

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120516\
 Data File : BF091440.D
 Acq On : 6 Dec 2016 1:31
 Operator : UM/SJ
 Sample : H5825-05
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S12016SF-W-1

Quant Time: Dec 06 03:55:52 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 06 00:16:00 2016
 Response via : Initial Calibration

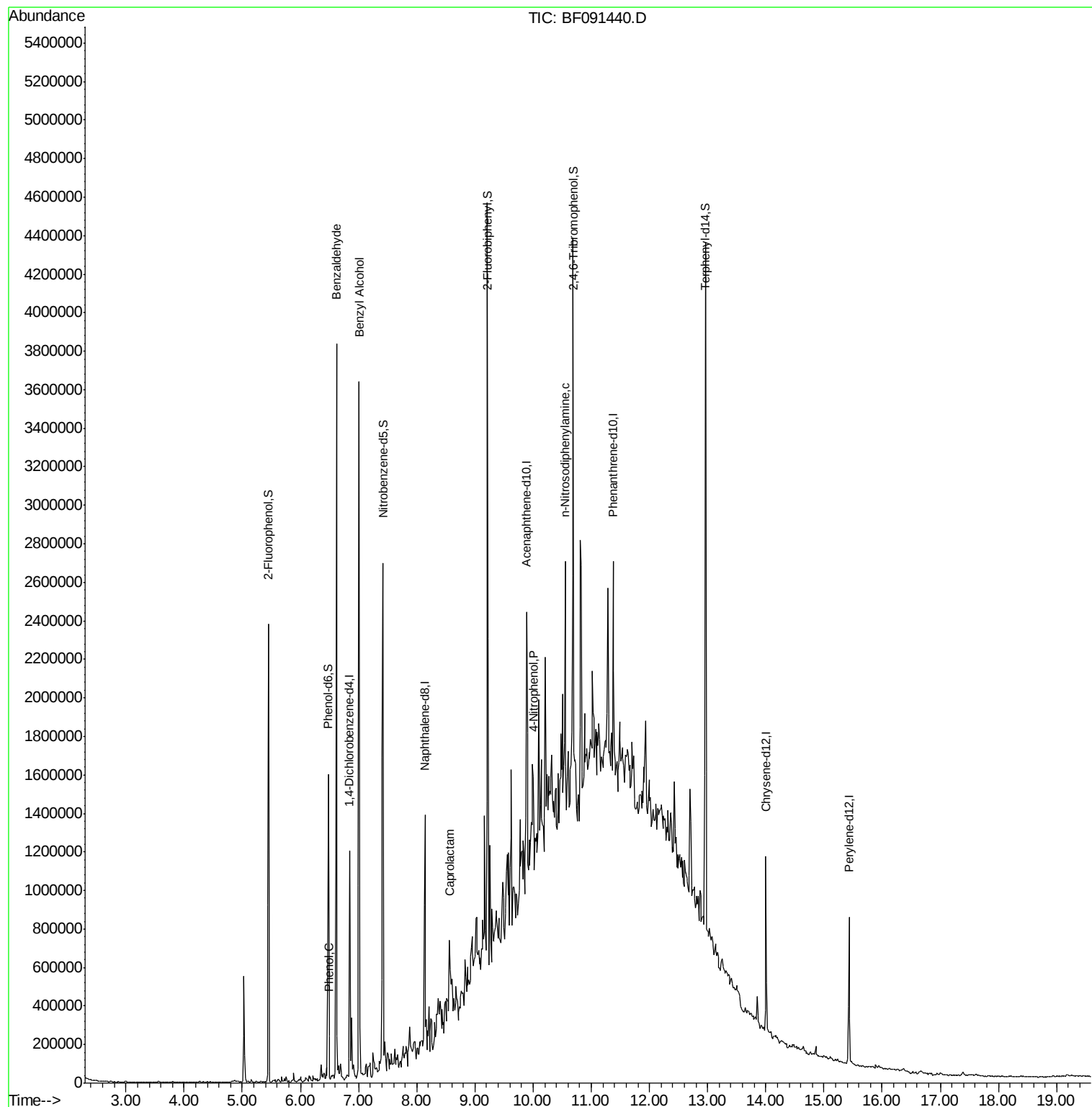
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	150871	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	614189	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	327463	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	478810	20.00	ng	0.00
75) Chrysene-d12	14.00	240	338335	20.00	ng	0.00
86) Perylene-d12	15.43	264	355653	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	572810	62.02	ng	0.01
7) Phenol-d6	6.48	99	460925	40.54	ng	0.00
23) Nitrobenzene-d5	7.42	82	1016734	92.77	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	369548	119.20	ng	0.01
44) 2-Fluorobiphenyl	9.21	172	1570896	86.86	ng	0.00
78) Terphenyl-d14	12.96	244	1225045	78.70	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.62	77	24445	3.34	ng	85
10) Phenol	6.49	94	37023	2.77	ng	91
15) Benzyl Alcohol	7.01	79	18904	2.08	ng	# 41
35) Caprolactam	8.56	113	9237	3.82	ng	# 1
55) 4-Nitrophenol	10.00	139	11436	3.09	ng	# 42
65) n-Nitrosodiphenylamine	10.55	169	94946	6.54	ng	# 63

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

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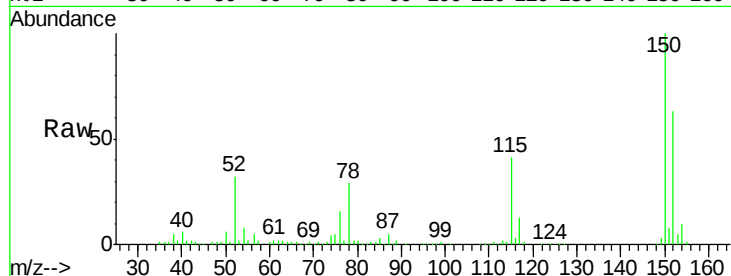




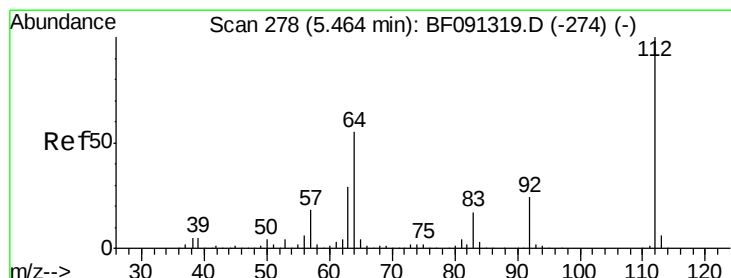
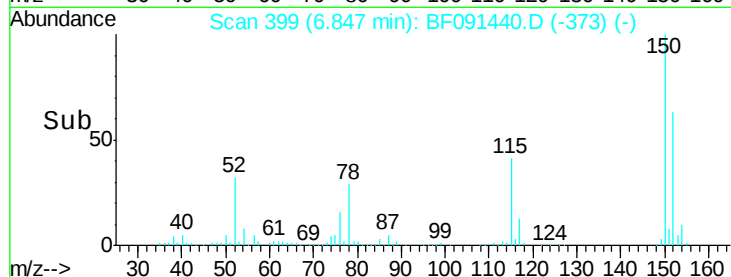
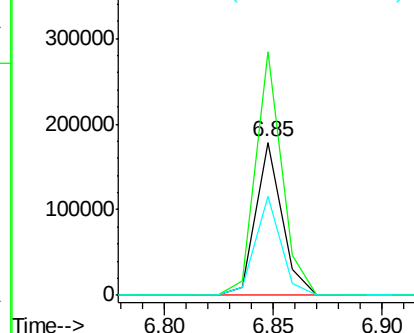
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.85 min Scan# 399
 Delta R.T. -0.00 min
 Lab File: BF091440.D
 Acq: 6 Dec 2016 1:31

