

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012017\
 Data File : BF092372.D
 Acq On : 20 Jan 2017 14:52
 Operator : UM/SJ
 Sample : I1304-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-15-41-COMP

Quant Time: Jan 20 22:13:14 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	6.68	152	582222	20.00	ng	0.04
21) Naphthalene-d8	7.81	136	849639	20.00	ng	-0.12
38) Acenaphthene-d10	9.56	164	444263	20.00	ng	-0.12
63) Phenanthrene-d10	11.03	188	670858	20.00	ng	-0.12
75) Chrysene-d12	13.66	240	438321	20.00	ng	-0.12
86) Perylene-d12	15.01	264	364678	20.00	ng	-0.13

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.11	112	1371039	39.32	ng	-0.12
7) Phenol-d6	6.19	99	1854662	43.57	ng	-0.12
23) Nitrobenzene-d5	7.10	82	1292865	84.61	ng	-0.11
41) 2,4,6-Tribromophenol	10.35	330	464635	126.38	ng	-0.12
44) 2-Fluorobiphenyl	8.90	172	2292738	109.45	ng	-0.11
78) Terphenyl-d14	12.62	244	1670837	92.45	ng	-0.12

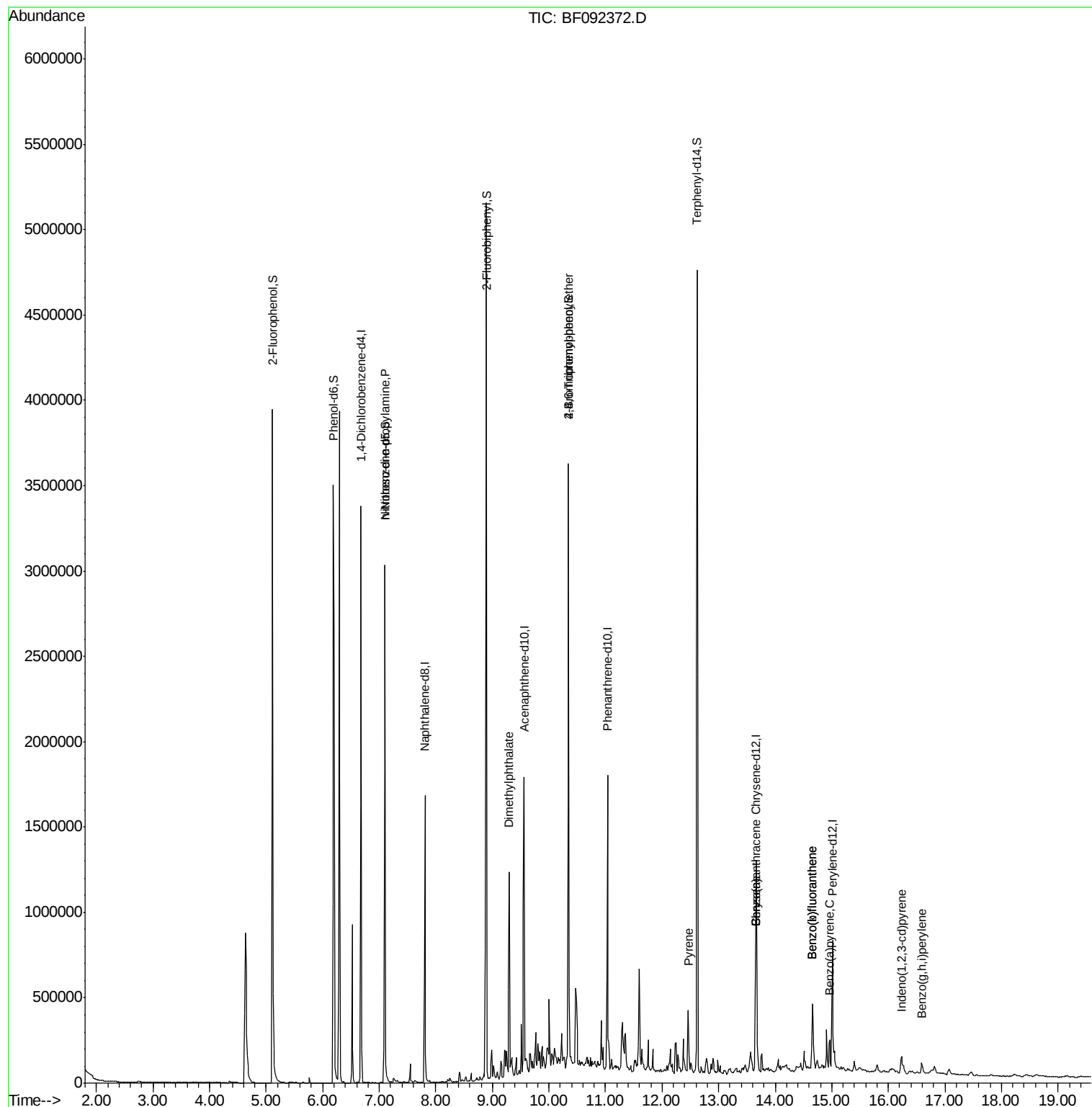
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.20	77	3536	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.10	70	174222	6.15	ng	72
37) 2-Methylnaphthalene	8.53	142	10844	Below Cal		98
49) Dimethylphthalate	9.30	163	547028	19.25	ng	100
66) 4-Bromophenyl-phenylether	10.35	248	30530	4.37	ng	# 1
71) Anthracene	11.11	178	17067	Below Cal		98
73) Di-n-butylphthalate	11.62	149	14282	Below Cal		96
74) Fluoranthene	12.24	202	106882	Below Cal		91
76) Benzidine	12.62	184	22391	Below Cal	#	92
77) Pyrene	12.46	202	145890	4.54	ng	97
80) Benzo(a)anthracene	13.65	228	164390	6.64	ng	97
82) Chrysene	13.65	228	164390	6.62	ng	93
85) Indeno(1,2,3-cd)pyrene	16.23	276	57195	2.66	ng	94
87) Benzo(b)fluoranthene	14.66	252	236874	10.43	ng	99
88) Benzo(k)fluoranthene	14.66	252	236874	12.23	ng	98
89) Benzo(a)pyrene	14.97	252	101145	5.02	ng	97
91) Benzo(g,h,i)perylene	16.59	276	50577	2.94	ng	# 94

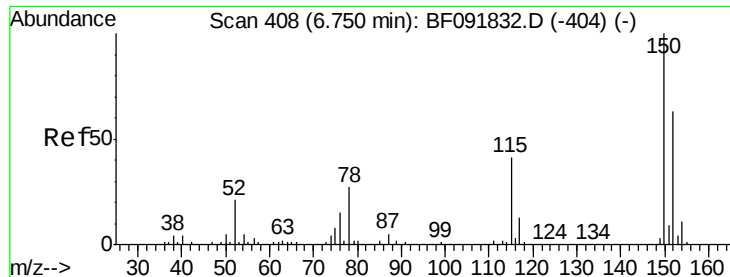
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012017\
Data File : BF092372.D
Acq On : 20 Jan 2017 14:52
Operator : UM/SJ
Sample : I1304-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-15-41-COMP

Quant Time: Jan 20 22:13:14 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 428

Delta R.T. 0.04 min

Lab File: BF092372.D

Acq: 20 Jan 2017 14:52

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-15-41-COMP

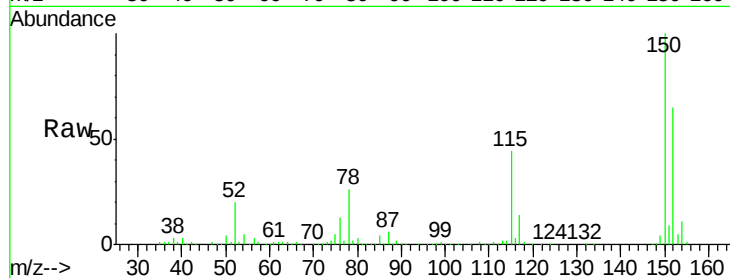
Tgt Ion:152 Resp: 582222

Ion Ratio Lower Upper

152 100

150 153.6 124.9 187.3

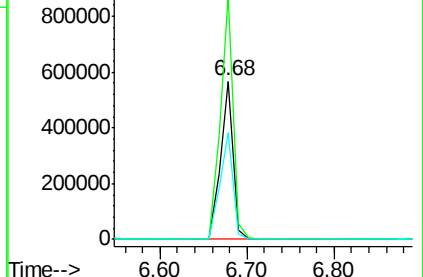
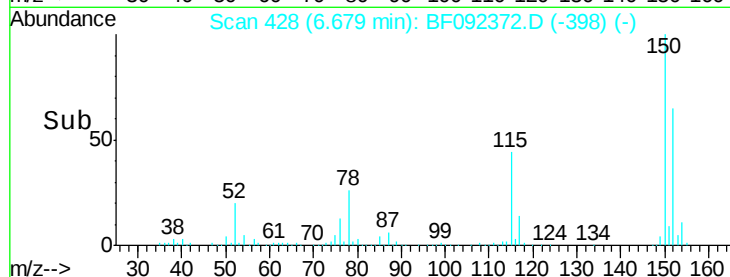
115 66.9 46.0 69.0



