

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111516\
 Data File : BF091182.D
 Acq On : 15 Nov 2016 16:49
 Operator : UM/SJ
 Sample : H5636-09
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CPS02304

Quant Time: Nov 16 06:34:35 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 08 12:59:29 2016
 Response via : Initial Calibration

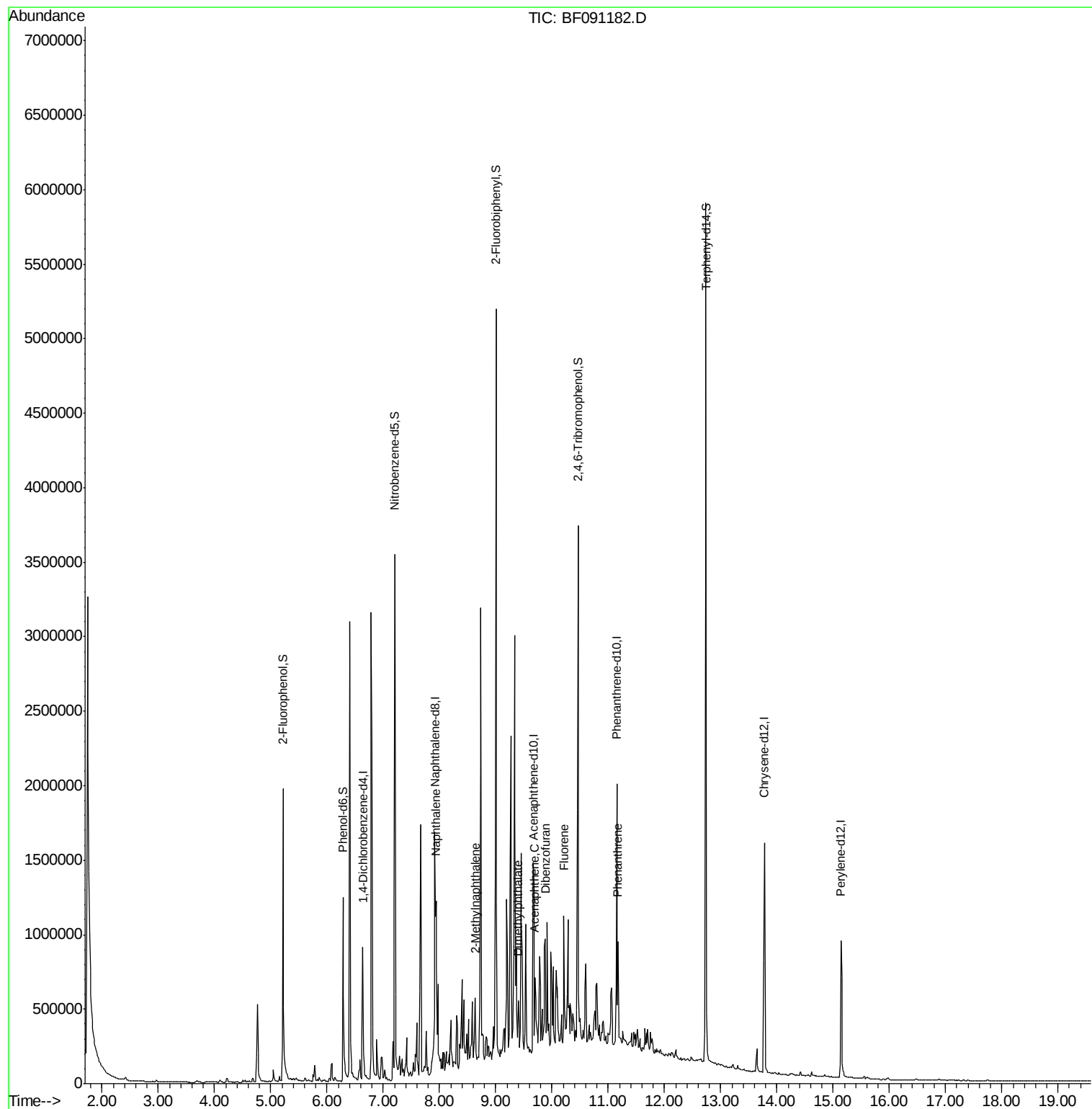
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	165626	20.00	ng	-0.02
21) Naphthalene-d8	7.92	136	705428	20.00	ng	-0.03
38) Acenaphthene-d10	9.68	164	372297	20.00	ng	-0.02
63) Phenanthrene-d10	11.15	188	662920	20.00	ng	-0.02
75) Chrysene-d12	13.78	240	591633	20.00	ng	-0.03
86) Perylene-d12	15.14	264	437185	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	661341	65.95	ng	-0.02
7) Phenol-d6	6.28	99	558898	41.06	ng	-0.03
23) Nitrobenzene-d5	7.21	82	1212245	93.74	ng	-0.03
41) 2,4,6-Tribromophenol	10.46	330	536276	159.33	ng	-0.02
44) 2-Fluorobiphenyl	9.00	172	1834910	84.85	ng	-0.03
78) Terphenyl-d14	12.74	244	2142408	90.36	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	7.94	128	546633	16.20	ng	98
37) 2-Methylnaphthalene	8.64	142	133320	6.15	ng	98
49) Dimethylphthalate	9.40	163	105102	4.31	ng	99
51) Acenaphthene	9.70	154	91851	4.55	ng	99
54) Dibenzofuran	9.88	168	140479	5.17	ng	# 85
57) Fluorene	10.21	166	178302	8.02	ng	# 95
70) Phenanthrene	11.17	178	250346	7.10	ng	97

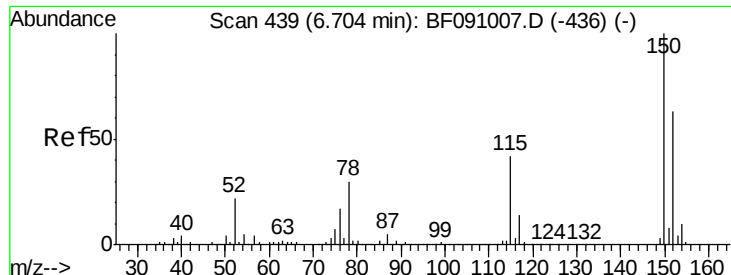
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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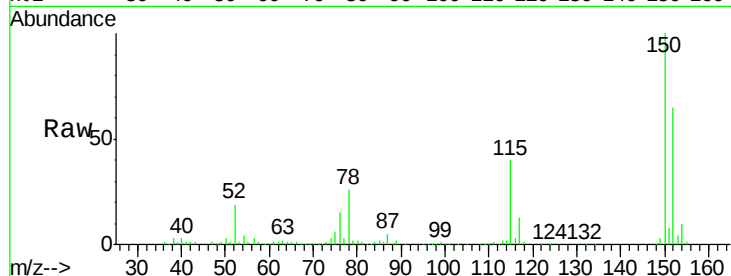


