

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122216\
 Data File : BF091895.D
 Acq On : 22 Dec 2016 19:26
 Operator : UM/SJ
 Sample : H6068-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-4

Quant Time: Dec 23 00:40:57 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	218288	20.00	ng	0.00
21) Naphthalene-d8	8.04	136	703821	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	287853	20.00	ng	0.01
63) Phenanthrene-d10	11.28	188	404073	20.00	ng	0.01
75) Chrysene-d12	13.91	240	363819	20.00	ng	0.00
86) Perylene-d12	15.30	264	316283	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1611534	123.27	ng	0.06
7) Phenol-d6	6.45	99	2062094	129.19	ng	0.05
23) Nitrobenzene-d5	7.32	82	1112060	87.86	ng	0.00
41) 2,4,6-Tribromophenol	10.59	330	257488	108.09	ng	0.01
44) 2-Fluorobiphenyl	9.13	172	1827108	138.11	ng	0.01
78) Terphenyl-d14	12.87	244	1232481	82.16	ng	0.01

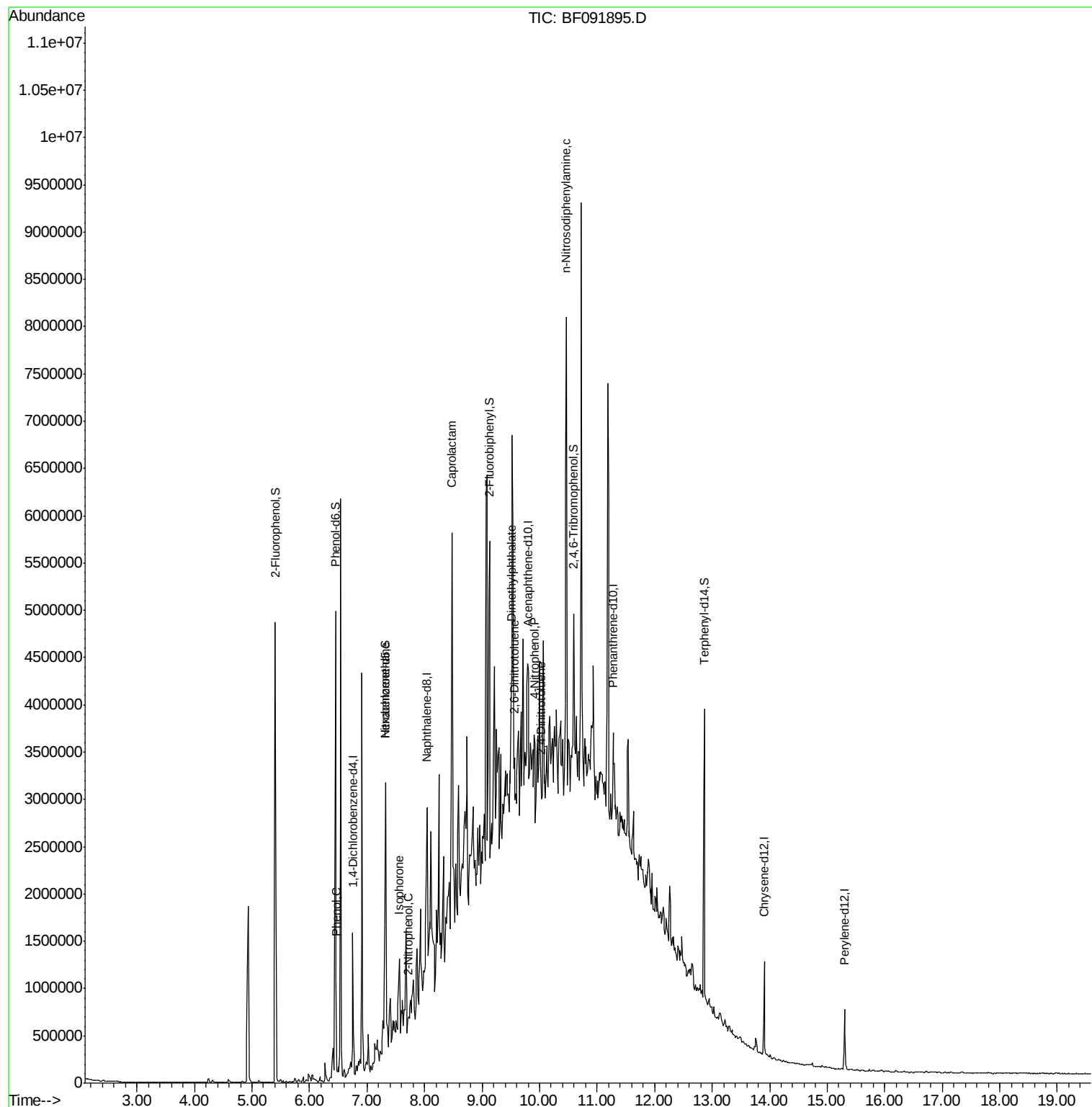
Target Compounds				Qvalue		
9) Benzaldehyde	6.27	77	1780	Below Cal	#	1
10) Phenol	6.46	94	110440	6.07	ng	79
18) Hexachloroethane	7.32	117	35382	5.91	ng	2
25) Isophorone	7.56	82	48262	2.07	ng	1
26) 2-Nitrophenol	7.71	139	16048	2.41	ng	46
35) Caprolactam	8.48	113	112494	36.66	ng	1
37) 2-Methylnaphthalene	8.74	142	4810	Below Cal	#	1
49) Dimethylphthalate	9.52	163	176987	9.61	ng	95
50) 2,6-Dinitrotoluene	9.56	165	12169	3.02	ng	53
55) 4-Nitrophenol	9.92	139	11674	3.45	ng	1
56) 2,4-Dinitrotoluene	10.03	165	11243	2.22	ng	46
65) n-Nitrosodiphenylamine	10.46	169	107971	9.00	ng	44
73) Di-n-butylphthalate	11.85	149	6760	Below Cal	#	11
74) Fluoranthene	12.71	202	20979	Below Cal	#	67
76) Benzidine	12.58	184	2148	Below Cal	#	1

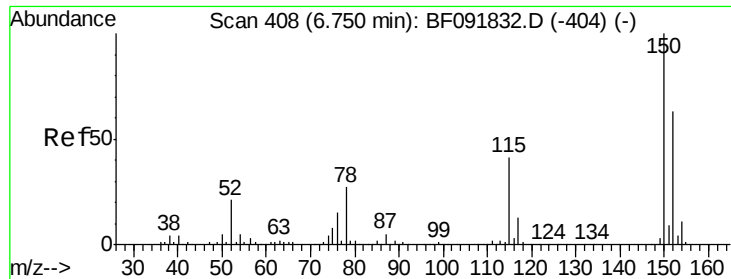
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 408

Delta R.T. -0.00 min

Lab File: BF091895.D

Acq: 22 Dec 2016 19:26

Instrument :

BNA_F

ClientSampleId :

B-4

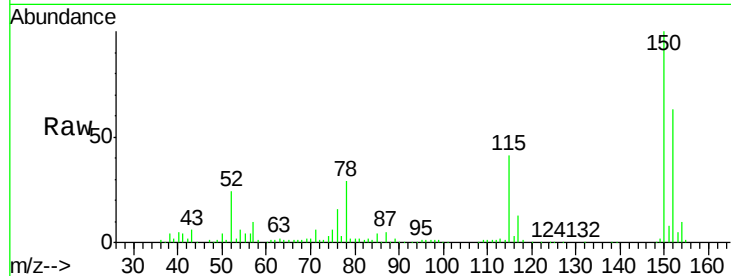
Tgt Ion:152 Resp: 218288

Ion Ratio Lower Upper

152 100

150 158.3 124.9 187.3

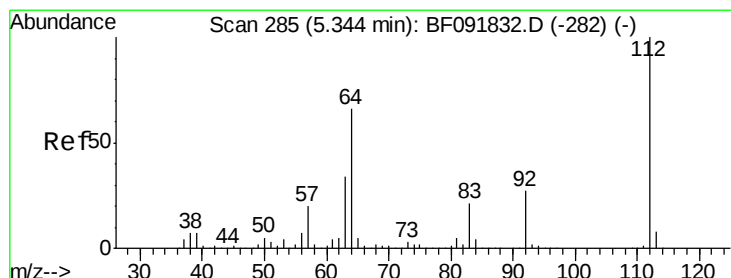
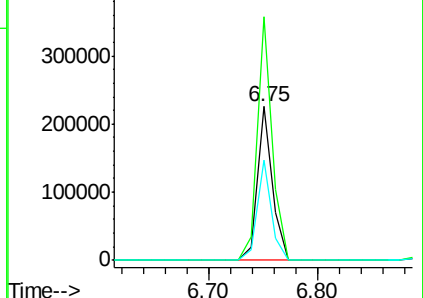
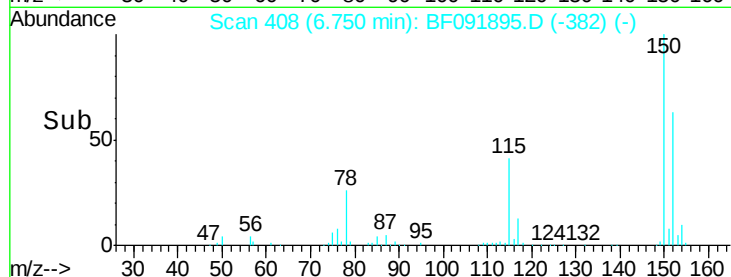
115 65.5 46.0 69.0