Instrument :
 BNA_F
 ClientSampleId :
 S12016SF-W-1

Tgt Ion:152 Resp: 150871
 Ion Ratio Lower Upper
 152 100
 150 158.8 122.5 183.7
 115 64.9 51.8 77.8

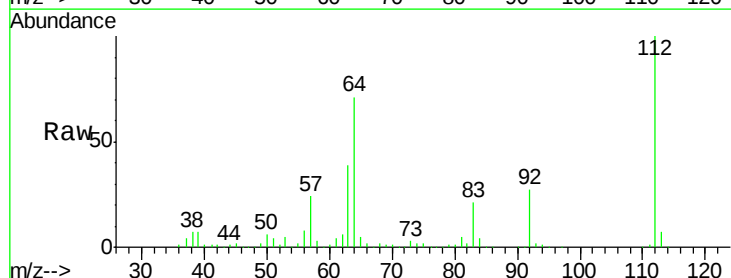


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

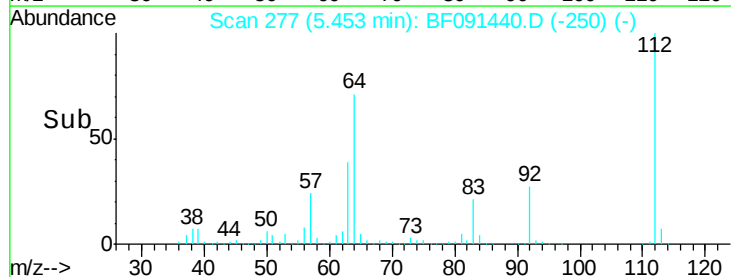
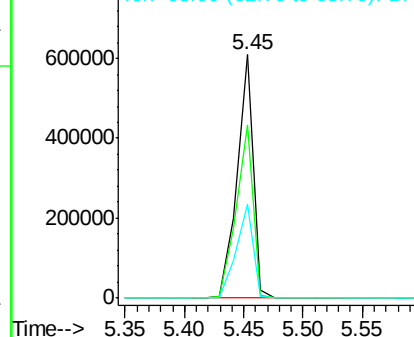


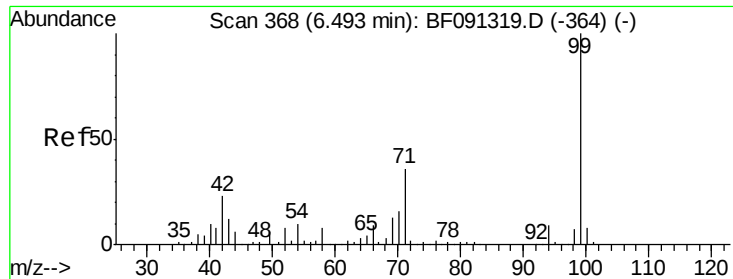
#5
 2-Fluorophenol
 Concen: 62.02 ng
 RT: 5.45 min Scan# 277
 Delta R.T. 0.01 min
 Lab File: BF091440.D
 Acq: 6 Dec 2016 1:31

Tgt Ion:112 Resp: 572810
 Ion Ratio Lower Upper
 112 100
 64 71.4 61.5 92.3
 63 38.6 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: 40.54 ng

RT: 6.48 min Scan# 367

Delta R.T. -0.00 min

Lab File: BF091440.D

Acq: 6 Dec 2016 1:31

Instrument :

BNA_F

ClientSampleId :

S12016SF-W-1

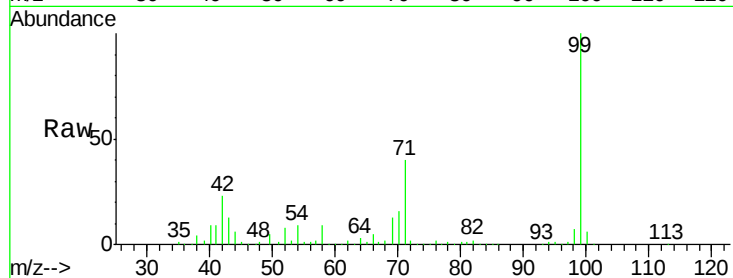
Tgt Ion: 99 Resp: 460925

Ion Ratio Lower Upper

99 100

42 23.0 20.6 31.0

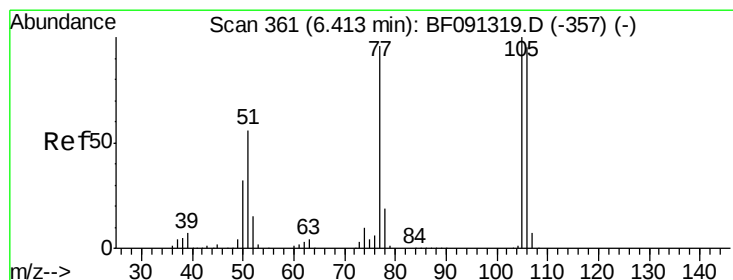
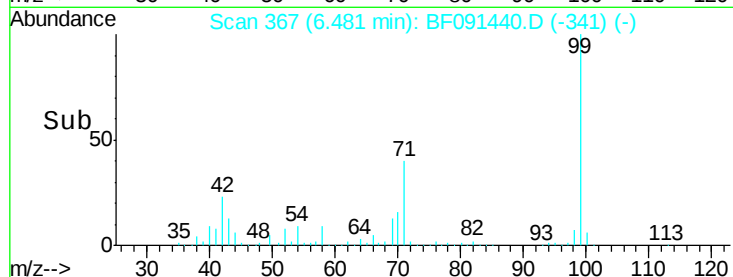
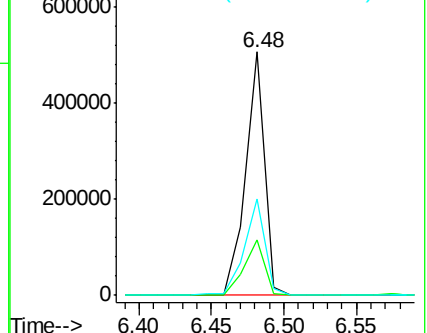
71 39.8 29.9 44.9



