

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122316\
 Data File : BF091928.D
 Acq On : 23 Dec 2016 17:17
 Operator : UM/SJ
 Sample : H6068-04RE
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-4

Quant Time: Dec 23 22:06:23 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	6.74	152	199029	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	777136	20.00	ng	-0.01
38) Acenaphthene-d10	9.78	164	328061	20.00	ng	-0.01
63) Phenanthrene-d10	11.26	188	573109	20.00	ng	0.00
75) Chrysene-d12	13.88	240	544562	20.00	ng	-0.02
86) Perylene-d12	15.28	264	431485	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	1606959	134.81	ng	0.03
7) Phenol-d6	6.43	99	1973579	135.61	ng	0.02
23) Nitrobenzene-d5	7.31	82	1271604	90.99	ng	-0.01
41) 2,4,6-Tribromophenol	10.58	330	386289	142.28	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	1932839	127.11	ng	0.00
78) Terphenyl-d14	12.85	244	1850730	82.42	ng	0.00

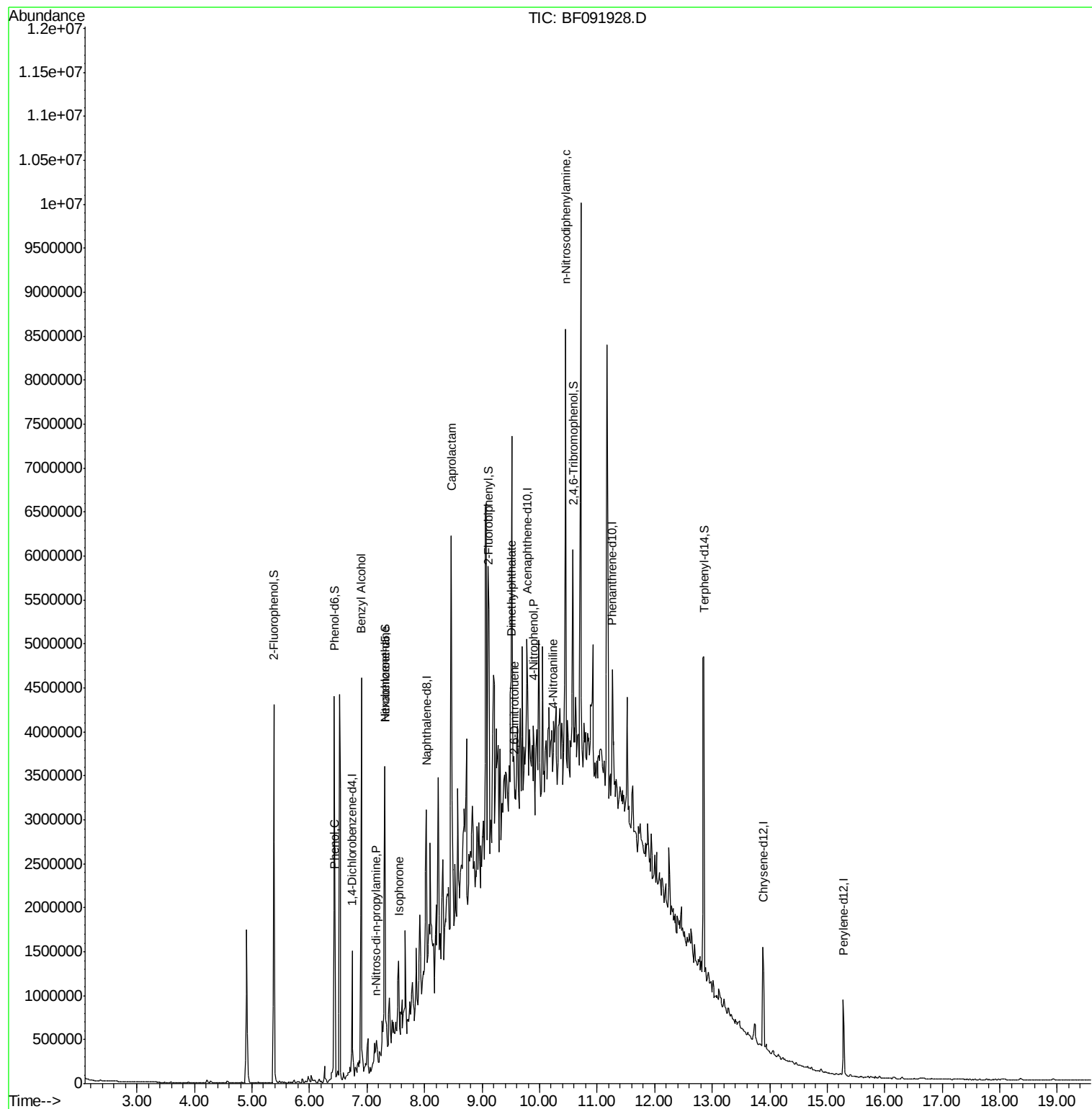
Target Compounds				Qvalue		
9) Benzaldehyde	6.26	77	1881	Below Cal	#	20
10) Phenol	6.44	94	86568	5.22	ng	98
15) Benzyl Alcohol	6.90	79	24381	2.16	ng	36
18) Hexachloroethane	7.31	117	37309	6.83	ng	2
19) n-Nitroso-di-n-propylamine	7.16	70	20487	2.12	ng	65
25) Isophorone	7.55	82	52888	2.05	ng	1
35) Caprolactam	8.46	113	122764	36.24	ng	1
37) 2-Methylnaphthalene	8.73	142	2597	Below Cal	#	1
49) Dimethylphthalate	9.50	163	197104	9.39	ng	94
50) 2,6-Dinitrotoluene	9.56	165	15547	3.39	ng	61
55) 4-Nitrophenol	9.89	139	12472	3.23	ng	1
61) 4-Nitroaniline	10.24	138	16581	2.82	ng	95
65) n-Nitrosodiphenylamine	10.45	169	143783	8.45	ng	46
71) Anthracene	11.38	178	14938	Below Cal	#	1
73) Di-n-butylphthalate	11.82	149	11618	Below Cal	#	33
74) Fluoranthene	12.69	202	35859	Below Cal	#	81
76) Benzydine	12.57	184	1991	Below Cal	#	1

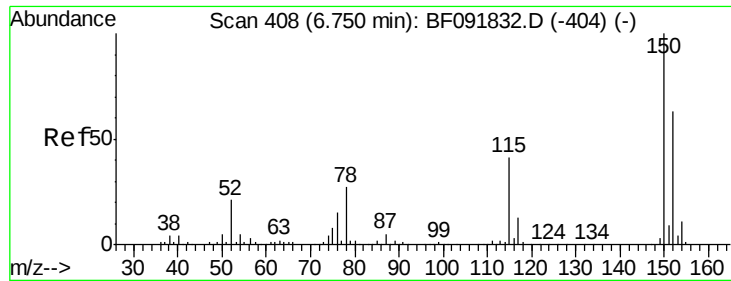
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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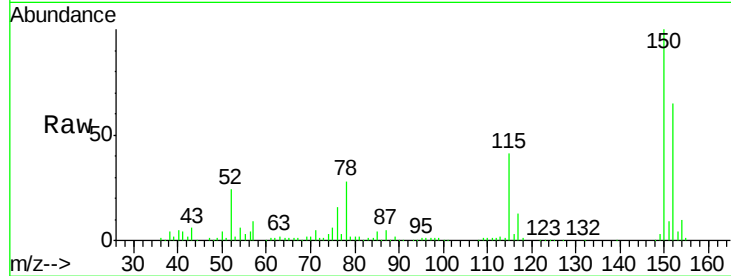


#1

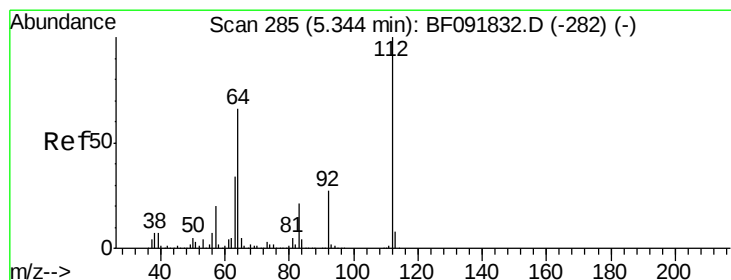
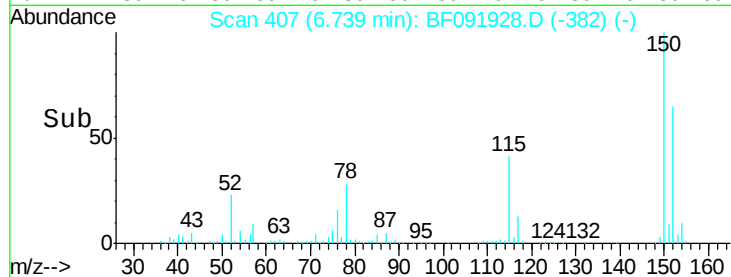
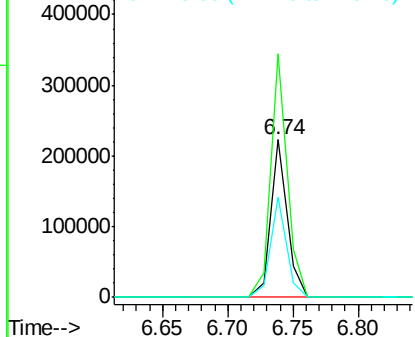
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.74 min Scan# 407
 Delta R.T. -0.01 min
 Lab File: BF091928.D
 Acq: 23 Dec 2016 17:17

