

Data File : BF093022.D
Acq On : 17 Feb 2017 20:37
Operator : SJ/MA
Sample : I1879-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-1

Quant Time: Feb 17 22:17:33 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	150438	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	618451	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	282945	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	478754	20.00	ng	0.00
75) Chrysene-d12	14.01	240	336295	20.00	ng	-0.01
86) Perylene-d12	15.44	264	283246	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	886874	101.14	ng	0.01
7) Phenol-d6	6.50	99	1165227	103.28	ng	0.01
23) Nitrobenzene-d5	7.42	82	716789	64.54	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	202712	99.06	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1190047	76.20	ng	0.00
78) Terphenyl-d14	12.96	244	830185	58.00	ng	-0.01

Target Compounds						Qvalue
10) Phenol	6.51	94	83153	6.30	ng	# 67
19) n-Nitroso-di-n-propylamine	7.42	70	97583	13.59	ng	# 80
25) Isophorone	7.42	82	530855	25.65	ng	# 65
49) Dimethylphthalate	9.61	163	286374	15.03	ng	99
56) 2,4-Dinitrotoluene	9.89	165	35912	6.55	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.68	198	364	2.79	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	15549	3.11	ng	# 1
74) Fluoranthene	12.58	202	61596	2.18	ng	95
77) Pyrene	12.81	202	51531	2.05	ng	98
88) Benzo(k)fluoranthene	15.03	252	35881	2.23	ng	# 88

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

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M-1

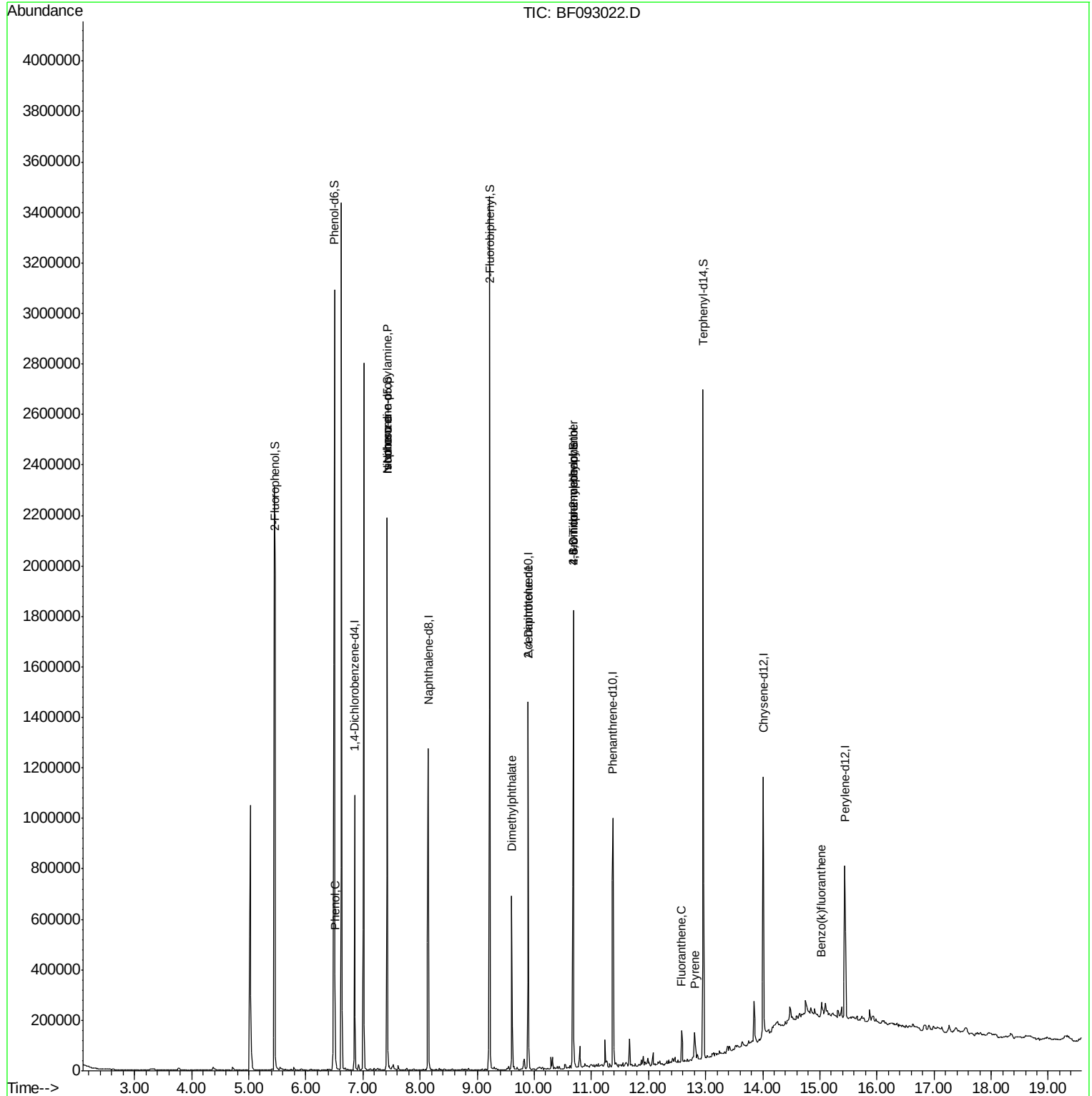
Quant Time: Feb 17 22:17:33 2017

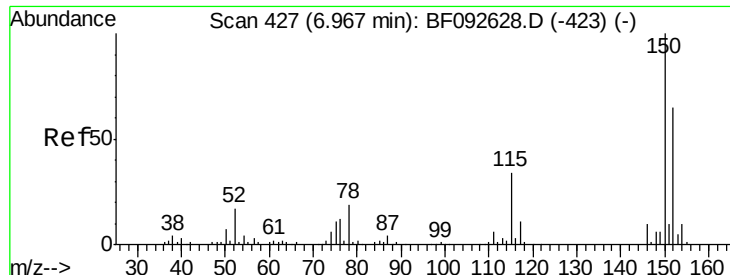
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Response via : Initial Calibration



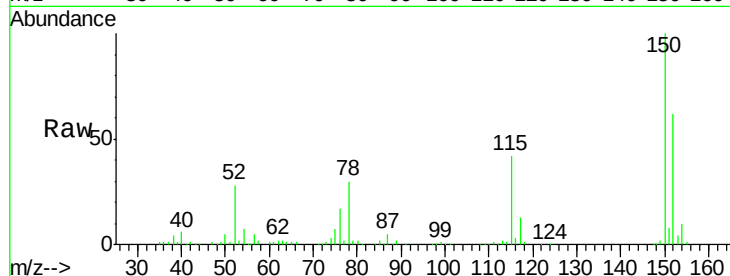


#1

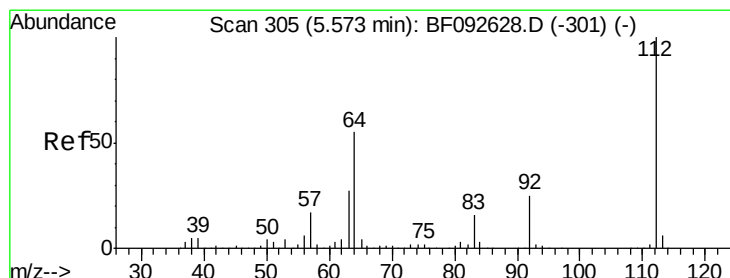
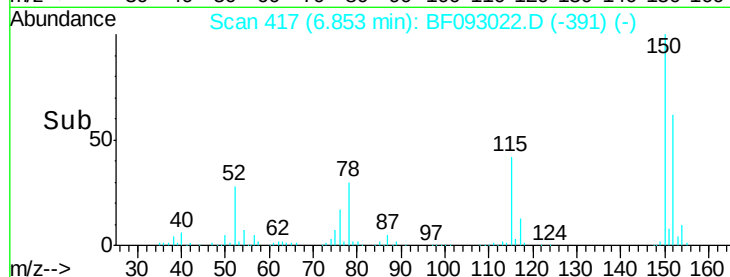
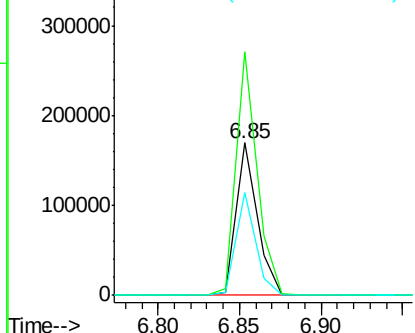
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 417
Delta R.T. 0.00 min
Lab File: BF093022.D
Acq: 17 Feb 2017 20:37