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: 3.34 ng

RT: 6.62 min Scan# 379

Delta R.T. 0.23 min

Lab File: BF091440.D

Acq: 6 Dec 2016 1:31

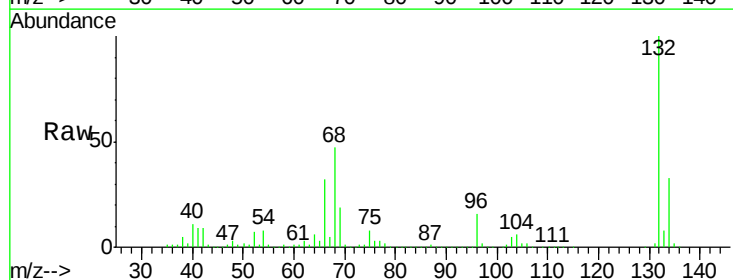
Tgt Ion: 77 Resp: 24445

Ion Ratio Lower Upper

77 100

105 74.6 66.4 106.4

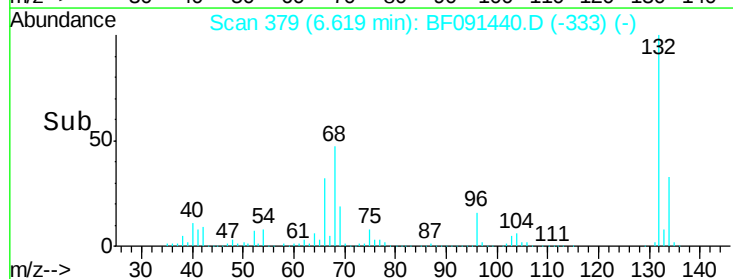
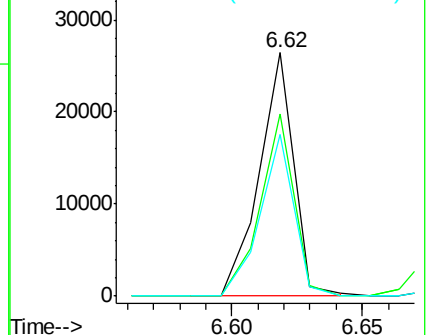
106 66.4 60.9 100.9

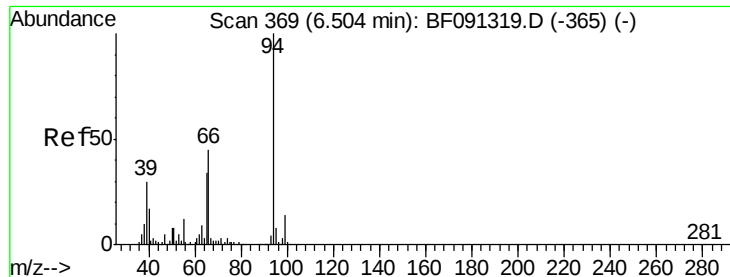


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#10

Phenol

Concen: 2.77 ng

RT: 6.49 min Scan# 368

Delta R.T. -0.00 min

Lab File: BF091440.D

Acq: 6 Dec 2016 1:31

Instrument :

BNA_F

ClientSampleId :

S12016SF-W-1

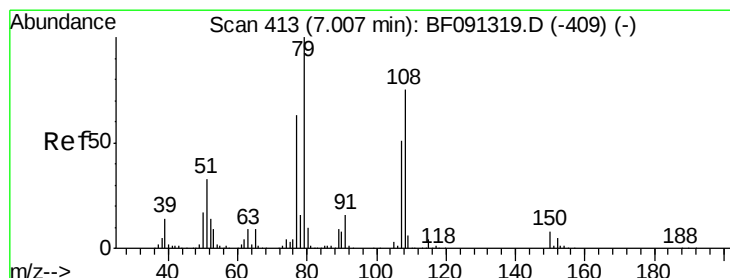
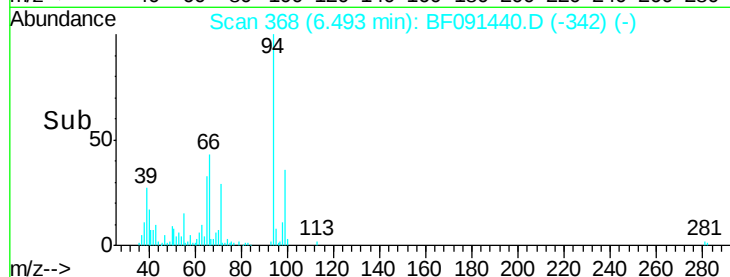
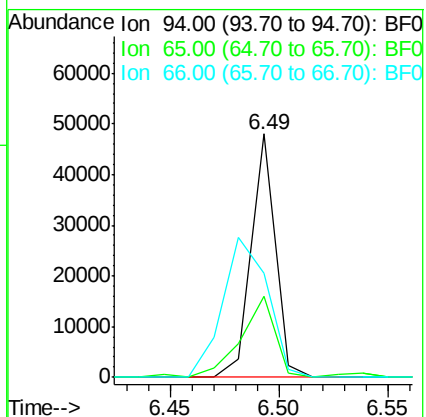
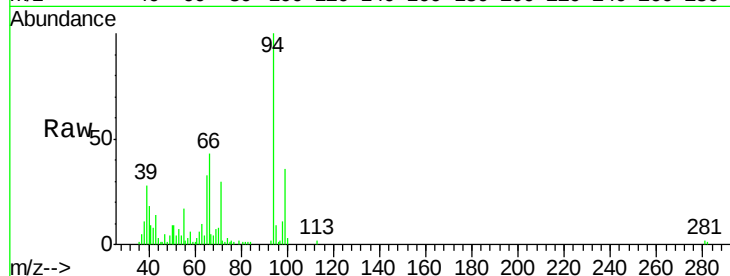
Tgt Ion: 94 Resp: 37023