Instrument :
 BNA_F
 ClientSampleId :
 B-4

Tgt Ion:152 Resp: 199029
 Ion Ratio Lower Upper
 152 100
 150 154.3 124.9 187.3
 115 63.3 46.0 69.0



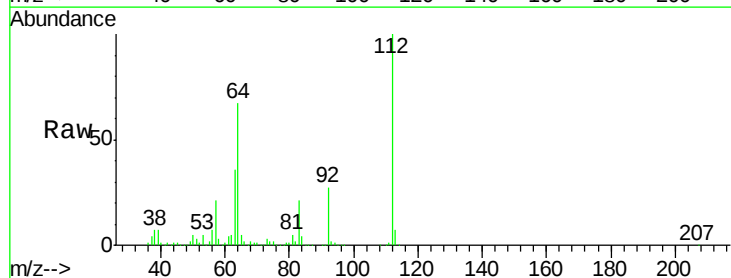
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



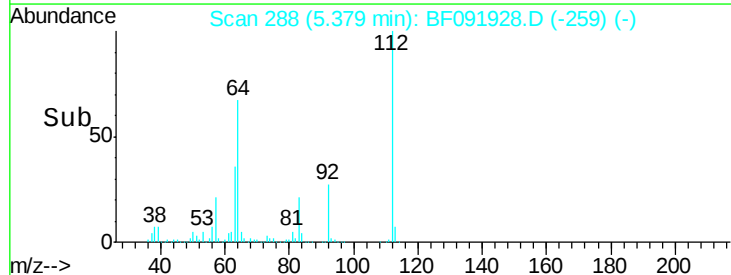
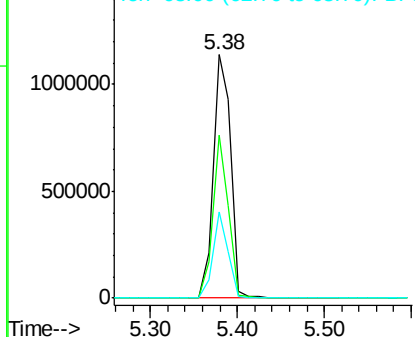
#5

2-Fluorophenol
 Concen: 134.81 ng
 RT: 5.38 min Scan# 288
 Delta R.T. 0.03 min
 Lab File: BF091928.D
 Acq: 23 Dec 2016 17:17

Tgt Ion:112 Resp: 1606959
 Ion Ratio Lower Upper
 112 100
 64 67.1 46.1 69.1
 63 35.6 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: 135.61 ng

RT: 6.43 min Scan# 380

Delta R.T. 0.02 min

Lab File: BF091928.D

Acq: 23 Dec 2016 17:17

Instrument :

BNA_F

ClientSampleId :

B-4

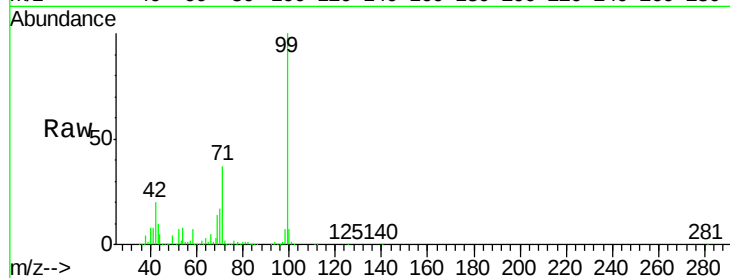
Tgt Ion: 99 Resp: 1973579

Ion Ratio Lower Upper

99 100

42 20.4 15.6 23.4

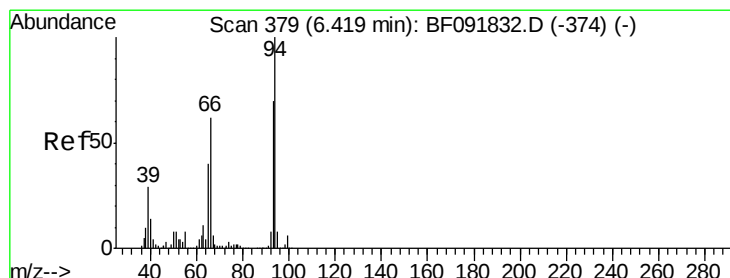
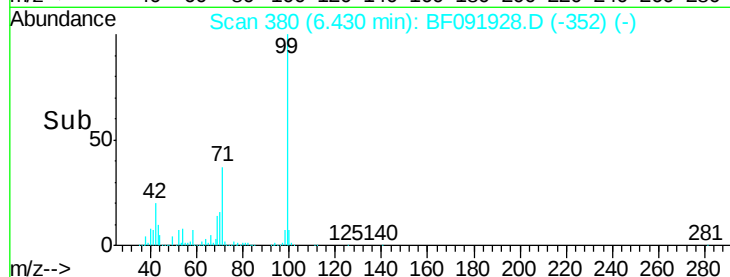
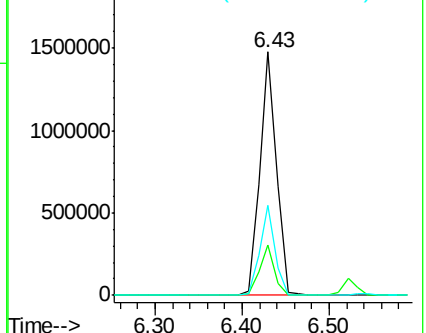
71 37.1 27.5 41.3



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: 5.22 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.02 min

Lab File: BF091928.D

Acq: 23 Dec 2016 17:17

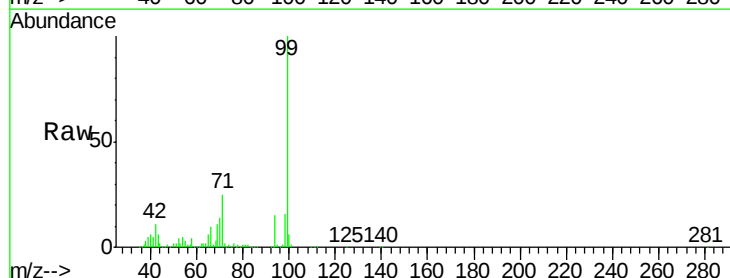
Tgt Ion: 94 Resp: 86568

Ion Ratio Lower Upper

94 100

65 38.4 21.4 61.4

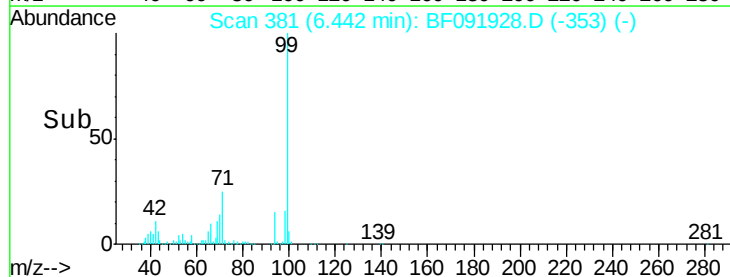
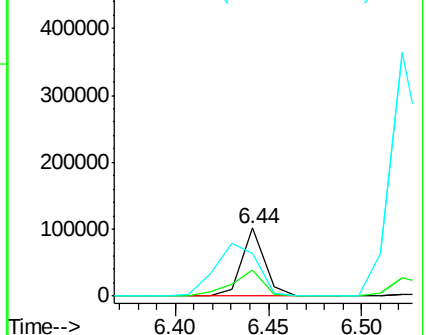
66 63.5 44.0 84.0

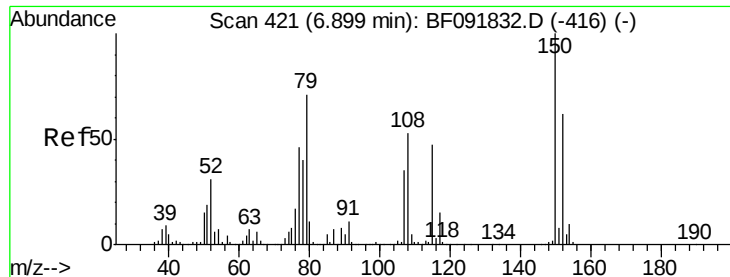


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.16 ng

RT: 6.90 min Scan# 421

Delta R.T. -0.00 min

Lab File: BF091928.D

Acq: 23 Dec 2016 17:17

Instrument :

BNA_F

ClientSampleId :

B-4

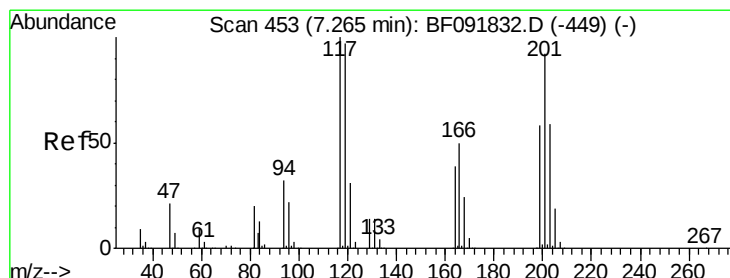
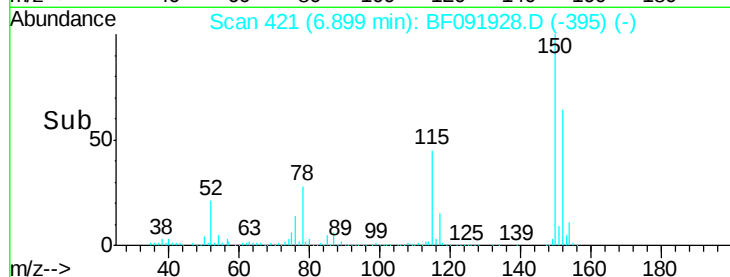
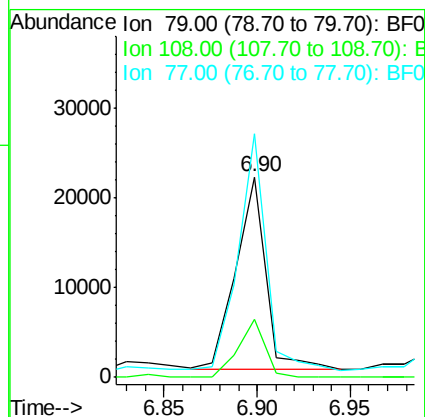
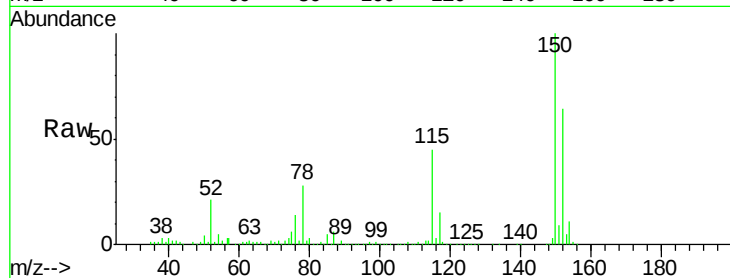
Tgt Ion: 79 Resp: 24381