#1

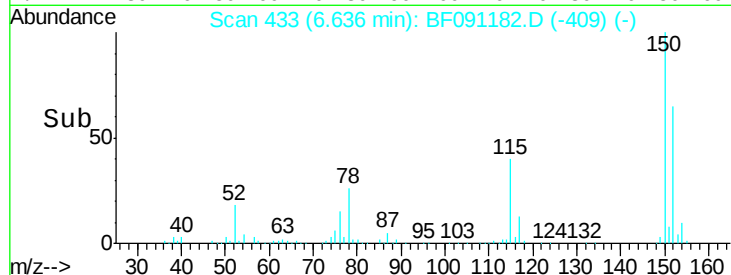
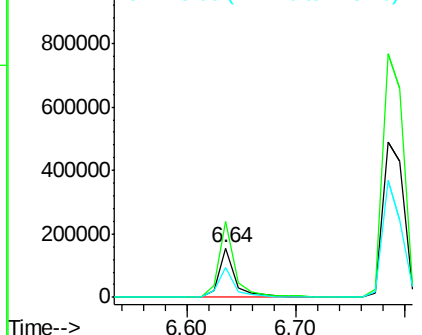
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.64 min Scan# 433
Delta R.T. -0.02 min
Lab File: BF091182.D
Acq: 15 Nov 2016 16:49

Instrument :
BNA_F
ClientSampleId :
CPS02304

Tot Ion:152 Resp: 165626
Ion Ratio Lower Upper
152 100
150 154.1 126.8 190.2
115 61.0 53.3 79.9



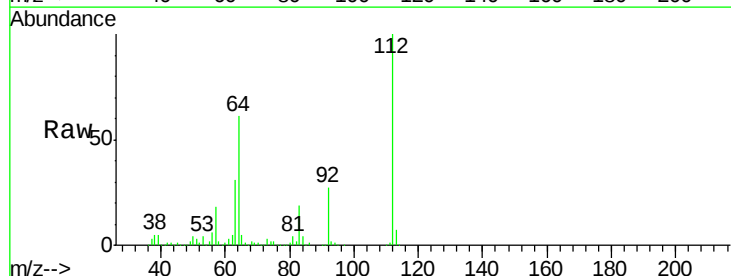
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



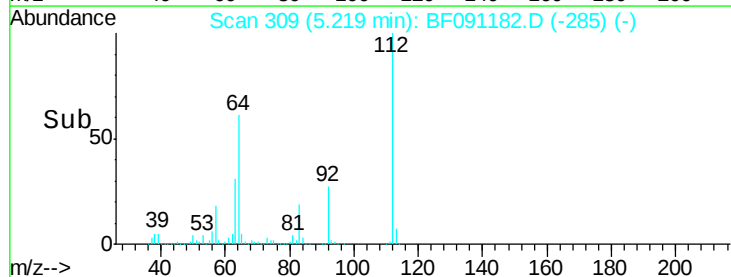
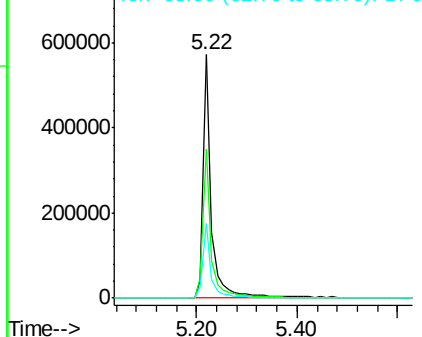
#5

2-Fluorophenol
Concen: 65.95 ng
RT: 5.22 min Scan# 309
Delta R.T. -0.02 min
Lab File: BF091182.D
Acq: 15 Nov 2016 16:49

Tgt Ion:112 Resp: 661341
Ion Ratio Lower Upper
112 100
64 61.1 55.8 83.6
63 30.7 28.0 42.0



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: 41.06 ng

RT: 6.28 min Scan# 402

Delta R.T. -0.03 min

Lab File: BF091182.D

Acq: 15 Nov 2016 16:49

Instrument :

BNA_F

ClientSampleId :

CPS02304

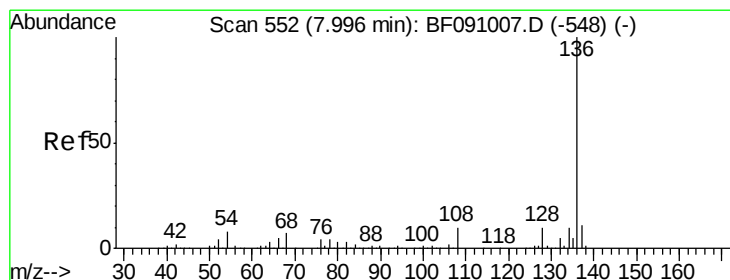
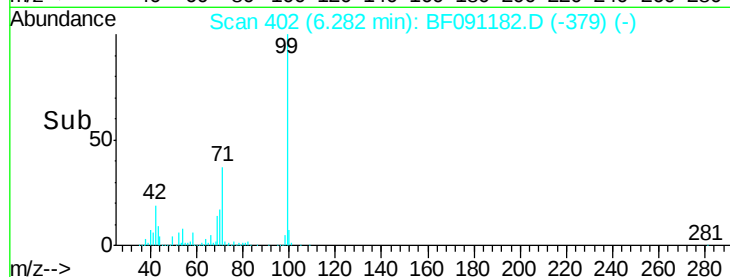
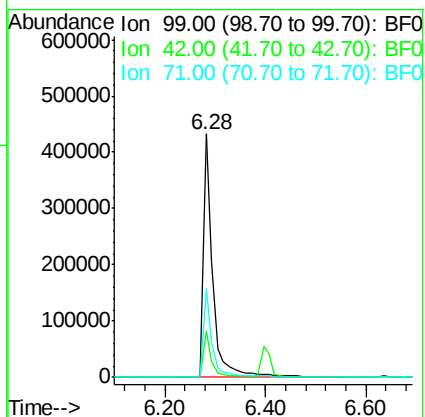
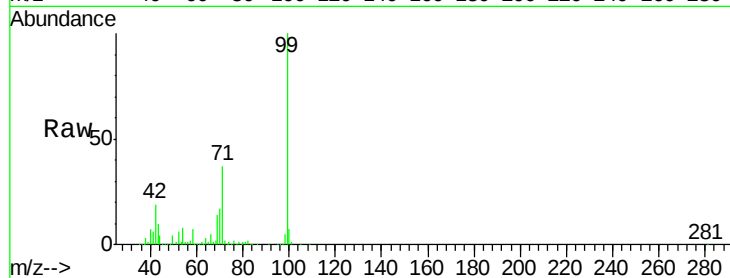
Tot Ion: 99 Resp: 558898

