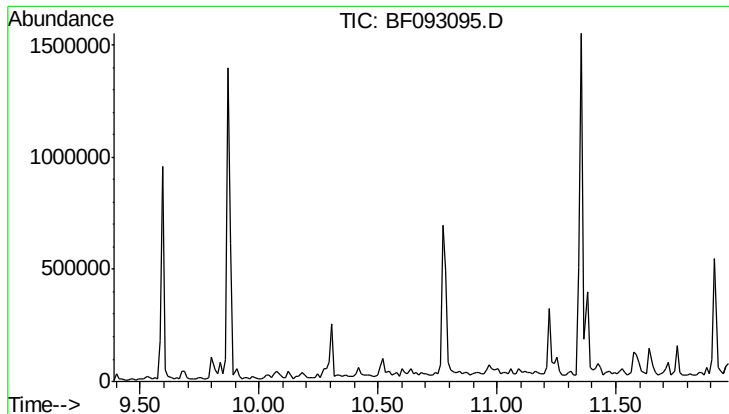
Tgt Ion:122 Resp: 795
Ion Ratio Lower Upper
122 100
105 0.0 107.2 147.2#
77 59.7 74.5 114.5#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 681
Delta R.T. -0.02 min
Lab File: BF093095.D
Acq: 23 Feb 2017 00:23

Tgt Ion:164 Resp: 296614
Ion Ratio Lower Upper
164 100
162 101.8 80.2 120.2
160 43.6 36.9 55.3

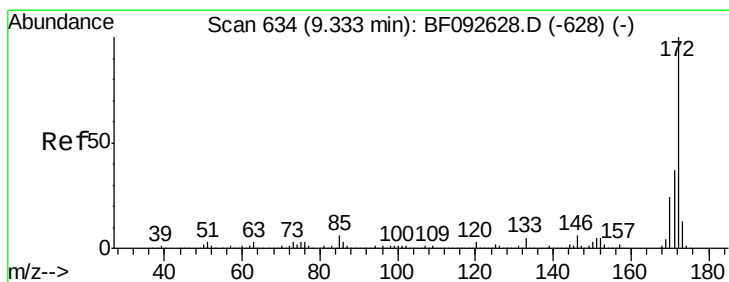
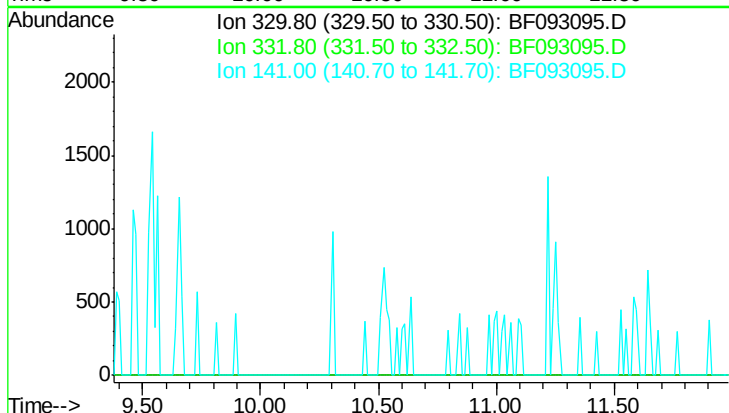




#41
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 Expected RT: 10.68 min
 Lab File: BF093095.D
 Acq: 23 Feb 2017 00:23