Instrument :
BNA_F
ClientSampleId :
M-1

Tgt Ion:152 Resp: 150438
Ion Ratio Lower Upper
152 100
150 160.0 124.9 187.3
115 67.5 46.0 69.0



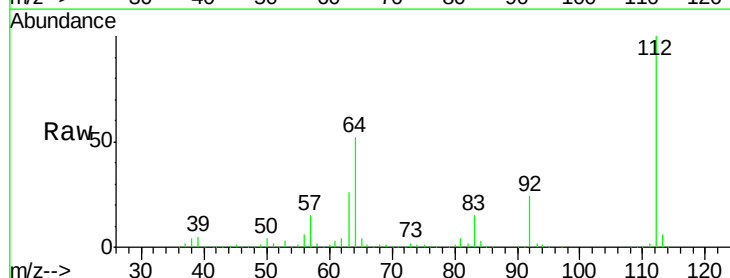
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



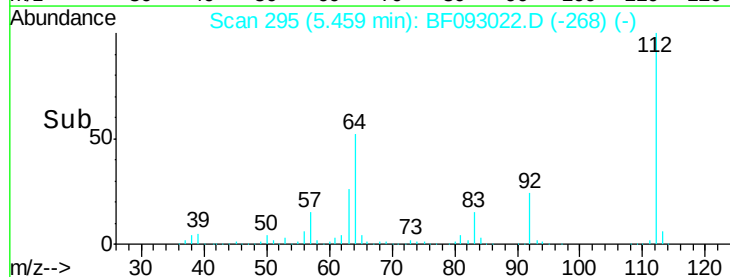
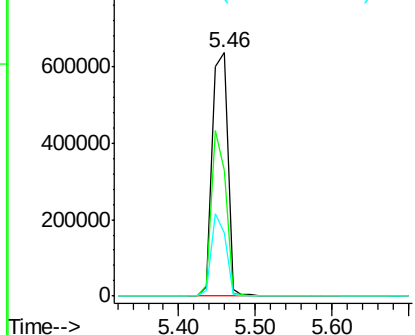
#5

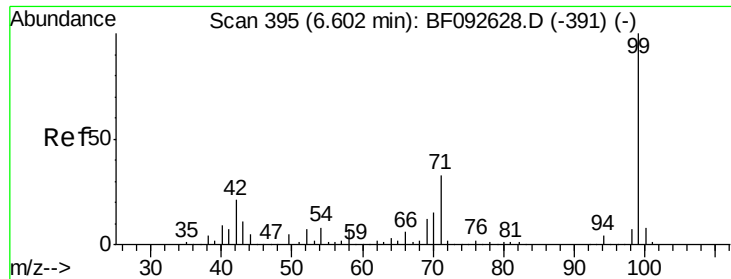
2-Fluorophenol
Concen: 101.14 ng
RT: 5.46 min Scan# 295
Delta R.T. 0.01 min
Lab File: BF093022.D
Acq: 17 Feb 2017 20:37

Tgt Ion:112 Resp: 886874
Ion Ratio Lower Upper
112 100
64 51.9 46.1 69.1
63 25.7 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: 103.28 ng

RT: 6.50 min Scan# 386

Delta R.T. 0.01 min

Lab File: BF093022.D

Acq: 17 Feb 2017 20:37

Instrument :

BNA_F

ClientSampled :

M-1

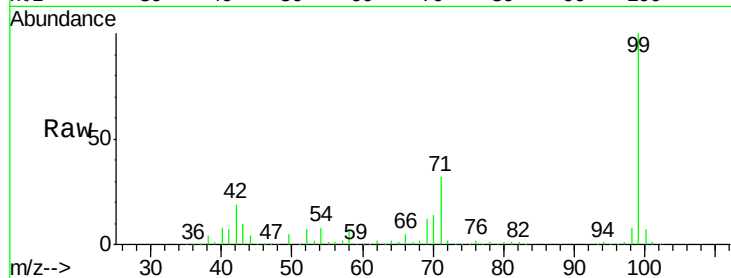
Tgt Ion: 99 Resp: 1165227

Ion Ratio Lower Upper

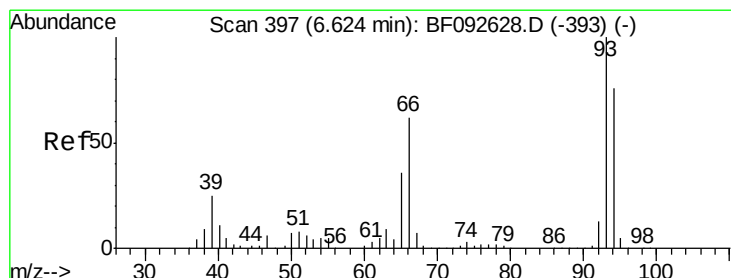
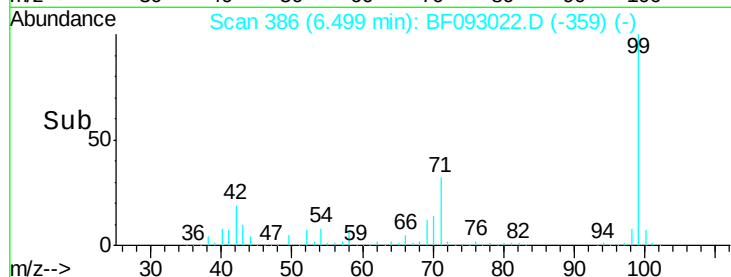
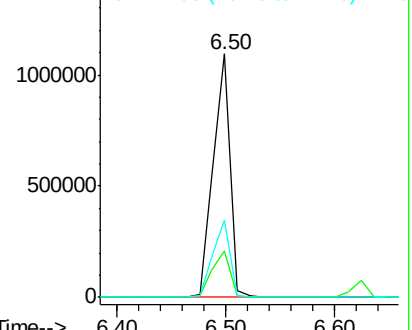
99 100

42 18.9 15.6 23.4

71 31.8 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



#10

Phenol

Concen: 6.30 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF093022.D

Acq: 17 Feb 2017 20:37

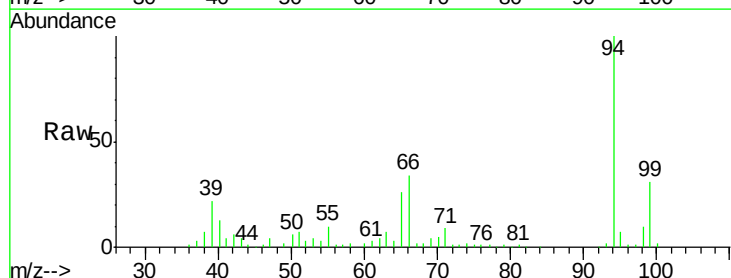
Tgt Ion: 94 Resp: 83153

Ion Ratio Lower Upper

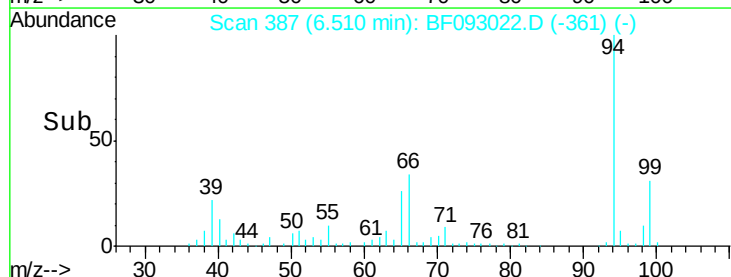
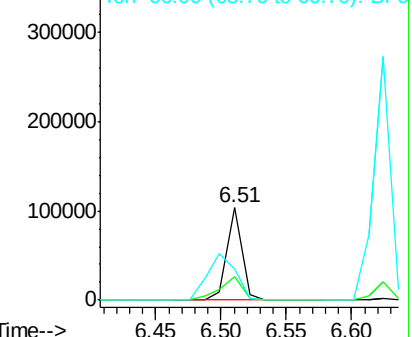
94 100