Ion Ratio Lower Upper

99 100

42 18.9 13.9 20.9

71 36.5 27.8 41.8



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.92 min Scan# 545

Delta R.T. -0.03 min

Lab File: BF091182.D

Acq: 15 Nov 2016 16:49

Tgt Ion: 136 Resp: 705428

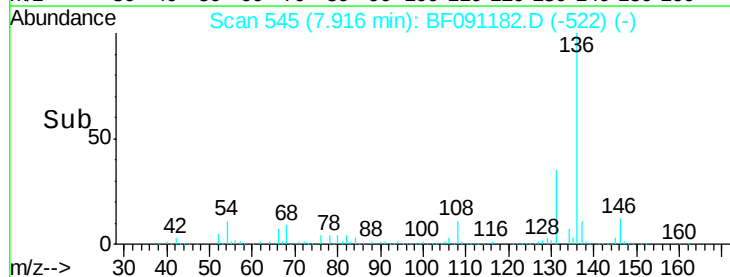
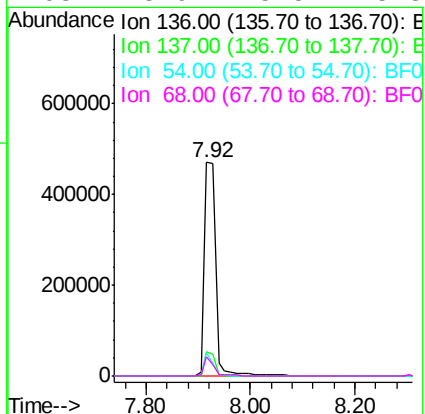
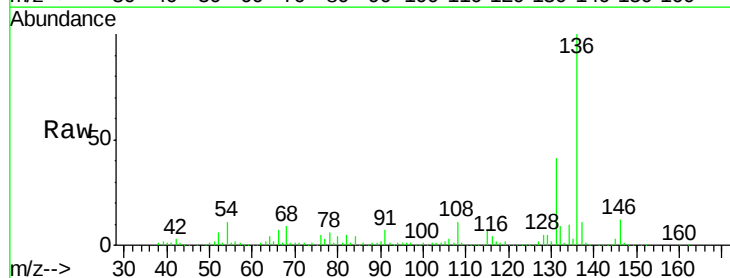
Ion Ratio Lower Upper

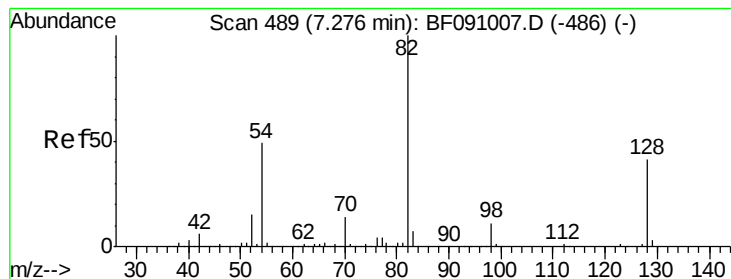
136 100

137 11.3 8.9 13.3

54 10.8 6.2 9.2#

68 8.9 5.5 8.3#





#23

Nitrobenzene-d5

Concen: 93.74 ng

RT: 7.21 min Scan# 483

Delta R.T. -0.03 min

Lab File: BF091182.D

Acq: 15 Nov 2016 16:49

Instrument :

BNA_F

ClientSampleId :

CPS02304

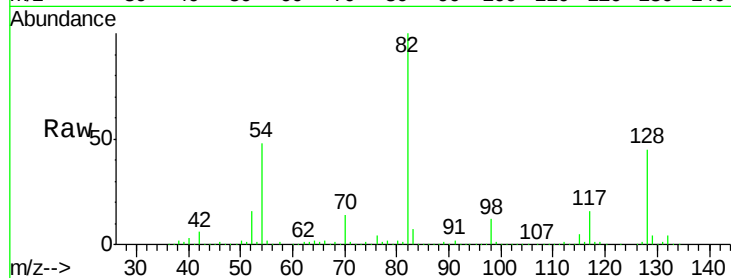
Tot Ion: 82 Resp: 1212245

Ion Ratio Lower Upper

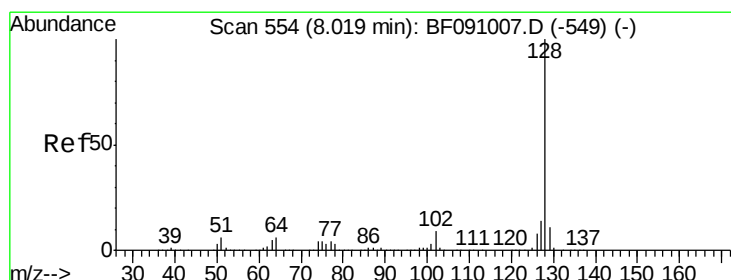
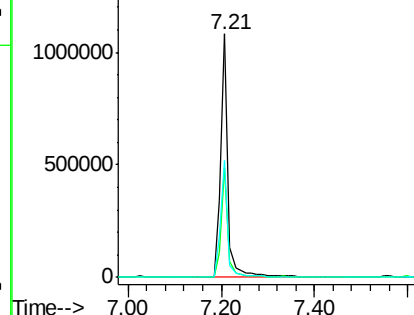
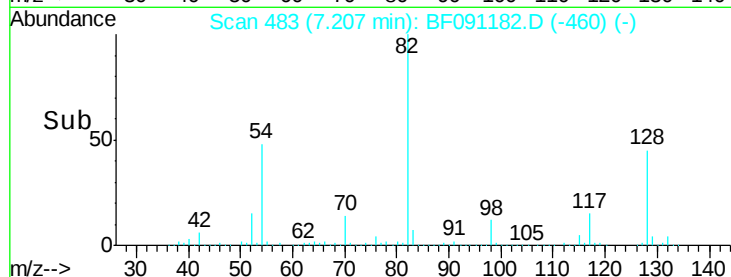
82 100

128 44.8 32.4 48.6

54 47.8 39.2 58.8



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



#31

Naphthalene

Concen: 16.20 ng

RT: 7.94 min Scan# 547

Delta R.T. -0.03 min

Lab File: BF091182.D

Acq: 15 Nov 2016 16:49

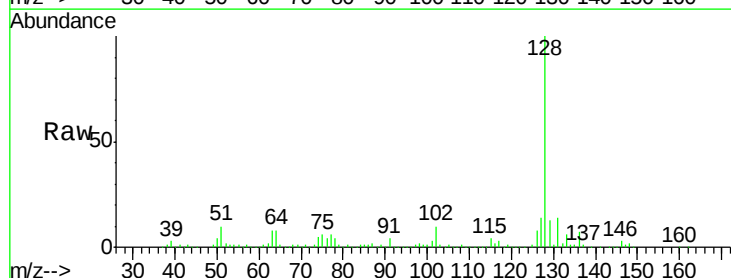
Tgt Ion: 128 Resp: 546633

Ion Ratio Lower Upper

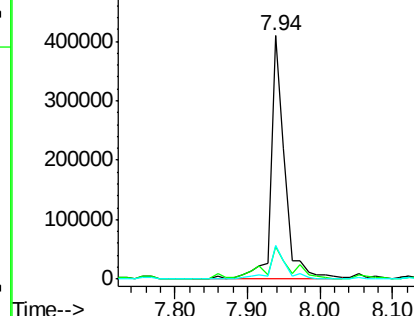
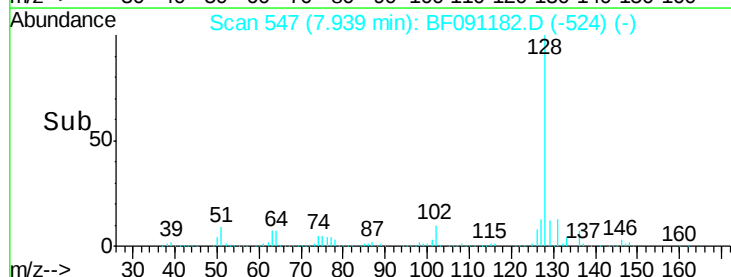
128 100