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: 39.32 ng

RT: 5.11 min Scan# 291

Delta R.T. -0.12 min

Lab File: BF092372.D

Acq: 20 Jan 2017 14:52

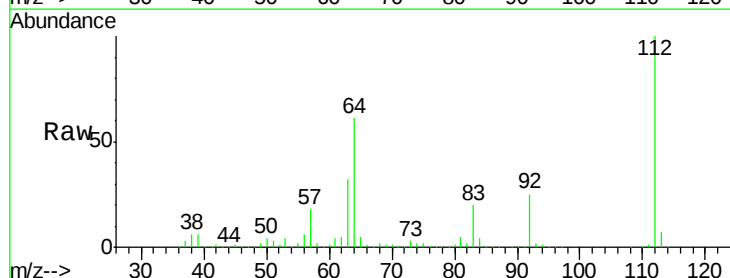
Tgt Ion:112 Resp: 1371039

Ion Ratio Lower Upper

112 100

64 60.9 46.1 69.1

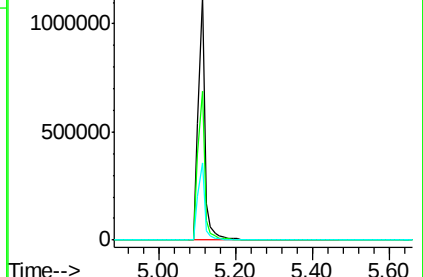
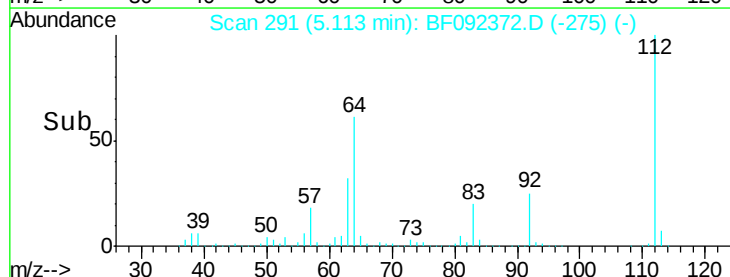
63 31.7 23.8 35.6

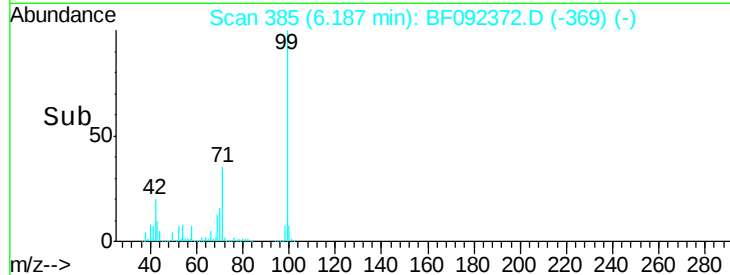
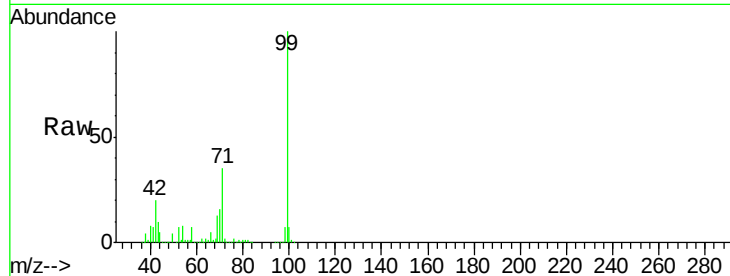


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 43.57 ng

RT: 6.19 min Scan# 385

Delta R.T. -0.12 min

Lab File: BF092372.D

Acq: 20 Jan 2017 14:52

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-15-41-COMP

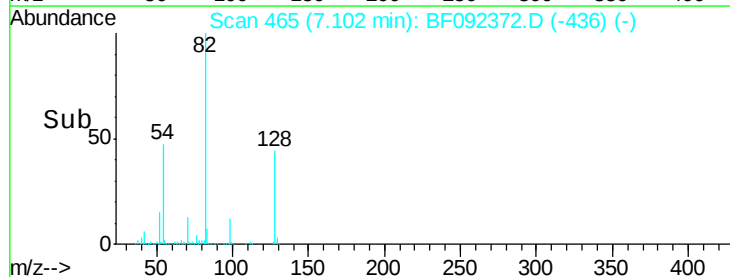
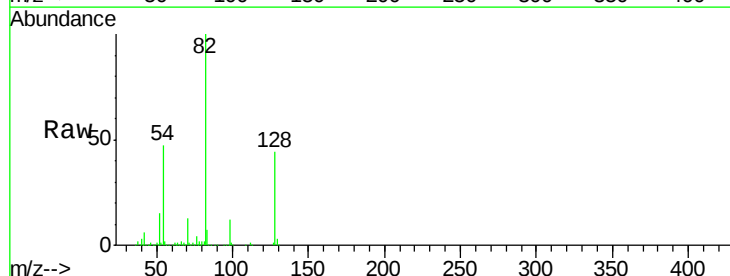
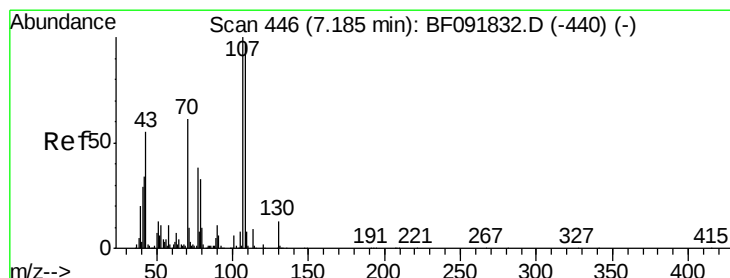
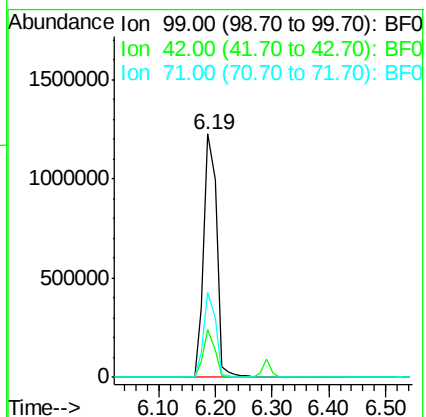
Tgt Ion: 99 Resp: 1854662

