

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
 Data File : BF101166.D
 Acq On : 6 Dec 2017 14:37
 Operator : SJ/JU
 Sample : I6642-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PENN-1-E(4-5)

Quant Time: Dec 06 18:03:40 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:07:49 2017
 Response via : Initial Calibration

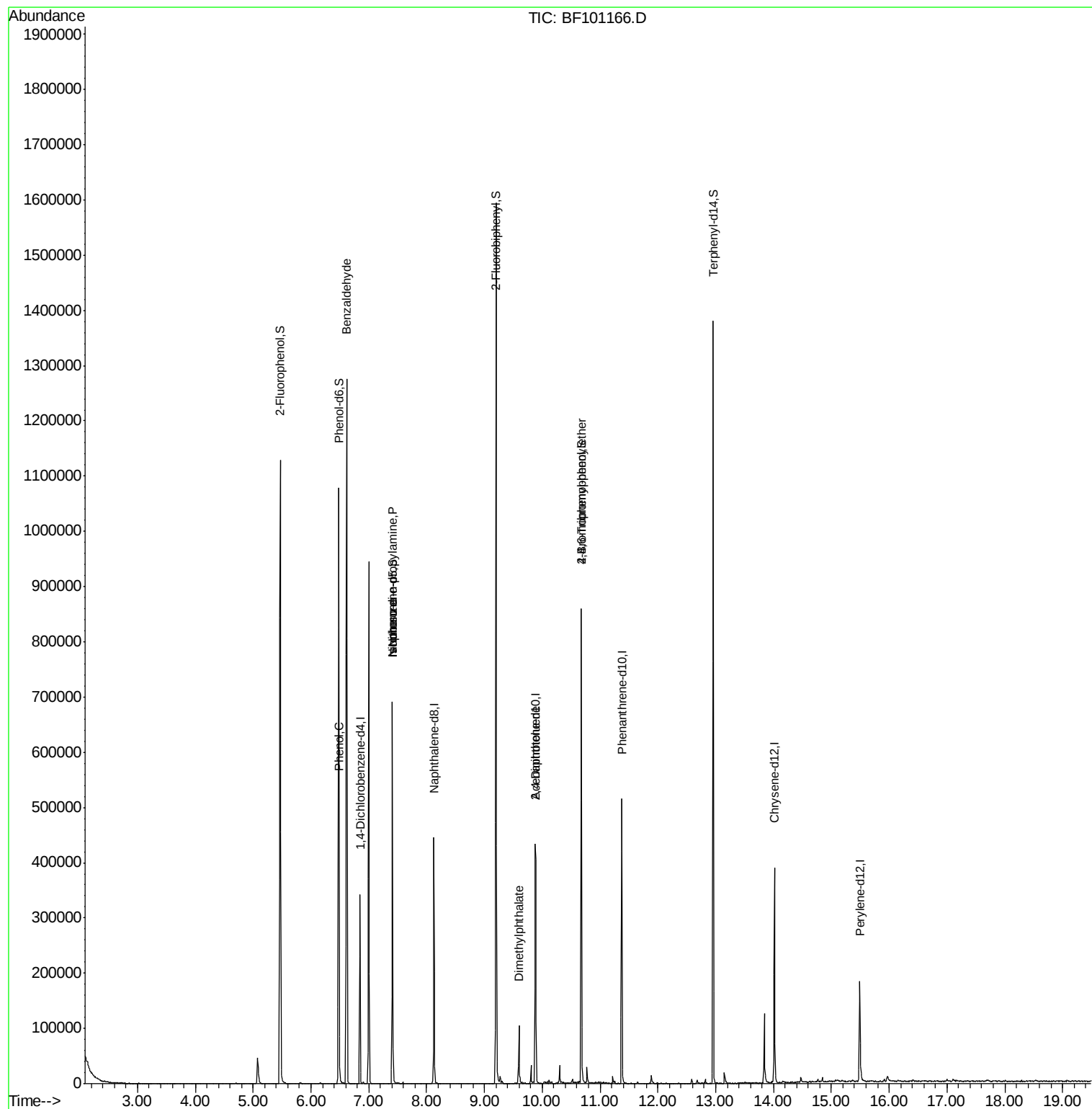
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	48703	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	194570	20.00	ng	0.00
38) Acenaphthene-d10	9.88	164	94329	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	190781	20.00	ng	0.00
75) Chrysene-d12	14.02	240	139044	20.00	ng	0.00
86) Perylene-d12	15.49	264	101553	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	310960	105.51	ng	0.00
7) Phenol-d6	6.48	99	377313	105.44	ng	0.00
23) Nitrobenzene-d5	7.41	82	234420	71.87	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	109333	96.49	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	504135	73.12	ng	0.00
78) Terphenyl-d14	12.96	244	515431	81.08	ng	0.00
Target Compounds						
9) Benzaldehyde	6.62	77	6968	3.182	ng	88
10) Phenol	6.49	94	11792	2.964	ng	89
19) n-Nitroso-di-n-propylamine	7.41	70	30532	12.669	ng	# 85
25) Isophorone	7.41	82	234417	42.076	ng	# 64
49) Dimethylphthalate	9.60	163	52215	6.864	ng	# 98
56) 2,4-Dinitrotoluene	9.88	165	12440	5.793	ng	# 21
66) 4-Bromophenyl-phenylether	10.67	248	6910	3.236	ng	# 1

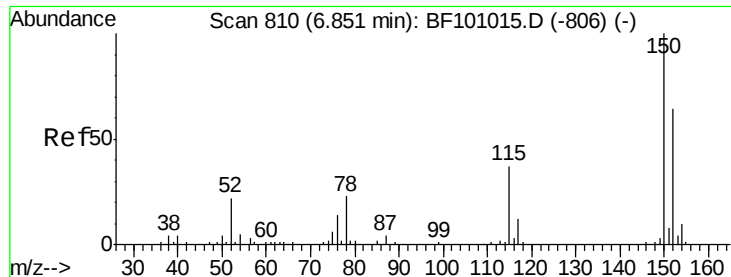
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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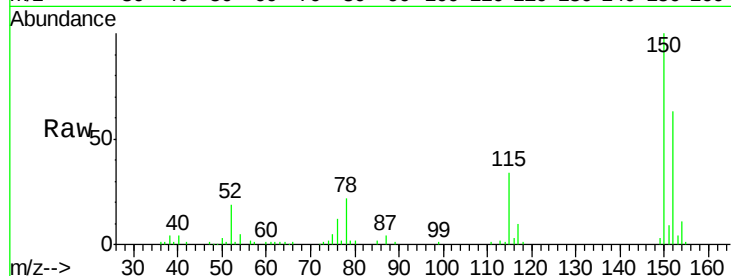