Ion Ratio Lower Upper

94 100

65 33.3 16.9 56.9

66 42.6 30.6 70.6



#15

Benzyl Alcohol

Concen: 2.08 ng

RT: 7.01 min Scan# 413

Delta R.T. 0.01 min

Lab File: BF091440.D

Acq: 6 Dec 2016 1:31

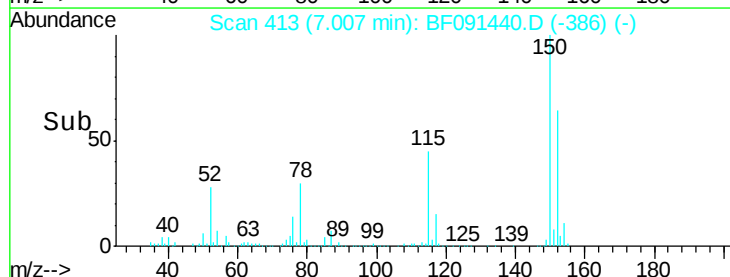
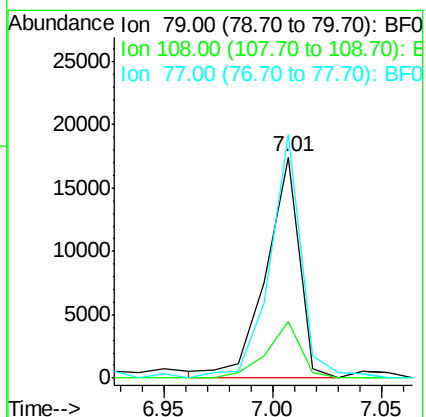
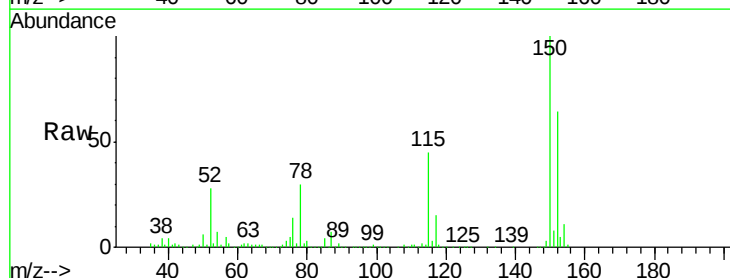
Tgt Ion: 79 Resp: 18904

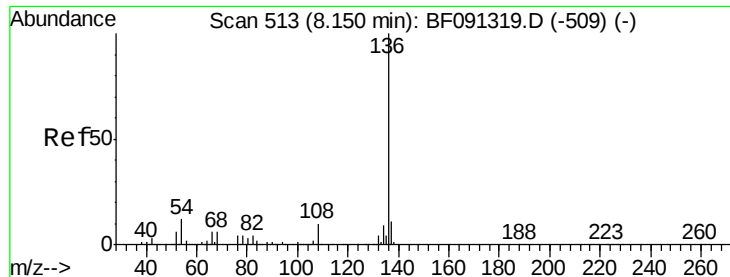
Ion Ratio Lower Upper

79 100

108 25.8 62.7 94.1#

77 110.3 51.7 77.5#

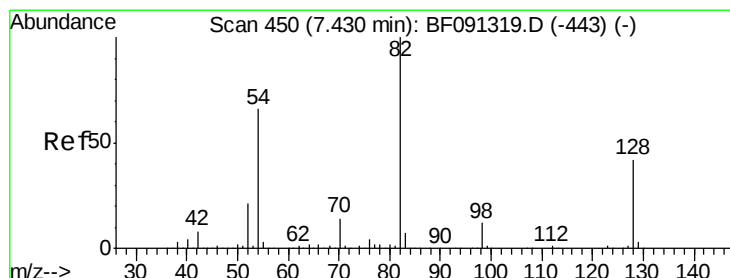
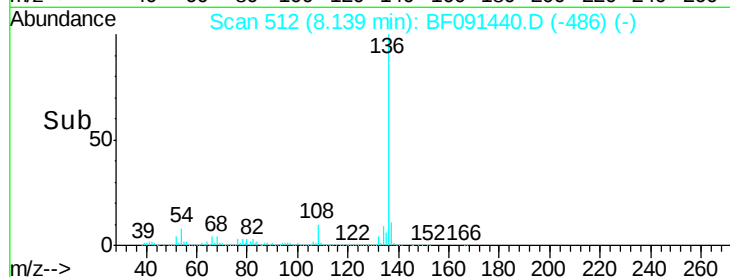
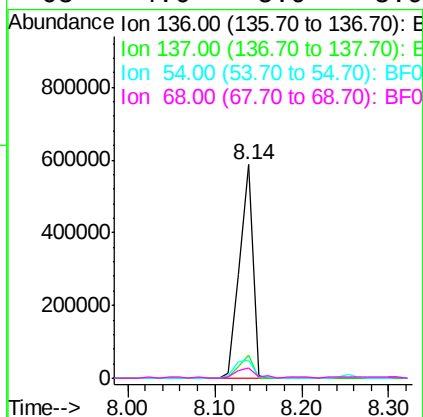
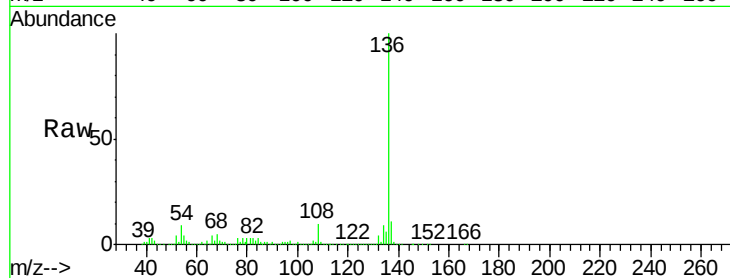




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 512
Delta R.T. -0.00 min
Lab File: BF091440.D
Acq: 6 Dec 2016 1:31

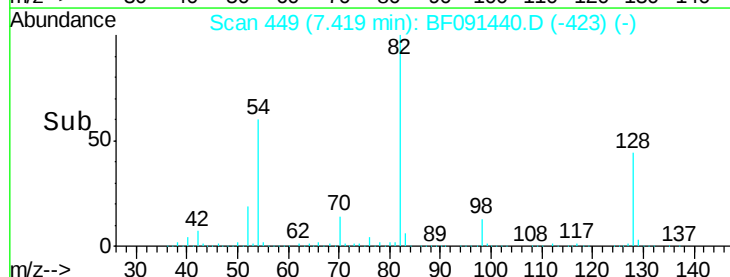
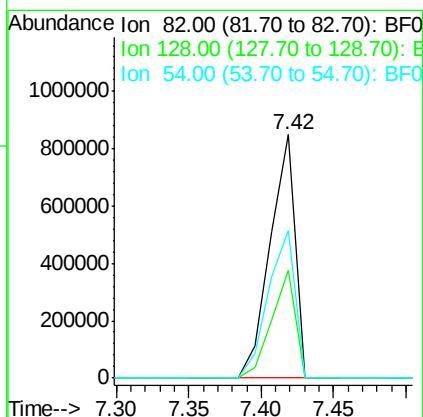
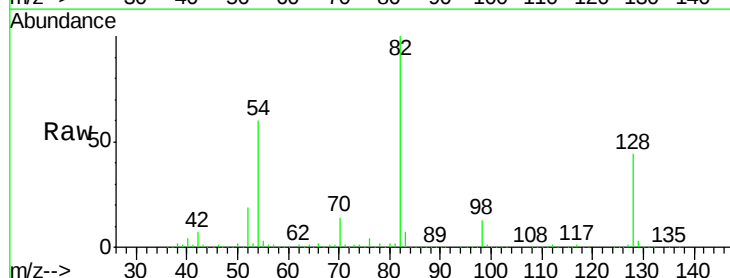
Instrument :
BNA_F
ClientSampleId :
S12016SF-W-1

