

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011217\
 Data File : BF092222.D
 Acq On : 12 Jan 2017 22:05
 Operator : UM/SJ
 Sample : I1030-13
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-0017

Quant Time: Jan 12 23:44:28 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 15:43:51 2017
 Response via : Initial Calibration

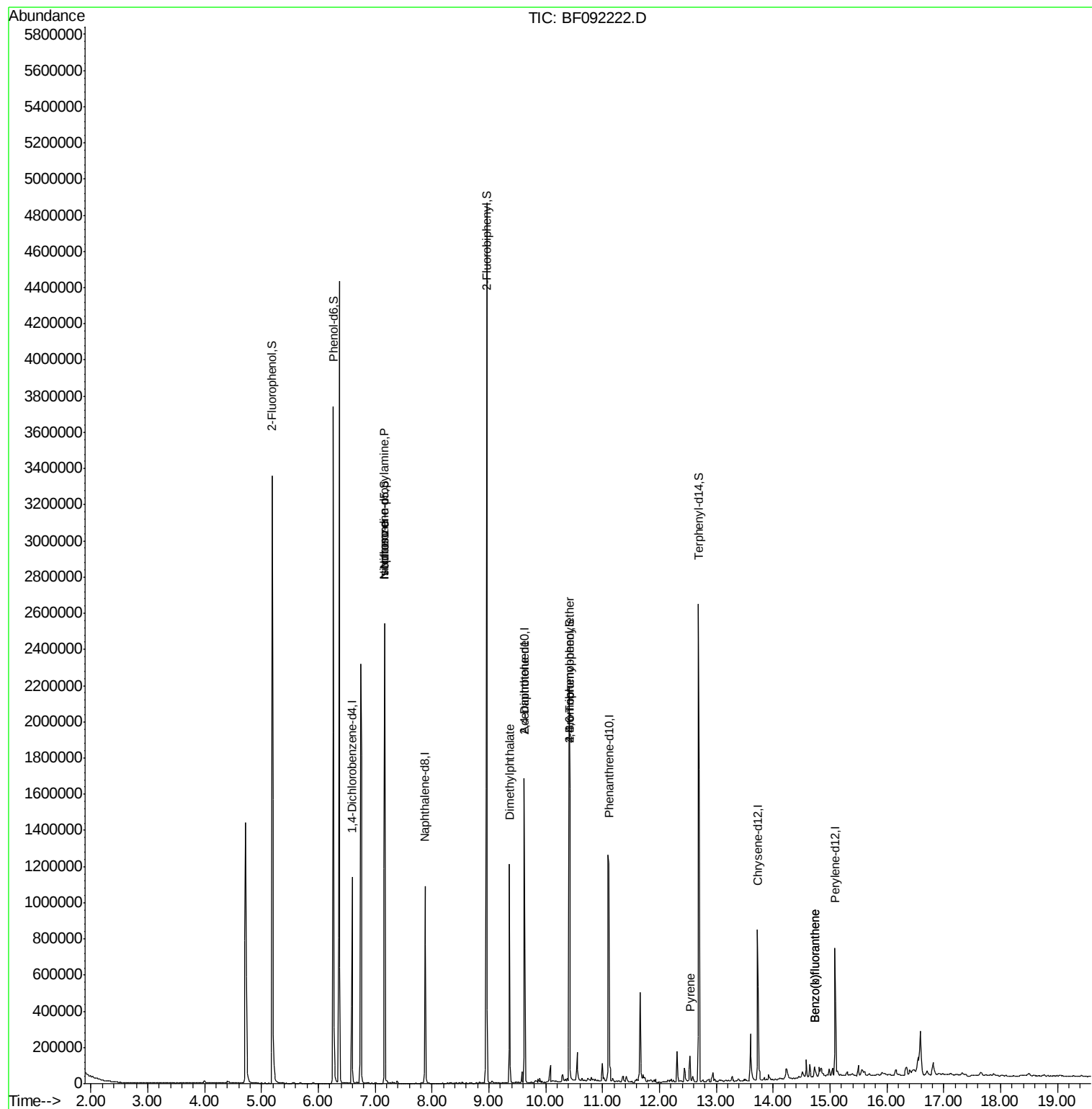
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	192005	20.00	ng	-0.05
21) Naphthalene-d8	7.88	136	679076	20.00	ng	-0.06
38) Acenaphthene-d10	9.62	164	419599	20.00	ng	-0.06
63) Phenanthrene-d10	11.11	188	690511	20.00	ng	-0.05
75) Chrysene-d12	13.73	240	341194	20.00	ng	-0.06
86) Perylene-d12	15.09	264	324158	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	1124016	97.75	ng	-0.05
7) Phenol-d6	6.26	99	1495643	106.53	ng	-0.05
23) Nitrobenzene-d5	7.17	82	959332	78.55	ng	-0.05
41) 2,4,6-Tribromophenol	10.42	330	371269	106.92	ng	-0.05
44) 2-Fluorobiphenyl	8.96	172	1606743	77.29	ng	-0.05
78) Terphenyl-d14	12.69	244	1088729	77.39	ng	-0.06
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.17	70	129132	13.83	ng	# 75
25) Isophorone	7.17	82	951346	42.22	ng	# 65
37) 2-Methylnaphthalene	8.70	142	1684	Below Cal		95
49) Dimethylphthalate	9.36	163	464330	17.30	ng	99
56) 2,4-Dinitrotoluene	9.62	165	53787	7.30	ng	# 20
66) 4-Bromophenyl-phenylether	10.42	248	22440	3.12	ng	# 1
71) Anthracene	11.18	178	4789	Below Cal		97
73) Di-n-butylphthalate	11.68	149	6986	Below Cal	#	95
74) Fluoranthene	12.31	202	67639	Below Cal		95
76) Benzidine	12.69	184	13769	Below Cal	#	92
77) Pyrene	12.54	202	61135	2.44	ng	96
87) Benzo(b)fluoranthene	14.73	252	40664	2.01	ng	# 94
88) Benzo(k)fluoranthene	14.73	252	40664	2.36	ng	# 94

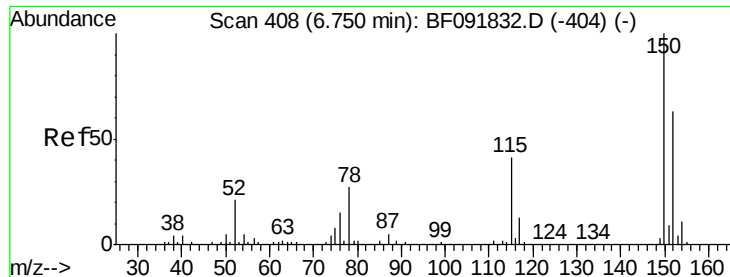
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.60 min Scan# 412

Delta R.T. -0.05 min

Lab File: BF092222.D

Acq: 12 Jan 2017 22:05

Instrument :

BNA_F

ClientSampleId :