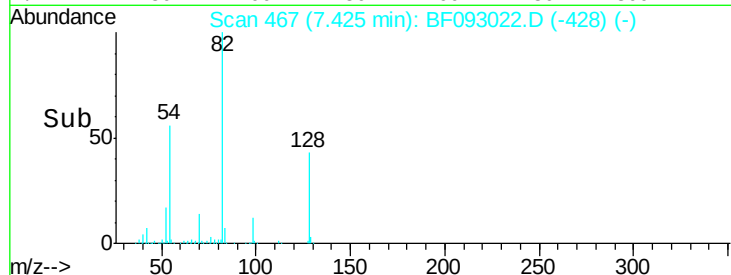
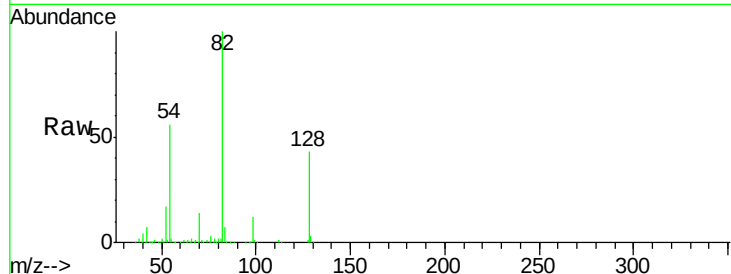
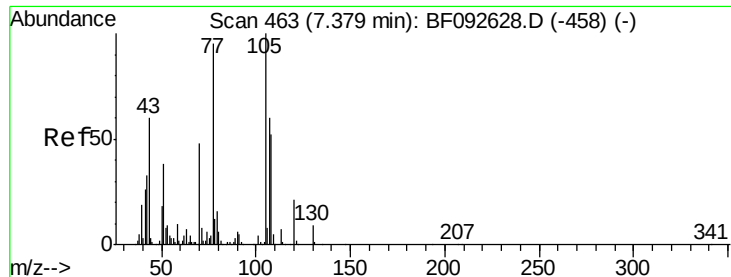
65 26.0 21.4 61.4

66 33.9 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

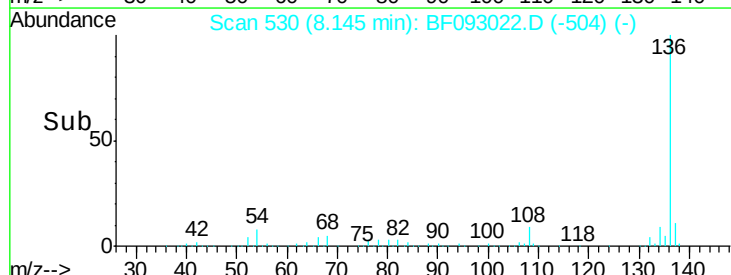
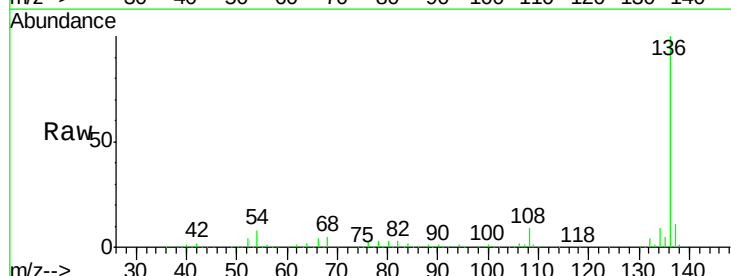
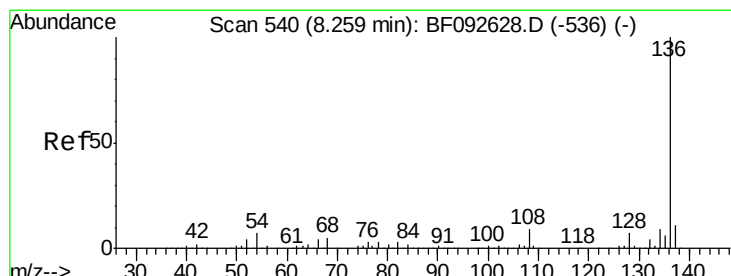
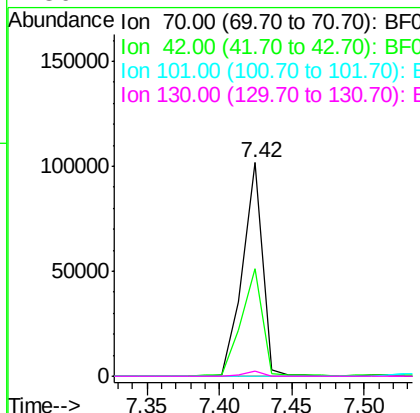




#19
n-Nitroso-di-n-propylamine
Concen: 13.59 ng
RT: 7.42 min Scan# 467
Delta R.T. 0.15 min
Lab File: BF093022.D
Acq: 17 Feb 2017 20:37

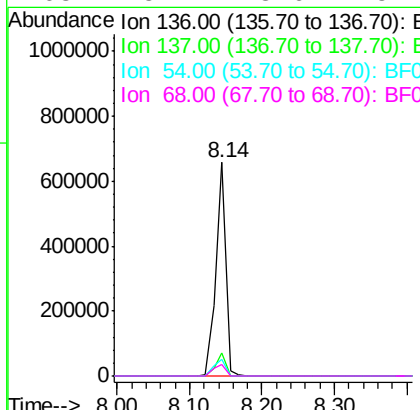
Instrument :
BNA_F
ClientSampleId :
M-1

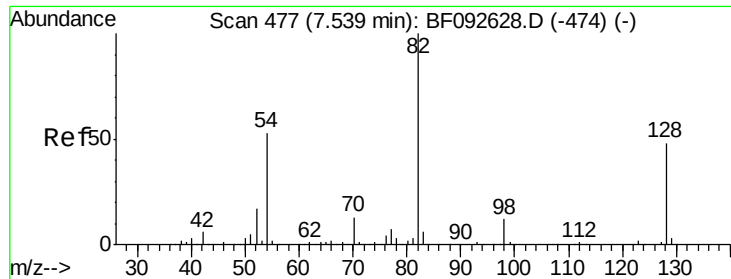
Tgt Ion: 70 Resp: 97583
Ion Ratio Lower Upper
70 100
42 50.1 49.4 74.0
101 0.0 7.4 11.2#
130 2.2 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 530
Delta R.T. 0.00 min
Lab File: BF093022.D
Acq: 17 Feb 2017 20:37

Tgt Ion: 136 Resp: 618451
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 7.8 4.5 6.7#
68 5.4 3.6 5.4#

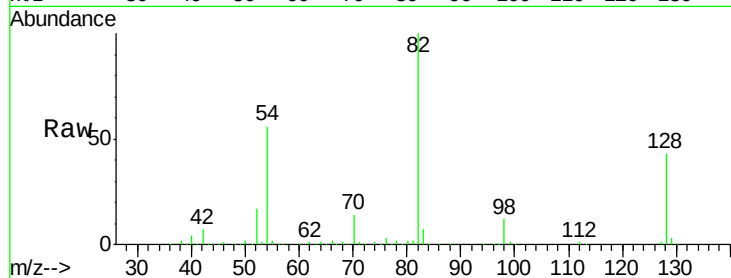




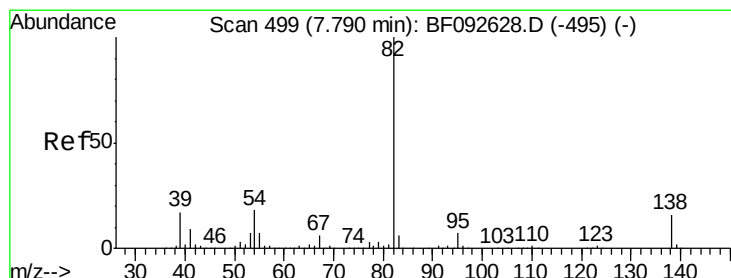
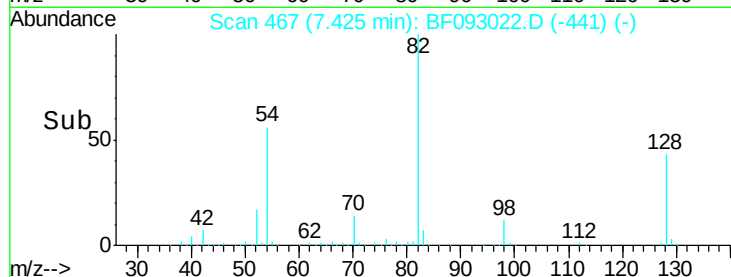
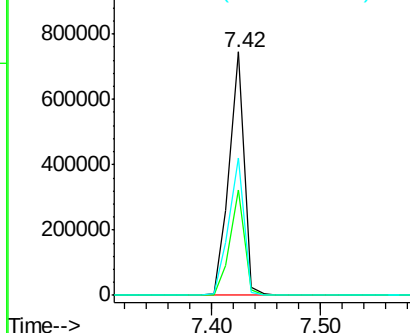
#23
Nitrobenzene-d5
Concen: 64.54 ng
RT: 7.42 min Scan# 467
Delta R.T. 0.00 min
Lab File: BF093022.D
Acq: 17 Feb 2017 20:37

