

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110116\
 Data File : BF090964.D
 Acq On : 1 Nov 2016 21:22
 Operator : UM/SJ
 Sample : H5463-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-5(0-2)

Quant Time: Nov 01 23:56:14 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 01 11:53:50 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	176163	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	761565	20.00	ng	-0.02
38) Acenaphthene-d10	9.78	164	407907	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	586752	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	372560	20.00	ng	-0.01
86) Perylene-d12	15.29	264	319653	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1198418	118.94	ng	0.00
7) Phenol-d6	6.38	99	1653160	121.62	ng	-0.01
23) Nitrobenzene-d5	7.30	82	1023552	87.98	ng	-0.02
41) 2,4,6-Tribromophenol	10.57	330	338036	80.64	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	1630262	70.18	ng	-0.01
78) Terphenyl-d14	12.84	244	1128559	76.32	ng	-0.01

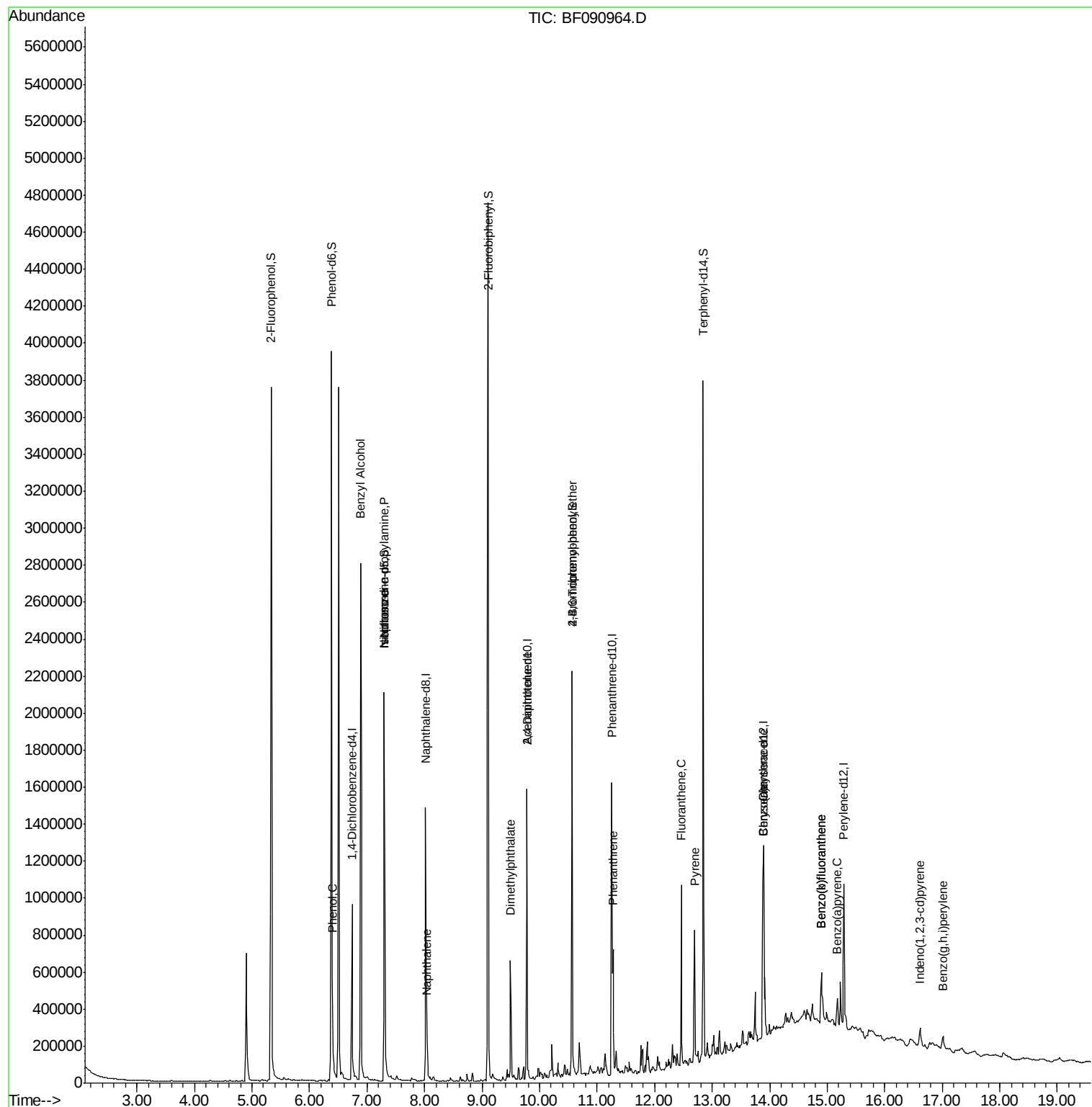
Target Compounds						Qvalue
10) Phenol	6.40	94	73590	4.91	ng	# 69
15) Benzyl Alcohol	6.89	79	17966	2.01	ng	# 30
19) n-Nitroso-di-n-propylamine	7.30	70	140538	17.88	ng	# 55
25) Isophorone	7.30	82	918761	38.92	ng	# 59
31) Naphthalene	8.04	128	81163	2.28	ng	99
49) Dimethylphthalate	9.49	163	321838	11.81	ng	# 97
56) 2,4-Dinitrotoluene	9.78	165	55511	7.42	ng	# 33
66) 4-Bromophenyl-phenylether	10.57	248	22058	3.43	ng	# 1
70) Phenanthrene	11.28	178	243320	8.14	ng	96
74) Fluoranthene	12.47	202	348095	10.64	ng	95
77) Pyrene	12.69	202	289578	12.28	ng	97
80) Benzo(a)anthracene	13.88	228	164973	8.34	ng	# 90
82) Chrysene	13.88	228	164973	8.25	ng	# 91
85) Indeno(1,2,3-cd)pyrene	16.61	276	57777	3.26	ng	# 89
87) Benzo(b)fluoranthene	14.90	252	185475	8.63	ng	# 94
88) Benzo(k)fluoranthene	14.90	252	185475	10.92	ng	94
89) Benzo(a)pyrene	15.17	252	62684	3.39	ng	98
91) Benzo(g,h,i)perylene	17.01	276	50387	3.42	ng	# 83

