

Data File : BF093016.D
Acq On : 17 Feb 2017 17:52
Operator : SJ/MA
Sample : I1879-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-2

Quant Time: Feb 17 22:14:38 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	6.85	152	165511	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	601966	20.00	ng	-0.01
38) Acenaphthene-d10	9.89	164	304598	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	553012	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	487022	20.00	ng	-0.01
86) Perylene-d12	15.44	264	360024	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	987517	102.36	ng	0.00
7) Phenol-d6	6.49	99	1294829	104.31	ng	0.00
23) Nitrobenzene-d5	7.41	82	788219	72.92	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	262046	118.95	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1428080	84.94	ng	0.00
78) Terphenyl-d14	12.96	244	1153857	55.67	ng	-0.01

Target Compounds						Qvalue
9) Benzaldehyde	6.62	77	22399	2.52	ng	82
10) Phenol	6.51	94	80258	5.53	ng	# 60
19) n-Nitroso-di-n-propylamine	7.41	70	103890	13.15	ng	# 80
25) Isophorone	7.41	82	743375	36.90	ng	# 65
49) Dimethylphthalate	9.61	163	323010	15.74	ng	99
56) 2,4-Dinitrotoluene	9.89	165	38259	6.49	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.68	198	476	2.80	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	20113	3.48	ng	# 1
70) Phenanthrene	11.39	178	80334	2.54	ng	98
74) Fluoranthene	12.58	202	124608	3.81	ng	96
77) Pyrene	12.81	202	110948	3.04	ng	99
80) Benzo(a)anthracene	14.00	228	60722	2.04	ng	99
87) Benzo(b)fluoranthene	15.03	252	67732	2.86	ng	# 96
88) Benzo(k)fluoranthene	15.03	252	67732	3.31	ng	# 95

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

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M-2

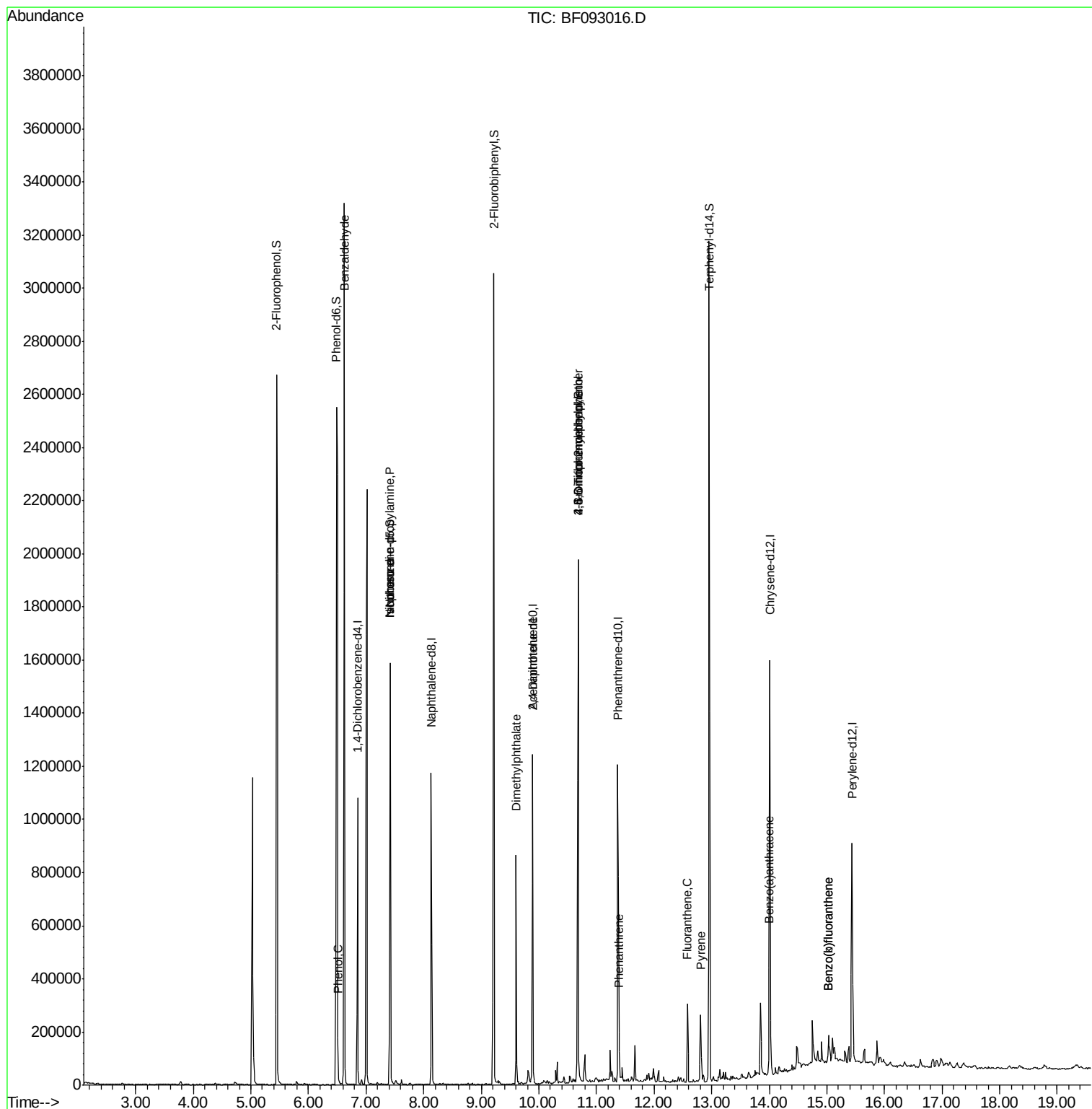
Quant Time: Feb 17 22:14:38 2017

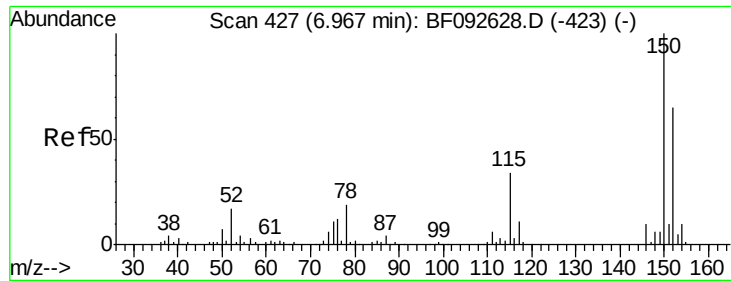
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.00 min

Lab File: BF093016.D

Acq: 17 Feb 2017 17:52

Instrument :

BNA_F

ClientSampleId :

M-2

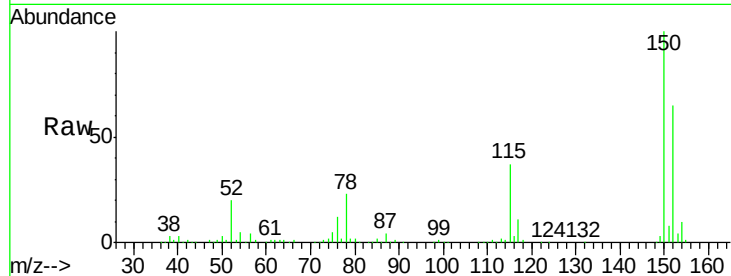
Tgt Ion:152 Resp: 165511

Ion Ratio Lower Upper

152 100

150 153.1 124.9 187.3

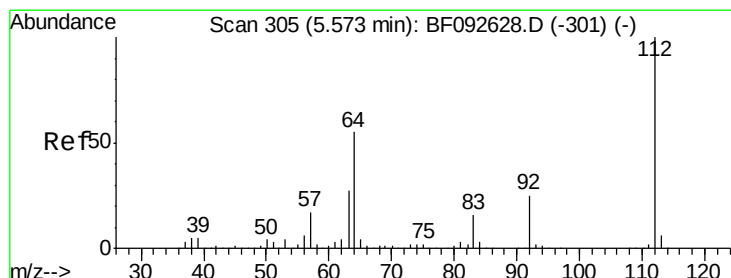
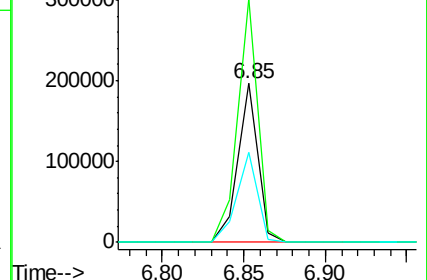
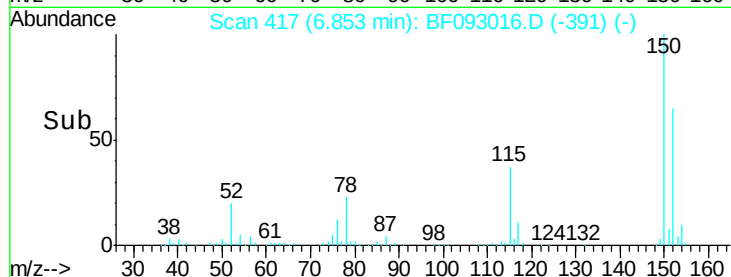
115 56.3 46.0 69.0



