

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120616\
 Data File : BF091451.D
 Acq On : 6 Dec 2016 11:33
 Operator : UM/SJ
 Sample : H5825-05
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S12016SF-W-1

Quant Time: Dec 06 23:58:11 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

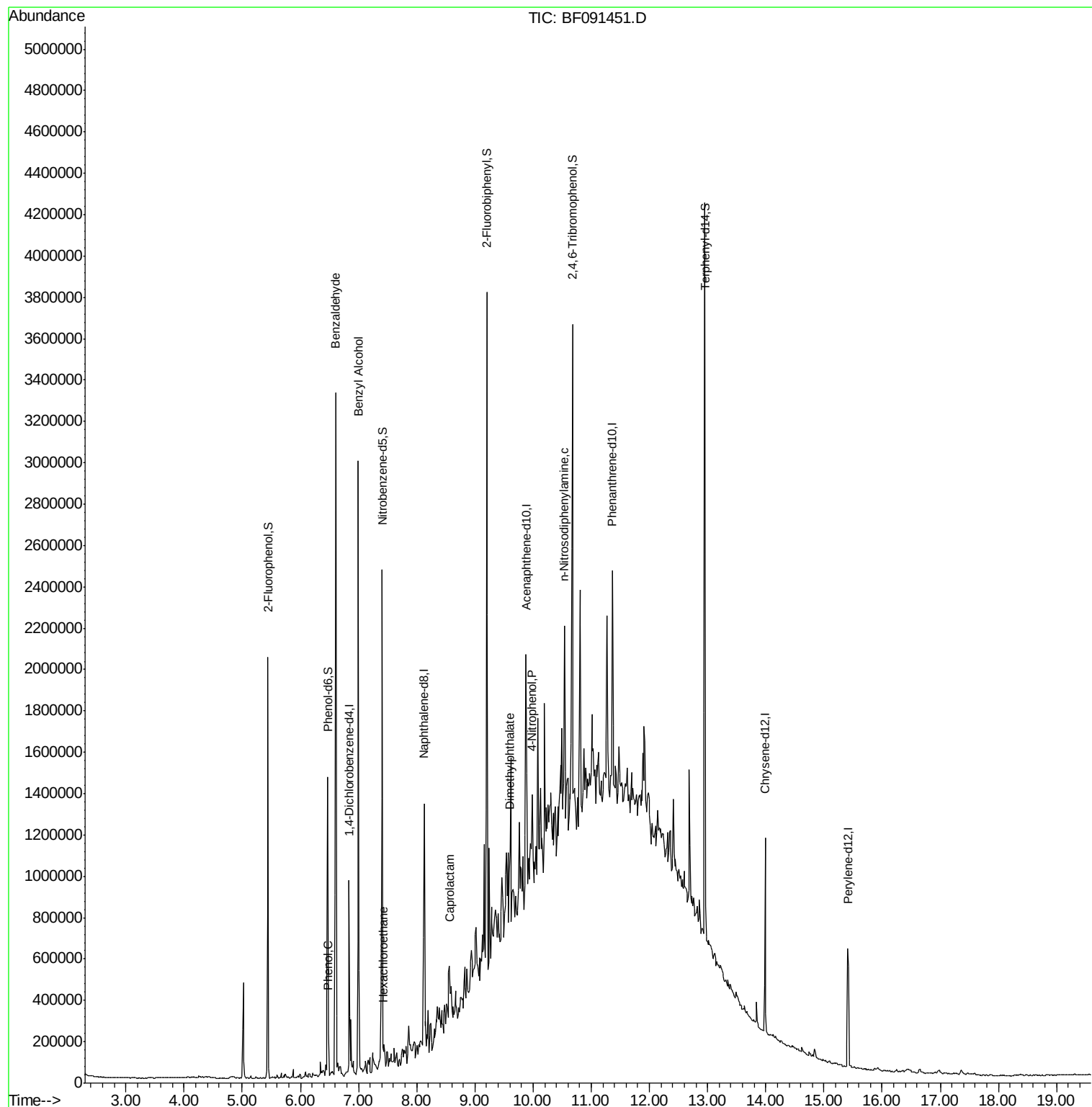
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	131681	20.00	ng	-0.04
21) Naphthalene-d8	8.13	136	541299	20.00	ng	-0.04
38) Acenaphthene-d10	9.88	164	277481	20.00	ng	-0.04
63) Phenanthrene-d10	11.36	188	434141	20.00	ng	-0.04
75) Chrysene-d12	13.99	240	330641	20.00	ng	-0.05
86) Perylene-d12	15.41	264	327650	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	497530	61.72	ng	-0.03
7) Phenol-d6	6.47	99	402077	40.52	ng	-0.03
23) Nitrobenzene-d5	7.41	82	865825	89.64	ng	-0.04
41) 2,4,6-Tribromophenol	10.68	330	363408	138.34	ng	-0.03
44) 2-Fluorobiphenyl	9.20	172	1402659	91.53	ng	-0.04
78) Terphenyl-d14	12.95	244	1140517	74.97	ng	-0.04
Target Compounds						Qvalue
9) Benzaldehyde	6.61	77	20093	3.15	ng	87
10) Phenol	6.48	94	32108	2.75	ng	94
15) Benzyl Alcohol	7.00	79	16678	2.10	ng	# 45
18) Hexachloroethane	7.42	117	13963	4.02	ng	# 30
35) Caprolactam	8.56	113	6555	3.08	ng	# 1
49) Dimethylphthalate	9.60	163	36556	2.18	ng	# 91
55) 4-Nitrophenol	9.98	139	10313	3.28	ng	# 48
65) n-Nitrosodiphenylamine	10.54	169	81703	6.21	ng	# 63

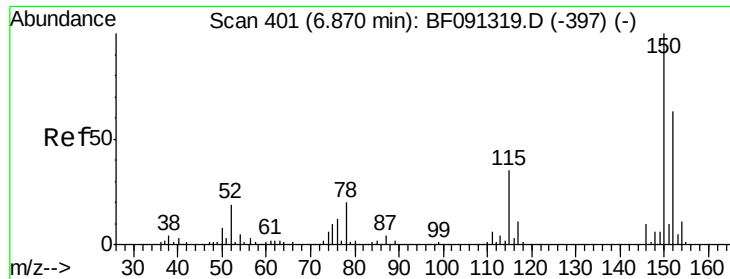
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 398

Delta R.T. -0.04 min

Lab File: BF091451.D

Acq: 6 Dec 2016 11:33

Instrument :

BNA_F

ClientSampleId :

