

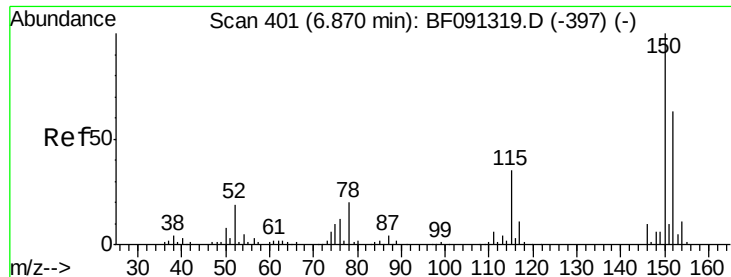
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120216\
 Data File : BF091388.D
 Acq On : 2 Dec 2016 12:53
 Operator : UM/SJ
 Sample : H5801-05DL2 50X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-5A-112916DL2

Quant Time: Dec 02 22:04:07 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 29 13:33:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	191243	20.00	ng	-0.02
21) Naphthalene-d8	8.15	136	735526	20.00	ng	-0.02
38) Acenaphthene-d10	9.90	164	458765	20.00	ng	-0.02
63) Phenanthrene-d10	11.38	188	794638	20.00	ng	-0.02
75) Chrysene-d12	14.01	240	600343	20.00	ng	-0.03
86) Perylene-d12	15.44	264	476354	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	27367	2.34	ng	-0.02
7) Phenol-d6	6.48	99	28997	2.01	ng	-0.02
23) Nitrobenzene-d5	7.42	82	60915	4.64	ng	-0.03
41) 2,4,6-Tribromophenol	10.69	330	24492	5.64	ng	-0.02
44) 2-Fluorobiphenyl	9.22	172	111523	4.40	ng	-0.02
78) Terphenyl-d14	12.96	244	124065	4.49	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.39	77	372420	40.19	ng	# 1
17) 2-Methylphenol	7.11	107	107971	10.64	ng	# 68
18) Hexachloroethane	7.43	117	459005	91.02	ng	# 1
22) Acetophenone	7.26	105	226627	13.00	ng	# 61
24) Nitrobenzene	7.40	77	84820	6.31	ng	# 18
27) 2,4-Dimethylphenol	7.81	122	55518	4.85	ng	95
31) Naphthalene	8.17	128	1248190	35.71	ng	99
33) 4-Chloroaniline	8.17	127	189005	12.65	ng	# 36
37) 2-Methylnaphthalene	8.86	142	438693	18.47	ng	94
50) 2,6-Dinitrotoluene	9.90	165	61667	9.93	ng	# 17
56) 2,4-Dinitrotoluene	9.90	165	62240	7.73	ng	# 34

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 400

Delta R.T. -0.02 min

Lab File: BF091388.D

Acq: 2 Dec 2016 12:53

Instrument :

BNA_F

ClientSampleId :

MW-5A-112916DL2

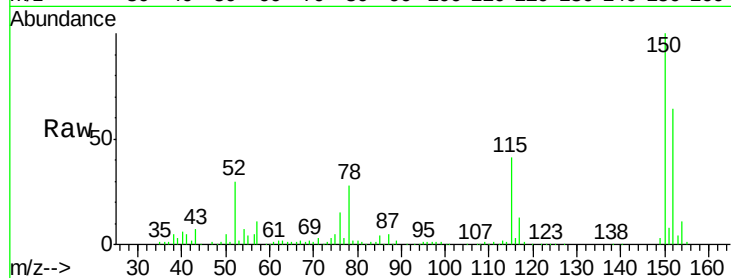
Tgt Ion:152 Resp: 191243

Ion Ratio Lower Upper

152 100

150 156.9 122.5 183.7

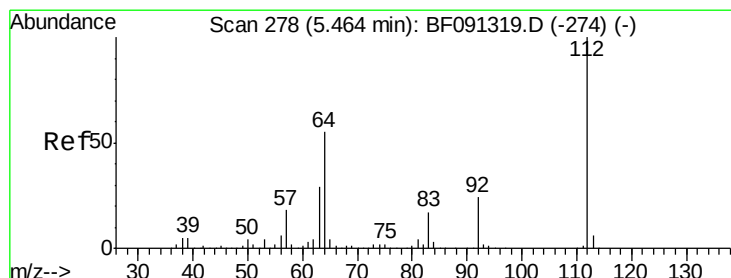
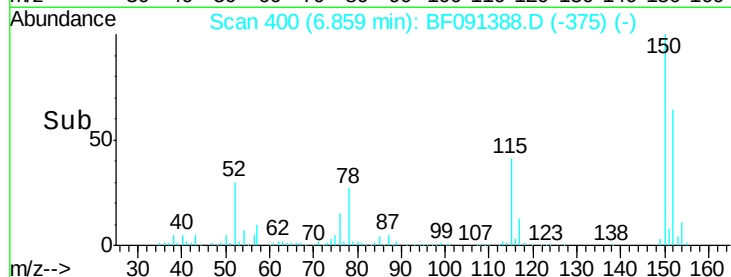
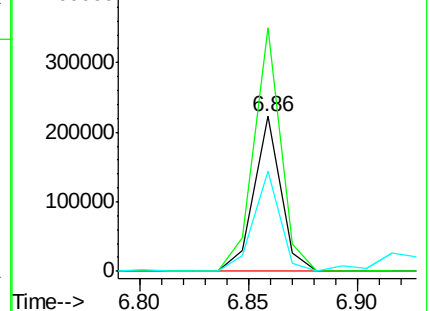
115 64.3 51.8 77.8



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: 2.34 ng

RT: 5.45 min Scan# 277

Delta R.T. -0.02 min

Lab File: BF091388.D

Acq: 2 Dec 2016 12:53

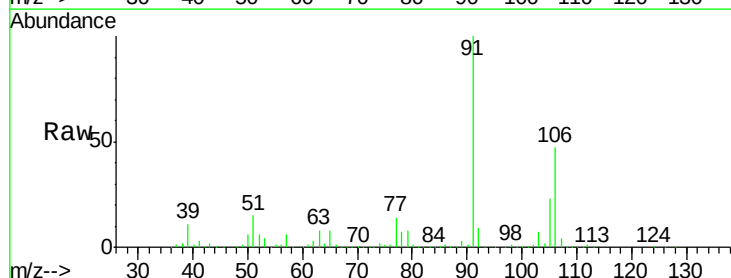
Tgt Ion:112 Resp: 27367

Ion Ratio Lower Upper

112 100

64 169.3 61.5 92.3#

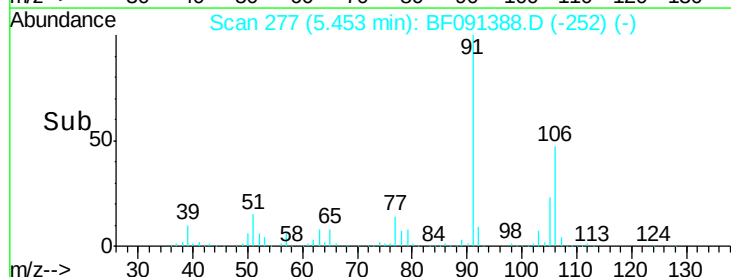
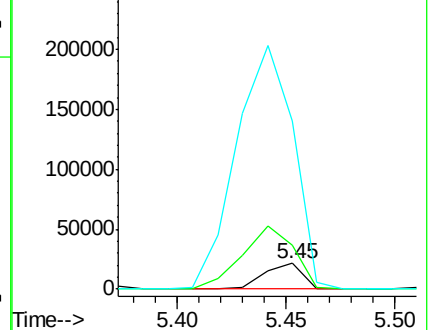
63 649.3 33.3 49.9#

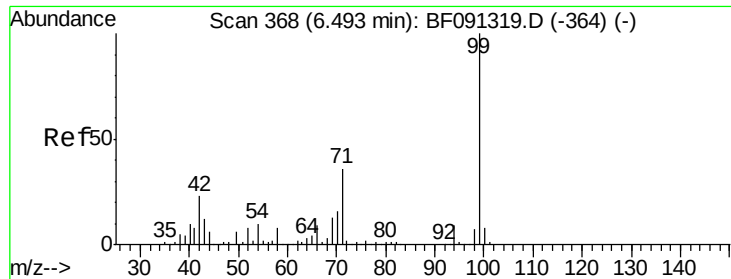


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 2.01 ng

RT: 6.48 min Scan# 367

Delta R.T. -0.02 min

Lab File: BF091388.D

Acq: 2 Dec 2016 12:53

Instrument :

BNA_F

ClientSampleId :