Ion Ratio Lower Upper

99 100

42 19.8 15.6 23.4

71 34.7 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 6.15 ng

RT: 7.10 min Scan# 465

Delta R.T. 0.03 min

Lab File: BF092372.D

Acq: 20 Jan 2017 14:52

Tgt Ion: 70 Resp: 174222

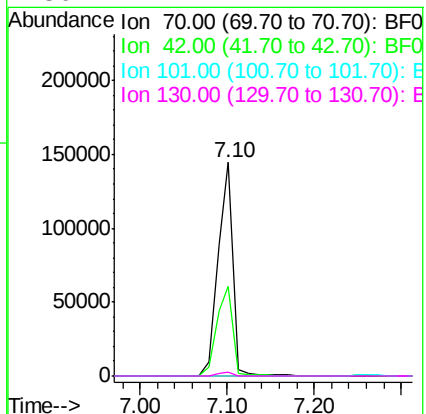
Ion Ratio Lower Upper

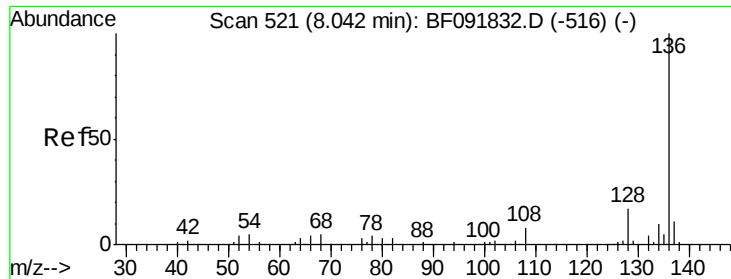
70 100

42 42.0 49.4 74.0#

101 0.0 7.4 11.2#

130 2.1 14.2 21.4#

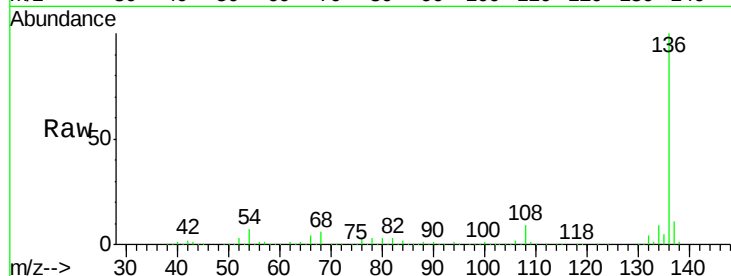




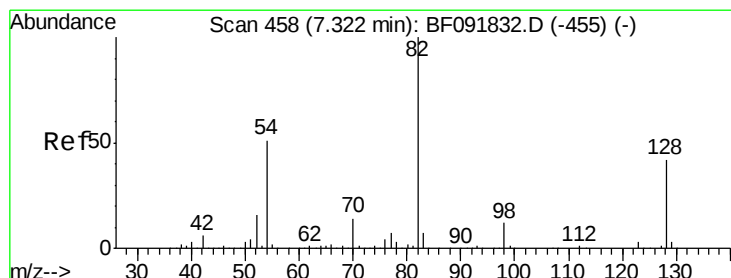
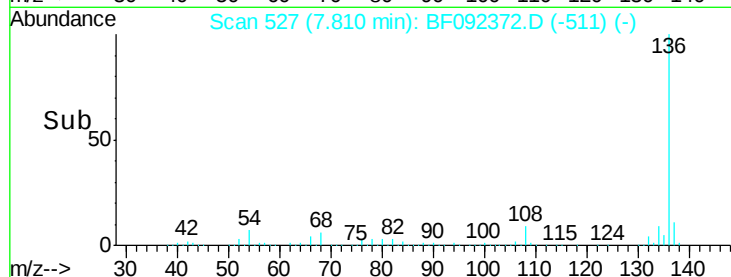
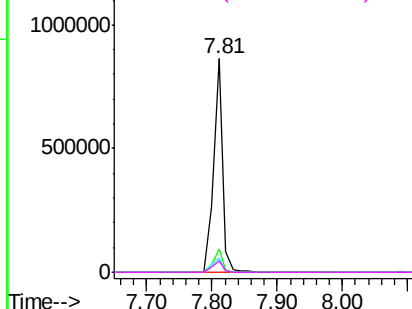
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.81 min Scan# 527
Delta R.T. -0.12 min
Lab File: BF092372.D
Acq: 20 Jan 2017 14:52

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-15-41-COMP

Tgt Ion: 136 Resp: 849639
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 6.6 4.5 6.7
68 5.6 3.6 5.4#

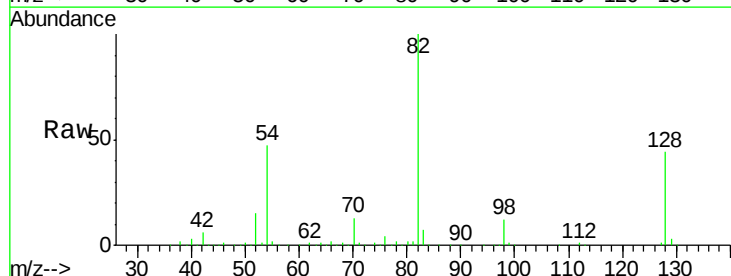


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

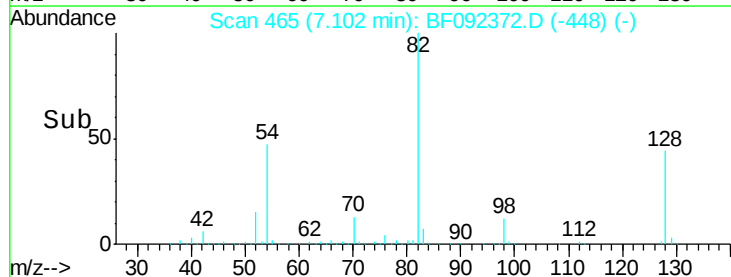
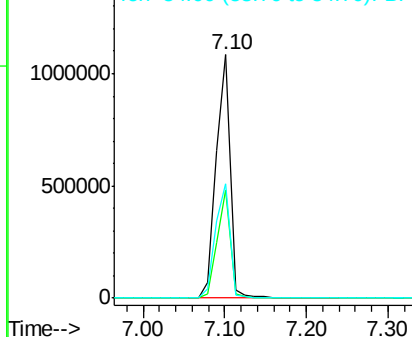


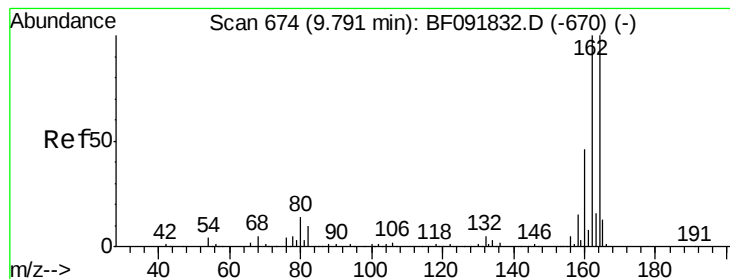
#23
Nitrobenzene-d5
Concen: 84.61 ng
RT: 7.10 min Scan# 465
Delta R.T. -0.11 min
Lab File: BF092372.D
Acq: 20 Jan 2017 14:52

Tgt Ion: 82 Resp: 1292865
Ion Ratio Lower Upper
82 100
128 44.2 34.6 52.0
54 47.2 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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.56 min Scan# 680

Delta R.T. -0.12 min

Lab File: BF092372.D

Acq: 20 Jan 2017 14:52

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-15-41-COMP

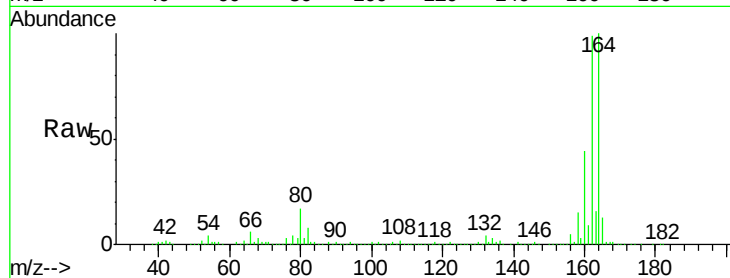
Tgt Ion:164 Resp: 444263

Ion Ratio Lower Upper

164 100

162 99.0 80.2 120.2

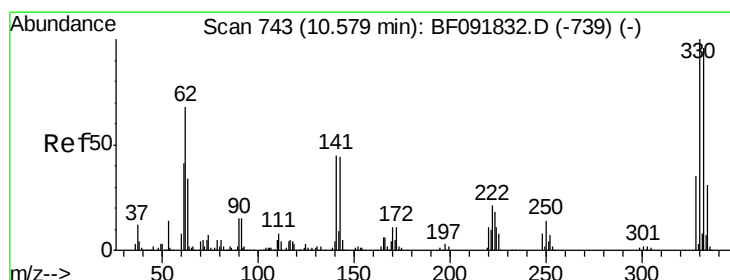
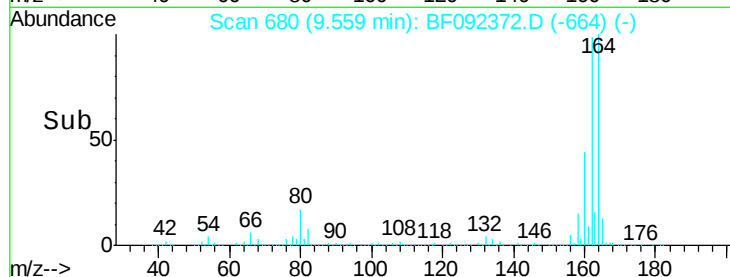
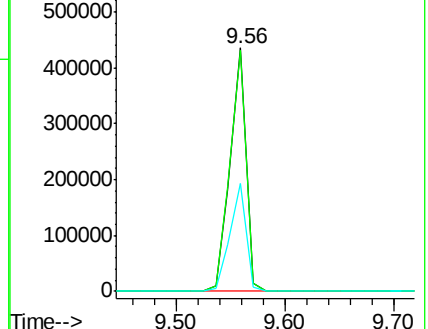
160 44.2 36.9 55.3



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: 126.38 ng

RT: 10.35 min Scan# 749

Delta R.T. -0.12 min

Lab File: BF092372.D

Acq: 20 Jan 2017 14:52

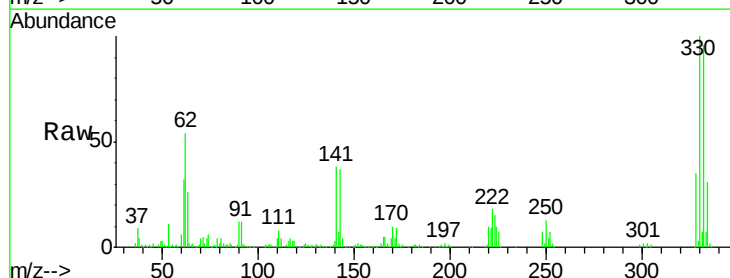
Tgt Ion:330 Resp: 464635

Ion Ratio Lower Upper

330 100

332 95.7 77.4 116.2

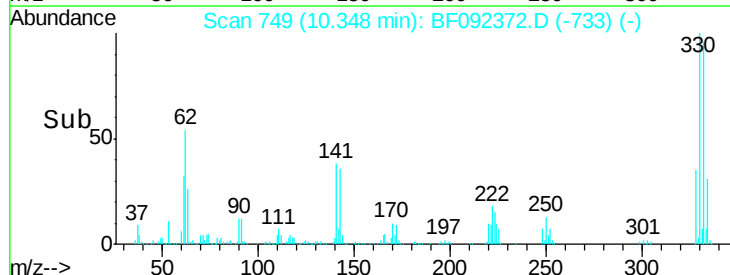
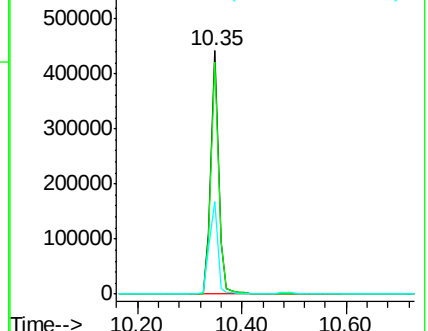
141 39.7 34.1 51.1