COMP-0017

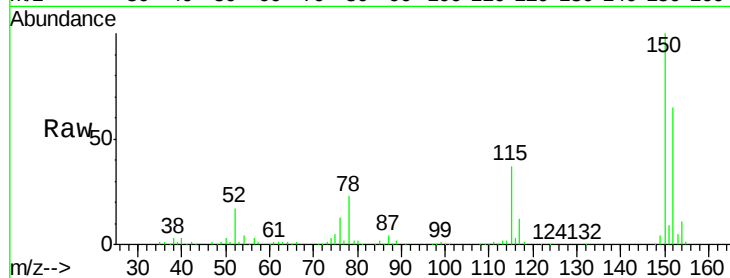
Tgt Ion:152 Resp: 192005

Ion Ratio Lower Upper

152 100

150 153.2 124.9 187.3

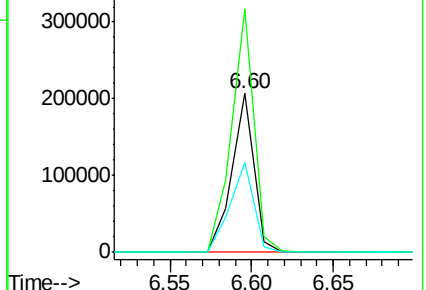
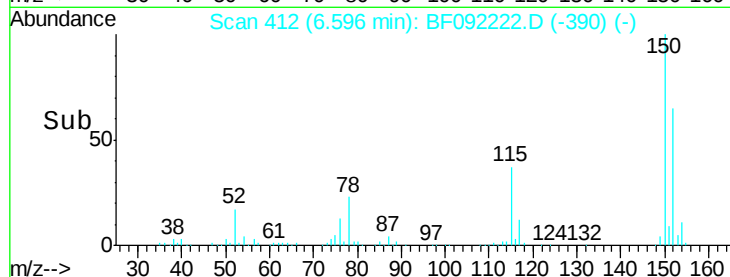
115 56.4 46.0 69.0



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: 97.75 ng

RT: 5.19 min Scan# 289

Delta R.T. -0.05 min

Lab File: BF092222.D

Acq: 12 Jan 2017 22:05

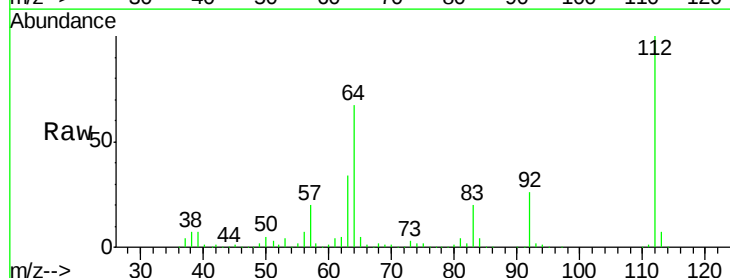
Tgt Ion:112 Resp: 1124016

Ion Ratio Lower Upper

112 100

64 66.8 46.1 69.1

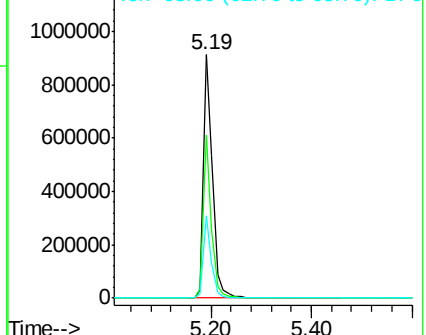
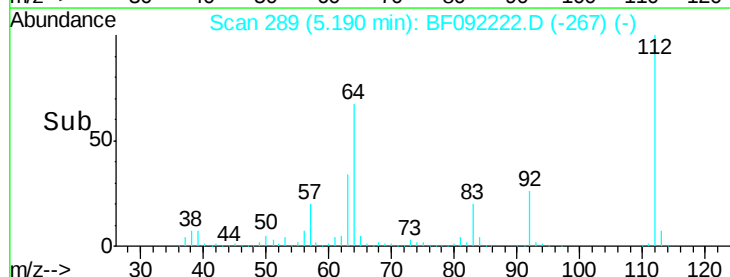
63 34.0 23.8 35.6



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: 106.53 ng

RT: 6.26 min Scan# 383

Delta R.T. -0.05 min

Lab File: BF092222.D

Acq: 12 Jan 2017 22:05

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COMP-0017

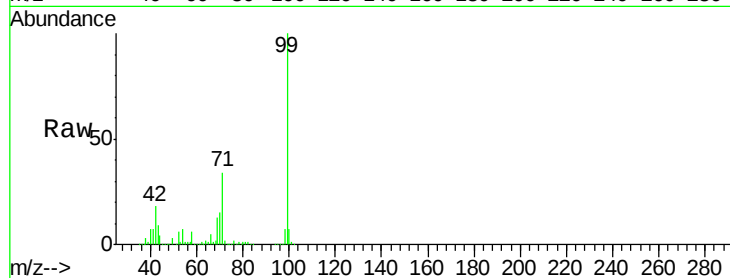
Tgt Ion: 99 Resp: 1495643

Ion Ratio Lower Upper

99 100

42 18.1 15.6 23.4

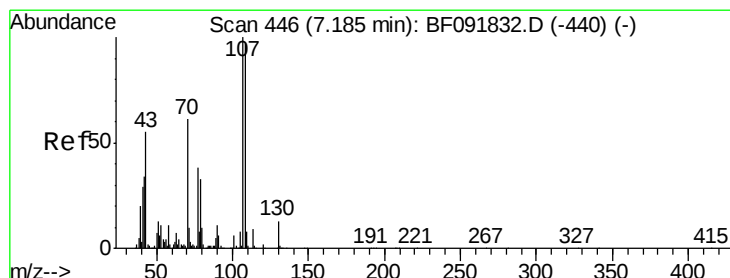
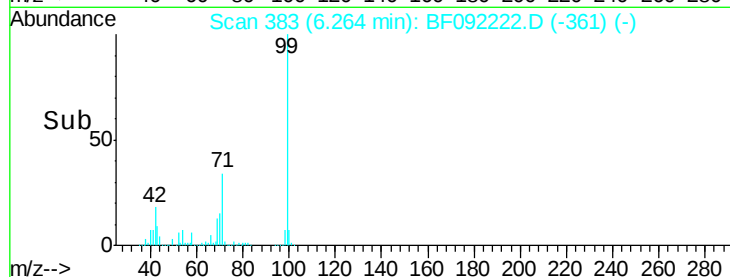
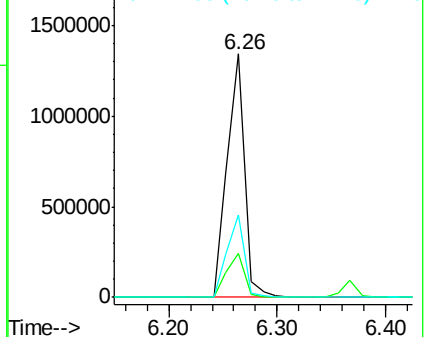
71 33.8 27.5 41.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.83 ng

RT: 7.17 min Scan# 462

Delta R.T. 0.09 min

Lab File: BF092222.D

Acq: 12 Jan 2017 22:05

Tgt Ion: 70 Resp: 129132

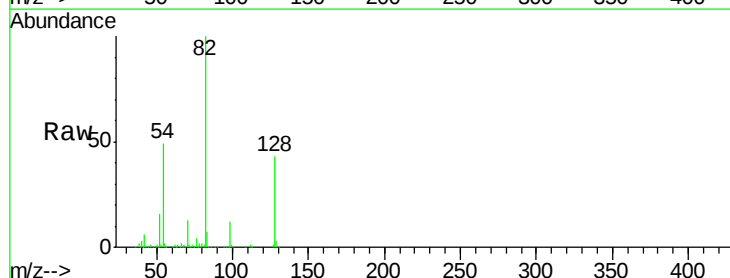
Ion Ratio Lower Upper

70 100

42 44.7 49.4 74.0#

101 0.0 7.4 11.2#

130 1.8 14.2 21.4#

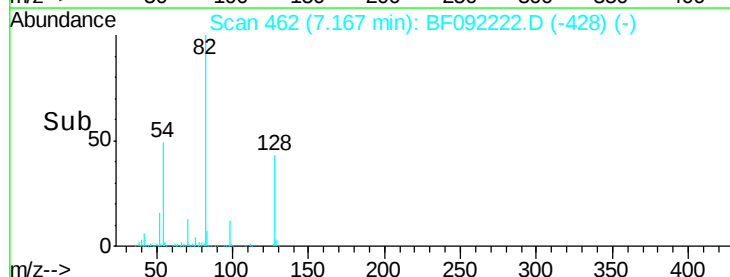
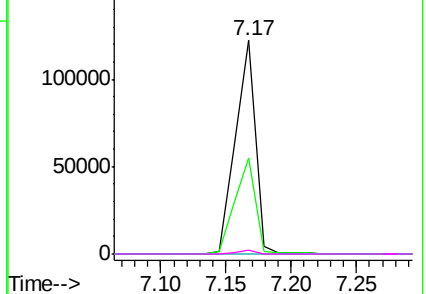


