

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012117\
 Data File : BF092412.D
 Acq On : 21 Jan 2017 14:54
 Operator : UM/SJ
 Sample : I1267-09
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-14

Quant Time: Jan 23 00:41:46 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

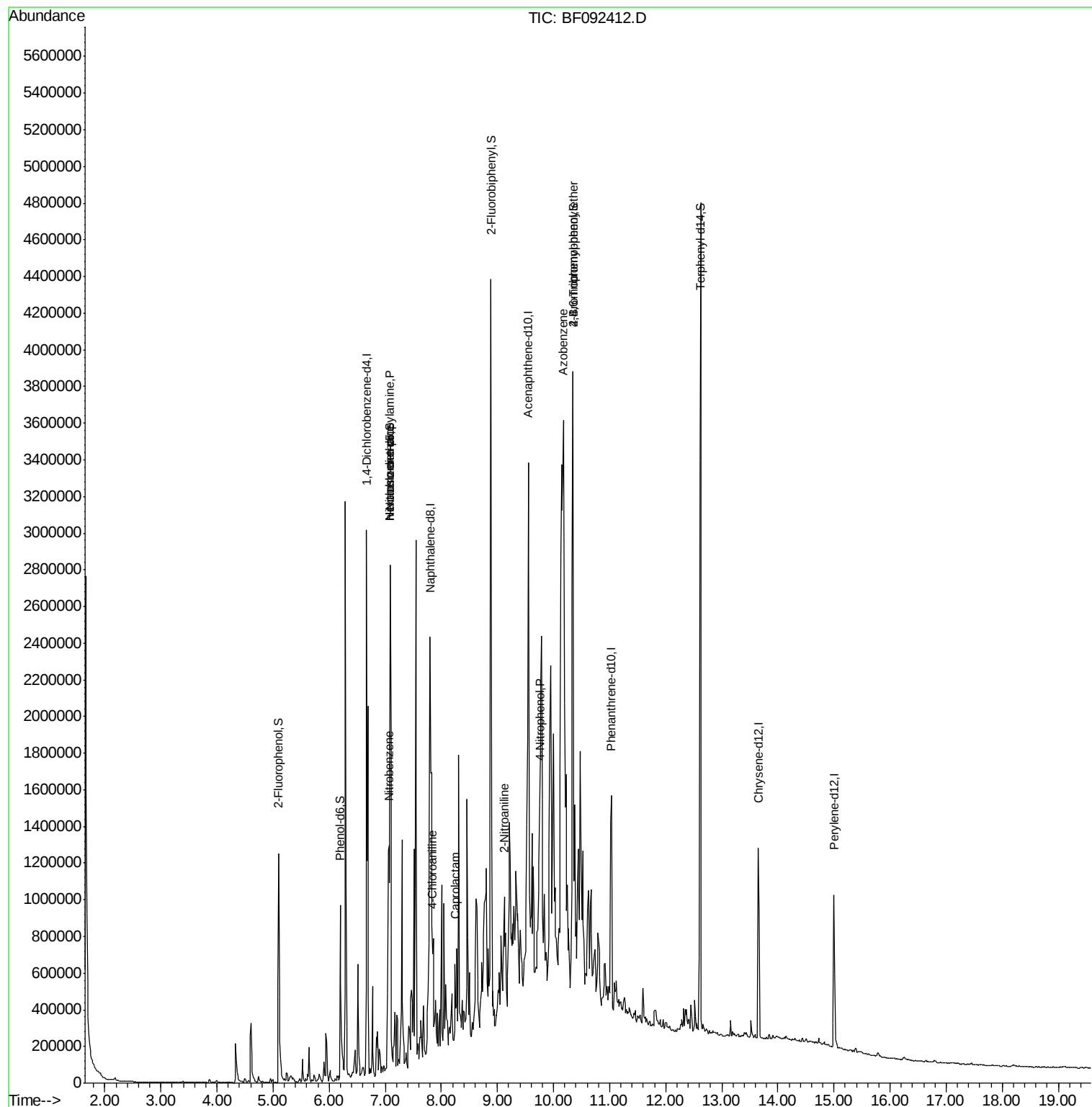
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	464365	20.00	ng	0.02
21) Naphthalene-d8	7.80	136	435068	20.00	ng	-0.14
38) Acenaphthene-d10	9.55	164	325500	20.00	ng	-0.14
63) Phenanthrene-d10	11.03	188	611271	20.00	ng	-0.12
75) Chrysene-d12	13.65	240	468491	20.00	ng	-0.14
86) Perylene-d12	15.00	264	369407	20.00	ng	-0.15
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	548091	19.71	ng	-0.14
7) Phenol-d6	6.20	99	496111	14.61	ng	-0.11
23) Nitrobenzene-d5	7.09	82	878853	112.33	ng	-0.12
41) 2,4,6-Tribromophenol	10.35	330	400602	148.71	ng	-0.12
44) 2-Fluorobiphenyl	8.88	172	1406288	89.15	ng	-0.12
78) Terphenyl-d14	12.62	244	1875935	97.11	ng	-0.12
Target Compounds						
9) Benzaldehyde	6.08	77	2039	Below Cal		Qvalue 90
18) Hexachloroethane	7.09	117	570721	44.78 ng	#	4
19) n-Nitroso-di-n-propylamine	7.09	70	126814	5.61 ng	#	80
24) Nitrobenzene	7.07	77	93378	11.21 ng	#	22
33) 4-Chloroaniline	7.84	127	20851	2.32 ng	#	42
35) Caprolactam	8.24	113	6904	3.64 ng	#	1
47) 2-Nitroaniline	9.12	65	20650	3.29 ng	#	29
55) 4-Nitrophenol	9.75	139	12310	3.22 ng		94
62) Azobenzene	10.17	77	399702	17.96 ng	#	31
66) 4-Bromophenyl-phenylether	10.35	248	25534	4.02 ng	#	1
71) Anthracene	11.10	178	617	Below Cal	#	1
73) Di-n-butylphthalate	11.61	149	7013	Below Cal	#	54
74) Fluoranthene	12.23	202	1260	Below Cal	#	1
76) Benzdine	12.52	184	664	Below Cal	#	1

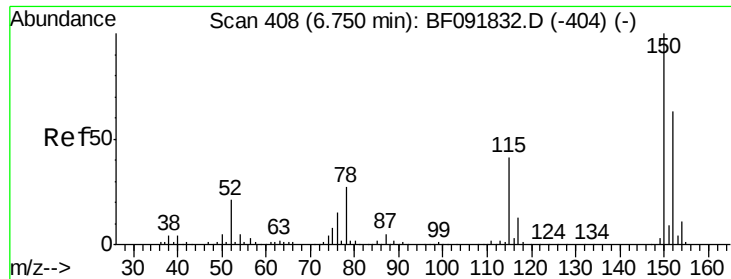
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.67 min Scan# 440

Delta R.T. 0.02 min

Lab File: BF092412.D

Acq: 21 Jan 2017 14:54

Instrument :

BNA_F

ClientSampleId :

MW-14

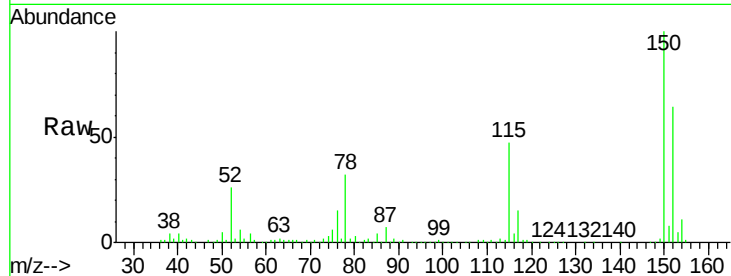
Tgt Ion:152 Resp: 464365

Ion Ratio Lower Upper

152 100

150 155.5 124.9 187.3

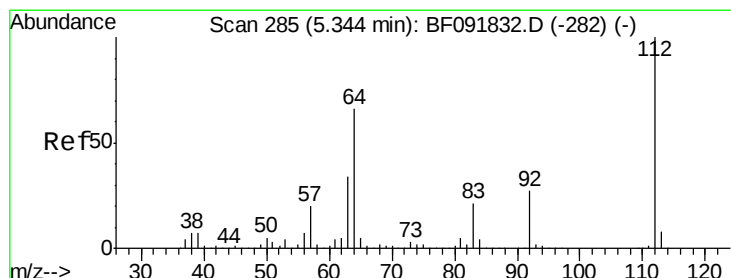
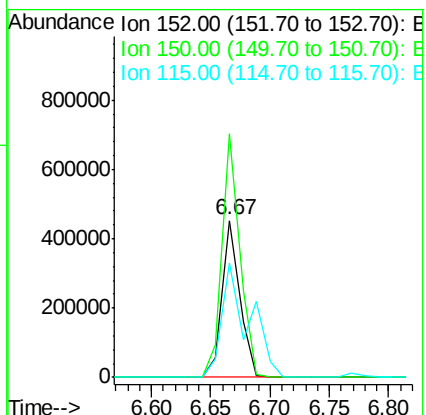
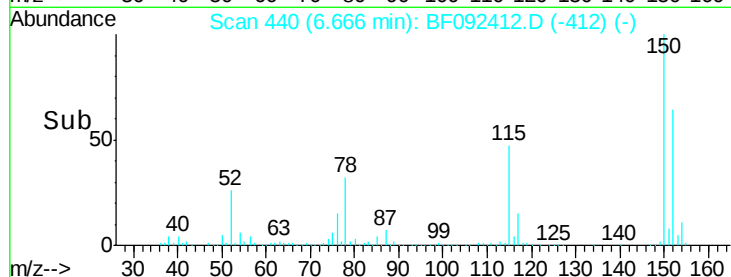
115 73.1 46.0 69.0#