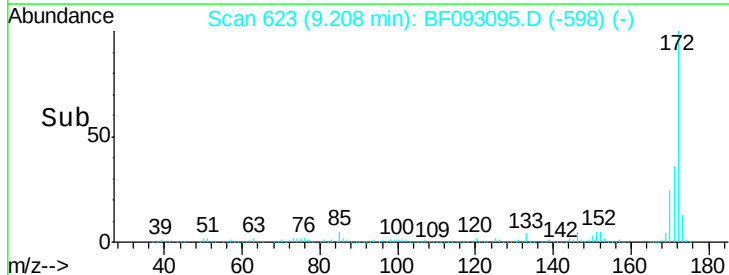
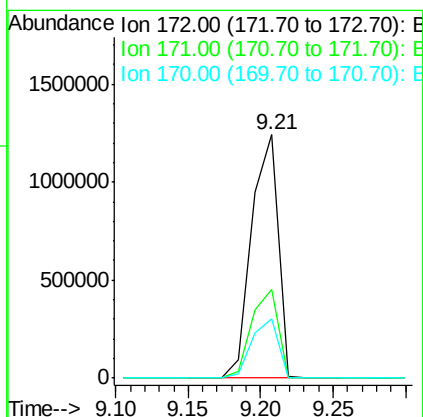
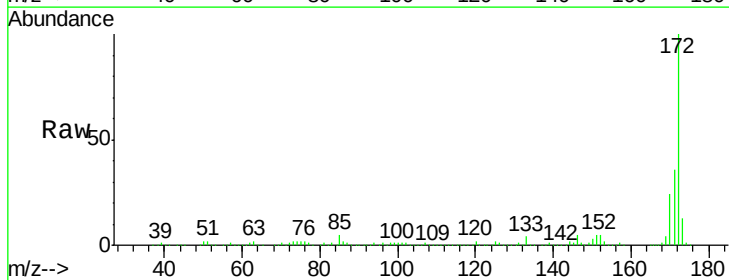
Instrument :
 BNA_F
 ClientSampleId :
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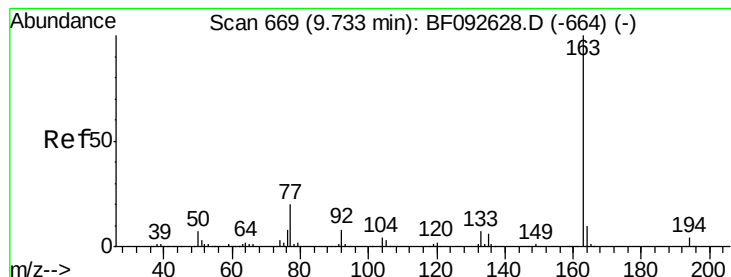
Tgt Ion: 330
 Sig Exp Ratio
 330 100
 332 96.8
 141 42.6



#44
 2-Fluorobiphenyl
 Concen: 96.56 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF093095.D
 Acq: 23 Feb 2017 00:23

Tgt Ion: 172 Resp: 1580964
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.4 44.0
 170 24.1 20.2 30.4





#49

Dimethylphthalate

Concen: 18.74 ng

RT: 9.60 min Scan# 657

Delta R.T. -0.02 min

Lab File: BF093095.D

Acq: 23 Feb 2017 00:23

Instrument :

BNA_F

ClientSampleId :

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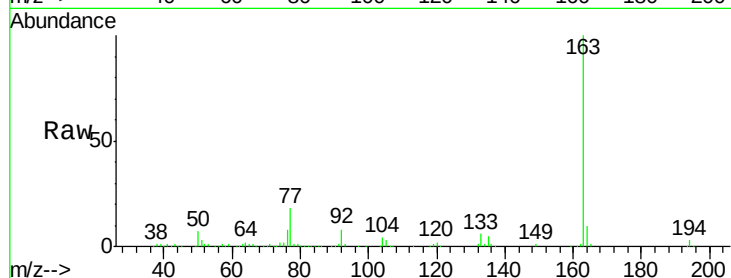
Tgt Ion:163 Resp: 374443

Ion Ratio Lower Upper

163 100

194 3.5 3.0 4.4

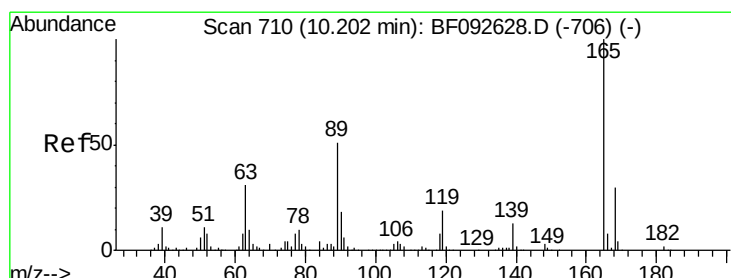
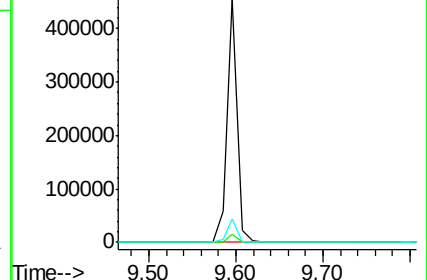
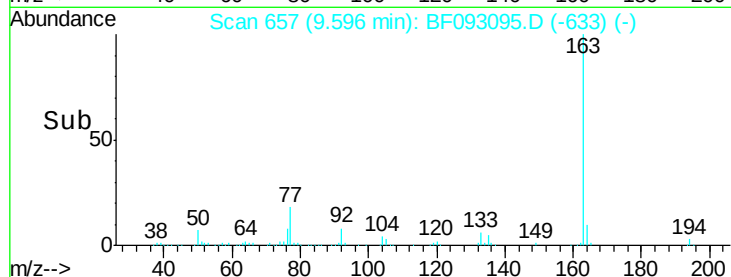
164 9.7 8.0 12.0