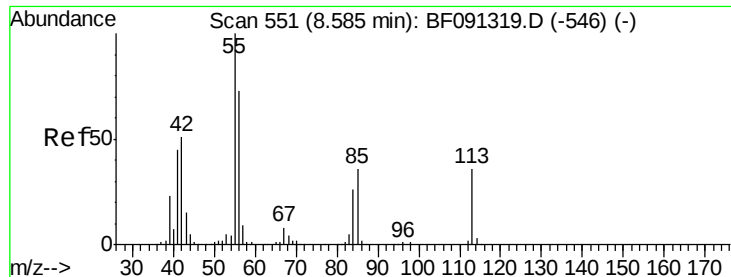
Tgt Ion:	136	Resp:	614189
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	8.6	9.1	13.7#
68	4.6	5.9	8.9#



#23
Nitrobenzene-d5
Concen: 92.77 ng
RT: 7.42 min Scan# 449
Delta R.T. -0.00 min
Lab File: BF091440.D
Acq: 6 Dec 2016 1:31

Tgt Ion:	82	Resp:	1016734
Ion	Ratio	Lower	Upper
82	100		
128	44.3	31.8	47.6
54	60.4	49.1	73.7





#35

Caprolactam

Concen: 3.82 ng

RT: 8.56 min Scan# 549

Delta R.T. -0.02 min

Lab File: BF091440.D

Acq: 6 Dec 2016 1:31

Instrument :

BNA_F

ClientSampleId :

S12016SF-W-1

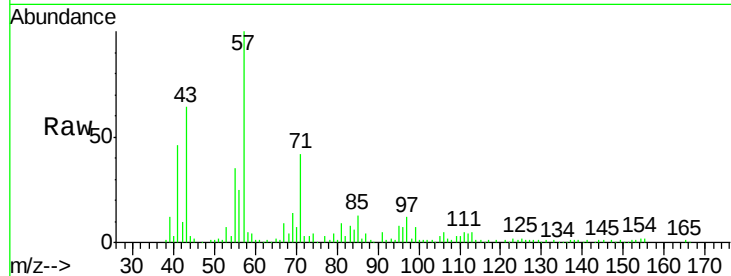
Tgt Ion:113 Resp: 9237

Ion Ratio Lower Upper

113 100

55 675.7 239.8 279.8#

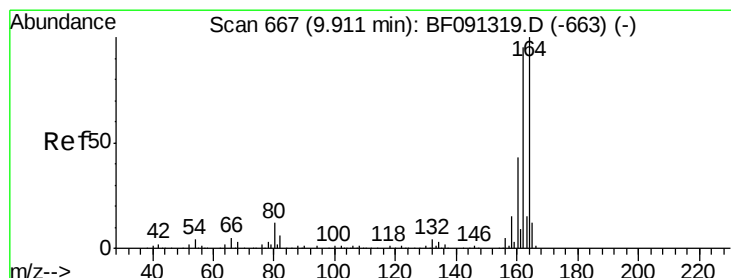
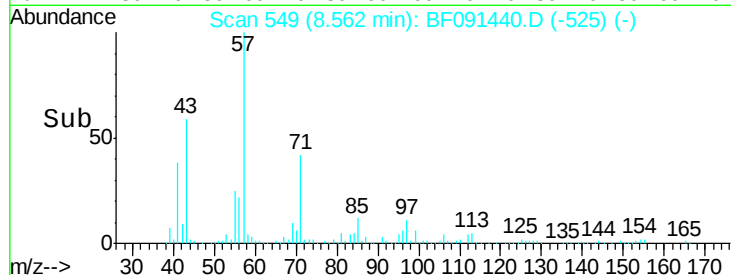
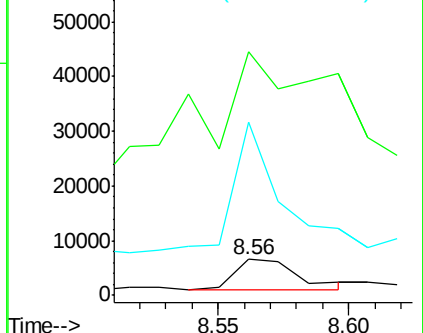
56 481.2 165.6 205.6#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 665

Delta R.T. -0.00 min

Lab File: BF091440.D

Acq: 6 Dec 2016 1:31

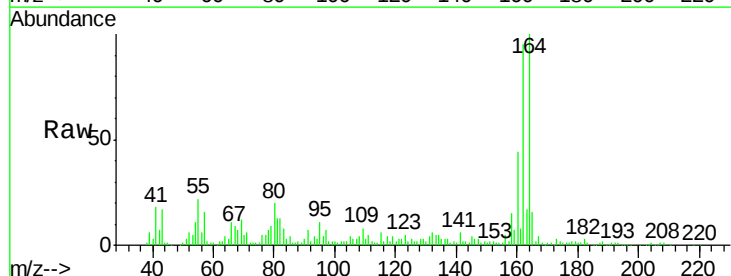
Tgt Ion:164 Resp: 327463

Ion Ratio Lower Upper

164 100

162 95.4 82.6 124.0

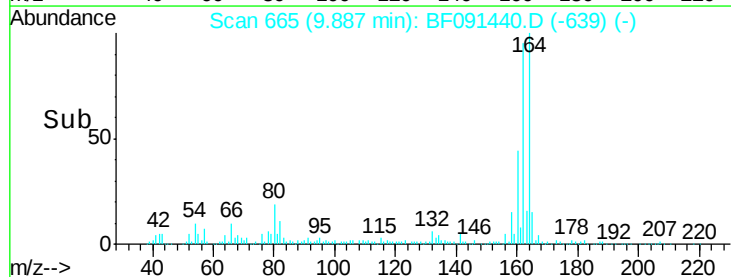
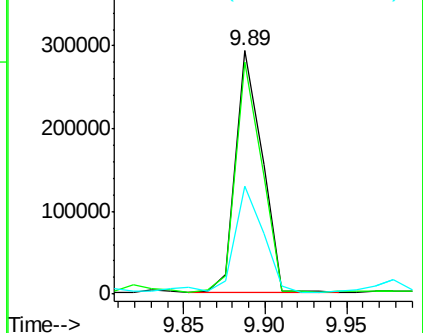
160 44.5 36.7 55.1