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: 102.36 ng

RT: 5.45 min Scan# 294

Delta R.T. -0.00 min

Lab File: BF093016.D

Acq: 17 Feb 2017 17:52

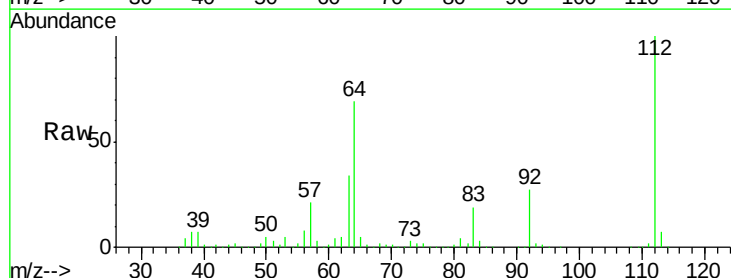
Tgt Ion:112 Resp: 987517

Ion Ratio Lower Upper

112 100

64 69.2 46.1 69.1#

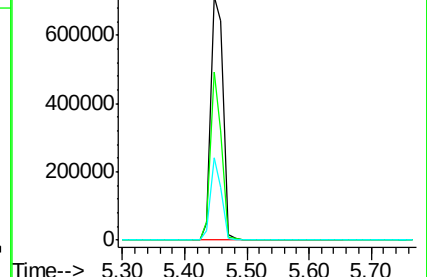
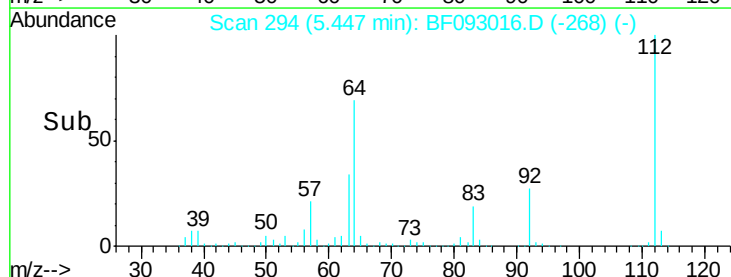
63 34.0 23.8 35.6

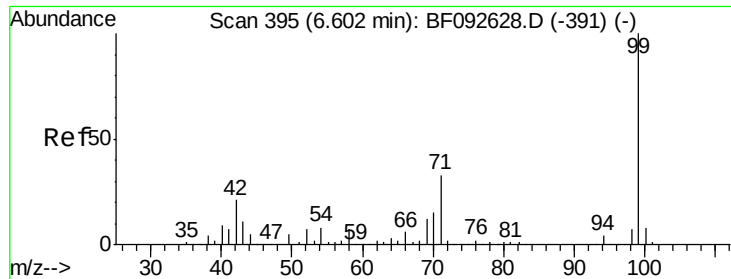


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 104.31 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.00 min

Lab File: BF093016.D

Acq: 17 Feb 2017 17:52

Instrument :

BNA_F

ClientSampled :

M-2

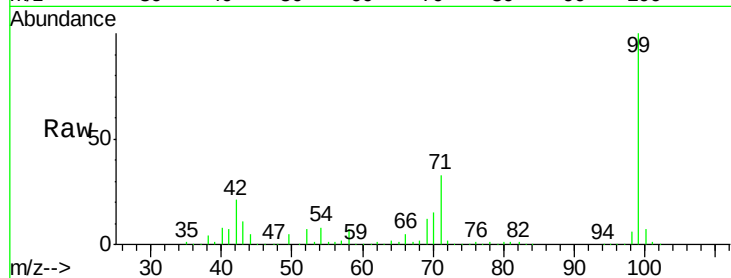
Tgt Ion: 99 Resp: 1294829

Ion Ratio Lower Upper

99 100

42 20.7 15.6 23.4

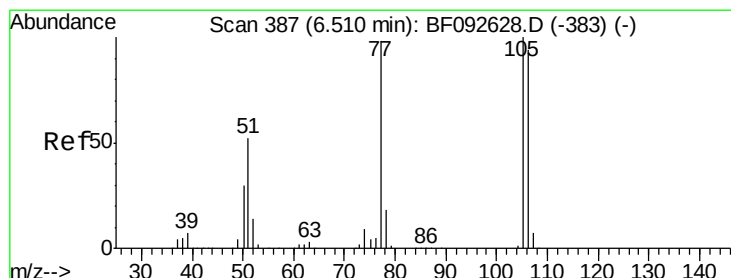
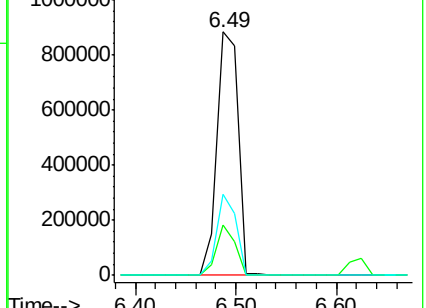
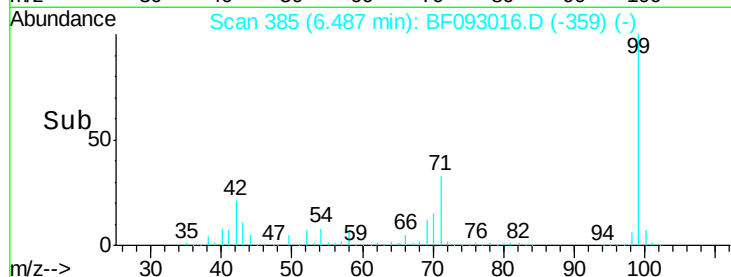
71 33.1 27.5 41.3



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



#9

Benzaldehyde

Concen: 2.52 ng

RT: 6.62 min Scan# 397

Delta R.T. 0.23 min

Lab File: BF093016.D

Acq: 17 Feb 2017 17:52

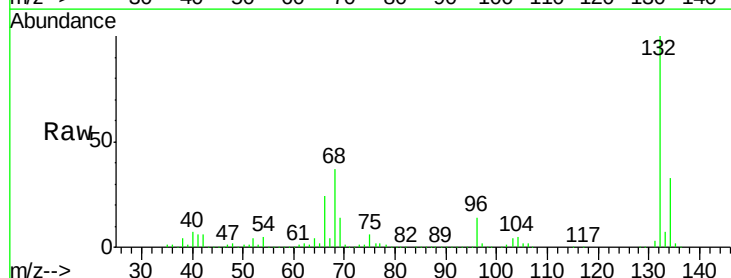
Tgt Ion: 77 Resp: 22399

Ion Ratio Lower Upper

77 100

105 84.1 83.9 123.9

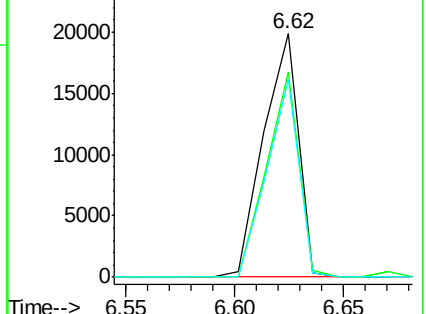
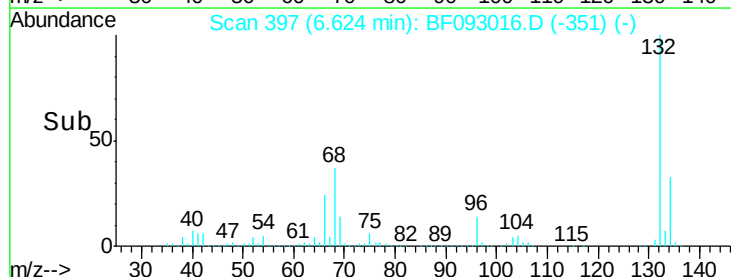
106 81.4 77.6 117.6

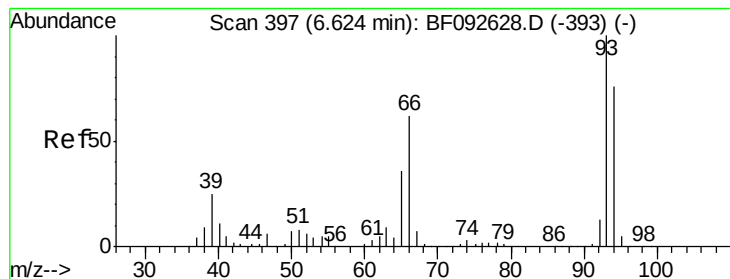


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 5.53 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.00 min

Lab File: BF093016.D

Acq: 17 Feb 2017 17:52

Instrument :

BNA_F

ClientSampleId :

M-2

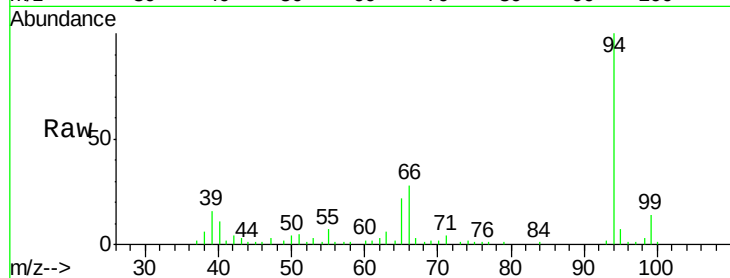
Tgt Ion: 94 Resp: 80258

Ion Ratio Lower Upper

94 100

65 22.3 21.4 61.4

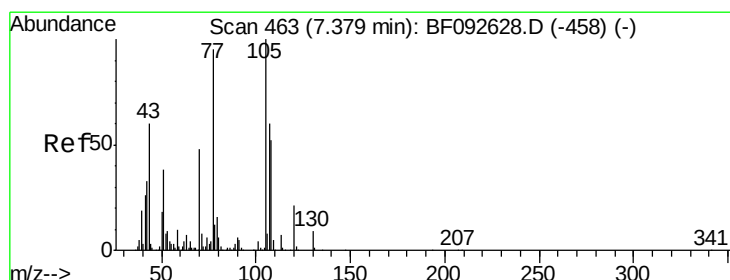
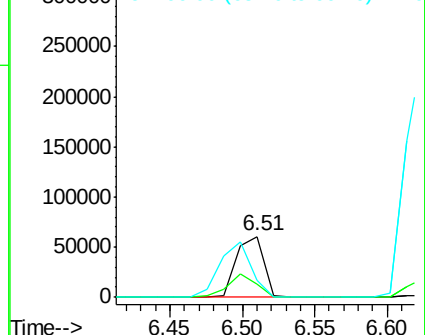
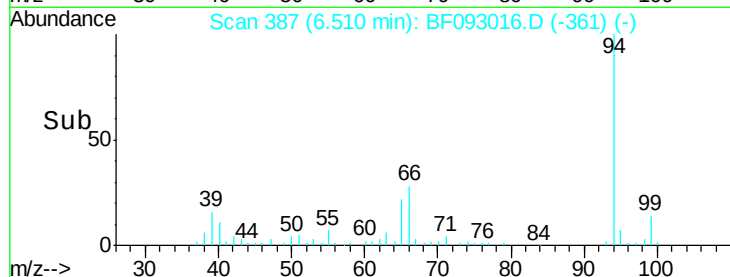
66 27.5 44.0 84.0#