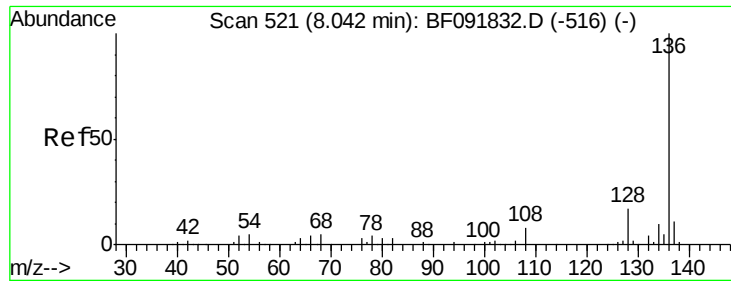
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

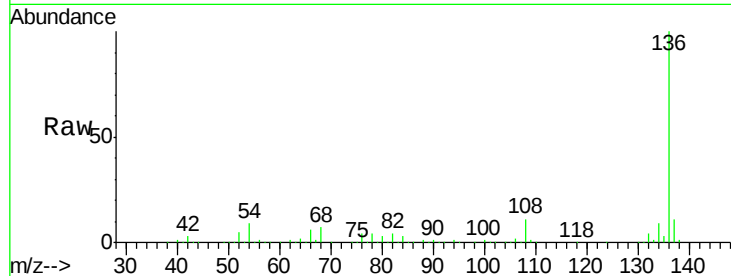




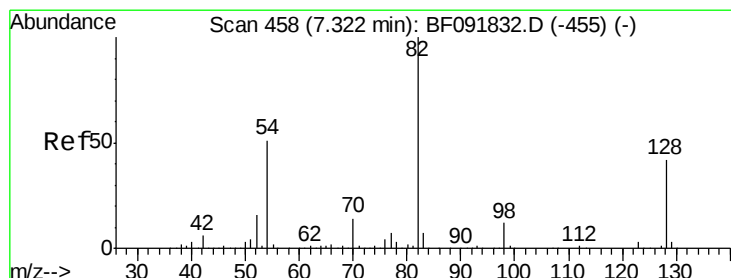
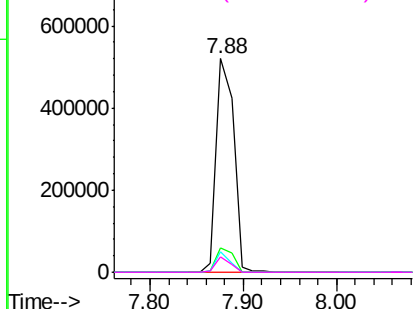
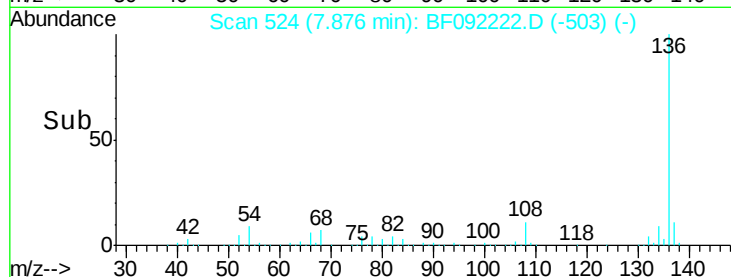
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.88 min Scan# 524
Delta R.T. -0.06 min
Lab File: BF092222.D
Acq: 12 Jan 2017 22:05

Instrument :
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COMP-0017

Tgt Ion:	136	Resp:	679076
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.4	12.6
54	9.4	4.5	6.7#
68	7.1	3.6	5.4#

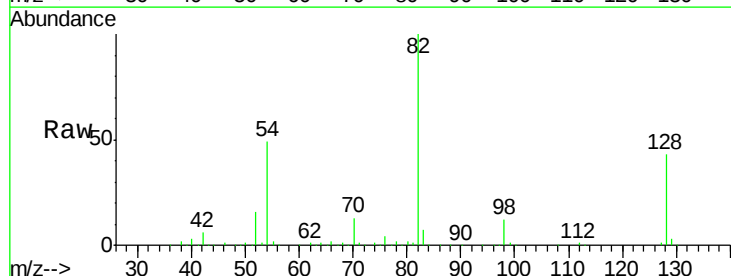


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

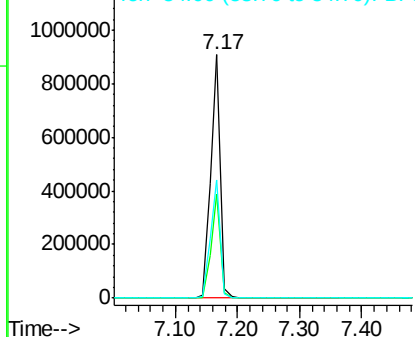
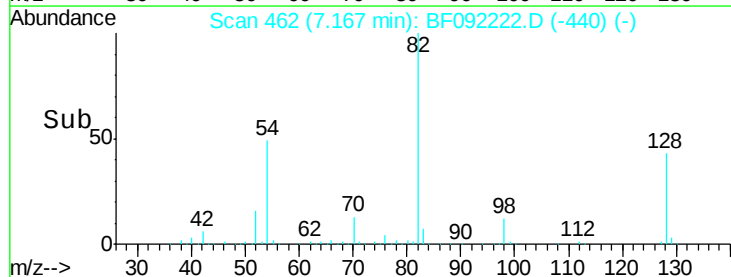


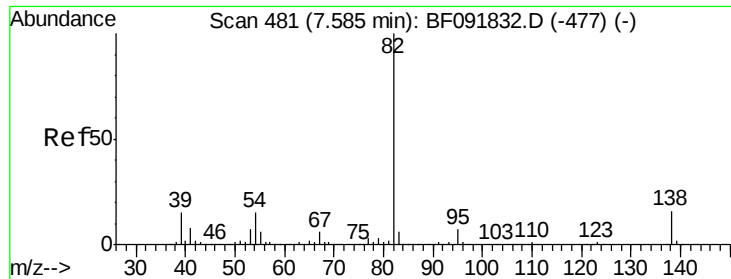
#23
Nitrobenzene-d5
Concen: 78.55 ng
RT: 7.17 min Scan# 462
Delta R.T. -0.05 min
Lab File: BF092222.D
Acq: 12 Jan 2017 22:05

Tgt Ion:	82	Resp:	959332
Ion	Ratio	Lower	Upper
82	100		
128	42.6	34.6	52.0
54	48.6	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: 42.22 ng

RT: 7.17 min Scan# 462

Delta R.T. -0.31 min

Lab File: BF092222.D

Acq: 12 Jan 2017 22:05

Instrument :

BNA_F

ClientSampleId :