S12016SF-W-1

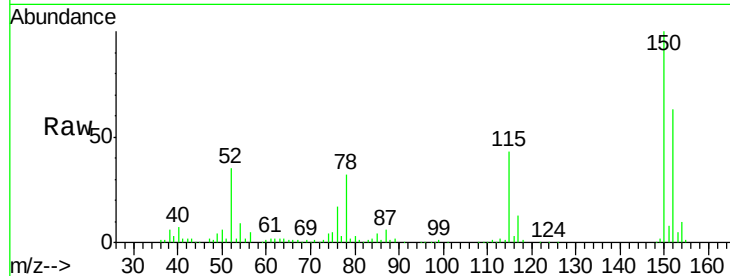
Tgt Ion:152 Resp: 131681

Ion Ratio Lower Upper

152 100

150 158.1 122.5 183.7

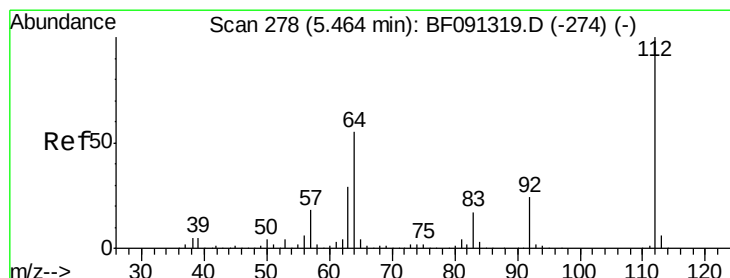
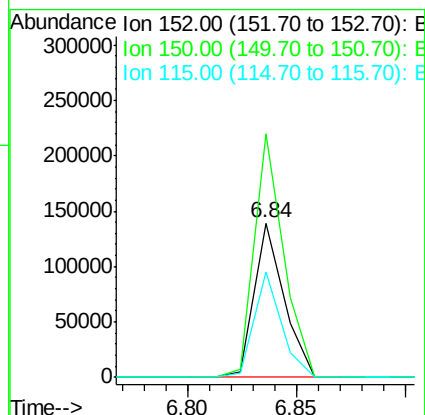
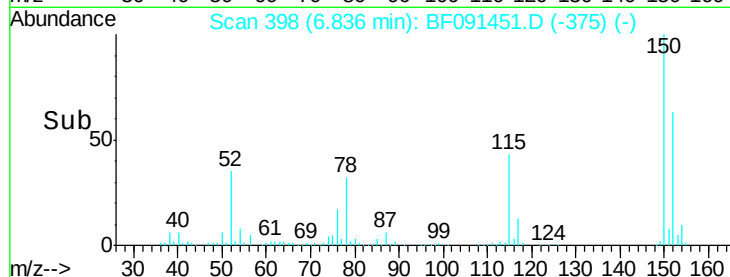
115 68.3 51.8 77.8



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: 61.72 ng

RT: 5.44 min Scan# 276

Delta R.T. -0.03 min

Lab File: BF091451.D

Acq: 6 Dec 2016 11:33

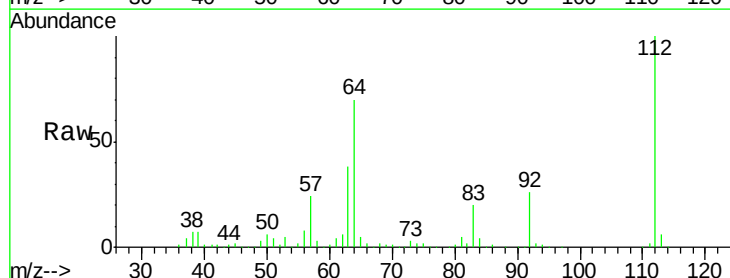
Tgt Ion:112 Resp: 497530

Ion Ratio Lower Upper

112 100

64 70.3 61.5 92.3

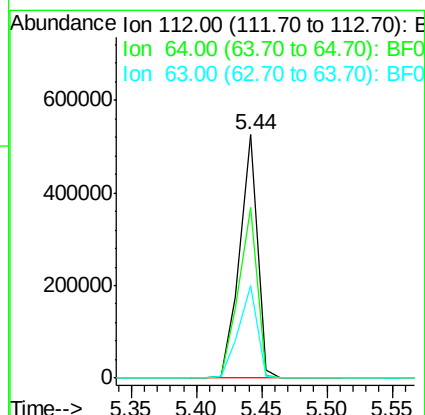
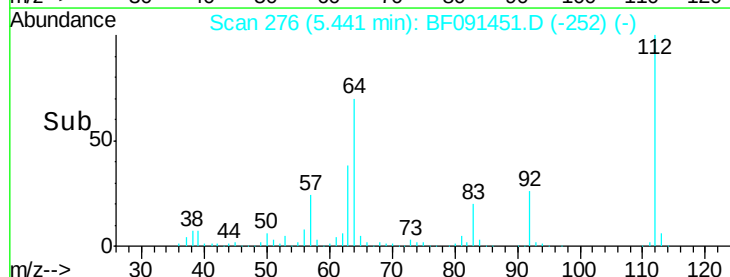
63 38.1 33.3 49.9

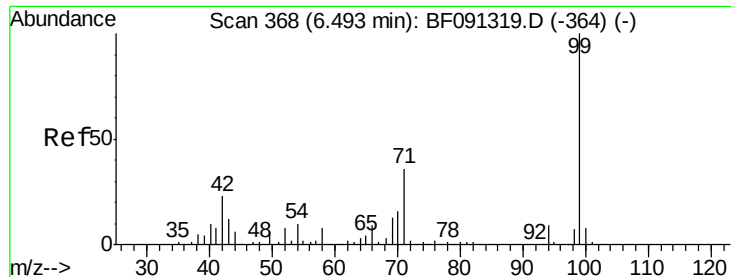


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 40.52 ng

RT: 6.47 min Scan# 366

Delta R.T. -0.03 min

Lab File: BF091451.D

Acq: 6 Dec 2016 11:33

Instrument :

BNA_F

ClientSampleId :

S12016SF-W-1

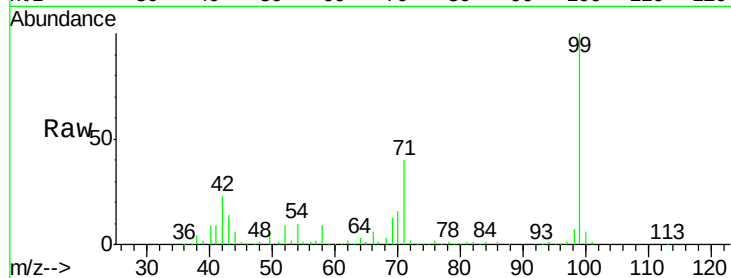
Tgt Ion: 99 Resp: 402077

Ion Ratio Lower Upper

99 100

42 23.2 20.6 31.0

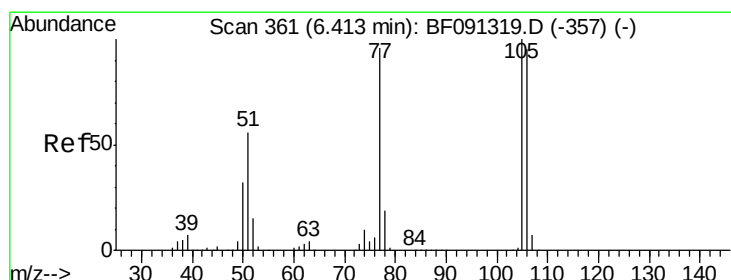
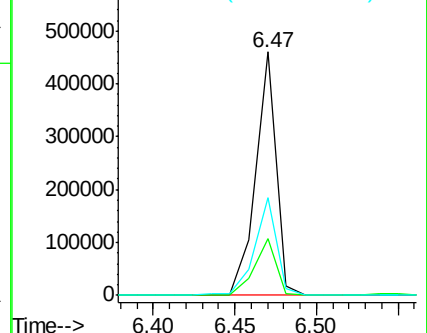
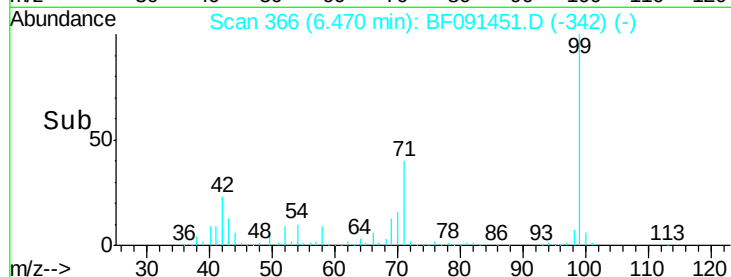
71 40.3 29.9 44.9