#1

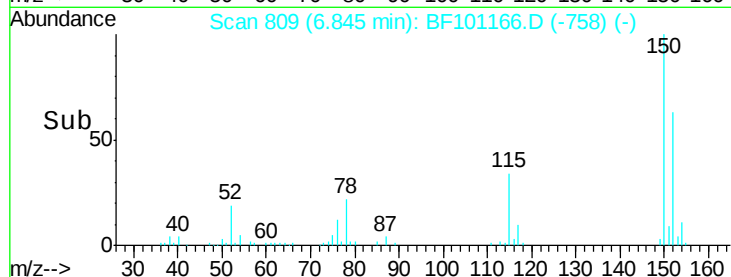
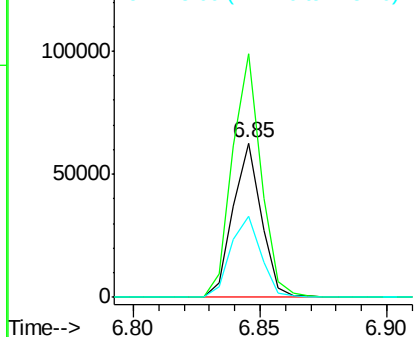
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF101166.D
Acq: 6 Dec 2017 14:37

Instrument :
BNA_F
ClientSampleId :
PENN-1-E(4-5)

Tot Ion:152 Resp: 48703
Ion Ratio Lower Upper
152 100
150 157.7 124.6 186.8
115 52.9 50.1 75.1



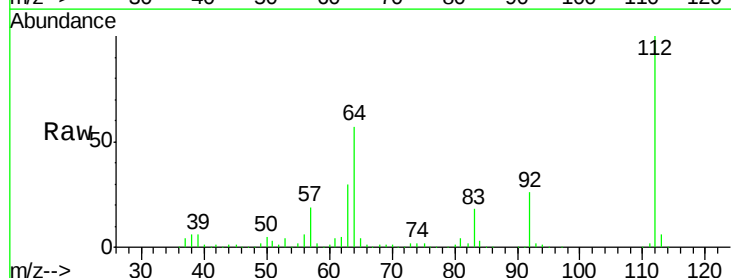
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



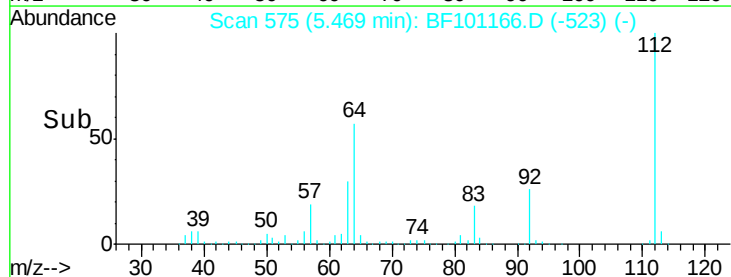
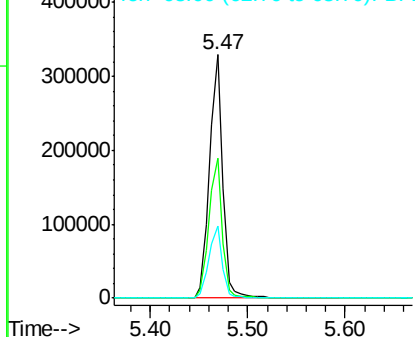
#5

2-Fluorophenol
Concen: 105.506 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF101166.D
Acq: 6 Dec 2017 14:37

Tgt Ion:112 Resp: 310960
Ion Ratio Lower Upper
112 100
64 57.3 47.9 71.9
63 29.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 105.443 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF101166.D

Acq: 6 Dec 2017 14:37

Instrument :

BNA_F

ClientSampleId :

PENN-1-E(4-5)

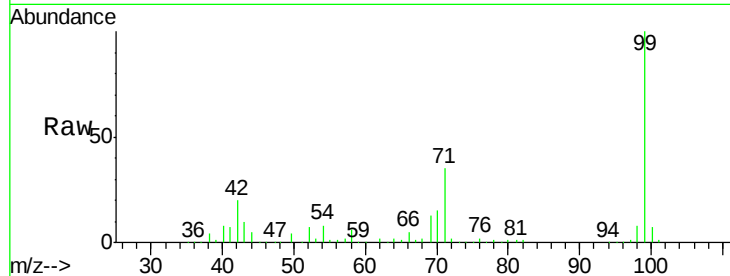
Tot Ion: 99 Resp: 377313

Ion Ratio Lower Upper

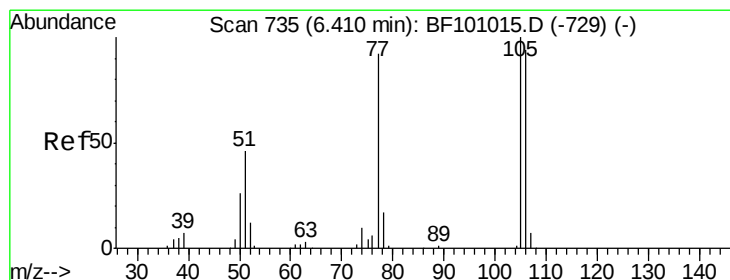
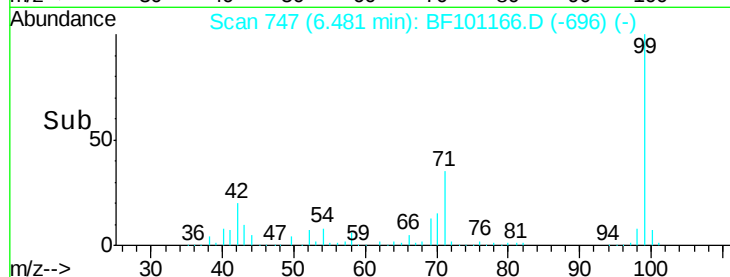
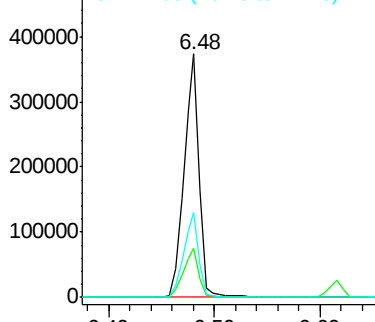
99 100

42 20.1 14.5 21.7

71 35.1 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 3.182 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.21 min

Lab File: BF101166.D

Acq: 6 Dec 2017 14:37

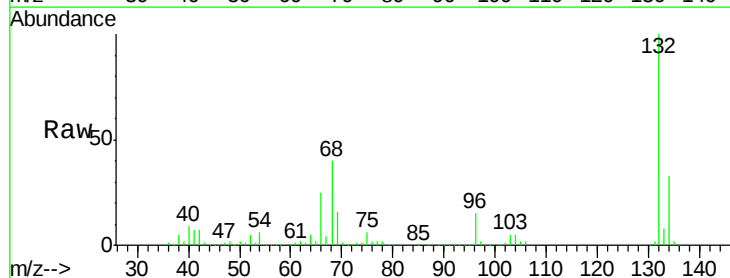
Tgt Ion: 77 Resp: 6968

Ion Ratio Lower Upper

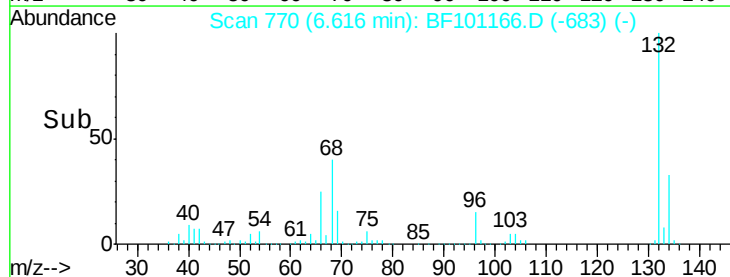
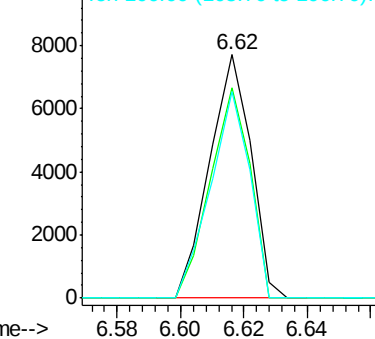
77 100