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: 13.15 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.14 min

Lab File: BF093016.D

Acq: 17 Feb 2017 17:52

Tgt Ion: 70 Resp: 103890

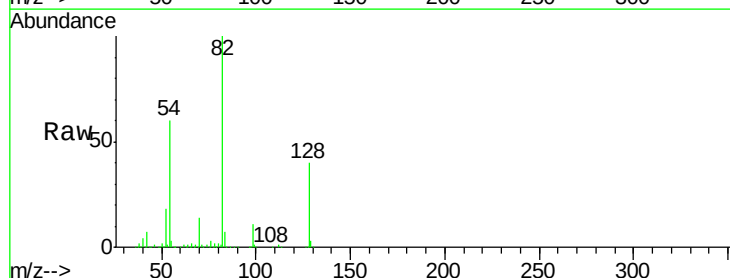
Ion Ratio Lower Upper

70 100

42 50.9 49.4 74.0

101 0.0 7.4 11.2#

130 1.9 14.2 21.4#

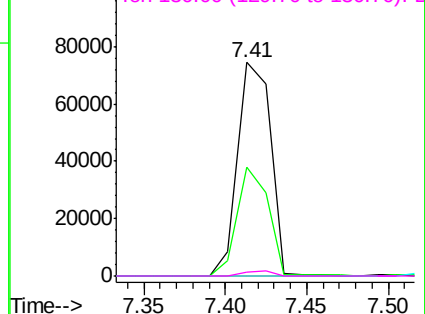
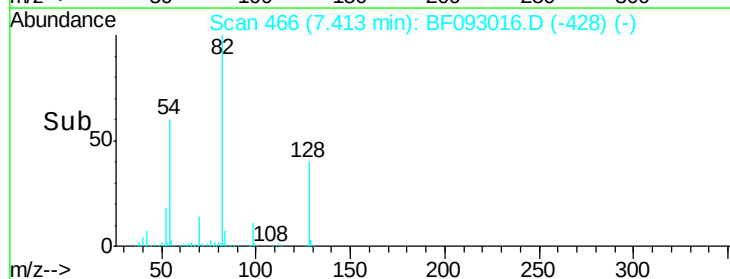


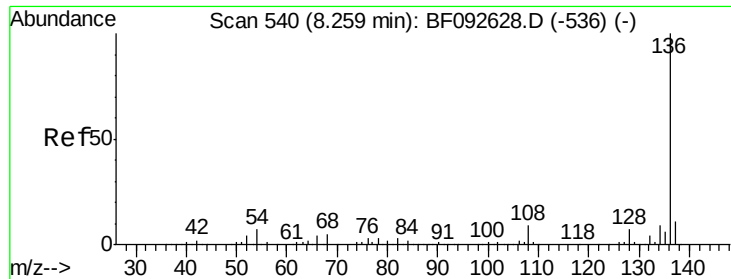
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

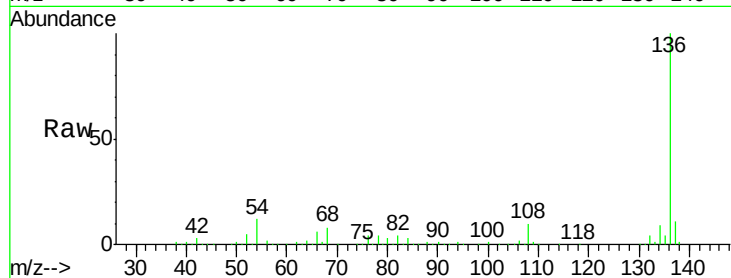




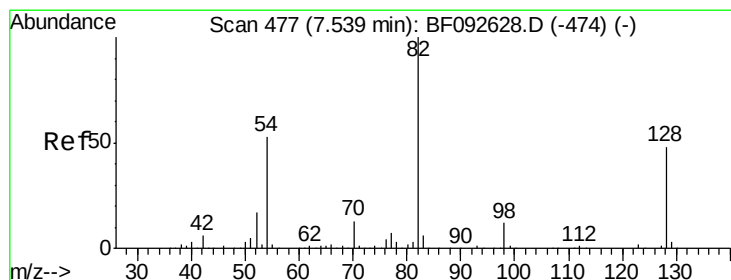
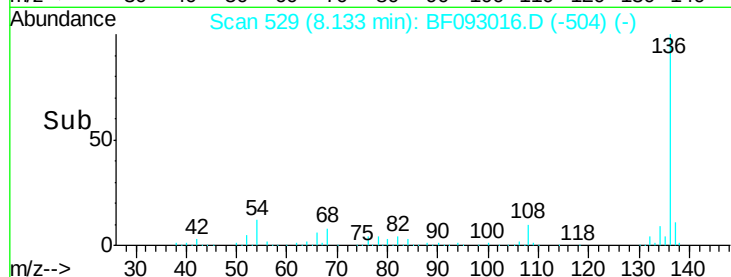
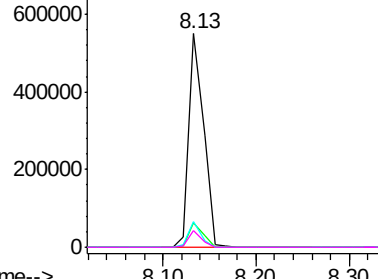
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.01 min
Lab File: BF093016.D
Acq: 17 Feb 2017 17:52

Instrument :
BNA_F
ClientSampleId :
M-2

Tgt Ion:	136	Resp:	601966
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.4	12.6
54	12.0	4.5	6.7#
68	8.0	3.6	5.4#

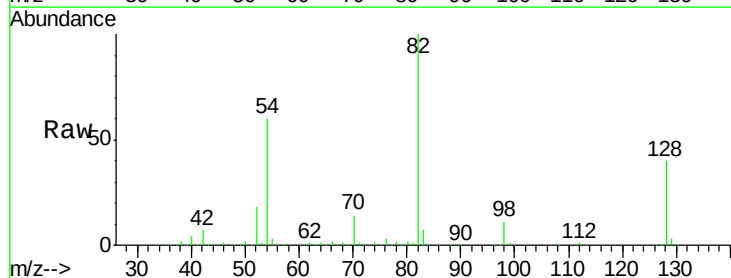


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

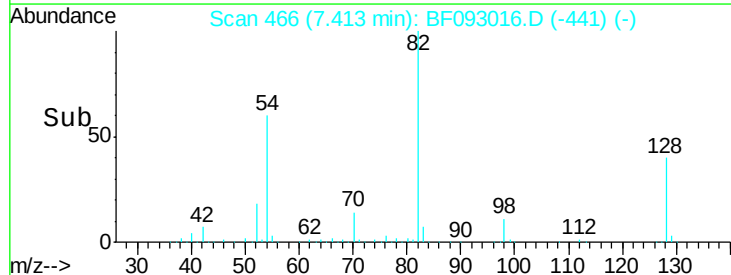
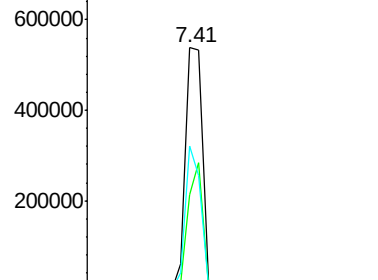


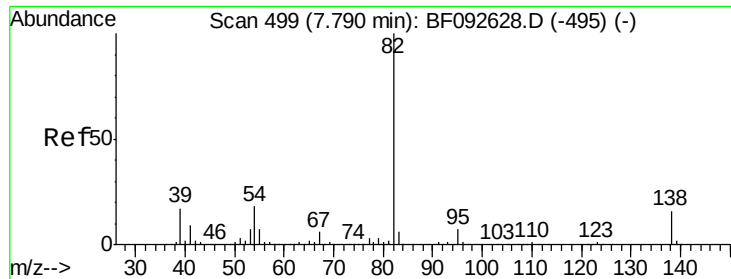
#23
Nitrobenzene-d5
Concen: 72.92 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.01 min
Lab File: BF093016.D
Acq: 17 Feb 2017 17:52

Tgt Ion:	82	Resp:	788219
Ion	Ratio	Lower	Upper
82	100		
128	39.5	34.6	52.0
54	59.5	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





#25

Isophorone

Concen: 36.90 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.27 min

Lab File: BF093016.D

Acq: 17 Feb 2017 17:52

Instrument :

BNA_F

ClientSampleId :