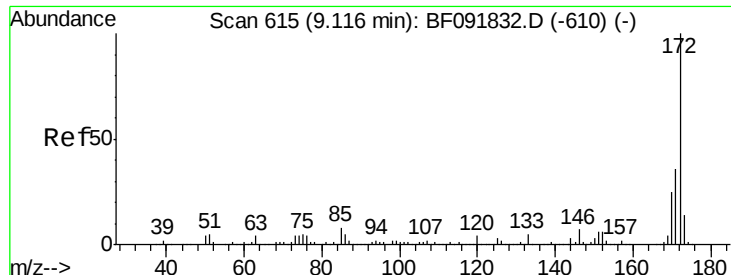


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

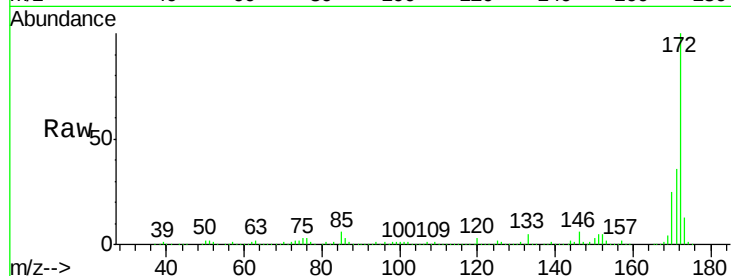




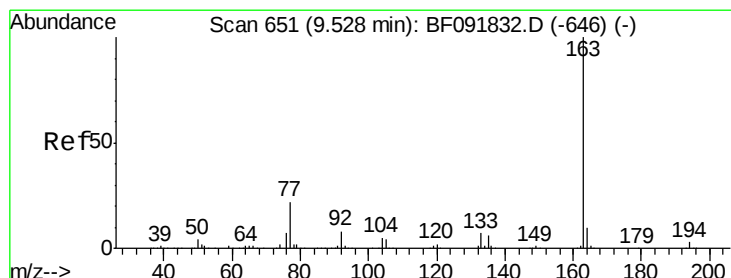
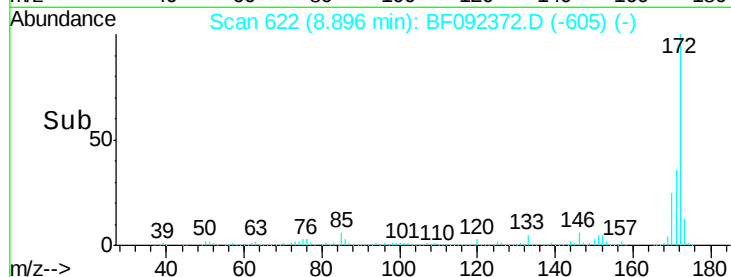
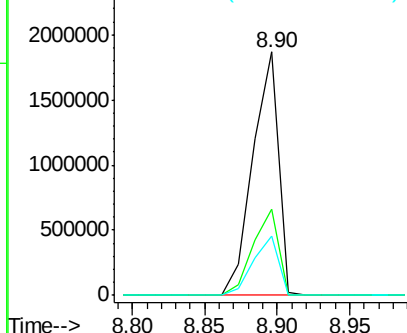
#44
 2-Fluorobiphenyl
 Concen: 109.45 ng
 RT: 8.90 min Scan# 622
 Delta R.T. -0.11 min
 Lab File: BF092372.D
 Acq: 20 Jan 2017 14:52

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-15-41-COMP

Tgt Ion:172 Resp: 2292738
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.4 44.0
 170 24.5 20.2 30.4

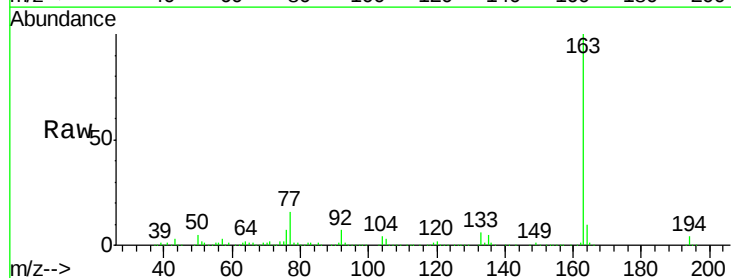


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

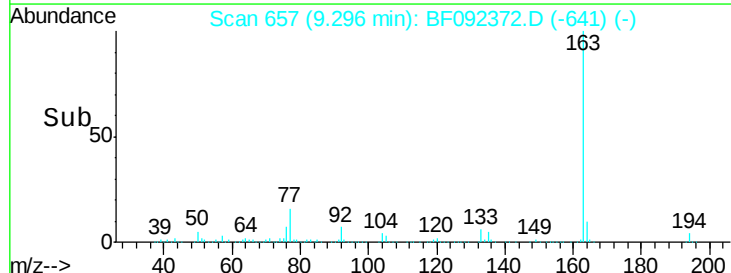
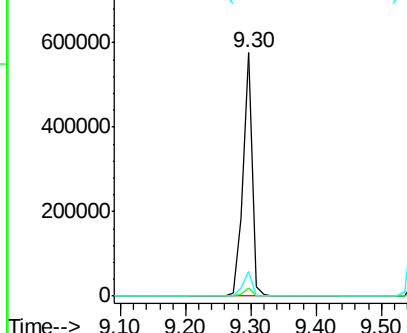


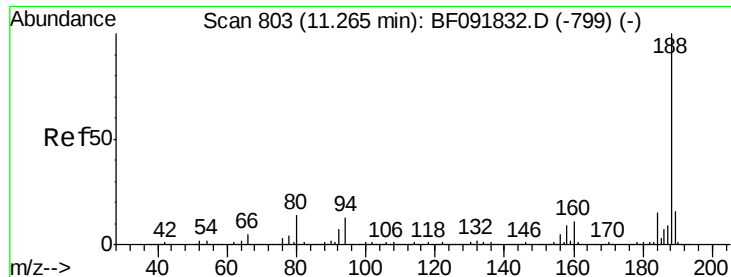
#49
 Dimethylphthalate
 Concen: 19.25 ng
 RT: 9.30 min Scan# 657
 Delta R.T. -0.12 min
 Lab File: BF092372.D
 Acq: 20 Jan 2017 14:52

Tgt Ion:163 Resp: 547028
 Ion Ratio Lower Upper
 163 100
 194 3.5 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

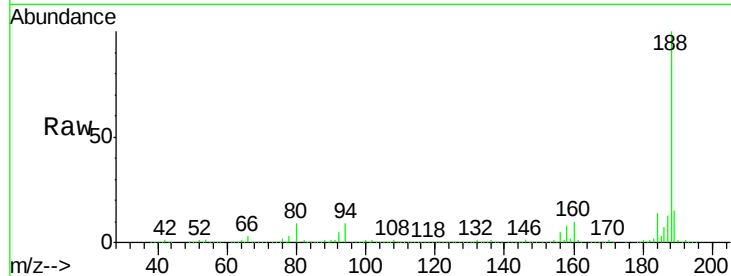




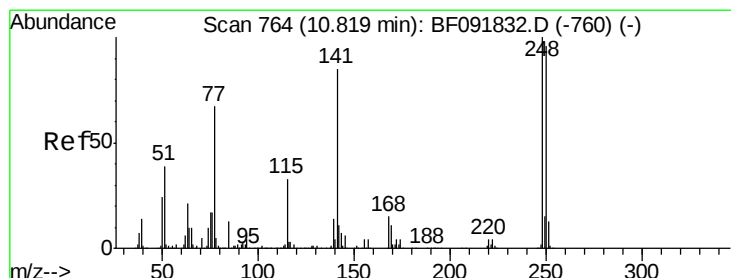
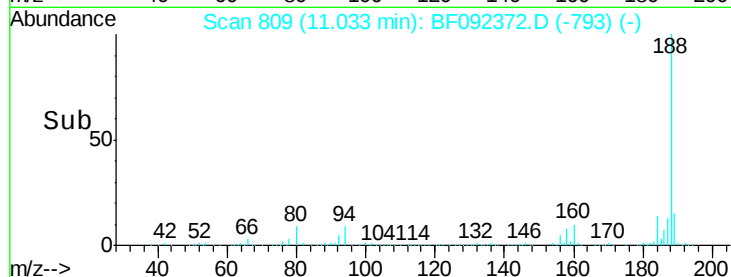
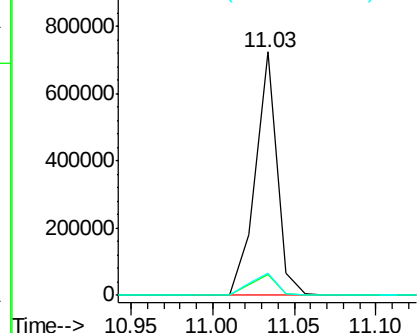
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.03 min Scan# 809
 Delta R.T. -0.12 min
 Lab File: BF092372.D
 Acq: 20 Jan 2017 14:52