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: 3.15 ng

RT: 6.61 min Scan# 378

Delta R.T. 0.19 min

Lab File: BF091451.D

Acq: 6 Dec 2016 11:33

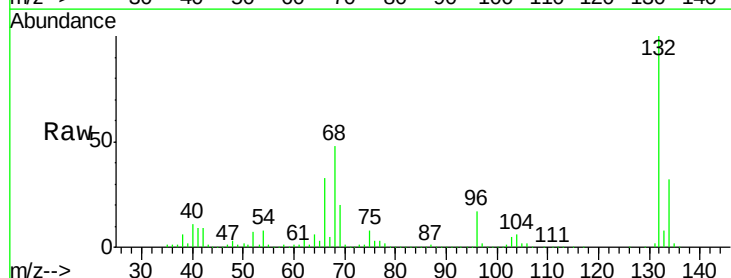
Tgt Ion: 77 Resp: 20093

Ion Ratio Lower Upper

77 100

105 76.0 66.4 106.4

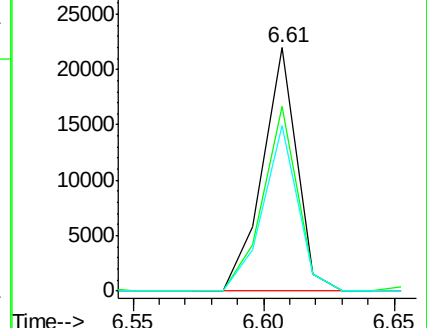
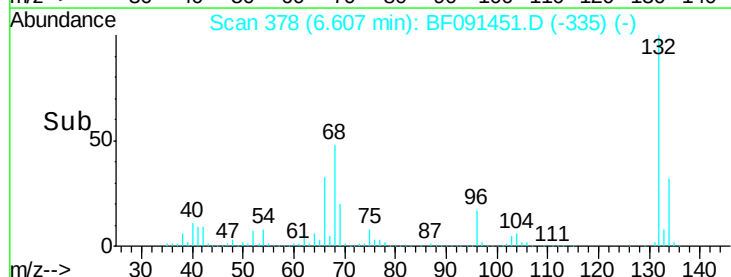
106 67.9 60.9 100.9

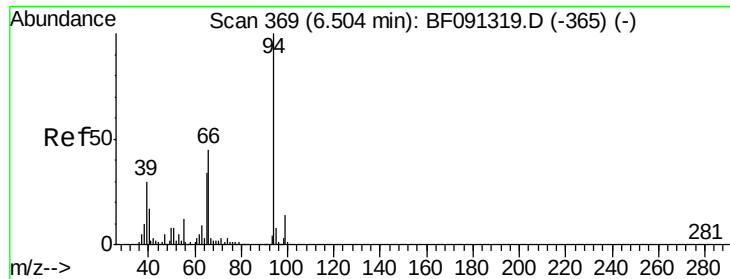


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 2.75 ng

RT: 6.48 min Scan# 367

Delta R.T. -0.04 min

Lab File: BF091451.D

Acq: 6 Dec 2016 11:33

Instrument :

BNA_F

ClientSampleId :

S12016SF-W-1

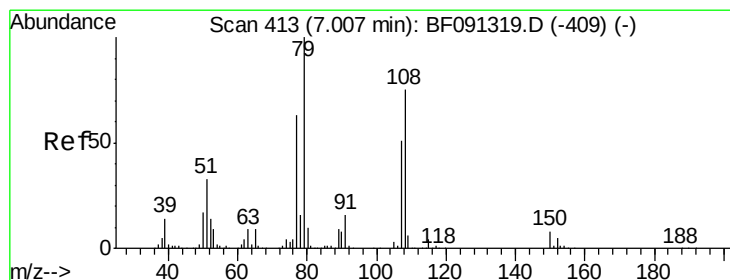
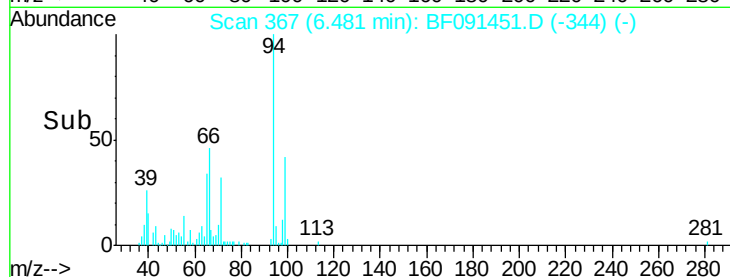
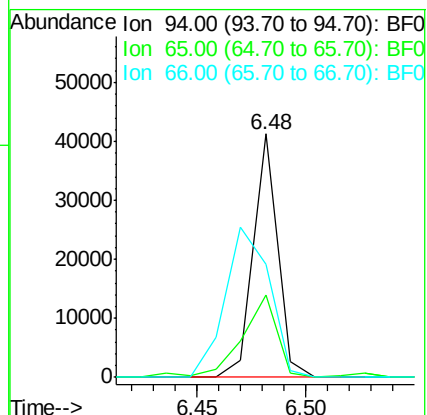
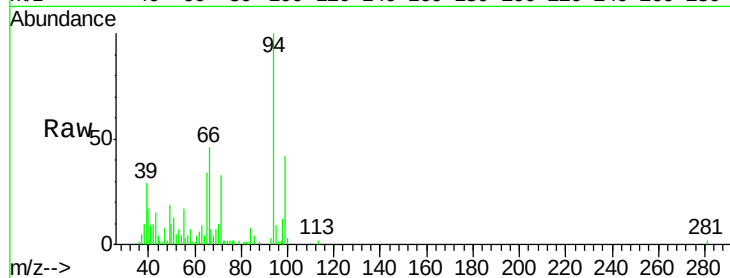
Tgt Ion: 94 Resp: 32108

Ion Ratio Lower Upper

94 100

65 33.9 16.9 56.9

66 46.3 30.6 70.6



#15

Benzyl Alcohol

Concen: 2.10 ng

RT: 7.00 min Scan# 412

Delta R.T. -0.03 min

Lab File: BF091451.D

Acq: 6 Dec 2016 11:33

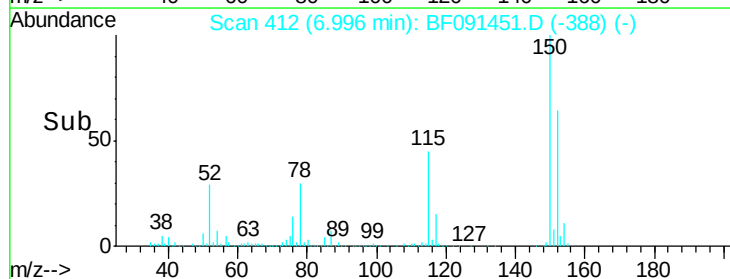
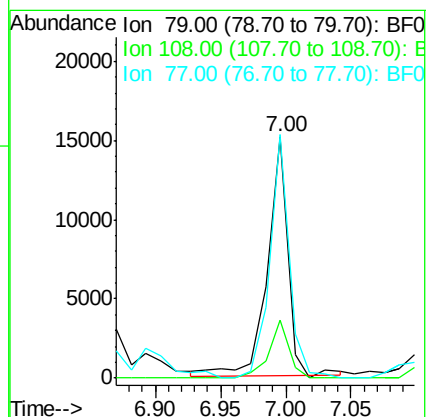
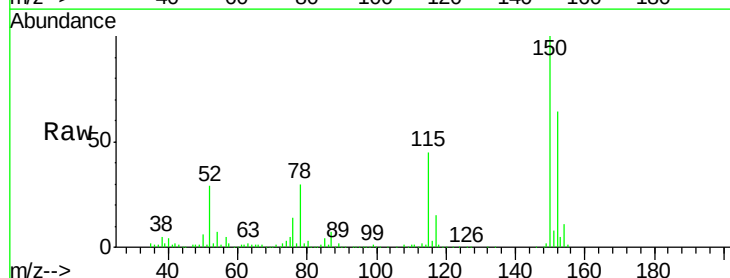
Tgt Ion: 79 Resp: 16678

