

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122316\
 Data File : BF091929.D
 Acq On : 23 Dec 2016 17:44
 Operator : UM/SJ
 Sample : H6068-05RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-5

Quant Time: Dec 23 22:06:40 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	188920	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	758681	20.00	ng	-0.01
38) Acenaphthene-d10	9.78	164	324147	20.00	ng	-0.01
63) Phenanthrene-d10	11.26	188	570235	20.00	ng	0.00
75) Chrysene-d12	13.88	240	569080	20.00	ng	-0.02
86) Perylene-d12	15.28	264	431324	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	1522788	134.59	ng	0.03
7) Phenol-d6	6.43	99	1791722	129.71	ng	0.02
23) Nitrobenzene-d5	7.31	82	1250163	91.63	ng	-0.01
41) 2,4,6-Tribromophenol	10.58	330	369159	137.61	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	1809181	119.61	ng	-0.01
78) Terphenyl-d14	12.84	244	1680092	71.60	ng	-0.01

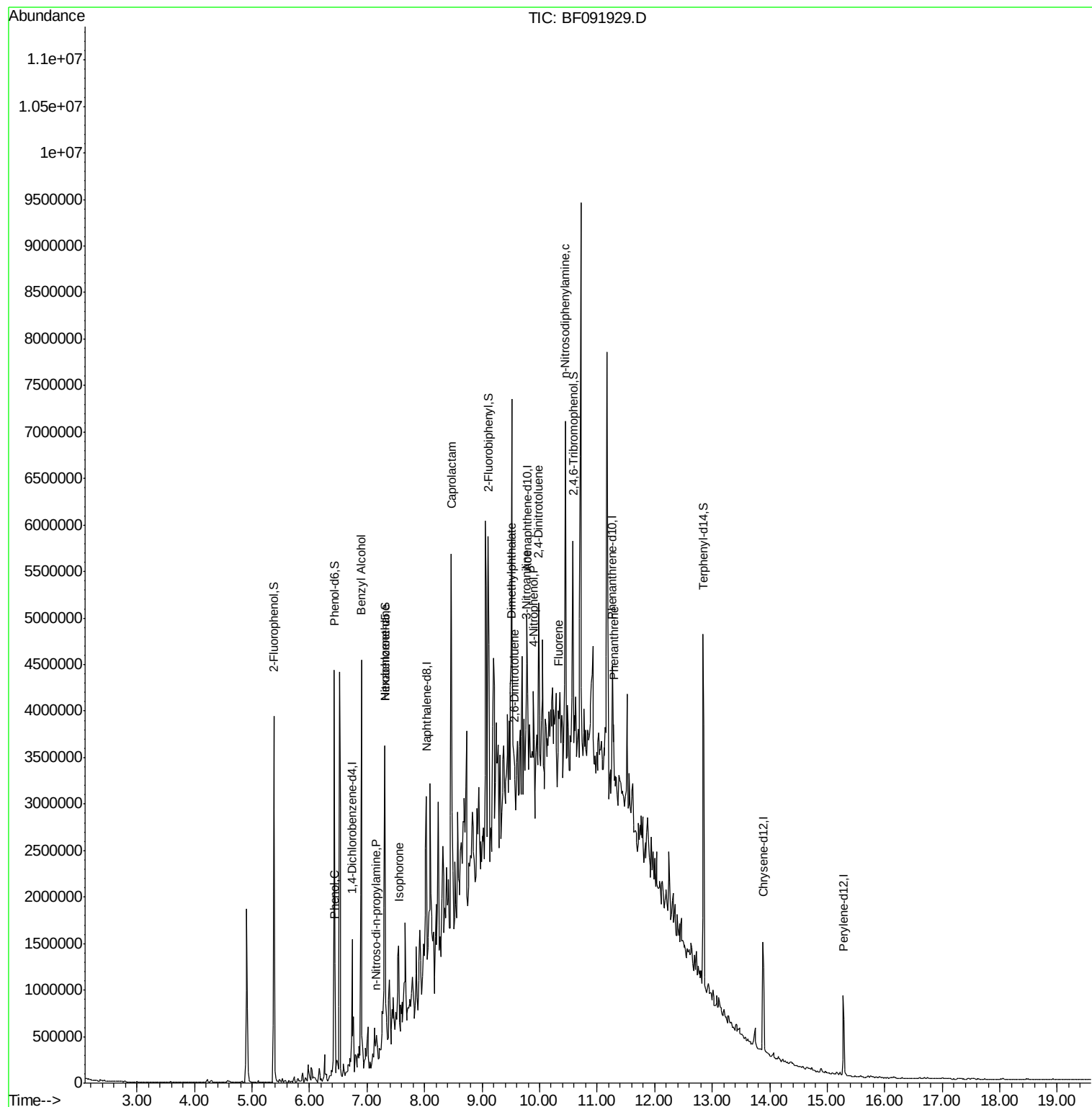
Target Compounds				Qvalue		
10) Phenol	6.44	94	76808	4.88	ng	86
15) Benzyl Alcohol	6.90	79	24675	2.30	ng	# 38
18) Hexachloroethane	7.31	117	31784	6.13	ng	# 3
19) n-Nitroso-di-n-propylamine	7.16	70	20783	2.26	ng	# 66
25) Isophorone	7.55	82	67422	2.68	ng	# 1
35) Caprolactam	8.46	113	105580	31.92	ng	# 1
49) Dimethylphthalate	9.50	163	176351	8.51	ng	# 95
50) 2,6-Dinitrotoluene	9.56	165	13147	2.90	ng	# 71
52) 3-Nitroaniline	9.77	138	13654	2.43	ng	# 25
55) 4-Nitrophenol	9.89	139	27942	7.33	ng	# 1
56) 2,4-Dinitrotoluene	9.98	165	12358	2.17	ng	# 61
57) Fluorene	10.33	166	37116	2.06	ng	# 66
65) n-Nitrosodiphenylamine	10.44	169	159214	9.41	ng	# 49
70) Phenanthrene	11.29	178	119564	3.87	ng	# 89
73) Di-n-butylphthalate	11.80	149	9224	Below Cal	#	7
74) Fluoranthene	12.46	202	34505	Below Cal	#	81
76) Benzydine	12.57	184	1916	Below Cal	#	1

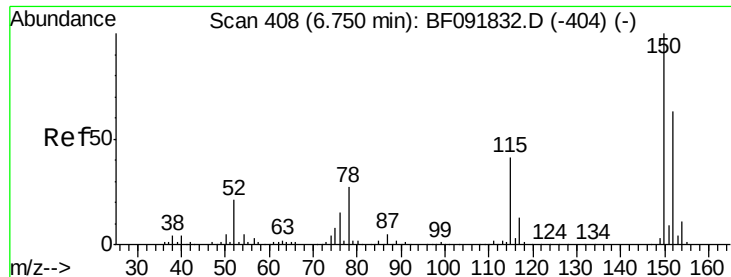
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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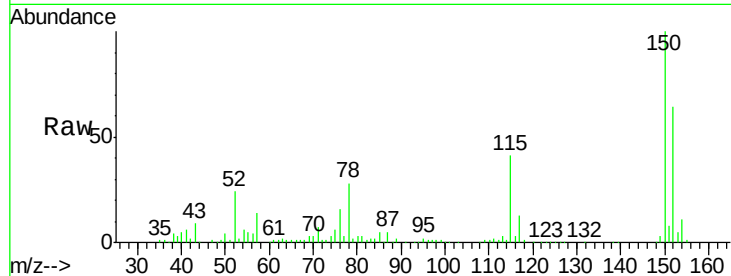


#1

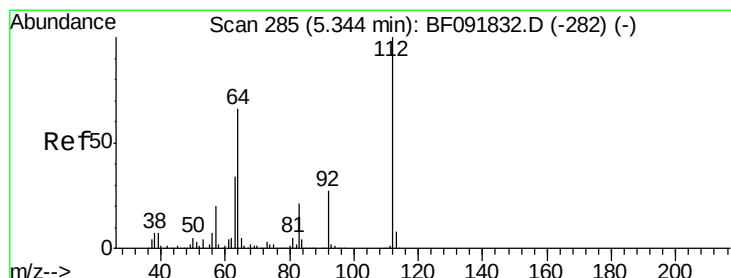
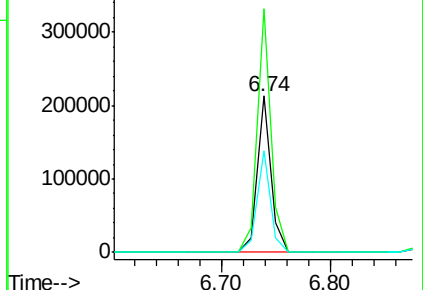
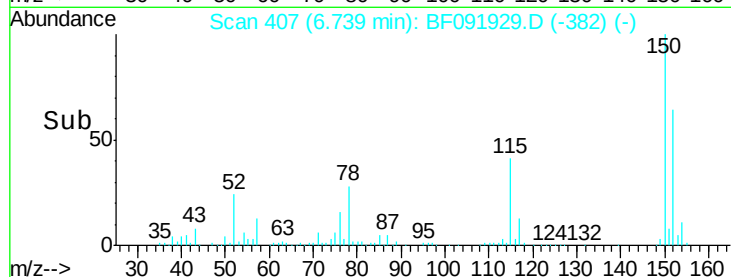
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.74 min Scan# 407
Delta R.T. -0.01 min
Lab File: BF091929.D
Acq: 23 Dec 2016 17:44

Instrument :
BNA_F
ClientSampled :
B-5

Tgt Ion:152 Resp: 188920
Ion Ratio Lower Upper
152 100
150 155.9 124.9 187.3
115 64.7 46.0 69.0



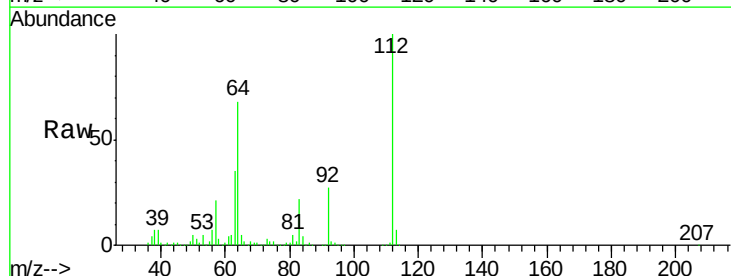
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