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: 123.27 ng

RT: 5.40 min Scan# 290

Delta R.T. 0.06 min

Lab File: BF091895.D

Acq: 22 Dec 2016 19:26

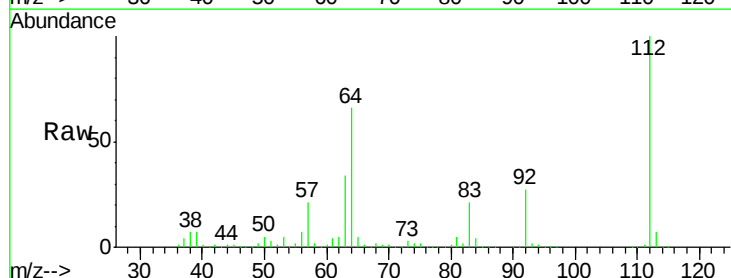
Tgt Ion:112 Resp: 1611534

Ion Ratio Lower Upper

112 100

64 65.8 46.1 69.1

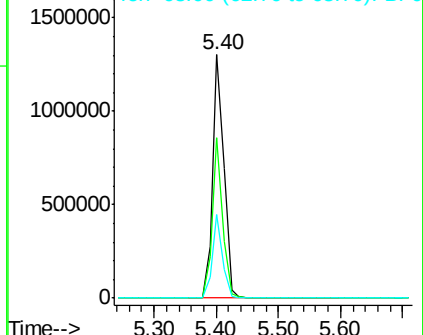
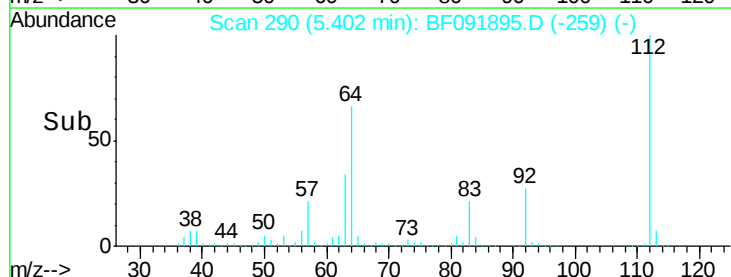
63 34.5 23.8 35.6



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: 129.19 ng

RT: 6.45 min Scan# 382

Delta R.T. 0.05 min

Lab File: BF091895.D

Acq: 22 Dec 2016 19:26

Instrument :

BNA_F

ClientSampled :

B-4

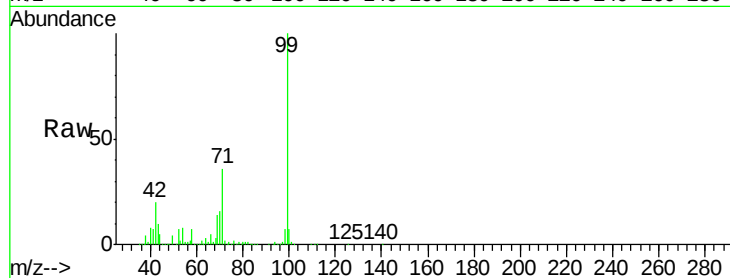
Tgt Ion: 99 Resp: 2062094

Ion Ratio Lower Upper

99 100

42 20.0 15.6 23.4

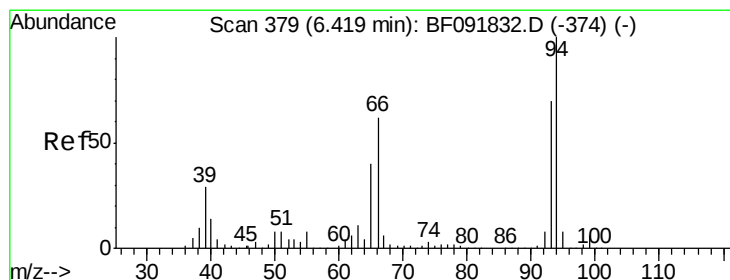
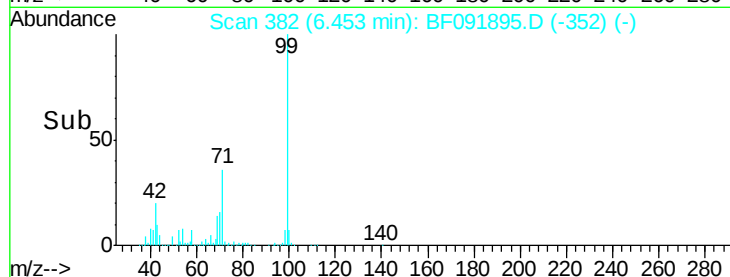
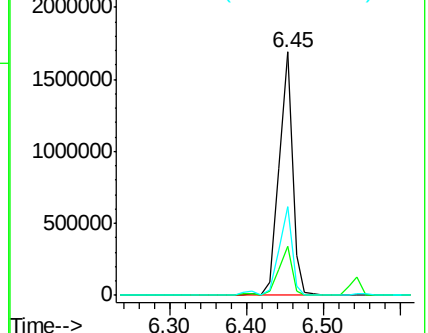
71 36.4 27.5 41.3



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



#10

Phenol

Concen: 6.07 ng

RT: 6.46 min Scan# 383

Delta R.T. 0.05 min

Lab File: BF091895.D

Acq: 22 Dec 2016 19:26

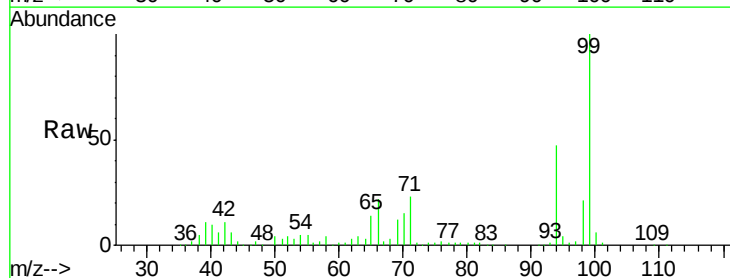
Tgt Ion: 94 Resp: 110440

Ion Ratio Lower Upper

94 100

65 30.5 21.4 61.4

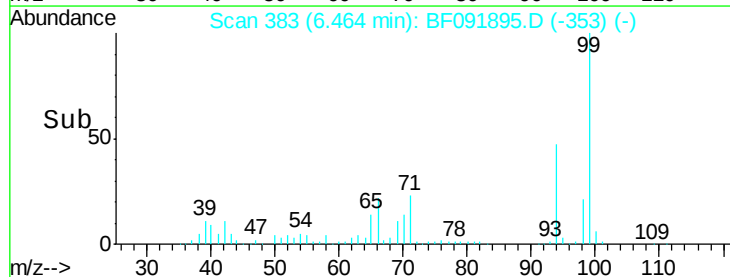
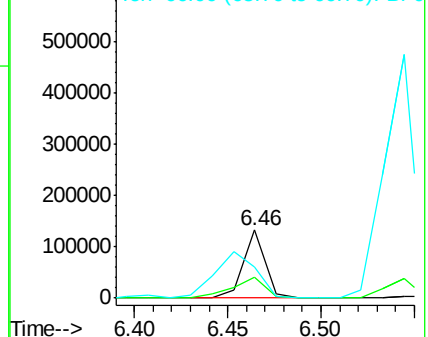
66 46.1 44.0 84.0

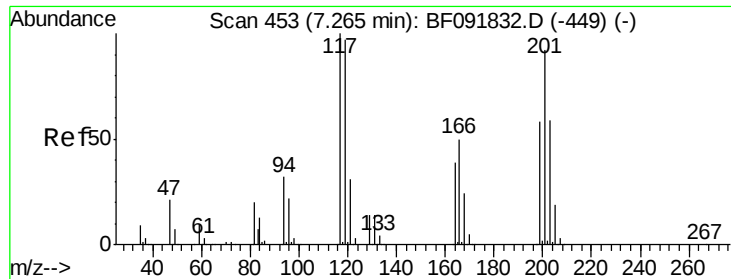


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#18

Hexachloroethane

Concen: 5.91 ng

RT: 7.32 min Scan# 458

Delta R.T. 0.06 min

Lab File: BF091895.D

Acq: 22 Dec 2016 19:26

Instrument :

BNA_F

ClientSampleId :