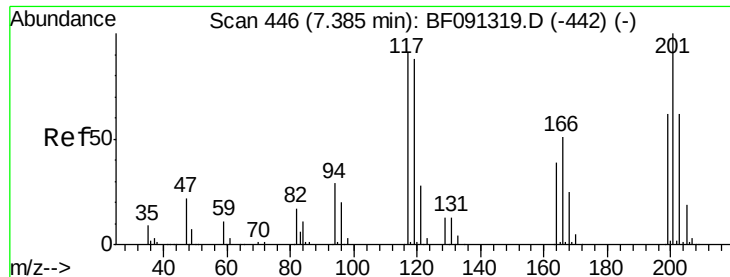
Ion Ratio Lower Upper

79 100

108 23.8 62.7 94.1#

77 100.9 51.7 77.5#

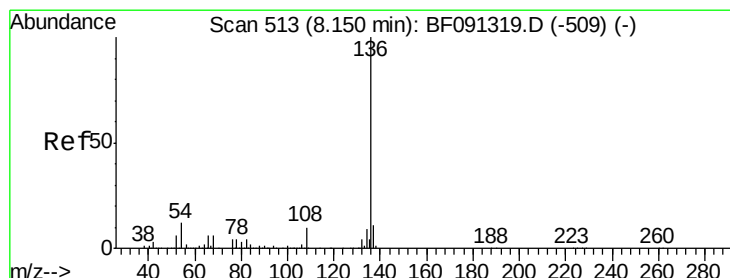
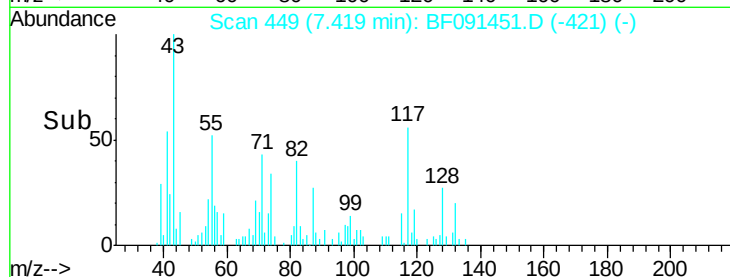
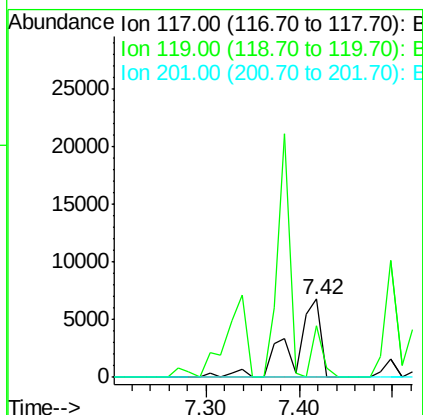
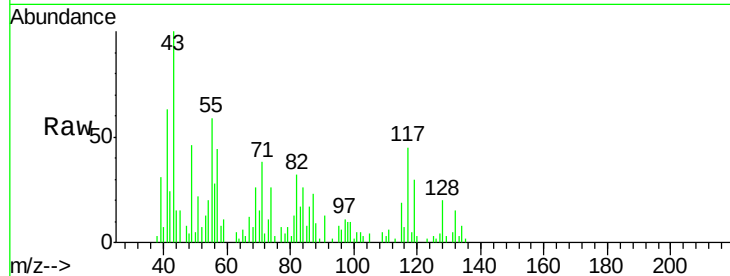




#18
Hexachloroethane
Concen: 4.02 ng
RT: 7.42 min Scan# 449
Delta R.T. 0.02 min
Lab File: BF091451.D
Acq: 6 Dec 2016 11:33

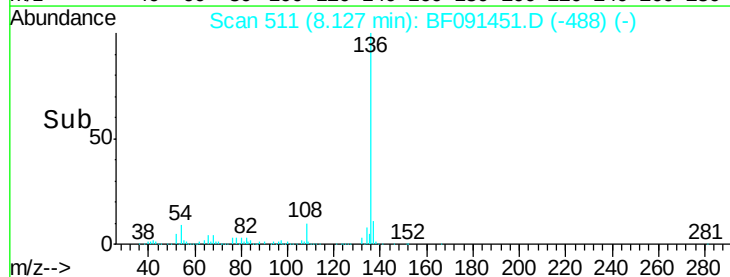
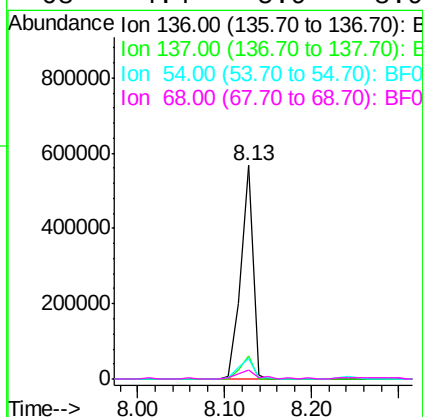
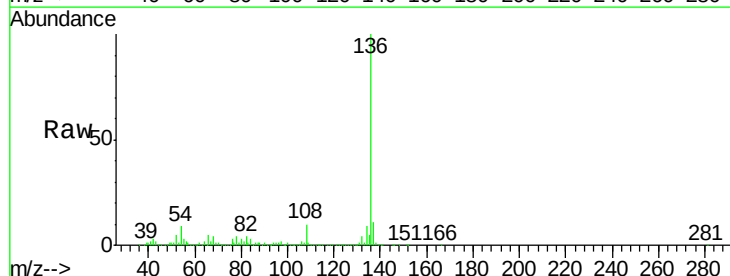
Instrument :
BNA_F
ClientSampleId :
S12016SF-W-1

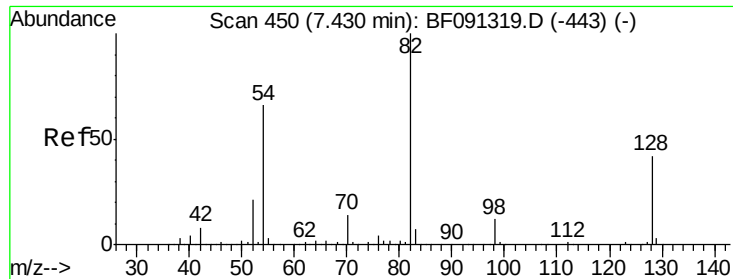
Tgt Ion:117 Resp: 13963
Ion Ratio Lower Upper
117 100
119 66.0 78.6 118.0#
201 0.0 86.7 130.1#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 511
Delta R.T. -0.04 min
Lab File: BF091451.D
Acq: 6 Dec 2016 11:33

Tgt Ion:136 Resp: 541299
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 9.4 9.1 13.7
68 4.4 5.9 8.9#

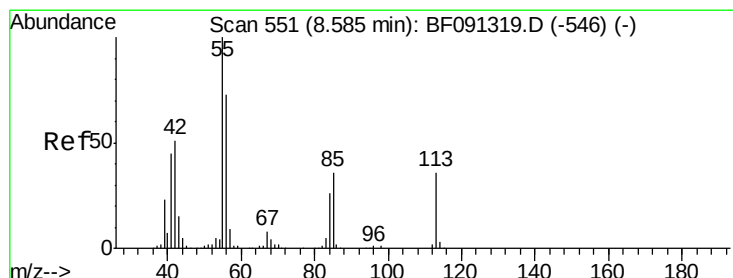
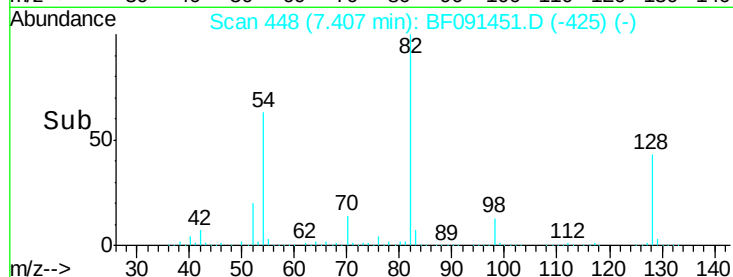
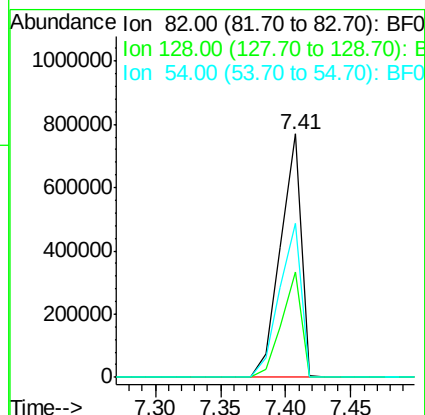
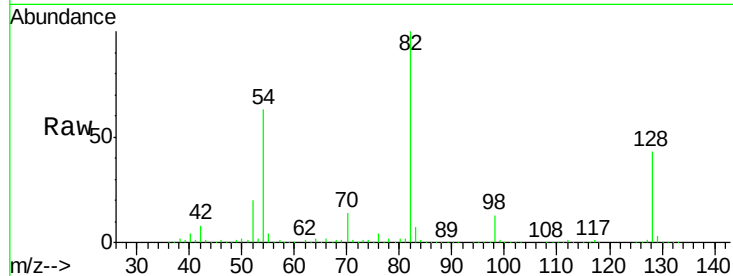