MW-5A-112916DL2

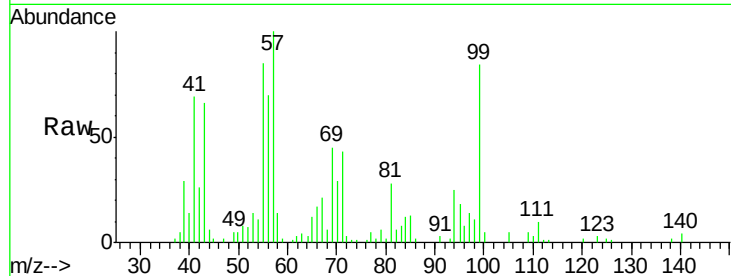
Tgt Ion: 99 Resp: 28997

Ion Ratio Lower Upper

99 100

42 31.3 20.6 31.0#

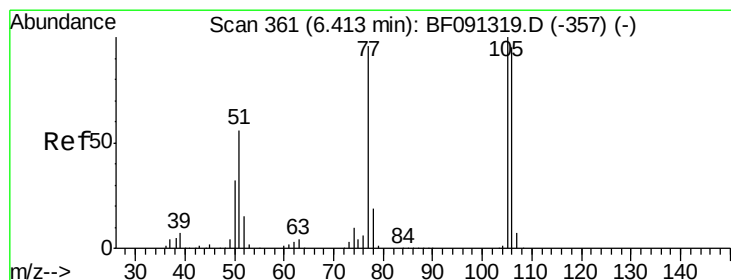
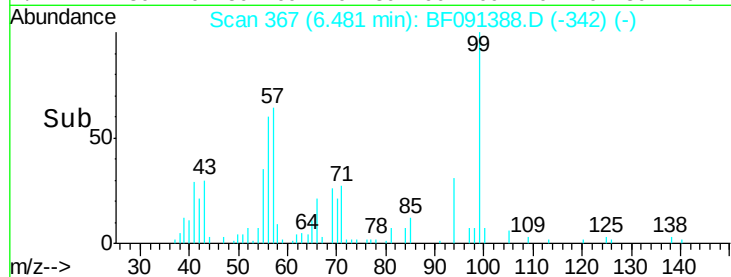
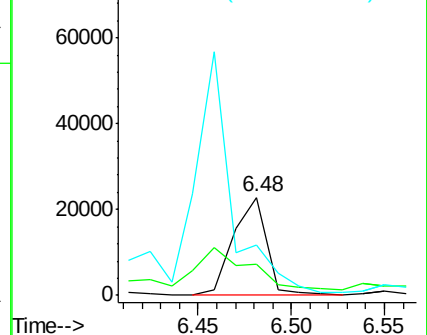
71 51.8 29.9 44.9#



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 40.19 ng

RT: 6.39 min Scan# 359

Delta R.T. -0.03 min

Lab File: BF091388.D

Acq: 2 Dec 2016 12:53

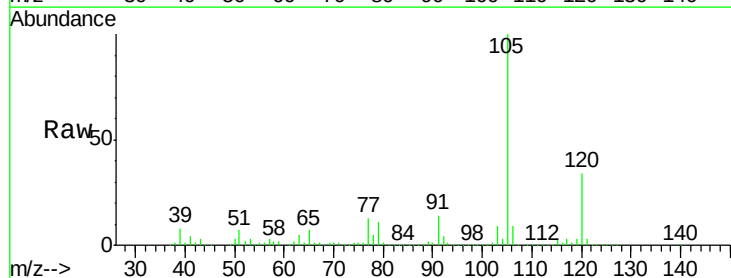
Tgt Ion: 77 Resp: 372420

Ion Ratio Lower Upper

77 100

105 756.9 66.4 106.4#

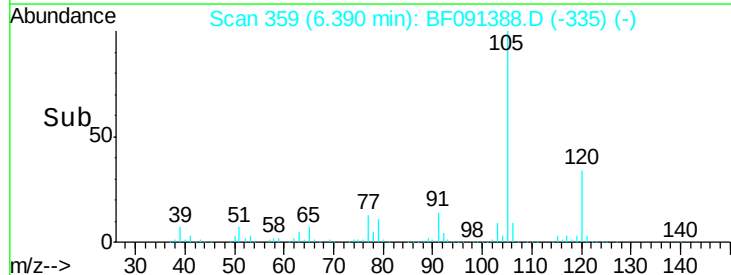
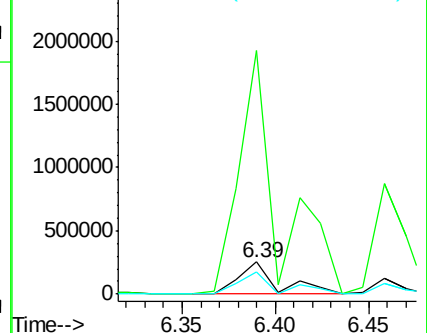
106 68.4 60.9 100.9

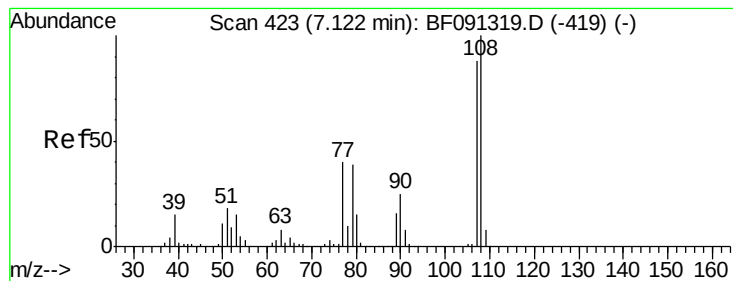


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0

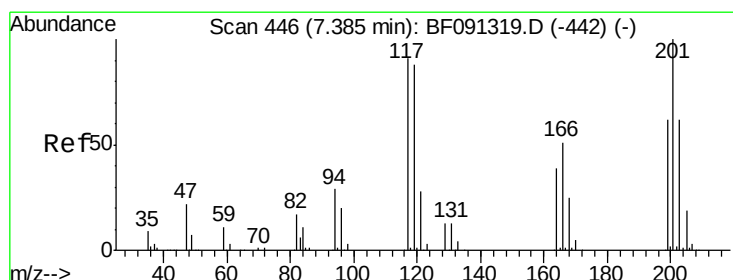
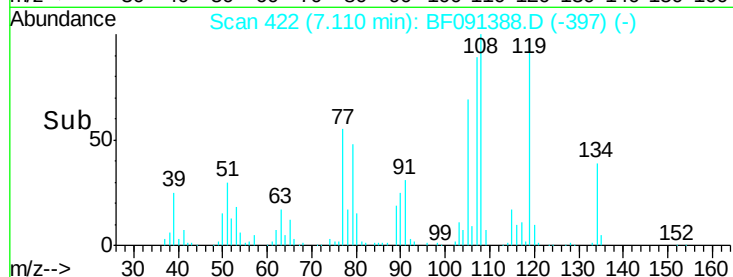
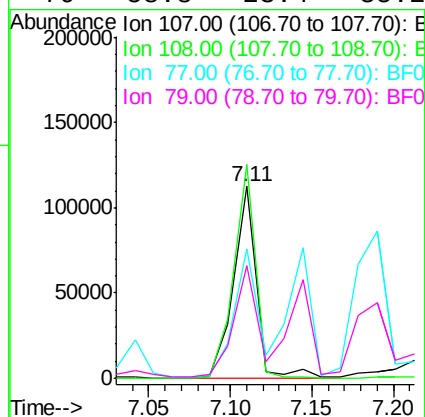
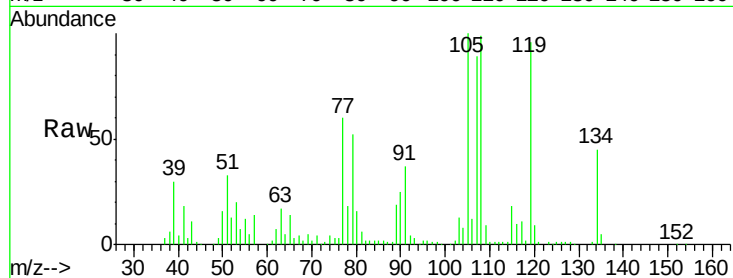




#17
2-Methylphenol
Concen: 10.64 ng
RT: 7.11 min Scan# 422
Delta R.T. -0.02 min
Lab File: BF091388.D
Acq: 2 Dec 2016 12:53