Ion Ratio Lower Upper

79 100

108 28.8 61.4 92.0#

77 121.3 50.9 76.3#



#18

Hexachloroethane

Concen: 6.83 ng

RT: 7.31 min Scan# 457

Delta R.T. 0.05 min

Lab File: BF091928.D

Acq: 23 Dec 2016 17:17

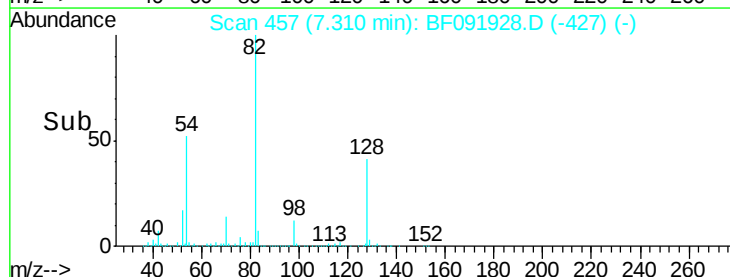
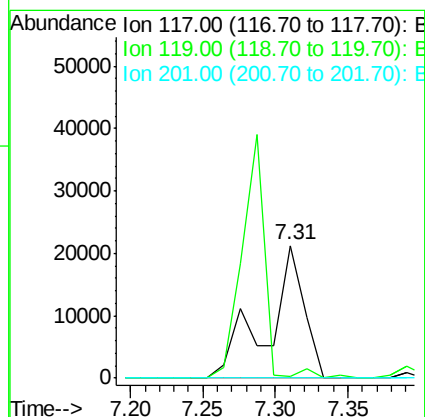
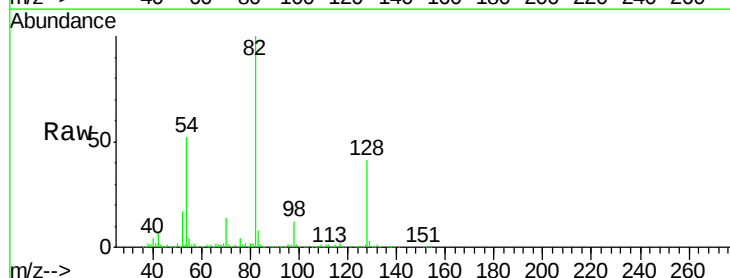
Tgt Ion: 117 Resp: 37309

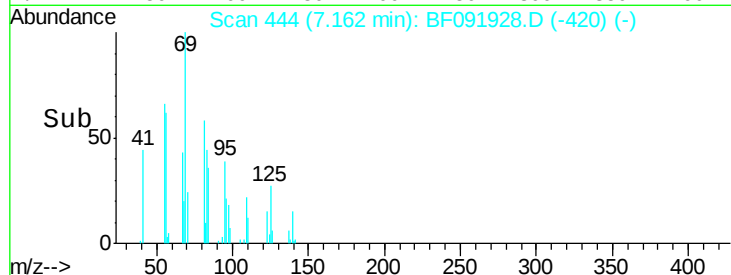
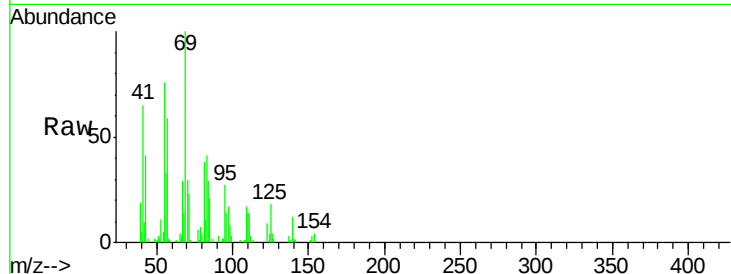
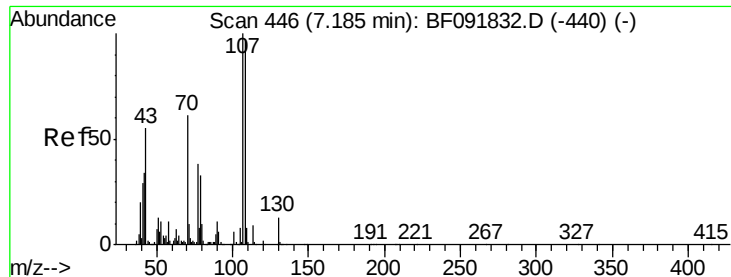
Ion Ratio Lower Upper

117 100

119 1.5 78.1 117.1#

201 0.0 78.6 117.8#

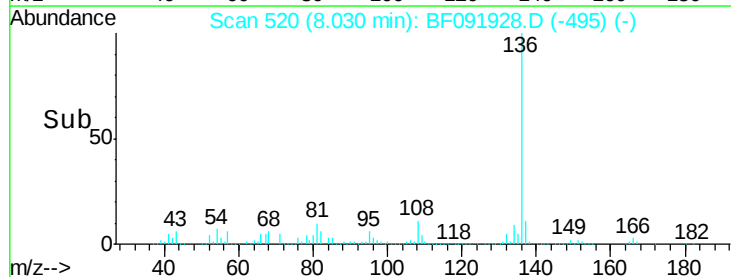
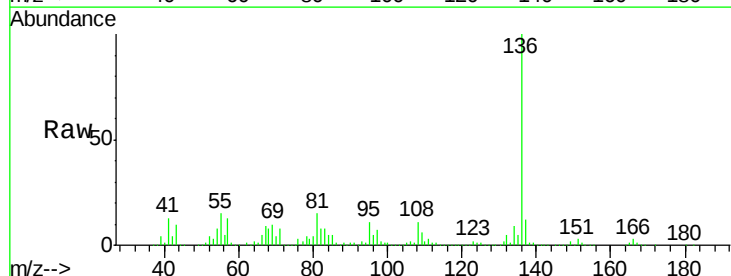
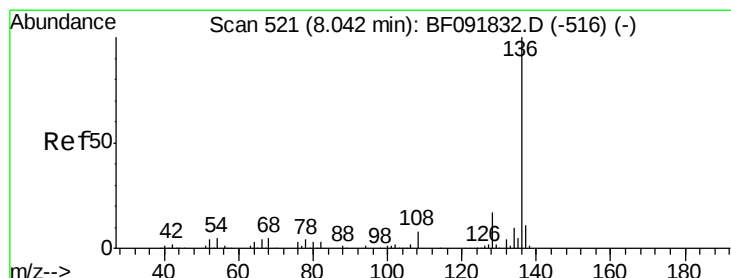
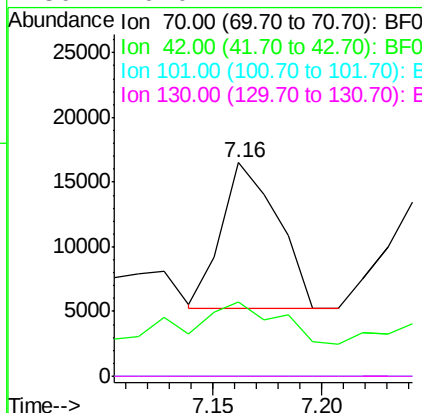




#19
n-Nitroso-di-n-propylamine
Concen: 2.12 ng
RT: 7.16 min Scan# 444
Delta R.T. -0.02 min
Lab File: BF091928.D
Acq: 23 Dec 2016 17:17

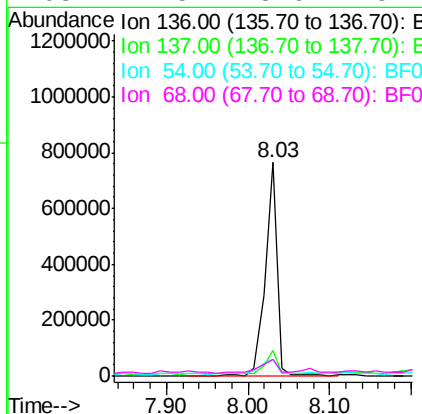
Instrument :
BNA_F
ClientSampleId :
B-4

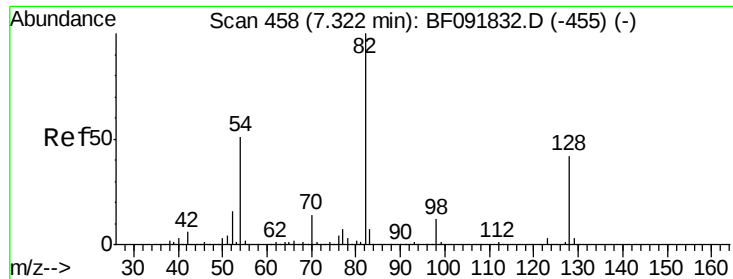
Tgt Ion: 70 Resp: 20487
Ion Ratio Lower Upper
70 100
42 34.6 49.4 74.0#
101 0.0 7.4 11.2#
130 0.0 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.01 min
Lab File: BF091928.D
Acq: 23 Dec 2016 17:17