B-4

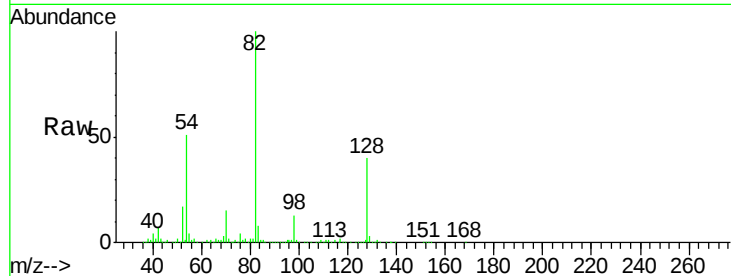
Tgt Ion:117 Resp: 35382

Ion Ratio Lower Upper

117 100

119 1.7 78.1 117.1#

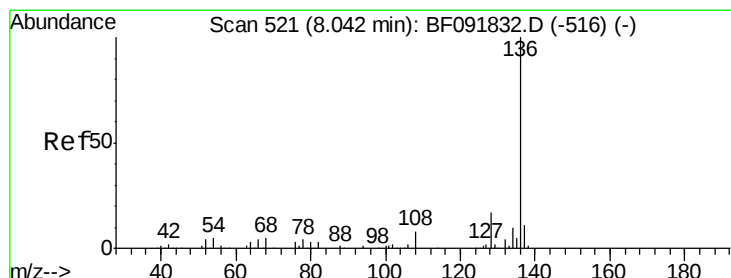
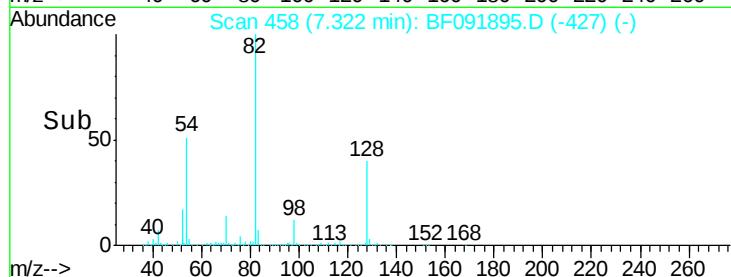
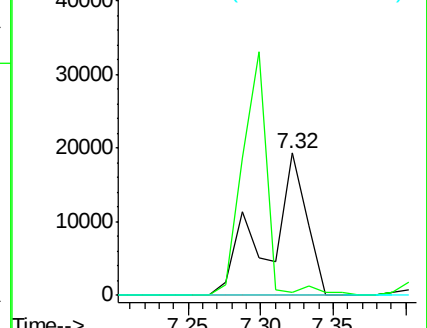
201 0.0 78.6 117.8#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.04 min Scan# 521

Delta R.T. -0.00 min

Lab File: BF091895.D

Acq: 22 Dec 2016 19:26

Tgt Ion:136 Resp: 703821

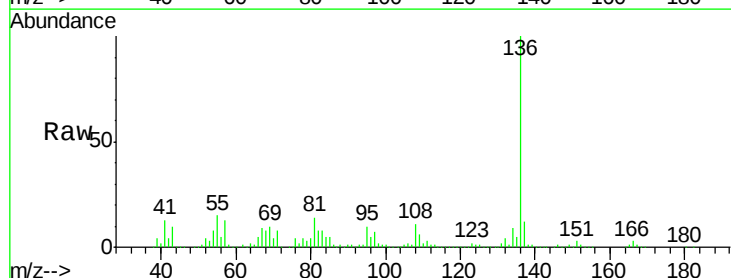
Ion Ratio Lower Upper

136 100

137 12.2 8.4 12.6

54 8.5 4.5 6.7#

68 7.6 3.6 5.4#

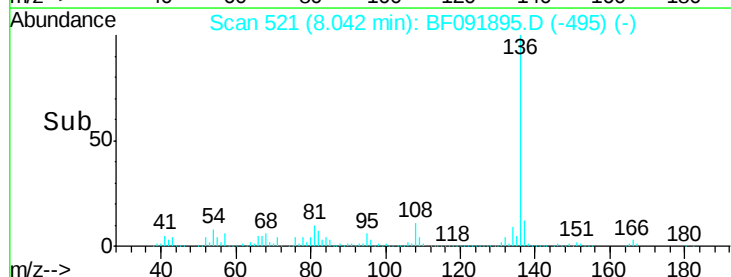
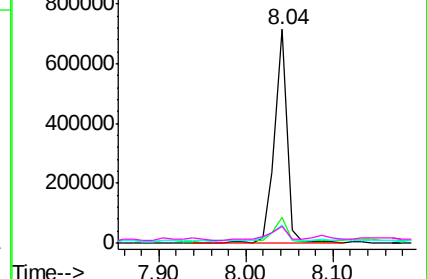


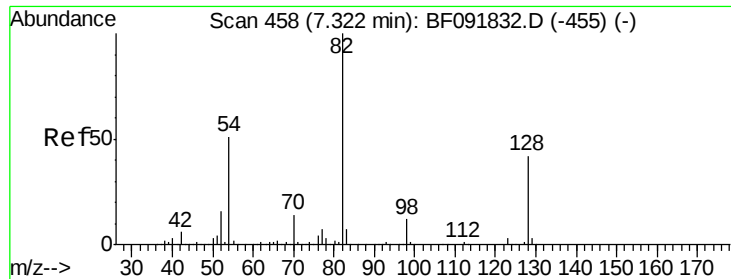
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

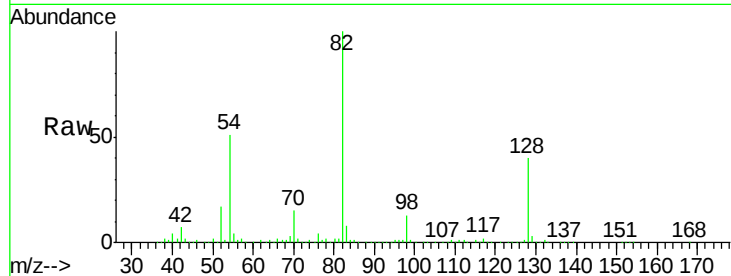




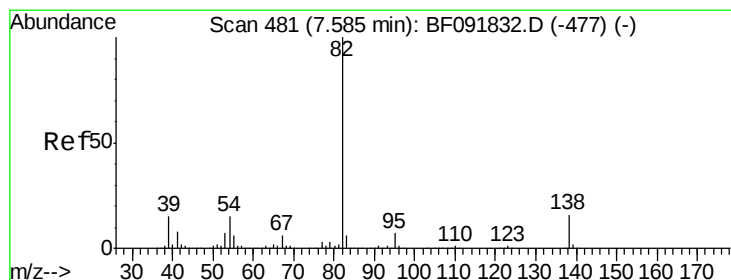
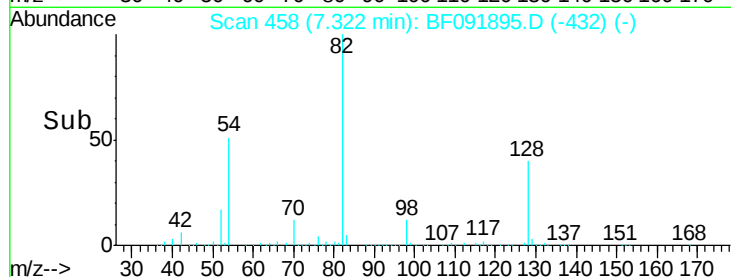
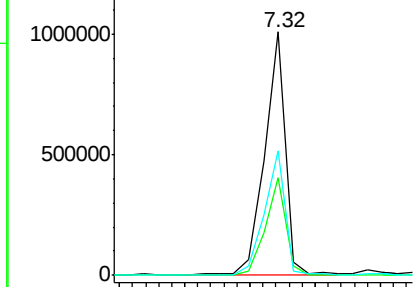
#23
Nitrobenzene-d5
Concen: 87.86 ng
RT: 7.32 min Scan# 458
Delta R.T. -0.00 min
Lab File: BF091895.D
Acq: 22 Dec 2016 19:26

Instrument :
BNA_F
ClientSampleId :
B-4

Tgt Ion: 82 Resp: 1112060
Ion Ratio Lower Upper
82 100
128 39.9 34.6 52.0
54 51.2 39.5 59.3

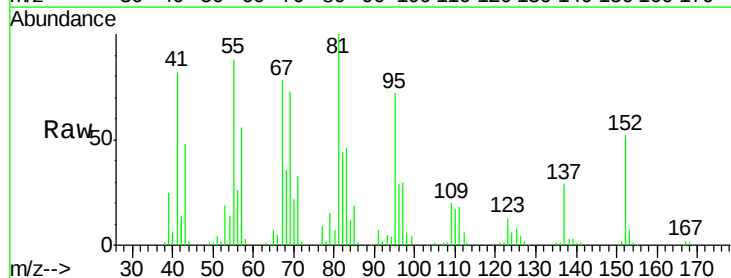


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

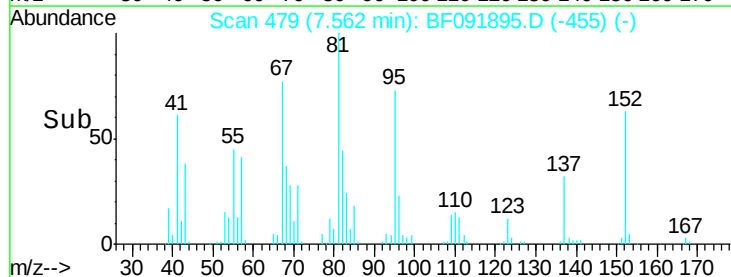
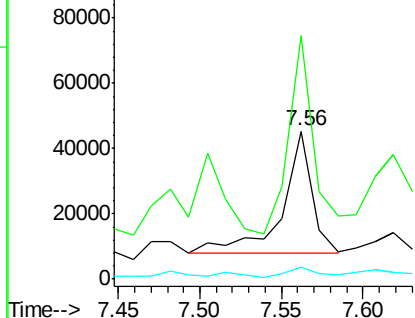