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: 19.71 ng

RT: 5.10 min Scan# 303

Delta R.T. -0.14 min

Lab File: BF092412.D

Acq: 21 Jan 2017 14:54

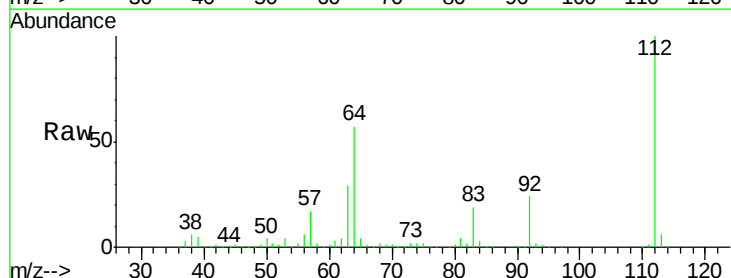
Tgt Ion:112 Resp: 548091

Ion Ratio Lower Upper

112 100

64 56.7 46.1 69.1

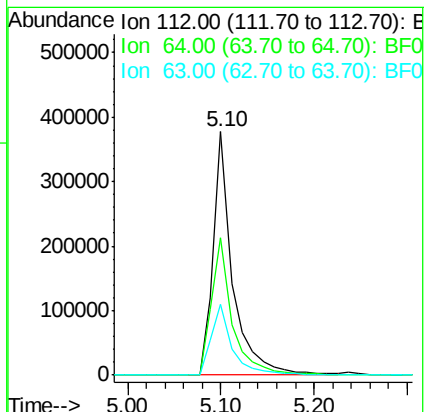
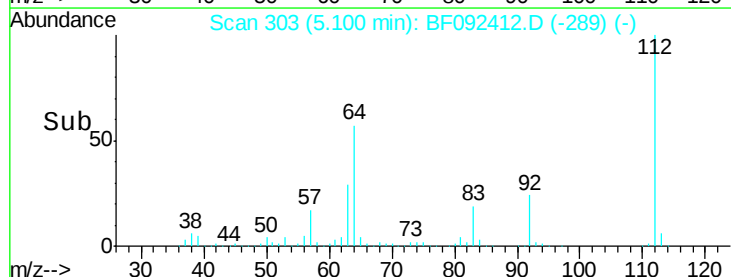
63 29.0 23.8 35.6

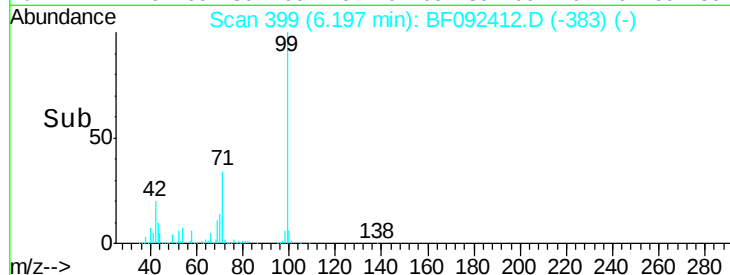
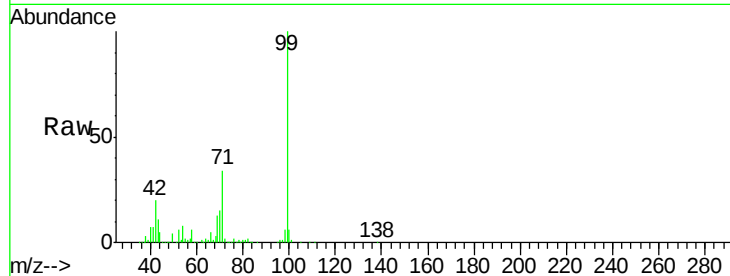


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 14.61 ng

RT: 6.20 min Scan# 399

Delta R.T. -0.11 min

Lab File: BF092412.D

Acq: 21 Jan 2017 14:54

Instrument :

BNA_F

ClientSampleId :

MW-14

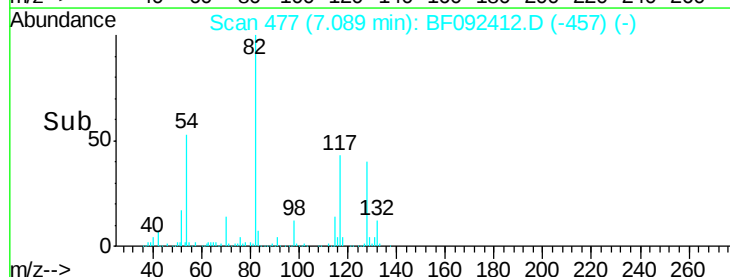
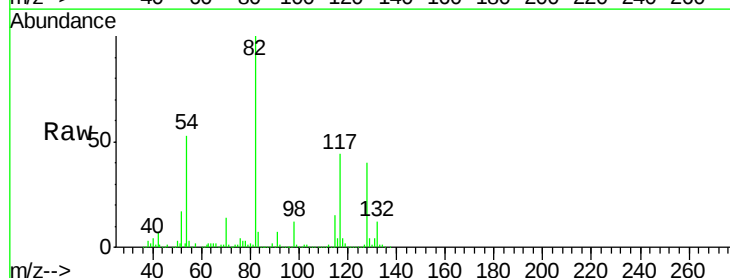
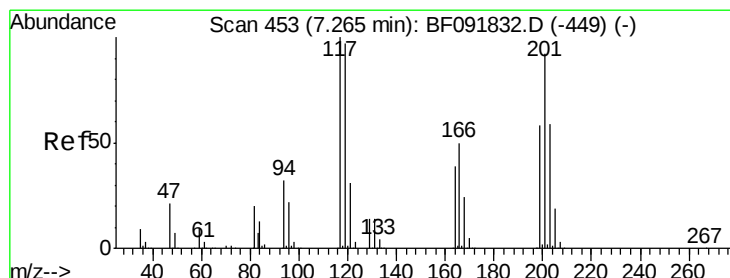
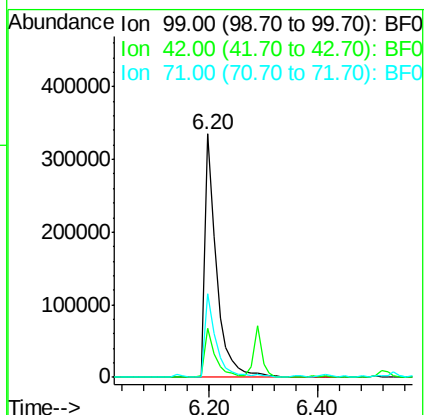
Tgt Ion: 99 Resp: 496111