M-2

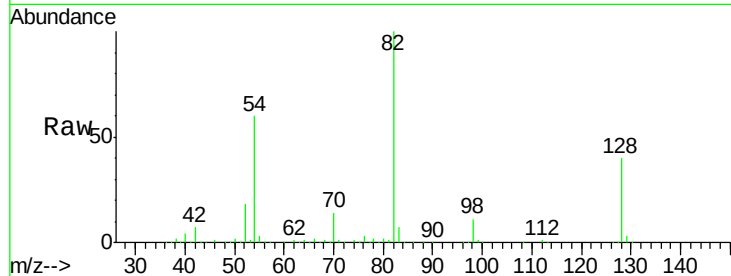
Tgt Ion: 82 Resp: 743375

Ion Ratio Lower Upper

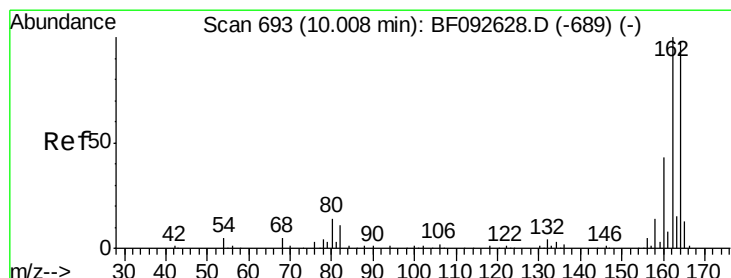
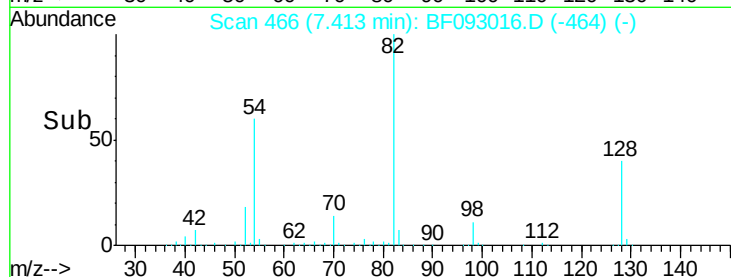
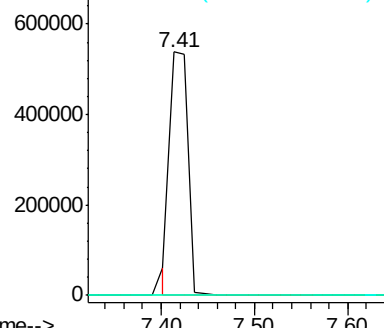
82 100

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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.00 min

Lab File: BF093016.D

Acq: 17 Feb 2017 17:52

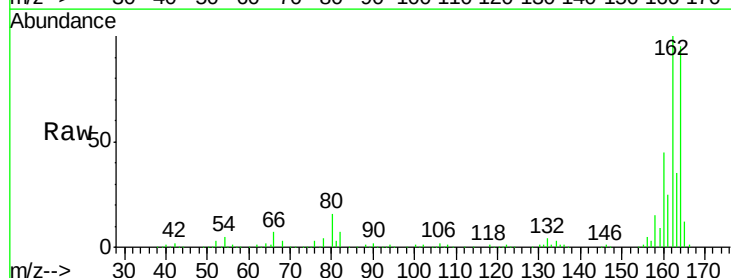
Tgt Ion: 164 Resp: 304598

Ion Ratio Lower Upper

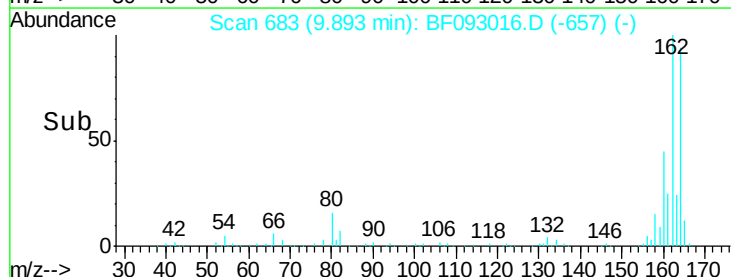
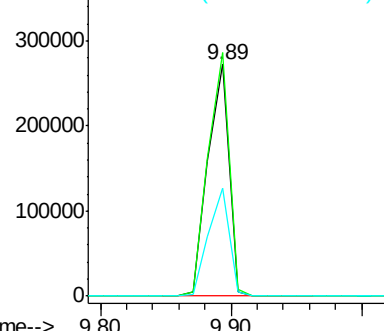
164 100

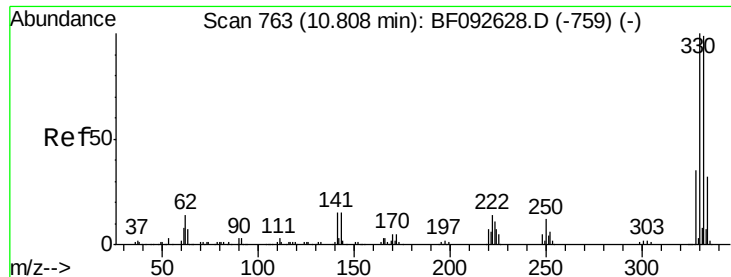
162 104.9 80.2 120.2

160 46.7 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

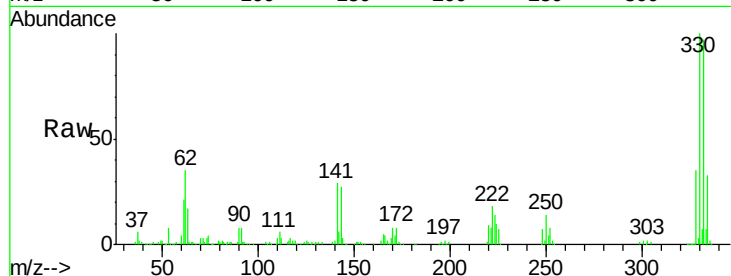




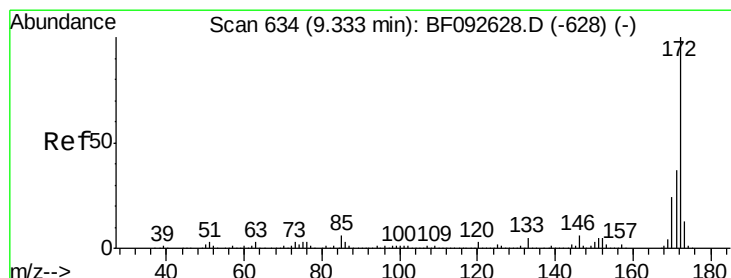
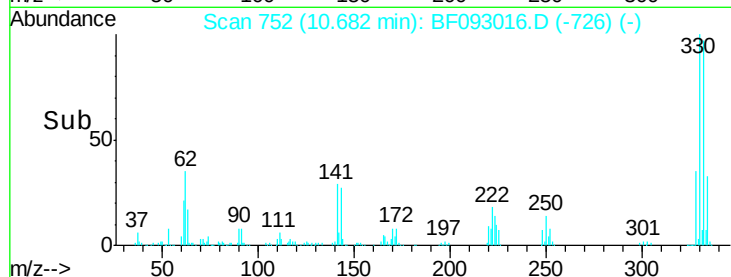
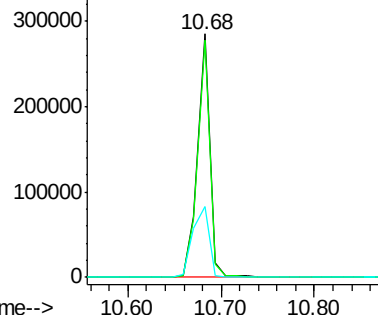
#41
 2,4,6-Tribromophenol
 Concen: 118.95 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: BF093016.D
 Acq: 17 Feb 2017 17:52

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion:330 Resp: 262046
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.4 116.2
 141 38.8 34.1 51.1

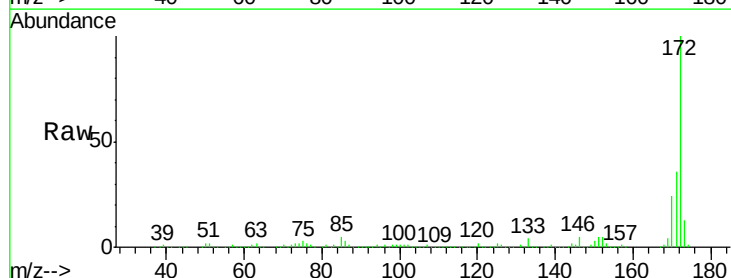


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

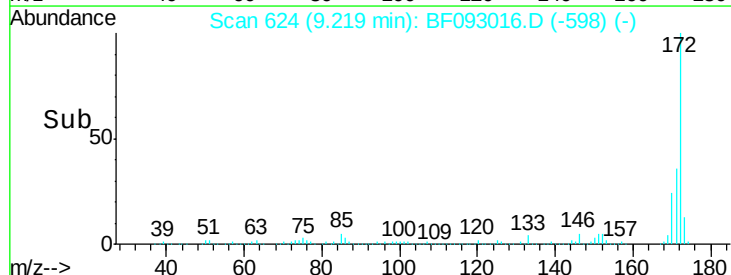
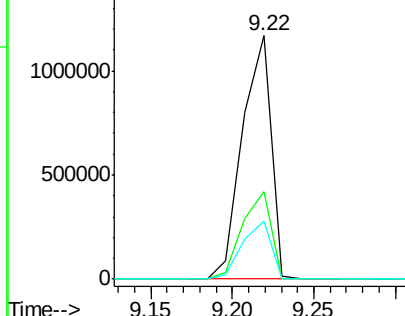