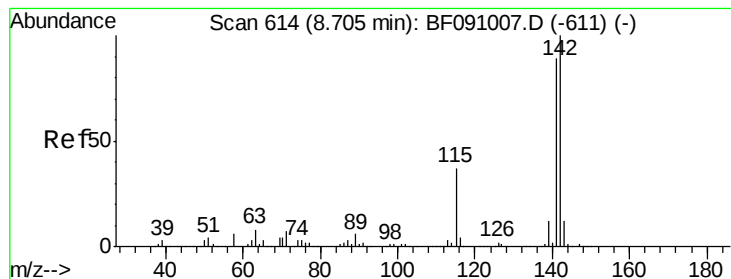
129 13.1 9.0 13.6

127 13.7 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): B
Ion 129.00 (128.70 to 129.70): B
Ion 127.00 (126.70 to 127.70): B

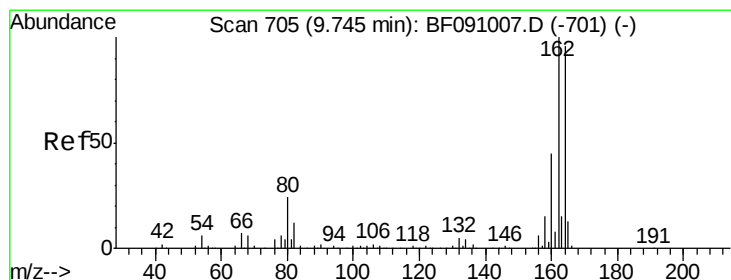
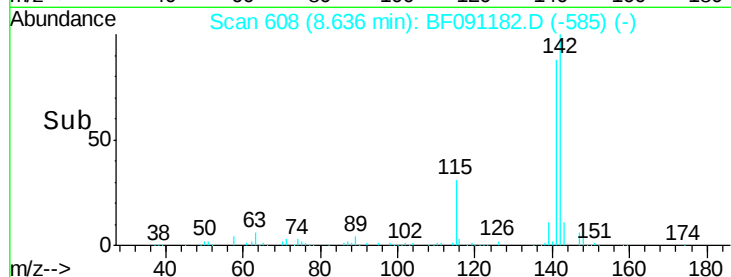
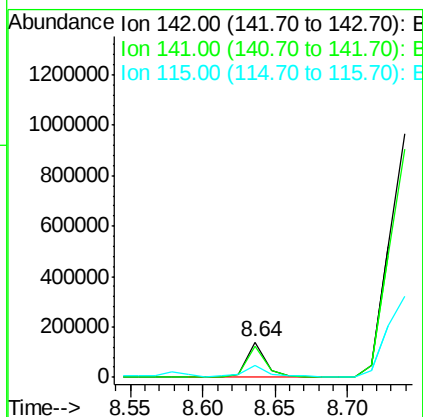
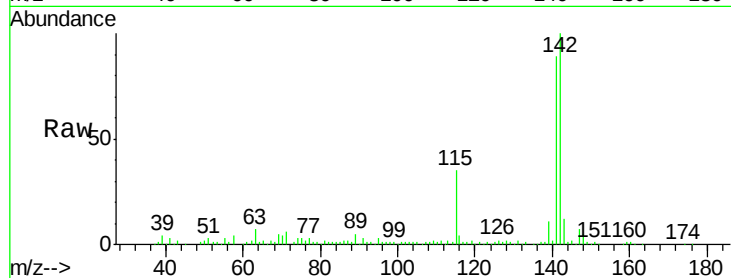




#37
 2-Methylnaphthalene
 Concen: 6.15 ng
 RT: 8.64 min Scan# 608
 Delta R.T. -0.03 min
 Lab File: BF091182.D
 Acq: 15 Nov 2016 16:49

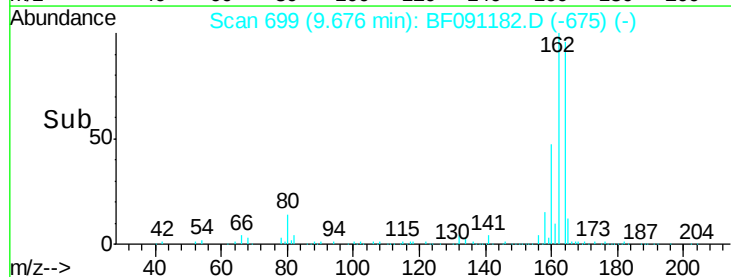
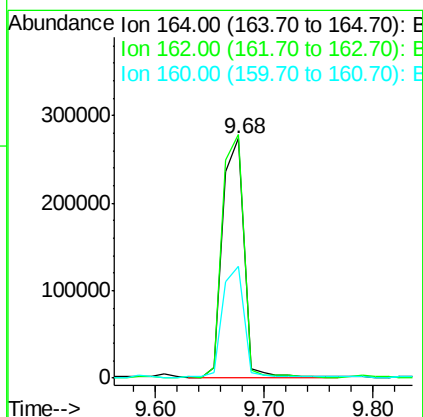
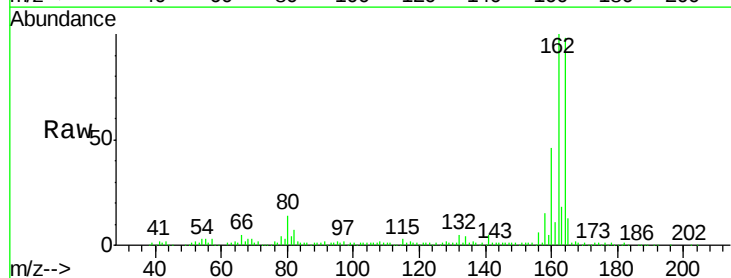
Instrument :
 BNA_F
 ClientSampleId :
 CPS02304

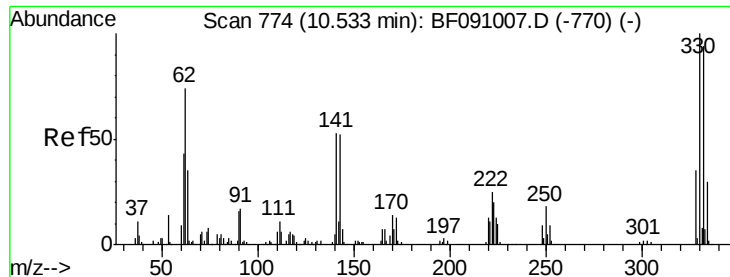
Tot Ion:142 Resp: 133320
 Ion Ratio Lower Upper
 142 100
 141 88.8 71.3 106.9
 115 34.7 29.9 44.9



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.68 min Scan# 699
 Delta R.T. -0.02 min
 Lab File: BF091182.D
 Acq: 15 Nov 2016 16:49

Tgt Ion:164 Resp: 372297
 Ion Ratio Lower Upper
 164 100
 162 101.7 83.6 125.4
 160 46.7 37.9 56.9