COMP-0017

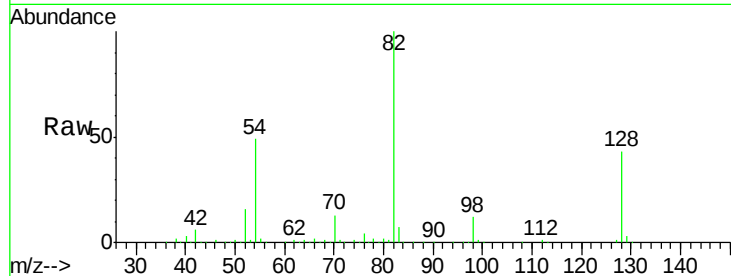
Tgt Ion: 82 Resp: 951346

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

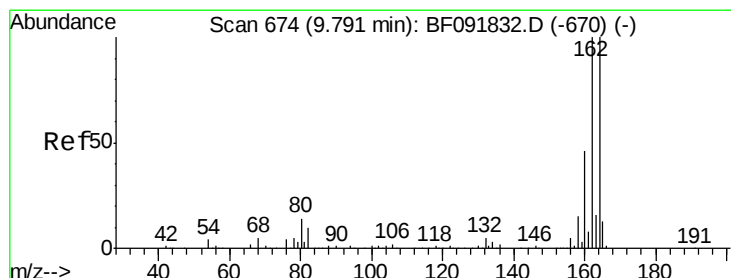
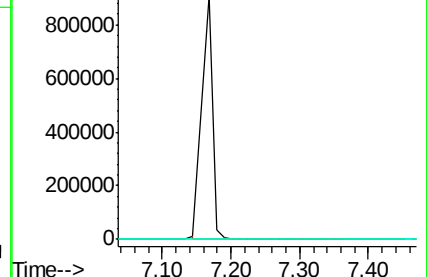
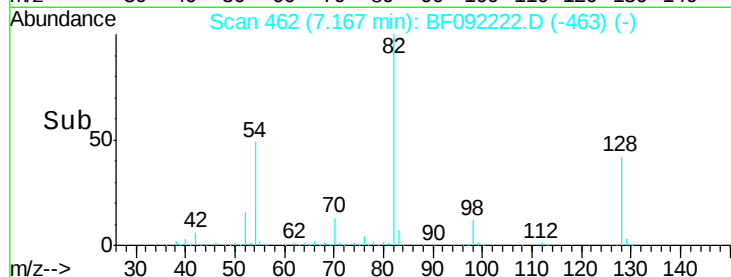
138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF092222.D (-462) (-)

Ion 95.00 (94.70 to 95.70): BF092222.D (-462) (-)

Ion 138.00 (137.70 to 138.70): BF092222.D (-462) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.62 min Scan# 677

Delta R.T. -0.06 min

Lab File: BF092222.D

Acq: 12 Jan 2017 22:05

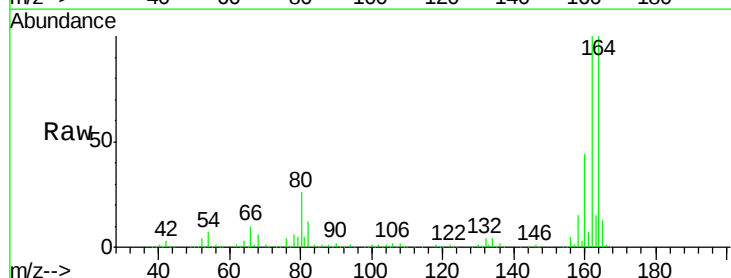
Tgt Ion: 164 Resp: 419599

Ion Ratio Lower Upper

164 100

162 100.0 80.2 120.2

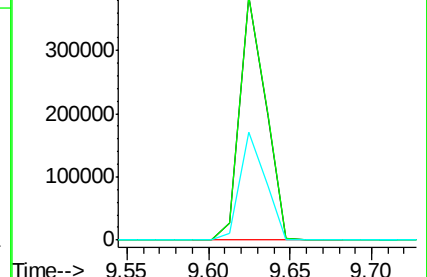
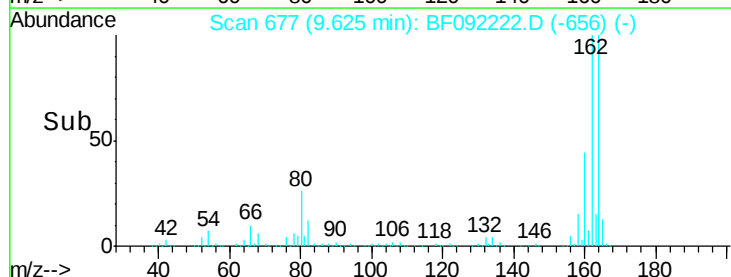
160 44.5 36.9 55.3

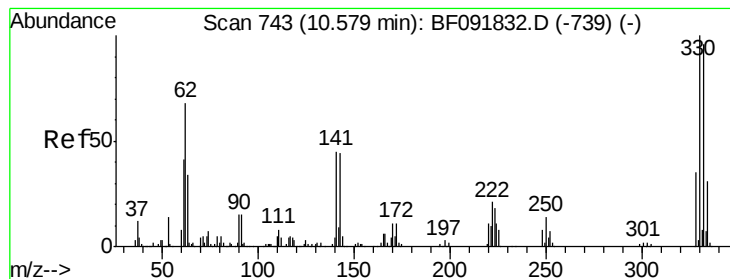


Abundance Ion 164.00 (163.70 to 164.70): BF092222.D (-656) (-)

Ion 162.00 (161.70 to 162.70): BF092222.D (-656) (-)

Ion 160.00 (159.70 to 160.70): BF092222.D (-656) (-)

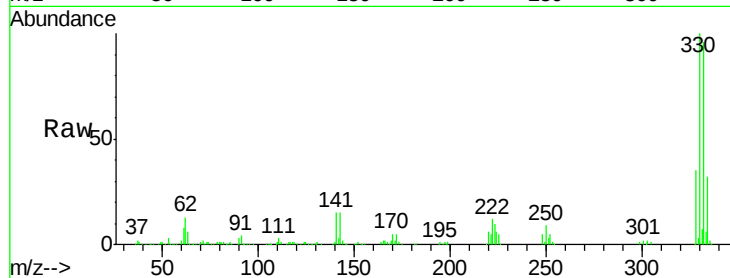




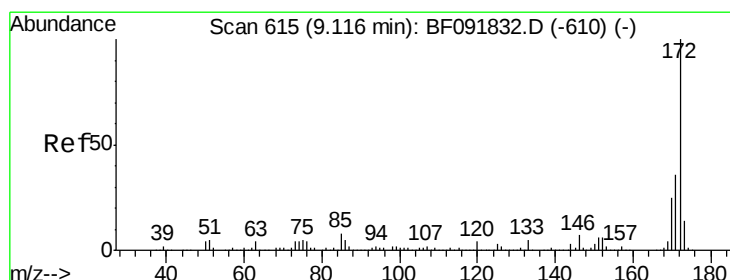
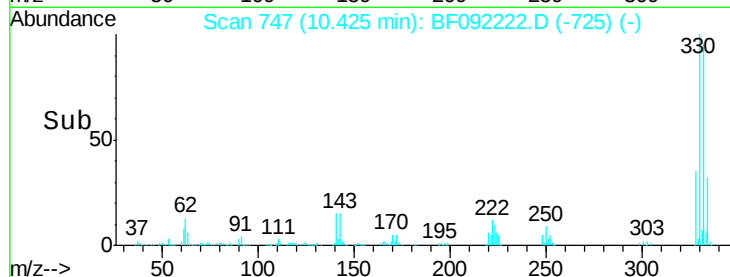
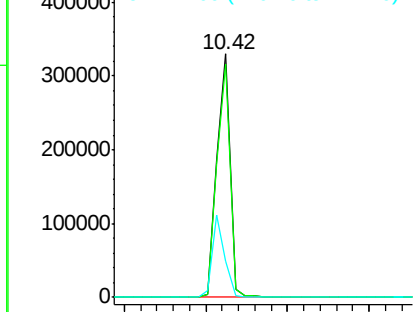
#41
 2,4,6-Tribromophenol
 Concen: 106.92 ng
 RT: 10.42 min Scan# 747
 Delta R.T. -0.05 min
 Lab File: BF092222.D
 Acq: 12 Jan 2017 22:05

Instrument :
 BNA_F
 ClientSampleId :
 COMP-0017

Tgt Ion:330 Resp: 371269
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.4 116.2
 141 32.3 34.1 51.1#