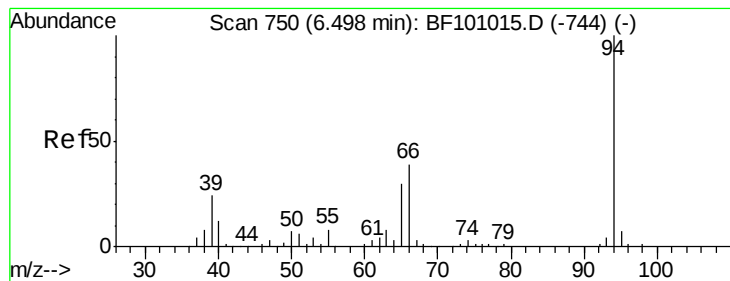
105 86.4 81.1 121.1

106 84.7 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 2.964 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF101166.D

Acq: 6 Dec 2017 14:37

Instrument :

BNA_F

ClientSampleId :

PENN-1-E(4-5)

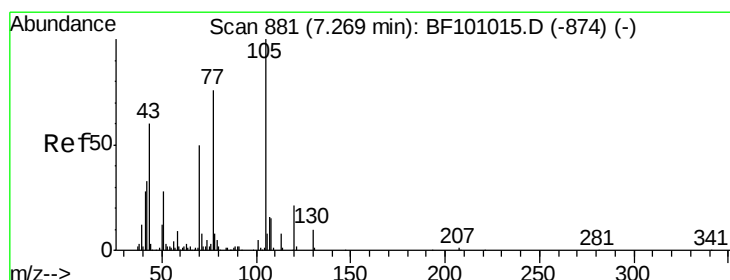
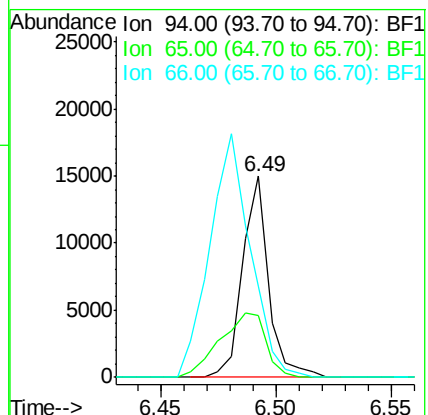
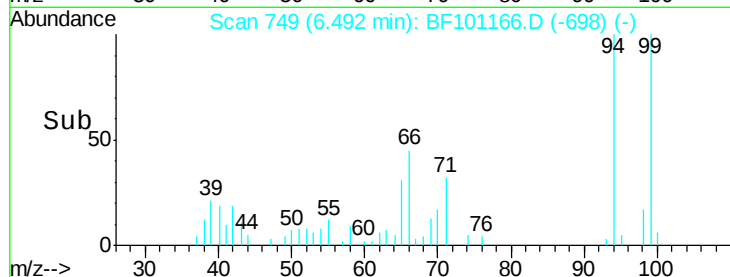
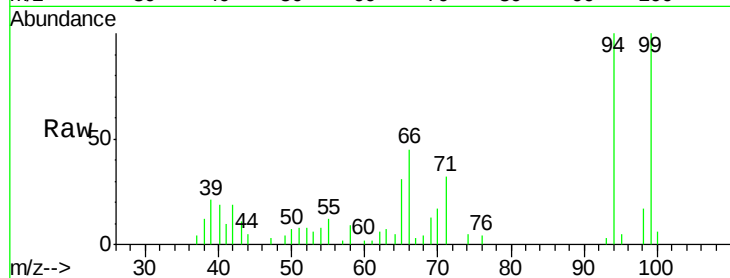
Tot Ion: 94 Resp: 11792

Ion Ratio Lower Upper

94 100

65 30.8 7.9 47.9

66 45.1 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 12.669 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.15 min

Lab File: BF101166.D

Acq: 6 Dec 2017 14:37

Tgt Ion: 70 Resp: 30532

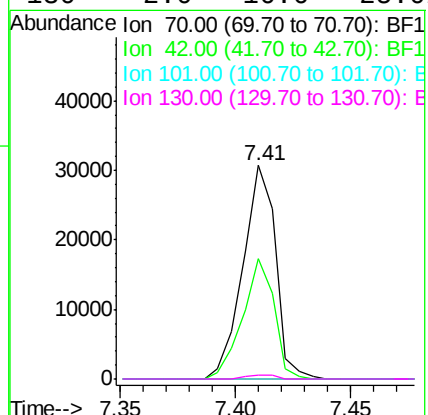
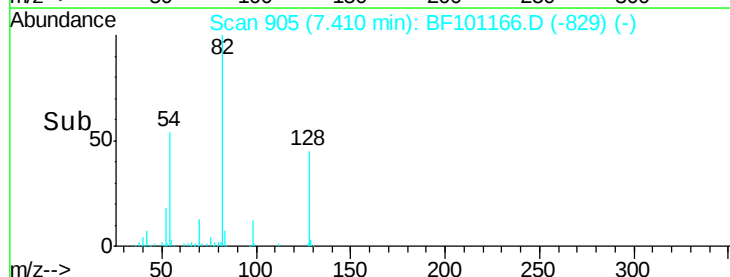
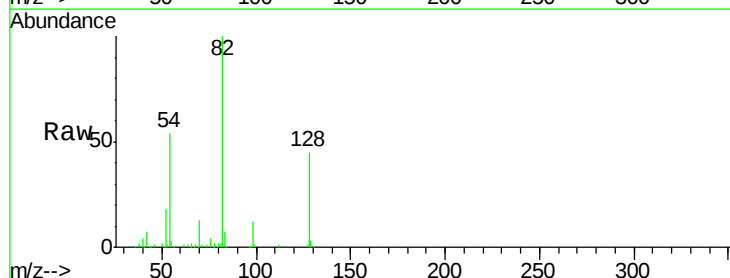
Ion Ratio Lower Upper