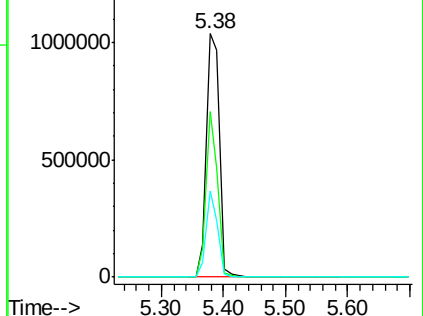
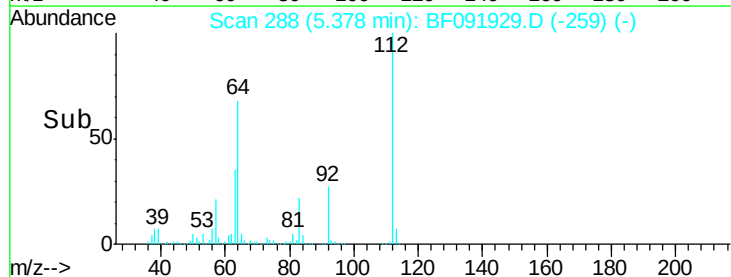
#5

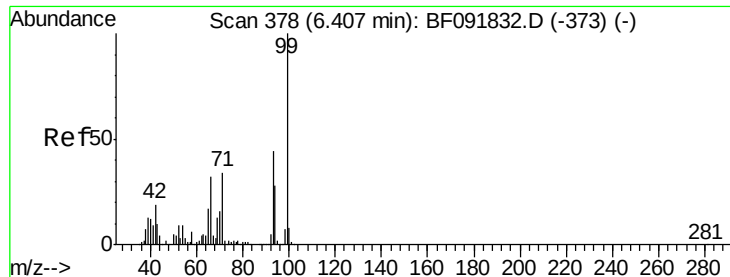
2-Fluorophenol
Concen: 134.59 ng
RT: 5.38 min Scan# 288
Delta R.T. 0.03 min
Lab File: BF091929.D
Acq: 23 Dec 2016 17:44

Tgt Ion:112 Resp: 1522788
Ion Ratio Lower Upper
112 100
64 67.8 46.1 69.1
63 35.2 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: 129.71 ng

RT: 6.43 min Scan# 380

Delta R.T. 0.02 min

Lab File: BF091929.D

Acq: 23 Dec 2016 17:44

Instrument :

BNA_F

ClientSampleId :

B-5

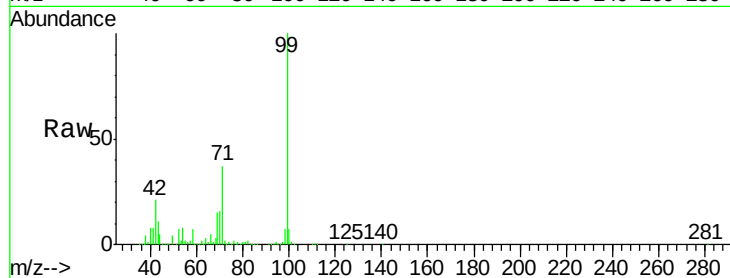
Tgt Ion: 99 Resp: 1791722

Ion Ratio Lower Upper

99 100

42 20.7 15.6 23.4

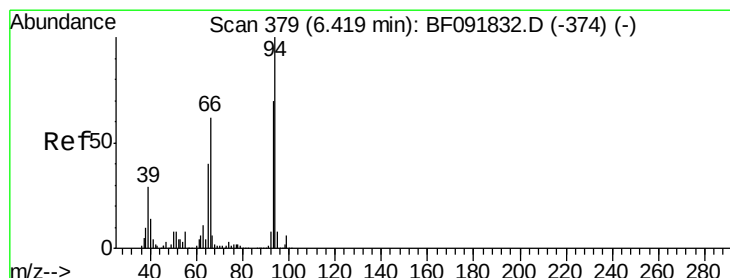
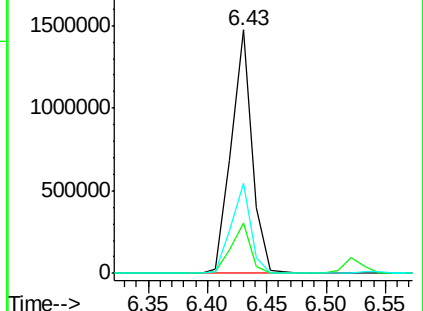
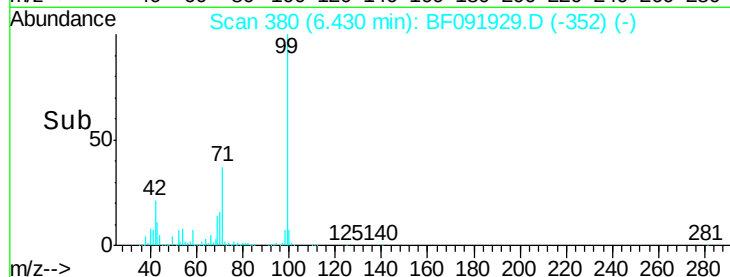
71 37.2 27.5 41.3



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: 4.88 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.02 min

Lab File: BF091929.D

Acq: 23 Dec 2016 17:44

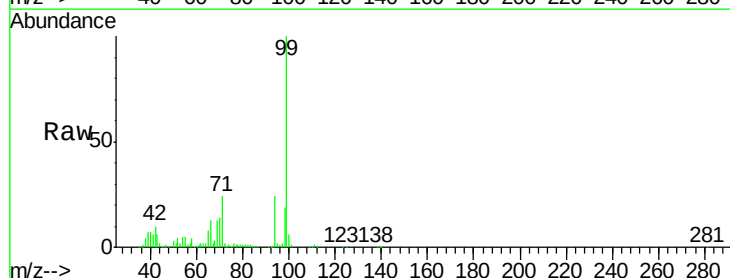
Tgt Ion: 94 Resp: 76808

Ion Ratio Lower Upper

94 100

65 32.4 21.4 61.4

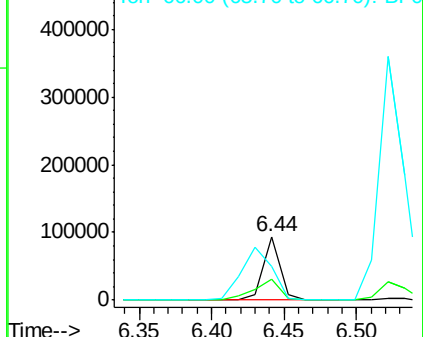
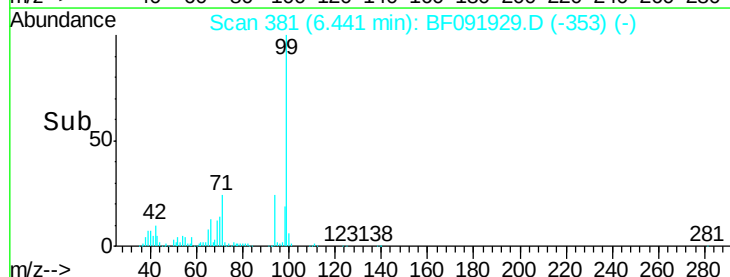
66 53.4 44.0 84.0

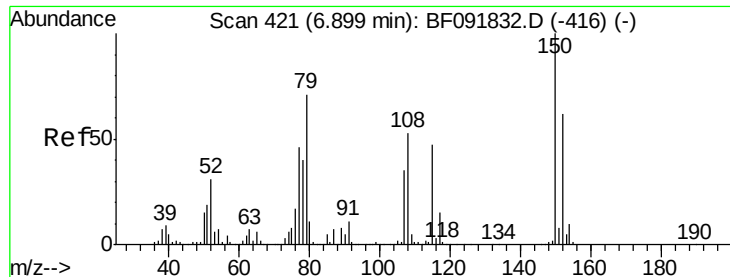


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.30 ng

RT: 6.90 min Scan# 421

Delta R.T. -0.00 min

Lab File: BF091929.D

Acq: 23 Dec 2016 17:44

Instrument :

BNA_F

ClientSampleId :

B-5

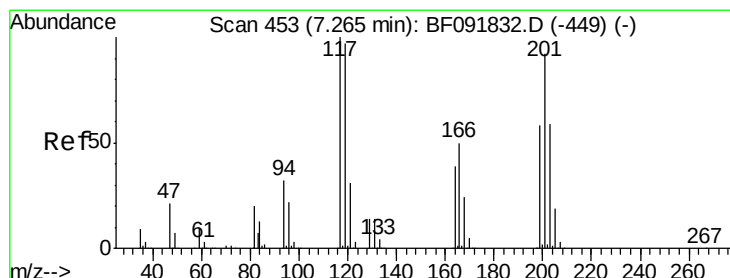
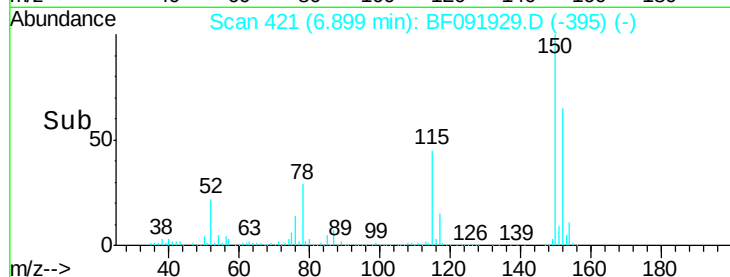
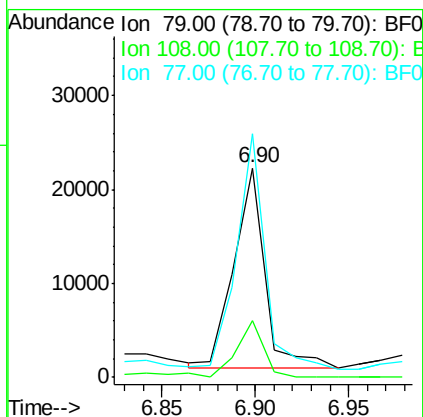
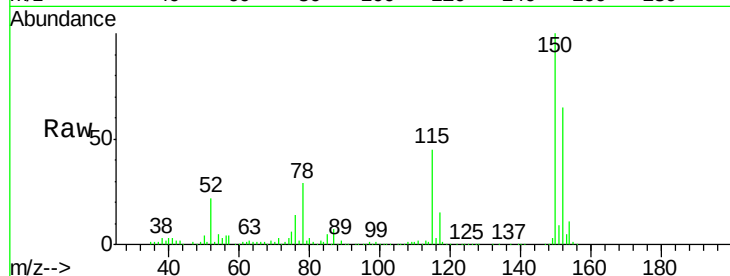
Tgt Ion: 79 Resp: 24675