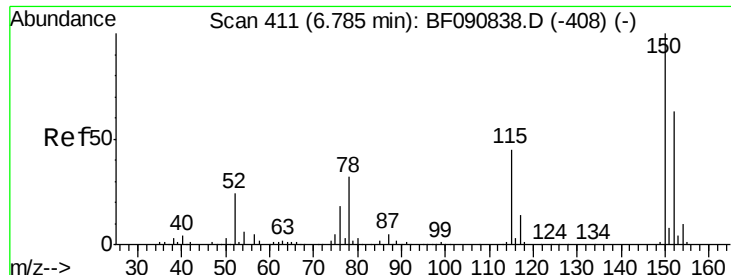
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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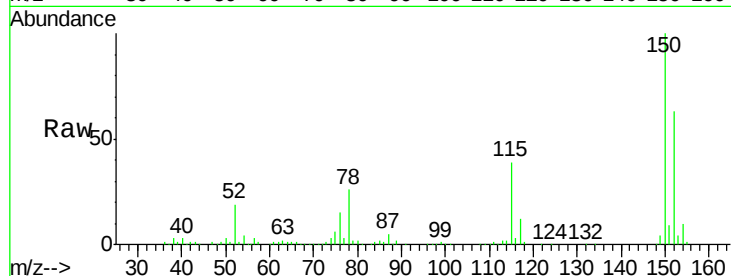