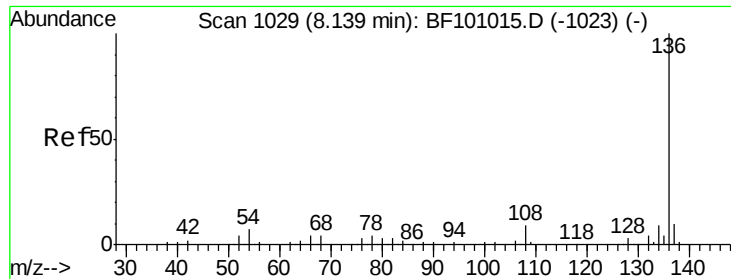
70 100

42 56.1 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

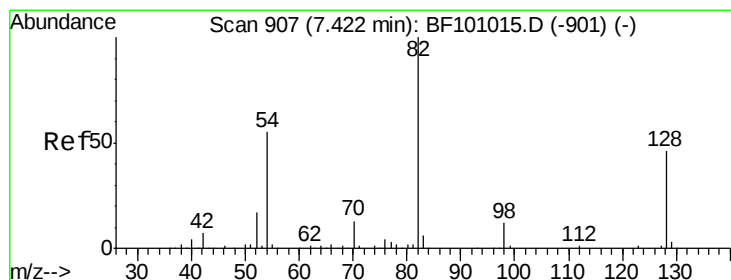
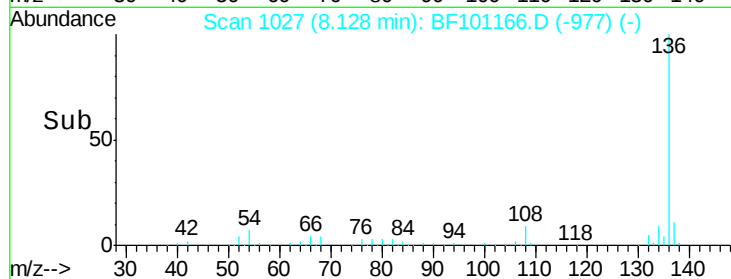
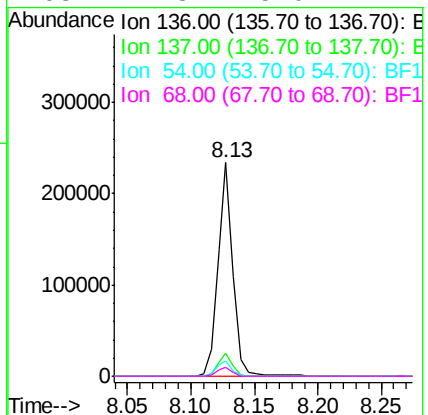
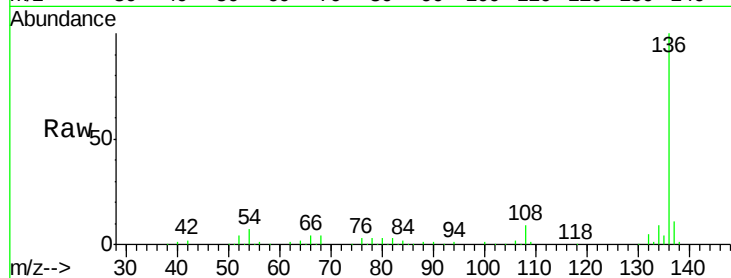




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF101166.D
Acq: 6 Dec 2017 14:37

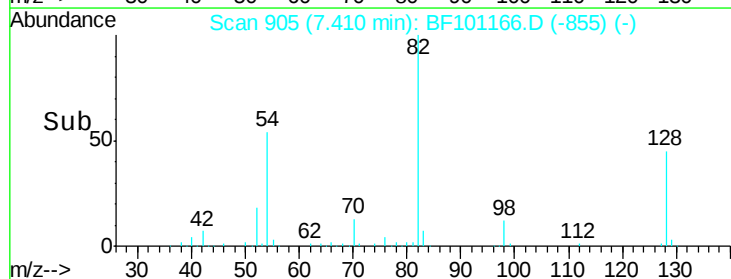
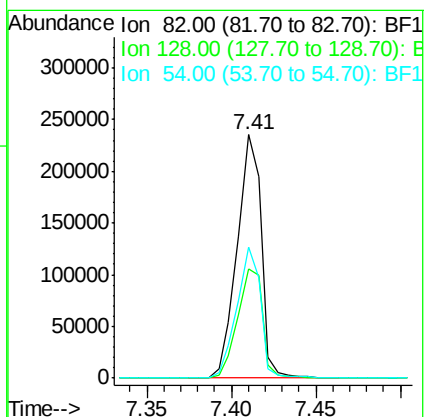
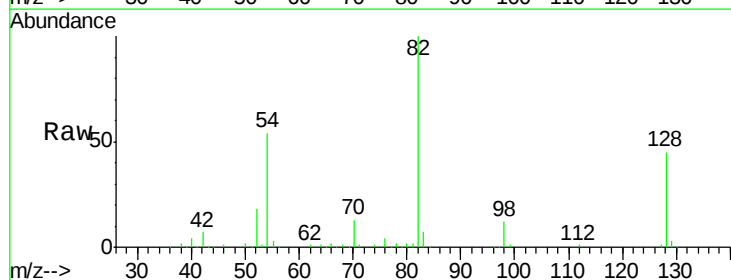
Instrument :
BNA_F
ClientSampleId :
PENN-1-E(4-5)

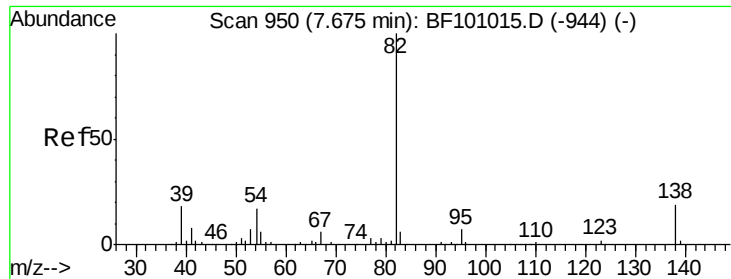
Tot Ion:136	Resp:	194570
Ion Ratio	Lower	Upper
136	100	
137	10.6	8.9 13.3
54	7.5	6.6 9.8
68	4.3	5.0 7.4#



#23
Nitrobenzene-d5
Concen: 71.871 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF101166.D
Acq: 6 Dec 2017 14:37

Tgt Ion: 82	Resp:	234420
Ion Ratio	Lower	Upper
82	100	
128	44.8	36.1 54.1
54	53.8	41.4 62.2





#25

Isophorone

Concen: 42.076 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF101166.D

Acq: 6 Dec 2017 14:37

Instrument :

BNA_F

ClientSampleId :

PENN-1-E(4-5)