Ion Ratio Lower Upper

99 100

42 20.2 15.6 23.4

71 34.5 27.5 41.3



#18

Hexachloroethane

Concen: 44.78 ng

RT: 7.09 min Scan# 477

Delta R.T. -0.07 min

Lab File: BF092412.D

Acq: 21 Jan 2017 14:54

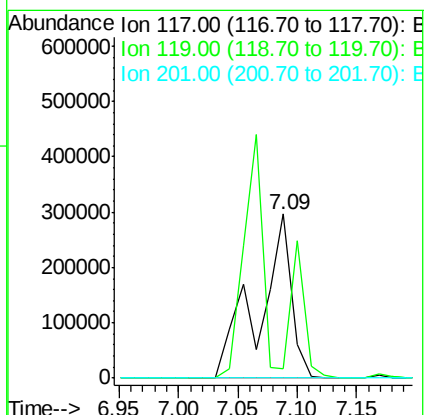
Tgt Ion: 117 Resp: 570721

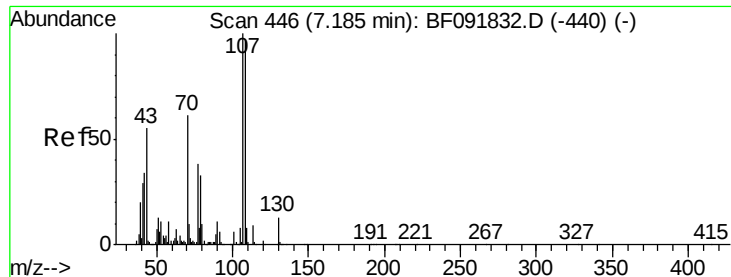
Ion Ratio Lower Upper

117 100

119 5.6 78.1 117.1#

201 0.0 78.6 117.8#

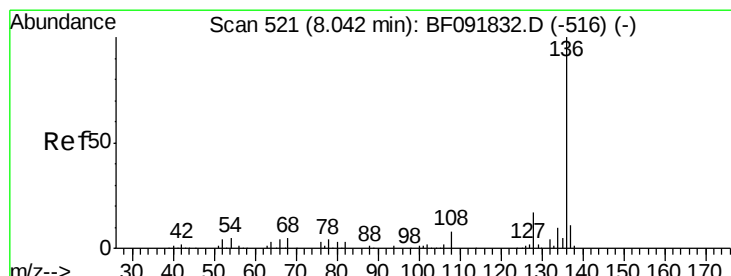
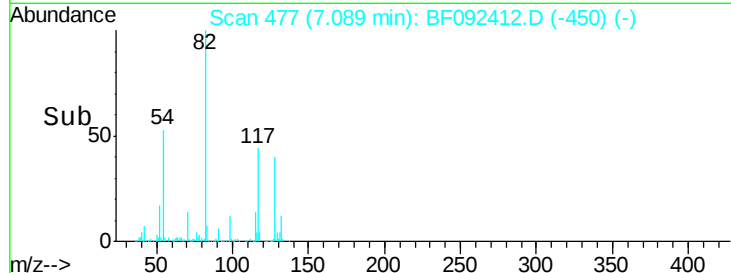
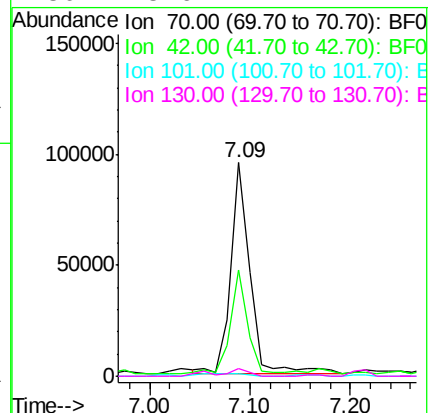
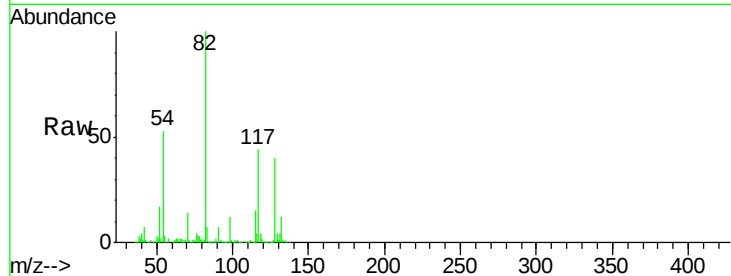




#19
n-Nitroso-di-n-propylamine
Concen: 5.61 ng
RT: 7.09 min Scan# 477
Delta R.T. 0.01 min
Lab File: BF092412.D
Acq: 21 Jan 2017 14:54

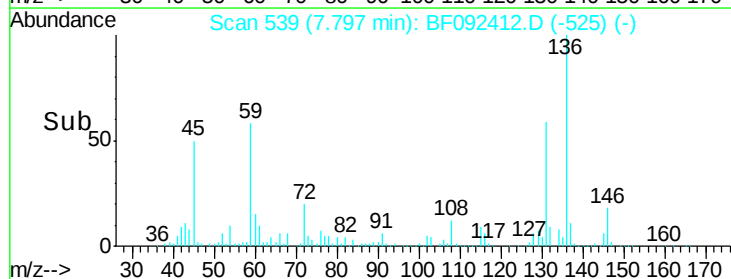
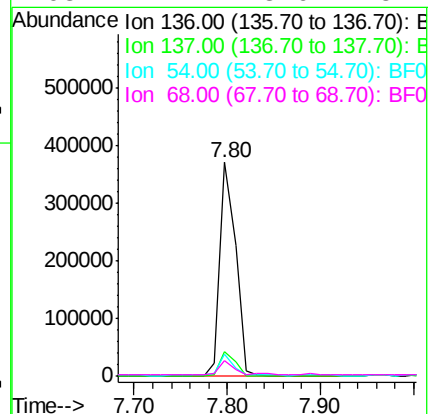
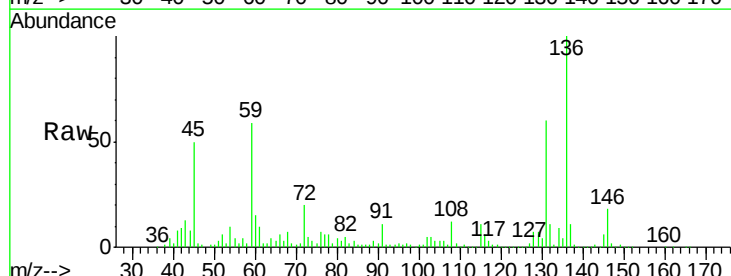
Instrument :
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MW-14

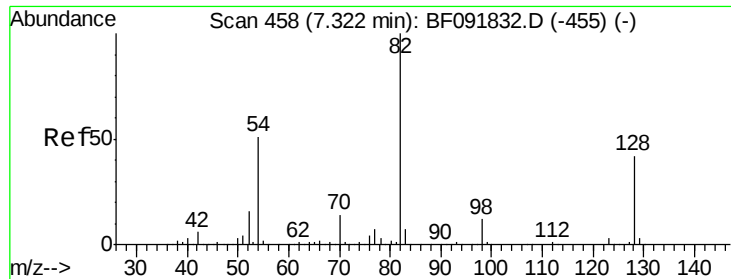
Tgt Ion:	70	Resp:	126814
Ion	Ratio	Lower	Upper
70	100		
42	49.6	49.4	74.0
101	1.4	7.4	11.2#
130	3.6	14.2	21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.80 min Scan# 539
Delta R.T. -0.14 min
Lab File: BF092412.D
Acq: 21 Jan 2017 14:54

Tgt Ion:	136	Resp:	435068
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.4	12.6
54	10.2	4.5	6.7#
68	7.1	3.6	5.4#

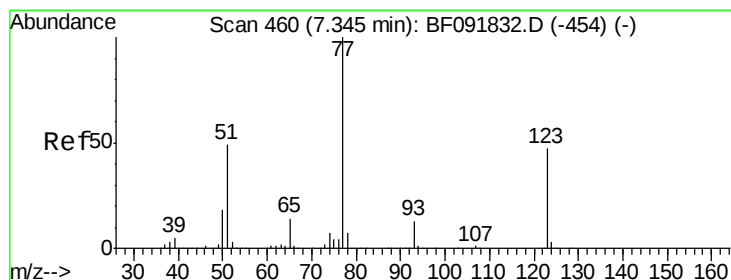
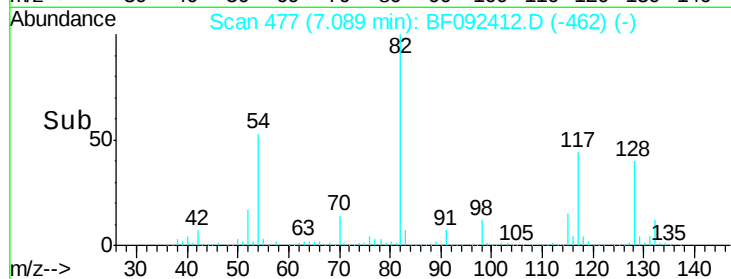
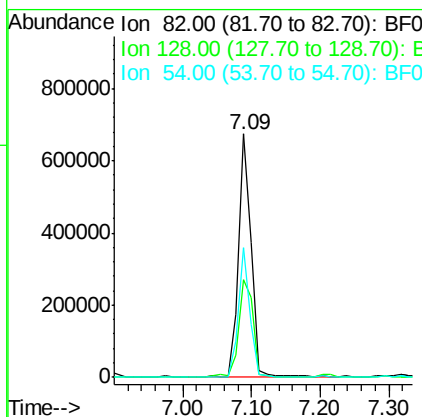
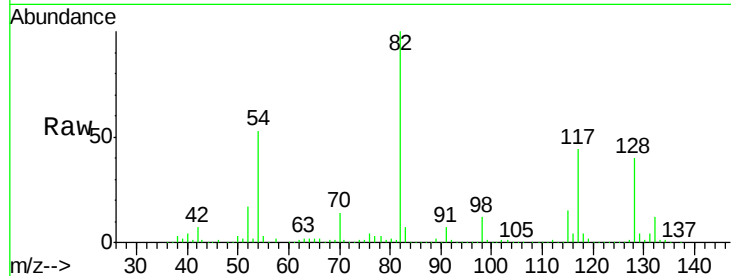




#23
 Nitrobenzene-d5
 Concen: 112.33 ng
 RT: 7.09 min Scan# 477
 Delta R.T. -0.12 min
 Lab File: BF092412.D
 Acq: 21 Jan 2017 14:54