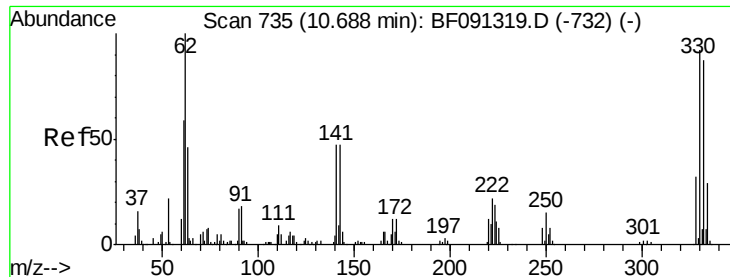


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

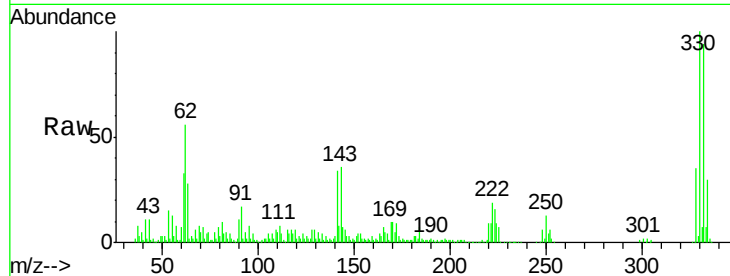




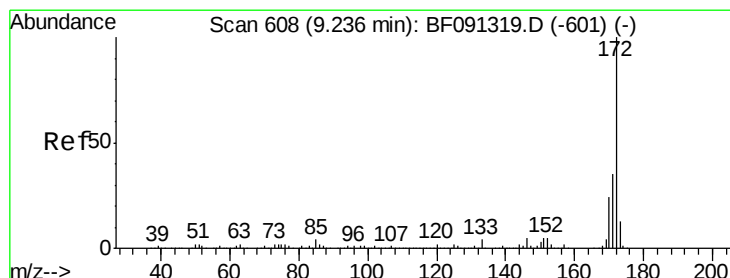
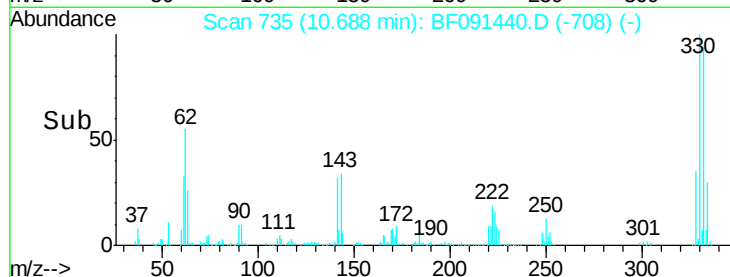
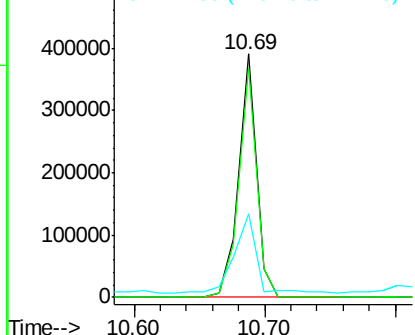
#41
 2,4,6-Tribromophenol
 Concen: 119.20 ng
 RT: 10.69 min Scan# 735
 Delta R.T. 0.01 min
 Lab File: BF091440.D
 Acq: 6 Dec 2016 1:31

Instrument :
 BNA_F
 ClientSampleId :
 S12016SF-W-1

Tgt Ion:330 Resp: 369548
 Ion Ratio Lower Upper
 330 100
 332 94.4 76.2 114.4
 141 40.2 33.6 50.4

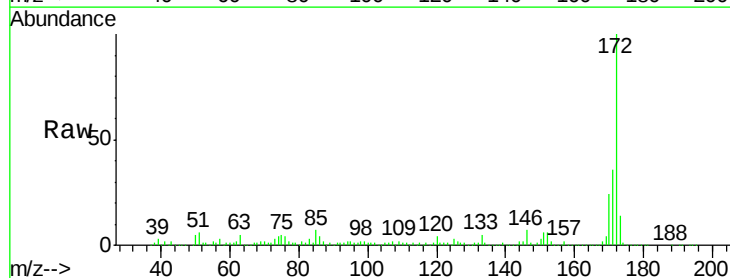


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

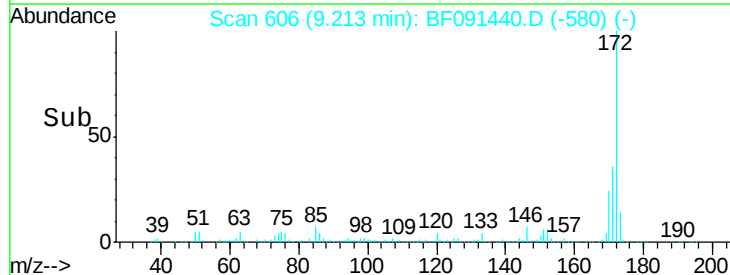
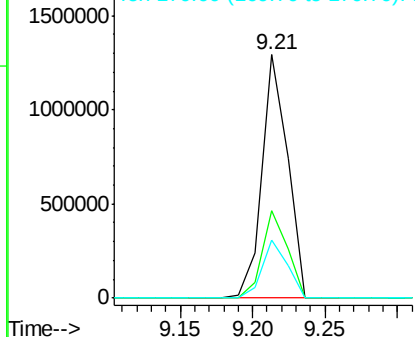


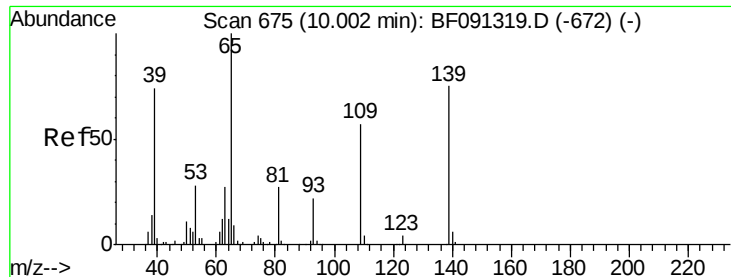
#44
 2-Fluorobiphenyl
 Concen: 86.86 ng
 RT: 9.21 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: BF091440.D
 Acq: 6 Dec 2016 1:31

Tgt Ion:172 Resp: 1570896
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.4 44.0
 170 23.8 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