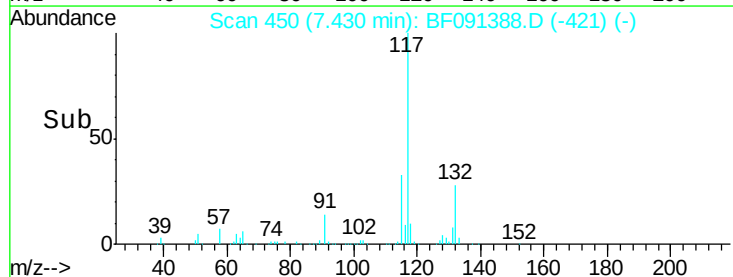
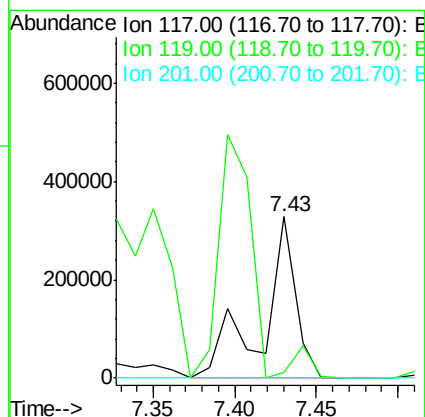
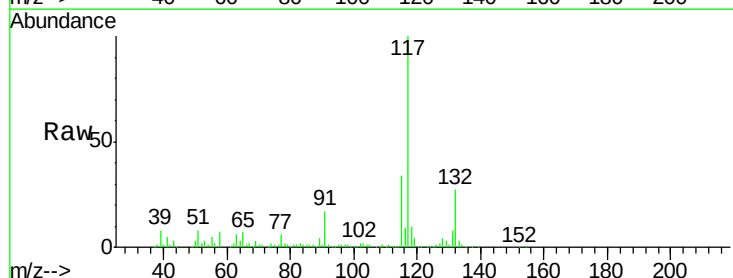
Instrument :
BNA_F
ClientSampleID :
MW-5A-112916DL2

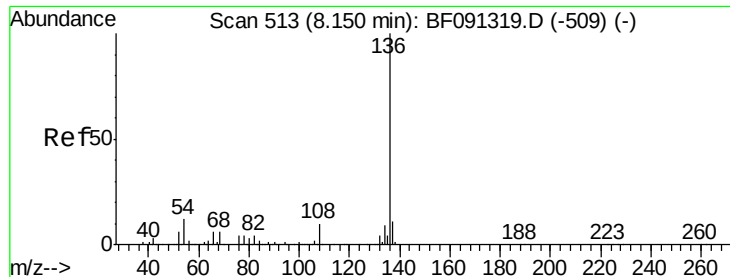
Tgt Ion:107 Resp: 107971
Ion Ratio Lower Upper
107 100
108 111.4 67.7 101.5#
77 67.5 40.7 61.1#
79 58.8 23.4 35.2#



#18
Hexachloroethane
Concen: 91.02 ng
RT: 7.43 min Scan# 450
Delta R.T. 0.03 min
Lab File: BF091388.D
Acq: 2 Dec 2016 12:53

Tgt Ion:117 Resp: 459005
Ion Ratio Lower Upper
117 100
119 3.8 78.6 118.0#
201 0.0 86.7 130.1#

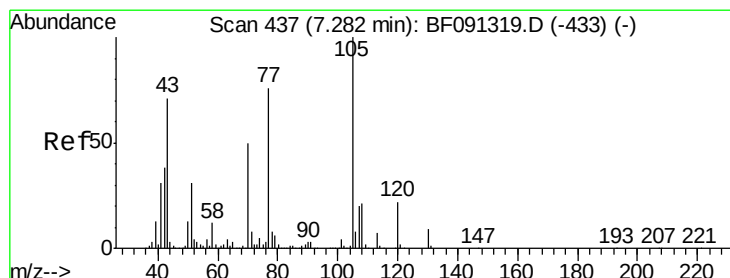
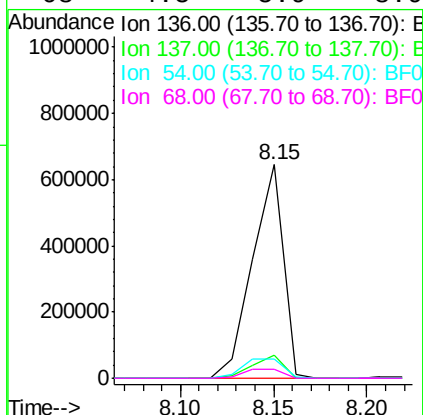
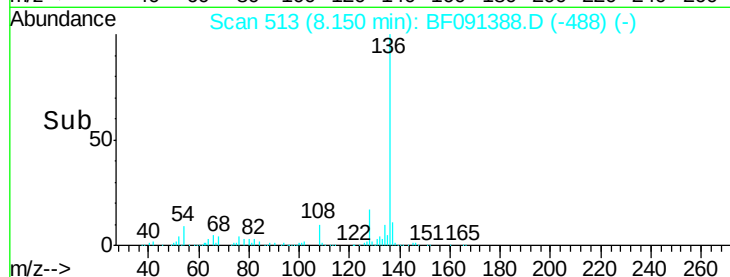
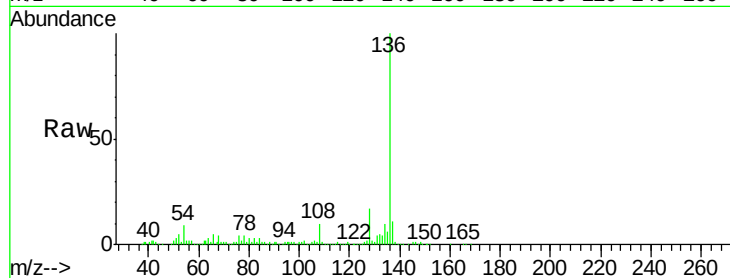




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 513
Delta R.T. -0.02 min
Lab File: BF091388.D
Acq: 2 Dec 2016 12:53

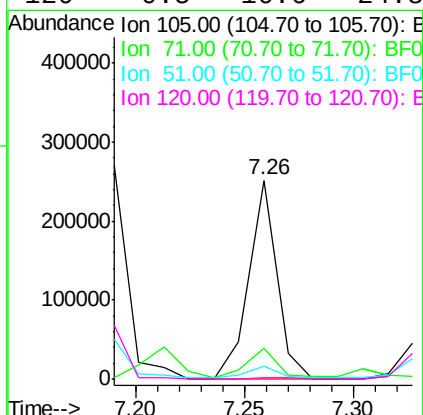
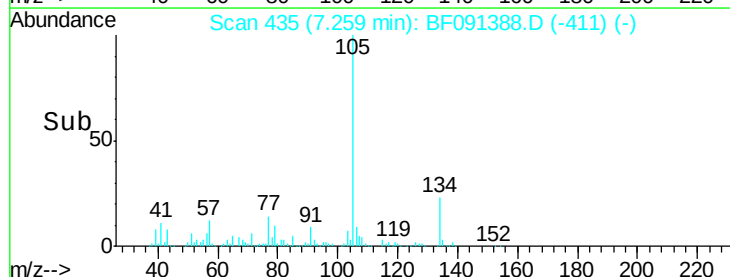
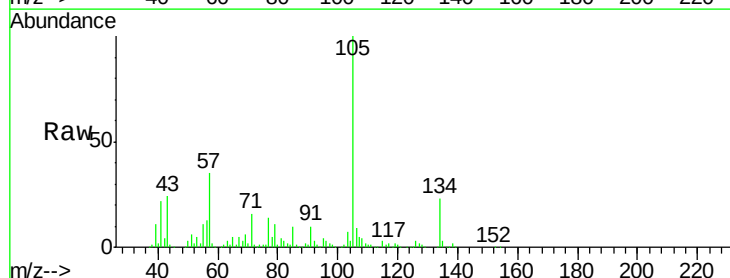
Instrument :
BNA_F
ClientSampleId :
MW-5A-112916DL2

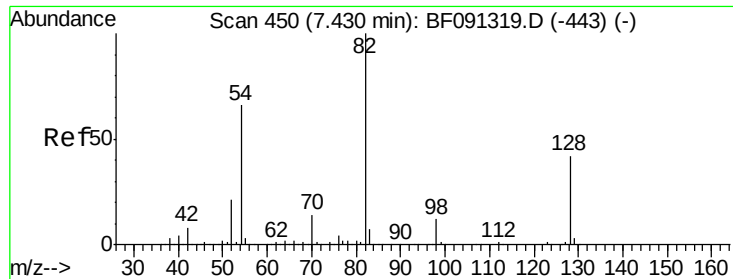
Tgt Ion:	136	Resp:	735526
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	8.8	9.1	13.7#
68	4.5	5.9	8.9#