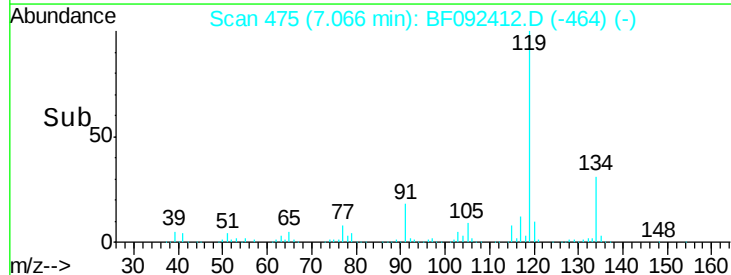
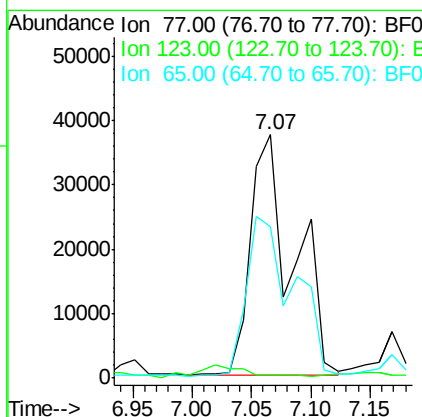
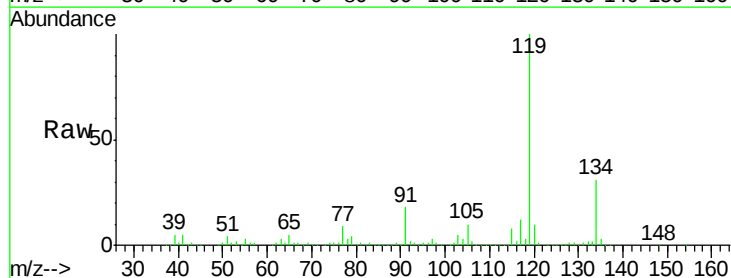
Instrument :
 BNA_F
 ClientSampleId :
 MW-14

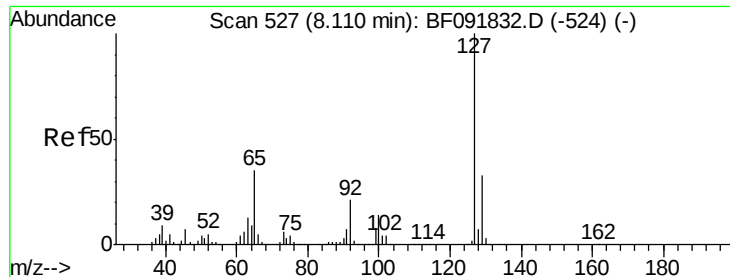
Tgt Ion	Ratio	Lower	Upper
82	100		
128	39.9	34.6	52.0
54	53.5	39.5	59.3



#24
 Nitrobenzene
 Concen: 11.21 ng
 RT: 7.07 min Scan# 475
 Delta R.T. -0.17 min
 Lab File: BF092412.D
 Acq: 21 Jan 2017 14:54

Tgt Ion	Ratio	Lower	Upper
77	100		
123	1.1	33.0	49.4#
65	62.1	11.2	16.8#

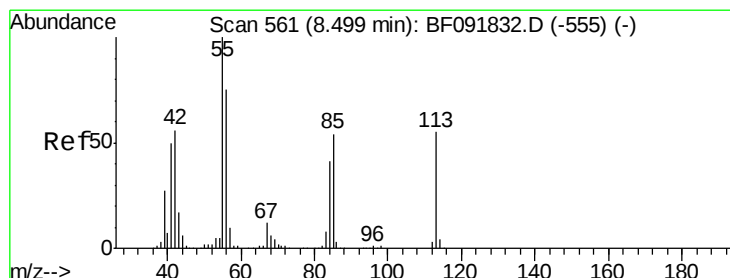
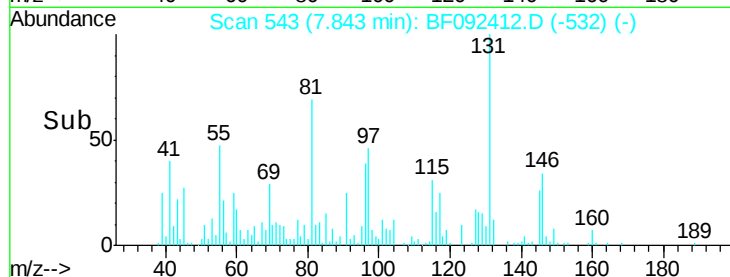
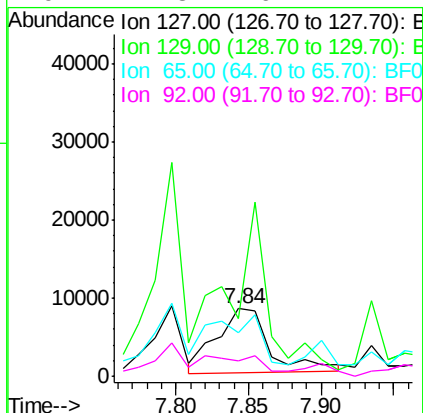
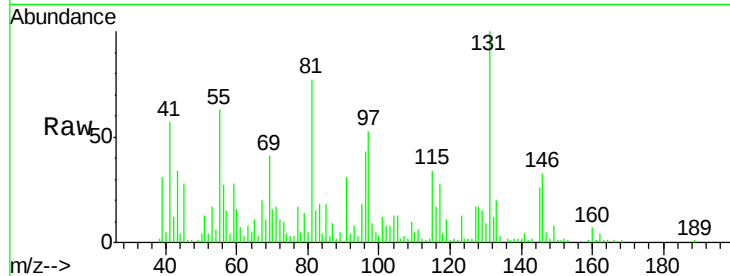




#33
4-Chloroaniline
Concen: 2.32 ng
RT: 7.84 min Scan# 543
Delta R.T. -0.17 min
Lab File: BF092412.D
Acq: 21 Jan 2017 14:54

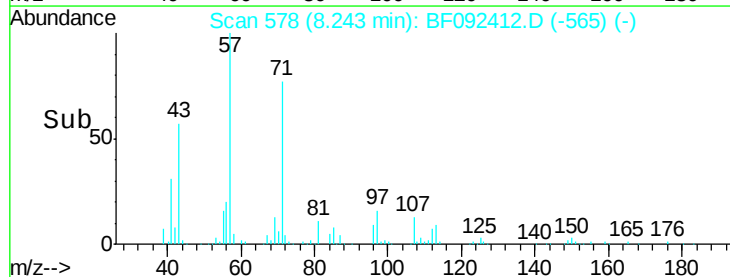
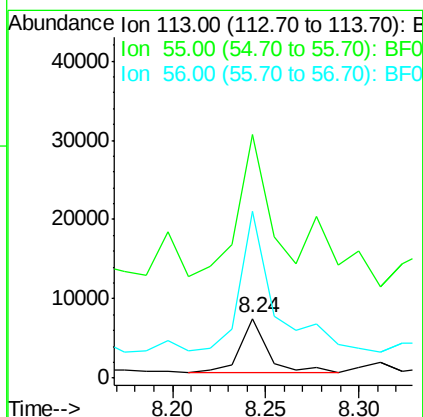
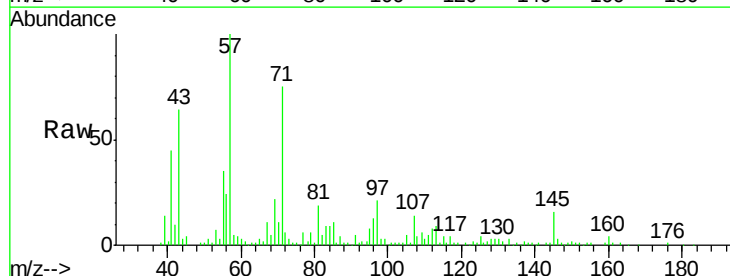
Instrument :
BNA_F
ClientSampleId :
MW-14

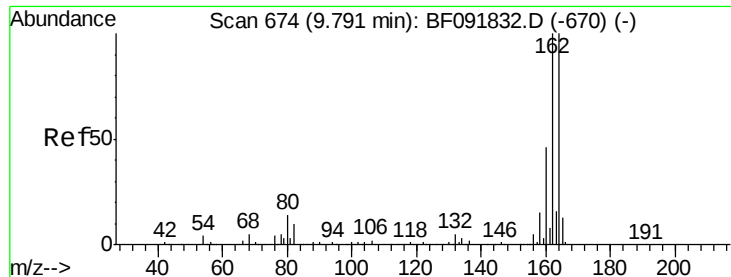
Tgt Ion:	127	Resp:	20851
Ion Ratio	Lower	Upper	
127	100		
129	84.7	26.3	39.5#
65	63.7	25.8	38.8#
92	22.8	16.1	24.1



#35
Caprolactam
Concen: 3.64 ng
RT: 8.24 min Scan# 578
Delta R.T. -0.15 min
Lab File: BF092412.D
Acq: 21 Jan 2017 14:54

Tgt Ion:	113	Resp:	6904
Ion Ratio	Lower	Upper	
113	100		
55	406.3	119.2	159.2#
56	278.3	83.8	123.8#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.55 min Scan# 692

Delta R.T. -0.14 min

Lab File: BF092412.D

Acq: 21 Jan 2017 14:54

Instrument :