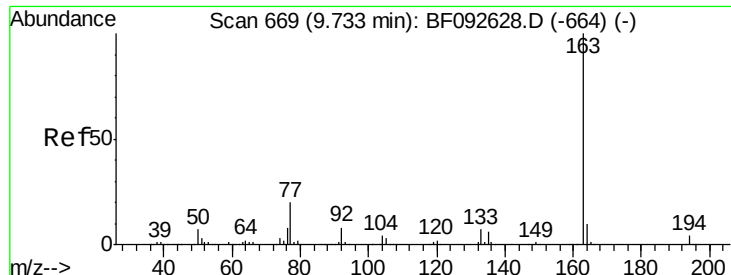
#44
 2-Fluorobiphenyl
 Concen: 84.94 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.00 min
 Lab File: BF093016.D
 Acq: 17 Feb 2017 17:52

Tgt Ion:172 Resp: 1428080
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.4 44.0
 170 24.1 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: 15.74 ng

RT: 9.61 min Scan# 658

Delta R.T. -0.01 min

Lab File: BF093016.D

Acq: 17 Feb 2017 17:52

Instrument :

BNA_F

ClientSampled :

M-2

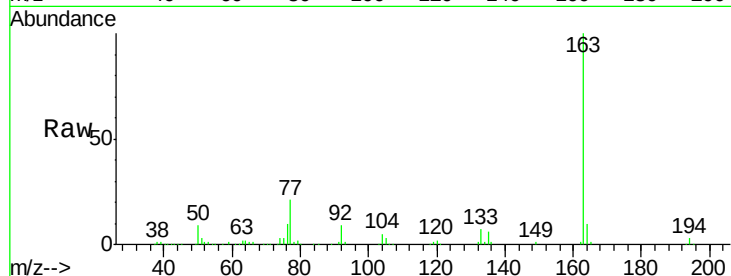
Tgt Ion:163 Resp: 323010

Ion Ratio Lower Upper

163 100

194 3.3 3.0 4.4

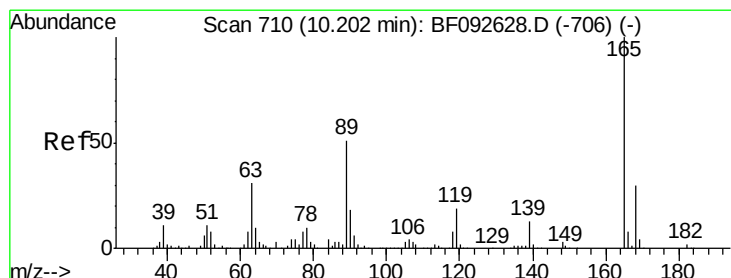
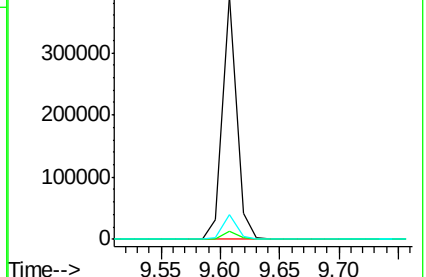
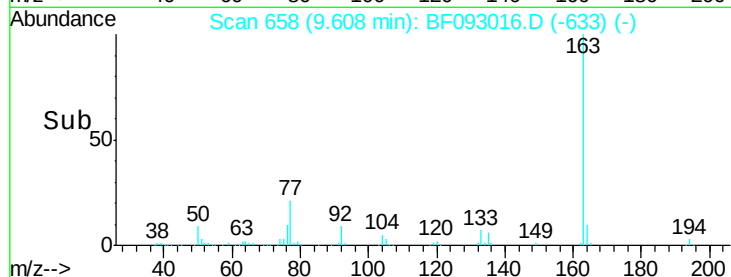
164 10.1 8.0 12.0



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: 6.49 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.19 min

Lab File: BF093016.D

Acq: 17 Feb 2017 17:52

Tgt Ion:165 Resp: 38259

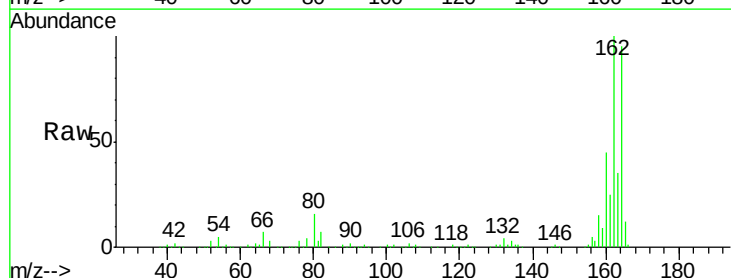
Ion Ratio Lower Upper

165 100

63 1.5 40.2 60.4#

89 1.6 62.5 93.7#

182 0.0 1.8 2.8#

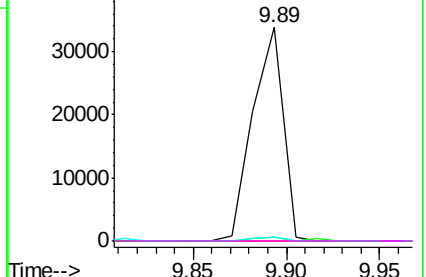
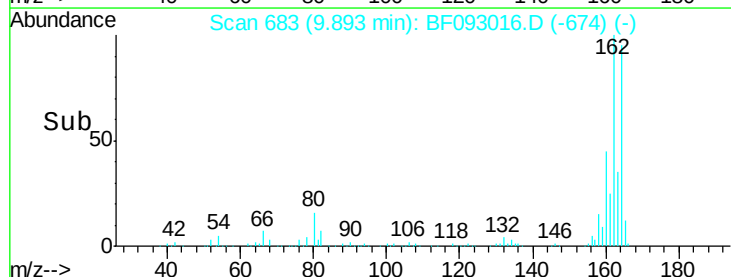


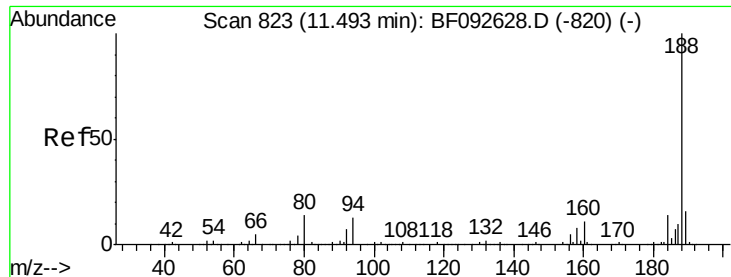
Abundance Ion 165.00 (164.70 to 165.70): E

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

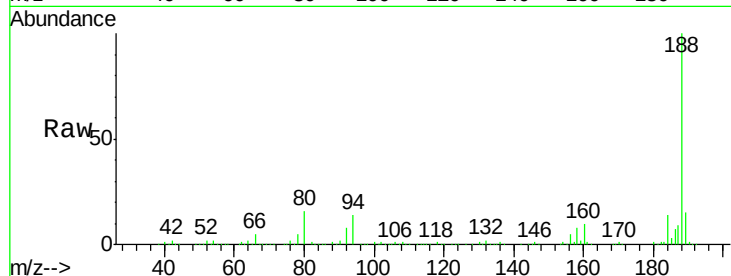




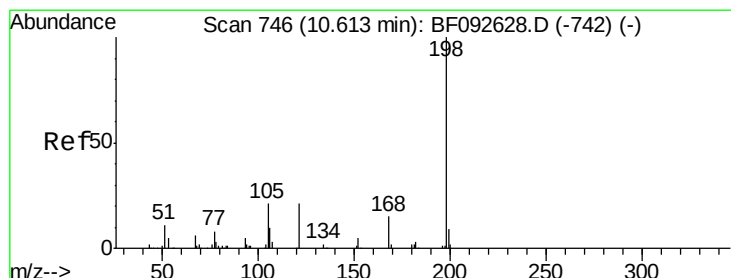
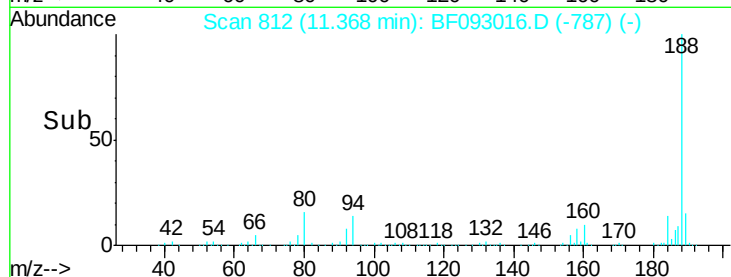
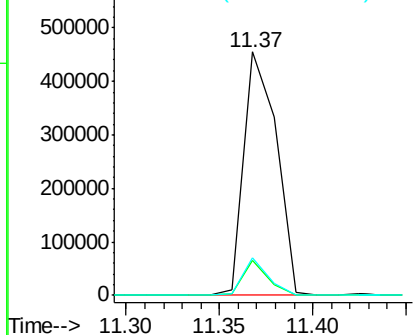
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF093016.D
 Acq: 17 Feb 2017 17:52

Instrument :
 BNA_F
 ClientSampleId :
 M-2

Tgt Ion:188 Resp: 553012
 Ion Ratio Lower Upper
 188 100
 94 14.4 10.0 15.0
 80 15.6 11.2 16.8