Ion Ratio Lower Upper

79 100

108 27.3 61.4 92.0#

77 116.5 50.9 76.3#



#18

Hexachloroethane

Concen: 6.13 ng

RT: 7.31 min Scan# 457

Delta R.T. 0.05 min

Lab File: BF091929.D

Acq: 23 Dec 2016 17:44

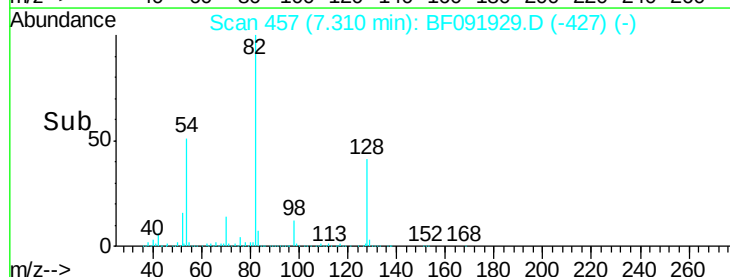
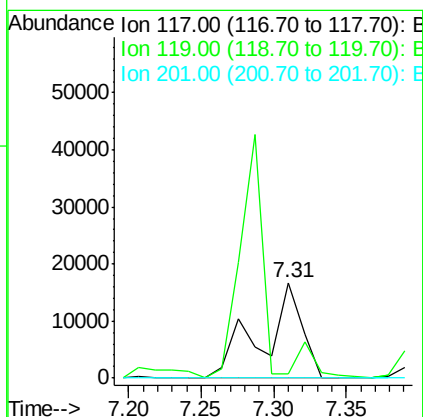
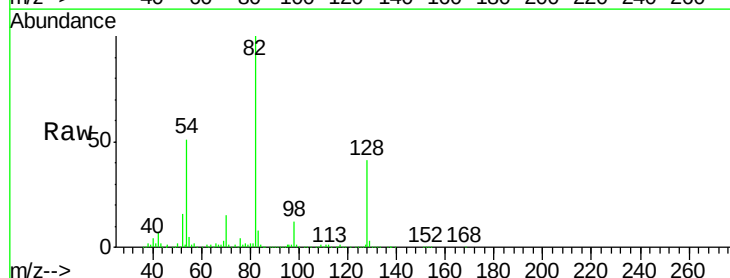
Tgt Ion: 117 Resp: 31784

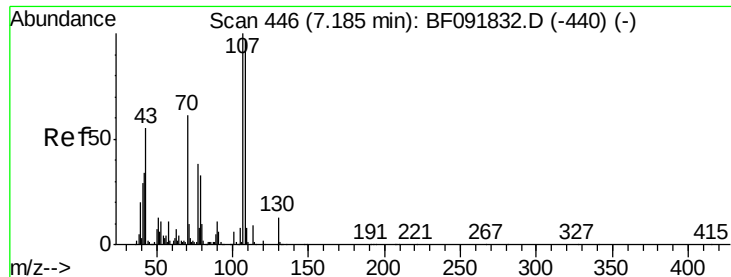
Ion Ratio Lower Upper

117 100

119 4.0 78.1 117.1#

201 0.0 78.6 117.8#

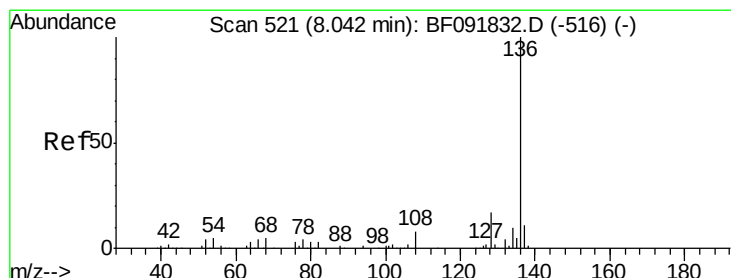
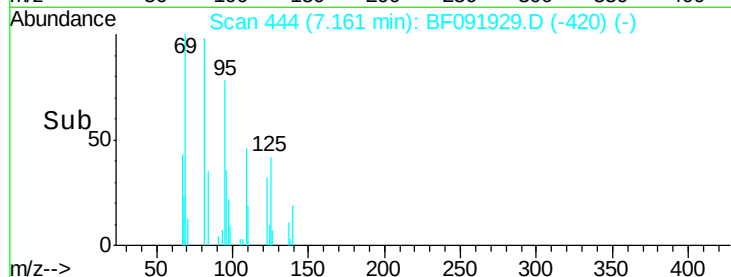
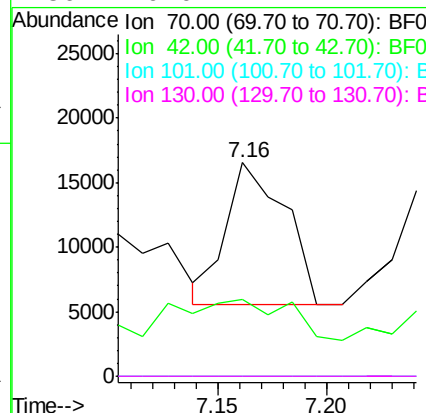
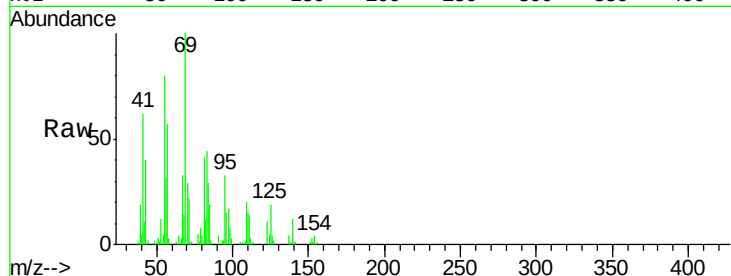




#19
n-Nitroso-di-n-propylamine
Concen: 2.26 ng
RT: 7.16 min Scan# 444
Delta R.T. -0.02 min
Lab File: BF091929.D
Acq: 23 Dec 2016 17:44

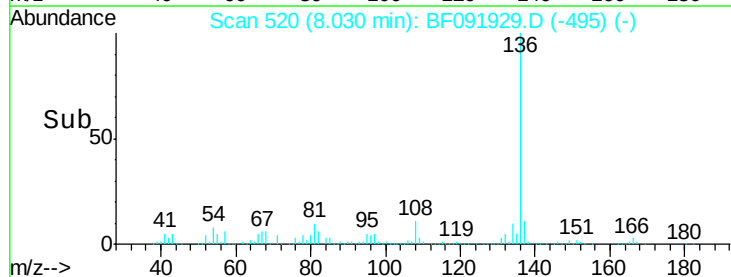
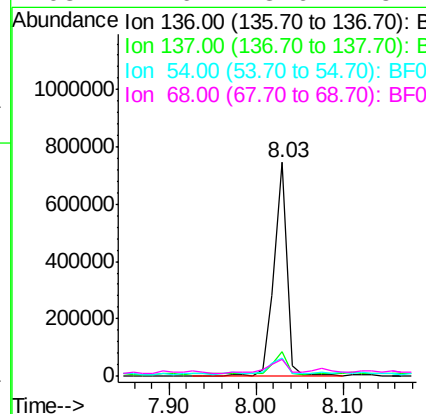
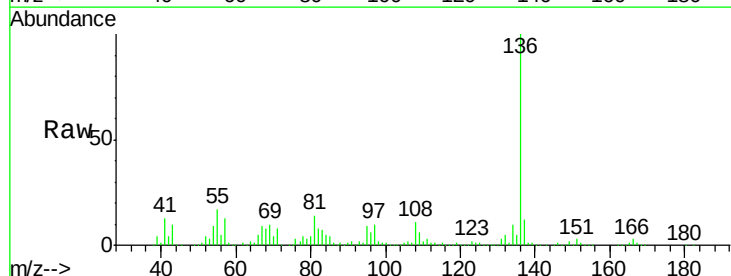
Instrument :
BNA_F
ClientSampleId :
B-5

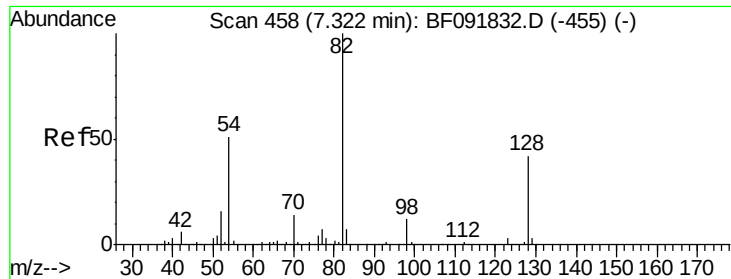
Tgt Ion: 70 Resp: 20783
Ion Ratio Lower Upper
70 100
42 36.2 49.4 74.0#
101 0.0 7.4 11.2#
130 0.0 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.01 min
Lab File: BF091929.D
Acq: 23 Dec 2016 17:44

Tgt Ion: 136 Resp: 758681
Ion Ratio Lower Upper
136 100
137 11.5 8.4 12.6
54 8.5 4.5 6.7#
68 7.6 3.6 5.4#

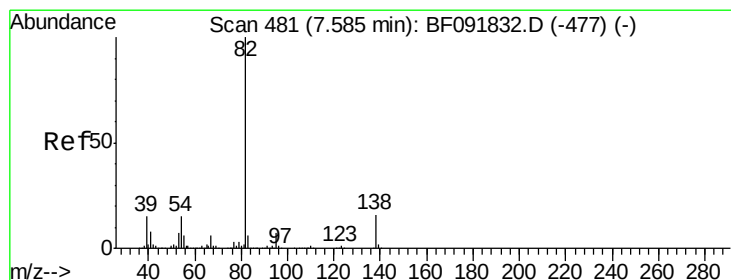
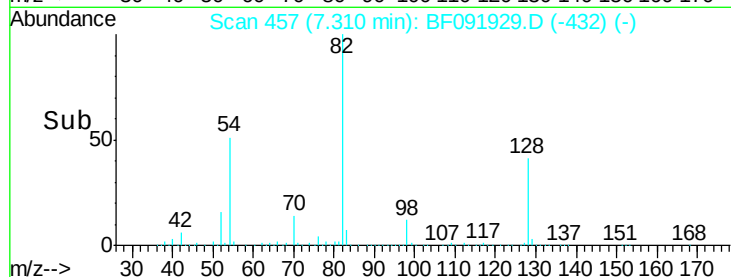
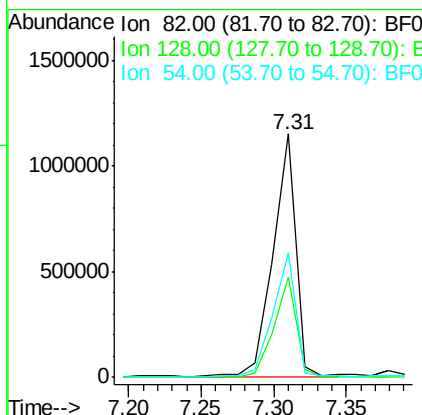
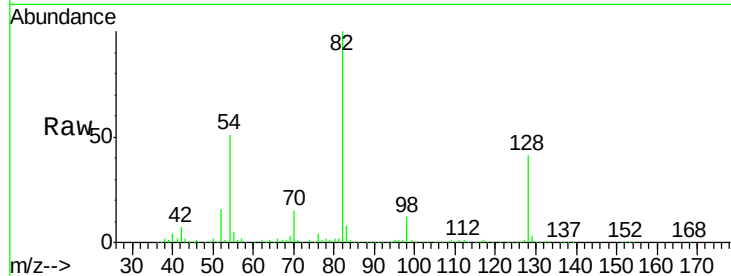