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-15-41-COMP

Tgt Ion:188 Resp: 670858
 Ion Ratio Lower Upper
 188 100
 94 8.8 10.0 15.0#
 80 9.3 11.2 16.8#

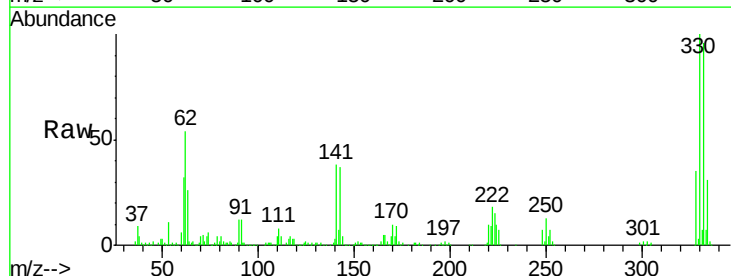


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

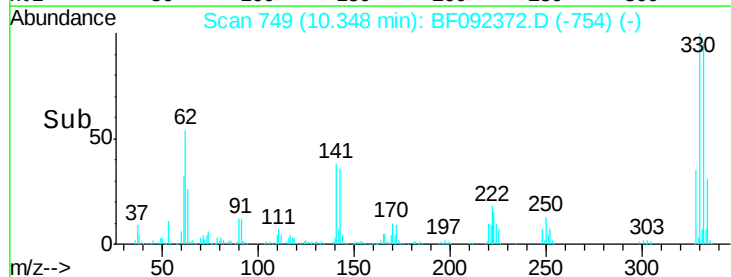
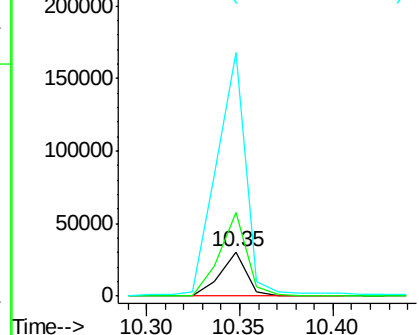


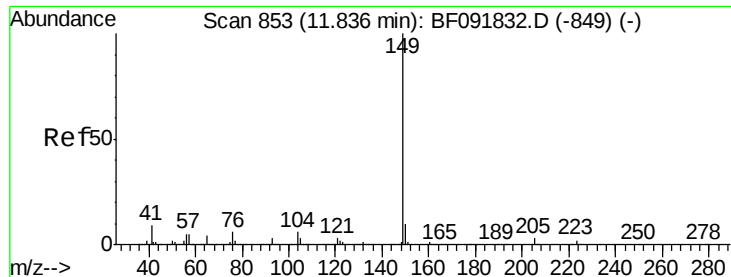
#66
 4-Bromophenyl-phenylether
 Concen: 4.37 ng
 RT: 10.35 min Scan# 749
 Delta R.T. -0.36 min
 Lab File: BF092372.D
 Acq: 20 Jan 2017 14:52

Tgt Ion:248 Resp: 30530
 Ion Ratio Lower Upper
 248 100
 250 188.6 76.9 115.3#
 141 551.2 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: 11.62 min Scan# 860

Delta R.T. -0.11 min

Lab File: BF092372.D

Acq: 20 Jan 2017 14:52

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-15-41-COMP

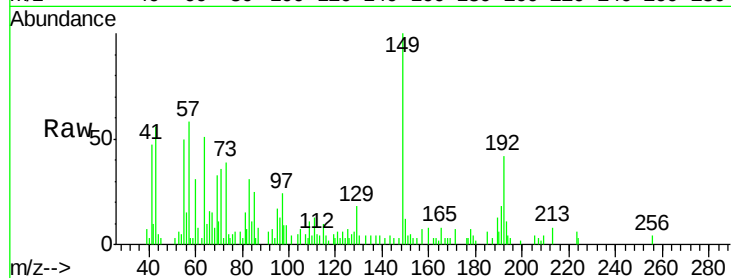
Tgt Ion:149 Resp: 14282

Ion Ratio Lower Upper

149 100

150 11.6 8.1 12.1

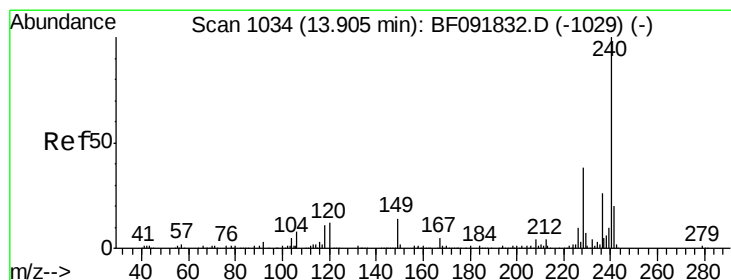
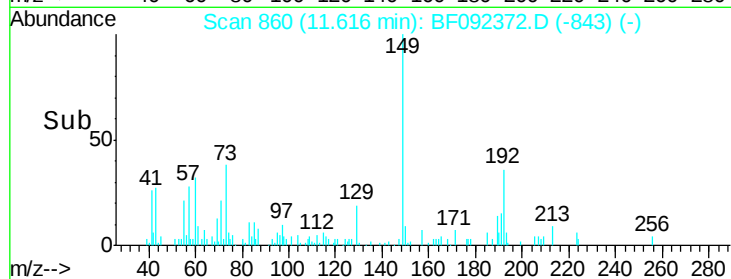
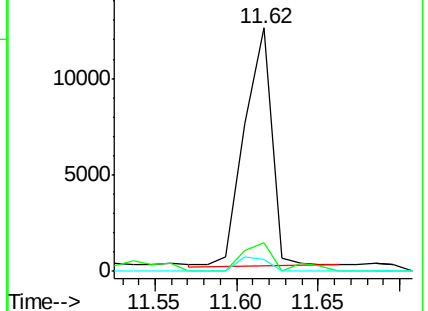
104 4.8 4.6 7.0



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.66 min Scan# 1039

Delta R.T. -0.12 min

Lab File: BF092372.D

Acq: 20 Jan 2017 14:52

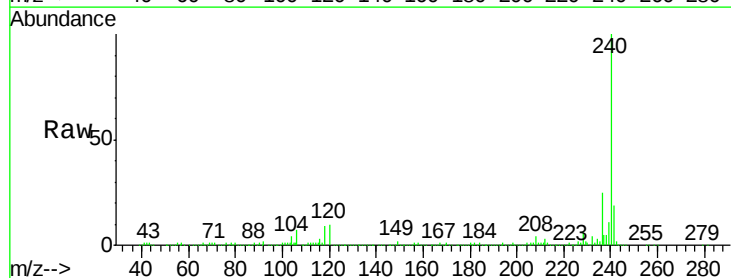
Tgt Ion:240 Resp: 438321

Ion Ratio Lower Upper

240 100

120 10.1 12.9 19.3#

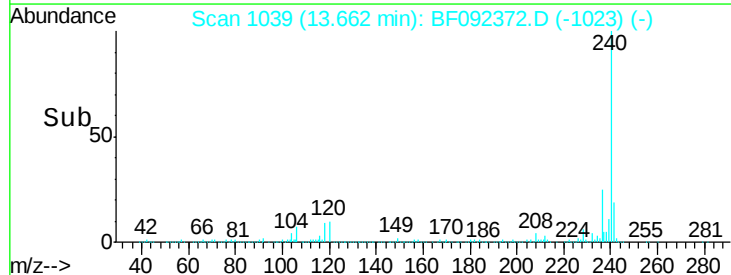
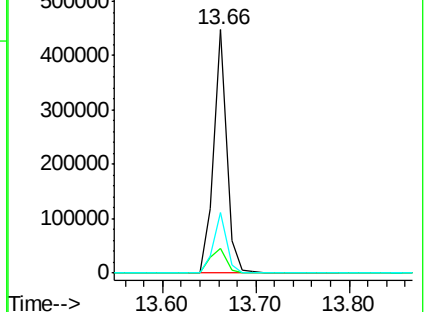
236 25.1 20.9 31.3