Instrument :
BNA_F
ClientSampleId :
M-1

Tgt Ion: 82 Resp: 716789
Ion Ratio Lower Upper
82 100
128 43.4 34.6 52.0
54 56.2 39.5 59.3

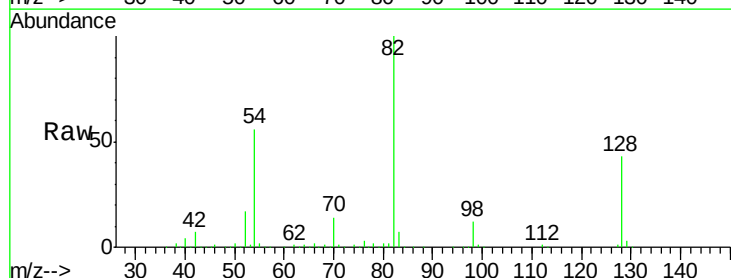


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

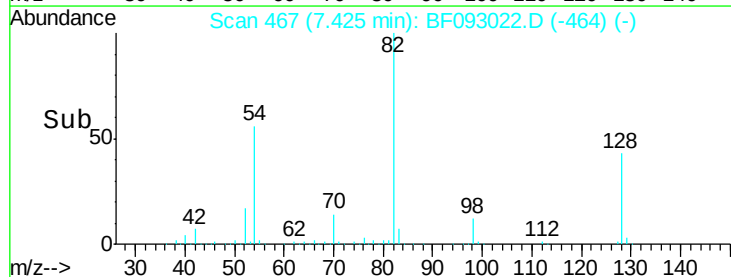
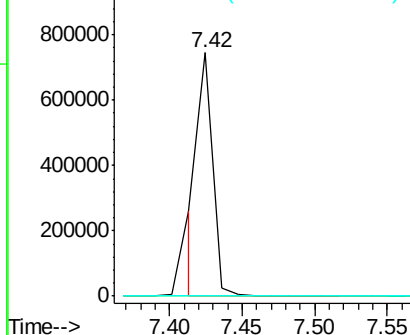


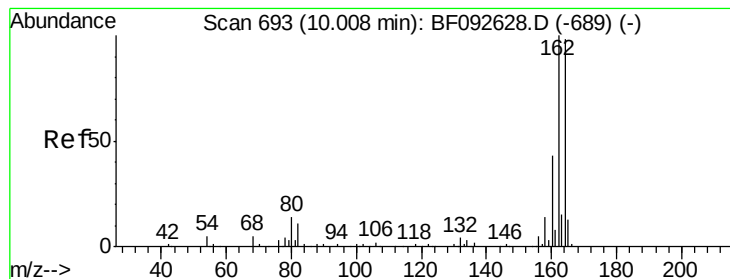
#25
Isophorone
Concen: 25.65 ng
RT: 7.42 min Scan# 467
Delta R.T. -0.26 min
Lab File: BF093022.D
Acq: 17 Feb 2017 20:37

Tgt Ion: 82 Resp: 530855
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: 9.89 min Scan# 683

Delta R.T. 0.00 min

Lab File: BF093022.D

Acq: 17 Feb 2017 20:37

Instrument :

BNA_F

ClientSampleId :

M-1

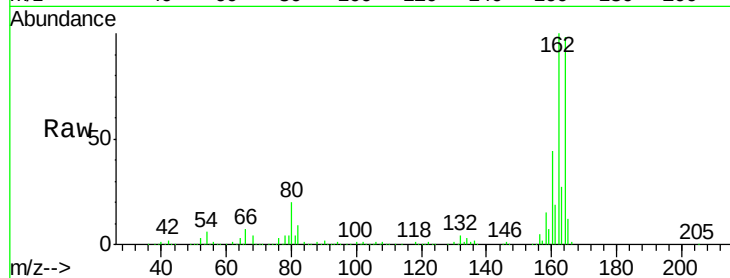
Tgt Ion:164 Resp: 282945

Ion Ratio Lower Upper

164 100

162 101.9 80.2 120.2

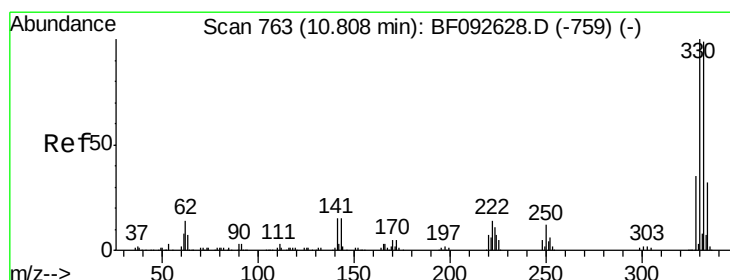
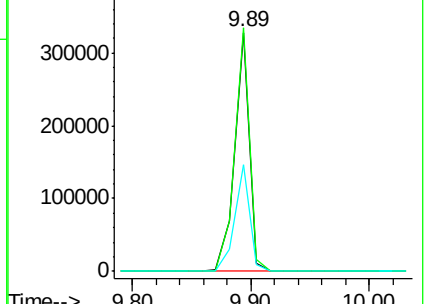
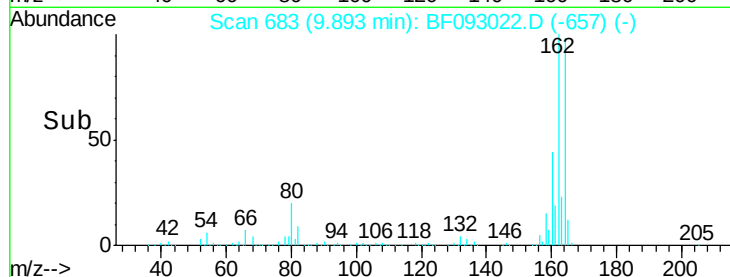
160 44.7 36.9 55.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 99.06 ng

RT: 10.68 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF093022.D

Acq: 17 Feb 2017 20:37

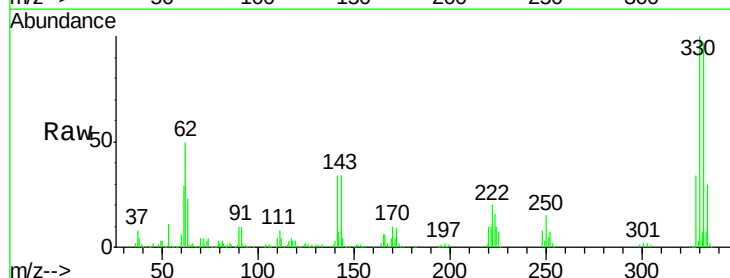
Tgt Ion:330 Resp: 202712

Ion Ratio Lower Upper

330 100

332 97.8 77.4 116.2

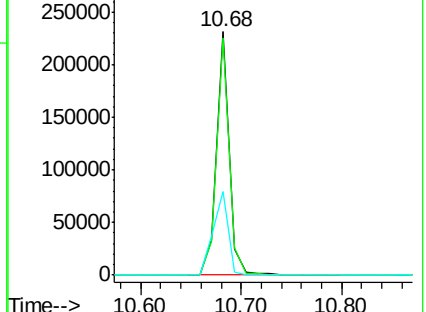
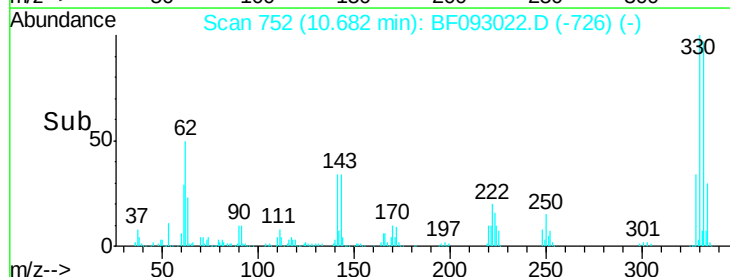
141 41.5 34.1 51.1