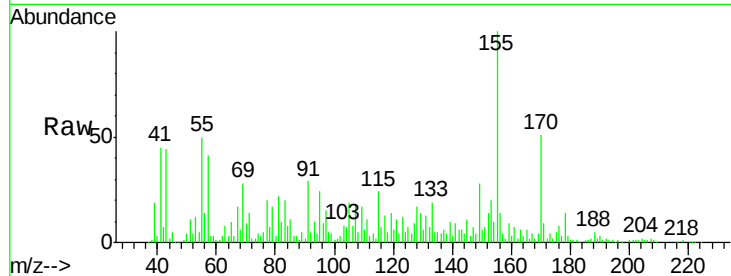




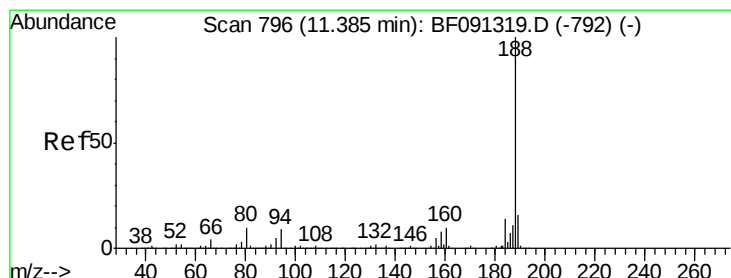
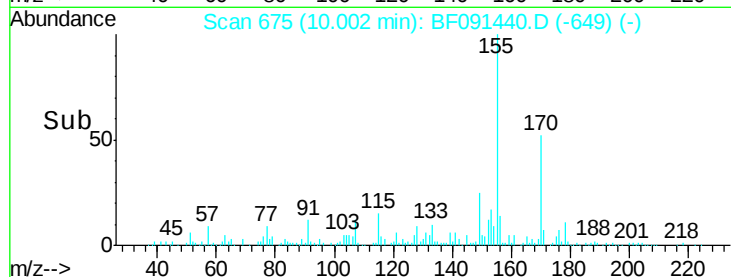
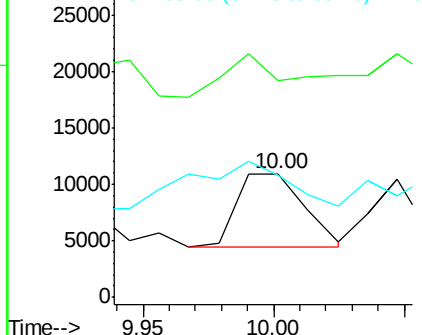
#55
4-Nitrophenol
Concen: 3.09 ng
RT: 10.00 min Scan# 675
Delta R.T. -0.00 min
Lab File: BF091440.D
Acq: 6 Dec 2016 1:31

Instrument :
BNA_F
ClientSampleId :
S12016SF-W-1

Tgt Ion:139 Resp: 11436
Ion Ratio Lower Upper
139 100
109 175.5 54.9 94.9#
65 99.0 102.2 142.2#

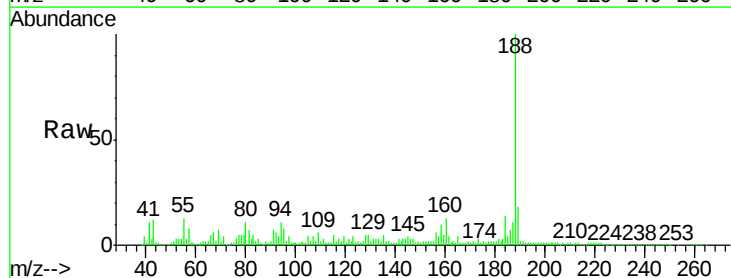


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

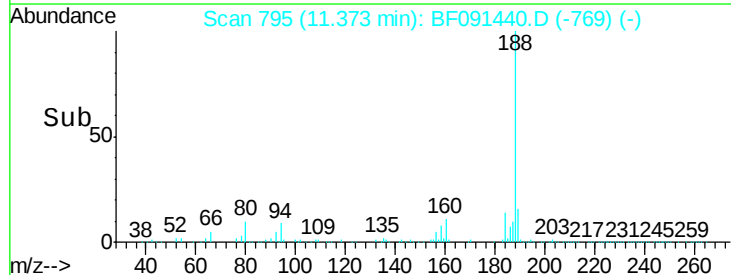
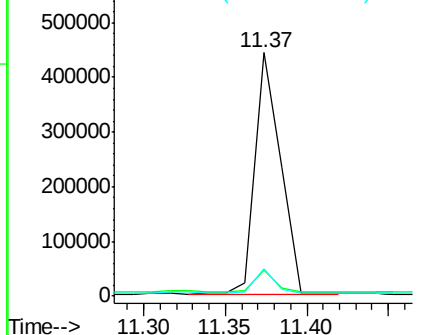


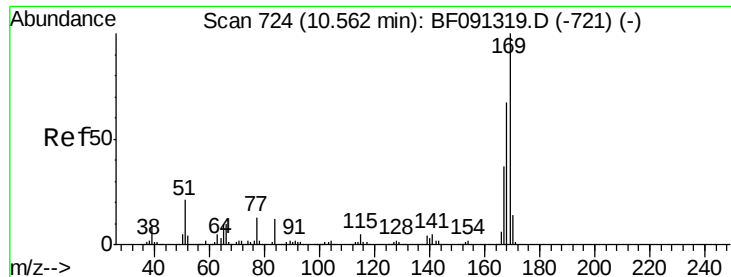
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF091440.D
Acq: 6 Dec 2016 1:31

Tgt Ion:188 Resp: 478810
Ion Ratio Lower Upper
188 100
94 10.5 9.2 13.8
80 11.4 10.5 15.7



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





#65

n-Nitrosodiphenylamine

Concen: 6.54 ng

RT: 10.55 min Scan# 723

Delta R.T. -0.00 min

Lab File: BF091440.D

Acq: 6 Dec 2016 1:31

Instrument :

BNA_F

ClientSampleId :

S12016SF-W-1

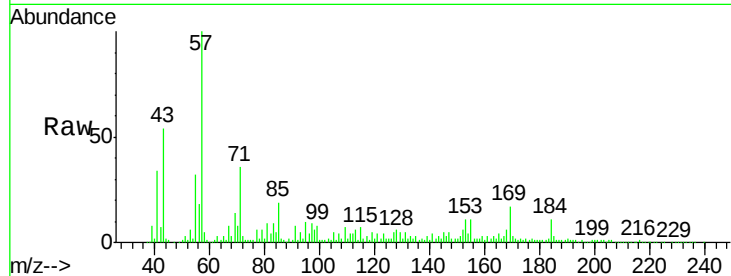
Tgt Ion:169 Resp: 94946

Ion Ratio Lower Upper

169 100

168 34.2 53.8 80.8#

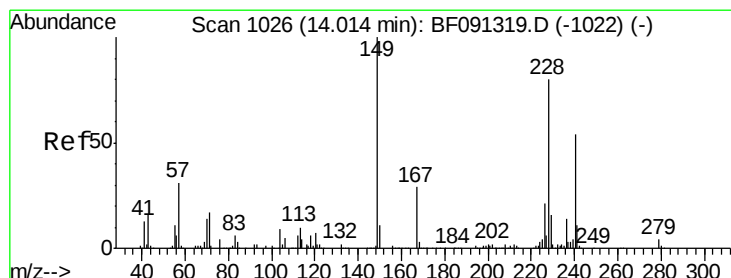
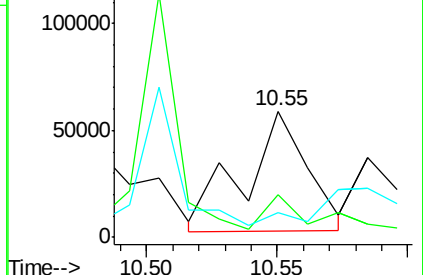
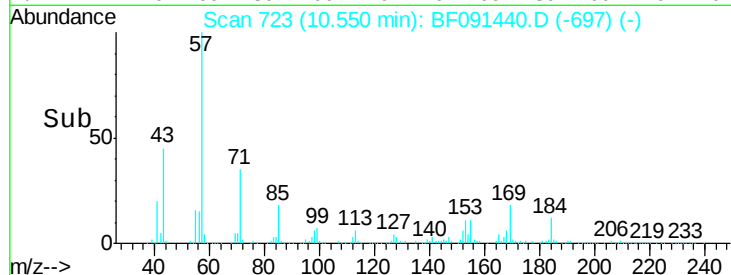
167 19.8 29.8 44.8#