#1

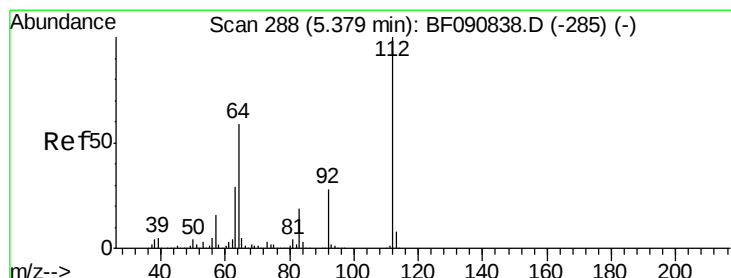
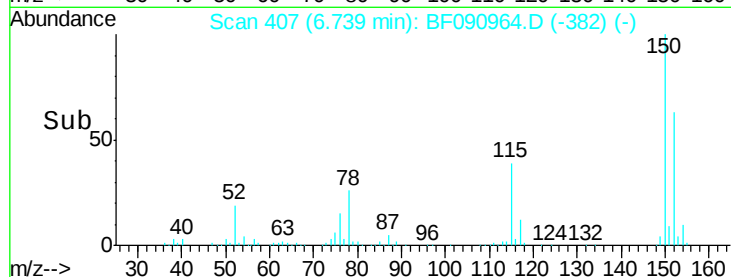
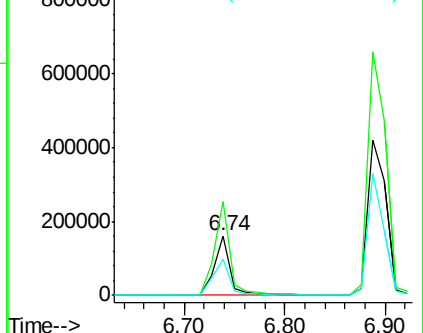
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.74 min Scan# 407
Delta R.T. -0.01 min
Lab File: BF090964.D
Acq: 1 Nov 2016 21:22

Instrument :
BNA_F
ClientSampled :
SB-5(0-2)

Tgt Ion:152 Resp: 176163
Ion Ratio Lower Upper
152 100
150 157.5 124.7 187.1
115 60.7 39.0 58.4#



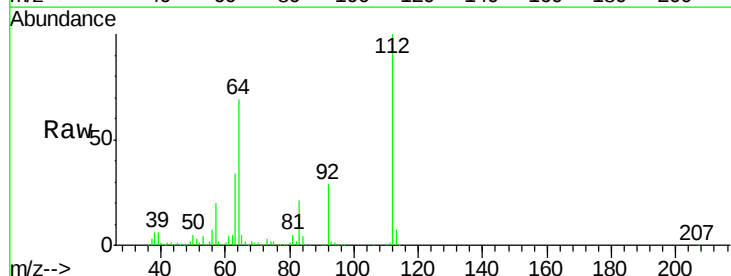
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



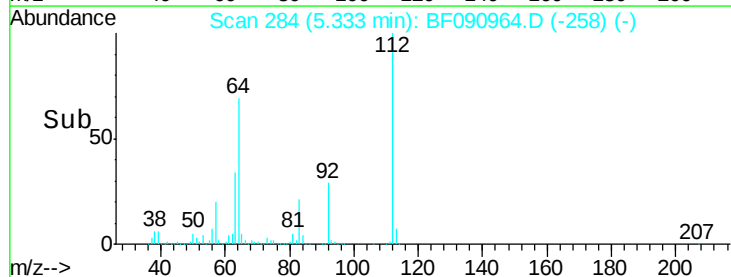
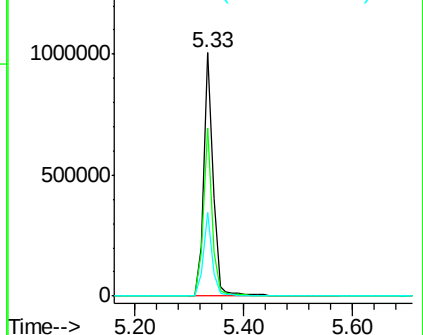
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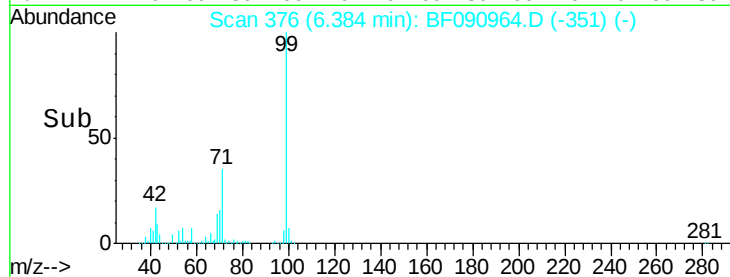
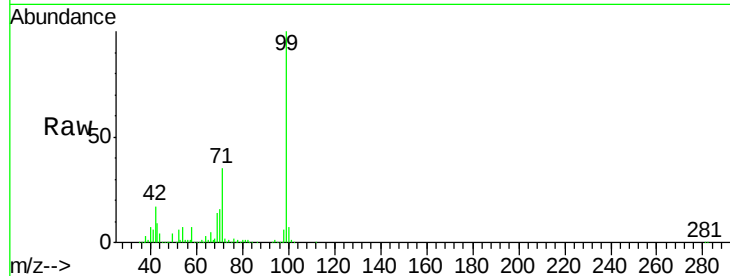
2-Fluorophenol
Concen: 118.94 ng
RT: 5.33 min Scan# 284
Delta R.T. -0.00 min
Lab File: BF090964.D
Acq: 1 Nov 2016 21:22