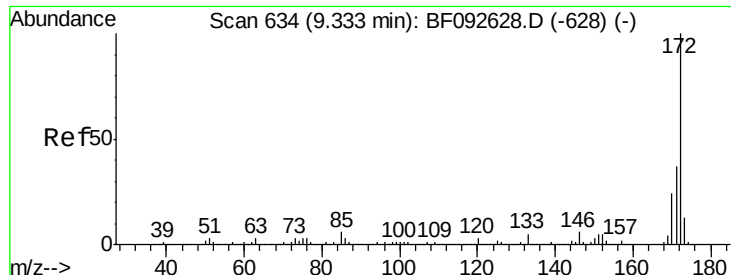


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

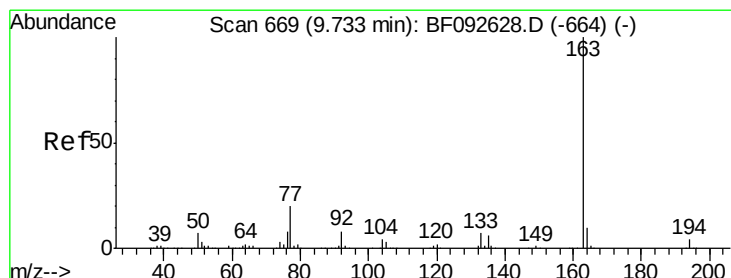
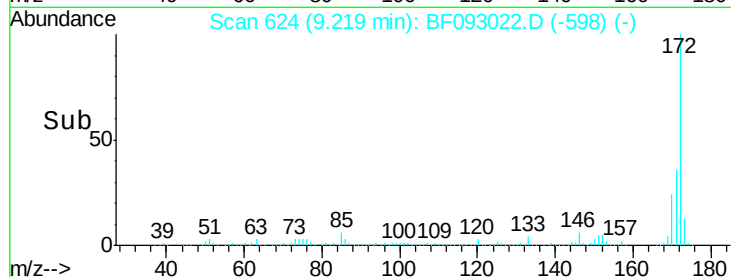
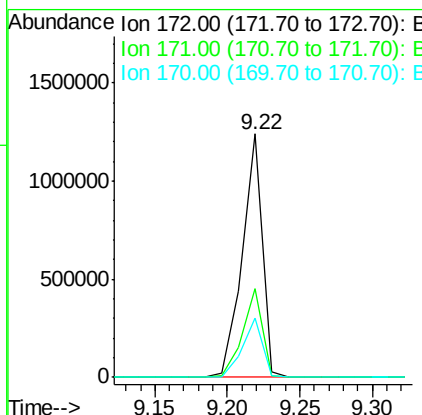
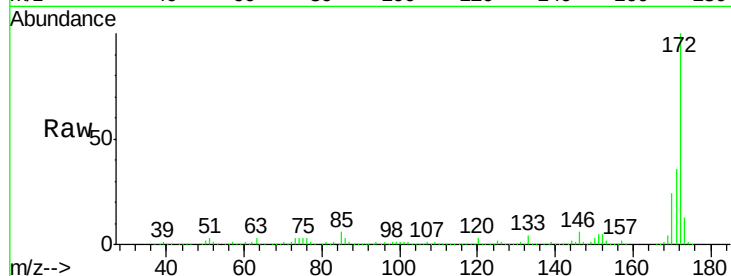




#44
 2-Fluorobiphenyl
 Concen: 76.20 ng
 RT: 9.22 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: BF093022.D
 Acq: 17 Feb 2017 20:37

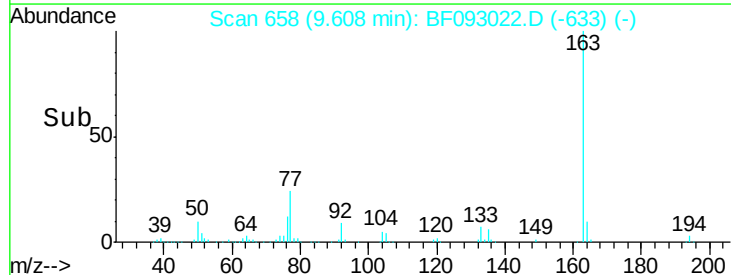
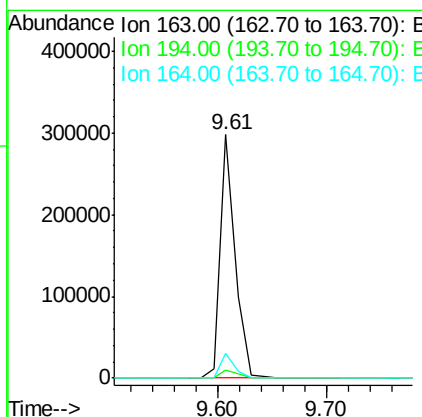
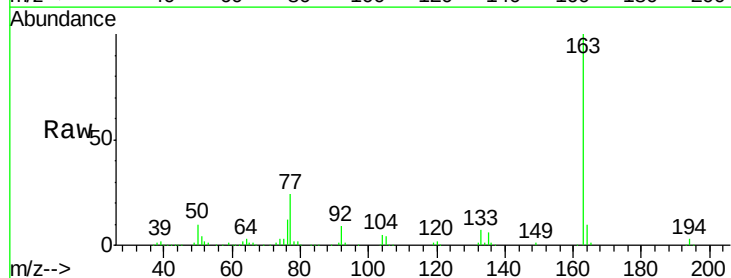
Instrument :
 BNA_F
 ClientSampleId :
 M-1

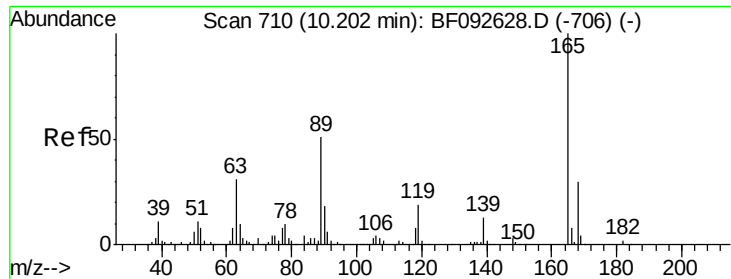
Tgt Ion:172 Resp: 1190047
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.4 44.0
 170 24.1 20.2 30.4



#49
 Dimethylphthalate
 Concen: 15.03 ng
 RT: 9.61 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: BF093022.D
 Acq: 17 Feb 2017 20:37

Tgt Ion:163 Resp: 286374
 Ion Ratio Lower Upper
 163 100
 194 3.3 3.0 4.4
 164 10.2 8.0 12.0