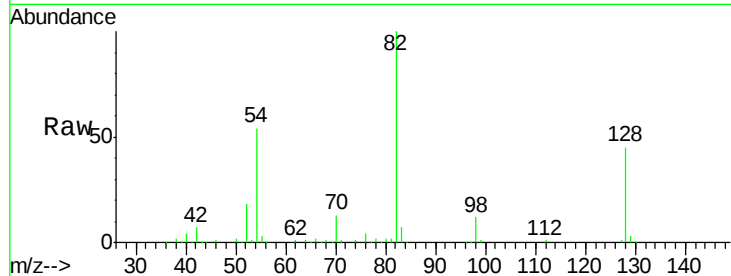
Tot Ion: 82 Resp: 234417

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

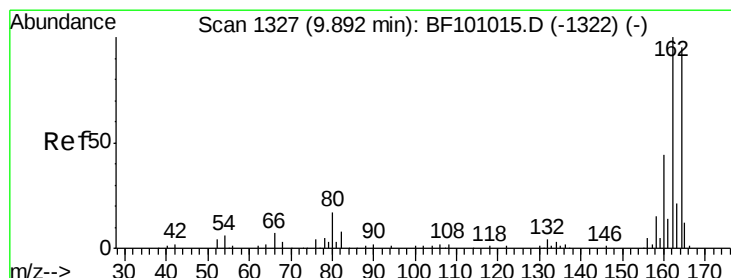
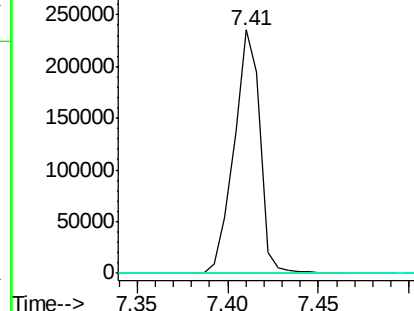
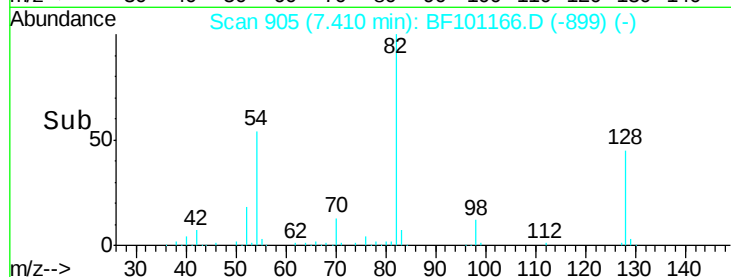
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF101166.D

Acq: 6 Dec 2017 14:37

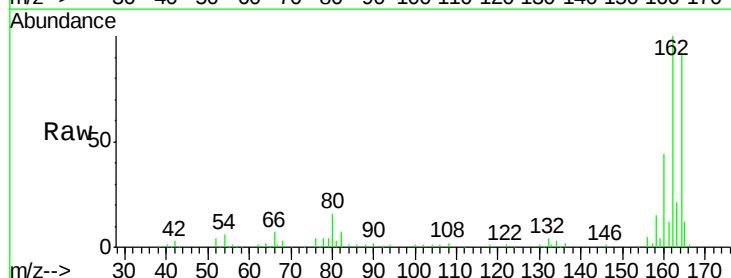
Tgt Ion: 164 Resp: 94329

Ion Ratio Lower Upper

164 100

162 108.4 86.1 129.1

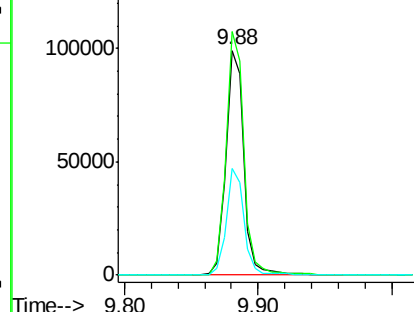
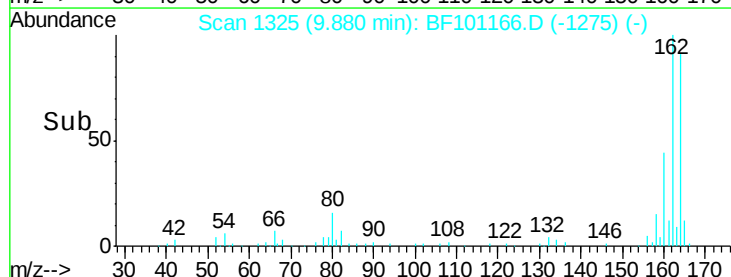
160 47.2 38.3 57.5

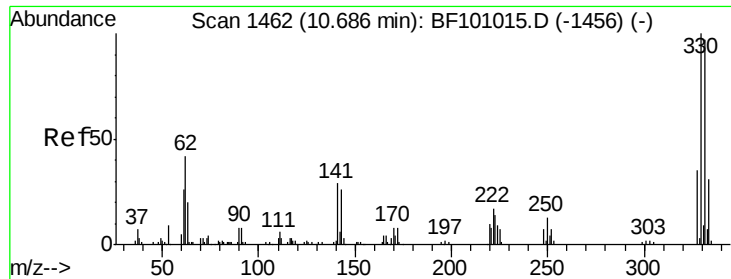


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 96.485 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.01 min

Lab File: BF101166.D

Acq: 6 Dec 2017 14:37

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PENN-1-E(4-5)

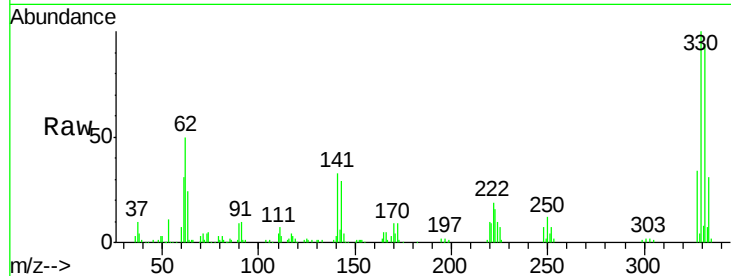
Tot Ion:330 Resp: 109333

Ion Ratio Lower Upper

330 100

332 95.7 77.0 115.6

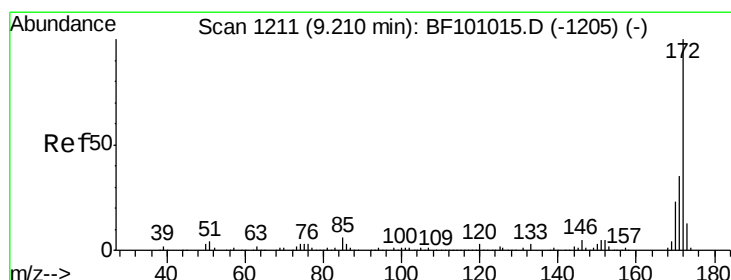
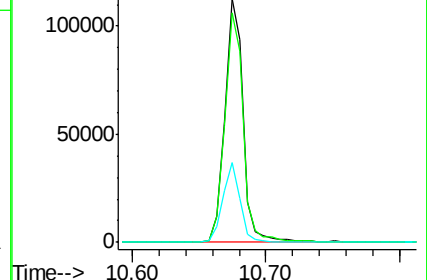
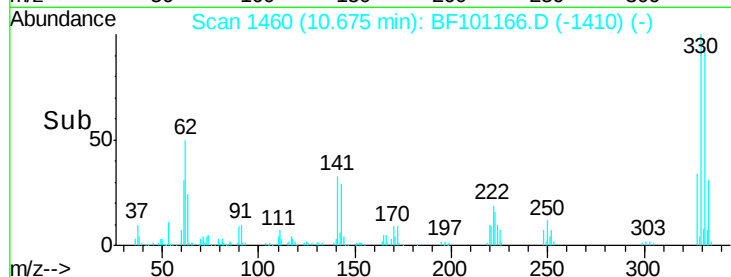
141 30.8 29.9 44.9