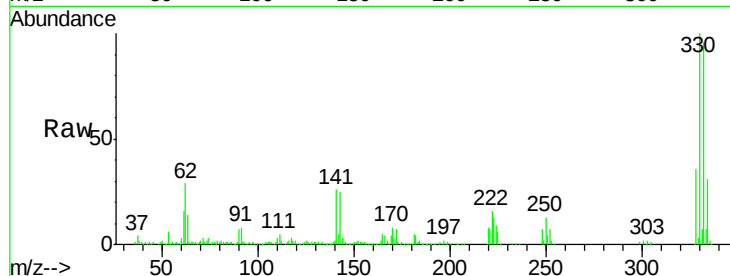




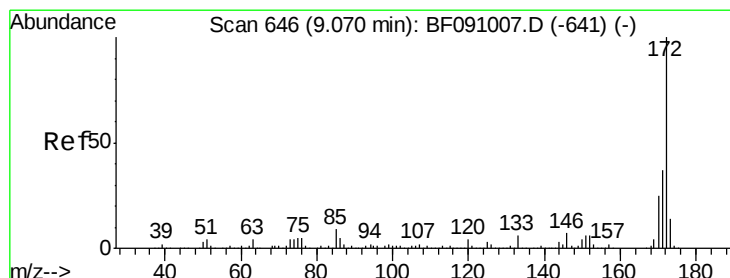
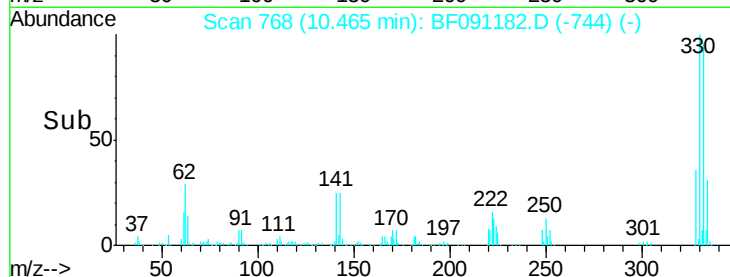
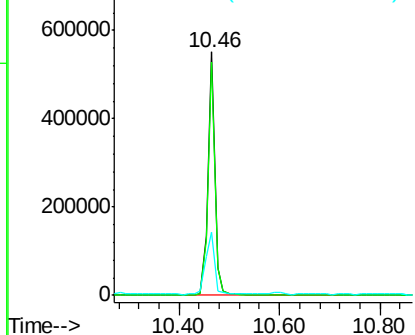
#41
 2,4,6-Tribromophenol
 Concen: 159.33 ng
 RT: 10.46 min Scan# 768
 Delta R.T. -0.02 min
 Lab File: BF091182.D
 Acq: 15 Nov 2016 16:49

Instrument :
 BNA_F
 ClientSampleId :
 CPS02304

Tot Ion:330 Resp: 536276
 Ion Ratio Lower Upper
 330 100
 332 96.1 75.9 113.9
 141 32.7 36.1 54.1#

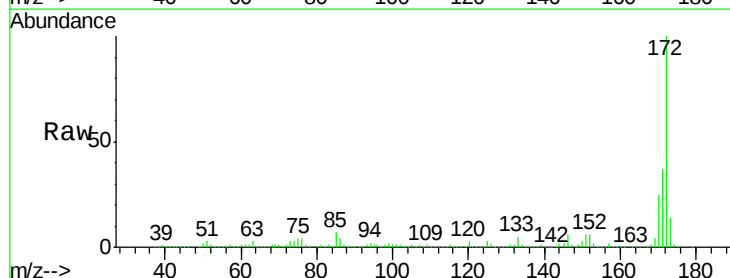


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

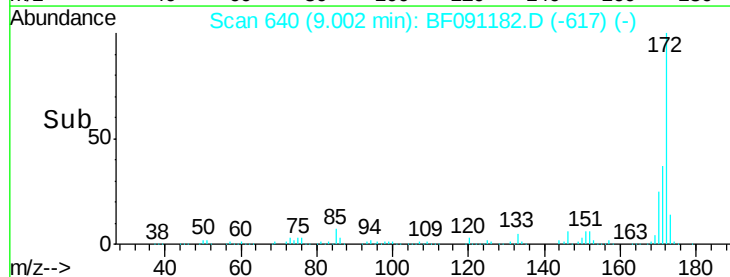
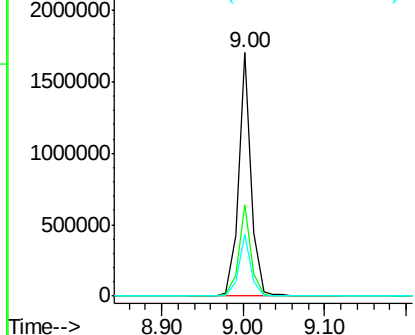


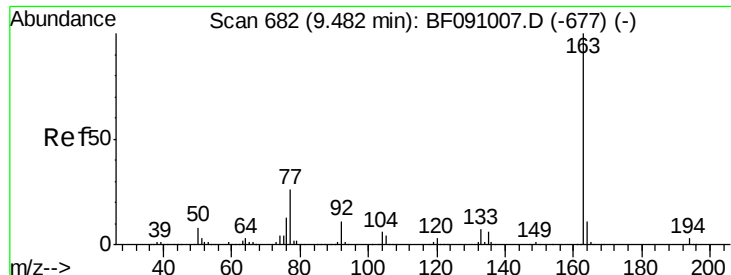
#44
 2-Fluorobiphenyl
 Concen: 84.85 ng
 RT: 9.00 min Scan# 640
 Delta R.T. -0.03 min
 Lab File: BF091182.D
 Acq: 15 Nov 2016 16:49

Tgt Ion:172 Resp: 1834910
 Ion Ratio Lower Upper
 172 100
 171 37.4 29.8 44.6
 170 25.4 20.3 30.5



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: 4.31 ng

RT: 9.40 min Scan# 675

Delta R.T. -0.03 min

Lab File: BF091182.D

Acq: 15 Nov 2016 16:49

Instrument :

BNA_F

ClientSampleId :