#23
 Nitrobenzene-d5
 Concen: 91.63 ng
 RT: 7.31 min Scan# 457
 Delta R.T. -0.01 min
 Lab File: BF091929.D
 Acq: 23 Dec 2016 17:44

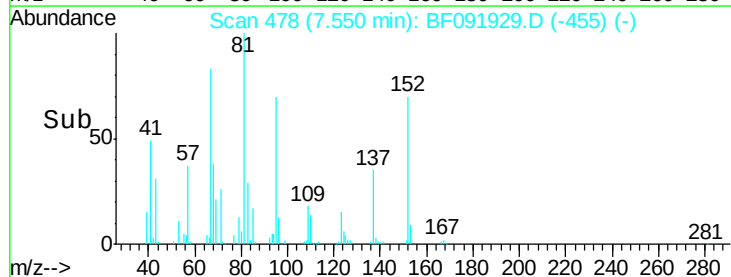
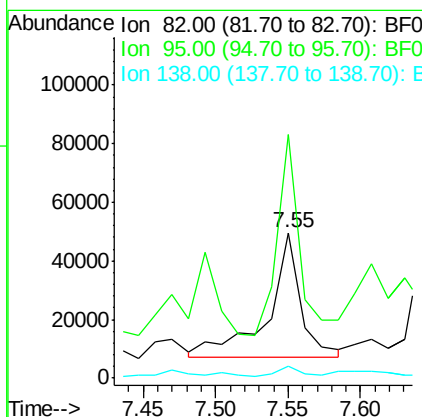
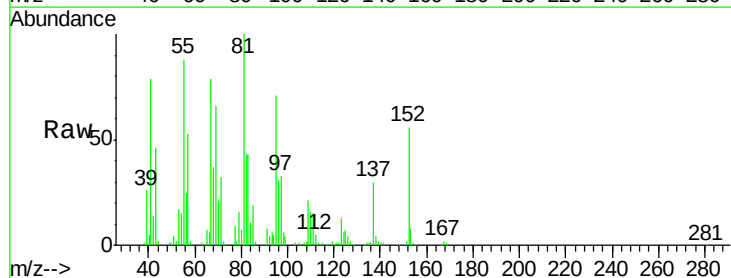
Instrument :
 BNA_F
 ClientSampleId :
 B-5

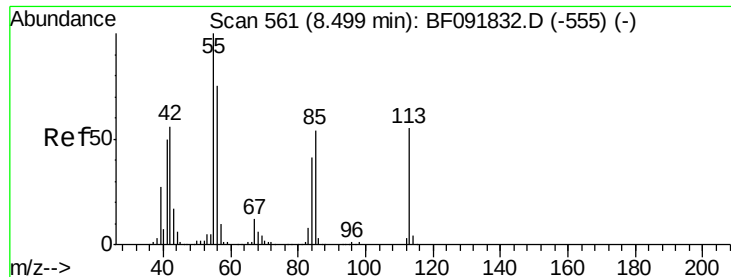
Tgt Ion: 82 Resp: 1250163
 Ion Ratio Lower Upper
 82 100
 128 41.0 34.6 52.0
 54 51.1 39.5 59.3



#25
 Isophorone
 Concen: 2.68 ng
 RT: 7.55 min Scan# 478
 Delta R.T. -0.03 min
 Lab File: BF091929.D
 Acq: 23 Dec 2016 17:44

Tgt Ion: 82 Resp: 67422
 Ion Ratio Lower Upper
 82 100
 95 167.6 5.6 8.4#
 138 8.6 14.6 22.0#

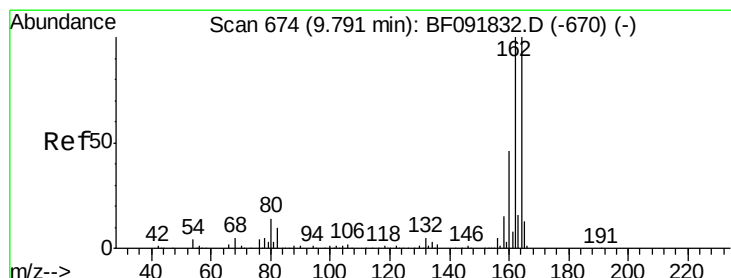
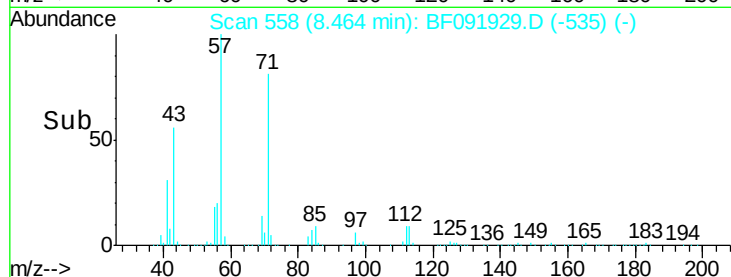
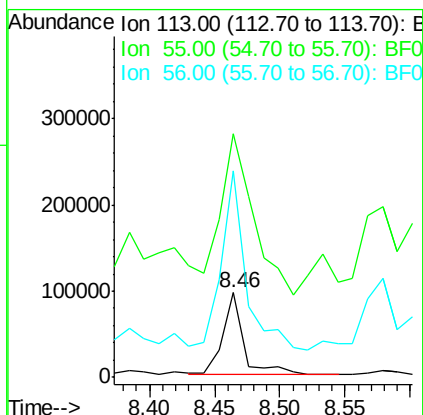
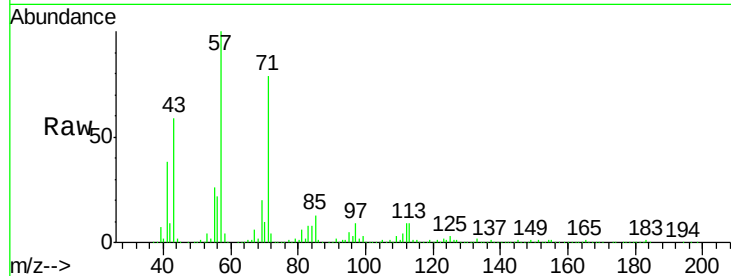




#35
 Caprolactam
 Concen: 31.92 ng
 RT: 8.46 min Scan# 558
 Delta R.T. -0.03 min
 Lab File: BF091929.D
 Acq: 23 Dec 2016 17:44

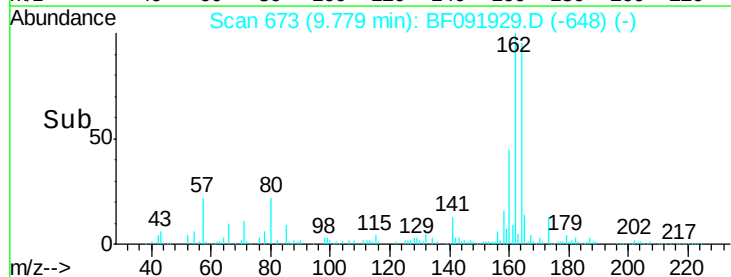
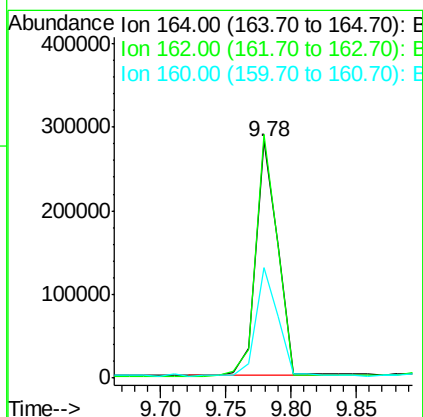
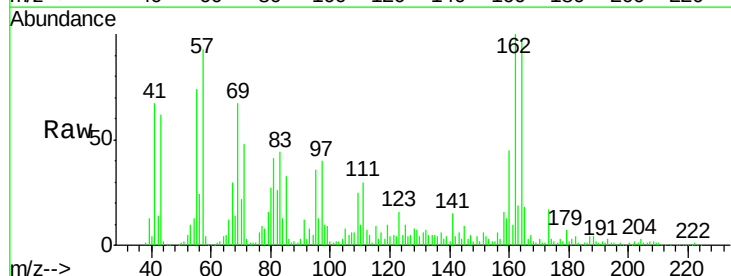
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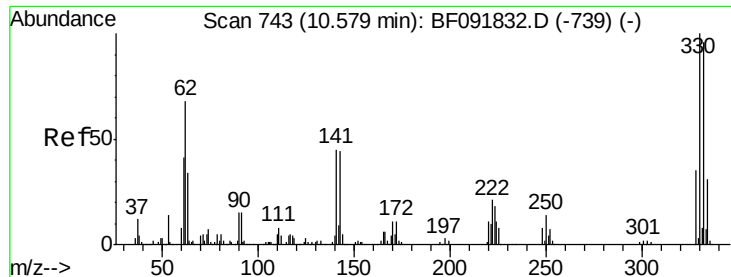
Tgt Ion:113 Resp: 105580
 Ion Ratio Lower Upper
 113 100
 55 287.6 119.2 159.2#
 56 243.5 83.8 123.8#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.78 min Scan# 673
 Delta R.T. -0.01 min
 Lab File: BF091929.D
 Acq: 23 Dec 2016 17:44

Tgt Ion:164 Resp: 324147
 Ion Ratio Lower Upper
 164 100
 162 102.8 80.2 120.2
 160 46.6 36.9 55.3

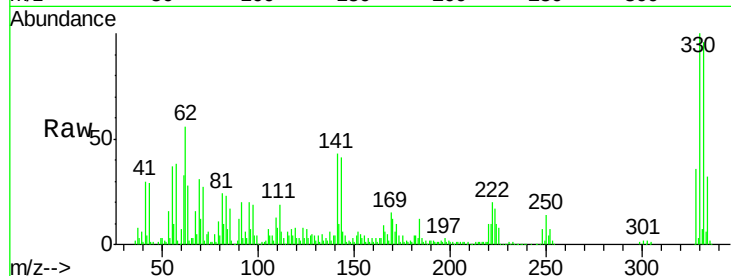




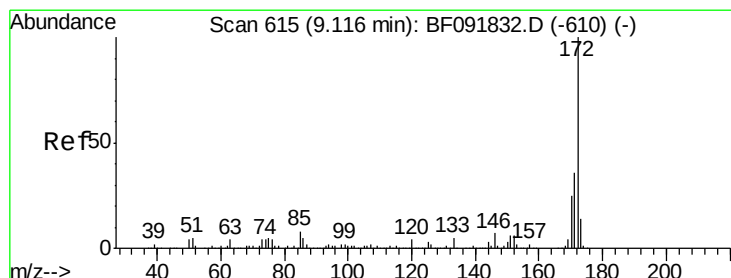
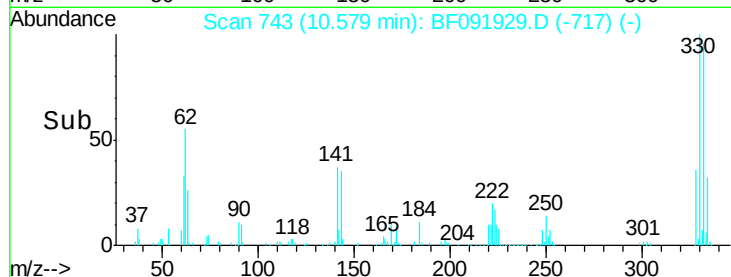
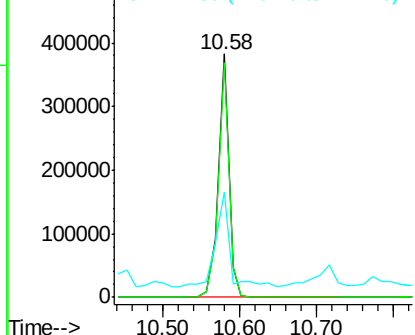
#41
 2,4,6-Tribromophenol
 Concen: 137.61 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.00 min
 Lab File: BF091929.D
 Acq: 23 Dec 2016 17:44