Tgt Ion:112 Resp: 1198418
Ion Ratio Lower Upper
112 100
64 69.2 39.7 59.5#
63 34.3 17.4 26.0#



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: 121.62 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.01 min

Lab File: BF090964.D

Acq: 1 Nov 2016 21:22

Instrument :

BNA_F

ClientSampleId :

SB-5(0-2)

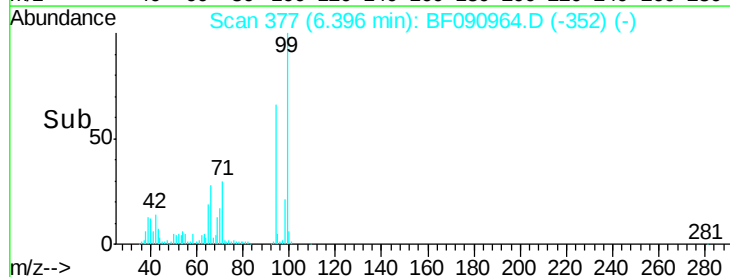
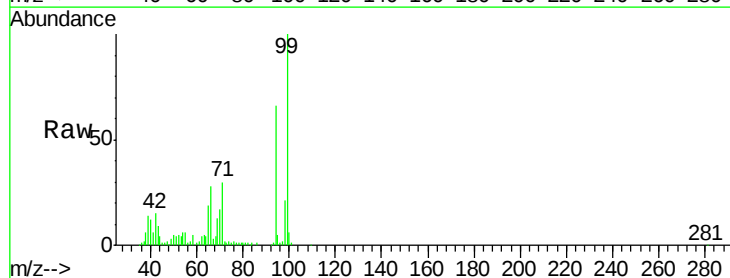
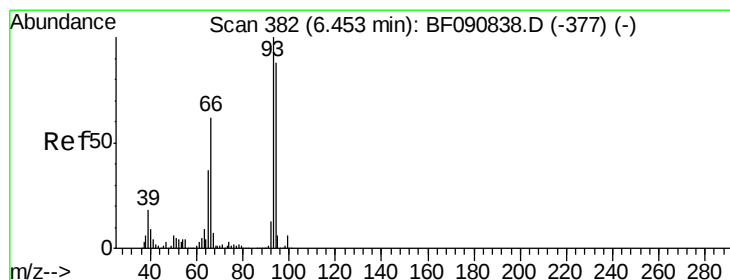
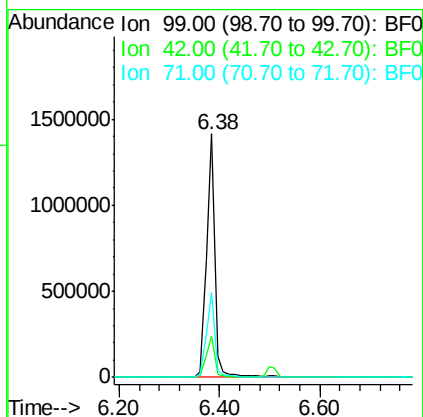
Tgt Ion: 99 Resp: 1653160