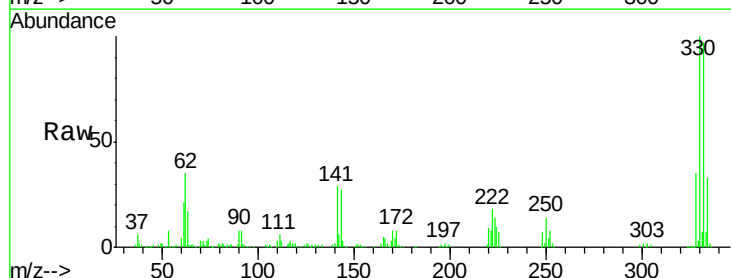


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

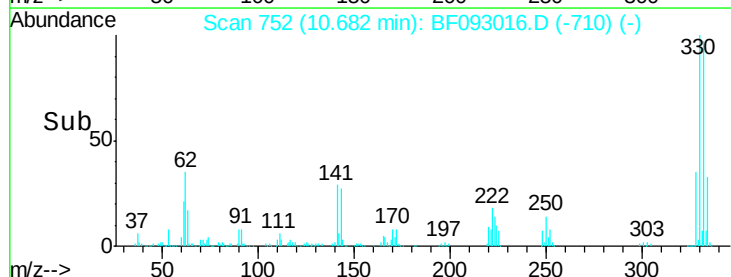
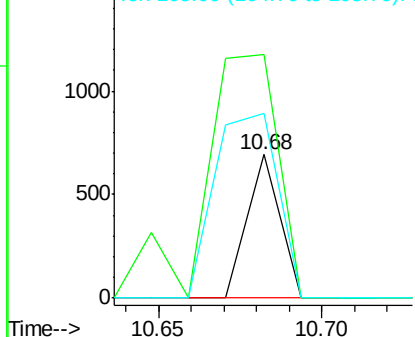


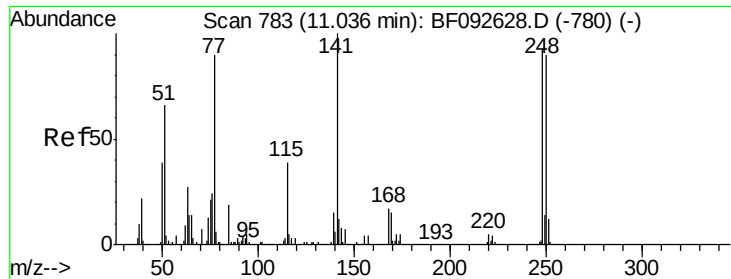
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.80 ng
 RT: 10.68 min Scan# 752
 Delta R.T. 0.18 min
 Lab File: BF093016.D
 Acq: 17 Feb 2017 17:52

Tgt Ion:198 Resp: 476
 Ion Ratio Lower Upper
 198 100
 51 169.5 6.7 46.7#
 105 128.8 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

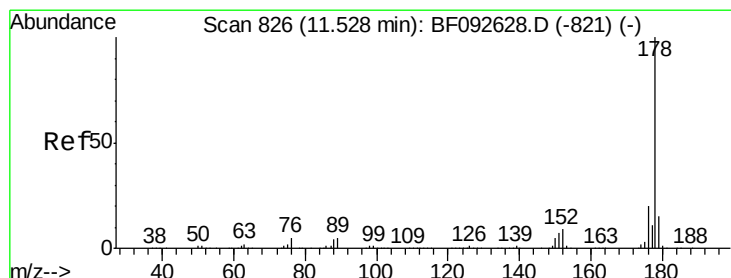
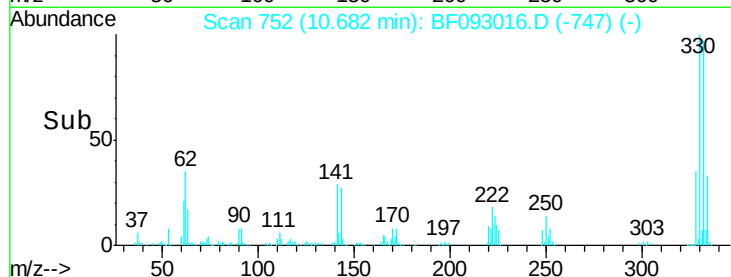
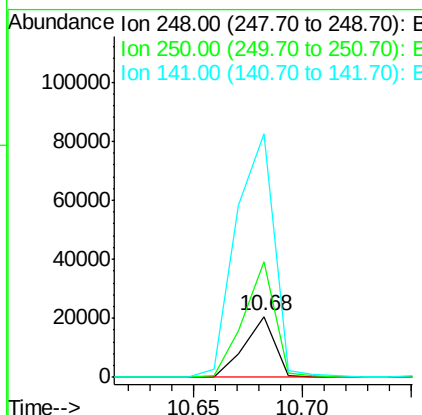
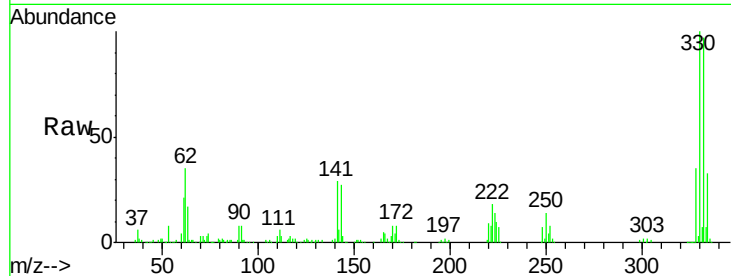




#66
4-Bromophenyl-phenylether
Concen: 3.48 ng
RT: 10.68 min Scan# 752
Delta R.T. -0.24 min
Lab File: BF093016.D
Acq: 17 Feb 2017 17:52

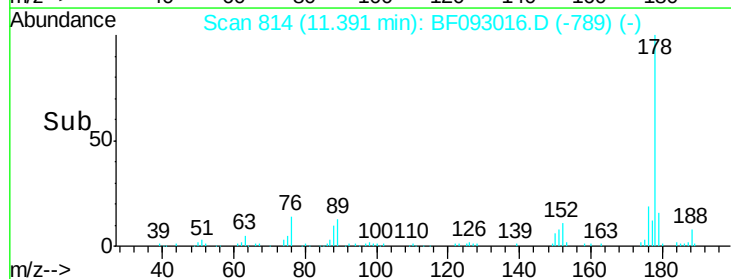
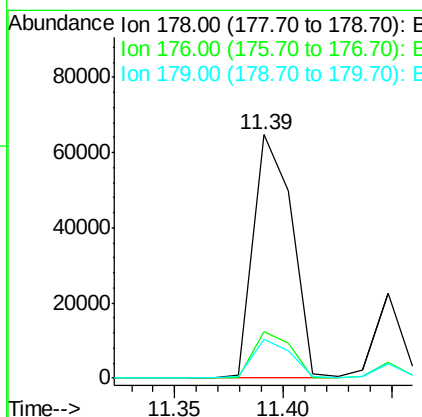
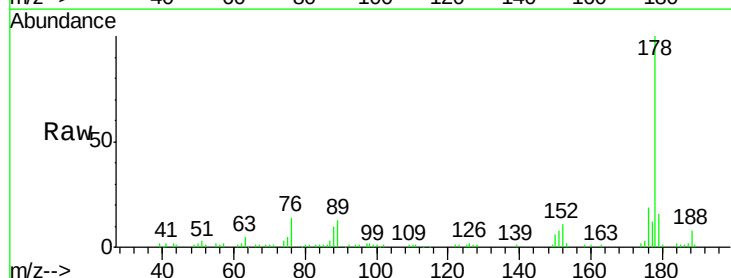
Instrument :
BNA_F
ClientSampleId :
M-2

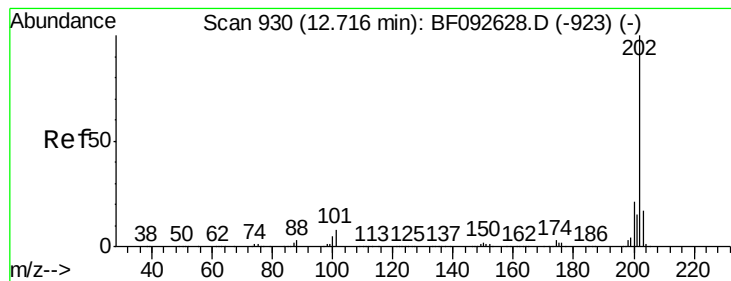
Tgt Ion:248 Resp: 20113
Ion Ratio Lower Upper
248 100
250 189.7 76.9 115.3#
141 398.8 68.2 102.4#



#70
Phenanthrene
Concen: 2.54 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF093016.D
Acq: 17 Feb 2017 17:52

Tgt Ion:178 Resp: 80334
Ion Ratio Lower Upper
178 100
176 19.0 16.6 25.0
179 15.9 12.8 19.2





#74

Fluoranthene

Concen: 3.81 ng

RT: 12.58 min Scan# 918

Delta R.T. -0.01 min

Lab File: BF093016.D

Acq: 17 Feb 2017 17:52

Instrument :

BNA_F

ClientSampleId :