BNA_F

ClientSampled :

MW-14

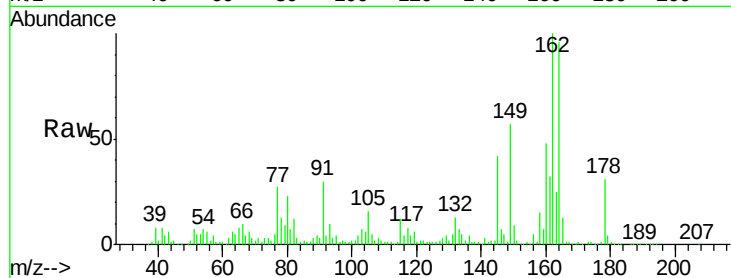
Tgt Ion:164 Resp: 325500

Ion Ratio Lower Upper

164 100

162 103.6 80.2 120.2

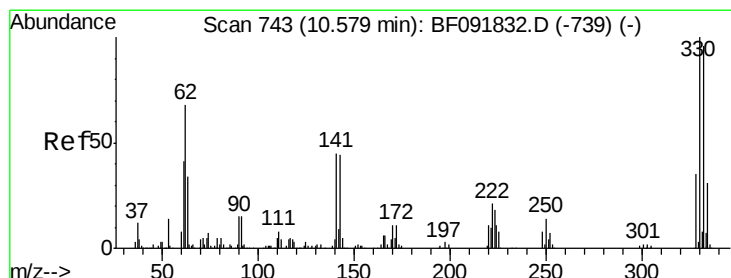
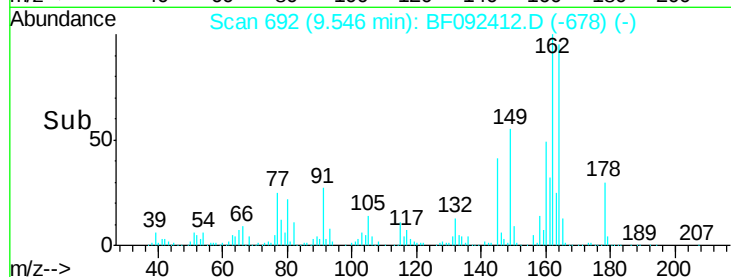
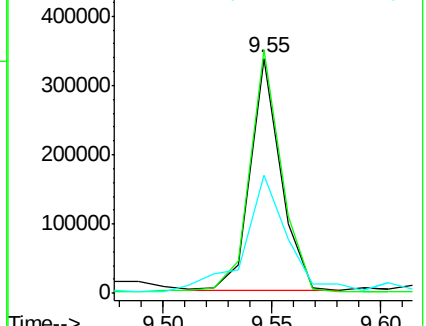
160 50.1 36.9 55.3



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: 148.71 ng

RT: 10.35 min Scan# 762

Delta R.T. -0.12 min

Lab File: BF092412.D

Acq: 21 Jan 2017 14:54

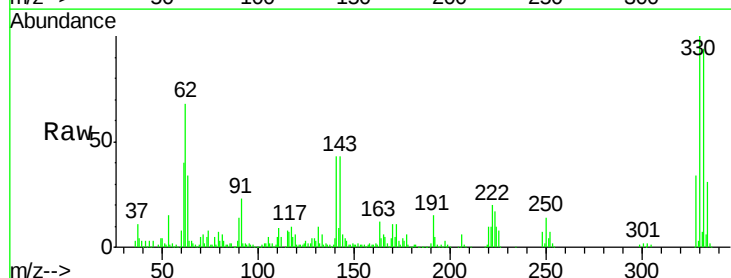
Tgt Ion:330 Resp: 400602

Ion Ratio Lower Upper

330 100

332 95.7 77.4 116.2

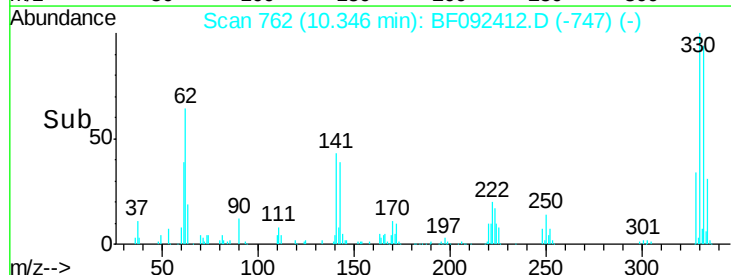
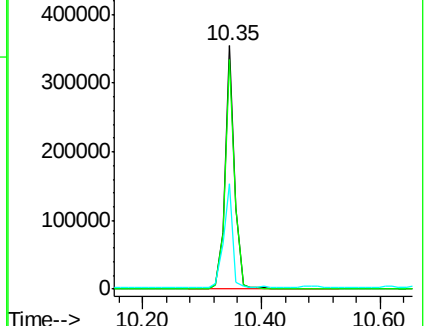
141 41.1 34.1 51.1

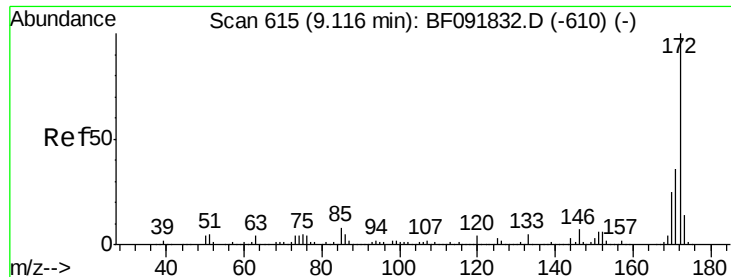


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

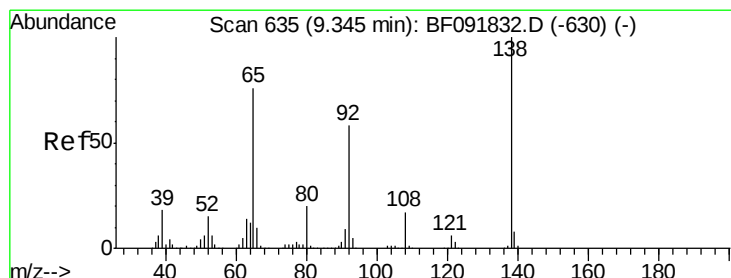
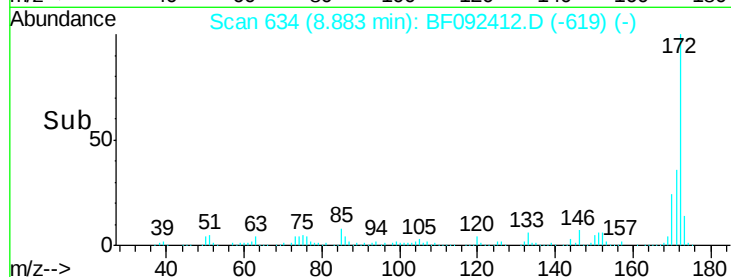
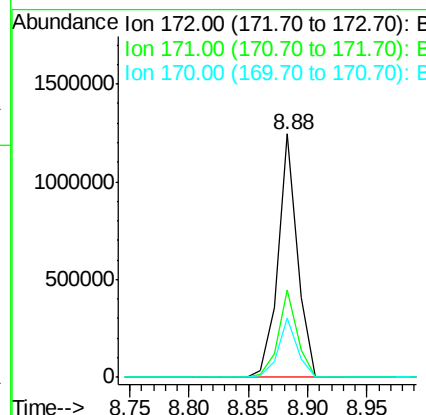
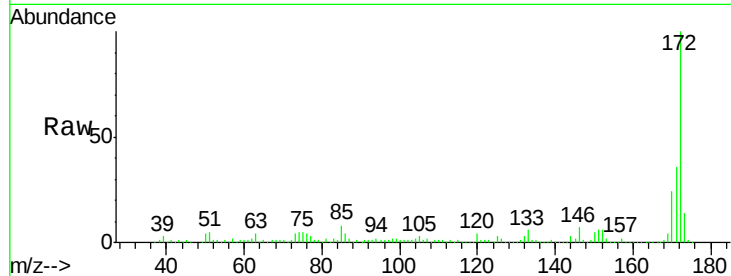




#44
 2-Fluorobiphenyl
 Concen: 89.15 ng
 RT: 8.88 min Scan# 634
 Delta R.T. -0.12 min
 Lab File: BF092412.D
 Acq: 21 Jan 2017 14:54