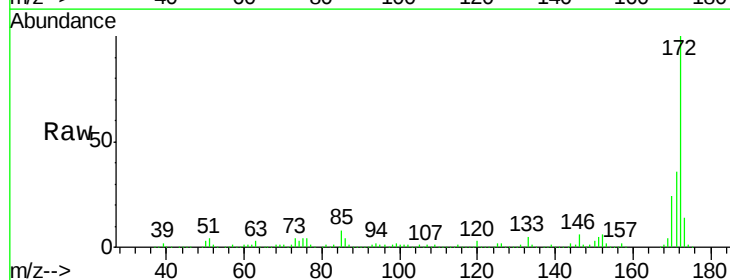


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

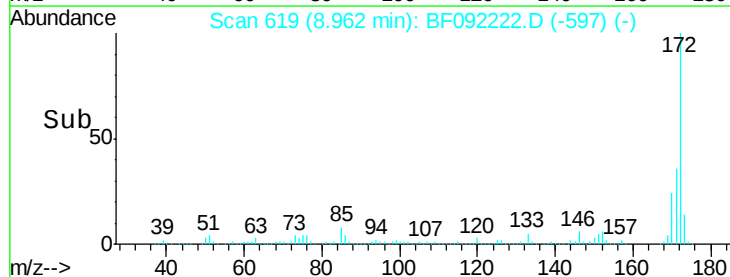
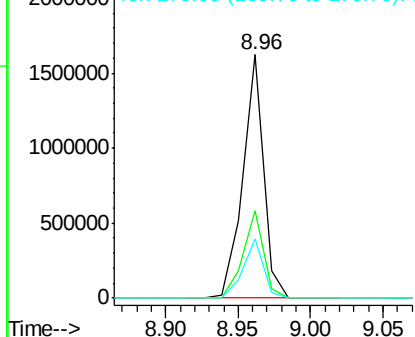


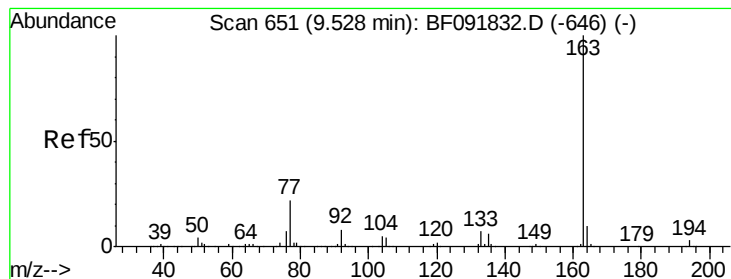
#44
 2-Fluorobiphenyl
 Concen: 77.29 ng
 RT: 8.96 min Scan# 619
 Delta R.T. -0.05 min
 Lab File: BF092222.D
 Acq: 12 Jan 2017 22:05

Tgt Ion:172 Resp: 1606743
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.4 44.0
 170 24.3 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: 17.30 ng

RT: 9.36 min Scan# 654

Delta R.T. -0.06 min

Lab File: BF092222.D

Acq: 12 Jan 2017 22:05

Instrument :

BNA_F

ClientSampleId :

COMP-0017

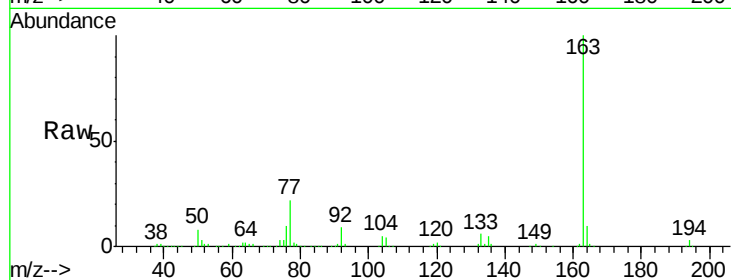
Tgt Ion:163 Resp: 464330

Ion Ratio Lower Upper

163 100

194 3.3 3.0 4.4

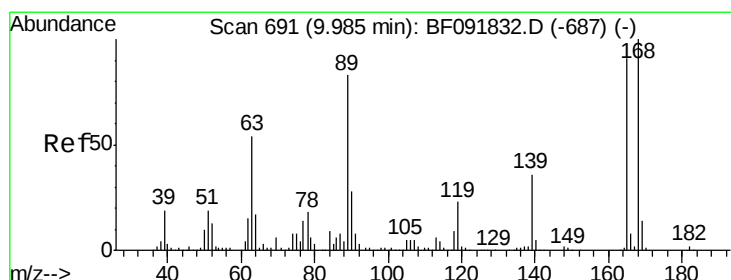
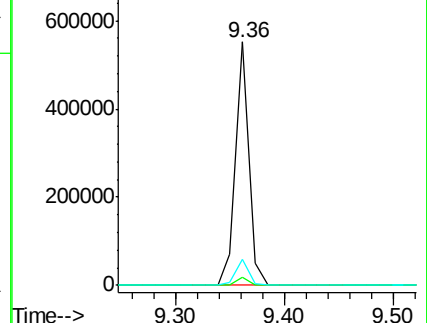
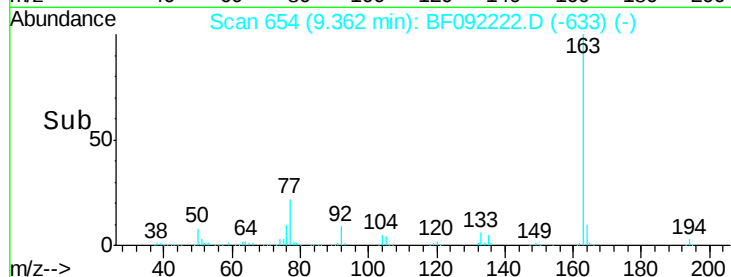
164 10.5 8.0 12.0



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: 7.30 ng

RT: 9.62 min Scan# 677

Delta R.T. -0.26 min

Lab File: BF092222.D

Acq: 12 Jan 2017 22:05

Tgt Ion:165 Resp: 53787

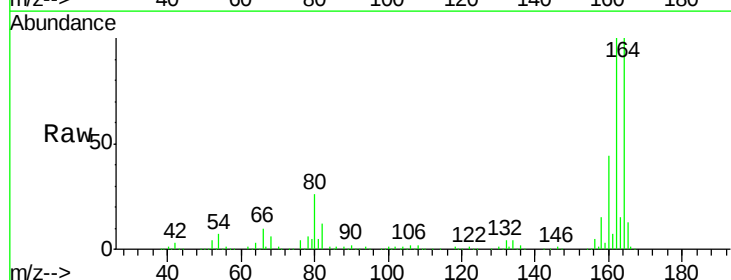
Ion Ratio Lower Upper

165 100

63 1.3 40.2 60.4#

89 1.3 62.5 93.7#

182 0.0 1.8 2.8#

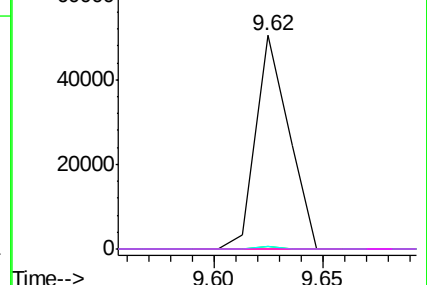
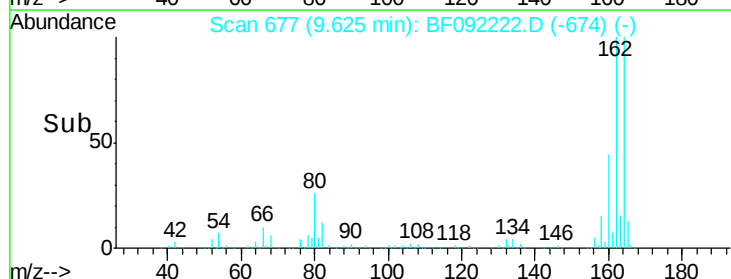