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: 6.70 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.22 min

Lab File: BF093095.D

Acq: 23 Feb 2017 00:23

Tgt Ion:165 Resp: 38499

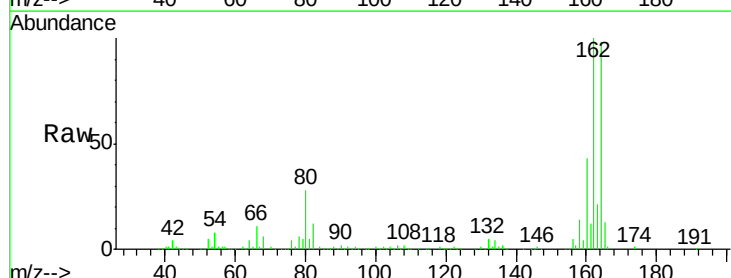
Ion Ratio Lower Upper

165 100

63 1.3 40.2 60.4#

89 1.5 62.5 93.7#

182 0.0 1.8 2.8#

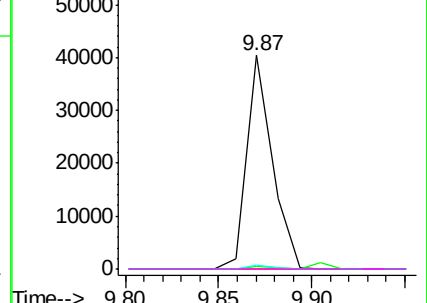
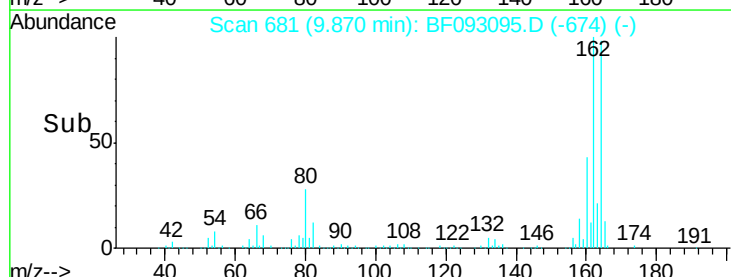


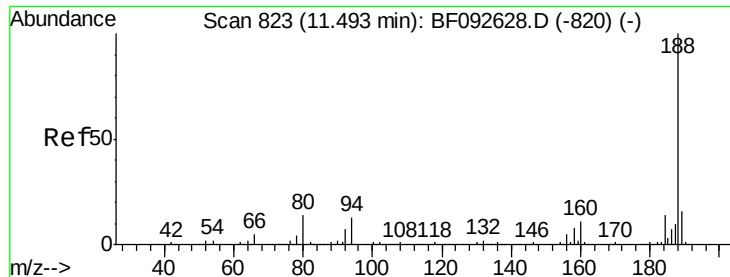
Abundance Ion 165.00 (164.70 to 165.70): E