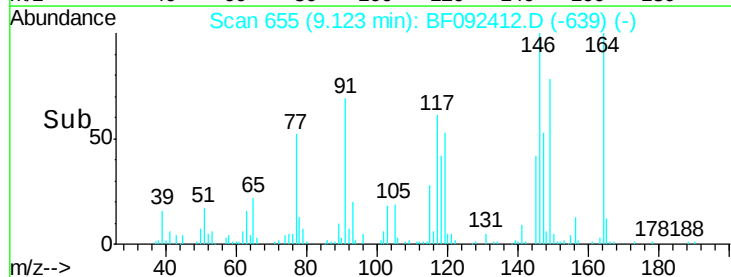
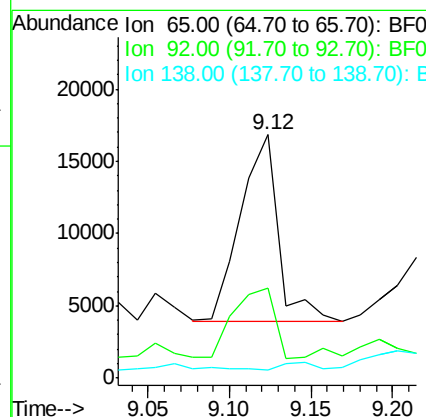
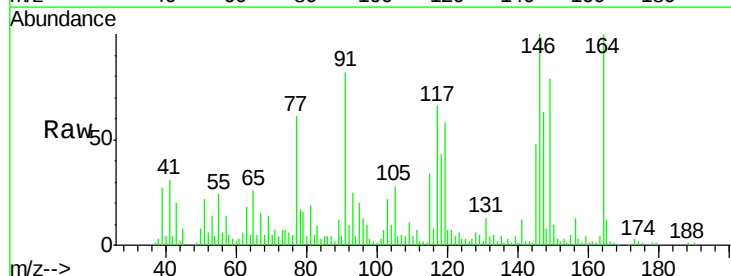
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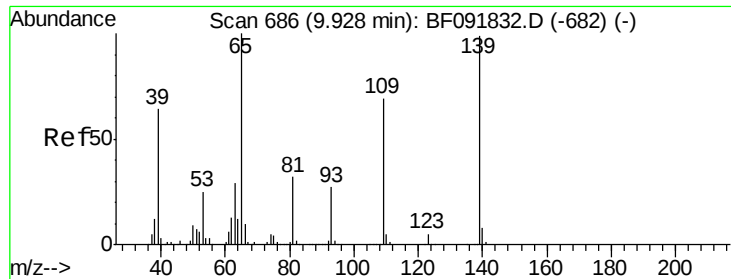
Tgt Ion: 172 Resp: 1406288
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.4 44.0
 170 24.4 20.2 30.4



#47
 2-Nitroaniline
 Concen: 3.29 ng
 RT: 9.12 min Scan# 655
 Delta R.T. -0.11 min
 Lab File: BF092412.D
 Acq: 21 Jan 2017 14:54

Tgt Ion: 65 Resp: 20650
 Ion Ratio Lower Upper
 65 100
 92 36.9 53.9 80.9#
 138 3.4 76.8 115.2#

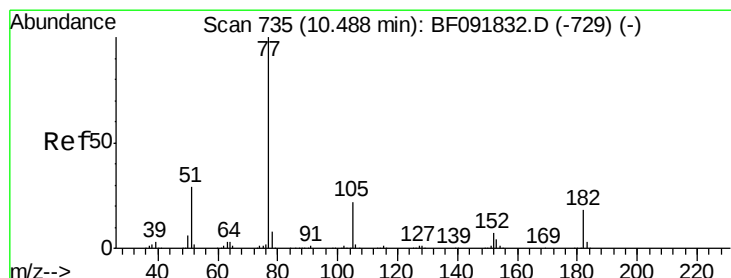
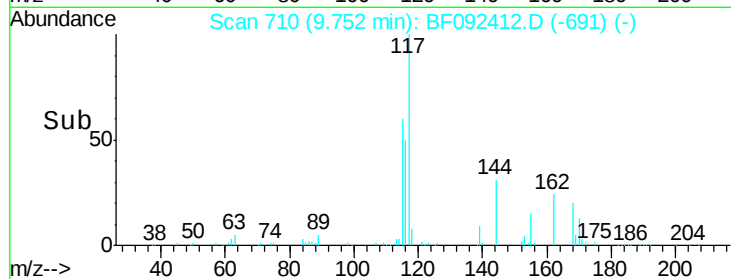
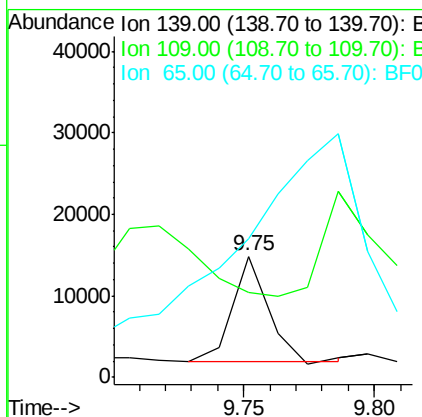
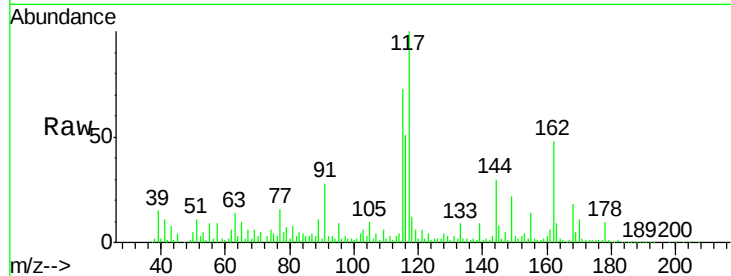




#55
4-Nitrophenol
Concen: 3.22 ng
RT: 9.75 min Scan# 710
Delta R.T. -0.08 min
Lab File: BF092412.D
Acq: 21 Jan 2017 14:54

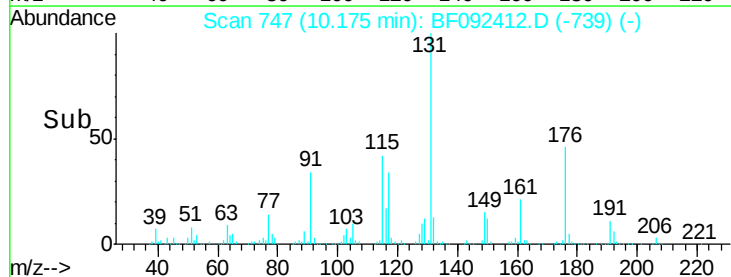
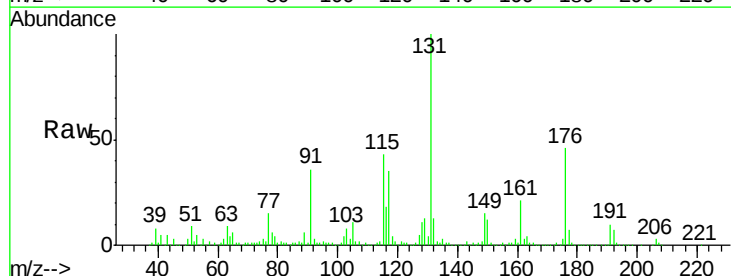
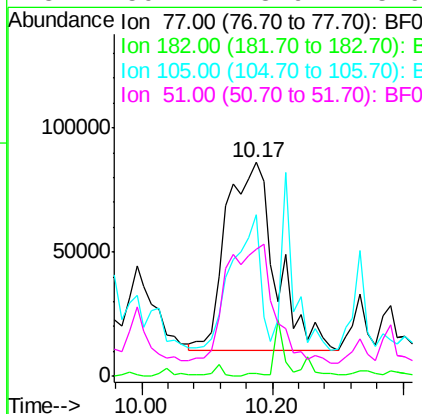
Instrument :
BNA_F
ClientSampleId :
MW-14

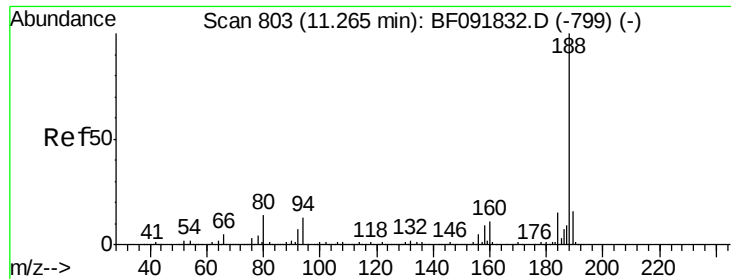
Tgt Ion: 139 Resp: 12310
Ion Ratio Lower Upper
139 100
109 70.3 52.2 92.2
65 114.8 85.8 125.8



#62
Azobenzene
Concen: 17.96 ng
RT: 10.17 min Scan# 747
Delta R.T. -0.20 min
Lab File: BF092412.D
Acq: 21 Jan 2017 14:54

Tgt Ion: 77 Resp: 399702
Ion Ratio Lower Upper
77 100
182 1.0 0.0 39.3
105 75.6 2.3 42.3#
51 59.1 8.9 48.9#