Tgt Ion: 136 Resp: 777136
Ion Ratio Lower Upper
136 100
137 11.8 8.4 12.6
54 8.1 4.5 6.7#
68 7.5 3.6 5.4#

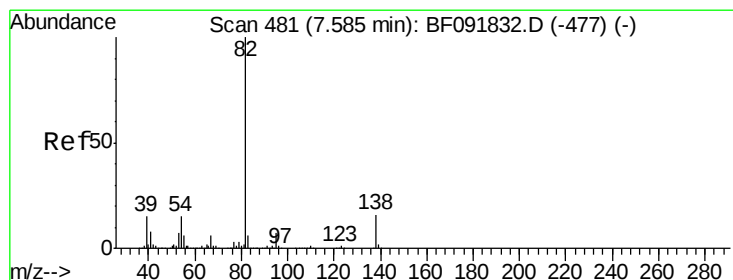
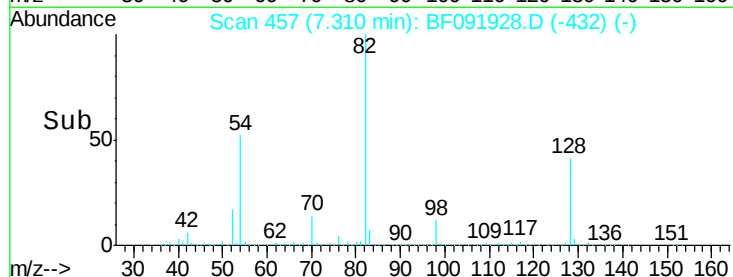
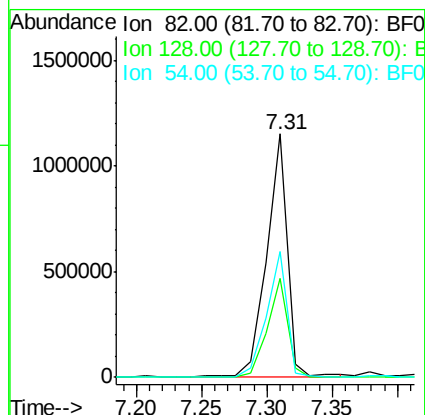
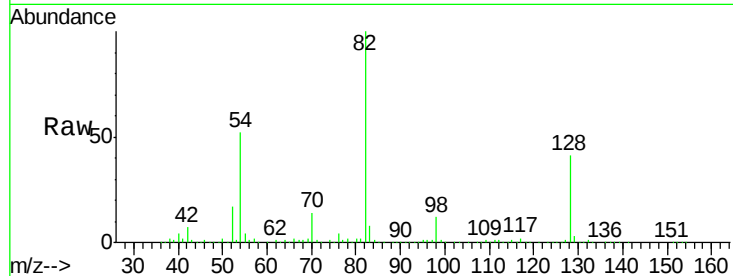




#23
 Nitrobenzene-d5
 Concen: 90.99 ng
 RT: 7.31 min Scan# 457
 Delta R.T. -0.01 min
 Lab File: BF091928.D
 Acq: 23 Dec 2016 17:17

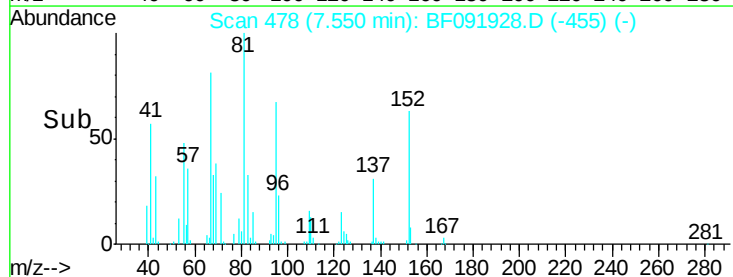
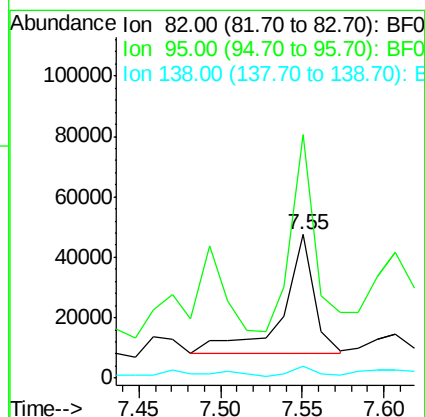
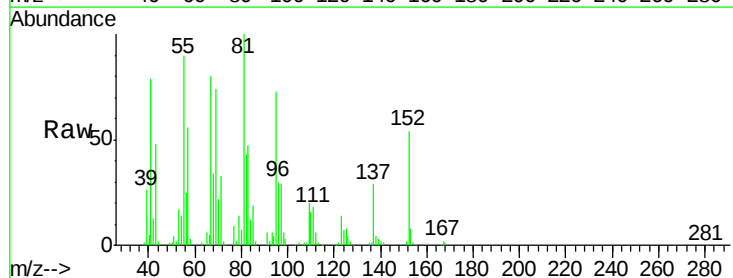
Instrument :
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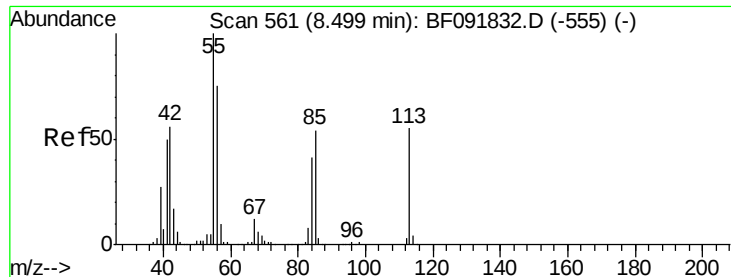
Tgt Ion: 82 Resp: 1271604
 Ion Ratio Lower Upper
 82 100
 128 40.8 34.6 52.0
 54 51.6 39.5 59.3



#25
 Isophorone
 Concen: 2.05 ng
 RT: 7.55 min Scan# 478
 Delta R.T. -0.03 min
 Lab File: BF091928.D
 Acq: 23 Dec 2016 17:17

Tgt Ion: 82 Resp: 52888
 Ion Ratio Lower Upper
 82 100
 95 170.0 5.6 8.4#
 138 8.3 14.6 22.0#

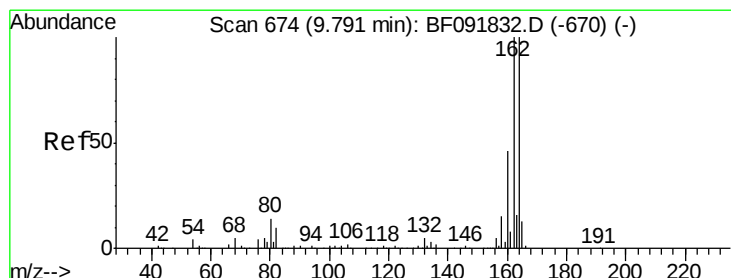
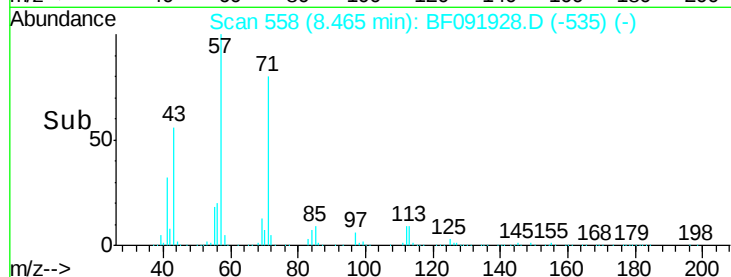
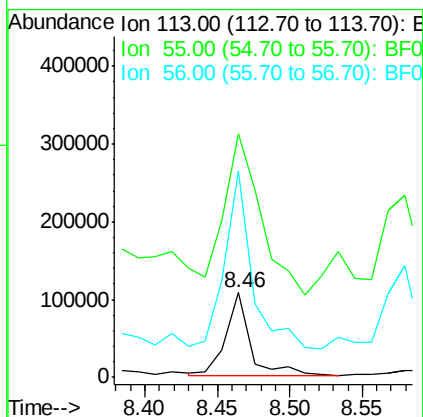
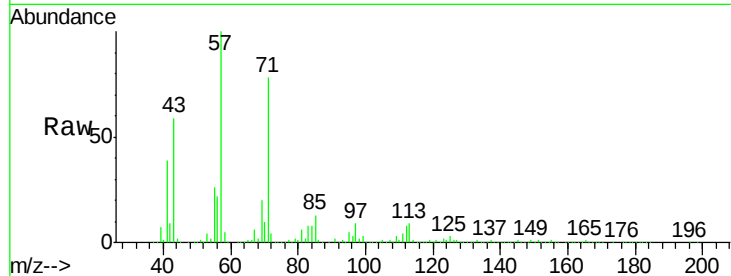




#35
 Caprolactam
 Concen: 36.24 ng
 RT: 8.46 min Scan# 558
 Delta R.T. -0.03 min
 Lab File: BF091928.D
 Acq: 23 Dec 2016 17:17