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

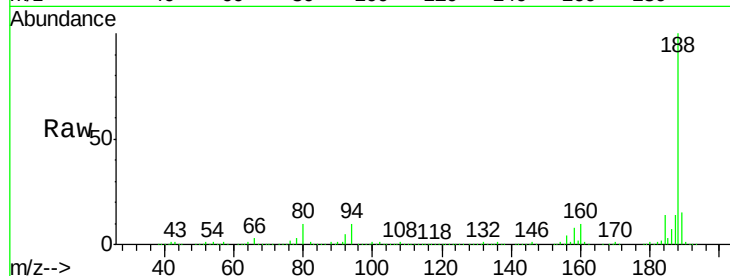




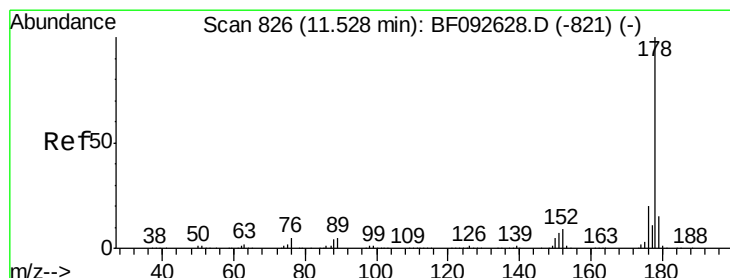
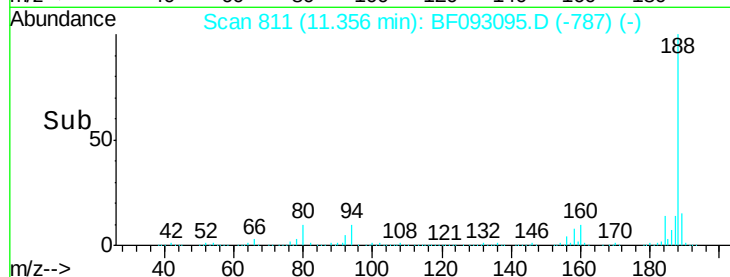
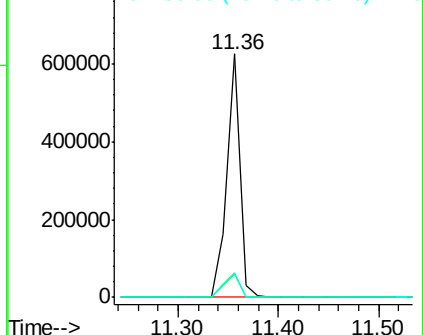
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.02 min
Lab File: BF093095.D
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Tgt Ion:188 Resp: 569009
Ion Ratio Lower Upper
188 100
94 9.7 10.0 15.0#
80 10.0 11.2 16.8#

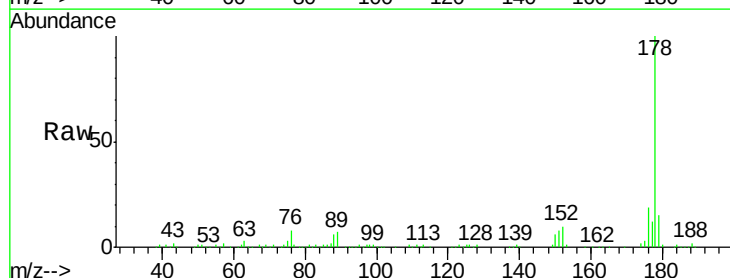


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

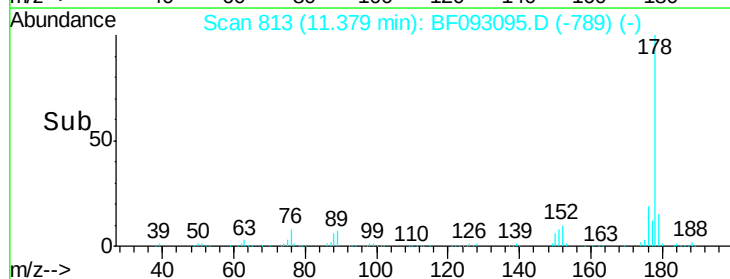
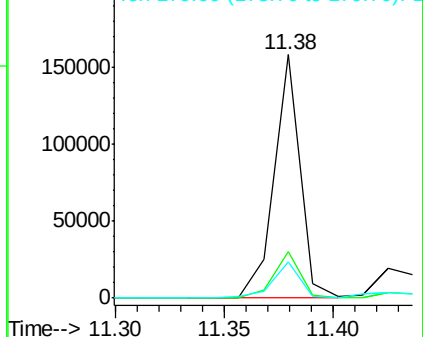


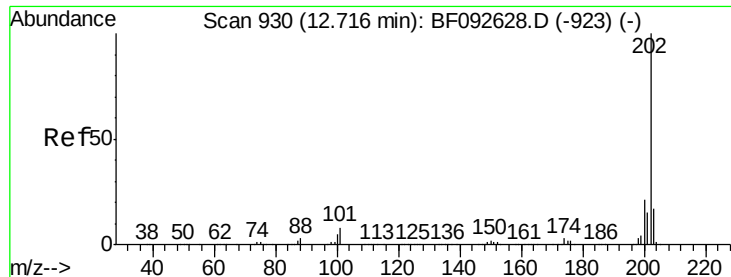
#70
Phenanthrene
Concen: 4.08 ng
RT: 11.38 min Scan# 813
Delta R.T. -0.02 min
Lab File: BF093095.D
Acq: 23 Feb 2017 00:23

Tgt Ion:178 Resp: 133085
Ion Ratio Lower Upper
178 100
176 19.3 16.6 25.0
179 15.1 12.8 19.2