Instrument :
 BNA_F
 ClientSampleId :
 B-5

Tgt Ion:330 Resp: 369159
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.4 116.2
 141 46.3 34.1 51.1

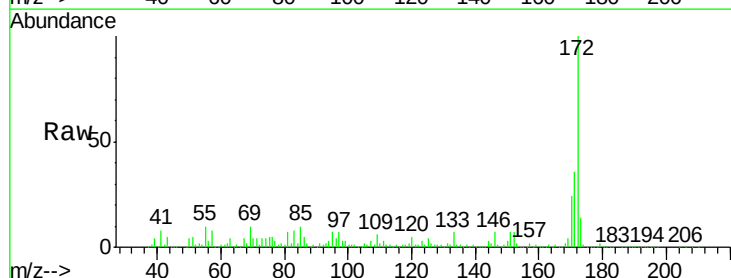


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

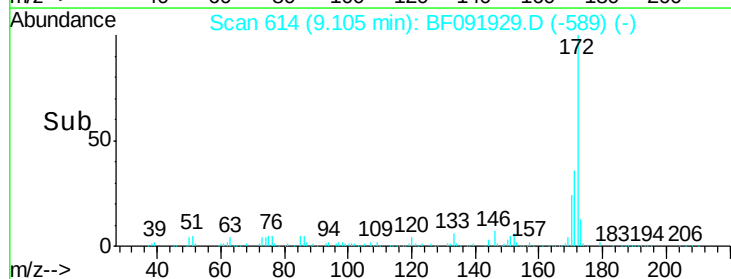
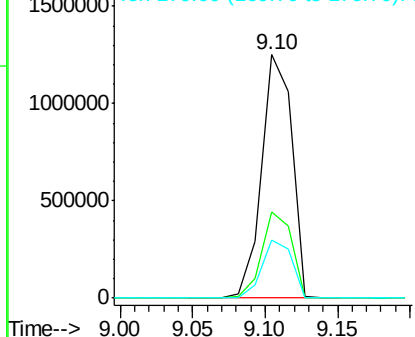


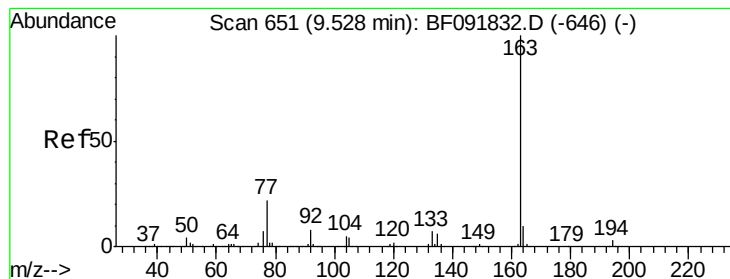
#44
 2-Fluorobiphenyl
 Concen: 119.61 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.01 min
 Lab File: BF091929.D
 Acq: 23 Dec 2016 17:44

Tgt Ion:172 Resp: 1809181
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.4 44.0
 170 24.0 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: 8.51 ng

RT: 9.50 min Scan# 649

Delta R.T. -0.02 min

Lab File: BF091929.D

Acq: 23 Dec 2016 17:44

Instrument :

BNA_F

ClientSampleId :

B-5

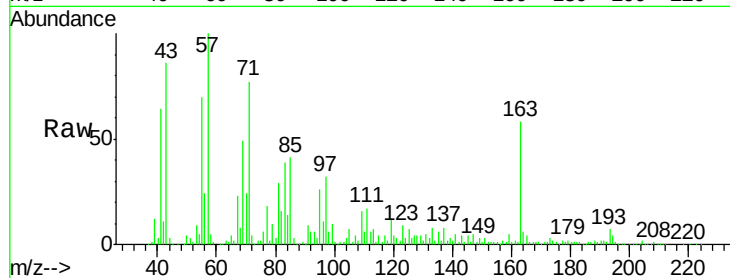
Tgt Ion:163 Resp: 176351

Ion Ratio Lower Upper

163 100

194 7.3 3.0 4.4#

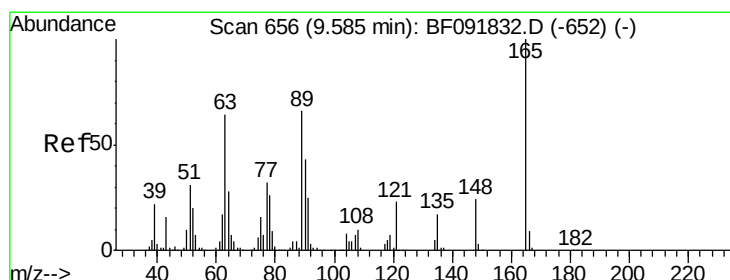
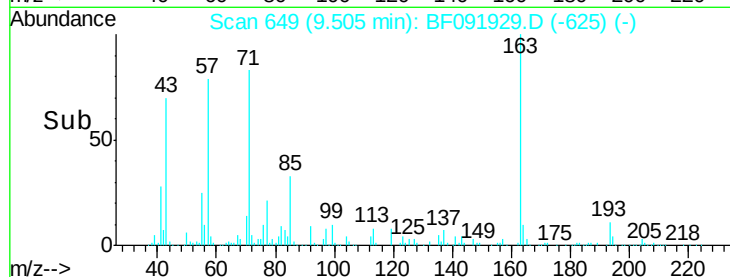
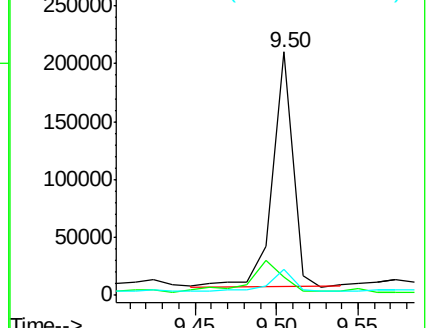
164 10.9 8.0 12.0



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: 2.90 ng

RT: 9.56 min Scan# 654

Delta R.T. -0.02 min

Lab File: BF091929.D

Acq: 23 Dec 2016 17:44

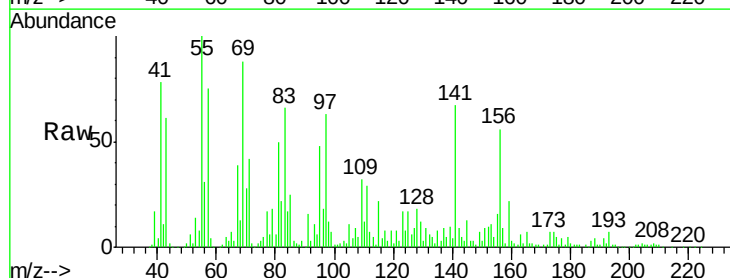
Tgt Ion:165 Resp: 13147

Ion Ratio Lower Upper

165 100

63 69.7 36.2 54.4#

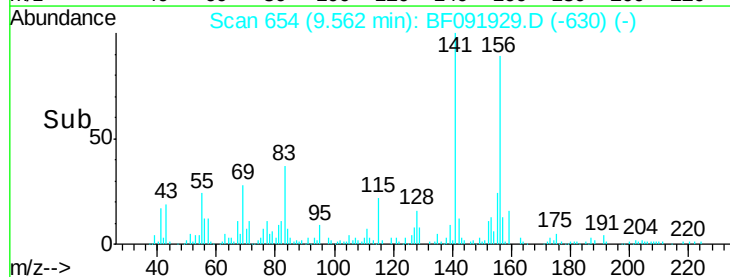
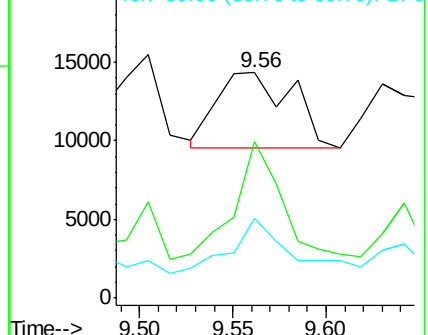
89 35.6 40.2 60.4#

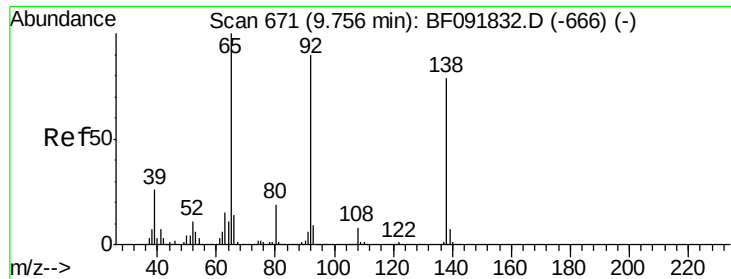


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

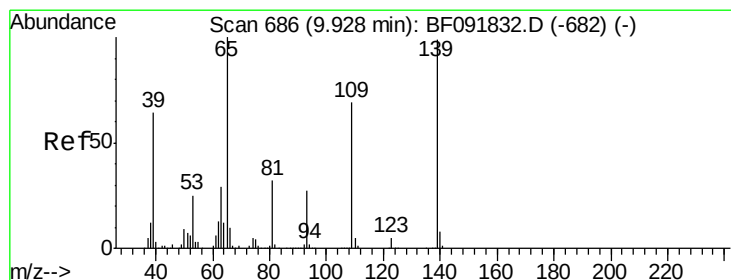
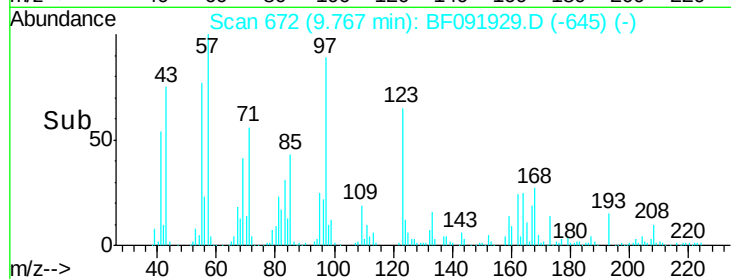
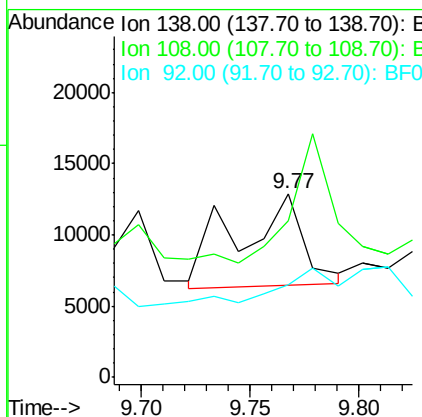
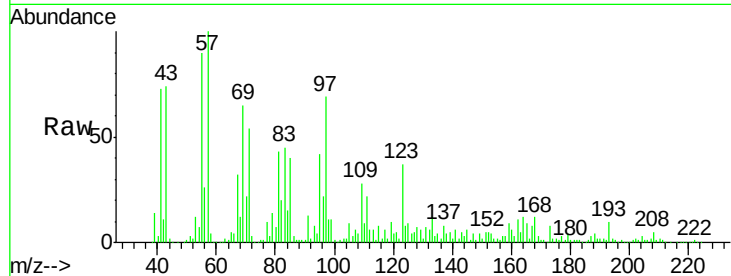