#22
Acetophenone
Concen: 13.00 ng
RT: 7.26 min Scan# 435
Delta R.T. -0.03 min
Lab File: BF091388.D
Acq: 2 Dec 2016 12:53

Tgt Ion:	105	Resp:	226627
Ion	Ratio	Lower	Upper
105	100		
71	15.7	7.9	11.9#
51	6.3	24.5	36.7#
120	0.5	16.6	24.8#

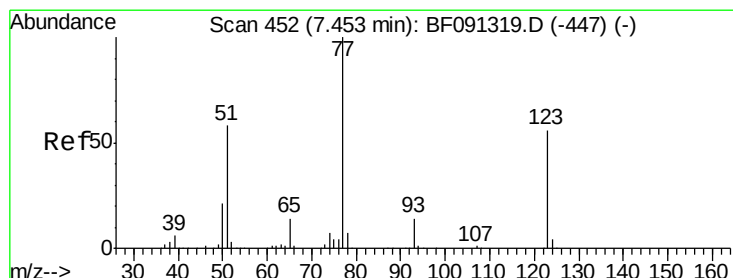
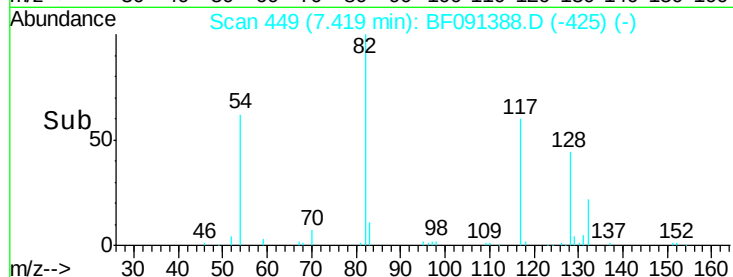
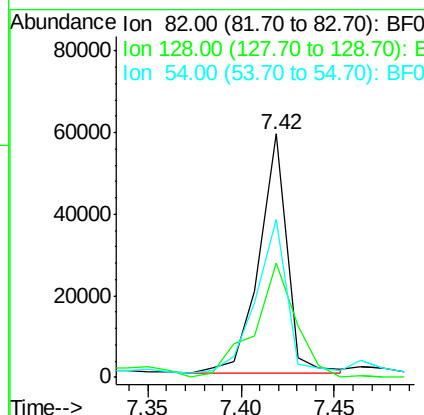
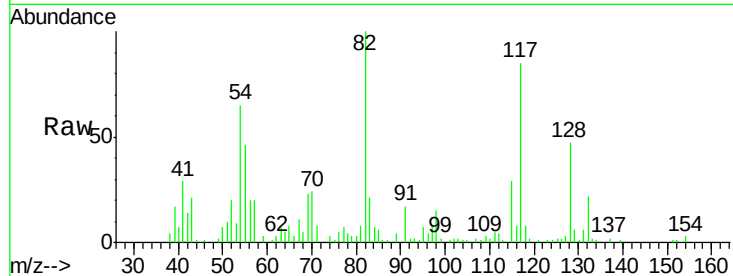




#23
 Nitrobenzene-d5
 Concen: 4.64 ng
 RT: 7.42 min Scan# 449
 Delta R.T. -0.03 min
 Lab File: BF091388.D
 Acq: 2 Dec 2016 12:53

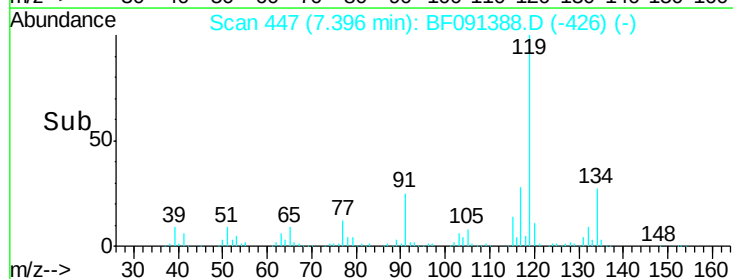
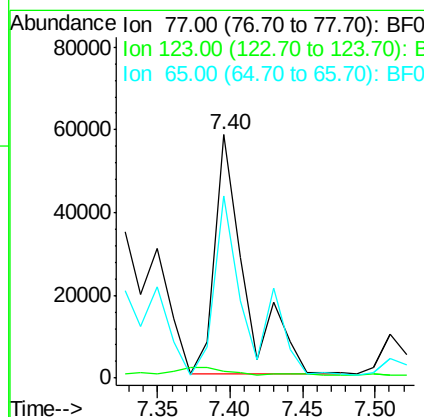
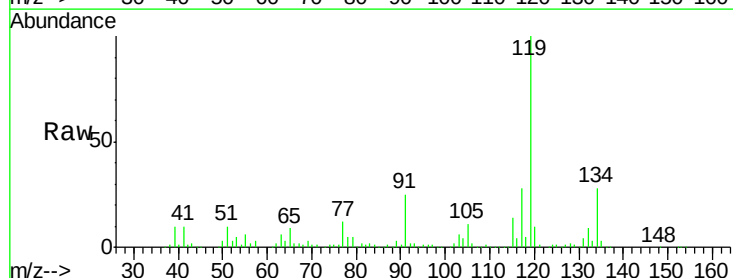
Instrument :
 BNA_F
 ClientSampleId :
 MW-5A-112916DL2

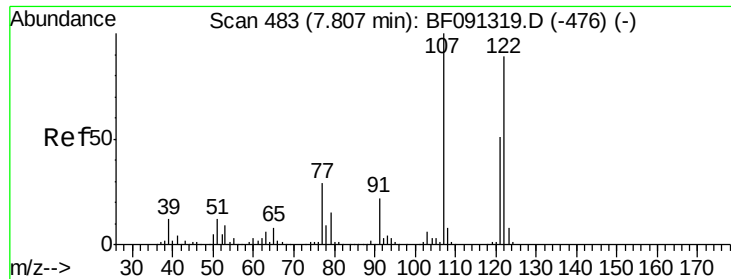
Tgt Ion:	82	Resp:	60915
Ion	Ratio	Lower	Upper
82	100		
128	46.9	31.8	47.6
54	65.1	49.1	73.7



#24
 Nitrobenzene
 Concen: 6.31 ng
 RT: 7.40 min Scan# 447
 Delta R.T. -0.06 min
 Lab File: BF091388.D
 Acq: 2 Dec 2016 12:53

Tgt Ion:	77	Resp:	84820
Ion	Ratio	Lower	Upper
77	100		
123	2.9	28.5	42.7#
65	75.1	12.5	18.7#

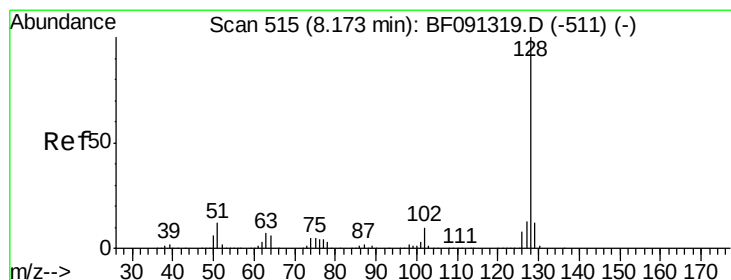
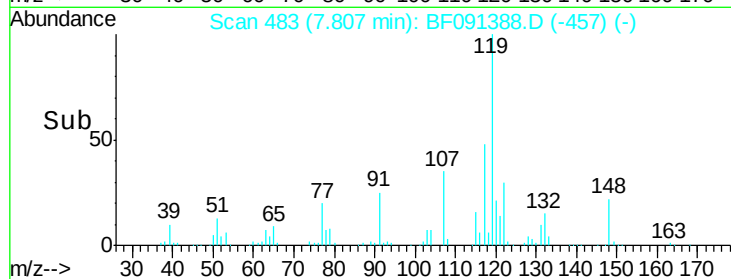
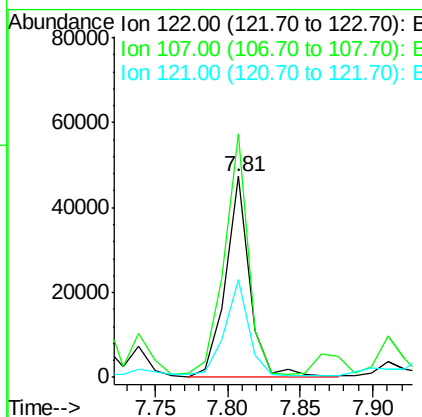
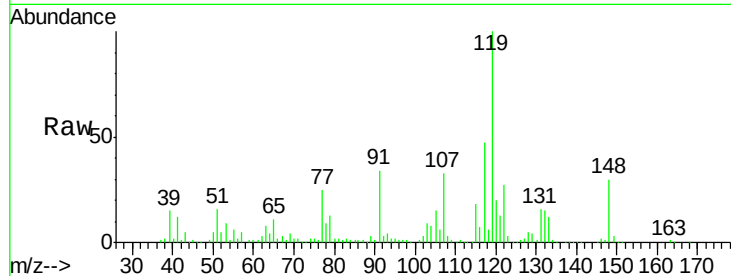