#23
Nitrobenzene-d5
Concen: 89.64 ng
RT: 7.41 min Scan# 448
Delta R.T. -0.04 min
Lab File: BF091451.D
Acq: 6 Dec 2016 11:33

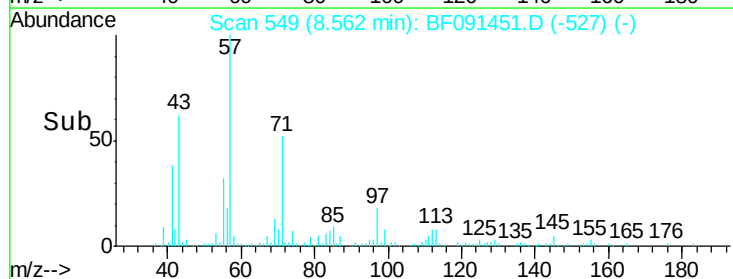
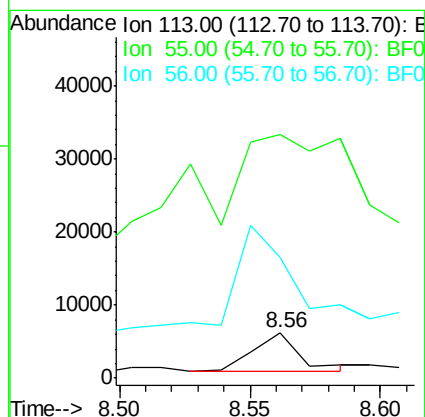
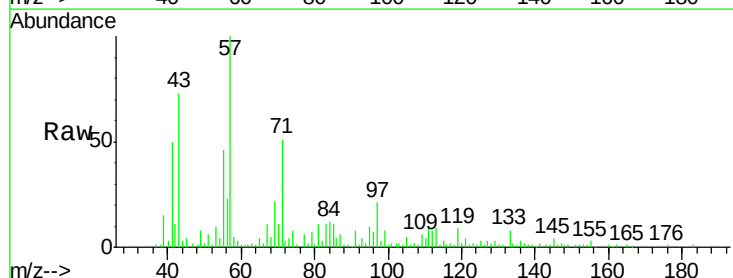
Instrument :
BNA_F
ClientSampleId :
S12016SF-W-1

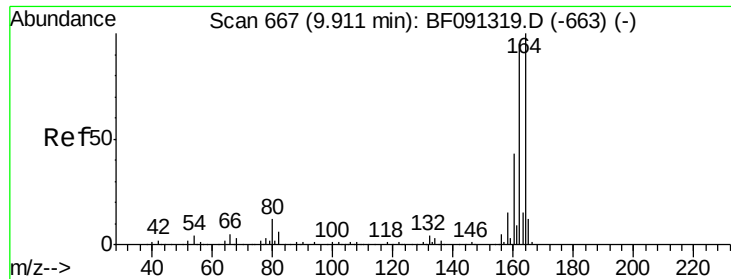
Tgt Ion: 82 Resp: 865825
Ion Ratio Lower Upper
82 100
128 43.3 31.8 47.6
54 63.2 49.1 73.7



#35
Caprolactam
Concen: 3.08 ng
RT: 8.56 min Scan# 549
Delta R.T. -0.05 min
Lab File: BF091451.D
Acq: 6 Dec 2016 11:33

Tgt Ion: 113 Resp: 6555
Ion Ratio Lower Upper
113 100
55 531.3 239.8 279.8#
56 263.3 165.6 205.6#

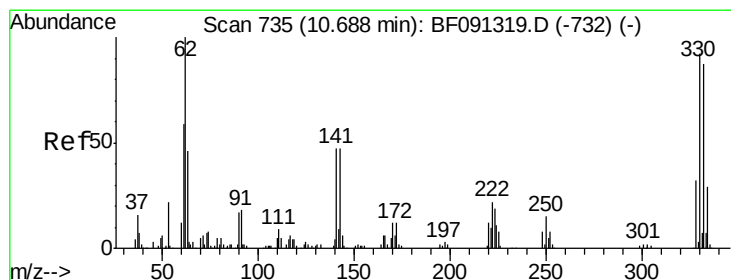
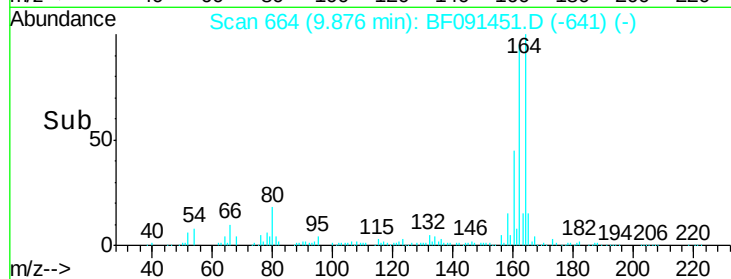
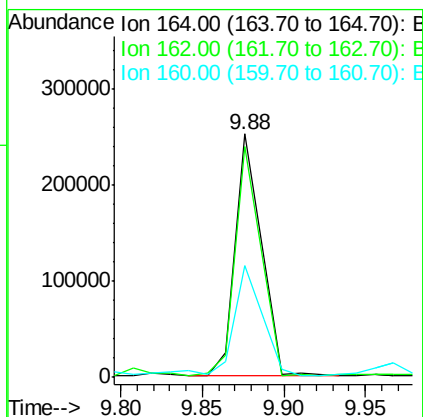
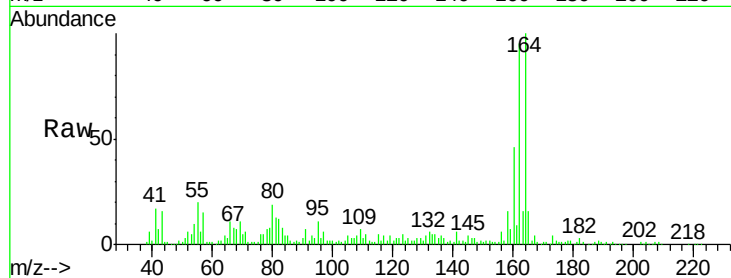




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 664
Delta R.T. -0.04 min
Lab File: BF091451.D
Acq: 6 Dec 2016 11:33