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: 14.00 min Scan# 1025

Delta R.T. -0.00 min

Lab File: BF091440.D

Acq: 6 Dec 2016 1:31

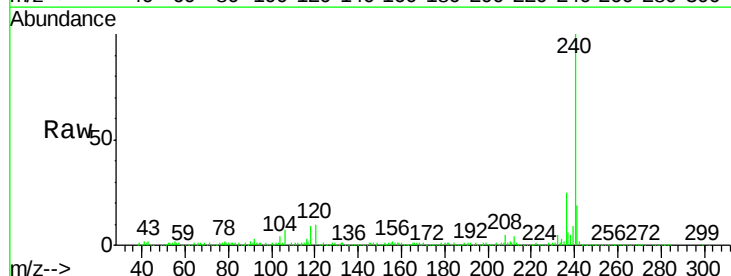
Tgt Ion:240 Resp: 338335

Ion Ratio Lower Upper

240 100

120 9.9 12.1 18.1#

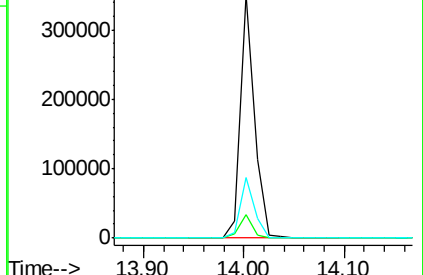
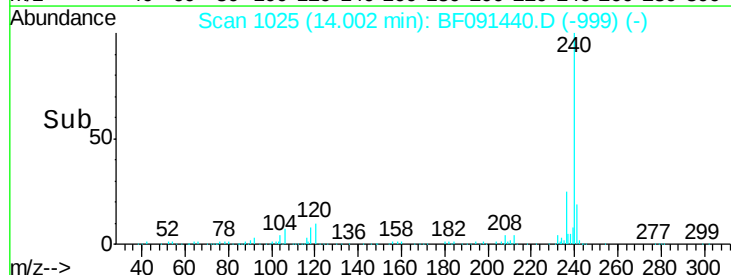
236 24.9 21.0 31.6

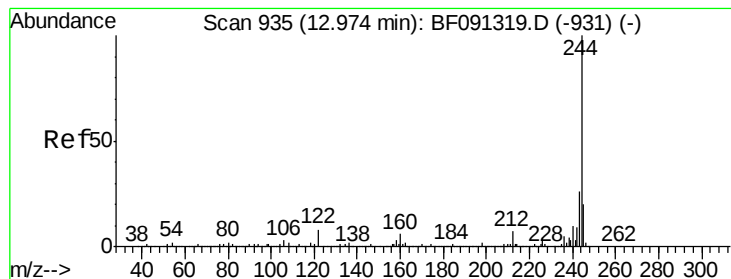


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 78.70 ng

RT: 12.96 min Scan# 934

Delta R.T. -0.00 min

Lab File: BF091440.D

Acq: 6 Dec 2016 1:31

Instrument :

BNA_F

ClientSampleId :

S12016SF-W-1

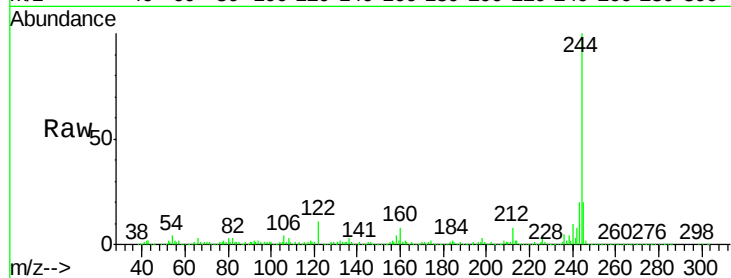
Tgt Ion:244 Resp: 1225045

Ion Ratio Lower Upper

244 100

212 7.7 6.5 9.7

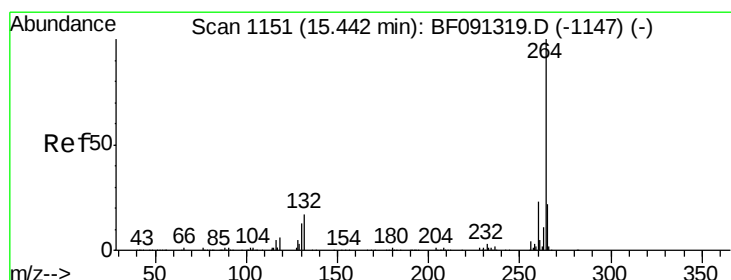
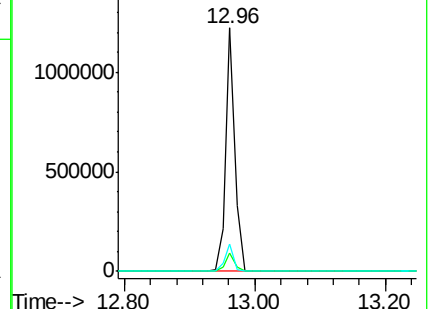
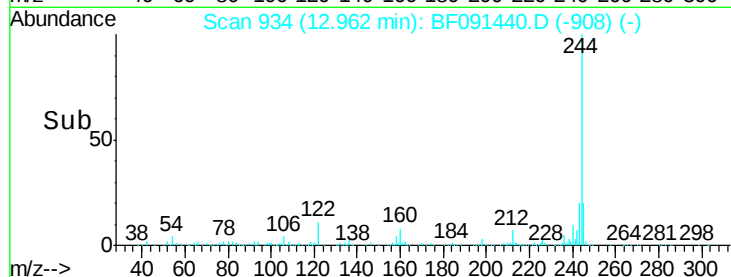
122 11.2 9.5 14.3



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: 15.43 min Scan# 1150

Delta R.T. -0.00 min

Lab File: BF091440.D

Acq: 6 Dec 2016 1:31

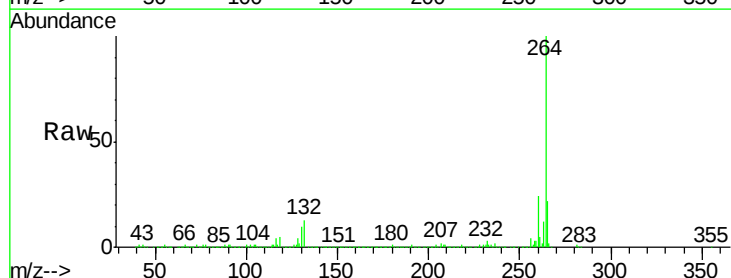
Tgt Ion:264 Resp: 355653

Ion Ratio Lower Upper

264 100

260 23.5 18.8 28.2

265 21.6 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