#27
2,4-Dimethylphenol
Concen: 4.85 ng
RT: 7.81 min Scan# 483
Delta R.T. -0.01 min
Lab File: BF091388.D
Acq: 2 Dec 2016 12:53

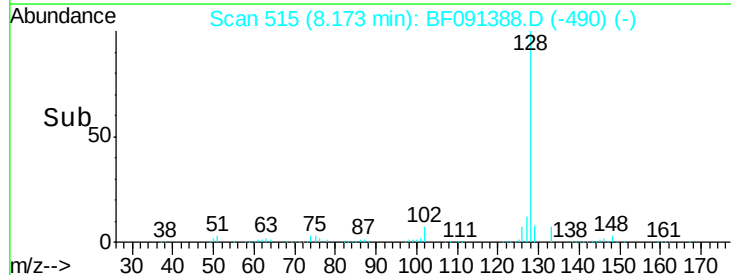
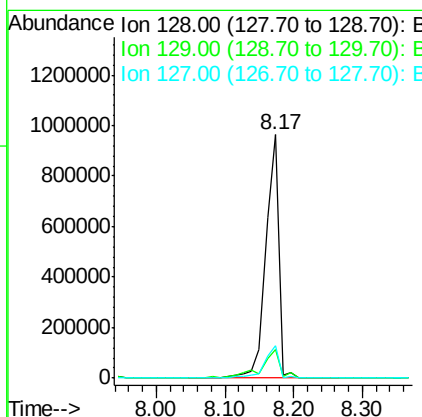
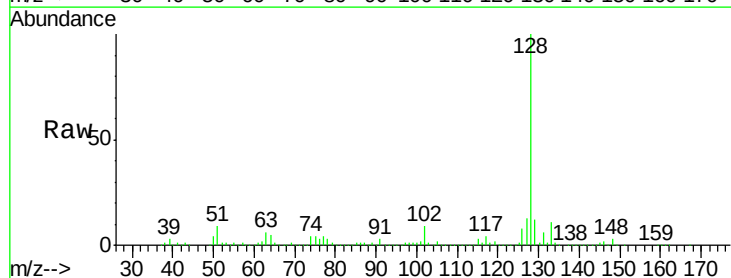
Instrument :
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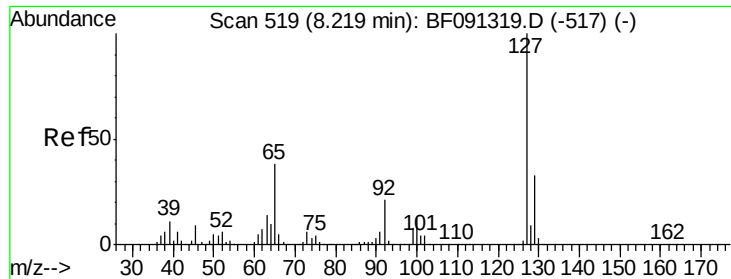
Tgt Ion:122 Resp: 55518
Ion Ratio Lower Upper
122 100
107 121.0 96.8 145.2
121 48.2 47.7 71.5



#31
Naphthalene
Concen: 35.71 ng
RT: 8.17 min Scan# 515
Delta R.T. -0.02 min
Lab File: BF091388.D
Acq: 2 Dec 2016 12:53

Tgt Ion:128 Resp: 1248190
Ion Ratio Lower Upper
128 100
129 11.7 9.1 13.7
127 13.2 11.0 16.4

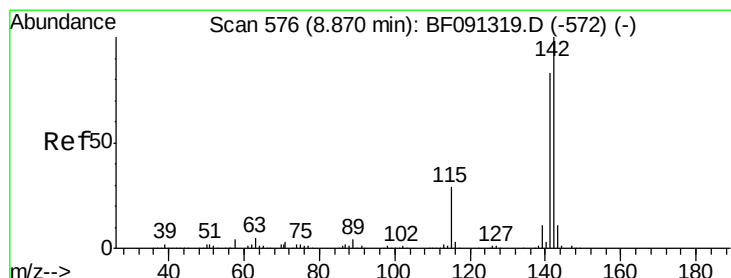
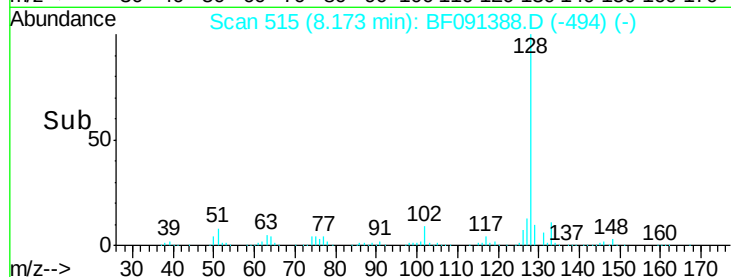
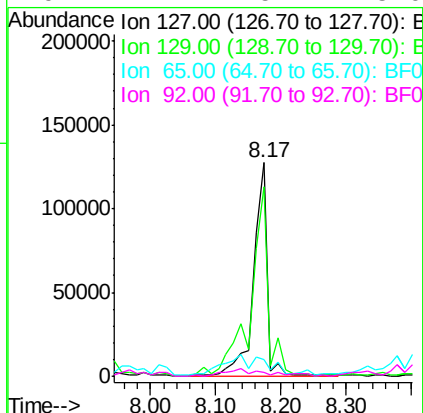
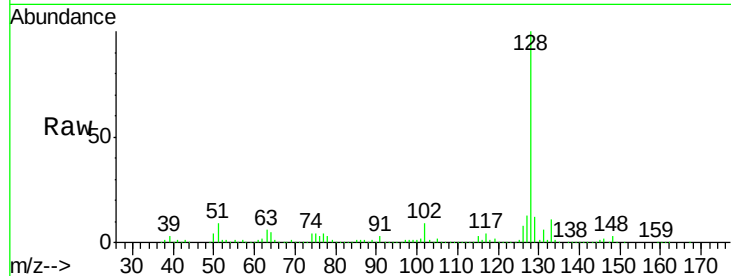




#33
4-Chloroaniline
Concen: 12.65 ng
RT: 8.17 min Scan# 515
Delta R.T. -0.06 min
Lab File: BF091388.D
Acq: 2 Dec 2016 12:53

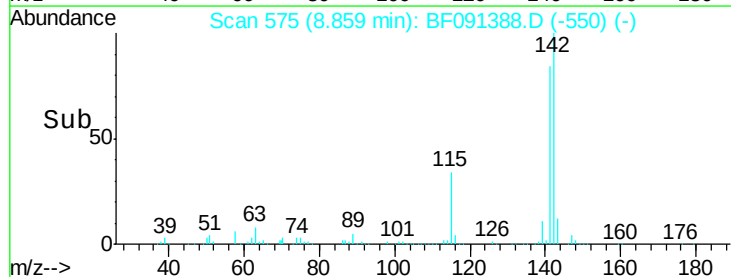
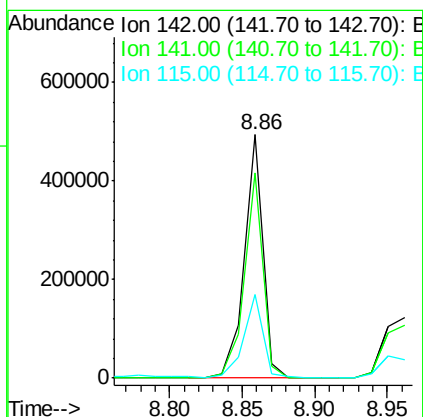
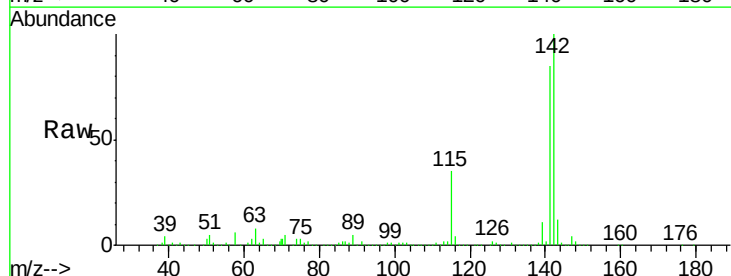
Instrument :
BNA_F
ClientSampleId :
MW-5A-112916DL2