M-2

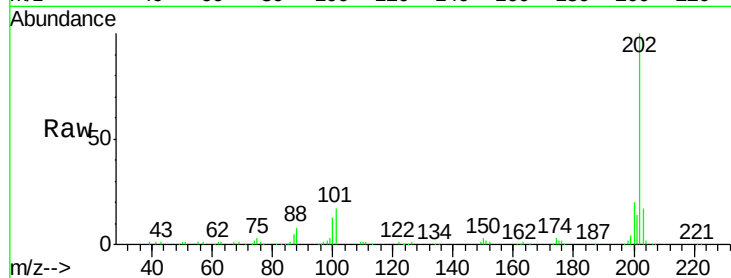
Tgt Ion: 202 Resp: 124608

Ion Ratio Lower Upper

202 100

101 16.9 0.0 34.6

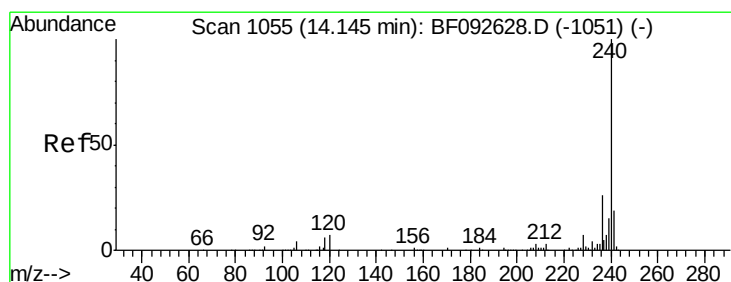
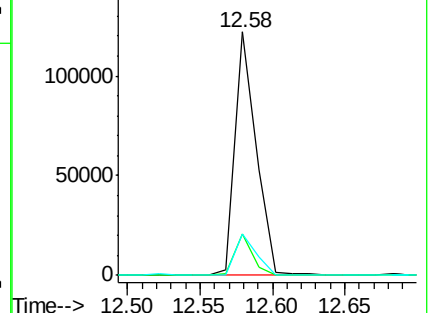
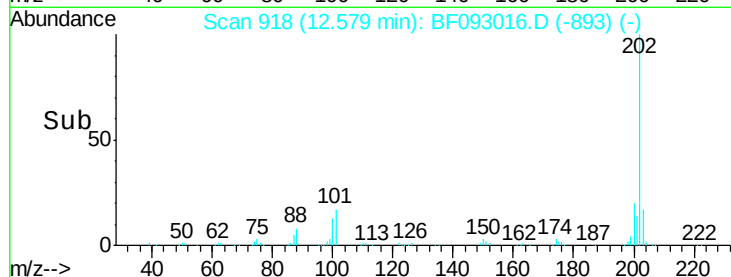
203 17.2 0.0 38.7



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: BF093016.D

Acq: 17 Feb 2017 17:52

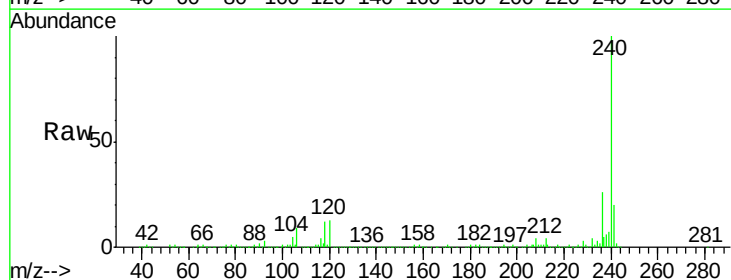
Tgt Ion: 240 Resp: 487022

Ion Ratio Lower Upper

240 100

120 13.3 12.9 19.3

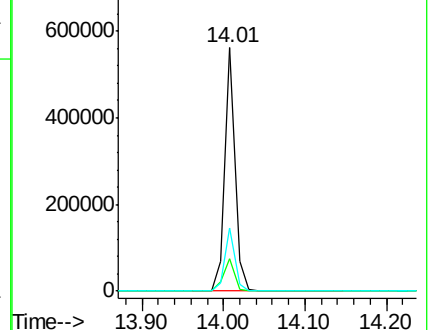
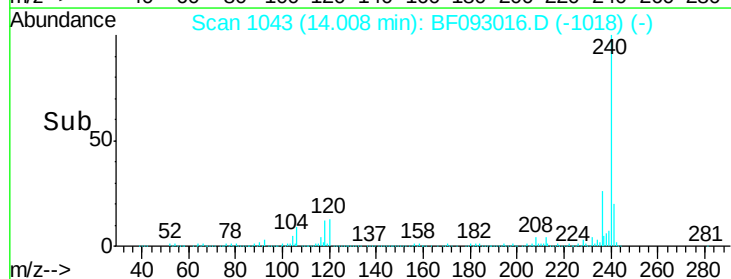
236 26.1 20.9 31.3

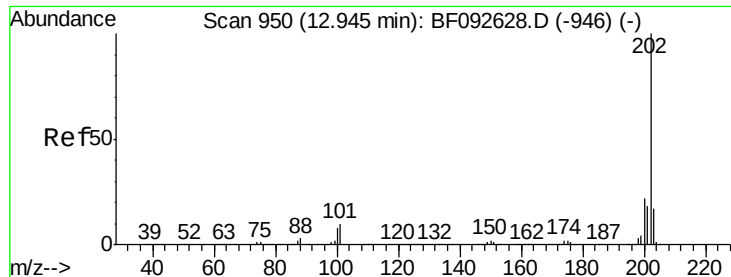


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 3.04 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.01 min

Lab File: BF093016.D

Acq: 17 Feb 2017 17:52

Instrument :

BNA_F

ClientSampleId :

M-2

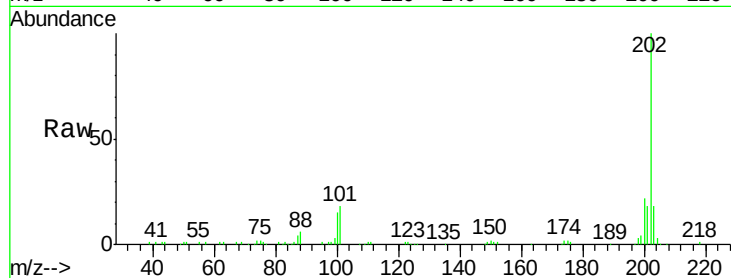
Tgt Ion:202 Resp: 110948

Ion Ratio Lower Upper

202 100

200 22.2 17.7 26.5

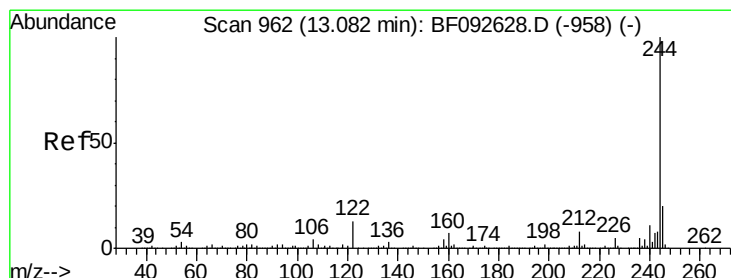
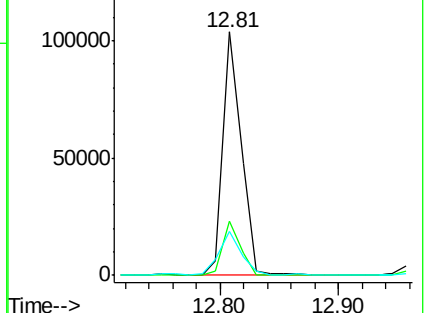
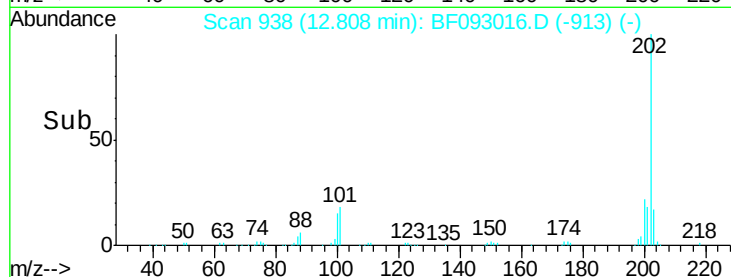
203 17.9 14.7 22.1



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: 55.67 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF093016.D

Acq: 17 Feb 2017 17:52

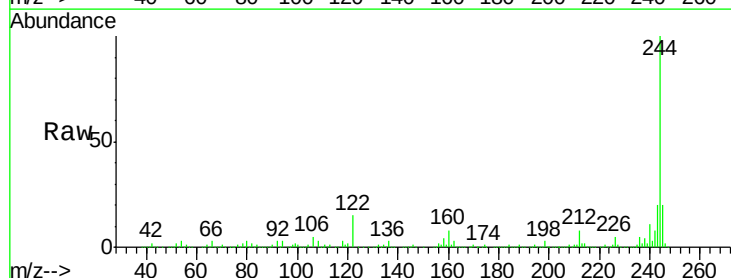
Tgt Ion:244 Resp: 1153857

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

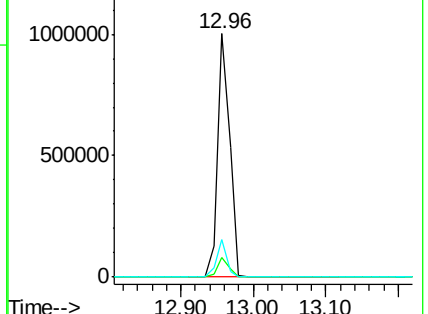
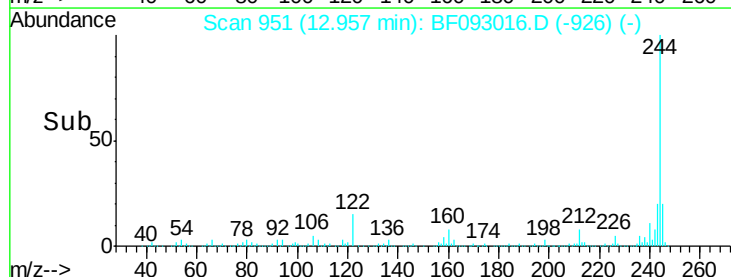
122 15.4 11.4 17.2