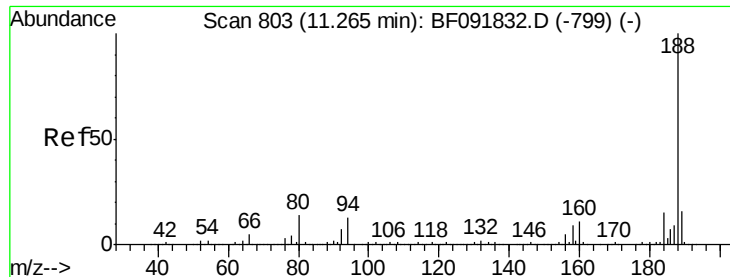
Abundance Ion 165.00 (164.70 to 165.70): E

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

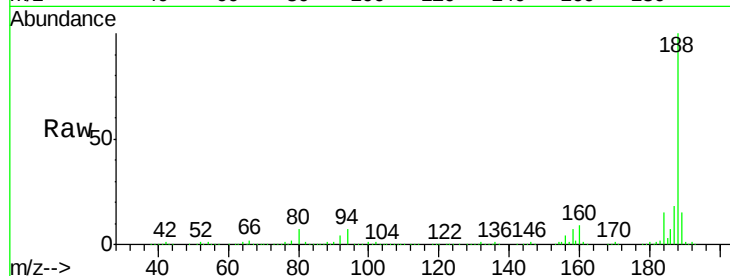




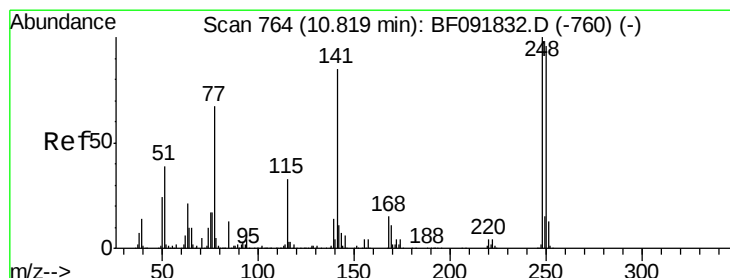
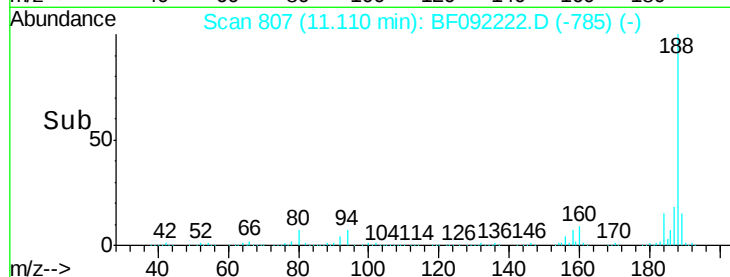
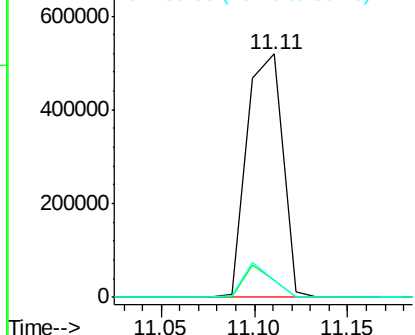
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.11 min Scan# 807
Delta R.T. -0.05 min
Lab File: BF092222.D
Acq: 12 Jan 2017 22:05

Instrument :
BNA_F
ClientSampleId :
COMP-0017

Tgt Ion:188 Resp: 690511
Ion Ratio Lower Upper
188 100
94 7.1 10.0 15.0#
80 7.1 11.2 16.8#

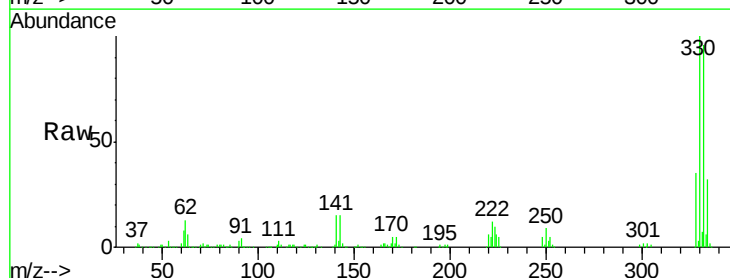


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

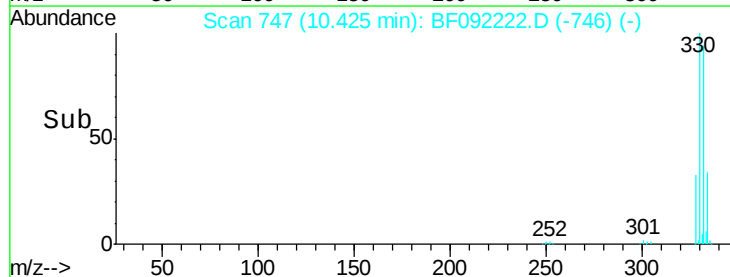
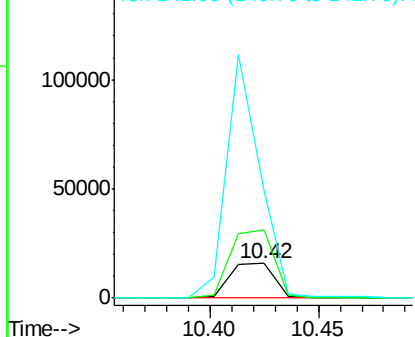


#66
4-Bromophenyl-phenylether
Concen: 3.12 ng
RT: 10.42 min Scan# 747
Delta R.T. -0.29 min
Lab File: BF092222.D
Acq: 12 Jan 2017 22:05

Tgt Ion:248 Resp: 22440
Ion Ratio Lower Upper
248 100
250 196.2 76.9 115.3#
141 308.6 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





#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.68 min Scan# 857

Delta R.T. -0.05 min

Lab File: BF092222.D

Acq: 12 Jan 2017 22:05

Instrument :

BNA_F

ClientSampleId :

COMP-0017

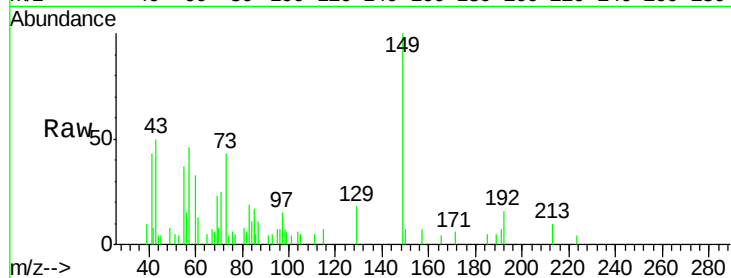
Tgt Ion:149 Resp: 6986

Ion Ratio Lower Upper

149 100

150 7.2 8.1 12.1#

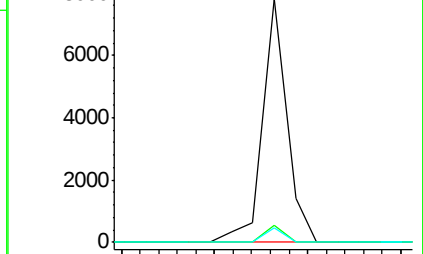
104 5.7 4.6 7.0



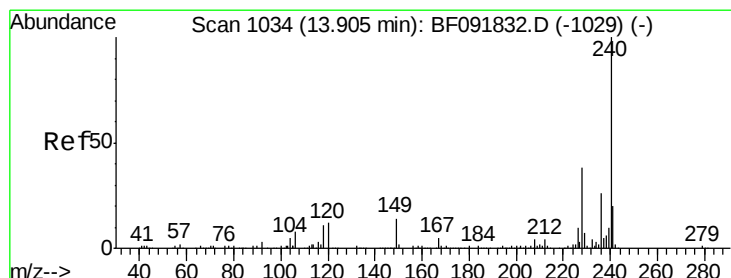
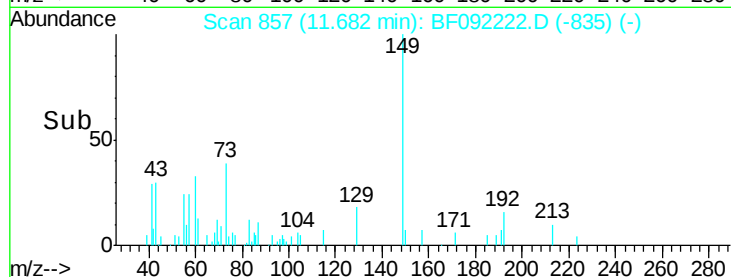
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