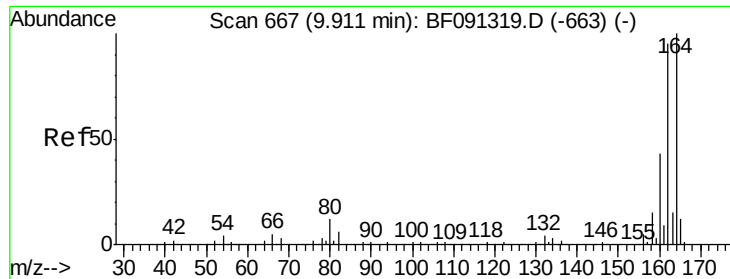
Tgt Ion:	127	Resp:	189005
Ion	Ratio	Lower	Upper
127	100		
129	88.8	26.2	39.4#
65	7.9	26.6	39.8#
92	2.1	15.4	23.0#



#37
2-Methylnaphthalene
Concen: 18.47 ng
RT: 8.86 min Scan# 575
Delta R.T. -0.02 min
Lab File: BF091388.D
Acq: 2 Dec 2016 12:53

Tgt Ion:	142	Resp:	438693
Ion	Ratio	Lower	Upper
142	100		
141	84.5	71.7	107.5
115	34.6	25.0	37.6

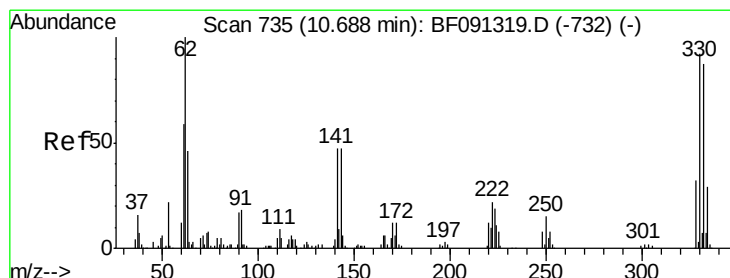
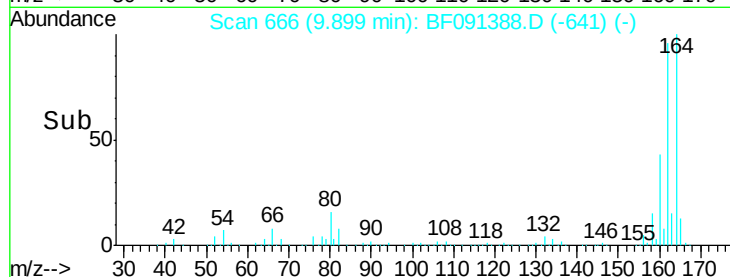
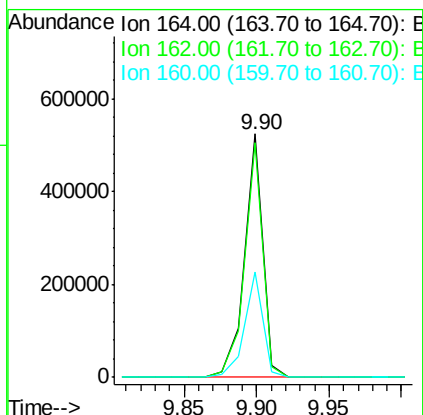
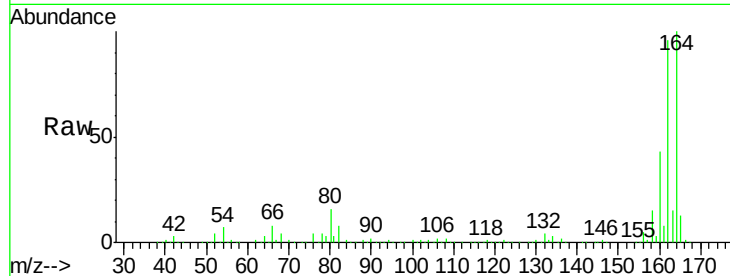




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 666
 Delta R.T. -0.02 min
 Lab File: BF091388.D
 Acq: 2 Dec 2016 12:53

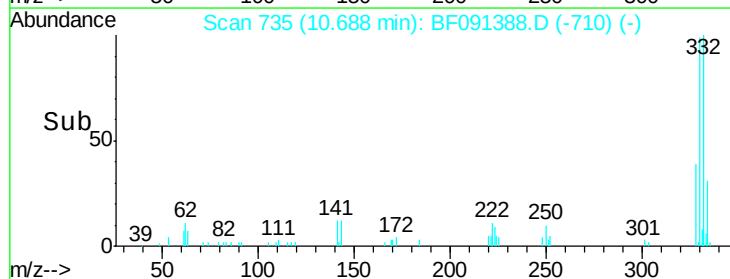
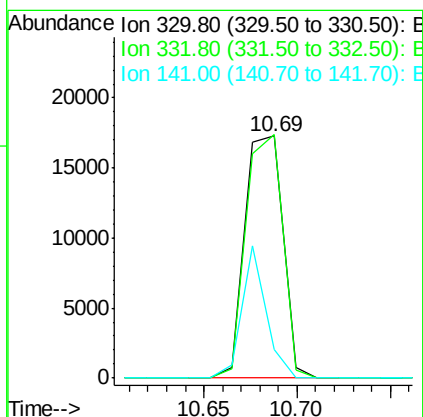
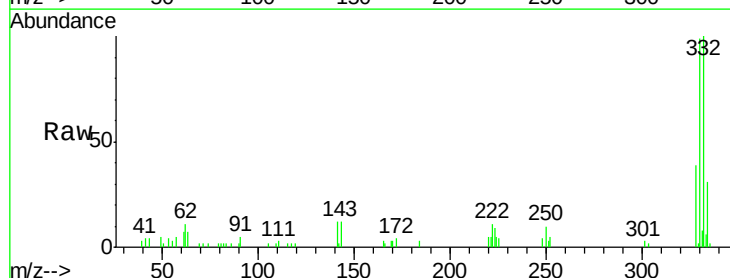
Instrument :
 BNA_F
 ClientSampleId :
 MW-5A-112916DL2

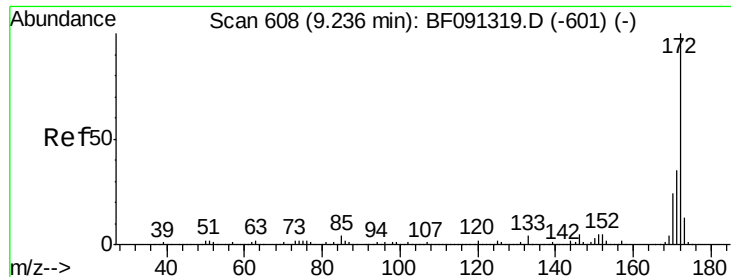
Tgt Ion:164 Resp: 458765
 Ion Ratio Lower Upper
 164 100
 162 96.4 82.6 124.0
 160 43.3 36.7 55.1



#41
 2,4,6-Tribromophenol
 Concen: 5.64 ng
 RT: 10.69 min Scan# 735
 Delta R.T. -0.02 min
 Lab File: BF091388.D
 Acq: 2 Dec 2016 12:53

Tgt Ion:330 Resp: 24492
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.2 114.4
 141 34.7 33.6 50.4