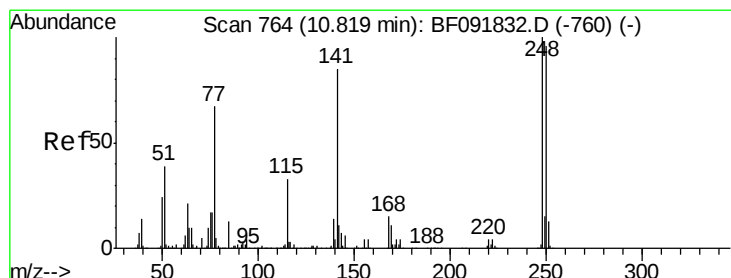
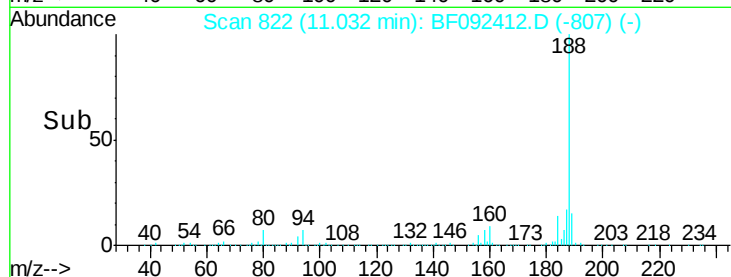
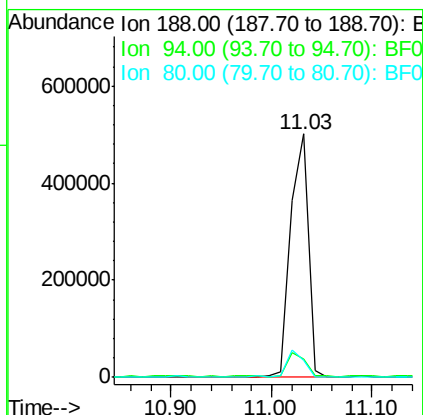
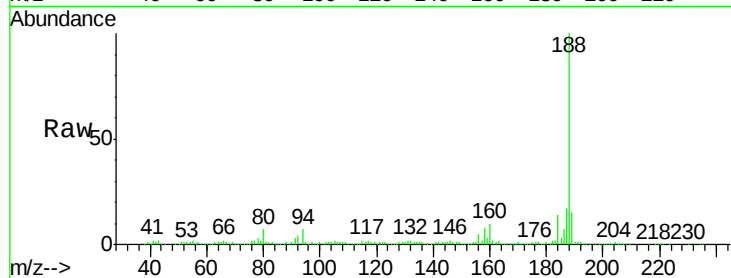




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.03 min Scan# 822
Delta R.T. -0.12 min
Lab File: BF092412.D
Acq: 21 Jan 2017 14:54

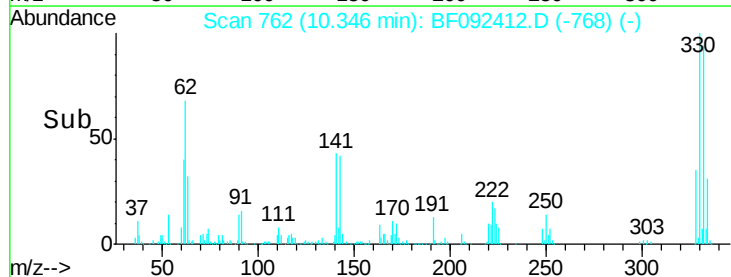
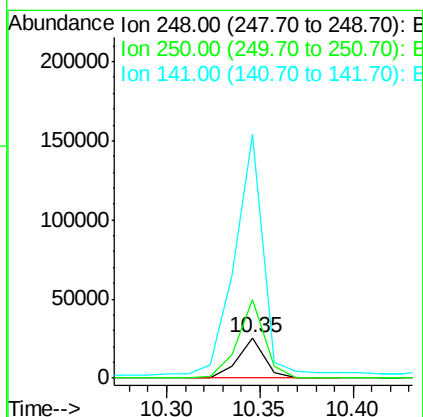
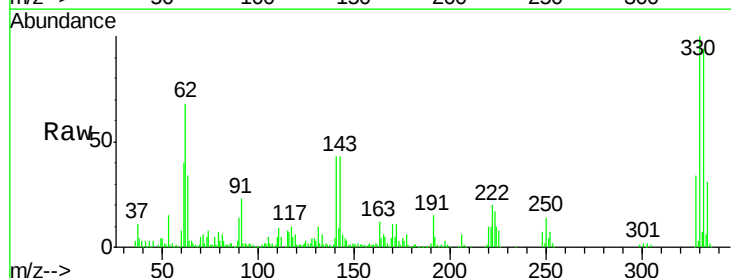
Instrument :
BNA_F
ClientSampleId :
MW-14

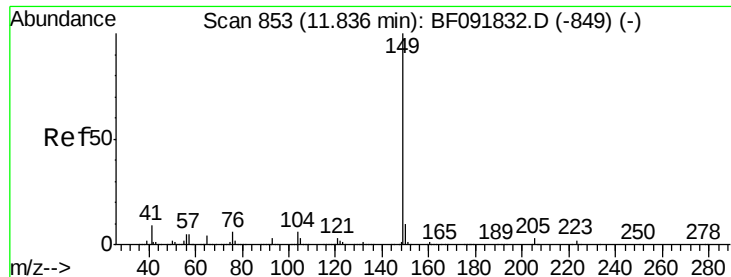
Tgt Ion:188 Resp: 611271
Ion Ratio Lower Upper
188 100
94 7.3 10.0 15.0#
80 7.2 11.2 16.8#



#66
4-Bromophenyl-phenylether
Concen: 4.02 ng
RT: 10.35 min Scan# 762
Delta R.T. -0.36 min
Lab File: BF092412.D
Acq: 21 Jan 2017 14:54

Tgt Ion:248 Resp: 25534
Ion Ratio Lower Upper
248 100
250 194.3 76.9 115.3#
141 604.6 68.2 102.4#





#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.61 min Scan# 873

Delta R.T. -0.11 min

Lab File: BF092412.D

Acq: 21 Jan 2017 14:54

Instrument :

BNA_F

ClientSampleId :

MW-14

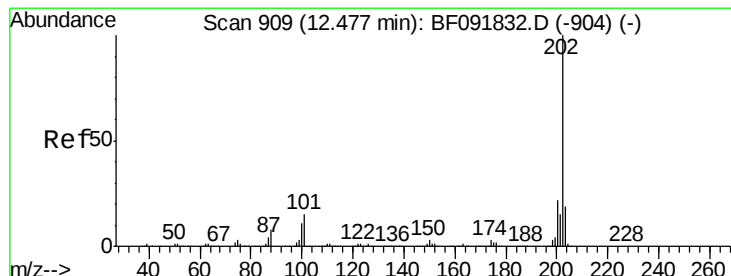
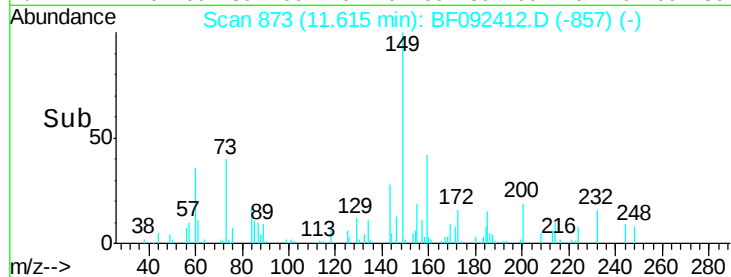
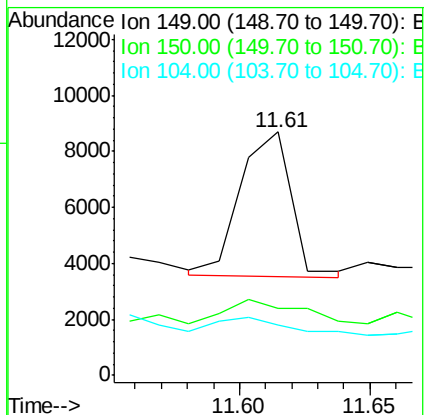
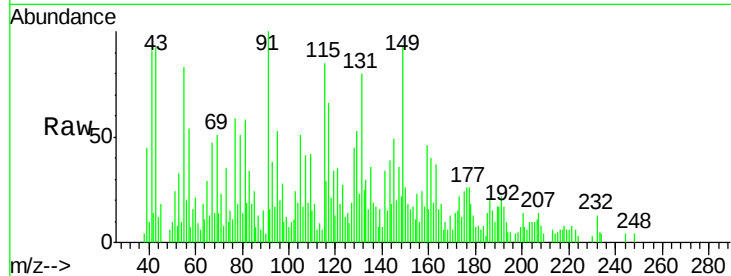
Tgt Ion:149 Resp: 7013