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: 4.25 ng

RT: 12.57 min Scan# 917

Delta R.T. -0.02 min

Lab File: BF093095.D

Acq: 23 Feb 2017 00:23

Instrument :

BNA_F

ClientSampleId :

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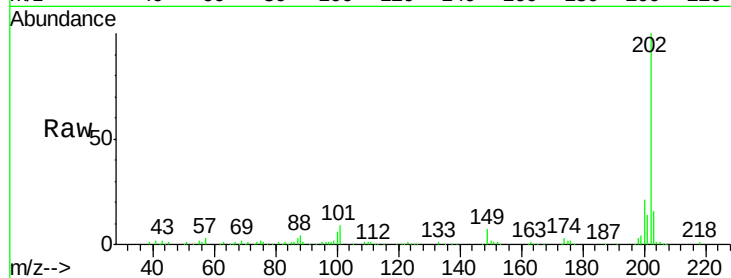
Tgt Ion:202 Resp: 142931

Ion Ratio Lower Upper

202 100

101 9.3 0.0 34.6

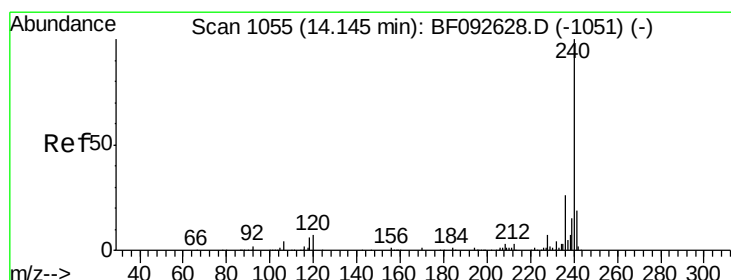
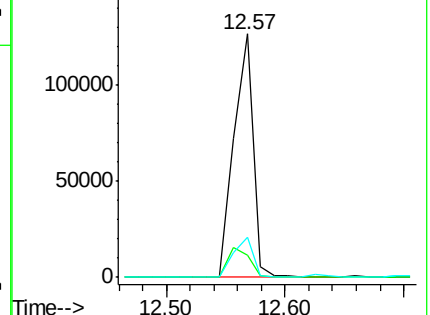
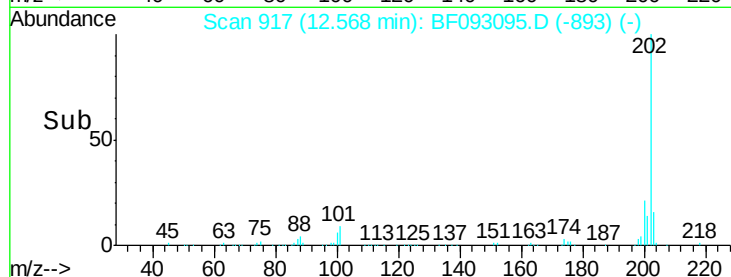
203 16.4 0.0 38.7



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: 13.99 min Scan# 1041

Delta R.T. -0.03 min

Lab File: BF093095.D

Acq: 23 Feb 2017 00:23

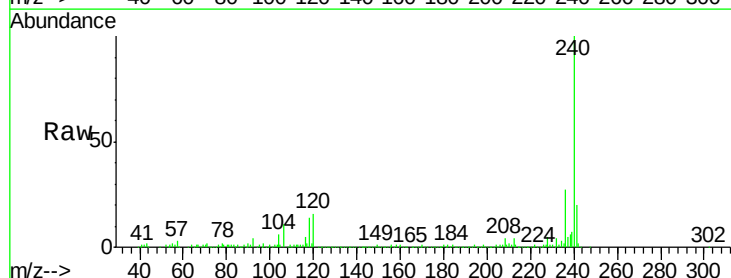
Tgt Ion:240 Resp: 400834

Ion Ratio Lower Upper

240 100

120 16.1 12.9 19.3

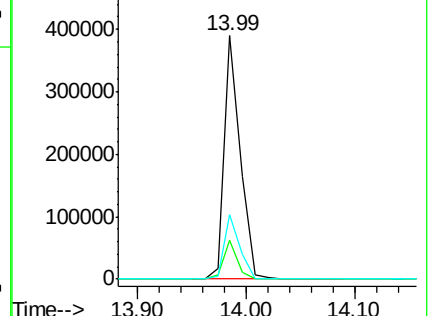
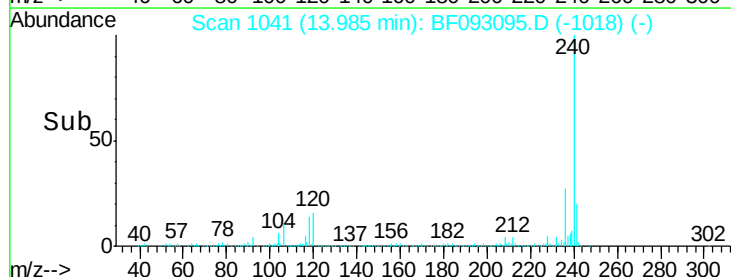
236 26.5 20.9 31.3