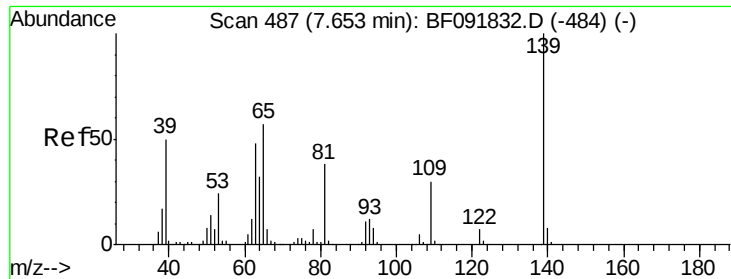
#25
Isophorone
Concen: 2.07 ng
RT: 7.56 min Scan# 479
Delta R.T. -0.02 min
Lab File: BF091895.D
Acq: 22 Dec 2016 19:26

Tgt Ion: 82 Resp: 48262
Ion Ratio Lower Upper
82 100
95 164.3 5.6 8.4#
138 7.9 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0

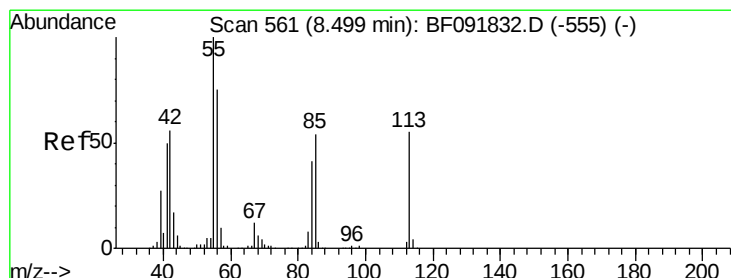
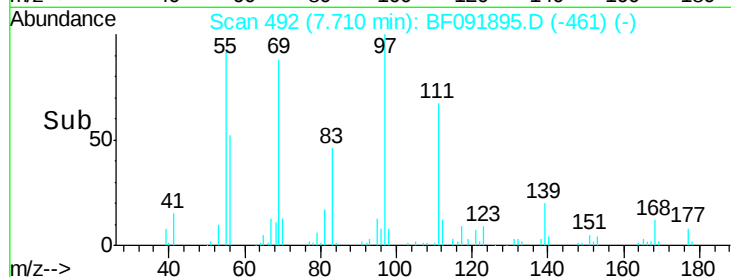
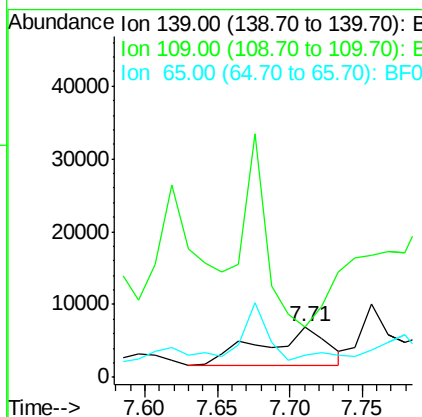
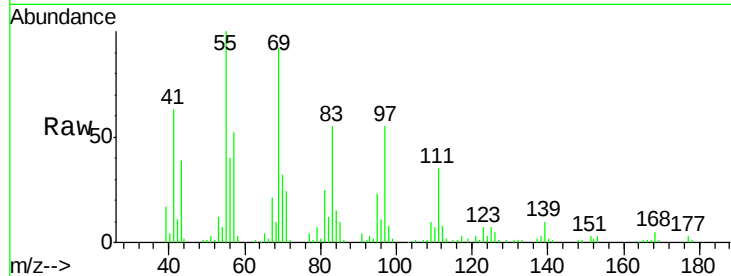




#26
2-Nitrophenol
Concen: 2.41 ng
RT: 7.71 min Scan# 492
Delta R.T. 0.06 min
Lab File: BF091895.D
Acq: 22 Dec 2016 19:26

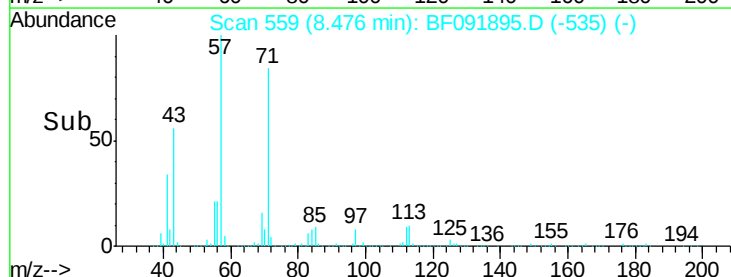
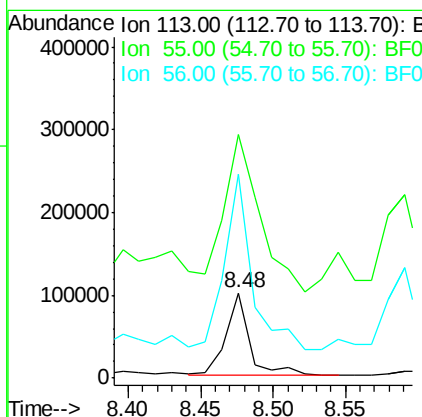
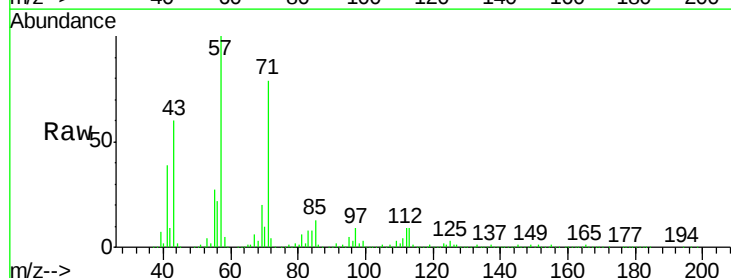
Instrument :
BNA_F
ClientSampleId :
B-4

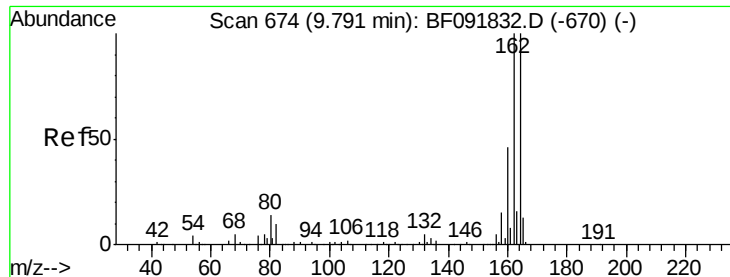
Tgt Ion:139 Resp: 16048
Ion Ratio Lower Upper
139 100
109 99.8 23.3 34.9#
65 45.0 42.7 64.1



#35
Caprolactam
Concen: 36.66 ng
RT: 8.48 min Scan# 559
Delta R.T. -0.02 min
Lab File: BF091895.D
Acq: 22 Dec 2016 19:26

Tgt Ion:113 Resp: 112494
Ion Ratio Lower Upper
113 100
55 285.8 119.2 159.2#
56 239.5 83.8 123.8#

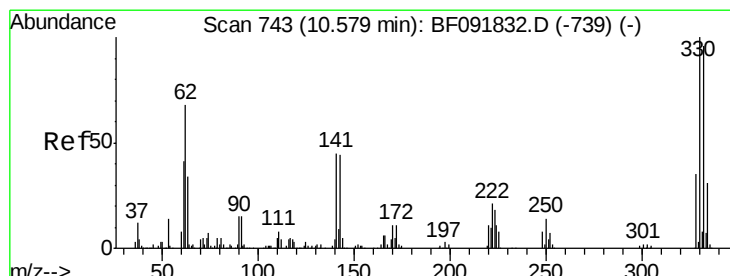
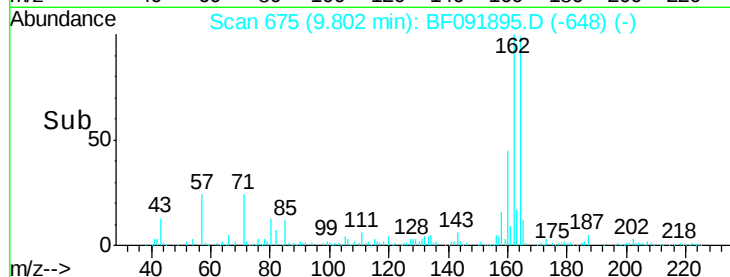
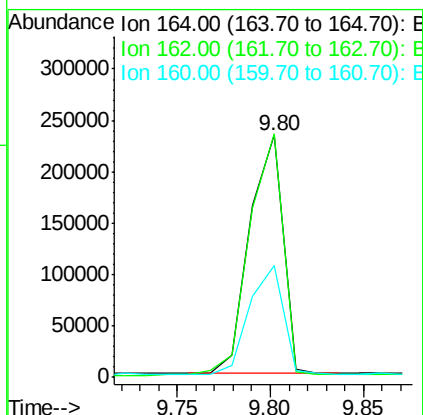
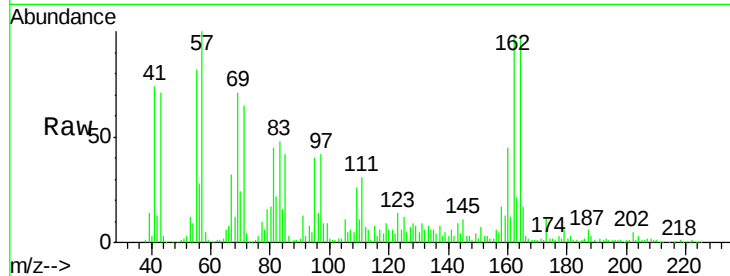