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: 73.122 ng

RT: 9.20 min Scan# 1210

Delta R.T. -0.01 min

Lab File: BF101166.D

Acq: 6 Dec 2017 14:37

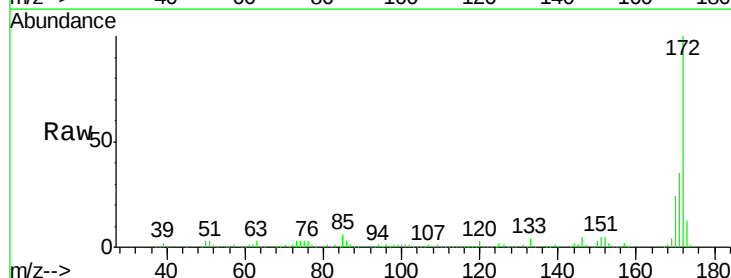
Tgt Ion:172 Resp: 504135

Ion Ratio Lower Upper

172 100

171 35.3 29.7 44.5

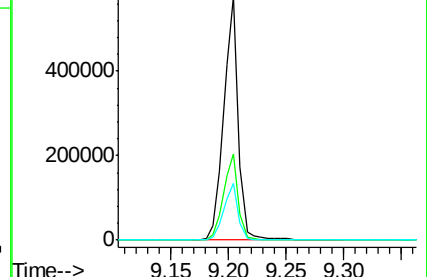
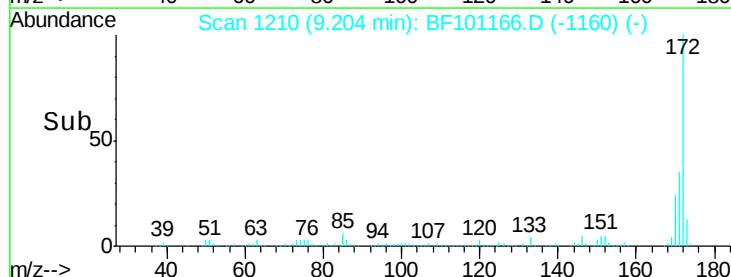
170 23.5 19.6 29.4

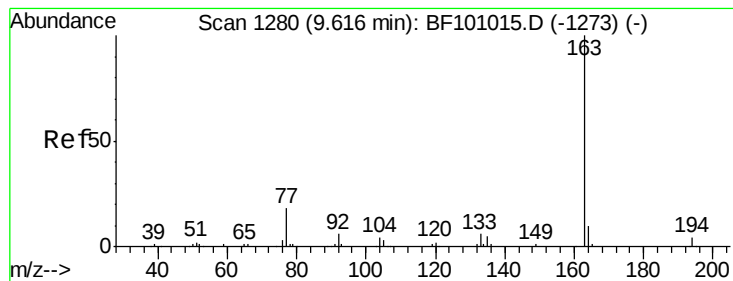


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 6.864 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF101166.D

Acq: 6 Dec 2017 14:37

Instrument :

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ClientSampleId :

PENN-1-E(4-5)

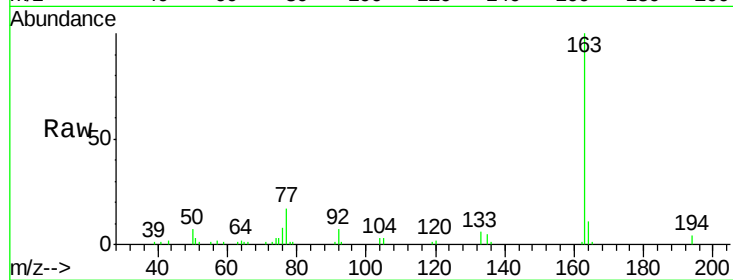
Tot Ion:163 Resp: 52215

Ion Ratio Lower Upper

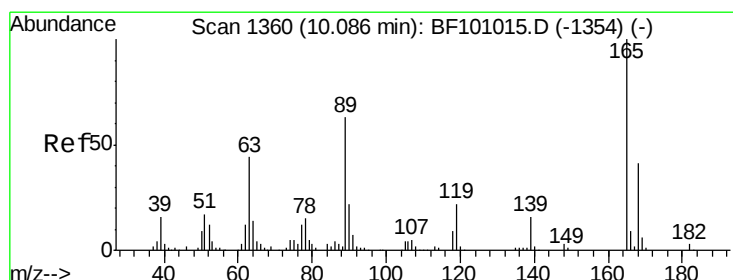
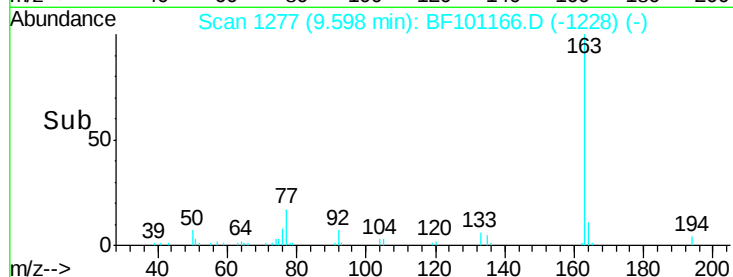
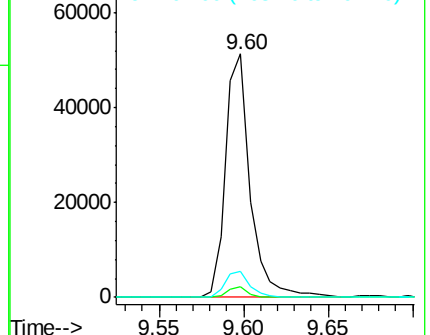
163 100

194 4.3 2.7 4.1#

164 10.6 8.2 12.2



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: 5.793 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.20 min

Lab File: BF101166.D

Acq: 6 Dec 2017 14:37

Tgt Ion:165 Resp: 12440

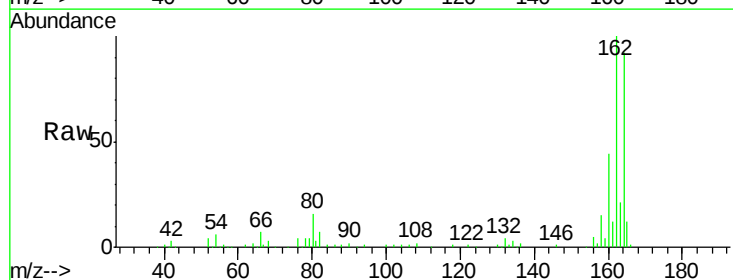
Ion Ratio Lower Upper

165 100

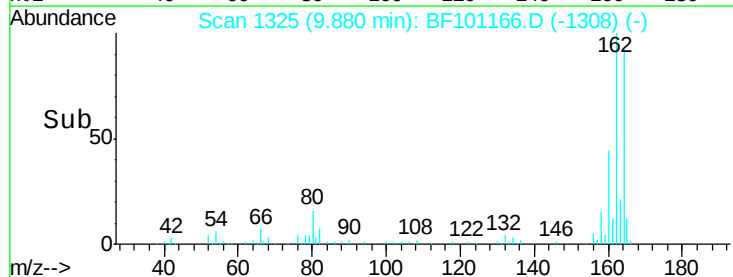
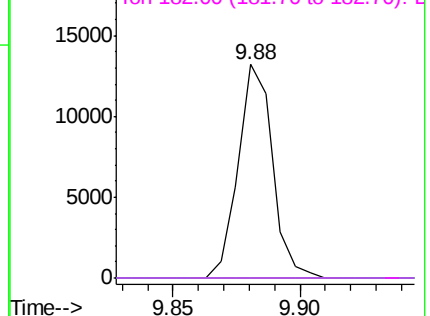
63 0.0 36.4 54.6#