CPS02304

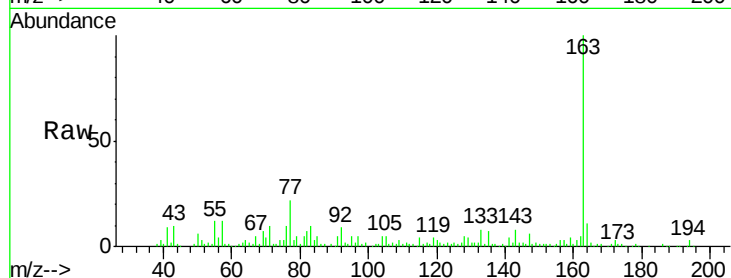
Tot Ion:163 Resp: 105102

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

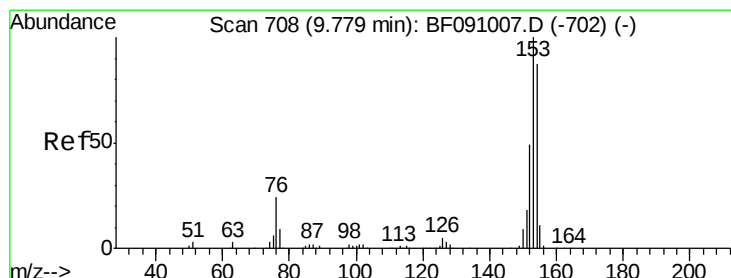
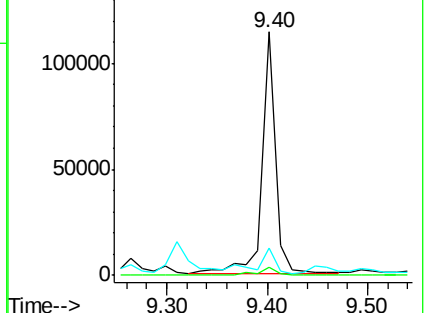
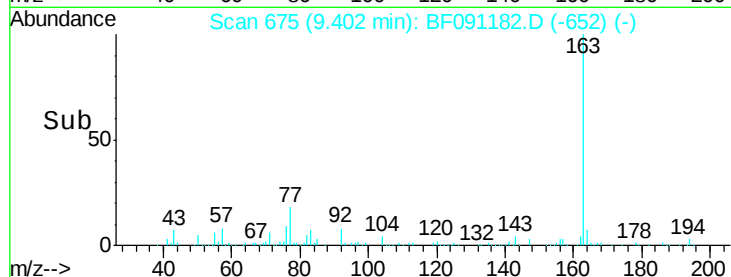
164 11.3 8.7 13.1



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



#51

Acenaphthene

Concen: 4.55 ng

RT: 9.70 min Scan# 701

Delta R.T. -0.03 min

Lab File: BF091182.D

Acq: 15 Nov 2016 16:49

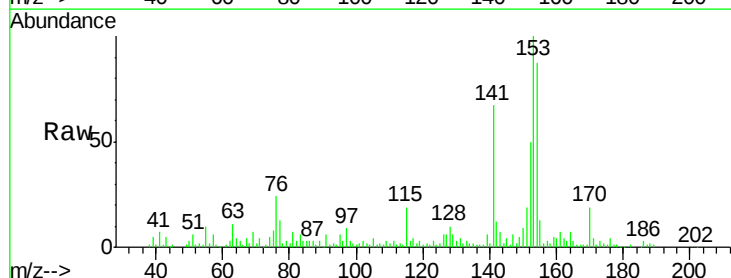
Tgt Ion:154 Resp: 91851

Ion Ratio Lower Upper

154 100

153 115.1 91.6 137.4

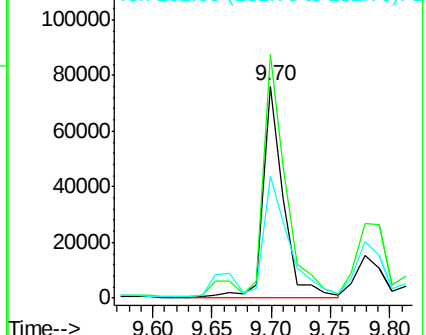
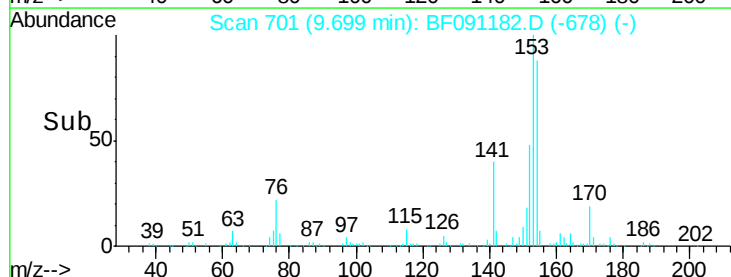
152 57.4 44.6 67.0

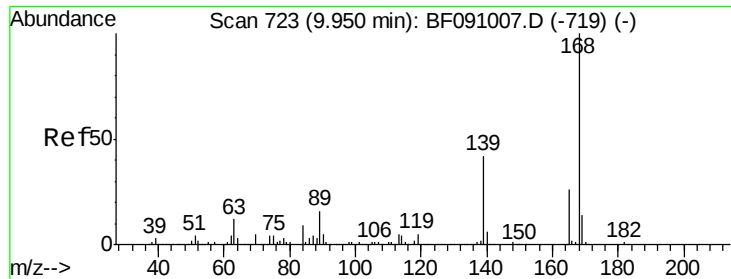


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

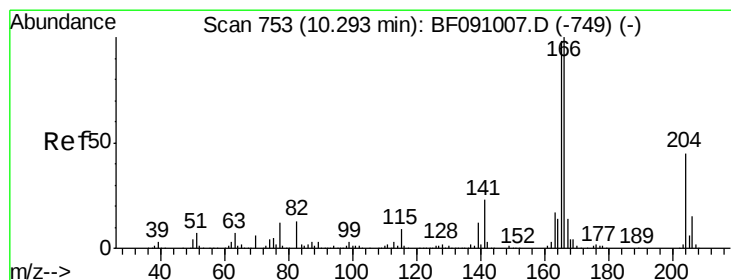
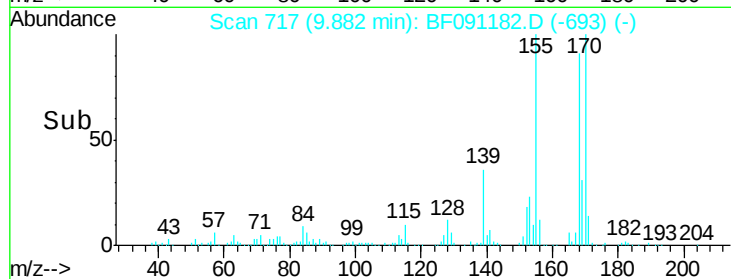
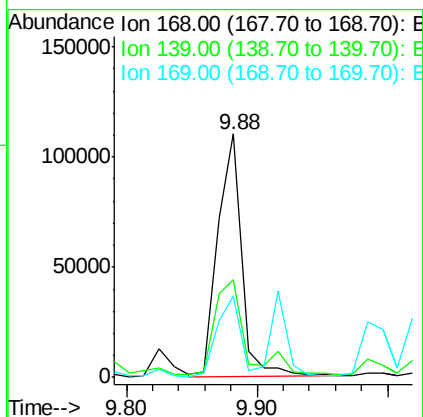
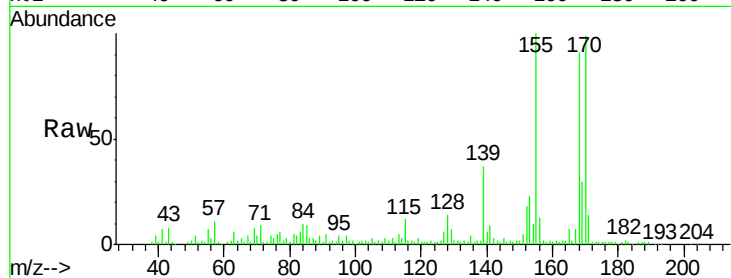




#54
Dibenzofuran
Concen: 5.17 ng
RT: 9.88 min Scan# 717
Delta R.T. -0.02 min
Lab File: BF091182.D
Acq: 15 Nov 2016 16:49