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.80 min Scan# 675
Delta R.T. 0.01 min
Lab File: BF091895.D
Acq: 22 Dec 2016 19:26

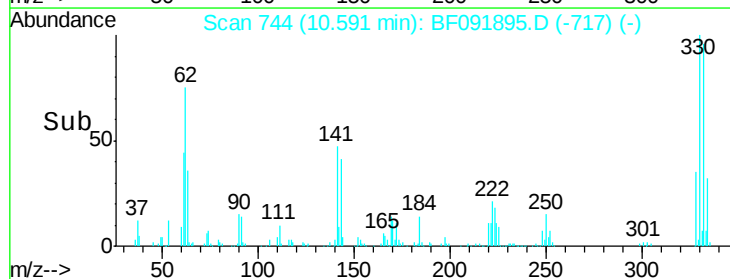
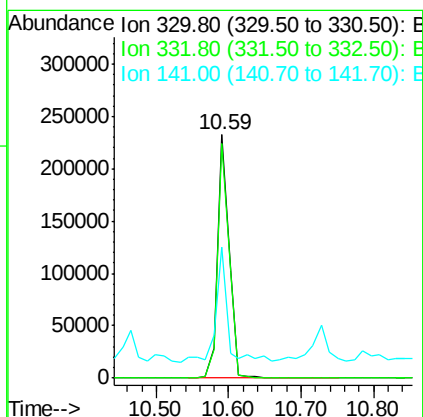
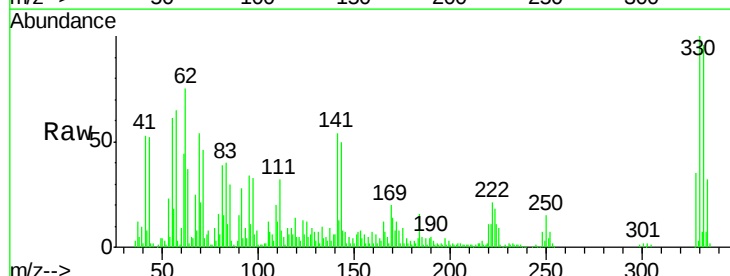
Instrument :
BNA_F
ClientSampleId :
B-4

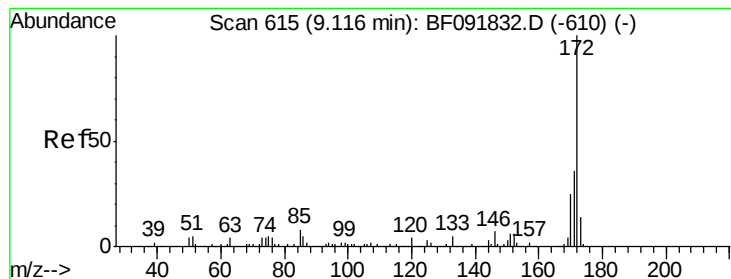
Tgt Ion:164 Resp: 287853
Ion Ratio Lower Upper
164 100
162 100.5 80.2 120.2
160 46.3 36.9 55.3



#41
2,4,6-Tribromophenol
Concen: 108.09 ng
RT: 10.59 min Scan# 744
Delta R.T. 0.01 min
Lab File: BF091895.D
Acq: 22 Dec 2016 19:26

Tgt Ion:330 Resp: 257488
Ion Ratio Lower Upper
330 100
332 97.0 77.4 116.2
141 47.1 34.1 51.1

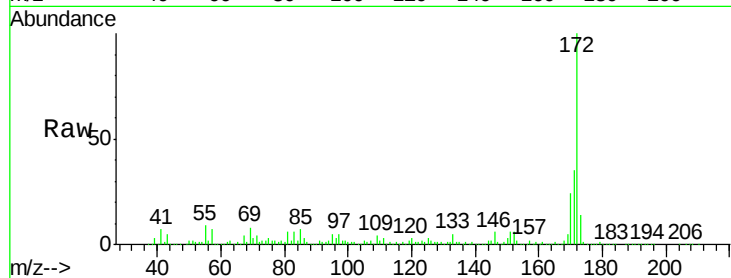




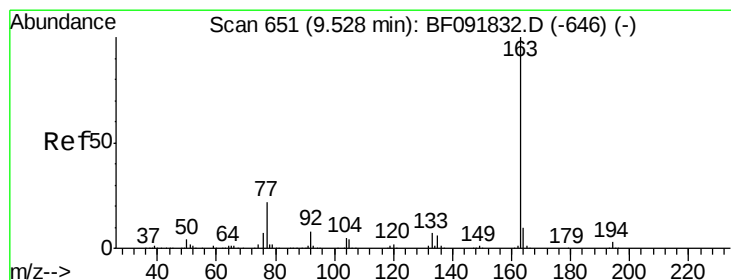
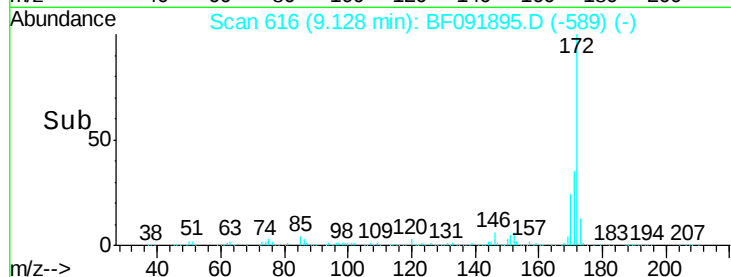
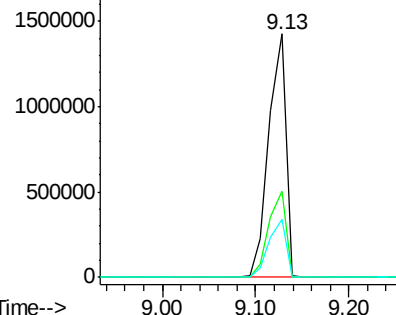
#44
2-Fluorobiphenyl
Concen: 138.11 ng
RT: 9.13 min Scan# 616
Delta R.T. 0.01 min
Lab File: BF091895.D
Acq: 22 Dec 2016 19:26

Instrument :
BNA_F
ClientSampleId :
B-4

Tgt Ion:172 Resp: 1827108
Ion Ratio Lower Upper
172 100
171 35.5 29.4 44.0
170 23.9 20.2 30.4

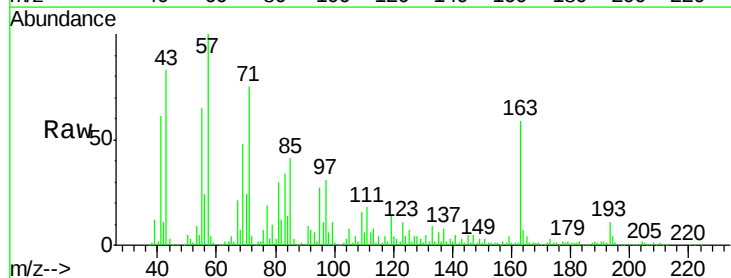


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

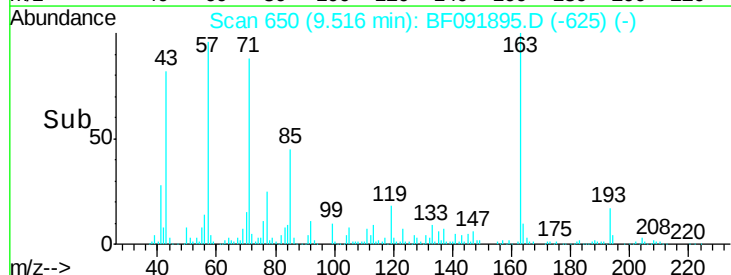
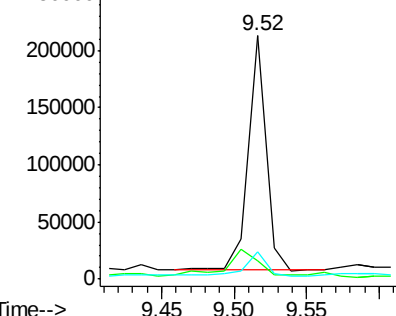


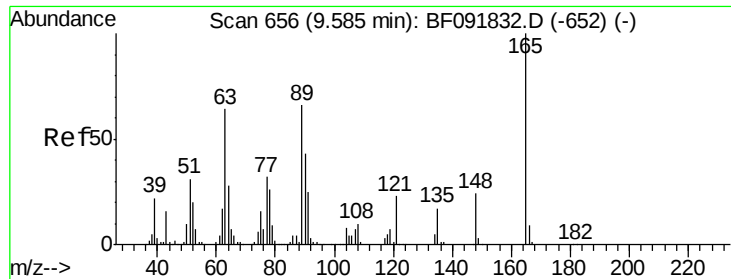
#49
Dimethylphthalate
Concen: 9.61 ng
RT: 9.52 min Scan# 650
Delta R.T. -0.01 min
Lab File: BF091895.D
Acq: 22 Dec 2016 19:26