#52
 3-Nitroaniline
 Concen: 2.43 ng
 RT: 9.77 min Scan# 672
 Delta R.T. 0.01 min
 Lab File: BF091929.D
 Acq: 23 Dec 2016 17:44

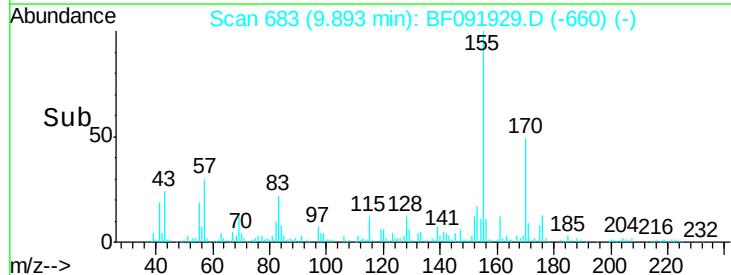
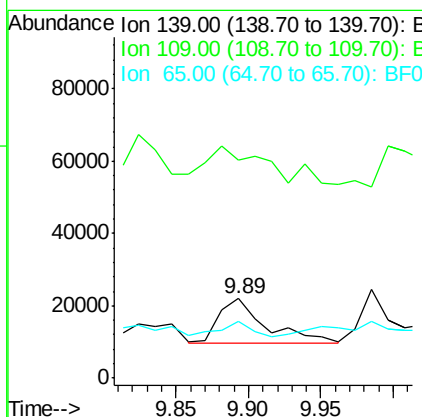
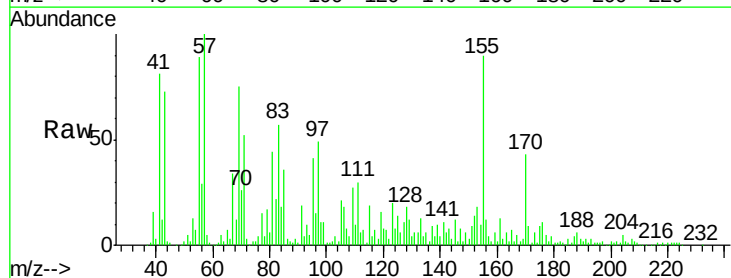
Instrument :
 BNA_F
 ClientSampleId :
 B-5

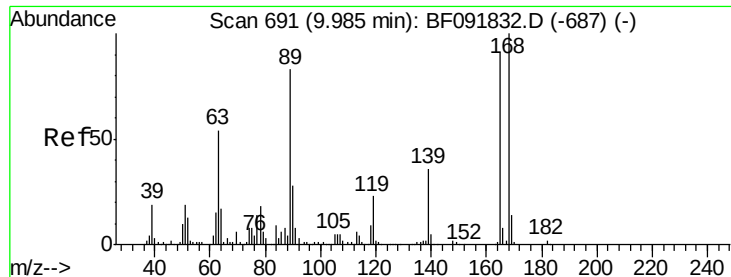
Tgt Ion:138 Resp: 13654
 Ion Ratio Lower Upper
 138 100
 108 85.4 8.5 12.7#
 92 50.3 97.8 146.8#



#55
 4-Nitrophenol
 Concen: 7.33 ng
 RT: 9.89 min Scan# 683
 Delta R.T. -0.03 min
 Lab File: BF091929.D
 Acq: 23 Dec 2016 17:44

Tgt Ion:139 Resp: 27942
 Ion Ratio Lower Upper
 139 100
 109 273.4 52.2 92.2#
 65 71.9 85.8 125.8#

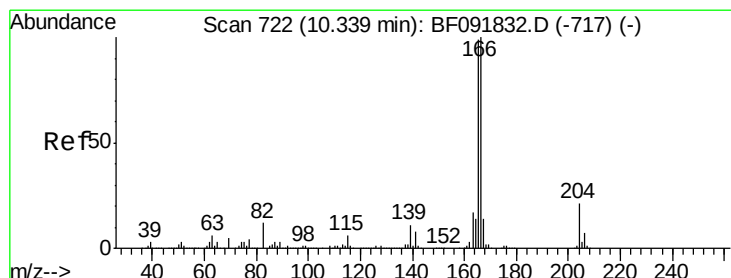
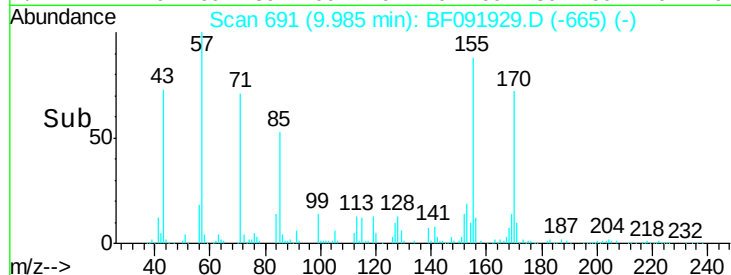
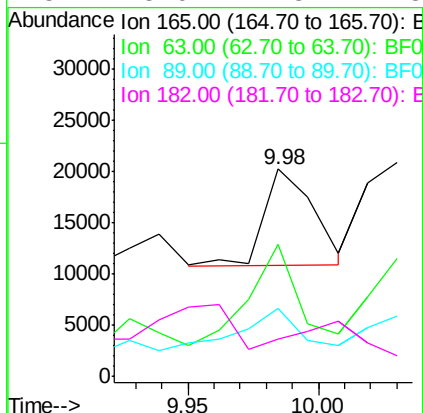
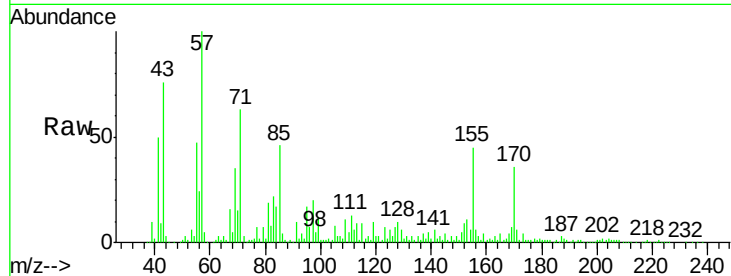




#56
2,4-Dinitrotoluene
Concen: 2.17 ng
RT: 9.98 min Scan# 691
Delta R.T. -0.00 min
Lab File: BF091929.D
Acq: 23 Dec 2016 17:44

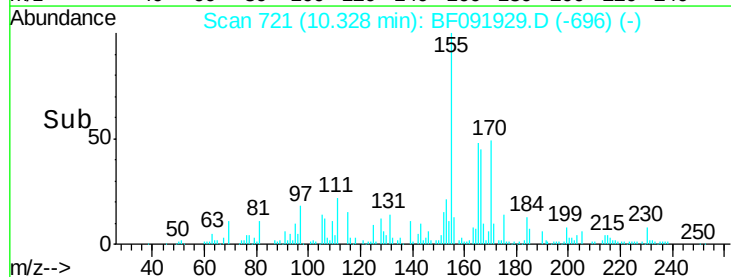
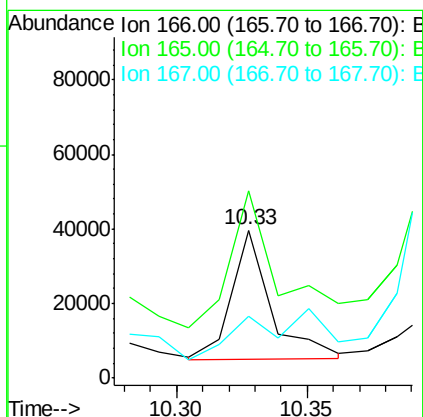
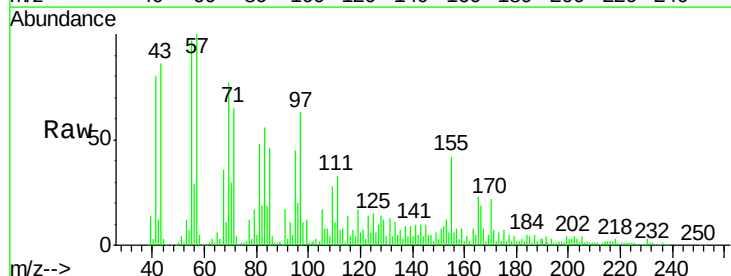
Instrument :
BNA_F
ClientSampleId :
B-5

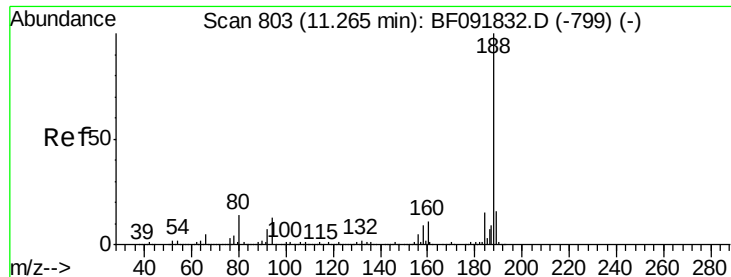
Tgt Ion:	165	Resp:	12358
Ion Ratio	Lower	Upper	
165	100		
63	63.6	40.2	60.4#
89	32.8	62.5	93.7#
182	18.0	1.8	2.8#



#57
Fluorene
Concen: 2.06 ng
RT: 10.33 min Scan# 721
Delta R.T. -0.01 min
Lab File: BF091929.D
Acq: 23 Dec 2016 17:44