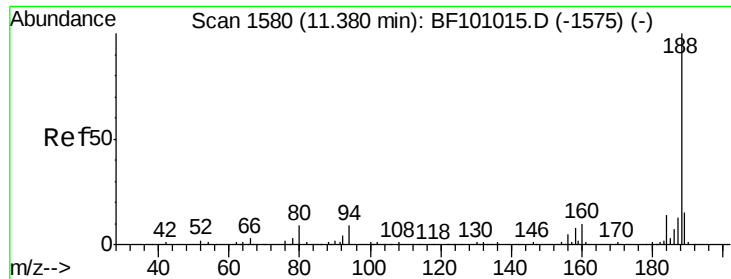
89 0.0 57.8 86.6#

182 0.0 1.6 2.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

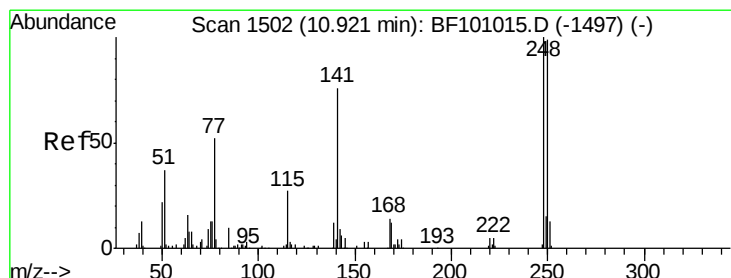
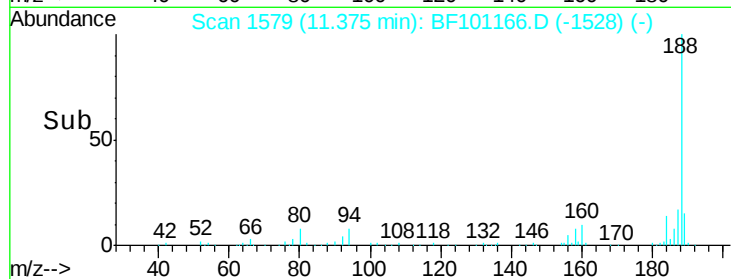
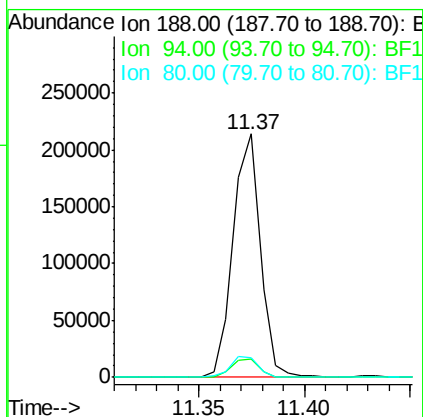
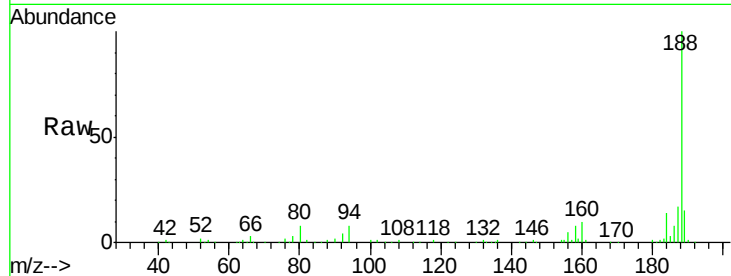




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: BF101166.D
 Acq: 6 Dec 2017 14:37

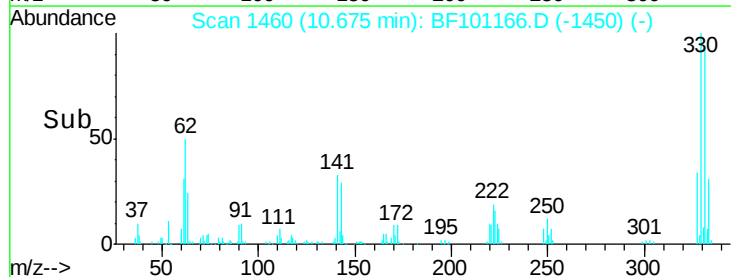
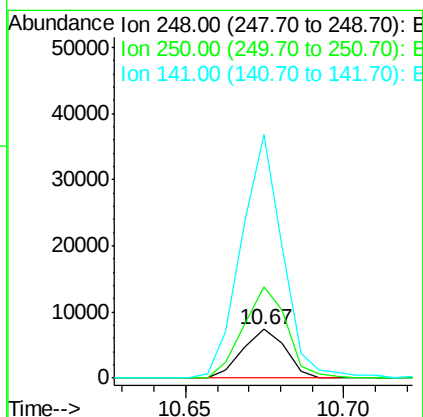
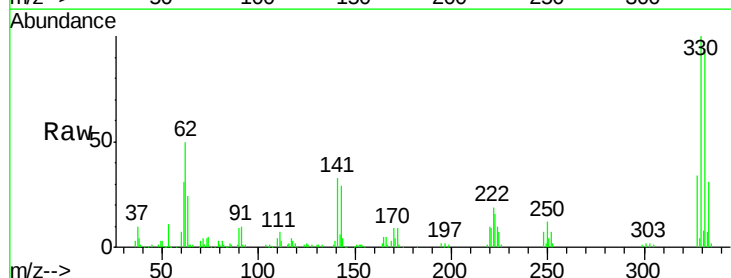
Instrument :
 BNA_F
 ClientSampleId :
 PENN-1-E(4-5)

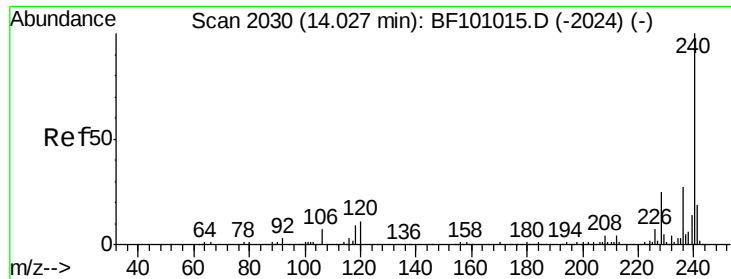
Tot Ion:188 Resp: 190781
 Ion Ratio Lower Upper
 188 100
 94 7.5 8.5 12.7#
 80 8.0 9.2 13.8#



#66
 4-Bromophenyl-phenylether
 Concen: 3.236 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.24 min
 Lab File: BF101166.D
 Acq: 6 Dec 2017 14:37

Tgt Ion:248 Resp: 6910
 Ion Ratio Lower Upper
 248 100
 250 188.2 76.9 115.3#
 141 502.6 74.4 111.6#