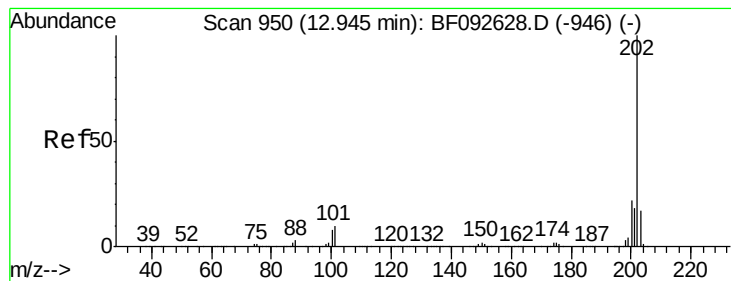


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 3.72 ng

RT: 12.80 min Scan# 937

Delta R.T. -0.02 min

Lab File: BF093095.D

Acq: 23 Feb 2017 00:23

Instrument :

BNA_F

ClientSampleId :

P-7

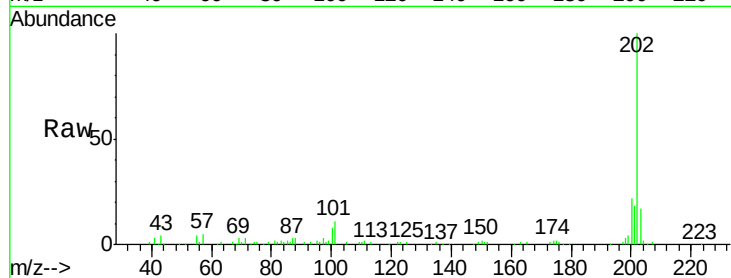
Tgt Ion:202 Resp: 111509

Ion Ratio Lower Upper

202 100

200 21.8 17.7 26.5

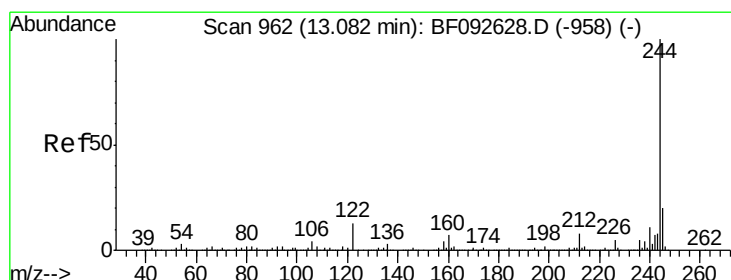
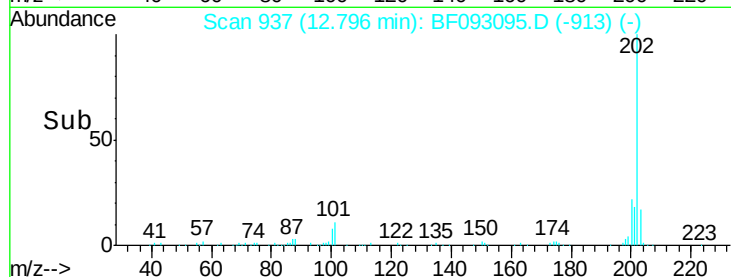
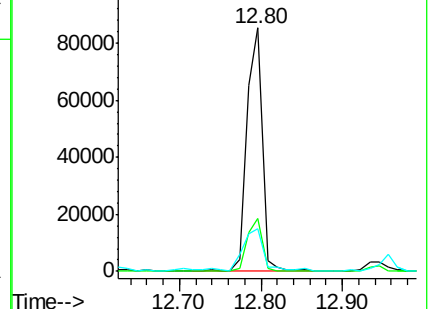
203 17.3 14.7 22.1