Tgt Ion:163 Resp: 176987
Ion Ratio Lower Upper
163 100
194 7.6 3.0 4.4#
164 11.1 8.0 12.0



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

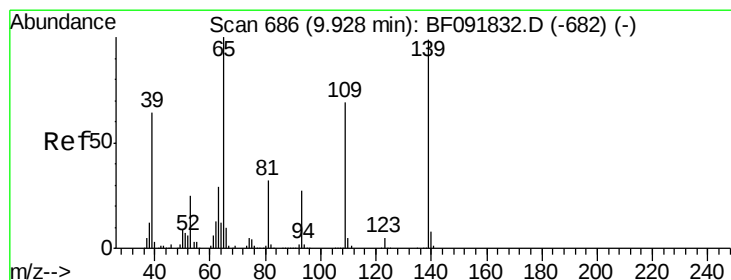
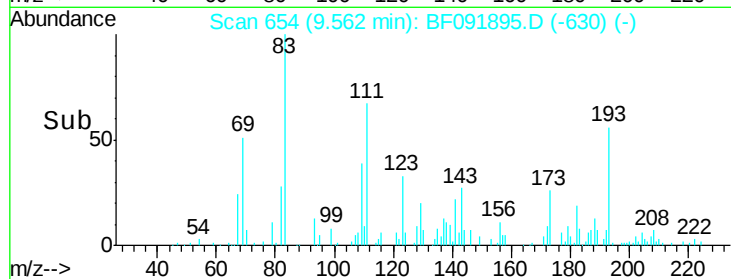
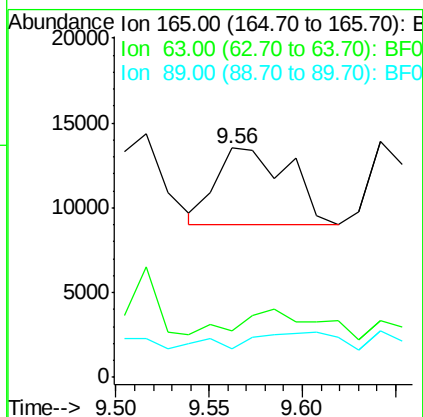
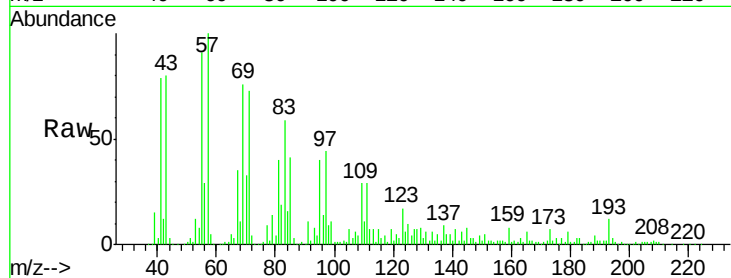




#50
 2,6-Dinitrotoluene
 Concen: 3.02 ng
 RT: 9.56 min Scan# 654
 Delta R.T. -0.02 min
 Lab File: BF091895.D
 Acq: 22 Dec 2016 19:26

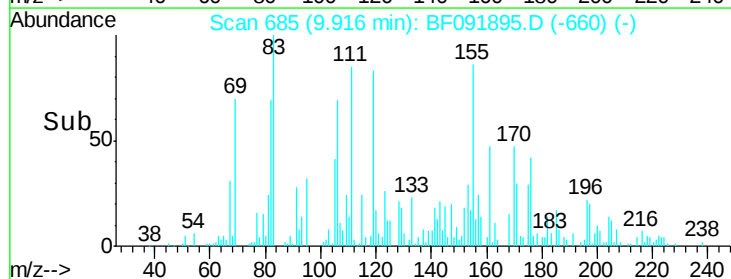
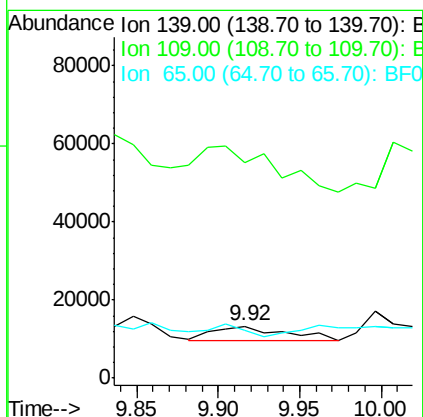
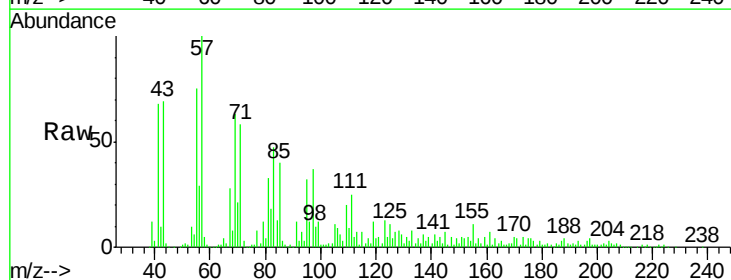
Instrument :
 BNA_F
 ClientSampled :
 B-4

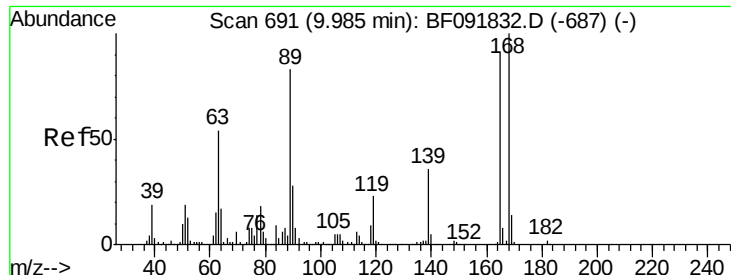
Tgt Ion:165 Resp: 12169
 Ion Ratio Lower Upper
 165 100
 63 20.2 36.2 54.4#
 89 12.5 40.2 60.4#



#55
 4-Nitrophenol
 Concen: 3.45 ng
 RT: 9.92 min Scan# 685
 Delta R.T. -0.01 min
 Lab File: BF091895.D
 Acq: 22 Dec 2016 19:26

Tgt Ion:139 Resp: 11674
 Ion Ratio Lower Upper
 139 100
 109 415.1 52.2 92.2#
 65 91.6 85.8 125.8





#56

2,4-Dinitrotoluene

Concen: 2.22 ng

RT: 10.03 min Scan# 695

Delta R.T. 0.05 min

Lab File: BF091895.D

Acq: 22 Dec 2016 19:26

Instrument :

BNA_F

ClientSampleId :

B-4

Tgt Ion:165 Resp: 11243

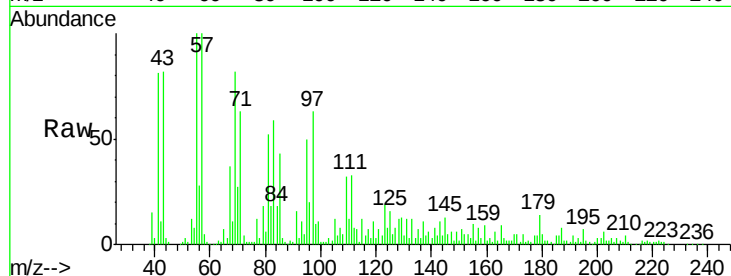
Ion Ratio Lower Upper

165 100

63 23.4 40.2 60.4#

89 22.2 62.5 93.7#

182 18.9 1.8 2.8#

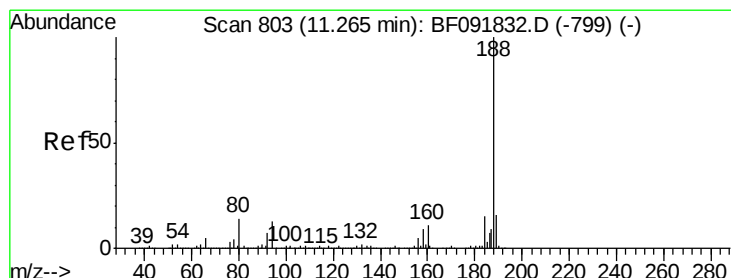
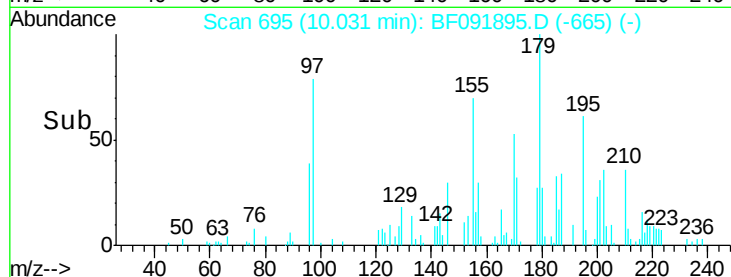
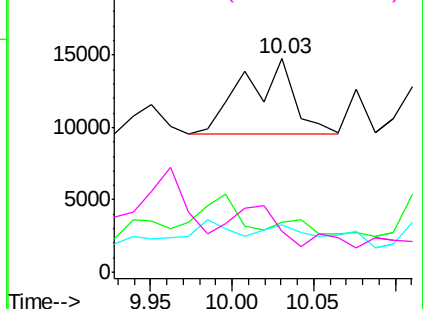