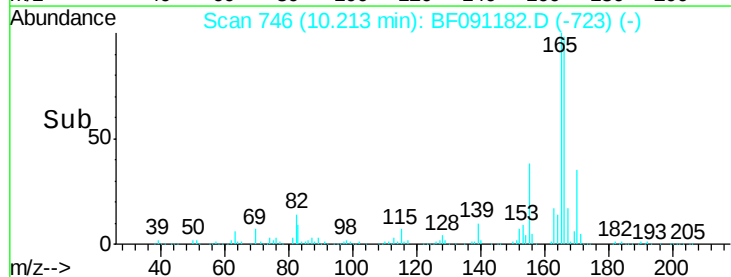
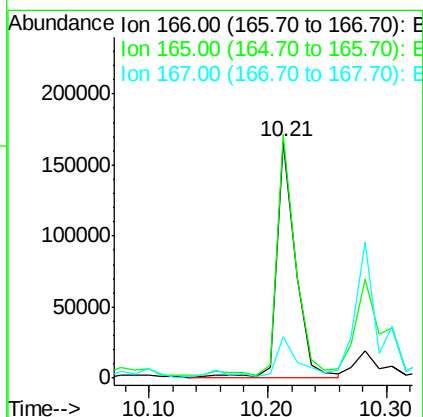
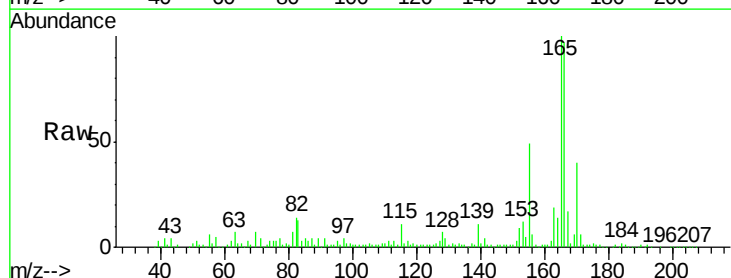
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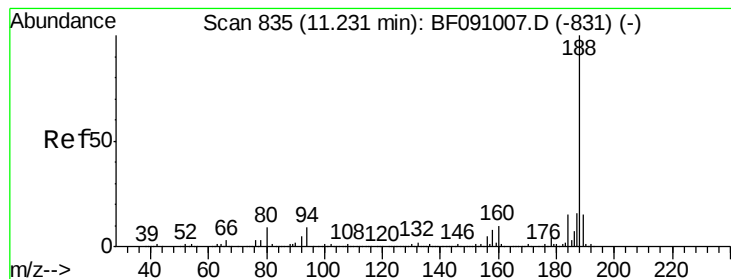
Tot Ion	Ratio	Lower	Upper
168	100		
139	40.2	34.8	52.2
169	33.4	11.4	17.2#



#57
Fluorene
Concen: 8.02 ng
RT: 10.21 min Scan# 746
Delta R.T. -0.03 min
Lab File: BF091182.D
Acq: 15 Nov 2016 16:49

Tgt Ion	Ratio	Lower	Upper
166	100		
165	103.0	78.6	118.0
167	17.4	11.1	16.7#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.15 min Scan# 828

Delta R.T. -0.02 min

Lab File: BF091182.D

Acq: 15 Nov 2016 16:49

Instrument :

BNA_F

ClientSampleId :

CPS02304

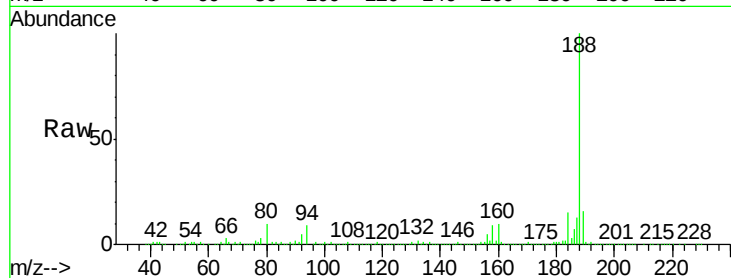
Tot Ion:188 Resp: 662920

Ion Ratio Lower Upper

188 100

94 9.4 7.0 10.4

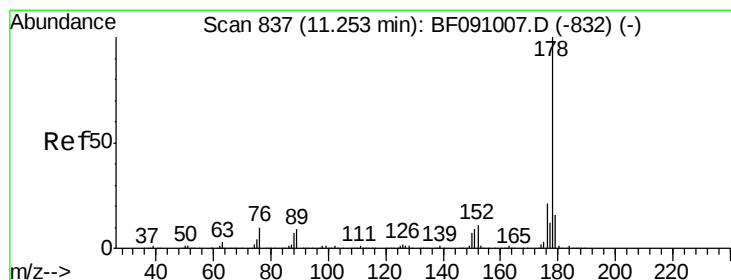
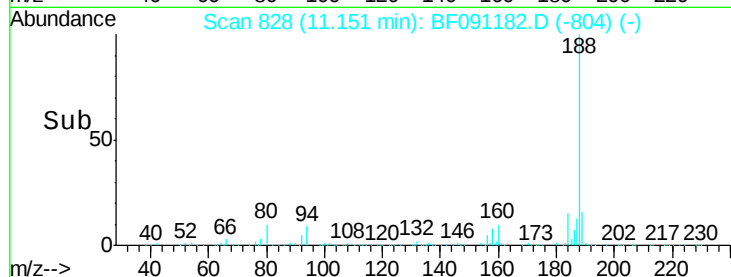
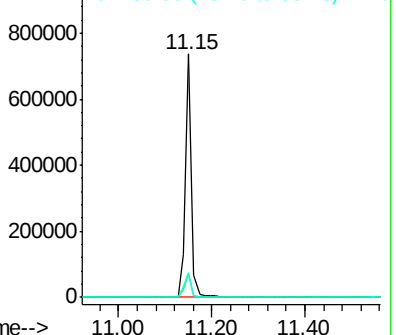
80 10.0 7.5 11.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 7.10 ng

RT: 11.17 min Scan# 830

Delta R.T. -0.03 min

Lab File: BF091182.D

Acq: 15 Nov 2016 16:49

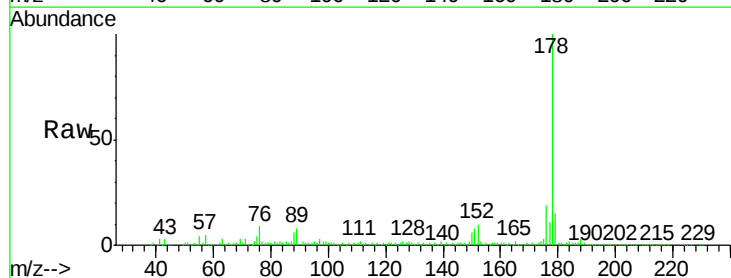
Tgt Ion:178 Resp: 250346

Ion Ratio Lower Upper

178 100

176 19.1 16.6 25.0

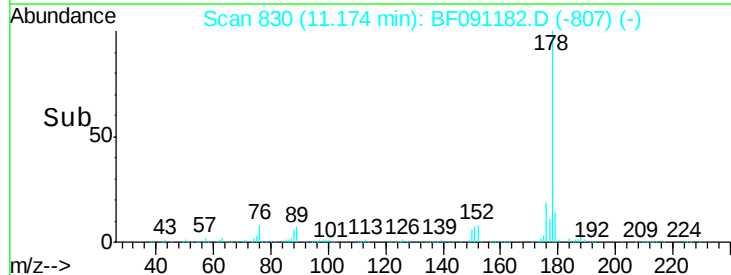
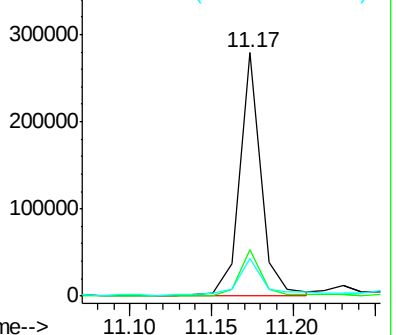
179 15.4 12.9 19.3