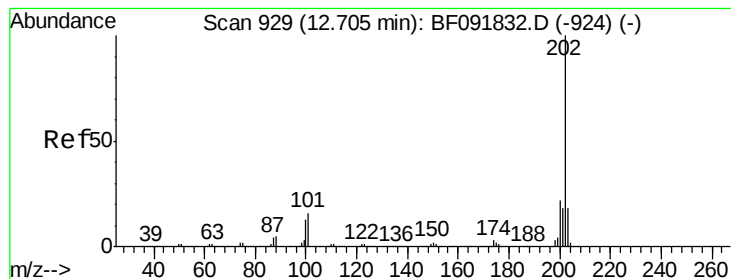


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 4.54 ng

RT: 12.46 min Scan# 934

Delta R.T. -0.12 min

Lab File: BF092372.D

Acq: 20 Jan 2017 14:52

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-15-41-COMP

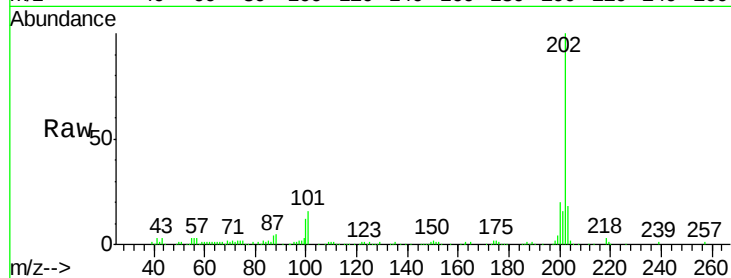
Tgt Ion:202 Resp: 145890

Ion Ratio Lower Upper

202 100

200 19.8 17.7 26.5

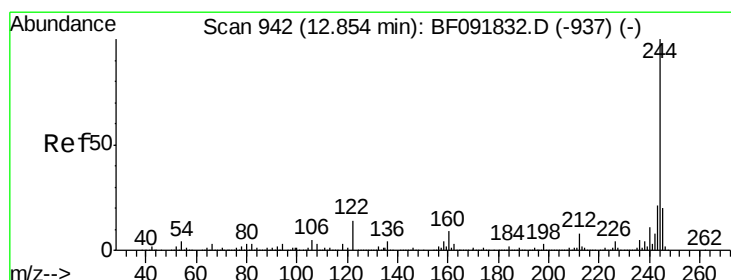
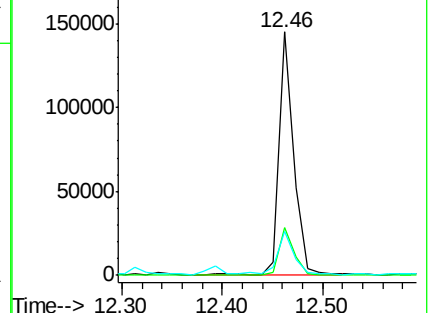
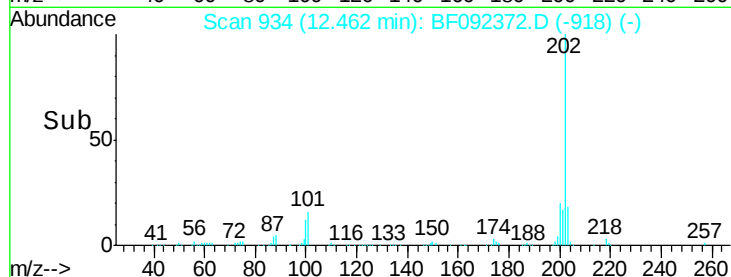
203 17.9 14.7 22.1



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: 92.45 ng

RT: 12.62 min Scan# 948

Delta R.T. -0.12 min

Lab File: BF092372.D

Acq: 20 Jan 2017 14:52

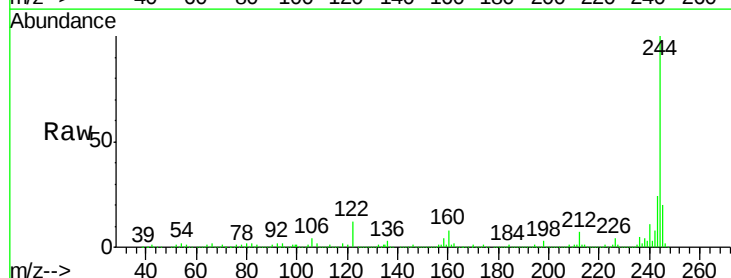
Tgt Ion:244 Resp: 1670837

Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

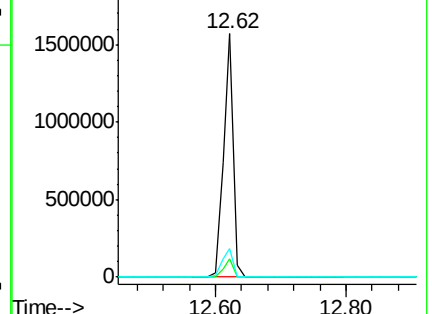
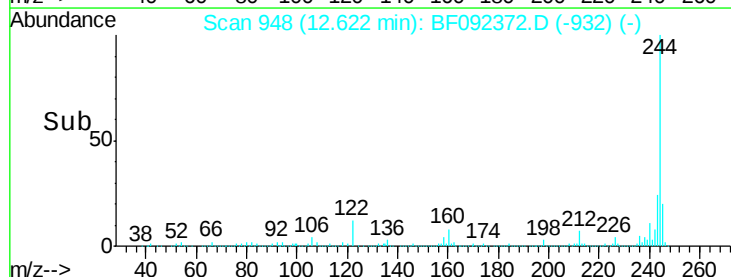
122 11.8 11.4 17.2

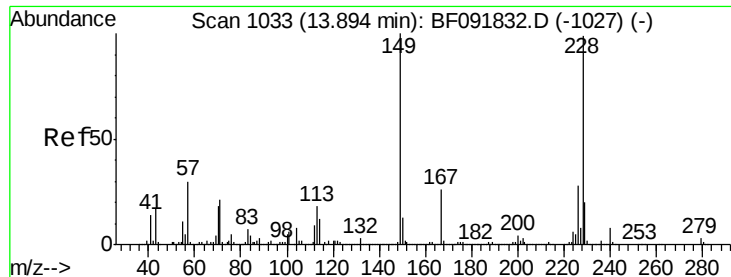


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 6.64 ng

RT: 13.65 min Scan# 1038

Delta R.T. -0.12 min

Lab File: BF092372.D

Acq: 20 Jan 2017 14:52

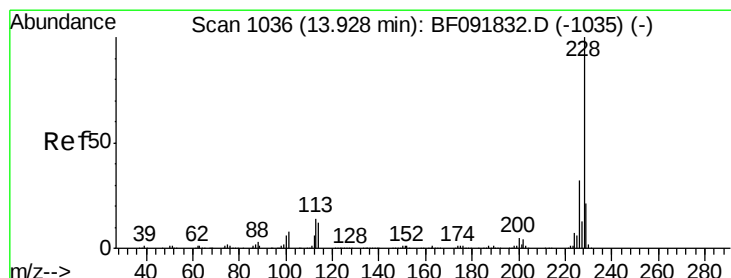
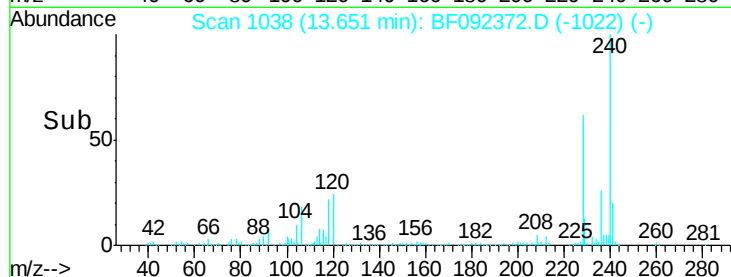
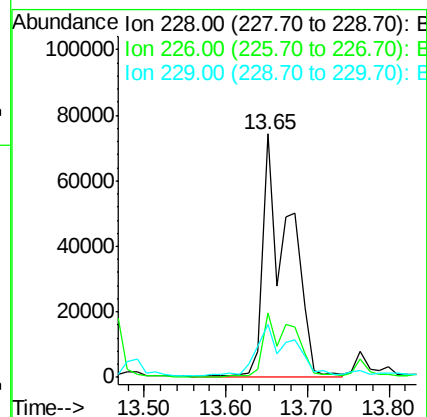
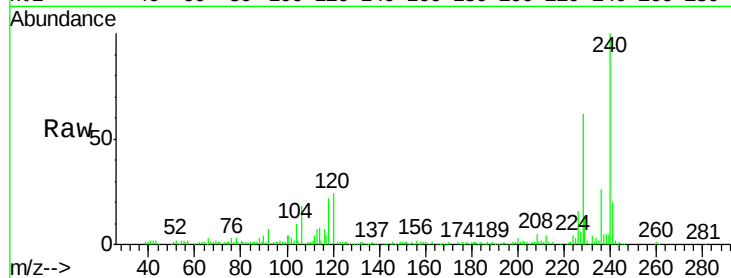
Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-15-41-COMP

Tgt Ion:	228	Resp:	164390
Ion	Ratio	Lower	Upper
228	100		
226	26.3	22.4	33.6
229	21.5	16.2	24.4