Tgt Ion:	166	Resp:	37116
Ion Ratio	Lower	Upper	
166	100		
165	126.3	77.8	116.8#
167	41.6	10.8	16.2#

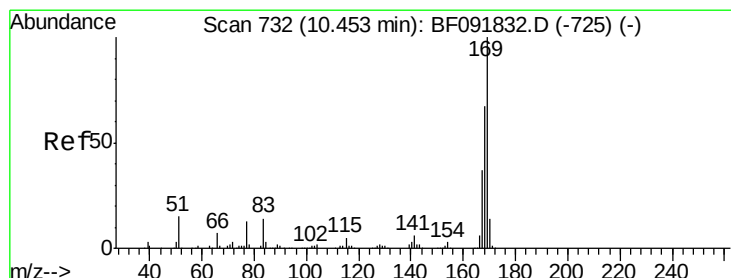
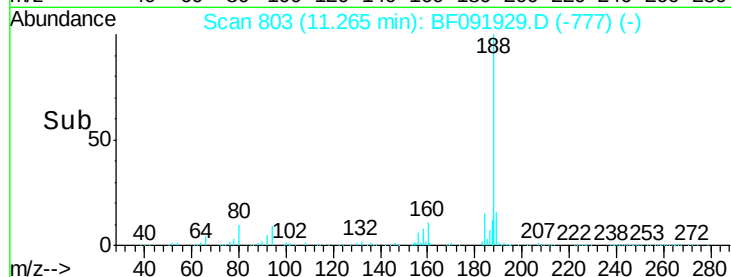
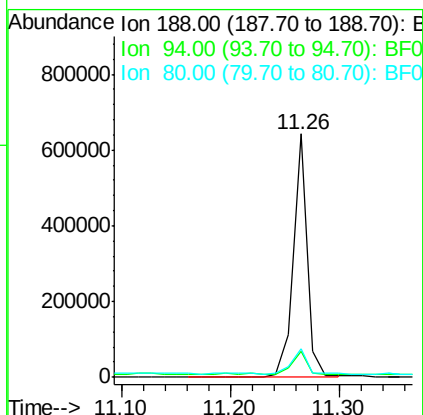
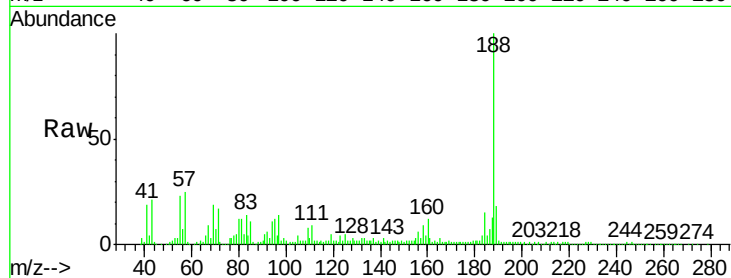




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF091929.D
Acq: 23 Dec 2016 17:44

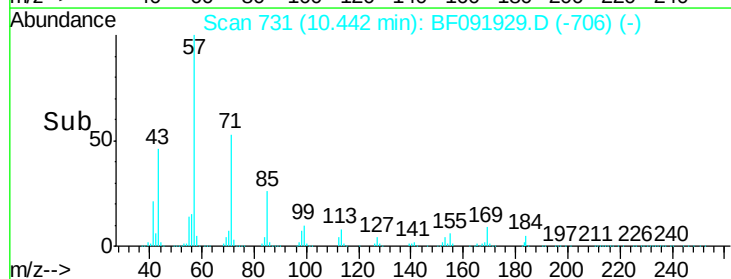
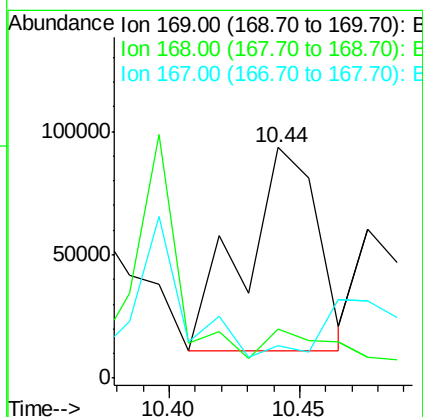
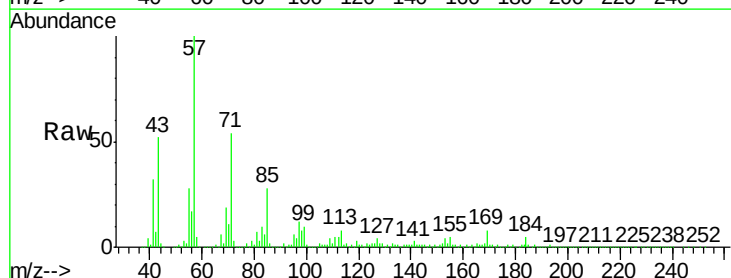
Instrument :
BNA_F
ClientSampleId :
B-5

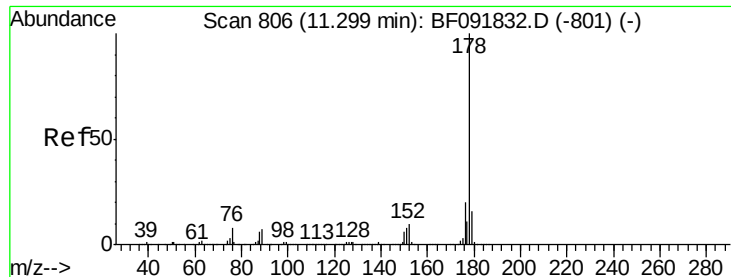
Tgt Ion:188 Resp: 570235
Ion Ratio Lower Upper
188 100
94 10.6 10.0 15.0
80 11.7 11.2 16.8



#65
n-Nitrosodiphenylamine
Concen: 9.41 ng
RT: 10.44 min Scan# 731
Delta R.T. -0.01 min
Lab File: BF091929.D
Acq: 23 Dec 2016 17:44

Tgt Ion:169 Resp: 159214
Ion Ratio Lower Upper
169 100
168 21.5 54.2 81.2#
167 14.0 30.2 45.4#

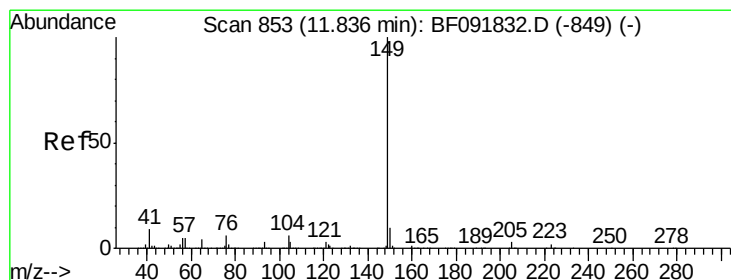
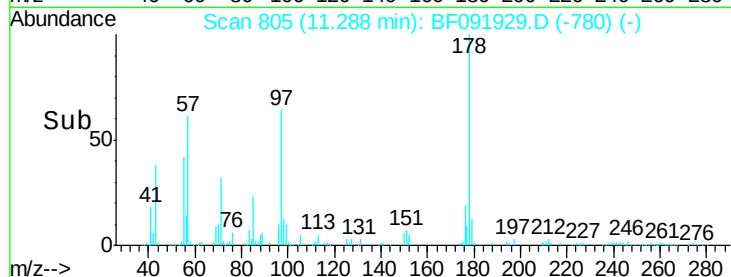
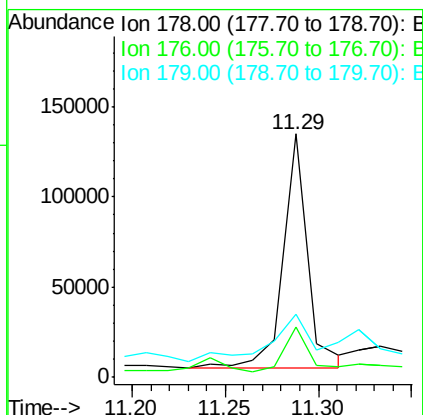
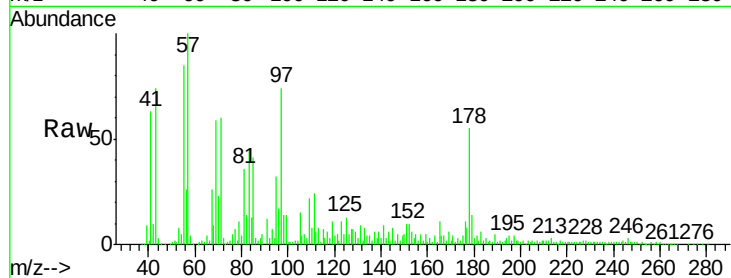




#70
Phenanthrene
Concen: 3.87 ng
RT: 11.29 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF091929.D
Acq: 23 Dec 2016 17:44

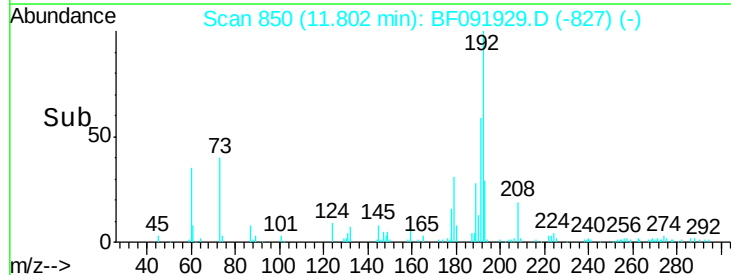
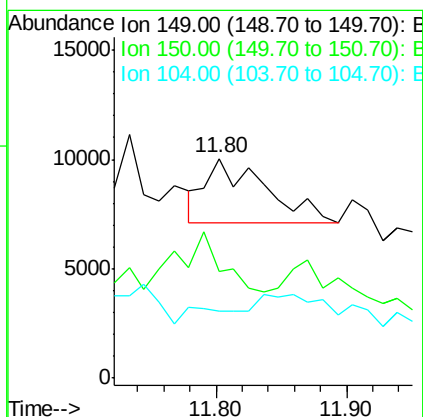
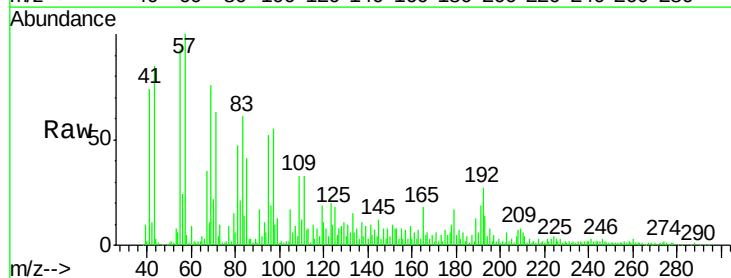
Instrument :
BNA_F
ClientSampleId :
B-5