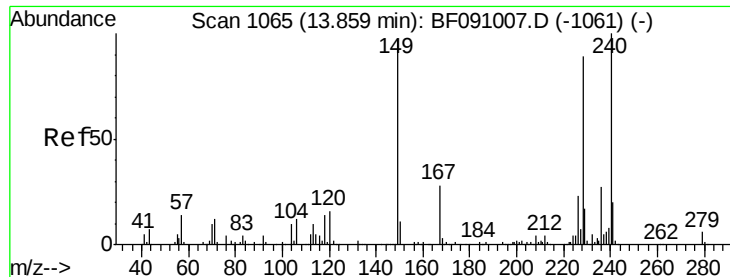


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.78 min Scan# 1058

Delta R.T. -0.03 min

Lab File: BF091182.D

Acq: 15 Nov 2016 16:49

Instrument :

BNA_F

ClientSampleId :

CPS02304

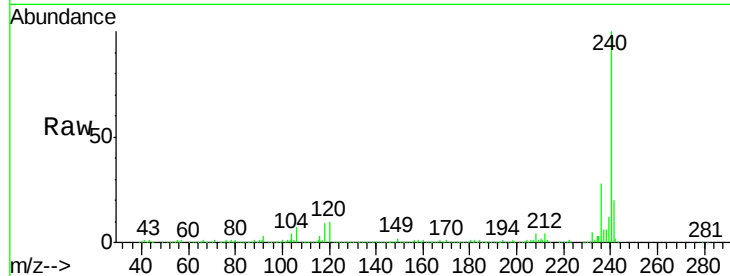
Tot Ion:240 Resp: 591633

Ion Ratio Lower Upper

240 100

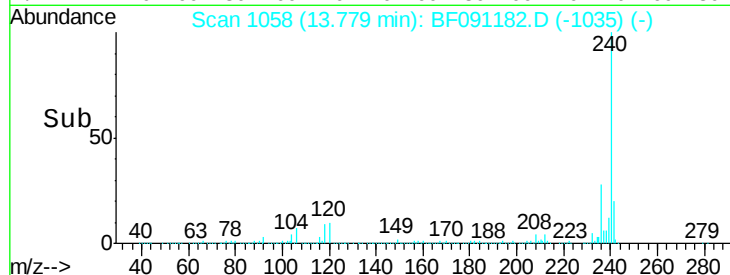
120 10.1 12.9 19.3#

236 27.9 21.9 32.9

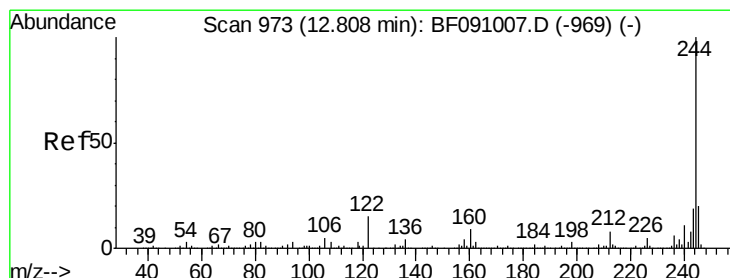


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

13.78



Time-->



#78

Terphenyl-d14

Concen: 90.36 ng

RT: 12.74 min Scan# 967

Delta R.T. -0.02 min

Lab File: BF091182.D

Acq: 15 Nov 2016 16:49

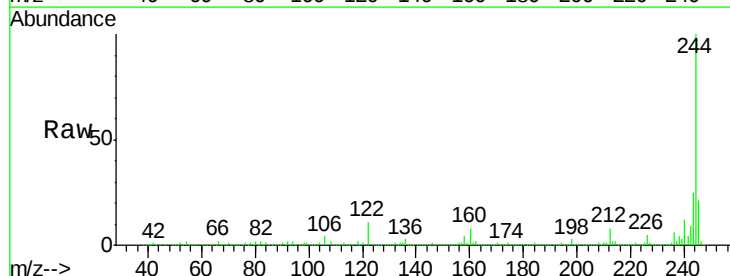
Tgt Ion:244 Resp: 2142408

Ion Ratio Lower Upper

244 100

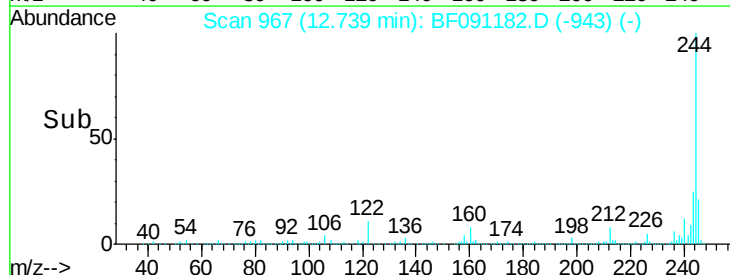
212 7.8 6.4 9.6

122 11.3 12.3 18.5#

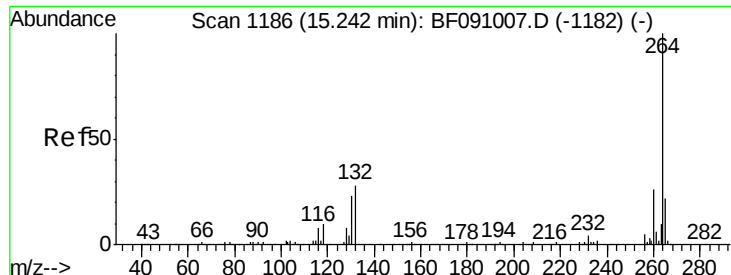


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E

12.74



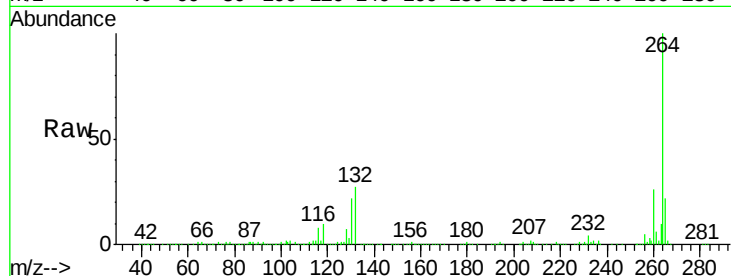
Time-->



#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.14 min Scan# 1177
 Delta R.T. -0.05 min
 Lab File: BF091182.D
 Acq: 15 Nov 2016 16:49

Instrument :
 BNA_F
 ClientSampleId :
 CPS02304

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.6	20.6	30.8
265	22.1	17.8	26.8



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