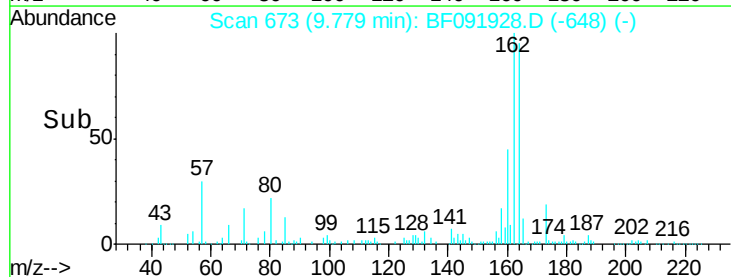
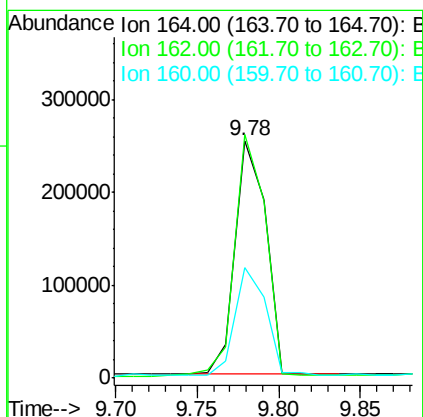
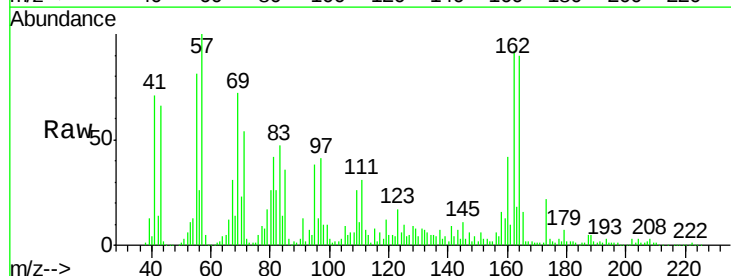
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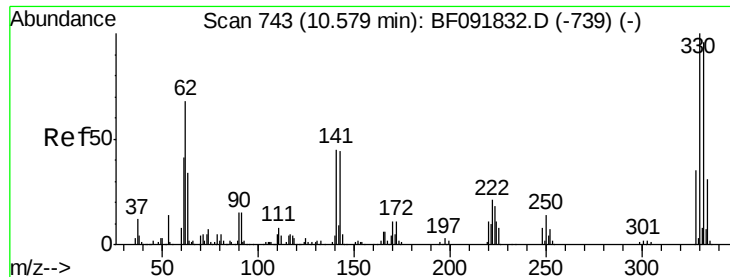
Tgt Ion:113 Resp: 122764
 Ion Ratio Lower Upper
 113 100
 55 288.3 119.2 159.2#
 56 245.2 83.8 123.8#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.78 min Scan# 673
 Delta R.T. -0.01 min
 Lab File: BF091928.D
 Acq: 23 Dec 2016 17:17

Tgt Ion:164 Resp: 328061
 Ion Ratio Lower Upper
 164 100
 162 102.4 80.2 120.2
 160 46.7 36.9 55.3

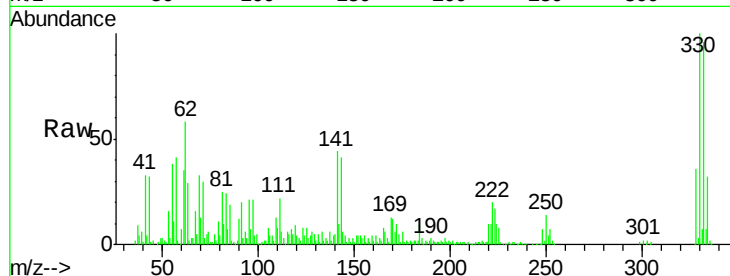




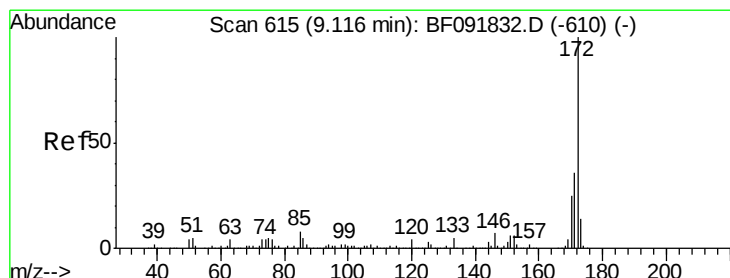
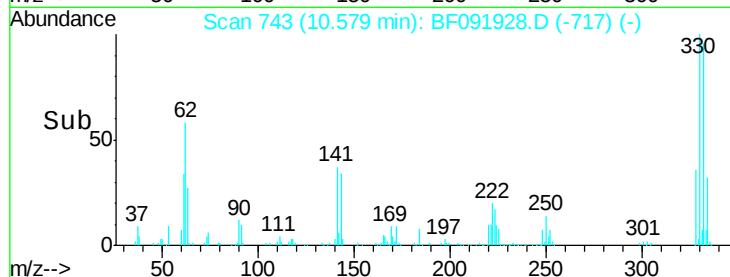
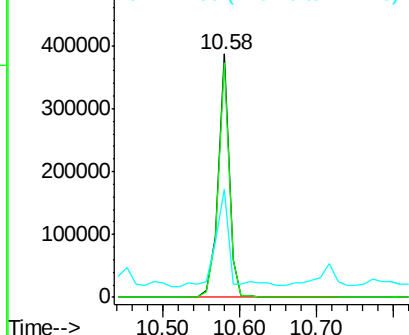
#41
 2,4,6-Tribromophenol
 Concen: 142.28 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.00 min
 Lab File: BF091928.D
 Acq: 23 Dec 2016 17:17

Instrument :
 BNA_F
 ClientSampleId :
 B-4

Tgt Ion:330 Resp: 386289
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.4 116.2
 141 45.9 34.1 51.1

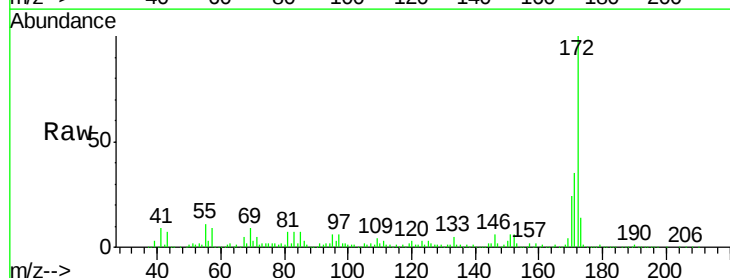


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

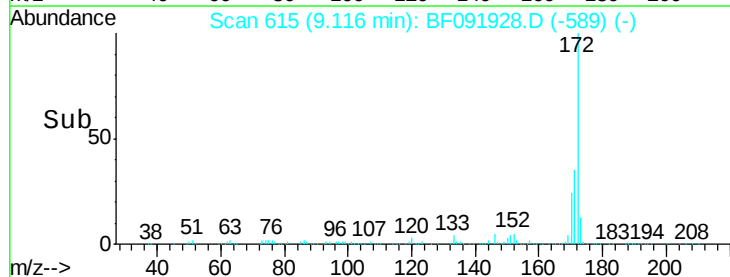
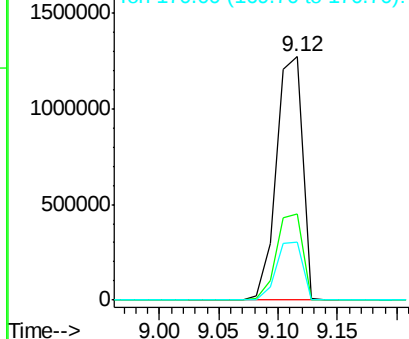


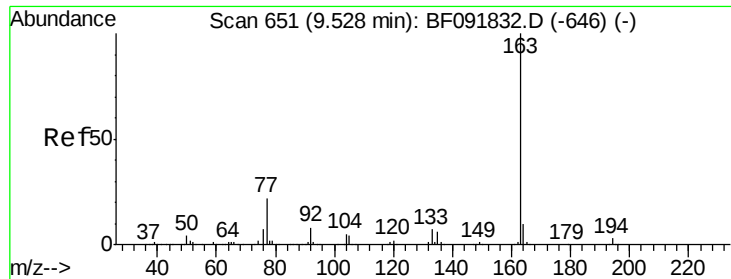
#44
 2-Fluorobiphenyl
 Concen: 127.11 ng
 RT: 9.12 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: BF091928.D
 Acq: 23 Dec 2016 17:17

Tgt Ion:172 Resp: 1932839
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.4 44.0
 170 23.8 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: 9.39 ng

RT: 9.50 min Scan# 649

Delta R.T. -0.02 min

Lab File: BF091928.D

Acq: 23 Dec 2016 17:17

Instrument :

BNA_F

ClientSampleId :