#82

Chrysene

Concen: 6.62 ng

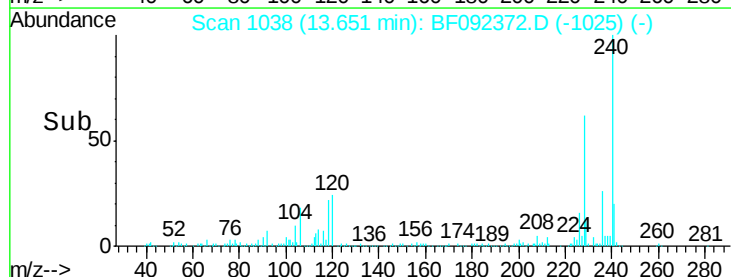
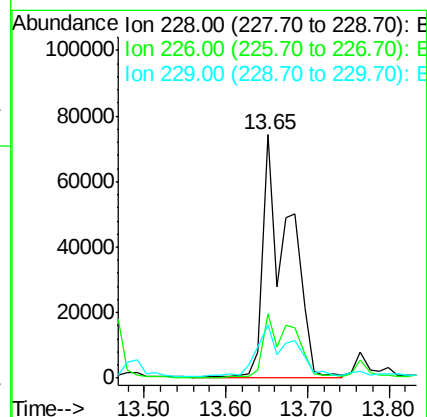
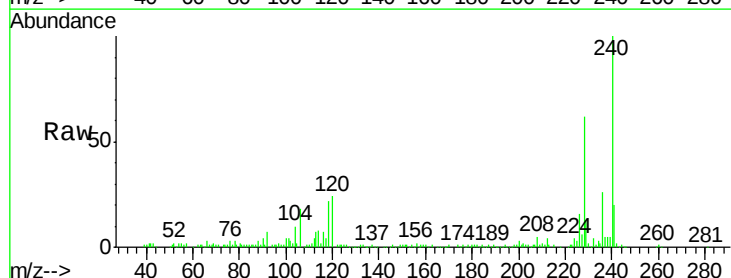
RT: 13.65 min Scan# 1038

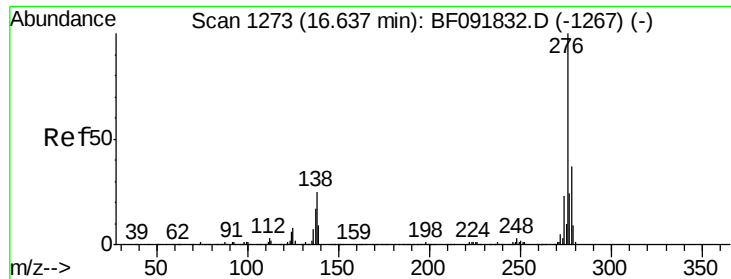
Delta R.T. -0.16 min

Lab File: BF092372.D

Acq: 20 Jan 2017 14:52

Tgt Ion:	228	Resp:	164390
Ion	Ratio	Lower	Upper
228	100		
226	26.3	25.4	38.0
229	21.5	16.2	24.2

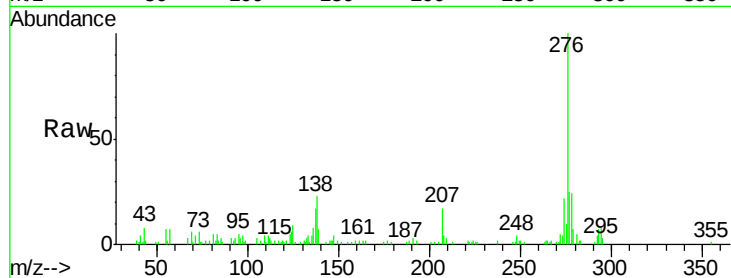




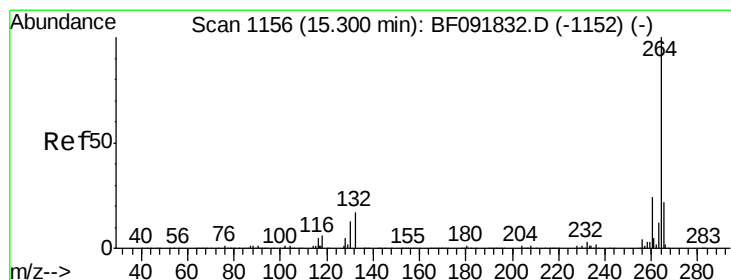
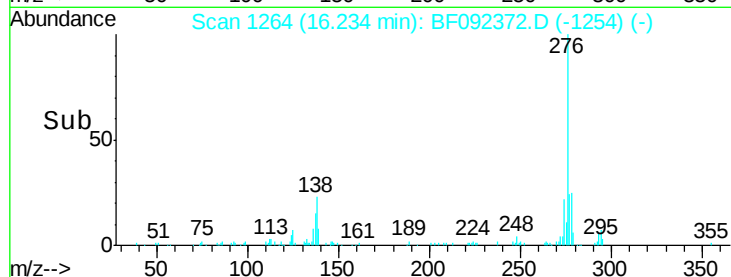
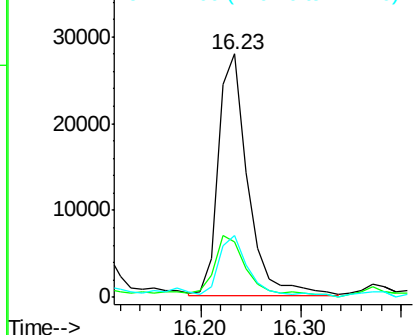
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.66 ng
 RT: 16.23 min Scan# 1264
 Delta R.T. -0.19 min
 Lab File: BF092372.D
 Acq: 20 Jan 2017 14:52

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-15-41-COMP

Tgt Ion	Ratio	Lower	Upper
276	100		
138	32.0	21.8	32.6
277	27.1	20.2	30.4

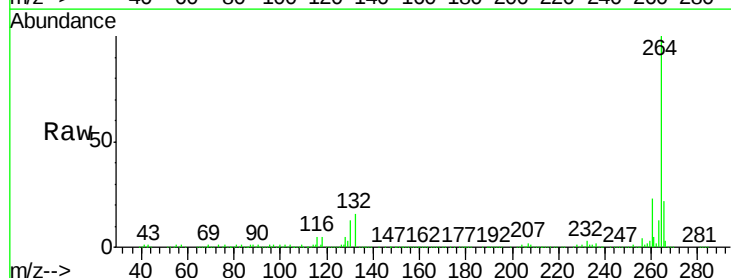


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

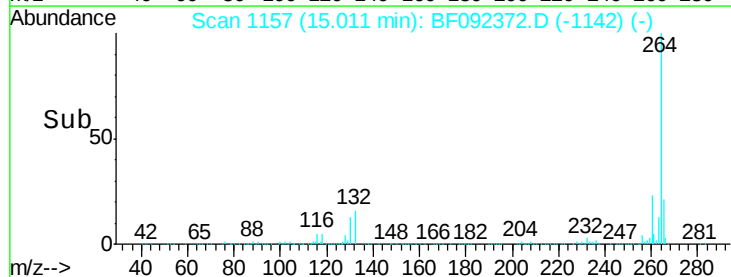
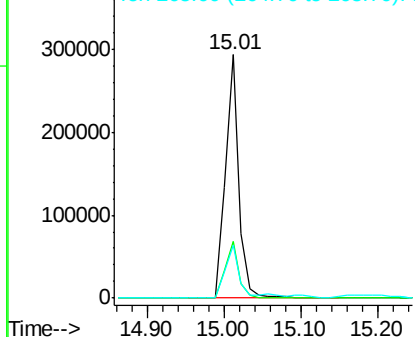


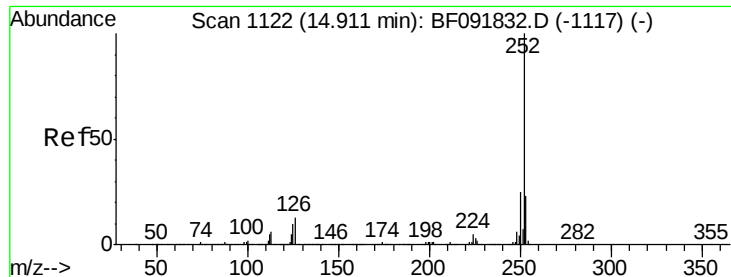
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.01 min Scan# 1157
 Delta R.T. -0.13 min
 Lab File: BF092372.D
 Acq: 20 Jan 2017 14:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.5	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