Ion Ratio Lower Upper

149 100

150 27.6 8.1 12.1#

104 20.6 4.6 7.0#



#74

Fluoranthene

Concen: Below Cal

RT: 12.23 min Scan# 927

Delta R.T. -0.14 min

Lab File: BF092412.D

Acq: 21 Jan 2017 14:54

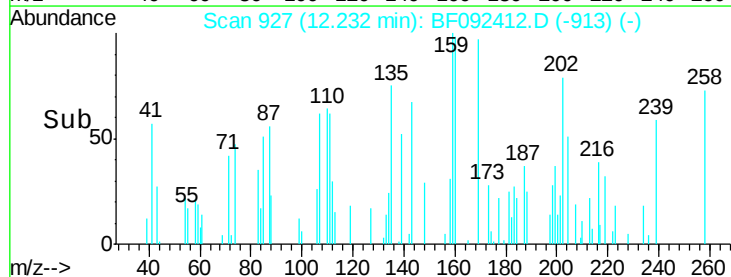
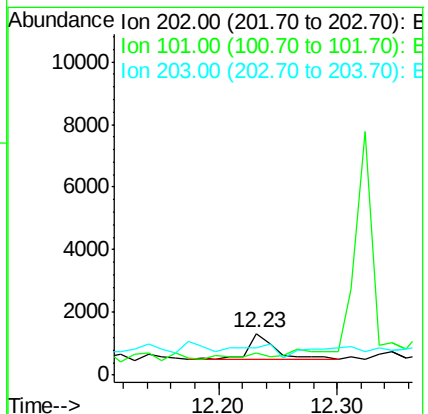
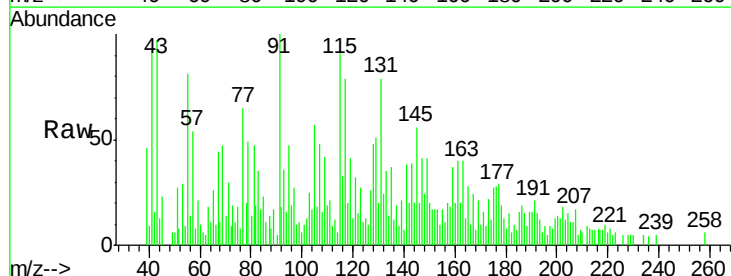
Tgt Ion:202 Resp: 1260

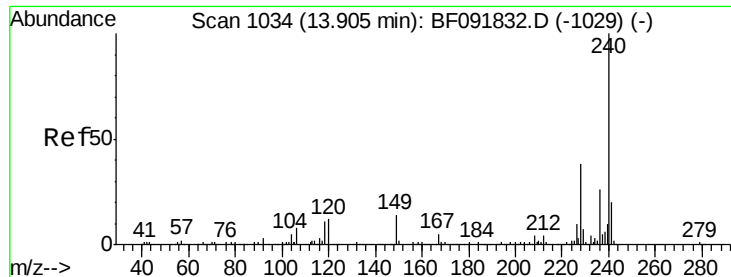
Ion Ratio Lower Upper

202 100

101 53.2 0.0 34.6#

203 66.1 0.0 38.7#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.65 min Scan# 1051

Delta R.T. -0.14 min

Lab File: BF092412.D

Acq: 21 Jan 2017 14:54

Instrument :

BNA_F

ClientSampleId :

MW-14

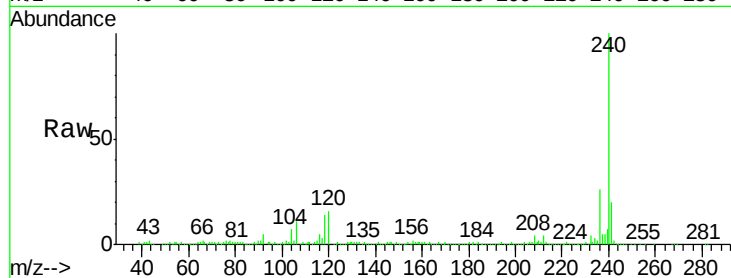
Tgt Ion:240 Resp: 468491

Ion Ratio Lower Upper

240 100

120 16.3 12.9 19.3

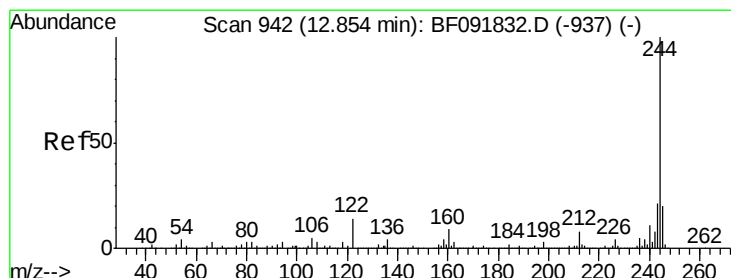
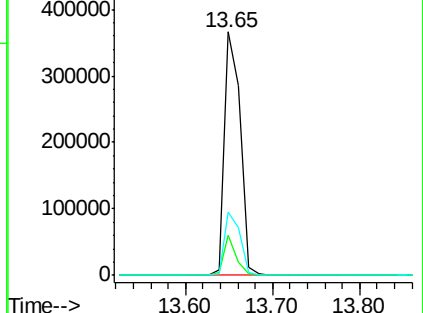
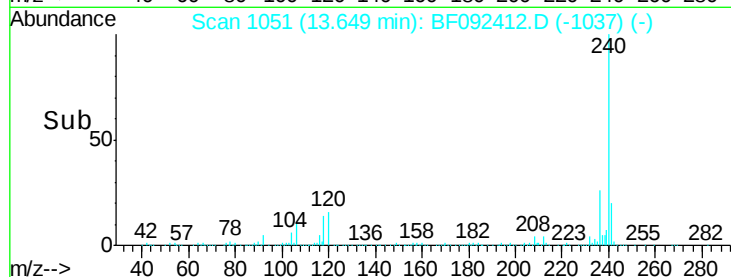
236 25.8 20.9 31.3



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



#78

Terphenyl-d14

Concen: 97.11 ng

RT: 12.62 min Scan# 961

Delta R.T. -0.12 min

Lab File: BF092412.D

Acq: 21 Jan 2017 14:54

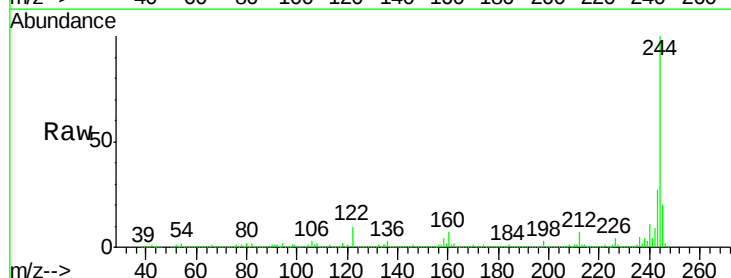
Tgt Ion:244 Resp: 1875935

Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.2

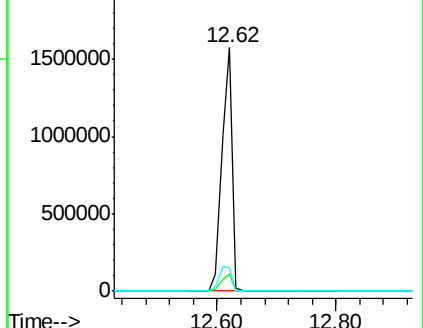
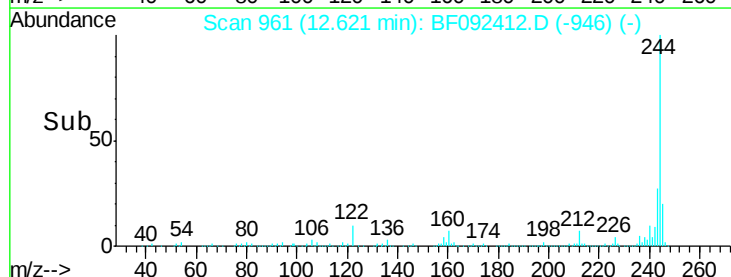
122 9.9 11.4 17.2#

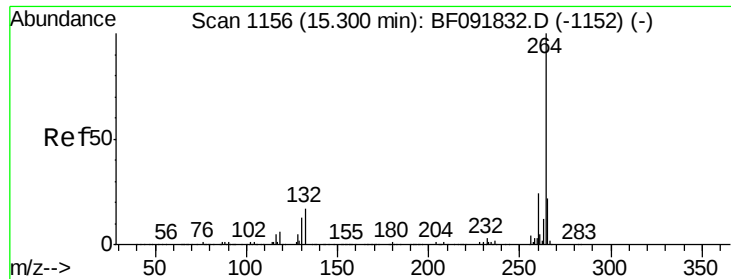


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

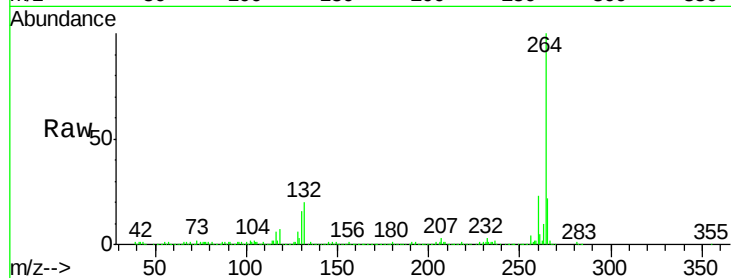




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.00 min Scan# 1169
Delta R.T. -0.15 min
Lab File: BF092412.D
Acq: 21 Jan 2017 14:54

Instrument :
BNA_F
ClientSampleId :
MW-14

Tgt Ion: 264 Resp: 369407
Ion Ratio Lower Upper
264 100
260 23.3 19.2 28.8
265 21.9 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