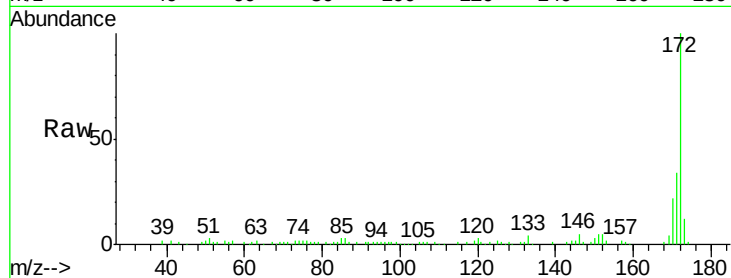




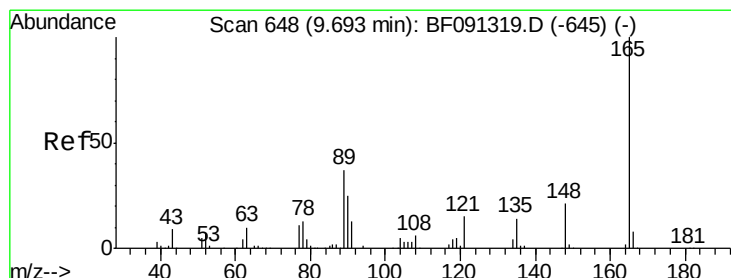
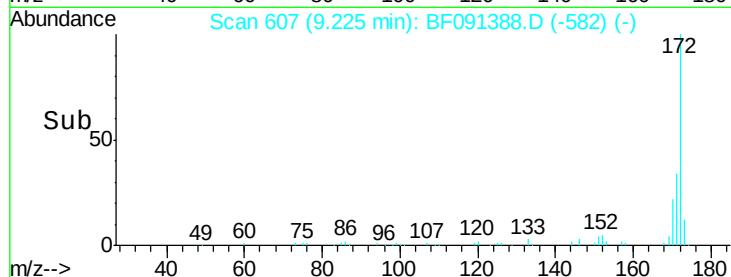
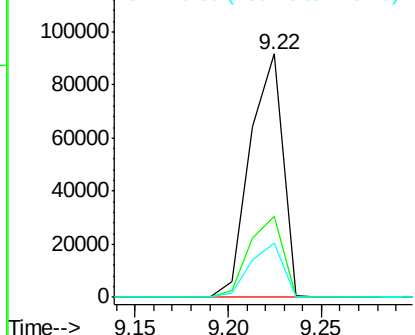
#44
 2-Fluorobiphenyl
 Concen: 4.40 ng
 RT: 9.22 min Scan# 607
 Delta R.T. -0.02 min
 Lab File: BF091388.D
 Acq: 2 Dec 2016 12:53

Instrument :
 BNA_F
 ClientSampleId :
 MW-5A-112916DL2

Tgt Ion:172 Resp: 111523
 Ion Ratio Lower Upper
 172 100
 171 33.5 29.4 44.0
 170 22.5 19.7 29.5

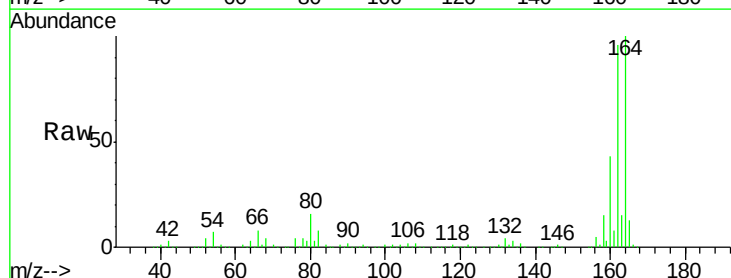


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

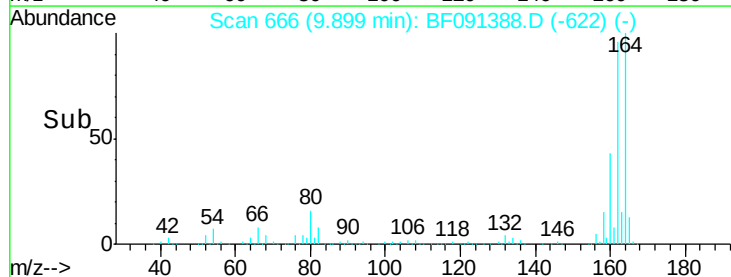
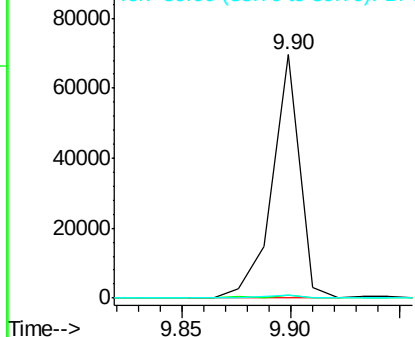


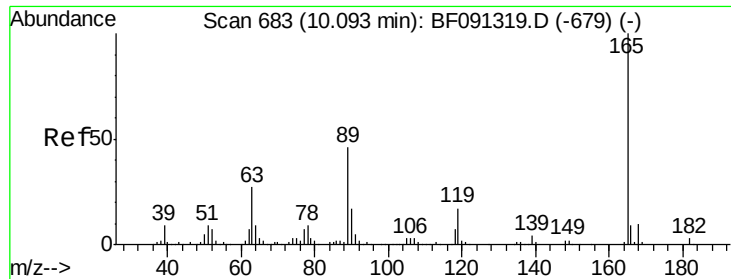
#50
 2,6-Dinitrotoluene
 Concen: 9.93 ng
 RT: 9.90 min Scan# 666
 Delta R.T. 0.20 min
 Lab File: BF091388.D
 Acq: 2 Dec 2016 12:53

Tgt Ion:165 Resp: 61667
 Ion Ratio Lower Upper
 165 100
 63 1.3 59.4 89.0#
 89 1.4 50.8 76.2#



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

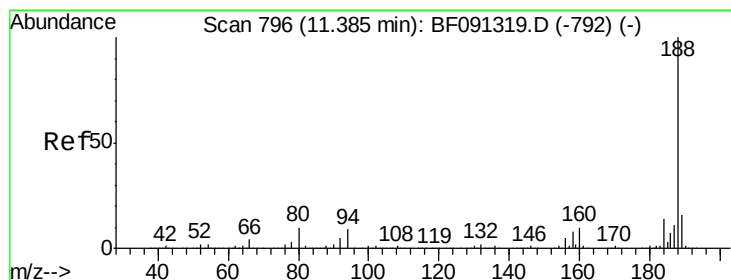
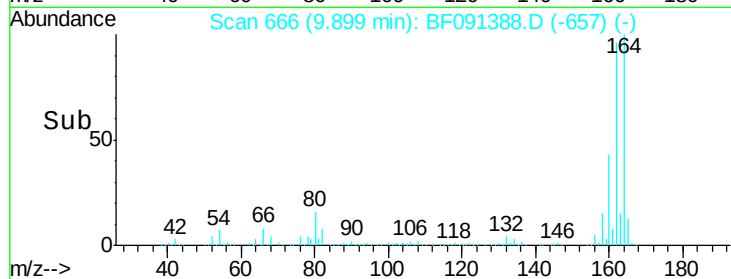
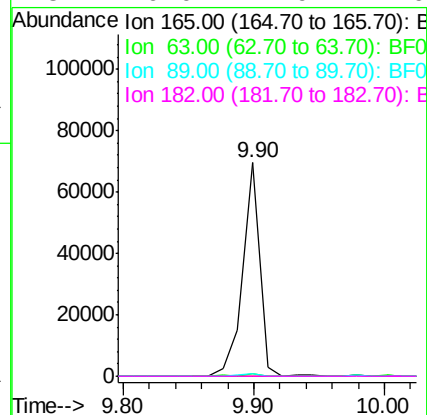
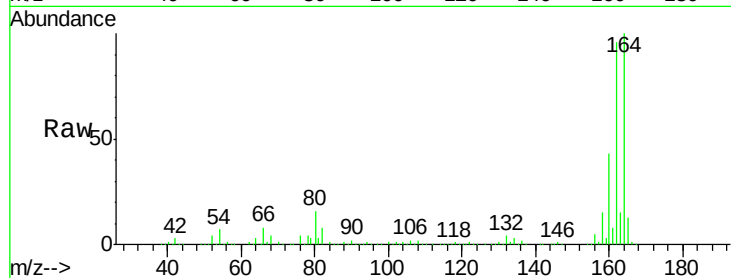




#56
 2,4-Dinitrotoluene
 Concen: 7.73 ng
 RT: 9.90 min Scan# 666
 Delta R.T. -0.20 min
 Lab File: BF091388.D
 Acq: 2 Dec 2016 12:53

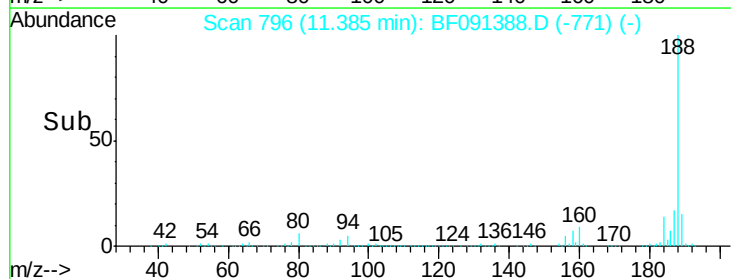
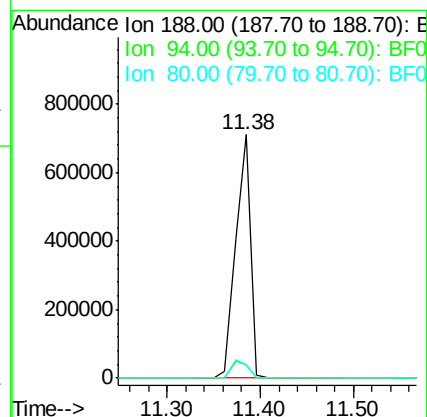
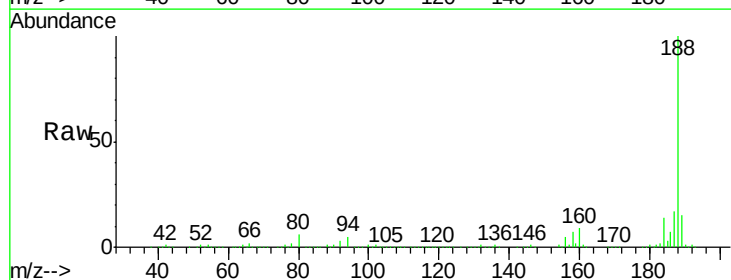
Instrument :
 BNA_F
 ClientSampleID :
 MW-5A-112916DL2