B-4

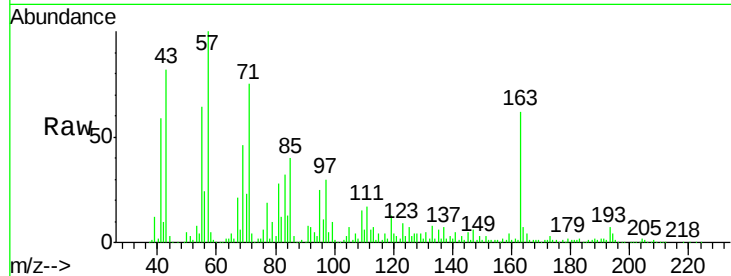
Tgt Ion:163 Resp: 197104

Ion Ratio Lower Upper

163 100

194 6.8 3.0 4.4#

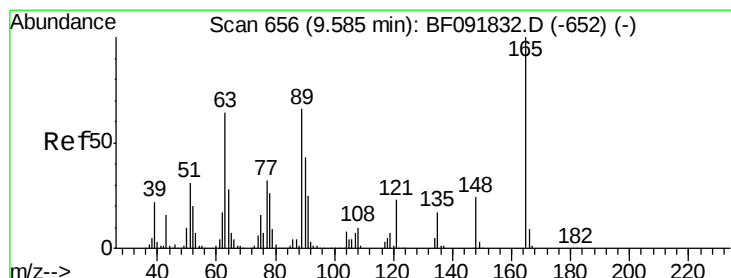
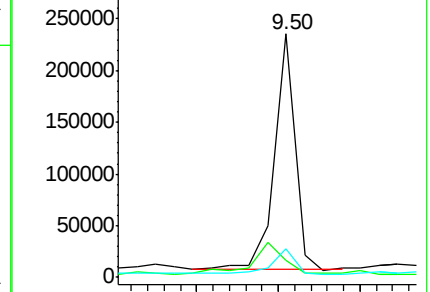
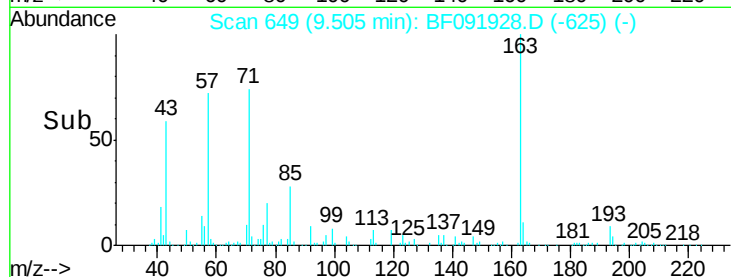
164 11.6 8.0 12.0



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: 3.39 ng

RT: 9.56 min Scan# 654

Delta R.T. -0.02 min

Lab File: BF091928.D

Acq: 23 Dec 2016 17:17

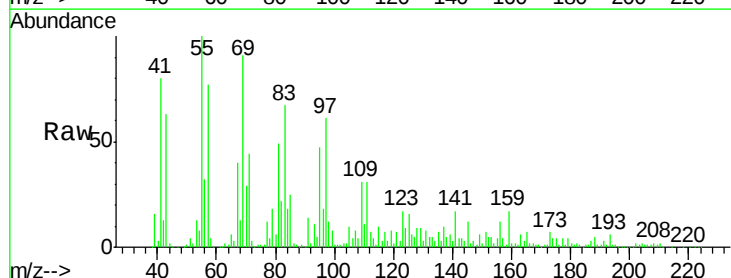
Tgt Ion:165 Resp: 15547

Ion Ratio Lower Upper

165 100

63 26.2 36.2 54.4#

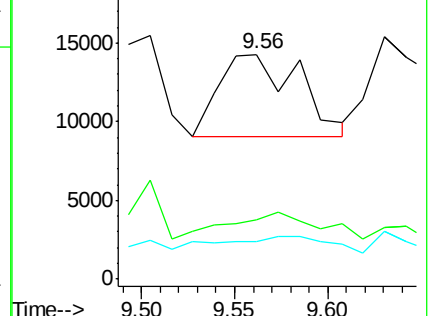
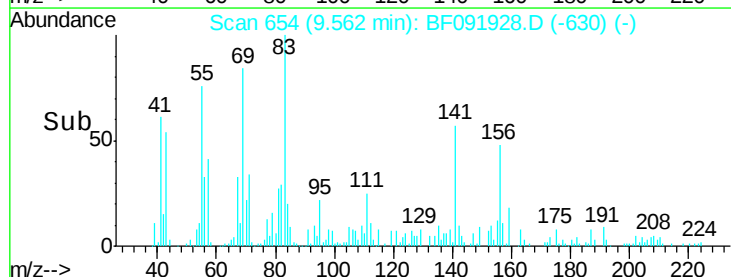
89 16.6 40.2 60.4#

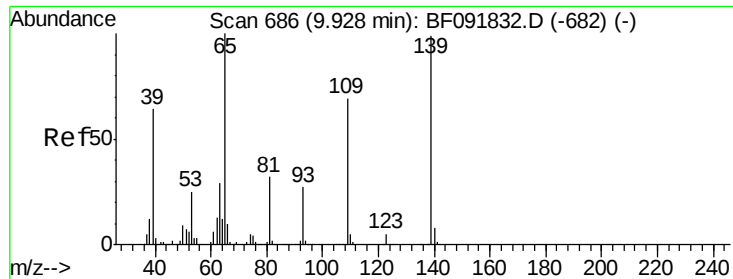


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

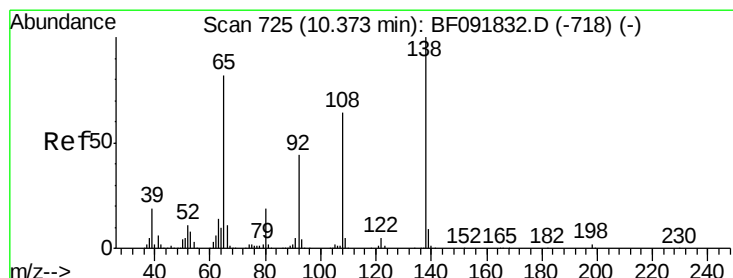
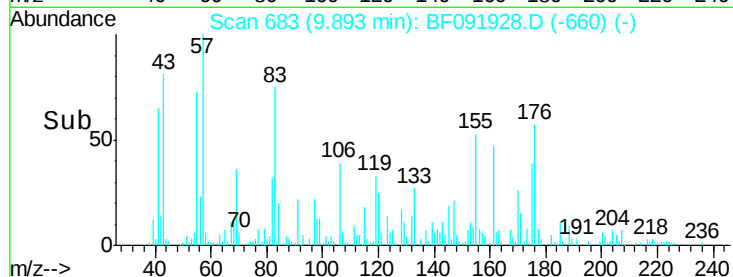
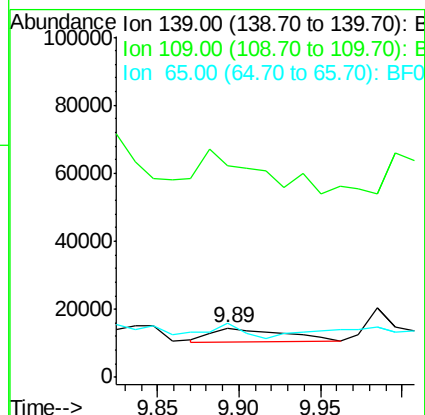
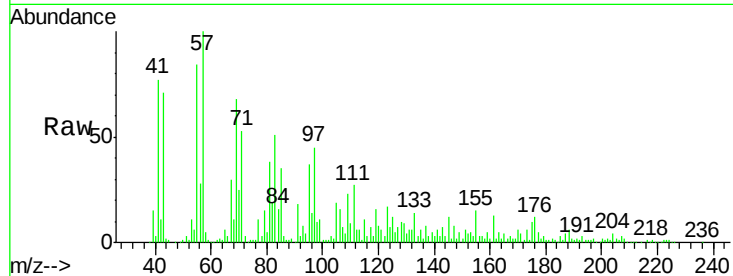




#55
4-Nitrophenol
Concen: 3.23 ng
RT: 9.89 min Scan# 683
Delta R.T. -0.03 min
Lab File: BF091928.D
Acq: 23 Dec 2016 17:17

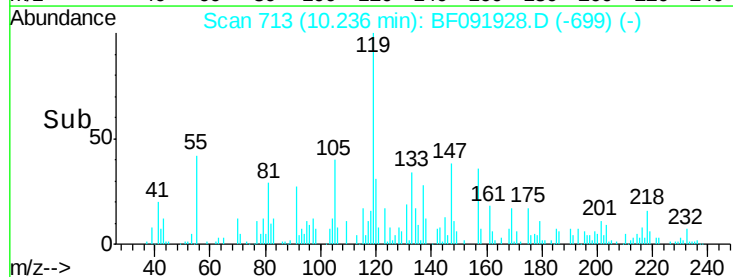
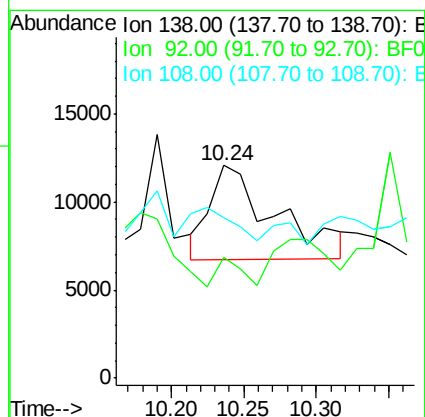
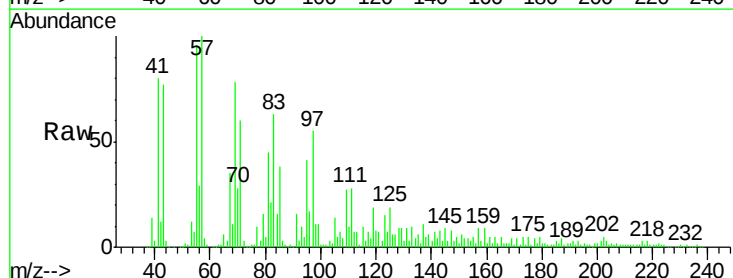
Instrument :
BNA_F
ClientSampled :
B-4