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: 81.67 ng

RT: 12.95 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF093095.D

Acq: 23 Feb 2017 00:23

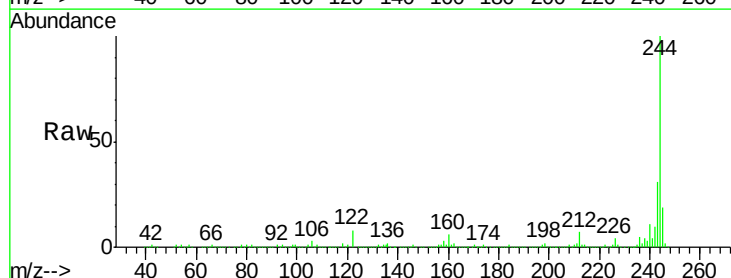
Tgt Ion:244 Resp: 1393218

Ion Ratio Lower Upper

244 100

212 6.8 6.2 9.2

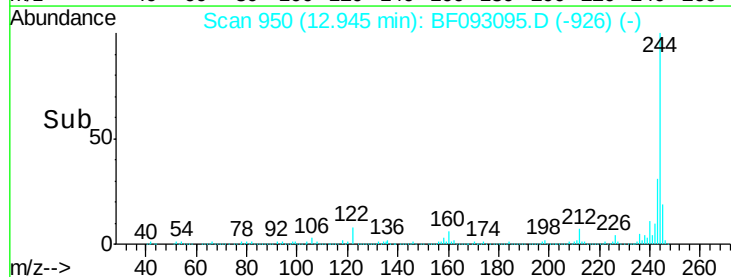
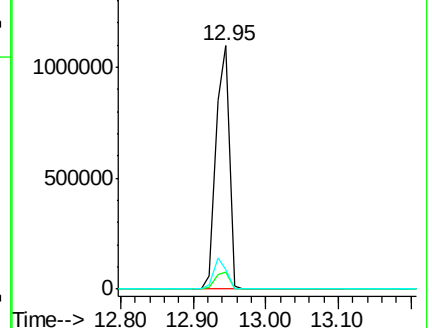
122 8.3 11.4 17.2#

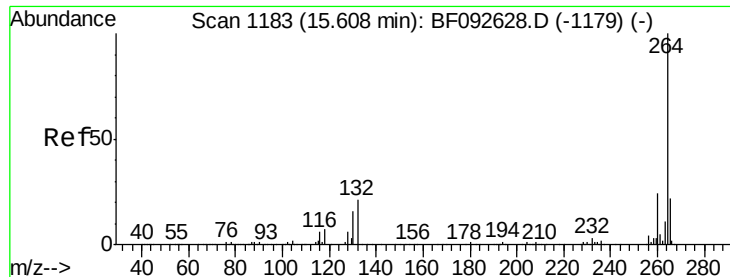


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

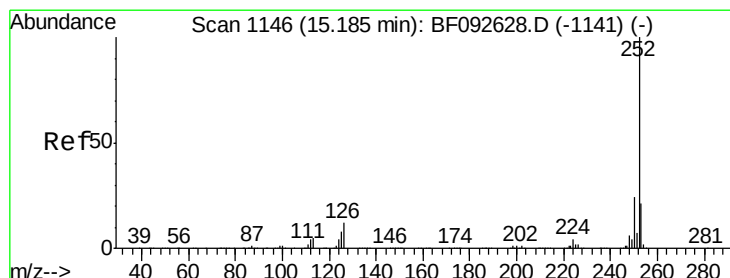
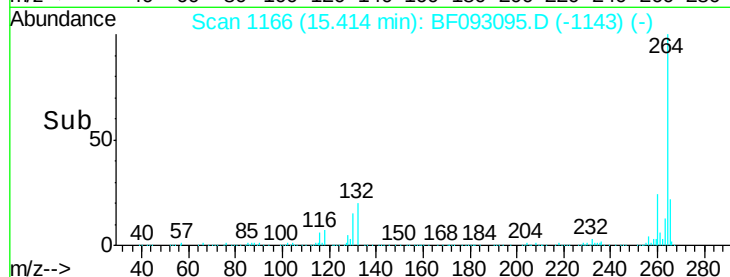
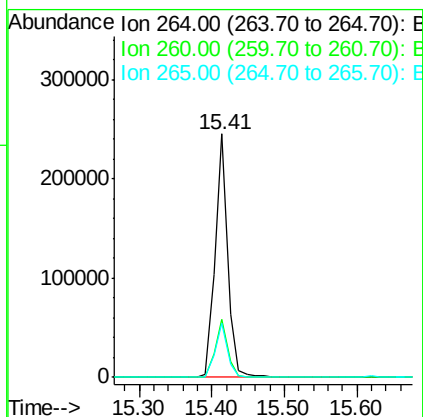
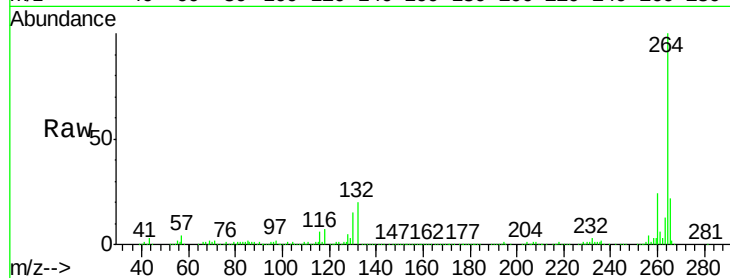