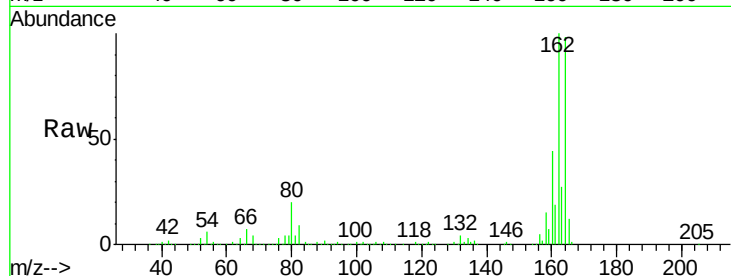




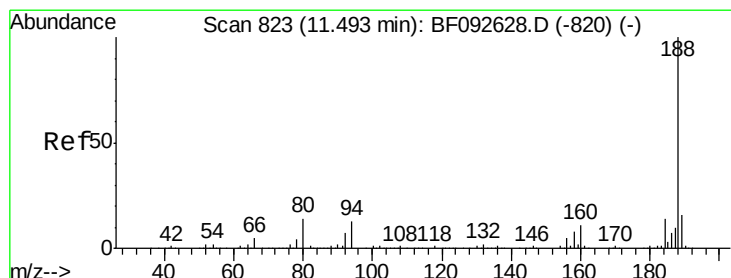
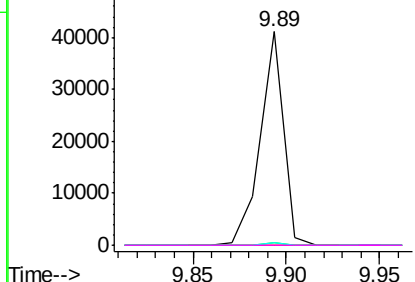
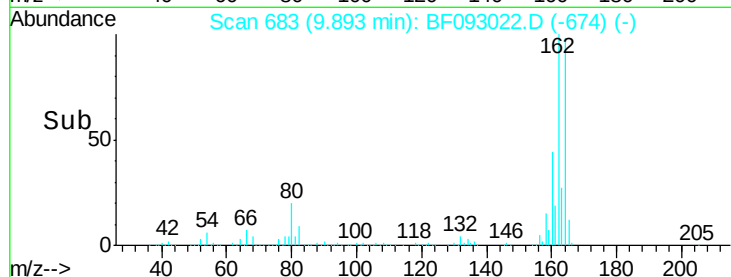
#56
 2,4-Dinitrotoluene
 Concen: 6.55 ng
 RT: 9.89 min Scan# 683
 Delta R.T. -0.19 min
 Lab File: BF093022.D
 Acq: 17 Feb 2017 20:37

Instrument :
 BNA_F
 ClientSampleId :
 M-1

Tgt Ion:165 Resp: 35912
 Ion Ratio Lower Upper
 165 100
 63 1.5 40.2 60.4#
 89 1.4 62.5 93.7#
 182 0.0 1.8 2.8#

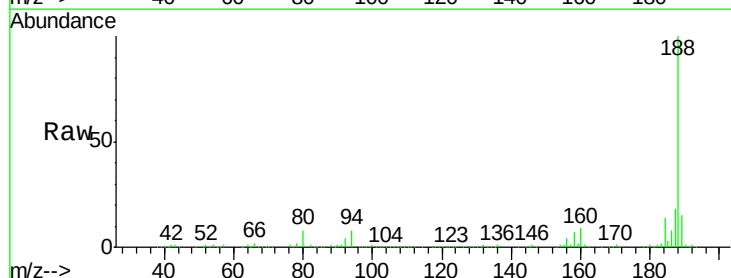


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

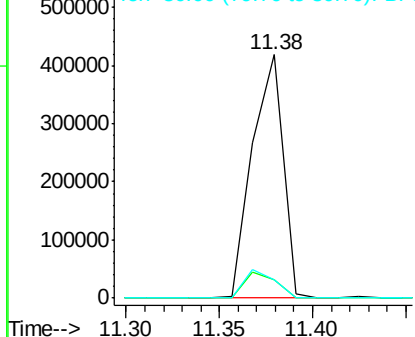
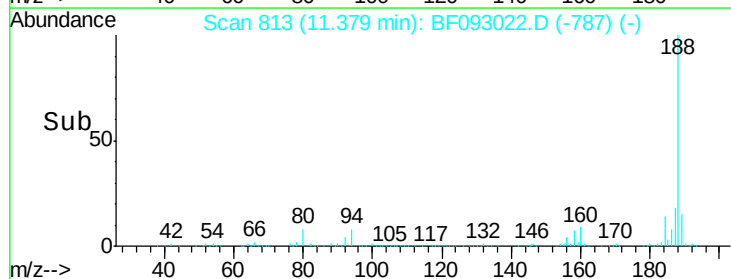


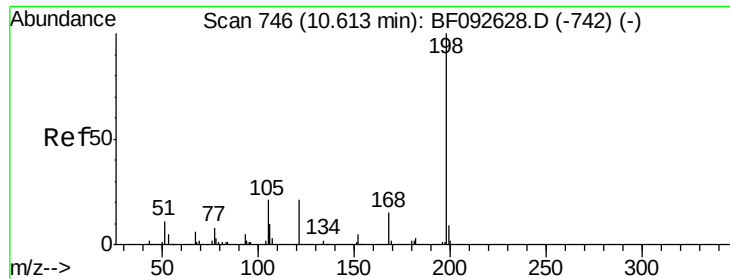
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.38 min Scan# 813
 Delta R.T. 0.00 min
 Lab File: BF093022.D
 Acq: 17 Feb 2017 20:37

Tgt Ion:188 Resp: 478754
 Ion Ratio Lower Upper
 188 100
 94 7.5 10.0 15.0#
 80 7.7 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: 2.79 ng

RT: 10.68 min Scan# 752

Delta R.T. 0.18 min

Lab File: BF093022.D

Acq: 17 Feb 2017 20:37

Instrument :

BNA_F

ClientSampled :

M-1

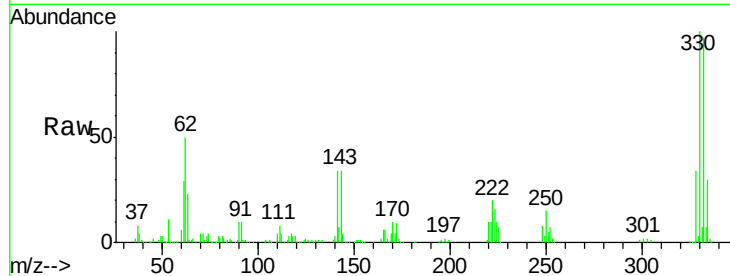
Tgt Ion:198 Resp: 364

Ion Ratio Lower Upper

198 100

51 184.7 6.7 46.7#

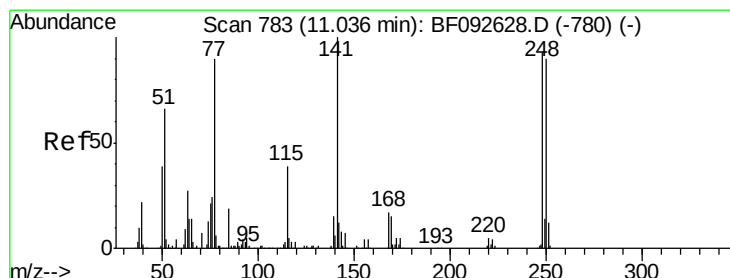
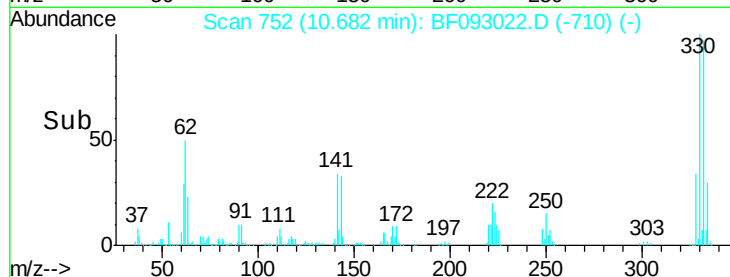
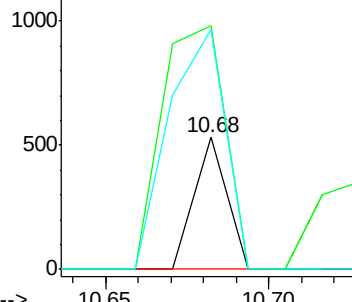
105 181.9 16.6 56.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.11 ng