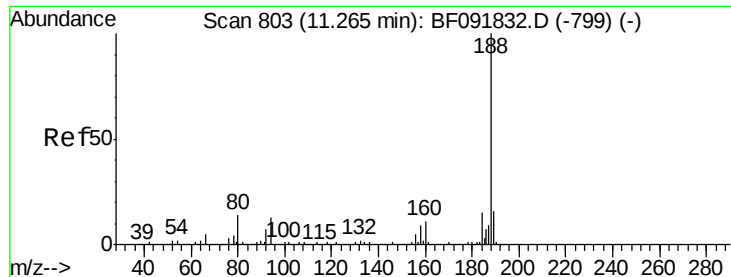
Tgt Ion:139 Resp: 12472
Ion Ratio Lower Upper
139 100
109 426.8 52.2 92.2#
65 109.9 85.8 125.8



#61
4-Nitroaniline
Concen: 2.82 ng
RT: 10.24 min Scan# 713
Delta R.T. -0.14 min
Lab File: BF091928.D
Acq: 23 Dec 2016 17:17

Tgt Ion:138 Resp: 16581
Ion Ratio Lower Upper
138 100
92 56.8 31.7 71.7
108 75.7 52.6 92.6

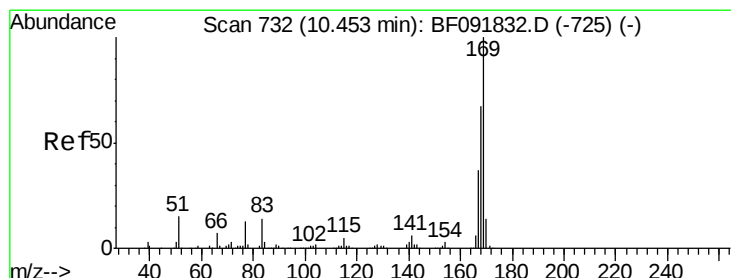
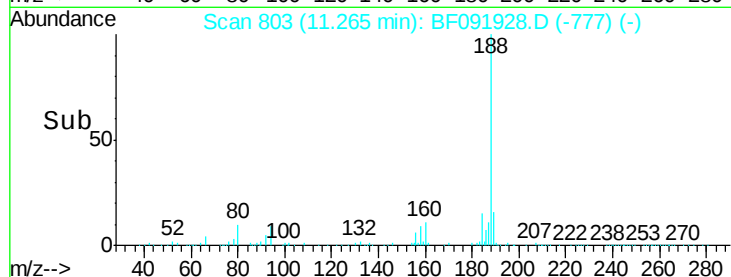
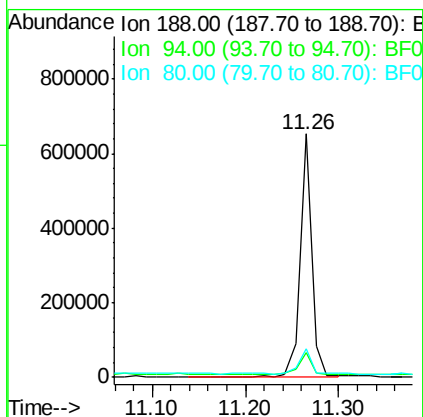
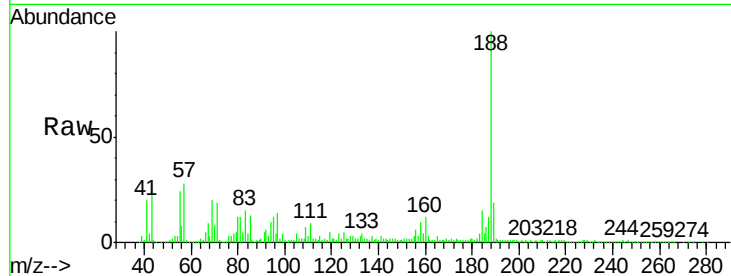




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF091928.D
Acq: 23 Dec 2016 17:17

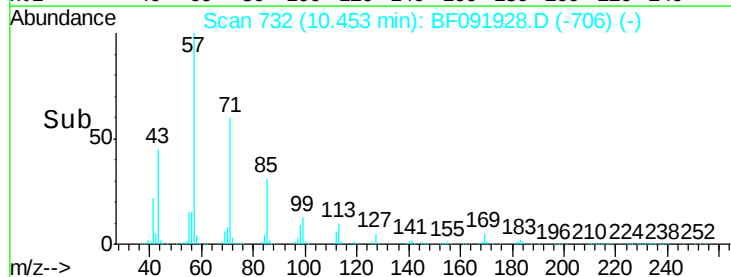
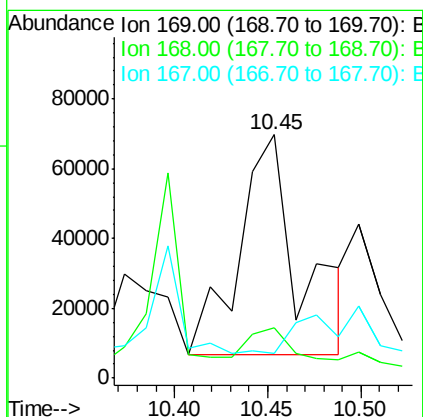
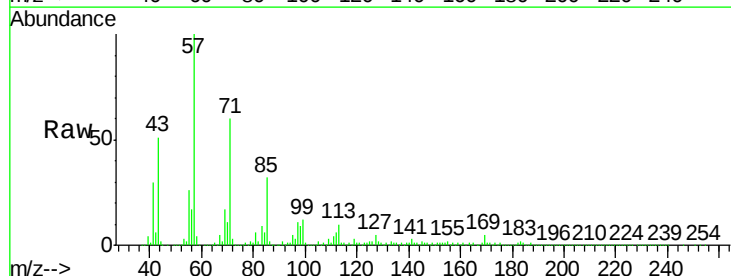
Instrument :
BNA_F
ClientSampleId :
B-4

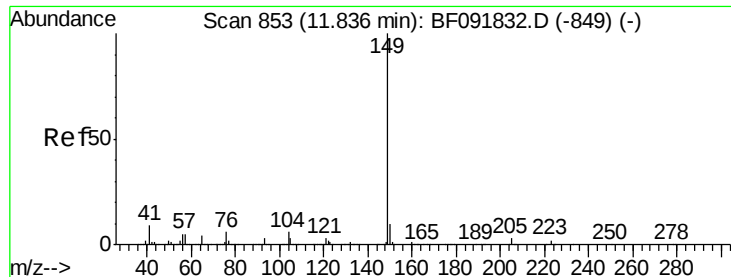
Tgt Ion:188 Resp: 573109
Ion Ratio Lower Upper
188 100
94 10.4 10.0 15.0
80 11.7 11.2 16.8



#65
n-Nitrosodiphenylamine
Concen: 8.45 ng
RT: 10.45 min Scan# 732
Delta R.T. -0.00 min
Lab File: BF091928.D
Acq: 23 Dec 2016 17:17

Tgt Ion:169 Resp: 143783
Ion Ratio Lower Upper
169 100
168 20.5 54.2 81.2#
167 10.2 30.2 45.4#





#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.82 min Scan# 852

Delta R.T. -0.01 min

Lab File: BF091928.D

Acq: 23 Dec 2016 17:17

Instrument :

BNA_F

ClientSampleId :

B-4

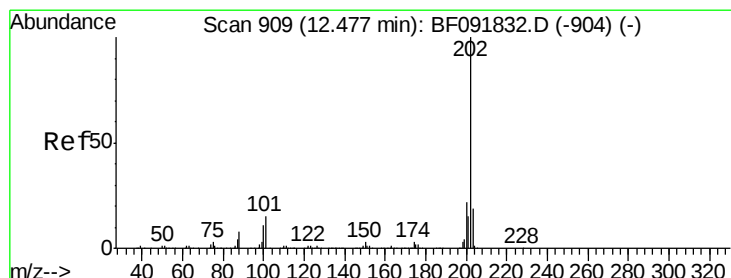
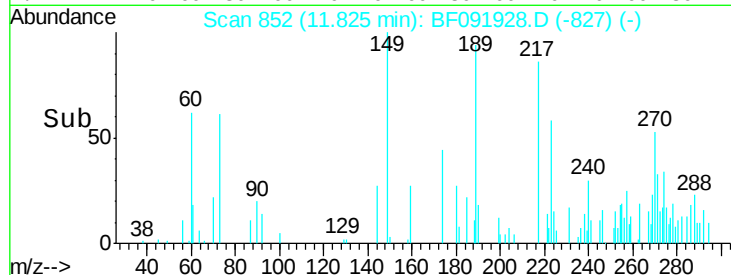
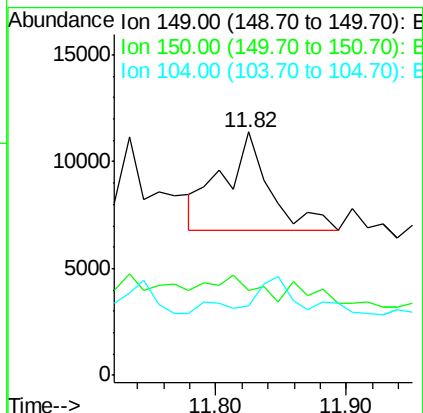
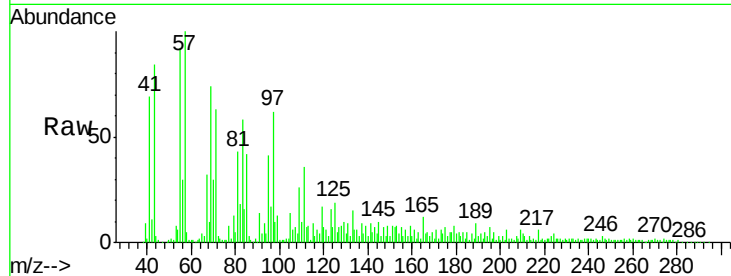
Tgt Ion:149 Resp: 11618