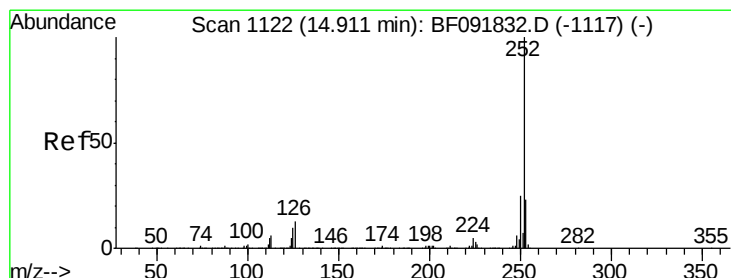
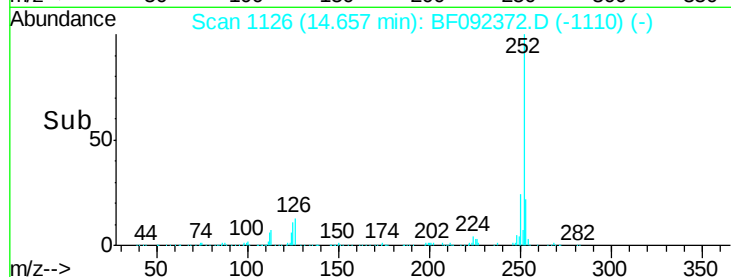
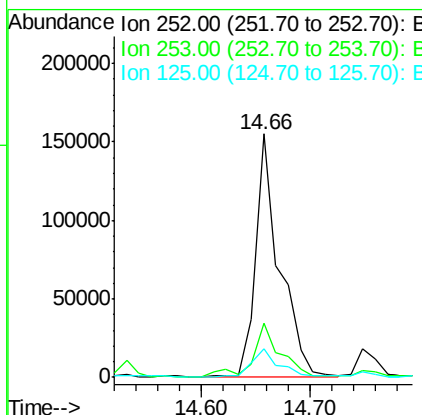
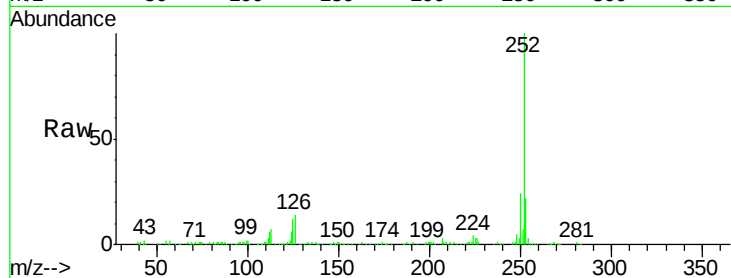




#87
Benzo(b)fluoranthene
Concen: 10.43 ng
RT: 14.66 min Scan# 1126
Delta R.T. -0.12 min
Lab File: BF092372.D
Acq: 20 Jan 2017 14:52

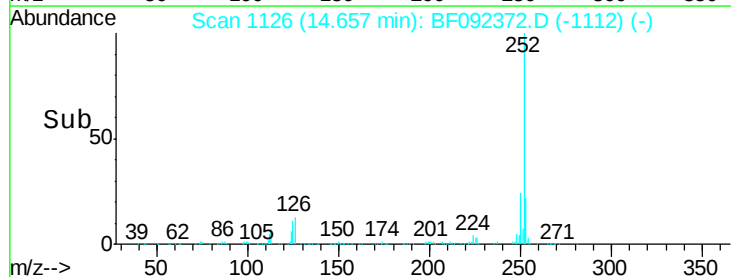
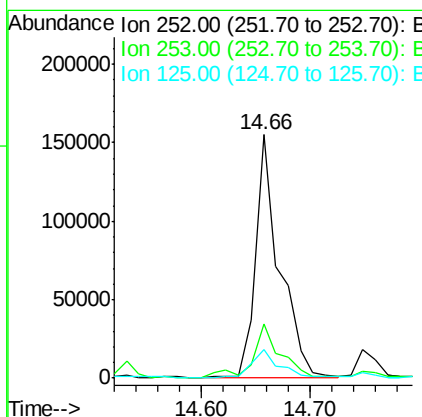
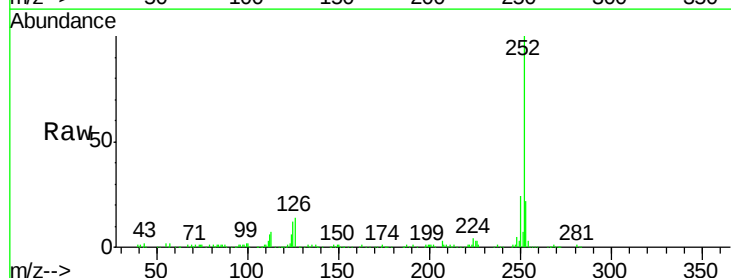
Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-15-41-COMP

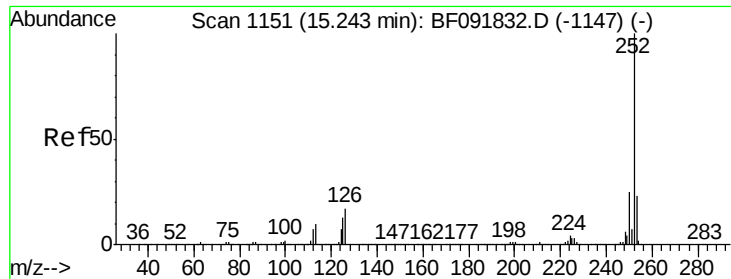
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.4
125	11.8	9.8	14.6



#88
Benzo(k)fluoranthene
Concen: 12.23 ng
RT: 14.66 min Scan# 1126
Delta R.T. -0.15 min
Lab File: BF092372.D
Acq: 20 Jan 2017 14:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.5	27.7
125	11.8	8.9	13.3





#89

Benzo(a)pyrene

Concen: 5.02 ng

RT: 14.97 min Scan# 1153

Delta R.T. -0.13 min

Lab File: BF092372.D

Acq: 20 Jan 2017 14:52

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-15-41-COMP

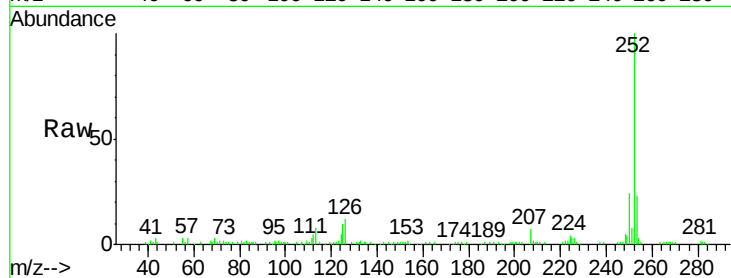
Tgt Ion: 252 Resp: 101145

Ion Ratio Lower Upper

252 100

253 23.1 18.2 27.2

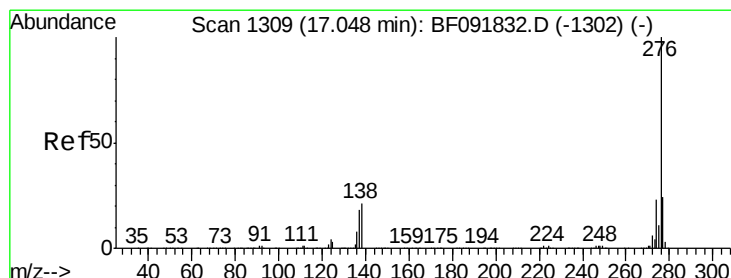
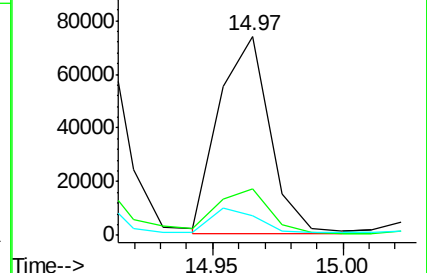
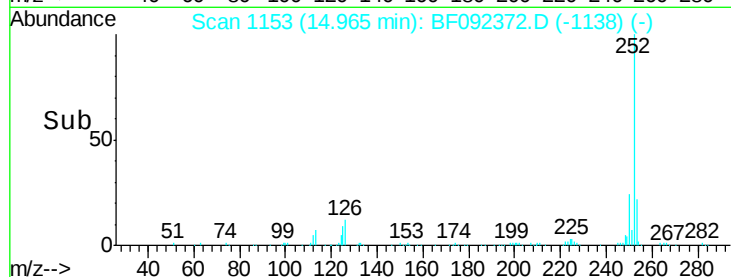
125 10.0 10.0 15.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 2.94 ng

RT: 16.59 min Scan# 1295

Delta R.T. -0.21 min

Lab File: BF092372.D

Acq: 20 Jan 2017 14:52

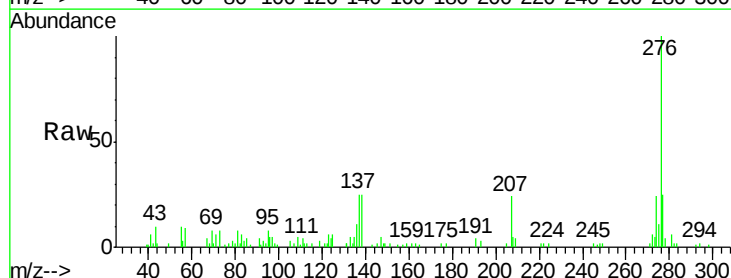
Tgt Ion: 276 Resp: 50577

Ion Ratio Lower Upper

276 100

277 24.5 19.2 28.8

138 25.3 16.0 24.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