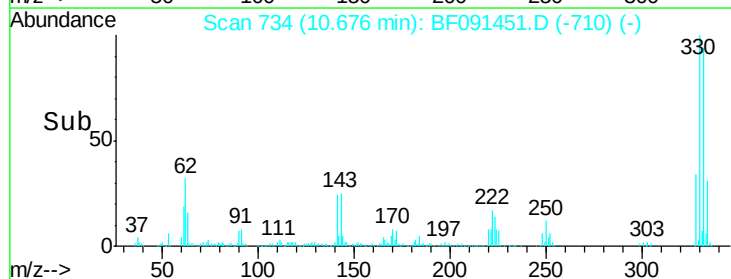
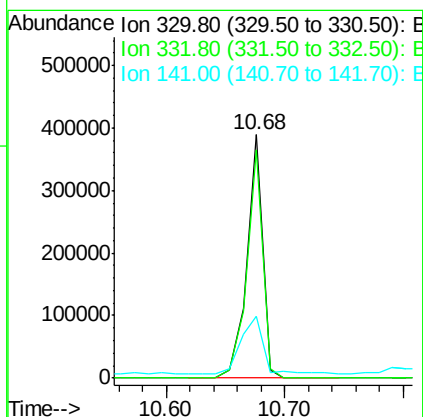
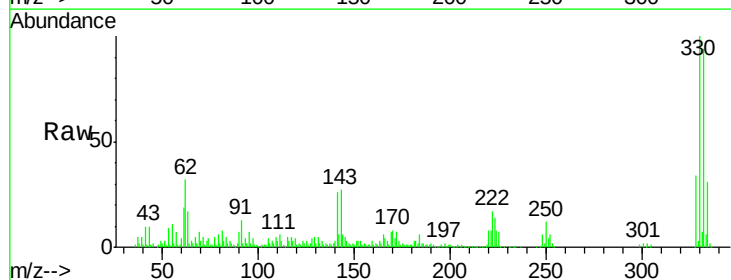
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S12016SF-W-1

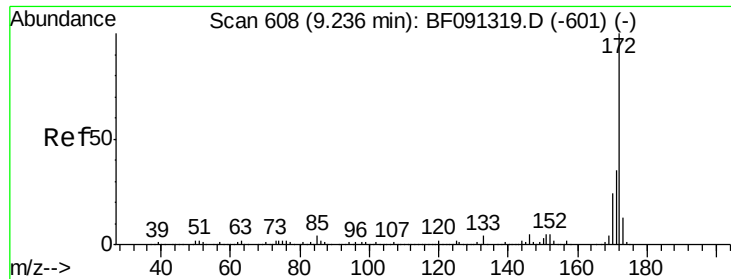
Tgt Ion:164 Resp: 277481
Ion Ratio Lower Upper
164 100
162 94.7 82.6 124.0
160 45.7 36.7 55.1



#41
2,4,6-Tribromophenol
Concen: 138.34 ng
RT: 10.68 min Scan# 734
Delta R.T. -0.03 min
Lab File: BF091451.D
Acq: 6 Dec 2016 11:33

Tgt Ion:330 Resp: 363408
Ion Ratio Lower Upper
330 100
332 94.9 76.2 114.4
141 34.4 33.6 50.4

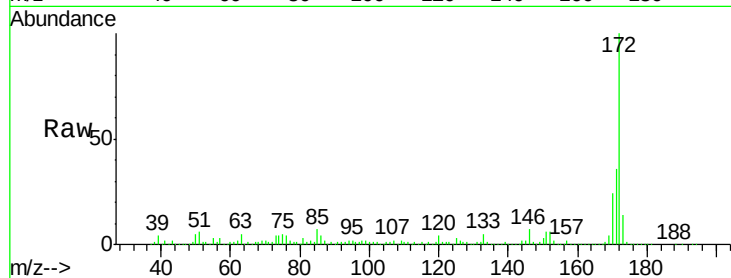




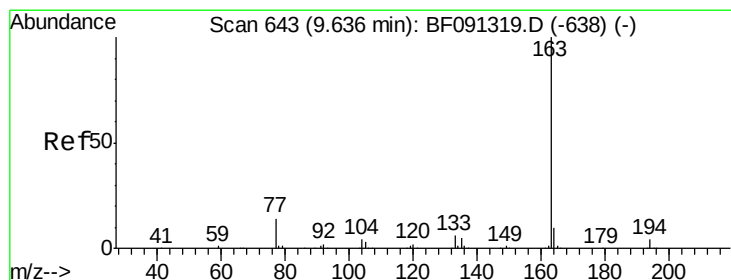
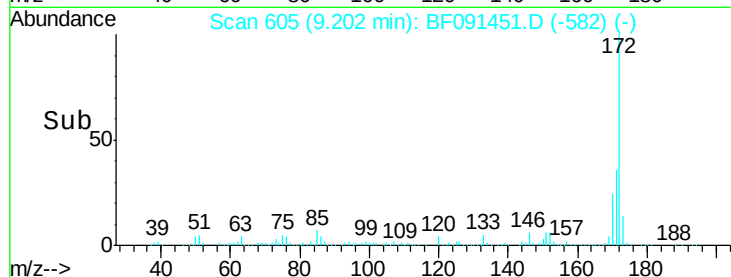
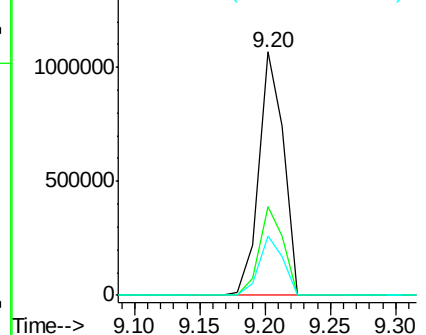
#44
 2-Fluorobiphenyl
 Concen: 91.53 ng
 RT: 9.20 min Scan# 605
 Delta R.T. -0.04 min
 Lab File: BF091451.D
 Acq: 6 Dec 2016 11:33

Instrument :
 BNA_F
 ClientSampleId :
 S12016SF-W-1

Tgt Ion:172 Resp: 1402659
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.4 44.0
 170 24.5 19.7 29.5

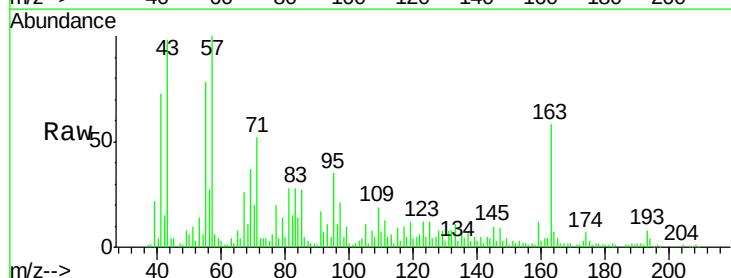


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

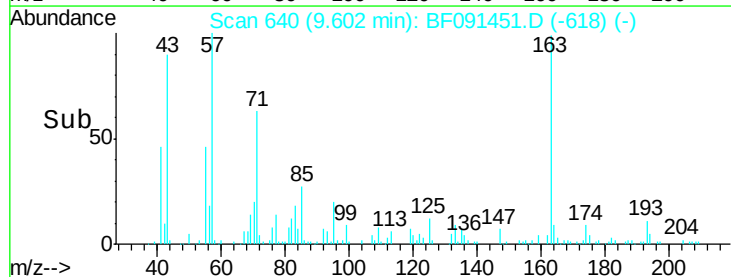
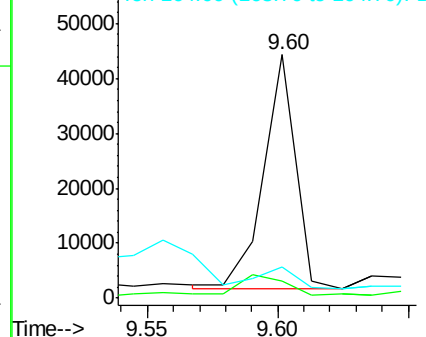