RT: 10.68 min Scan# 752

Delta R.T. -0.24 min

Lab File: BF093022.D

Acq: 17 Feb 2017 20:37

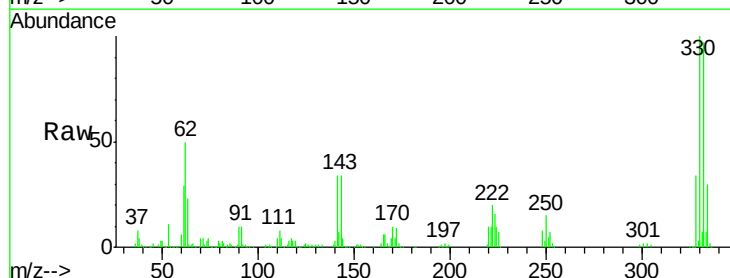
Tgt Ion:248 Resp: 15549

Ion Ratio Lower Upper

248 100

250 196.9 76.9 115.3#

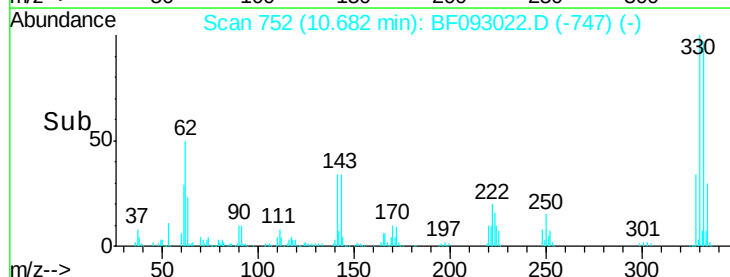
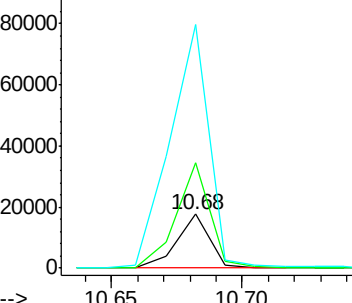
141 454.7 68.2 102.4#

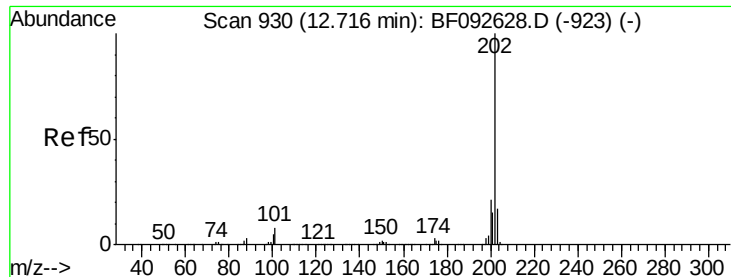


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#74

Fluoranthene

Concen: 2.18 ng

RT: 12.58 min Scan# 918

Delta R.T. -0.01 min

Lab File: BF093022.D

Acq: 17 Feb 2017 20:37

Instrument :

BNA_F

ClientSampleId :

M-1

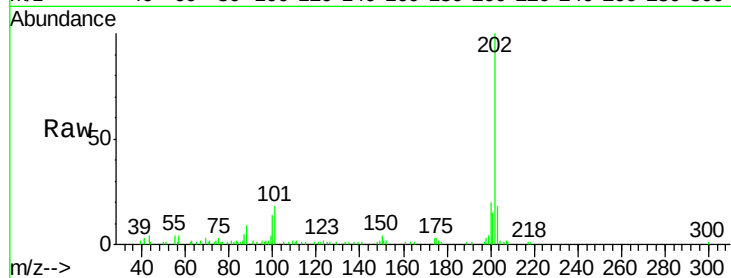
Tgt Ion:202 Resp: 61596

Ion Ratio Lower Upper

202 100

101 18.0 0.0 34.6

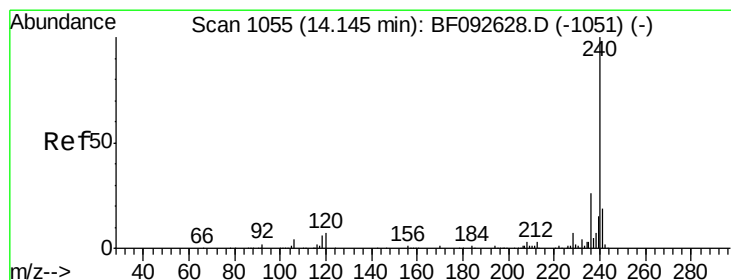
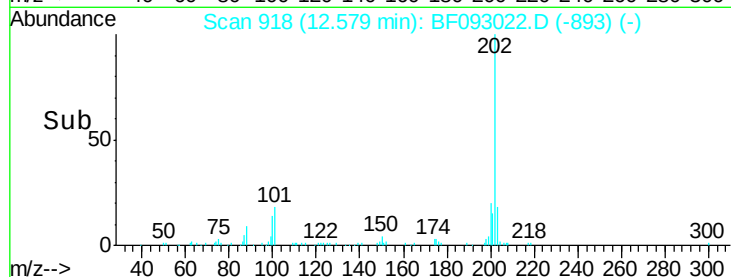
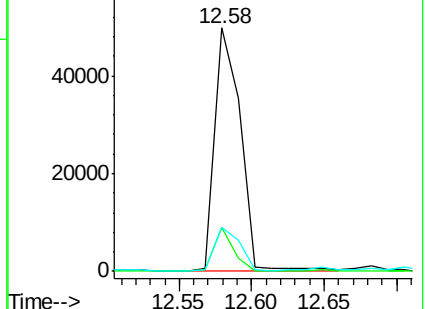
203 17.8 0.0 38.7



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: BF093022.D

Acq: 17 Feb 2017 20:37

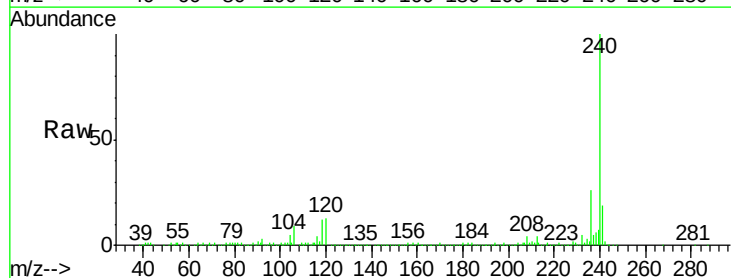
Tgt Ion:240 Resp: 336295

Ion Ratio Lower Upper

240 100

120 13.4 12.9 19.3

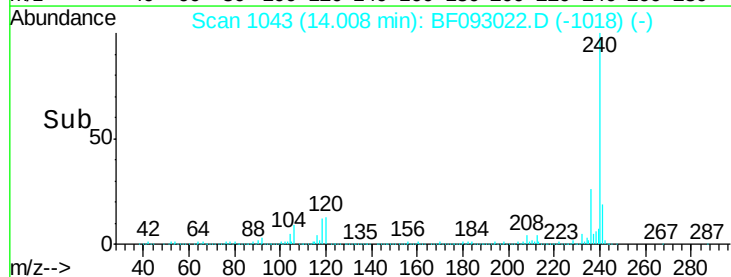
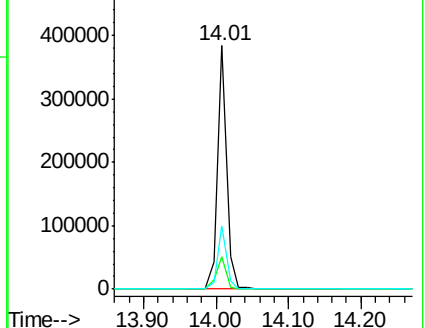
236 25.9 20.9 31.3

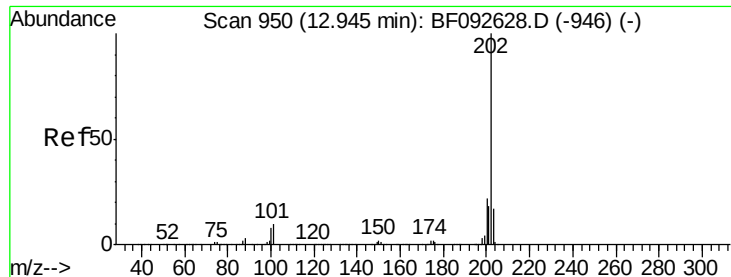


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 2.05 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.01 min

Lab File: BF093022.D

Acq: 17 Feb 2017 20:37

Instrument :

BNA_F

ClientSampled :