Time--> 11.60 11.65 11.70



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.73 min Scan# 1036

Delta R.T. -0.06 min

Lab File: BF092222.D

Acq: 12 Jan 2017 22:05

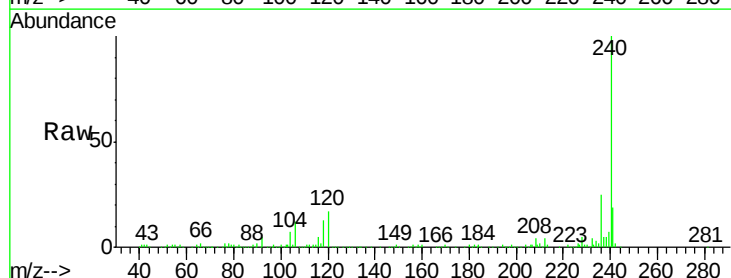
Tgt Ion:240 Resp: 341194

Ion Ratio Lower Upper

240 100

120 16.5 12.9 19.3

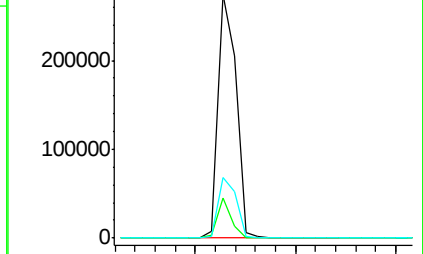
236 25.0 20.9 31.3



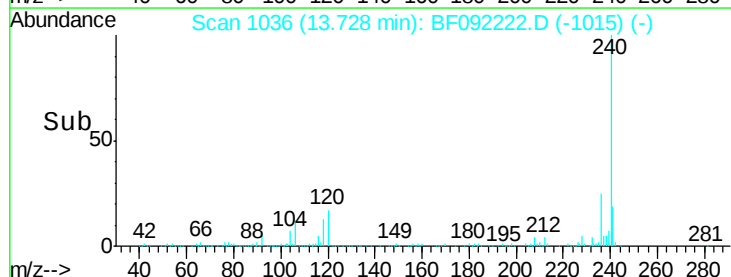
Abundance Ion 240.00 (239.70 to 240.70): E

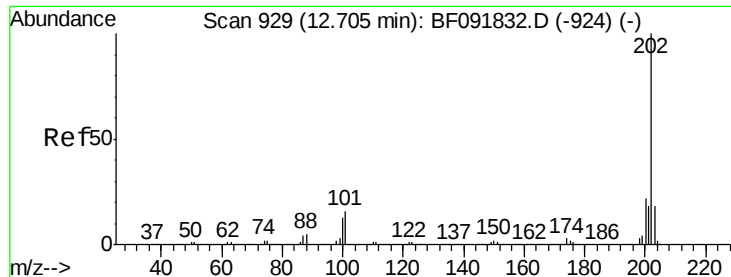
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 13.70 13.80





#77

Pyrene

Concen: 2.44 ng

RT: 12.54 min Scan# 932

Delta R.T. -0.05 min

Lab File: BF092222.D

Acq: 12 Jan 2017 22:05

Instrument :

BNA_F

ClientSampleId :

COMP-0017

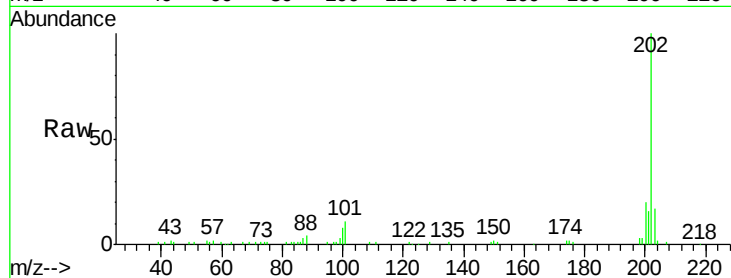
Tgt Ion:202 Resp: 61135

Ion Ratio Lower Upper

202 100

200 20.3 17.7 26.5

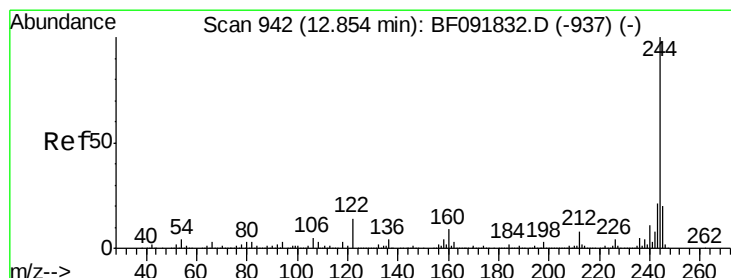
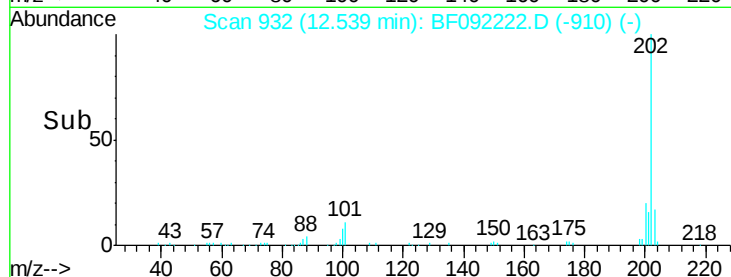
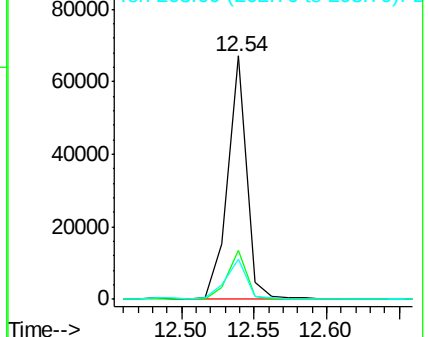
203 16.5 14.7 22.1