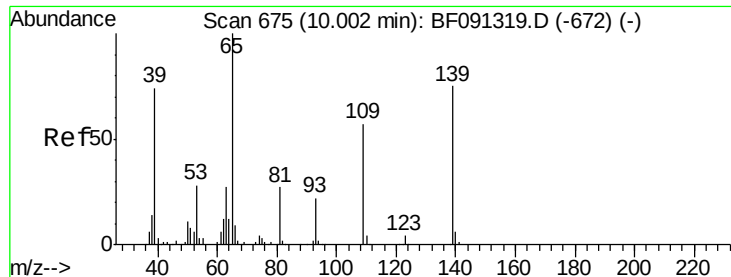
#49
 Dimethylphthalate
 Concen: 2.18 ng
 RT: 9.60 min Scan# 640
 Delta R.T. -0.05 min
 Lab File: BF091451.D
 Acq: 6 Dec 2016 11:33

Tgt Ion:163 Resp: 36556
 Ion Ratio Lower Upper
 163 100
 194 7.1 3.0 4.4#
 164 12.9 7.8 11.8#



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

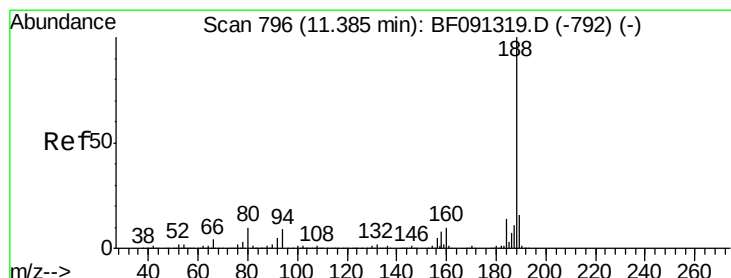
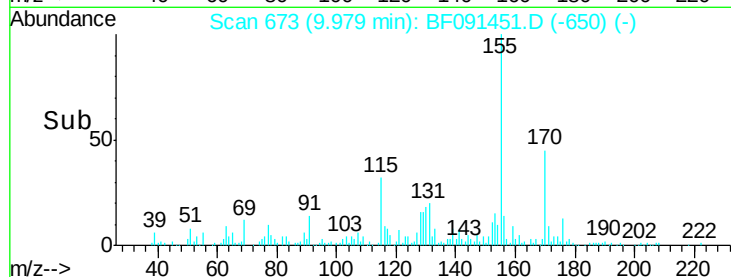
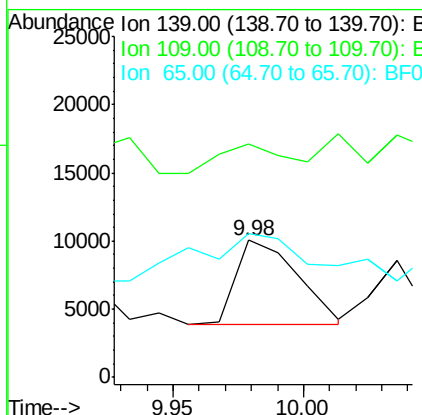
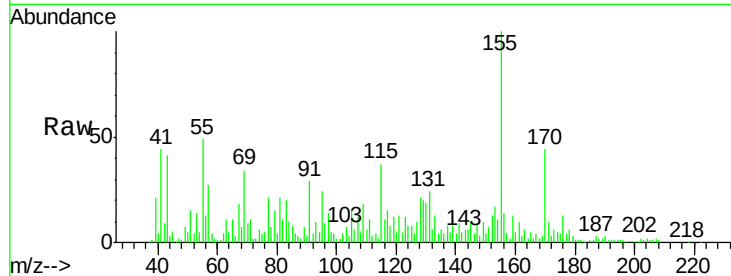




#55
4-Nitrophenol
Concen: 3.28 ng
RT: 9.98 min Scan# 673
Delta R.T. -0.04 min
Lab File: BF091451.D
Acq: 6 Dec 2016 11:33

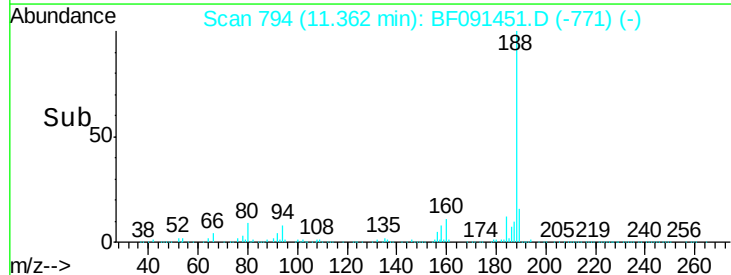
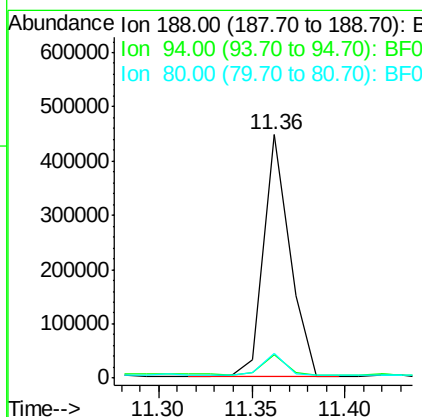
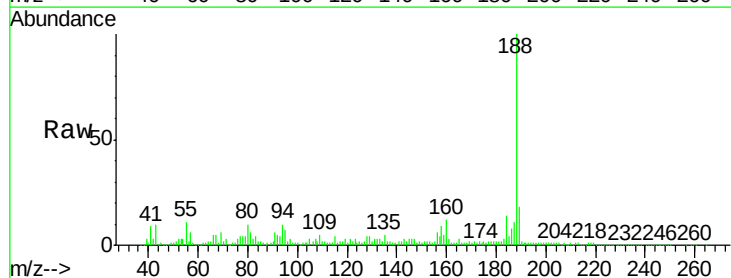
Instrument :
BNA_F
ClientSampleId :
S12016SF-W-1

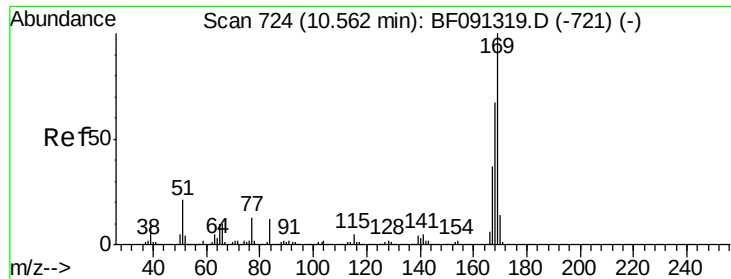
Tgt Ion:139 Resp: 10313
Ion Ratio Lower Upper
139 100
109 170.0 54.9 94.9#
65 104.9 102.2 142.2



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 794
Delta R.T. -0.04 min
Lab File: BF091451.D
Acq: 6 Dec 2016 11:33

Tgt Ion:188 Resp: 434141
Ion Ratio Lower Upper
188 100
94 9.7 9.2 13.8
80 10.3 10.5 15.7#





#65

n-Nitrosodiphenylamine

Concen: 6.21 ng

RT: 10.54 min Scan# 722

Delta R.T. -0.04 min

Lab File: BF091451.D

Acq: 6 Dec 2016 11:33

Instrument :

BNA_F

ClientSampleId :