M-1

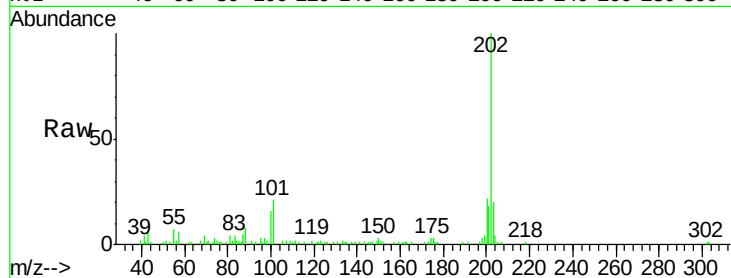
Tgt Ion:202 Resp: 51531

Ion Ratio Lower Upper

202 100

200 22.2 17.7 26.5

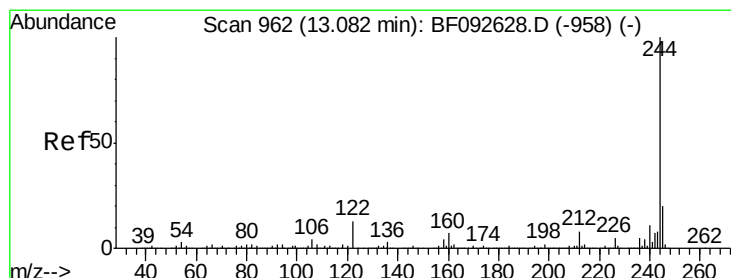
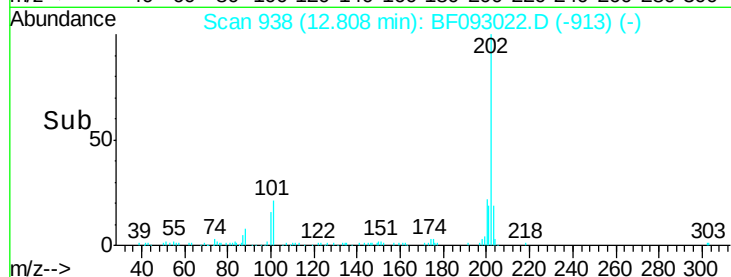
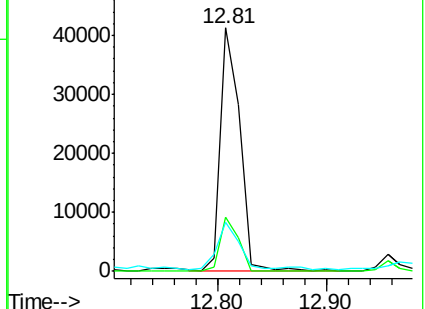
203 20.3 14.7 22.1



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: 58.00 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF093022.D

Acq: 17 Feb 2017 20:37

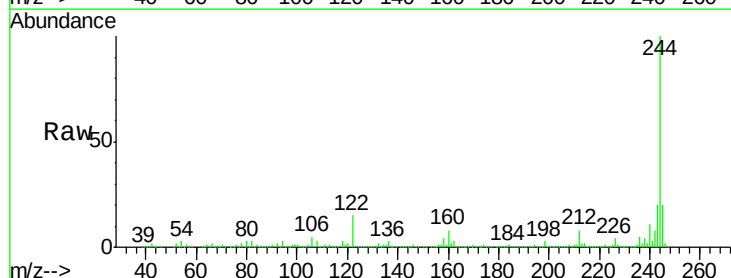
Tgt Ion:244 Resp: 830185

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

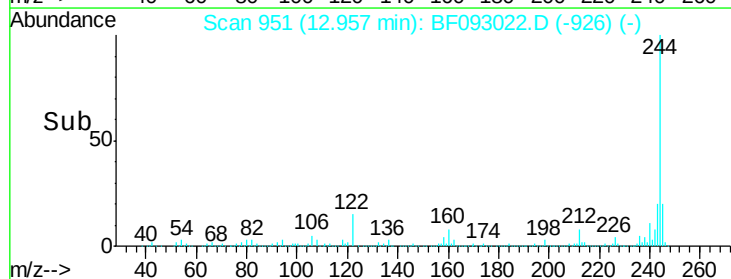
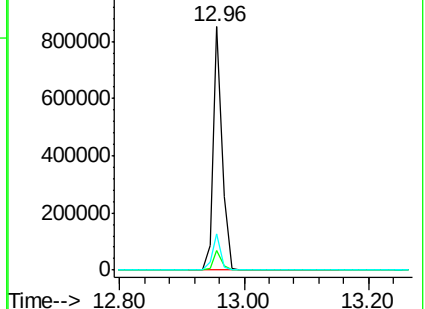
122 14.9 11.4 17.2

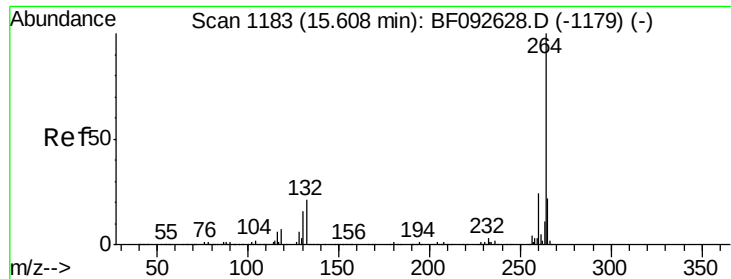


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

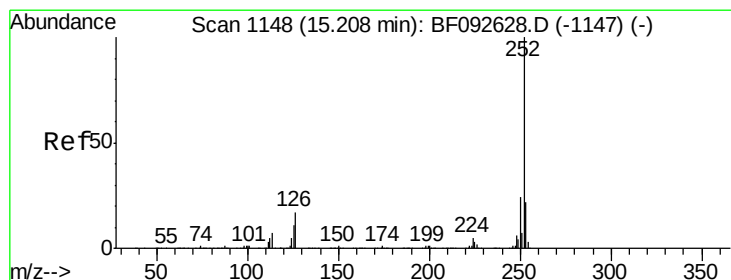
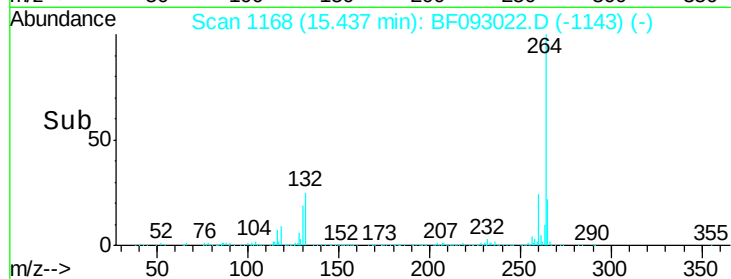
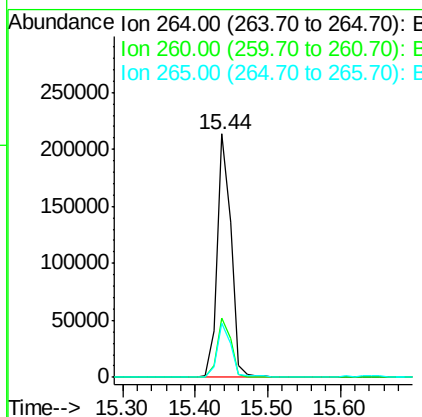
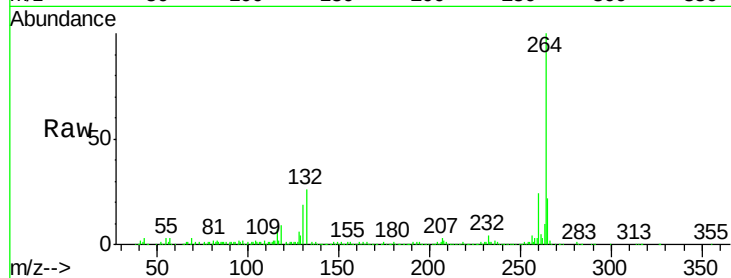




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF093022.D
Acq: 17 Feb 2017 20:37

Instrument :
BNA_F
ClientSampleId :
M-1

Tgt Ion:264 Resp: 283246
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 22.0 17.4 26.0



#88
Benzo(k)fluoranthene
Concen: 2.23 ng
RT: 15.03 min Scan# 1132
Delta R.T. -0.05 min
Lab File: BF093022.D
Acq: 17 Feb 2017 20:37

Tgt Ion:252 Resp: 35881
Ion Ratio Lower Upper
252 100
253 26.5 18.5 27.7
125 20.0 8.9 13.3#