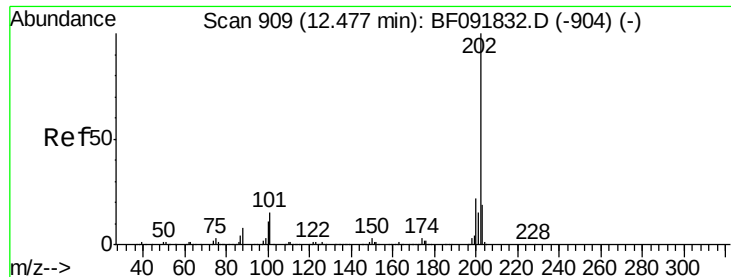
Tgt Ion:178 Resp: 119564
Ion Ratio Lower Upper
178 100
176 20.6 16.6 25.0
179 26.1 12.8 19.2#



#73
Di-n-butylphthalate
Concen: Below Cal
RT: 11.80 min Scan# 850
Delta R.T. -0.03 min
Lab File: BF091929.D
Acq: 23 Dec 2016 17:44

Tgt Ion:149 Resp: 9224
Ion Ratio Lower Upper
149 100
150 48.7 8.1 12.1#
104 30.4 4.6 7.0#





#74

Fluoranthene

Concen: Below Cal

RT: 12.46 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF091929.D

Acq: 23 Dec 2016 17:44

Instrument :

BNA_F

ClientSampleId :

B-5

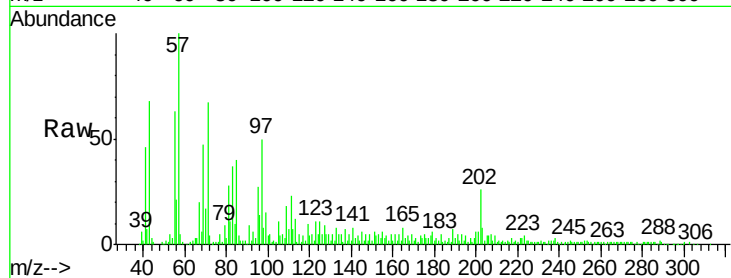
Tgt Ion:202 Resp: 34505

Ion Ratio Lower Upper

202 100

101 18.6 0.0 34.6

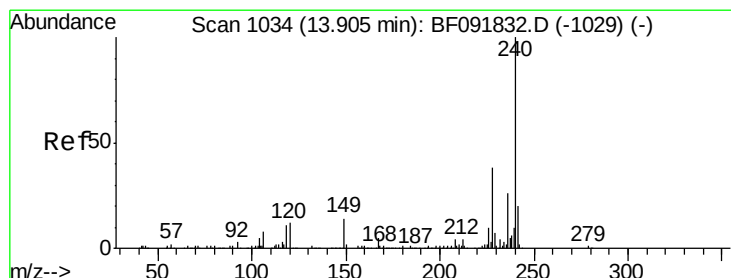
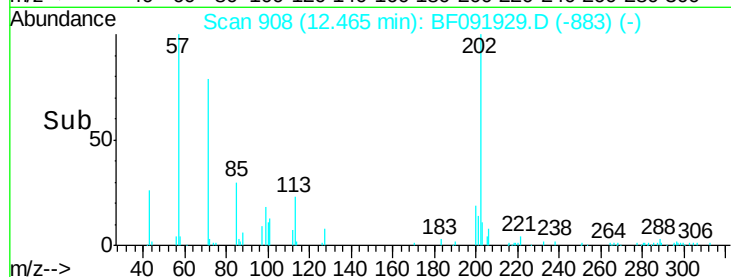
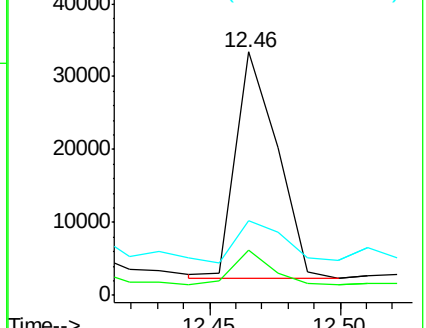
203 30.9 0.0 38.7



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: 13.88 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF091929.D

Acq: 23 Dec 2016 17:44

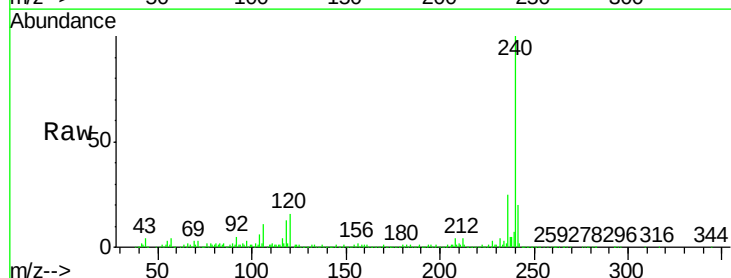
Tgt Ion:240 Resp: 569080

Ion Ratio Lower Upper

240 100

120 15.7 12.9 19.3

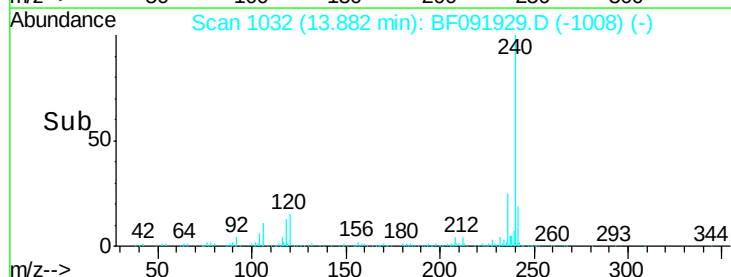
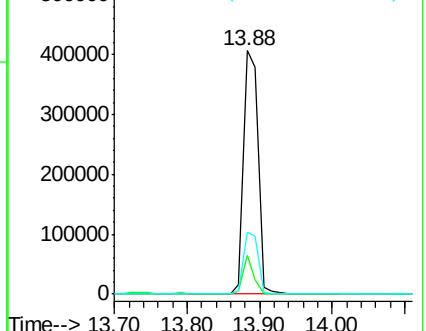
236 25.3 20.9 31.3

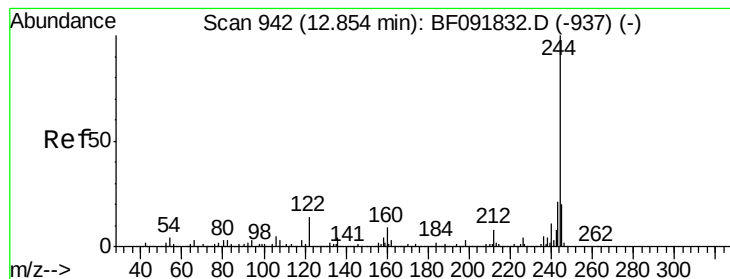


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 71.60 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF091929.D

Acq: 23 Dec 2016 17:44

Instrument :

BNA_F

ClientSampleId :

B-5

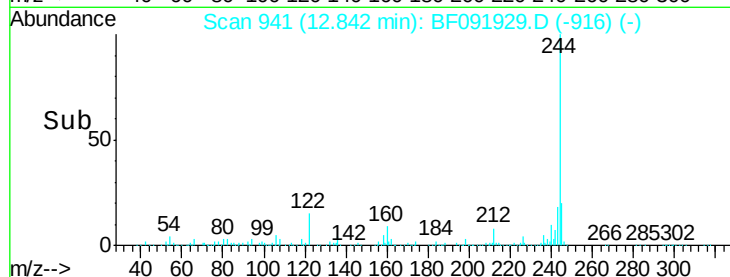
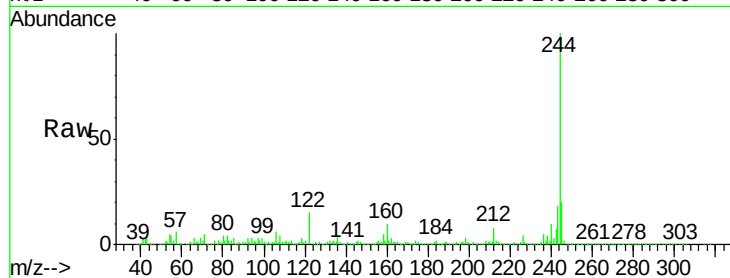
Tgt Ion:244 Resp: 1680092

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

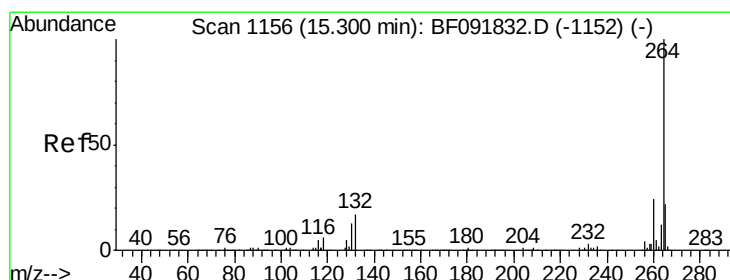
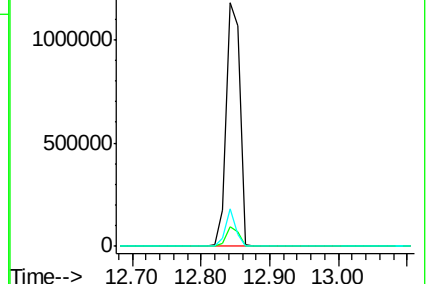
122 15.3 11.4 17.2



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: BF091929.D

Acq: 23 Dec 2016 17:44

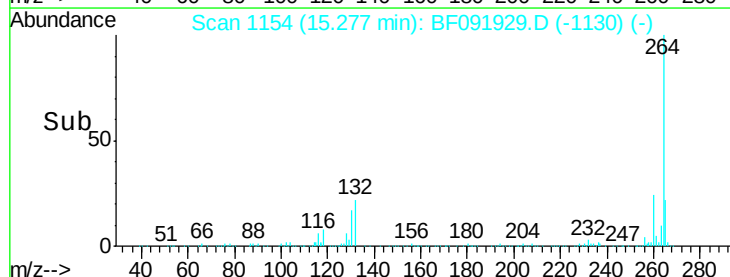
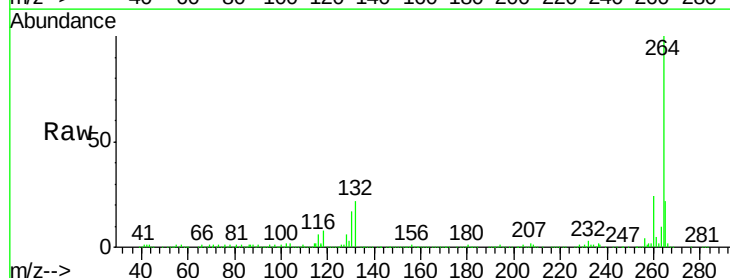
Tgt Ion:264 Resp: 431324

Ion Ratio Lower Upper

264 100

260 24.2 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