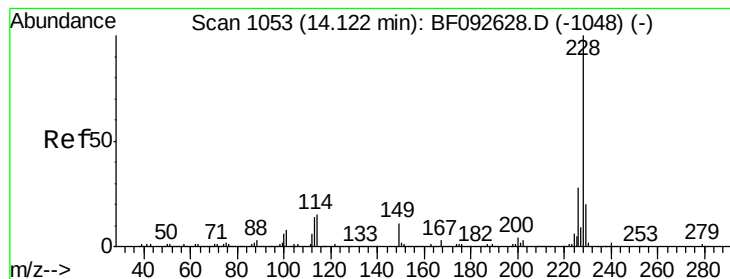


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.04 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BF093016.D

Acq: 17 Feb 2017 17:52

Instrument :

BNA_F

ClientSampleId :

M-2

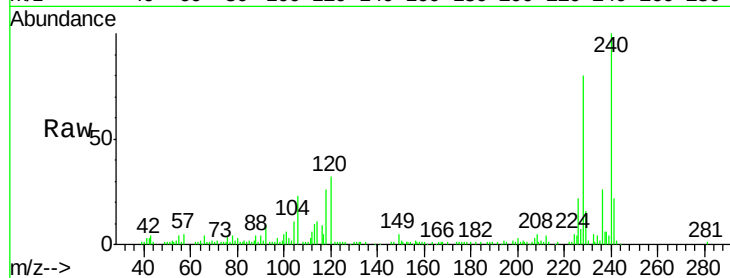
Tgt Ion:228 Resp: 60722

Ion Ratio Lower Upper

228 100

226 27.6 22.4 33.6

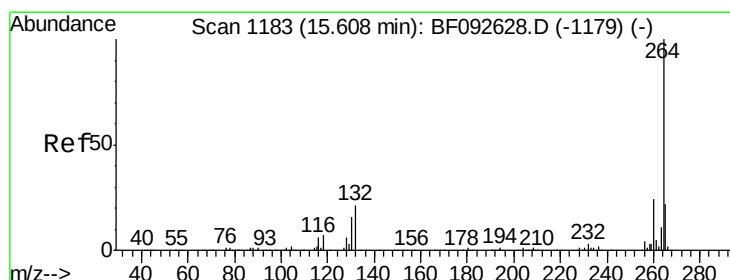
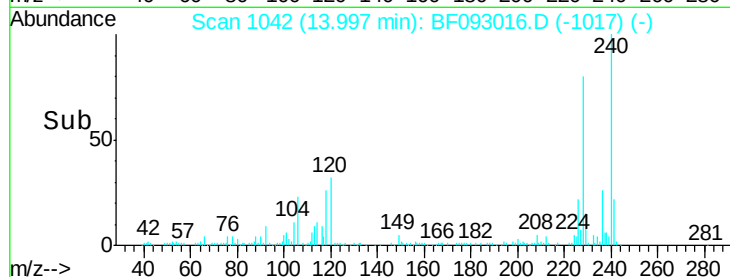
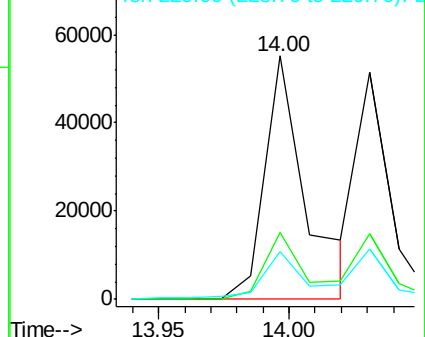
229 19.6 16.2 24.4



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.44 min Scan# 1168

Delta R.T. -0.01 min

Lab File: BF093016.D

Acq: 17 Feb 2017 17:52

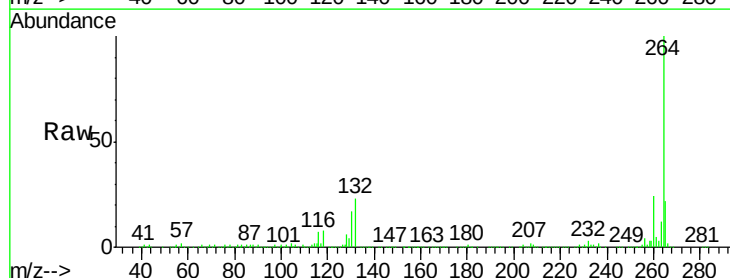
Tgt Ion:264 Resp: 360024

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

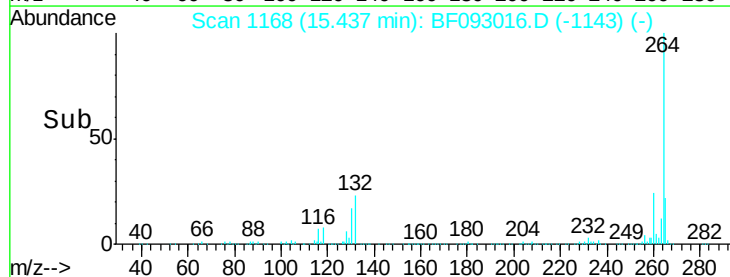
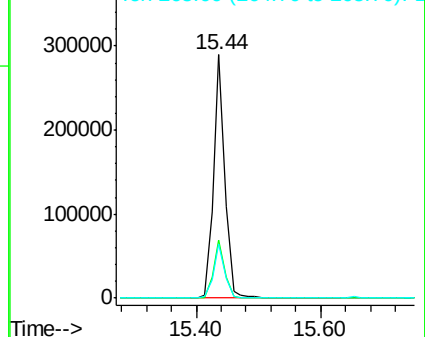
265 22.1 17.4 26.0

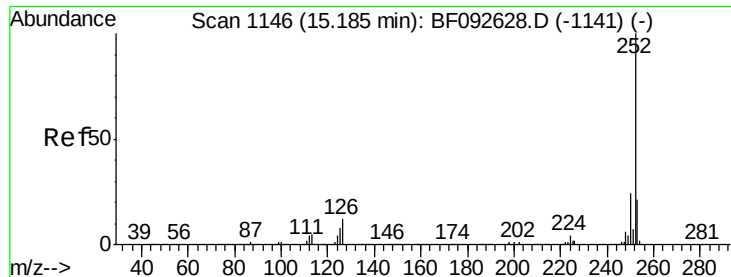


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

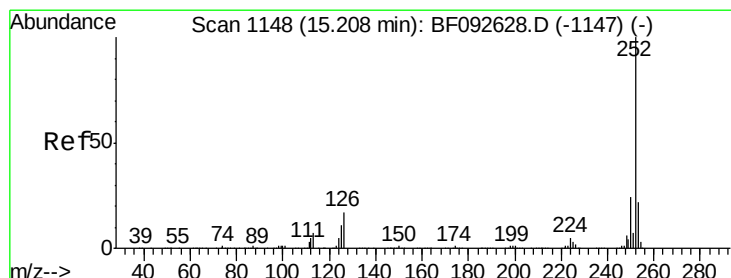
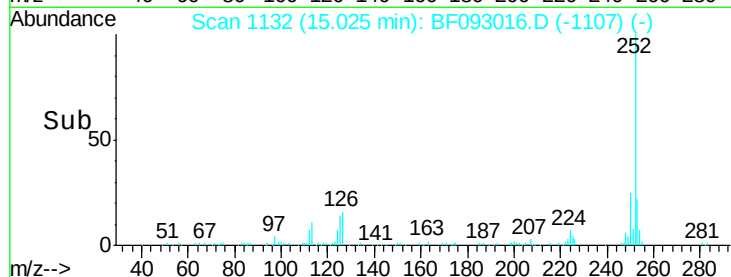
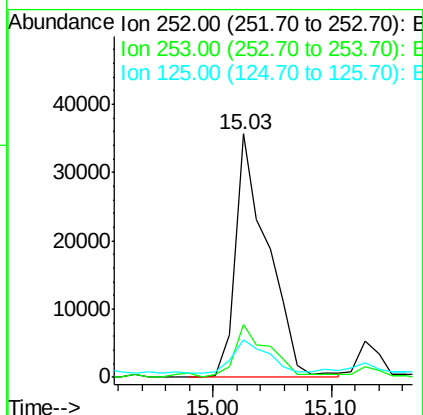
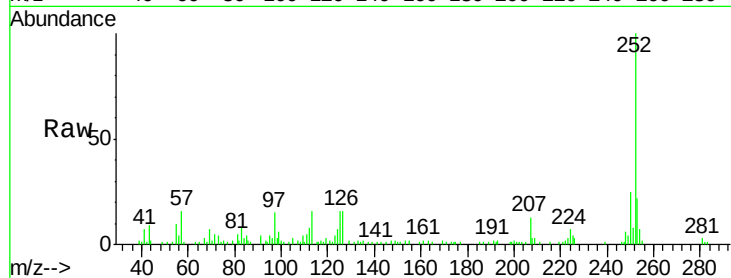




#87
Benzo(b)fluoranthene
Concen: 2.86 ng
RT: 15.03 min Scan# 1132
Delta R.T. -0.01 min
Lab File: BF093016.D
Acq: 17 Feb 2017 17:52

Instrument :
BNA_F
ClientSampled :
M-2

Tgt Ion:252 Resp: 67732
Ion Ratio Lower Upper
252 100
253 22.0 18.2 27.4
125 15.6 9.8 14.6#



#88
Benzo(k)fluoranthene
Concen: 3.31 ng
RT: 15.03 min Scan# 1132
Delta R.T. -0.05 min
Lab File: BF093016.D
Acq: 17 Feb 2017 17:52

Tgt Ion:252 Resp: 67732
Ion Ratio Lower Upper
252 100
253 22.0 18.5 27.7
125 15.6 8.9 13.3#