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.03 min
Lab File: BF093095.D
Acq: 23 Feb 2017 00:23

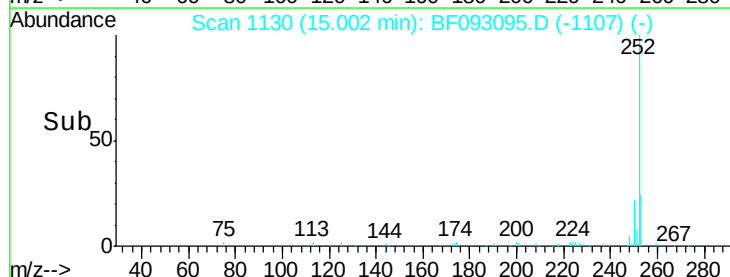
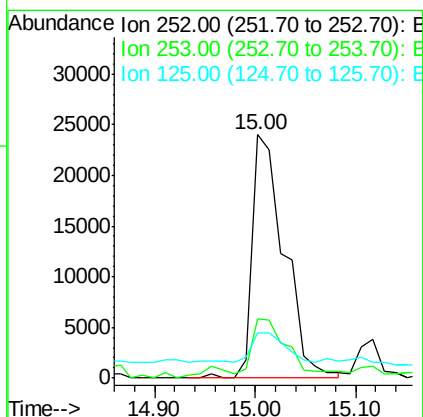
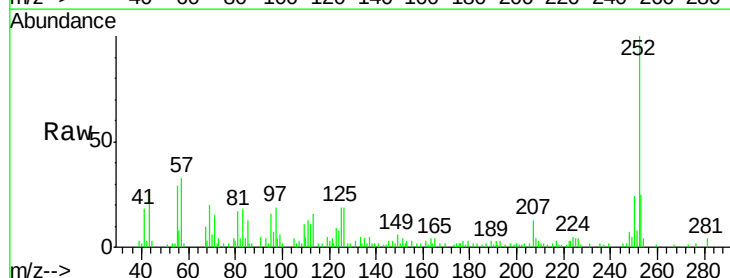
Instrument :
BNA_F
ClientSampleId :
P-7

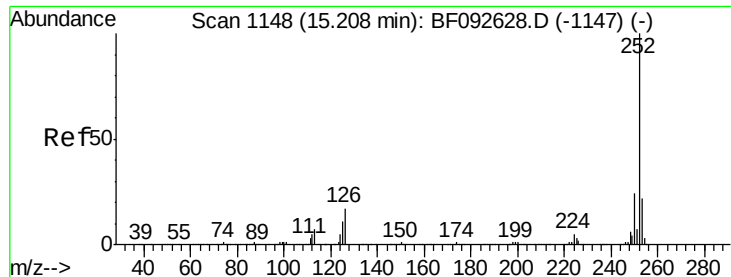
Tgt Ion:264 Resp: 296168
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 22.3 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 2.71 ng
RT: 15.00 min Scan# 1130
Delta R.T. -0.03 min
Lab File: BF093095.D
Acq: 23 Feb 2017 00:23

Tgt Ion:252 Resp: 52892
Ion Ratio Lower Upper
252 100
253 24.6 18.2 27.4
125 18.6 9.8 14.6#





#88
 Benzo(k)fluoranthene
 Concen: 3.14 ng
 RT: 15.00 min Scan# 1130
 Delta R.T. -0.07 min
 Lab File: BF093095.D
 Acq: 23 Feb 2017 00:23

Instrument :
 BNA_F
 ClientSampleId :
 P-7

Tgt Ion: 252 Resp: 52892
 Ion Ratio Lower Upper
 252 100
 253 24.6 18.5 27.7
 125 18.6 8.9 13.3#