S12016SF-W-1

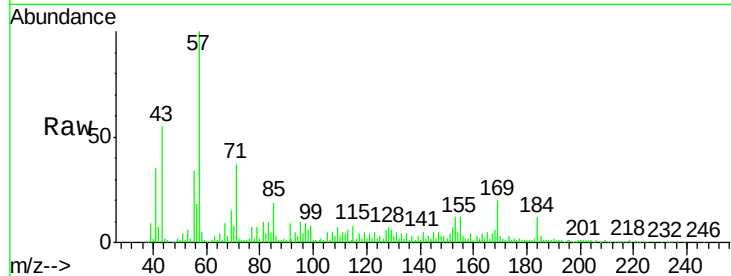
Tgt Ion:169 Resp: 81703

Ion Ratio Lower Upper

169 100

168 33.3 53.8 80.8#

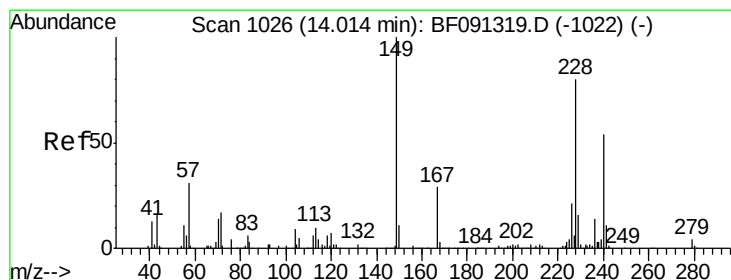
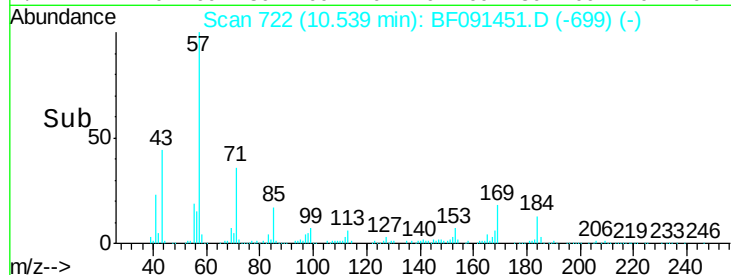
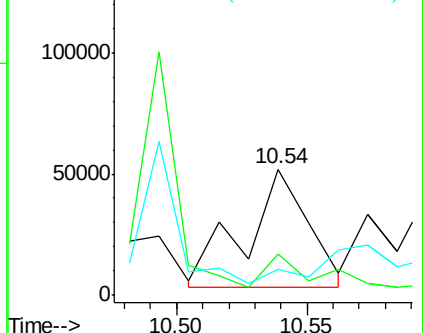
167 20.8 29.8 44.8#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1024

Delta R.T. -0.05 min

Lab File: BF091451.D

Acq: 6 Dec 2016 11:33

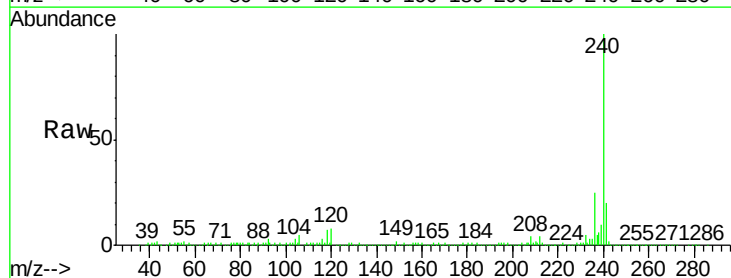
Tgt Ion:240 Resp: 330641

Ion Ratio Lower Upper

240 100

120 8.2 12.1 18.1#

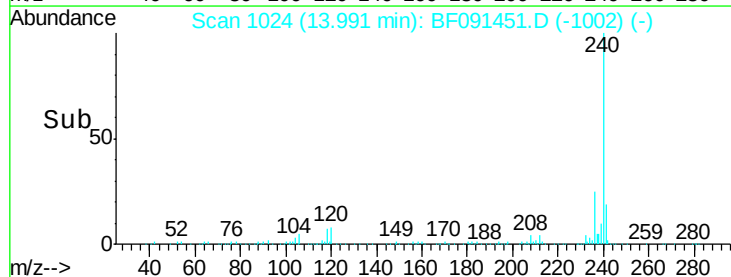
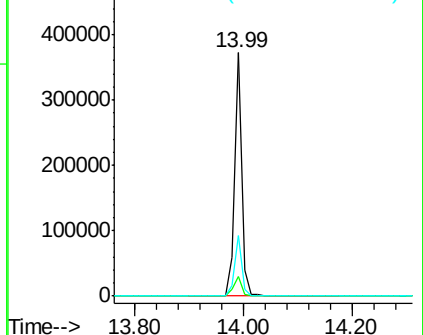
236 25.0 21.0 31.6

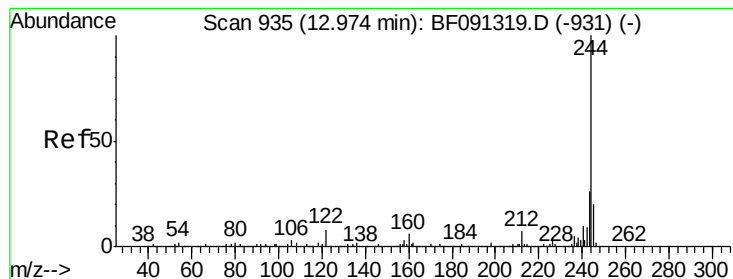


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 74.97 ng

RT: 12.95 min Scan# 933

Delta R.T. -0.04 min

Lab File: BF091451.D

Acq: 6 Dec 2016 11:33

Instrument :

BNA_F

ClientSampleId :

S12016SF-W-1

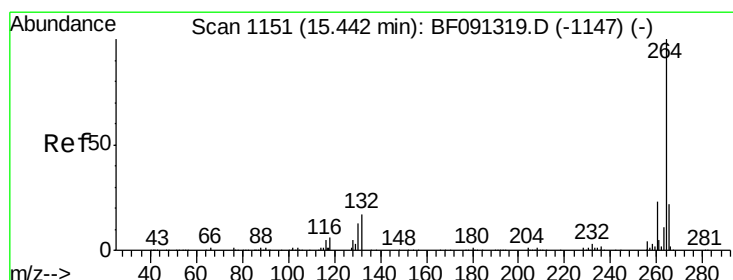
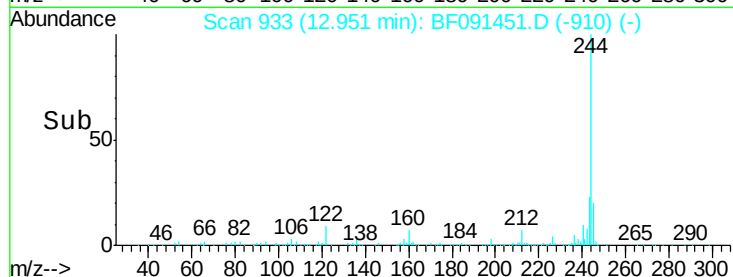
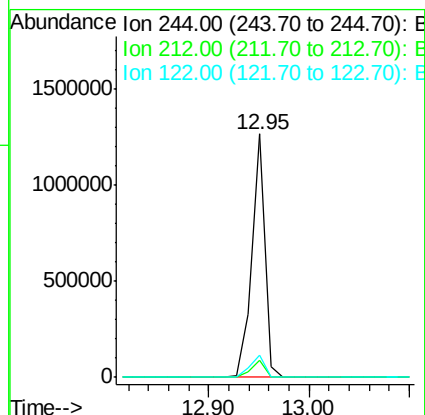
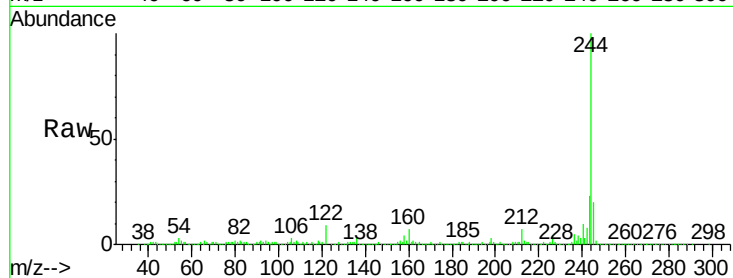
Tgt Ion:244 Resp: 1140517

Ion Ratio Lower Upper

244 100

212 7.3 6.5 9.7

122 9.0 9.5 14.3#



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.41 min Scan# 1148

Delta R.T. -0.06 min

Lab File: BF091451.D

Acq: 6 Dec 2016 11:33

Tgt Ion:264 Resp: 327650

Ion Ratio Lower Upper

264 100

260 23.2 18.8 28.2

265 21.5 17.0 25.6