Ion Ratio Lower Upper

149 100

150 34.8 8.1 12.1#

104 28.5 4.6 7.0#



#74

Fluoranthene

Concen: Below Cal

RT: 12.69 min Scan# 928

Delta R.T. 0.22 min

Lab File: BF091928.D

Acq: 23 Dec 2016 17:17

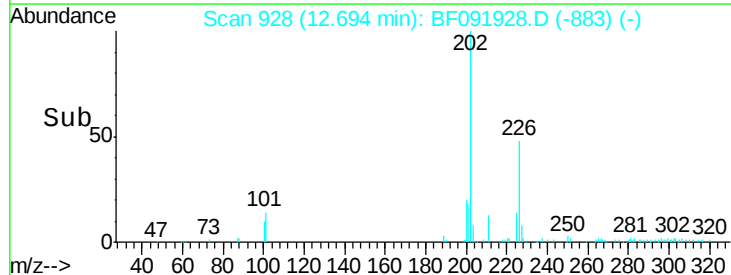
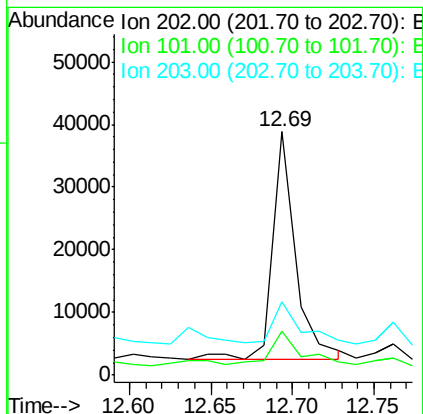
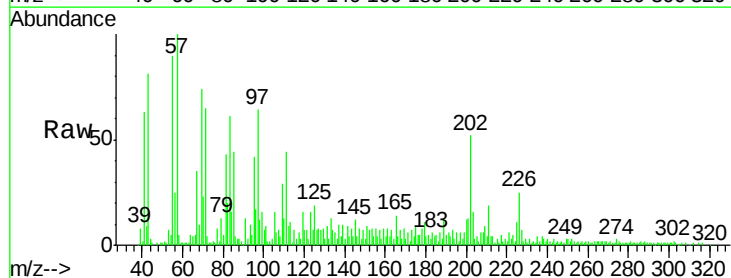
Tgt Ion:202 Resp: 35859

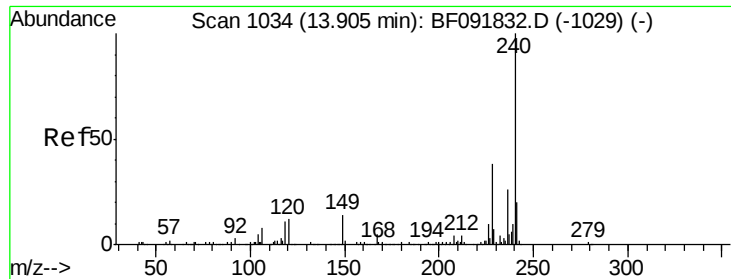
Ion Ratio Lower Upper

202 100

101 18.3 0.0 34.6

203 30.4 0.0 38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF091928.D

Acq: 23 Dec 2016 17:17

Instrument :

BNA_F

ClientSampled :

B-4

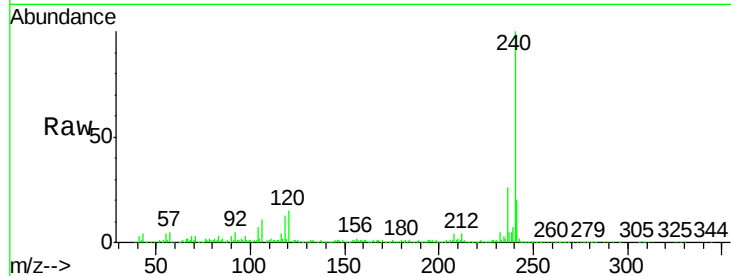
Tgt Ion:240 Resp: 544562

Ion Ratio Lower Upper

240 100

120 15.3 12.9 19.3

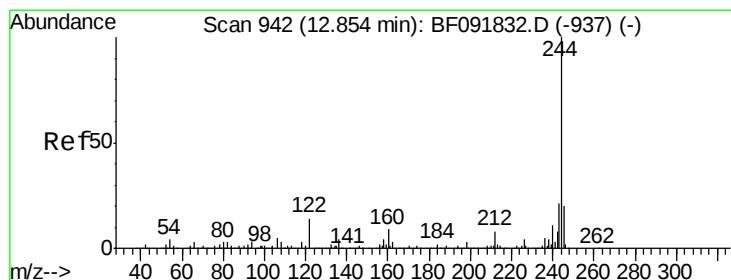
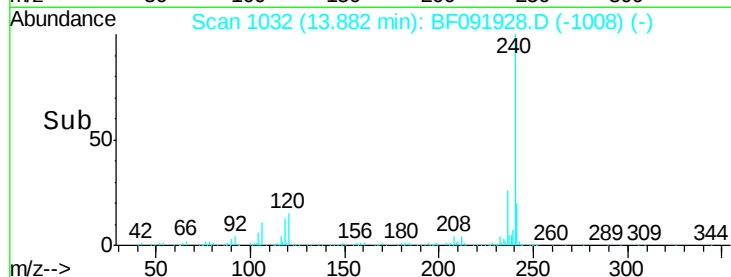
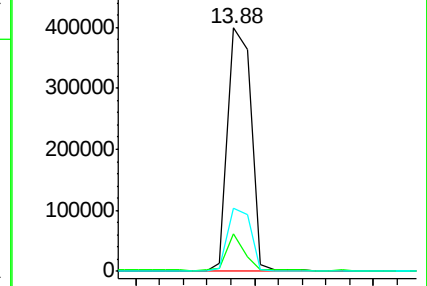
236 26.1 20.9 31.3



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: 82.42 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF091928.D

Acq: 23 Dec 2016 17:17

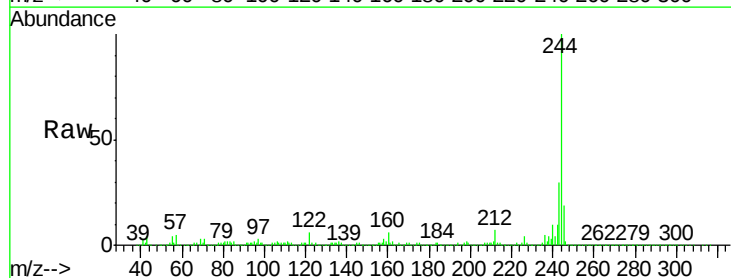
Tgt Ion:244 Resp: 1850730

Ion Ratio Lower Upper

244 100

212 7.0 6.2 9.2

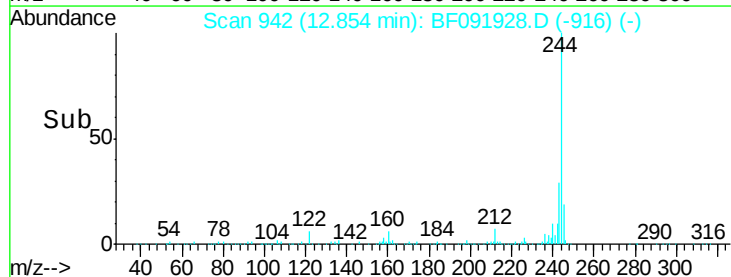
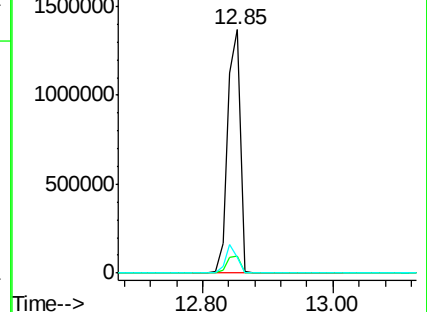
122 6.4 11.4 17.2#

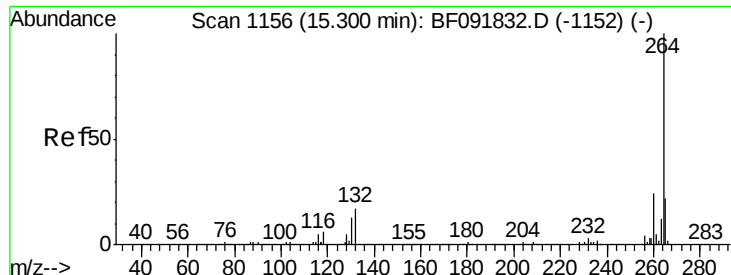


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

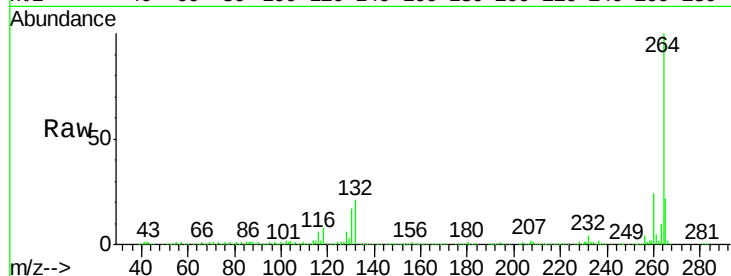




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.28 min Scan# 1154
Delta R.T. -0.02 min
Lab File: BF091928.D
Acq: 23 Dec 2016 17:17

Instrument :
BNA_F
ClientSampleId :
B-4

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.7	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