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: 77.39 ng

RT: 12.69 min Scan# 945

Delta R.T. -0.06 min

Lab File: BF092222.D

Acq: 12 Jan 2017 22:05

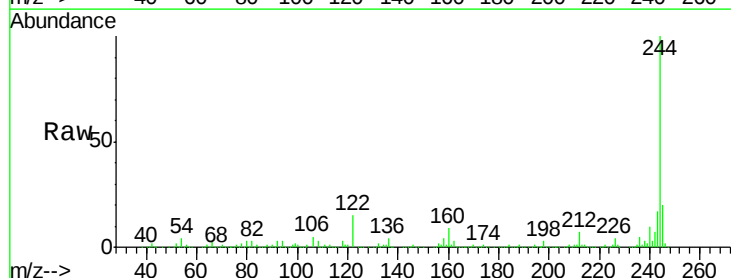
Tgt Ion:244 Resp: 1088729

Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.2

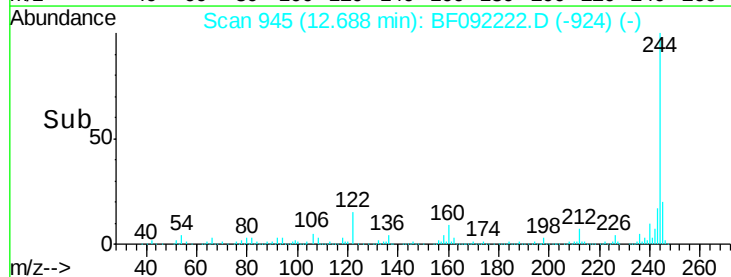
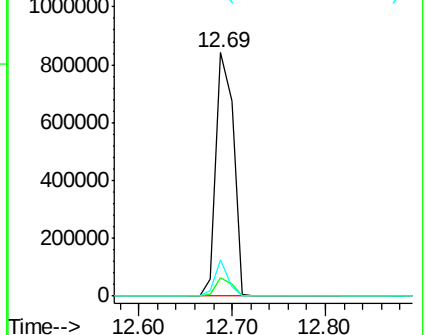
122 14.8 11.4 17.2

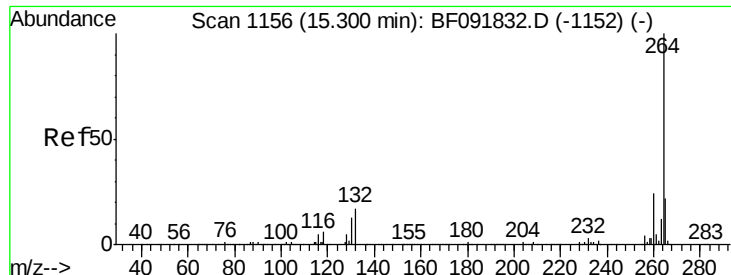


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.09 min Scan# 1155

Delta R.T. -0.06 min

Lab File: BF092222.D

Acq: 12 Jan 2017 22:05

Instrument :

BNA_F

ClientSampleId :

COMP-0017

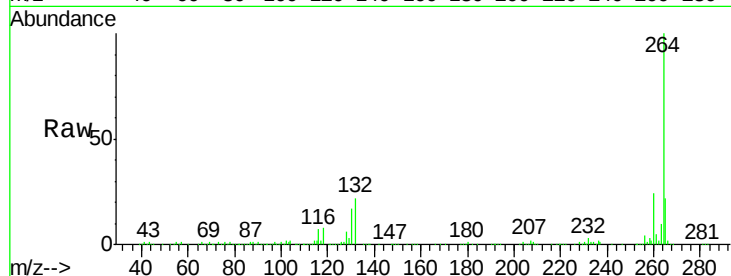
Tgt Ion:264 Resp: 324158

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

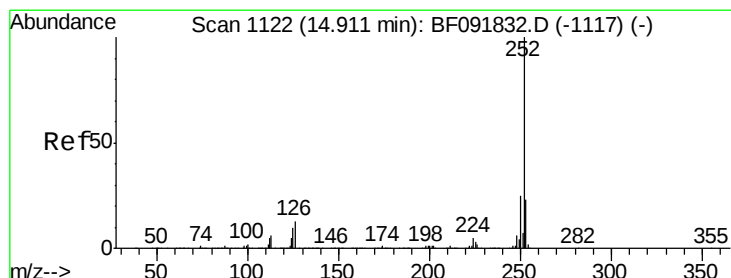
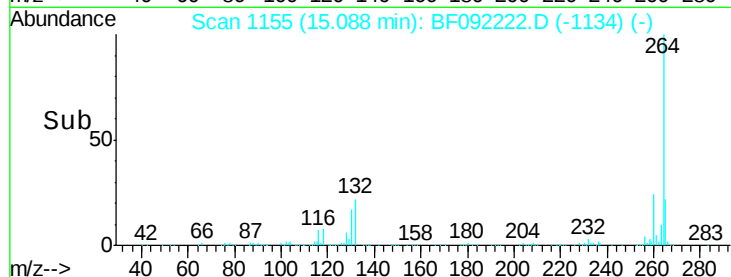
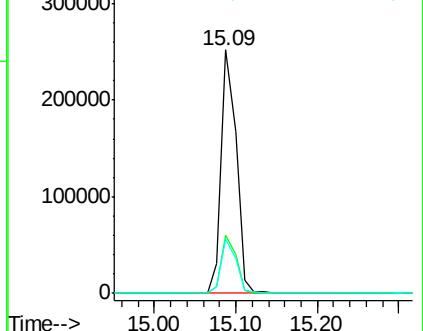
265 22.4 17.4 26.0



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: 2.01 ng

RT: 14.73 min Scan# 1124

Delta R.T. -0.05 min

Lab File: BF092222.D

Acq: 12 Jan 2017 22:05

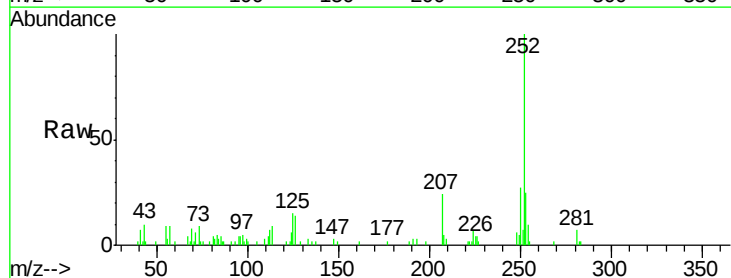
Tgt Ion:252 Resp: 40664

Ion Ratio Lower Upper

252 100

253 25.0 18.2 27.4

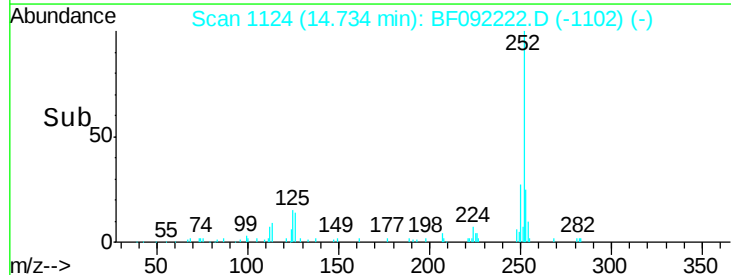
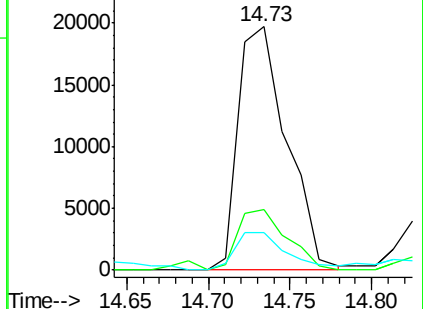
125 15.2 9.8 14.6#

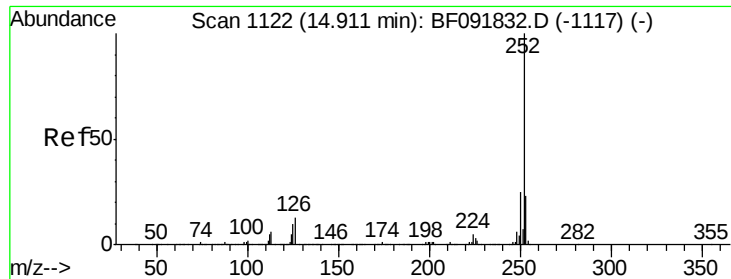


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 2.36 ng

RT: 14.73 min Scan# 1124

Delta R.T. -0.07 min

Lab File: BF092222.D

Acq: 12 Jan 2017 22:05

Instrument :

BNA_F

ClientSampleId :

COMP-0017

Tgt Ion: 252 Resp: 40664

Ion Ratio Lower Upper

252 100

253 25.0 18.5 27.7

125 15.2 8.9 13.3#