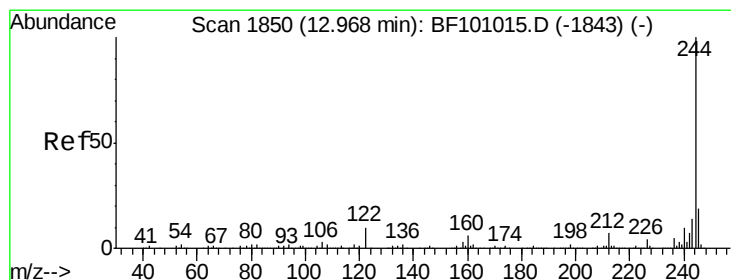
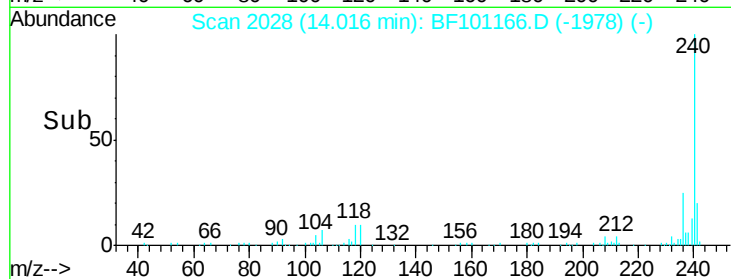
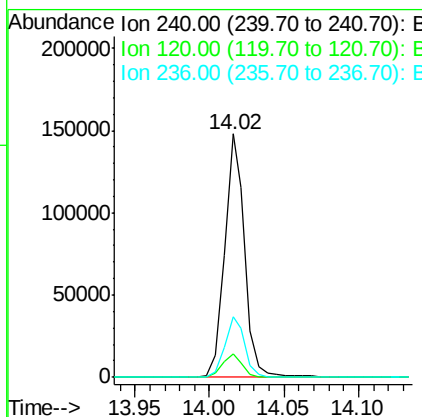
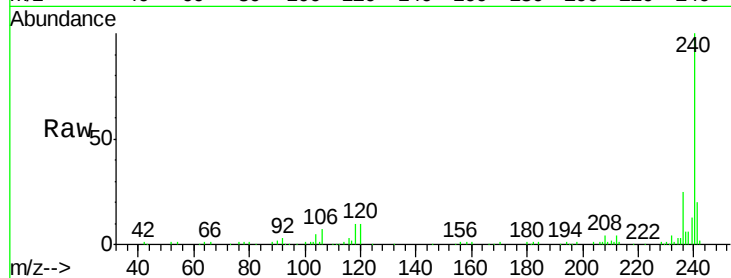




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF101166.D
Acq: 6 Dec 2017 14:37

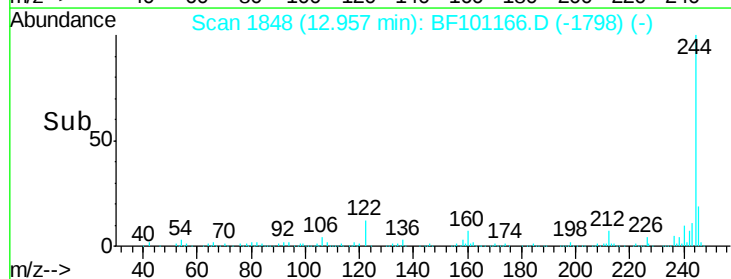
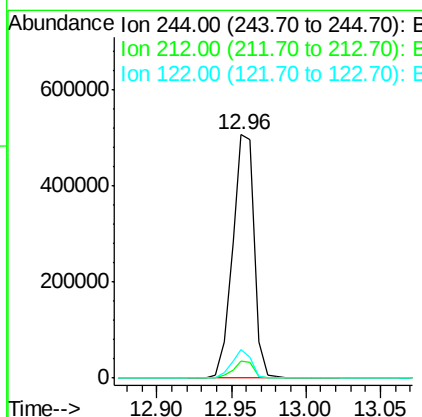
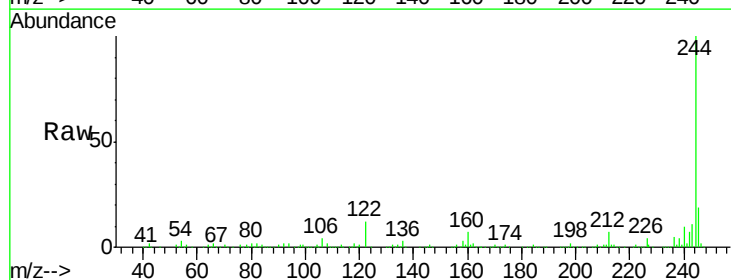
Instrument :
BNA_F
ClientSampleId :
PENN-1-E(4-5)

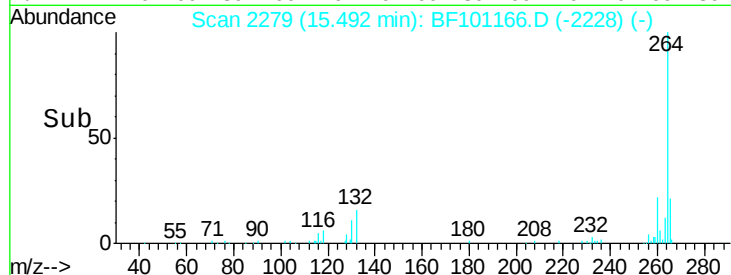
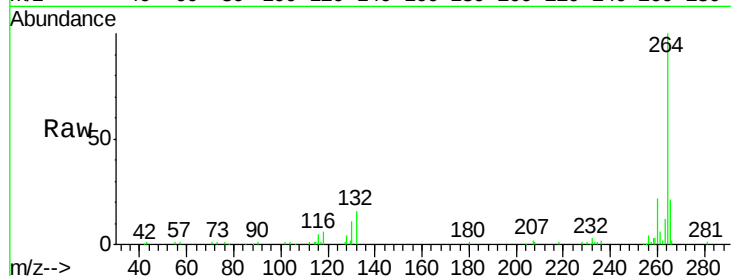
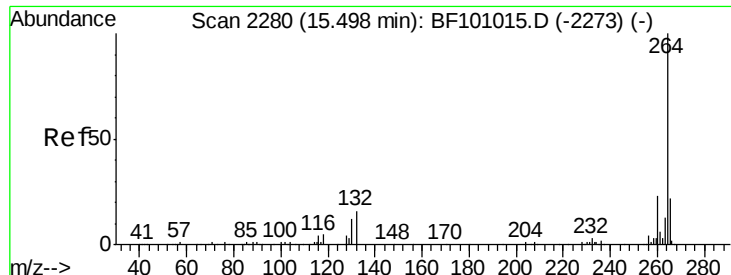
Tot Ion:240 Resp: 139044
Ion Ratio Lower Upper
240 100
120 9.8 9.5 14.3
236 25.1 20.7 31.1



#78
Terphenyl-d14
Concen: 81.081 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF101166.D
Acq: 6 Dec 2017 14:37

Tgt Ion:244 Resp: 515431
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.0
122 11.8 11.0 16.4





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: BF101166.D
 Acq: 6 Dec 2017 14:37

Instrument :
 BNA_F
 ClientSampleId :
 PENN-1-E(4-5)

Tot Ion:264	Resp:	101553
Ion Ratio	Lower	Upper
264	100	
260	22.4	19.2 28.8
265	21.2	17.5 26.3