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.28 min Scan# 804

Delta R.T. 0.01 min

Lab File: BF091895.D

Acq: 22 Dec 2016 19:26

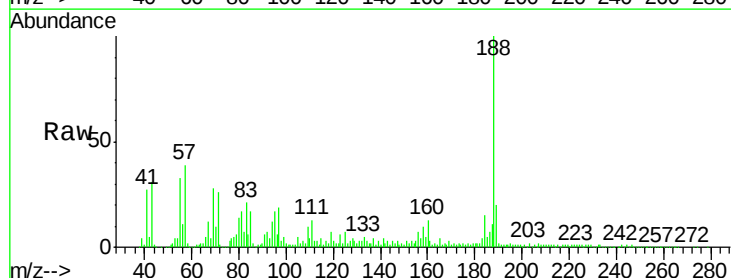
Tgt Ion:188 Resp: 404073

Ion Ratio Lower Upper

188 100

94 12.3 10.0 15.0

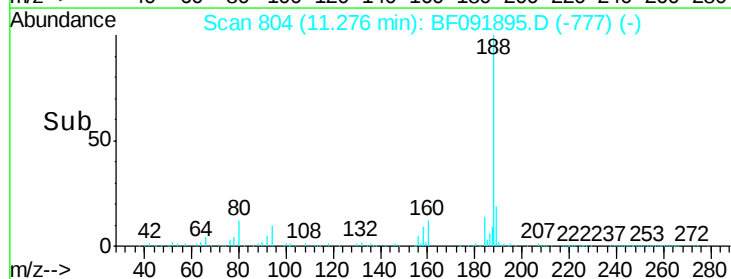
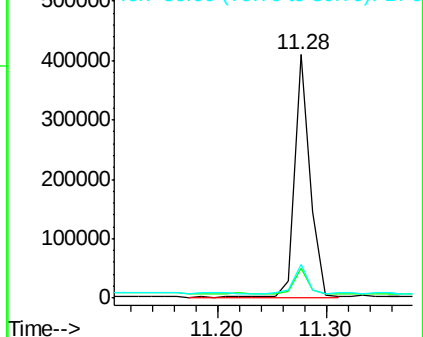
80 13.8 11.2 16.8

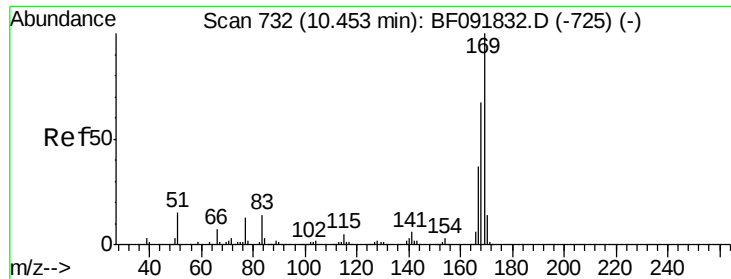


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

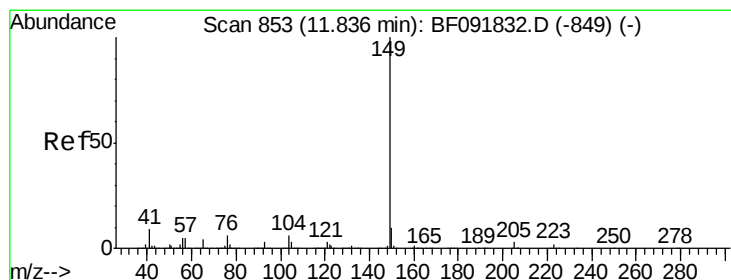
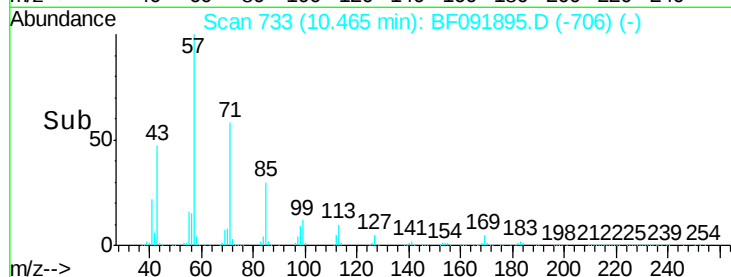
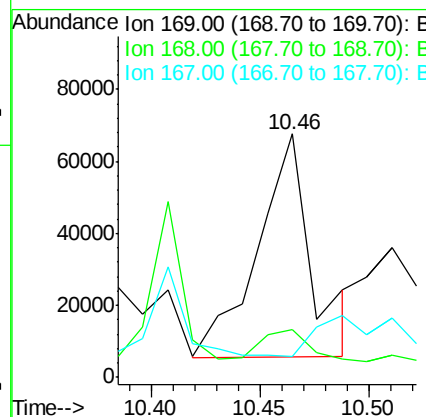
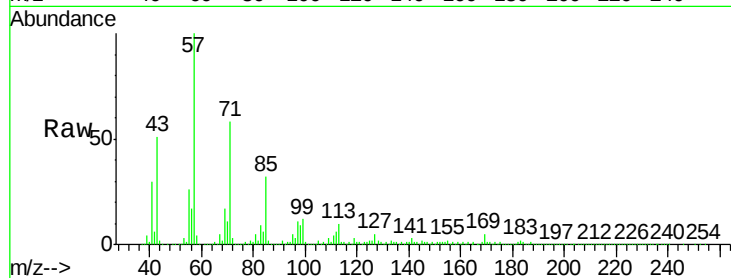




#65
n-Nitrosodiphenylamine
Concen: 9.00 ng
RT: 10.46 min Scan# 733
Delta R.T. 0.01 min
Lab File: BF091895.D
Acq: 22 Dec 2016 19:26

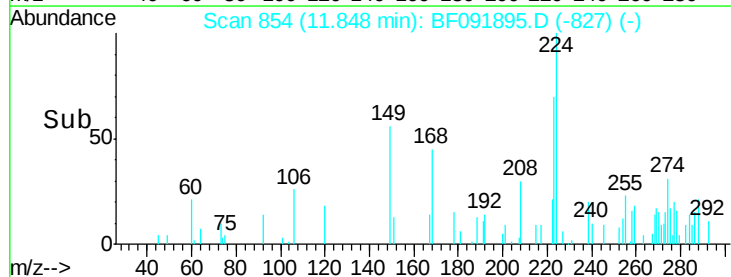
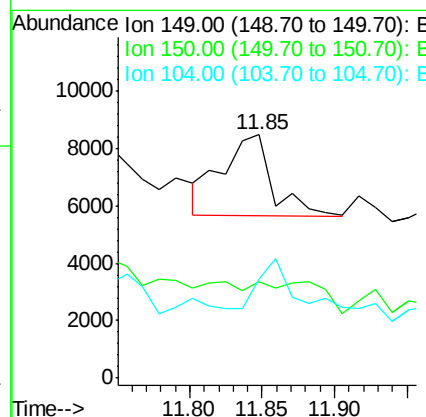
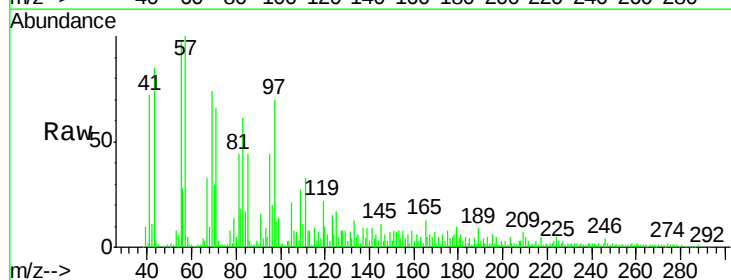
Instrument :
BNA_F
ClientSampleId :
B-4

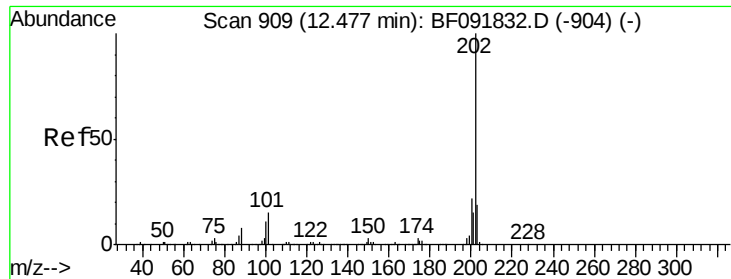
Tgt Ion:169 Resp: 107971
Ion Ratio Lower Upper
169 100
168 19.7 54.2 81.2#
167 8.7 30.2 45.4#



#73
Di-n-butylphthalate
Concen: Below Cal
RT: 11.85 min Scan# 854
Delta R.T. 0.01 min
Lab File: BF091895.D
Acq: 22 Dec 2016 19:26

Tgt Ion:149 Resp: 6760
Ion Ratio Lower Upper
149 100
150 39.8 8.1 12.1#
104 40.6 4.6 7.0#