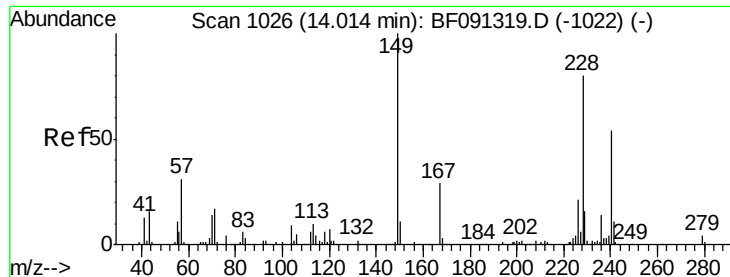
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	29.0	43.4#
89	1.4	43.1	64.7#
182	0.0	1.9	2.9#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.38 min Scan# 796
 Delta R.T. -0.02 min
 Lab File: BF091388.D
 Acq: 2 Dec 2016 12:53

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.4	9.2	13.8#
80	5.7	10.5	15.7#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1026

Delta R.T. -0.03 min

Lab File: BF091388.D

Acq: 2 Dec 2016 12:53

Instrument :

BNA_F

ClientSampleId :

MW-5A-112916DL2

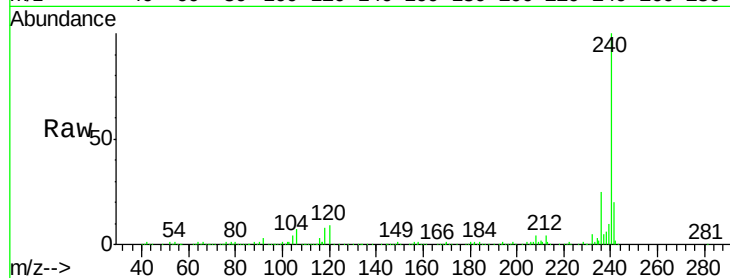
Tgt Ion:240 Resp: 600343

Ion Ratio Lower Upper

240 100

120 9.5 12.1 18.1#

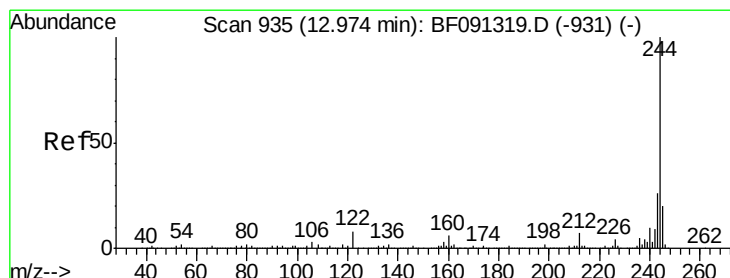
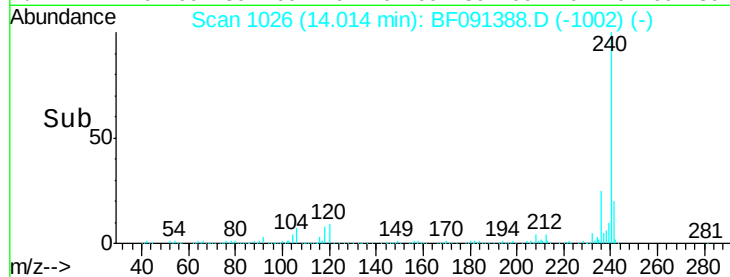
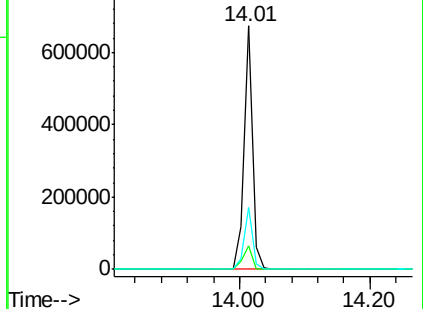
236 25.4 21.0 31.6



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: 4.49 ng

RT: 12.96 min Scan# 934

Delta R.T. -0.03 min

Lab File: BF091388.D

Acq: 2 Dec 2016 12:53

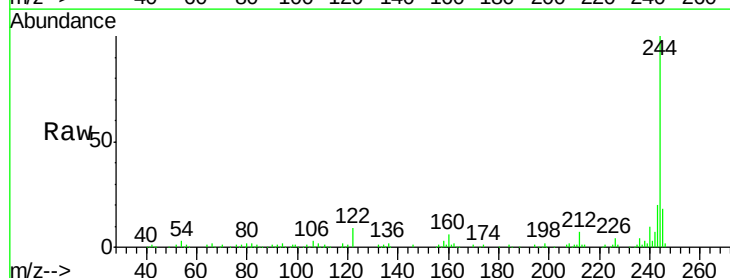
Tgt Ion:244 Resp: 124065

Ion Ratio Lower Upper

244 100

212 6.7 6.5 9.7

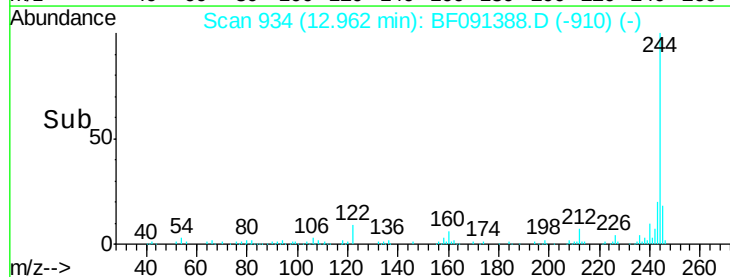
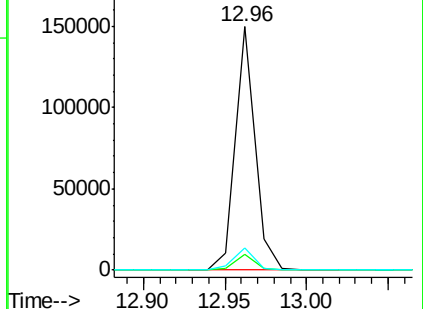
122 9.1 9.5 14.3#

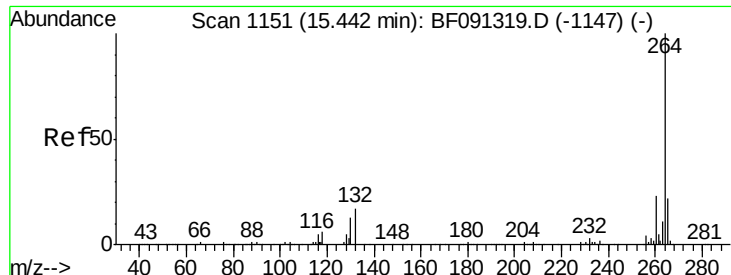


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

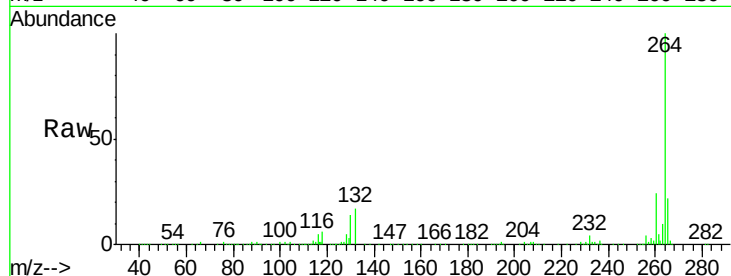




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1151
Delta R.T. -0.03 min
Lab File: BF091388.D
Acq: 2 Dec 2016 12:53

Instrument :
BNA_F
ClientSampleId :
MW-5A-112916DL2

Tgt Ion: 264 Resp: 476354
Ion Ratio Lower Upper
264 100
260 23.7 18.8 28.2
265 22.1 17.0 25.6



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