#74

Fluoranthene

Concen: Below Cal

RT: 12.71 min Scan# 929

Delta R.T. 0.23 min

Lab File: BF091895.D

Acq: 22 Dec 2016 19:26

Instrument :

BNA_F

ClientSampleId :

B-4

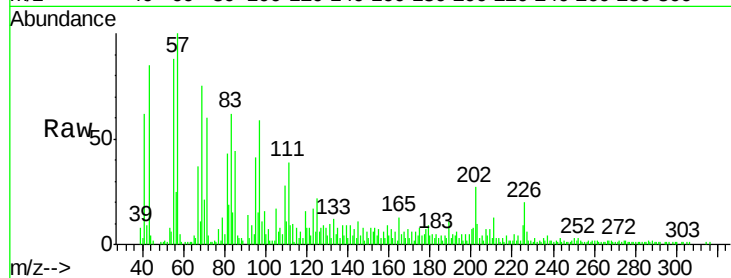
Tgt Ion:202 Resp: 20979

Ion Ratio Lower Upper

202 100

101 25.1 0.0 34.6

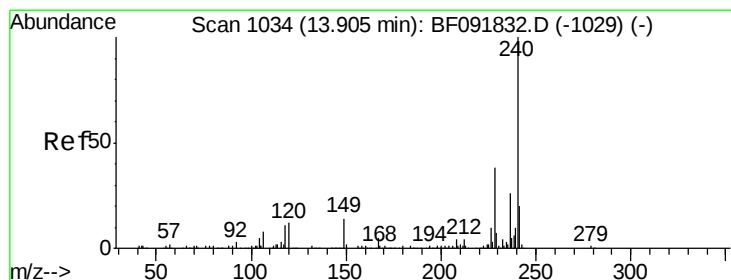
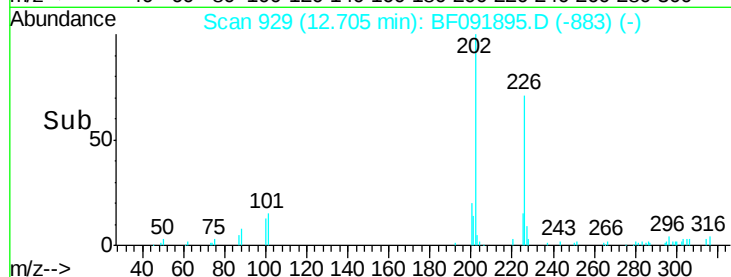
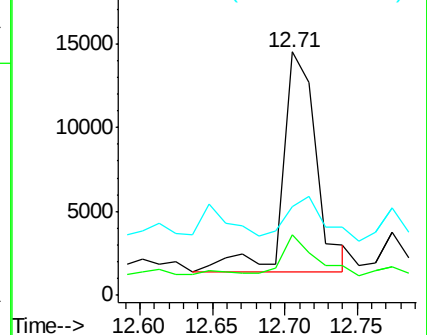
203 36.4 0.0 38.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BF091895.D

Acq: 22 Dec 2016 19:26

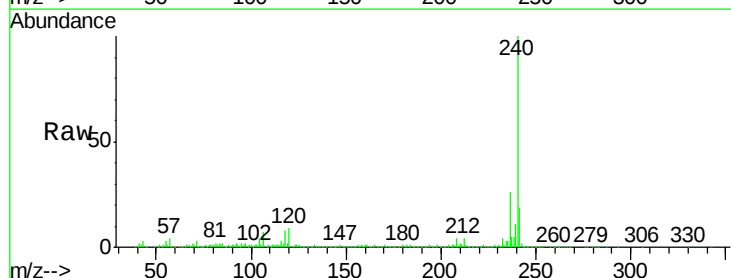
Tgt Ion:240 Resp: 363819

Ion Ratio Lower Upper

240 100

120 9.2 12.9 19.3#

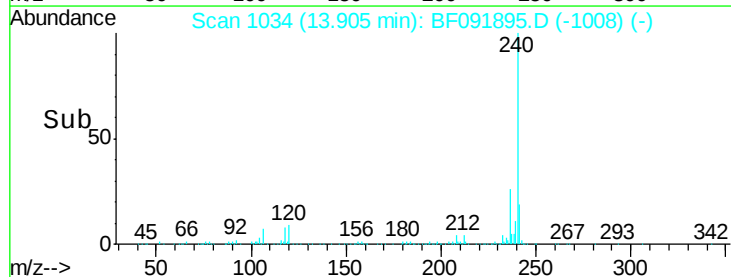
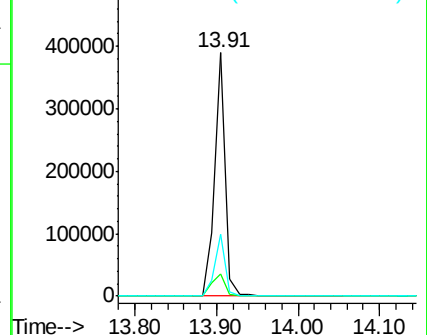
236 25.7 20.9 31.3

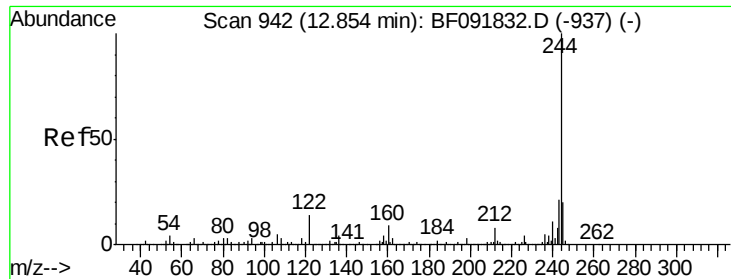


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 82.16 ng

RT: 12.87 min Scan# 943

Delta R.T. 0.01 min

Lab File: BF091895.D

Acq: 22 Dec 2016 19:26

Instrument :

BNA_F

ClientSampled :

B-4

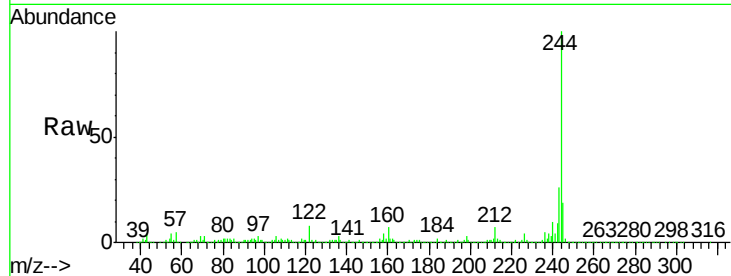
Tgt Ion:244 Resp: 1232481

Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.2

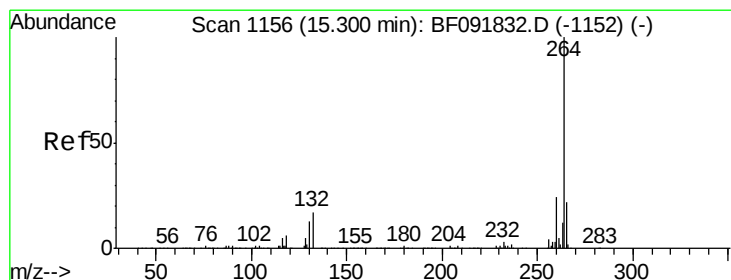
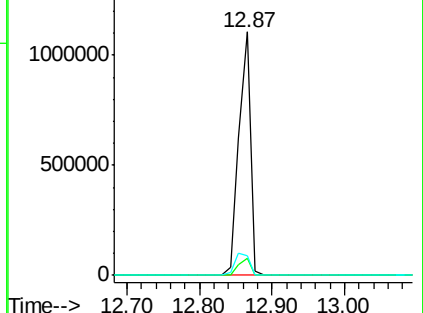
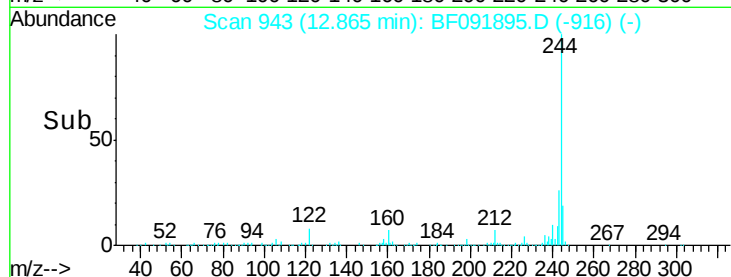
122 8.1 11.4 17.2#



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: 15.30 min Scan# 1156

Delta R.T. -0.00 min

Lab File: BF091895.D

Acq: 22 Dec 2016 19:26

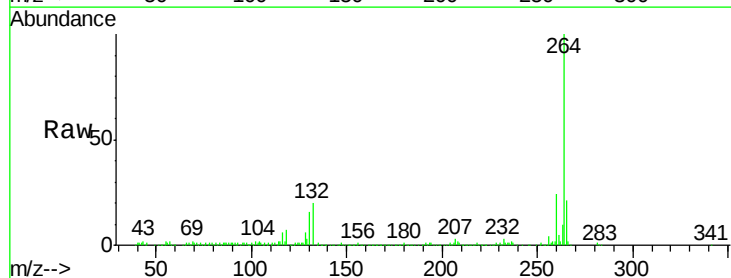
Tgt Ion:264 Resp: 316283

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 20.6 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