Ion Ratio Lower Upper

99 100

42 17.2 13.7 20.5

71 35.1 14.2 21.2#



#10

Phenol

Concen: 4.91 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF090964.D

Acq: 1 Nov 2016 21:22

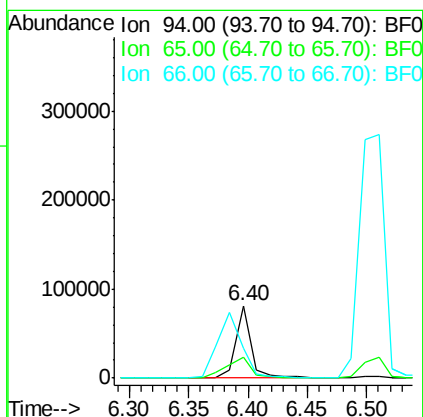
Tgt Ion: 94 Resp: 73590

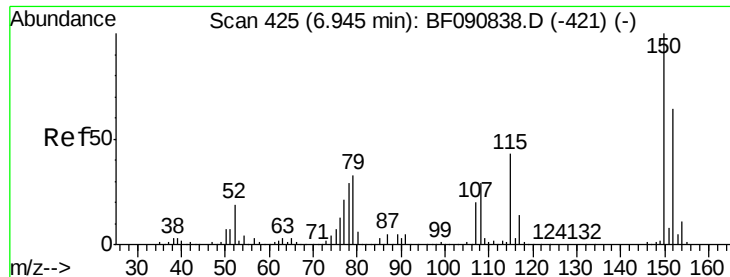
Ion Ratio Lower Upper

94 100

65 28.6 0.7 40.7

66 41.9 0.8 40.8#

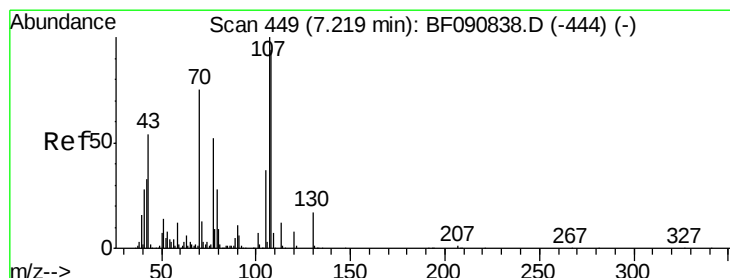
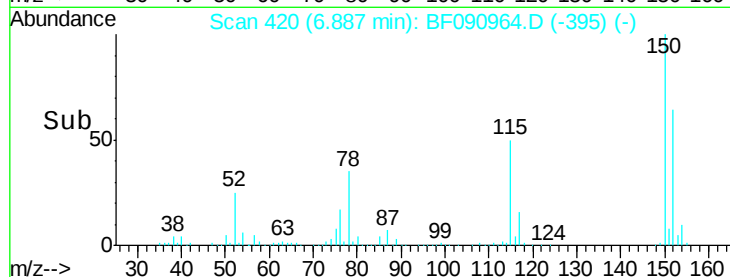
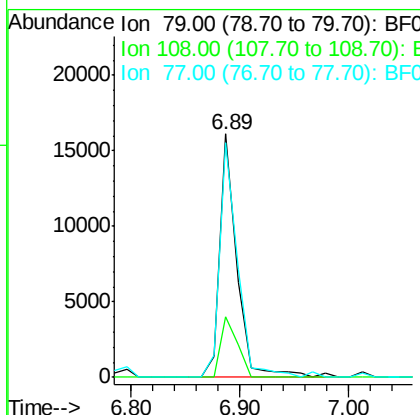
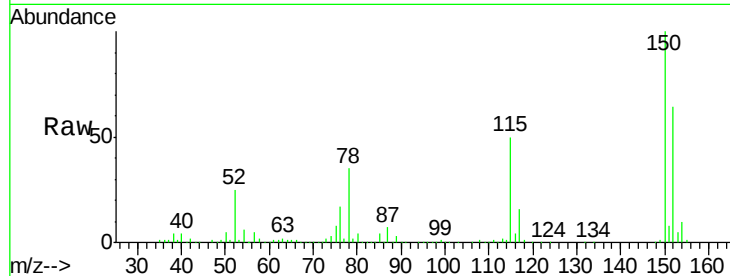




#15
Benzyl Alcohol
Concen: 2.01 ng
RT: 6.89 min Scan# 420
Delta R.T. -0.01 min
Lab File: BF090964.D
Acq: 1 Nov 2016 21:22

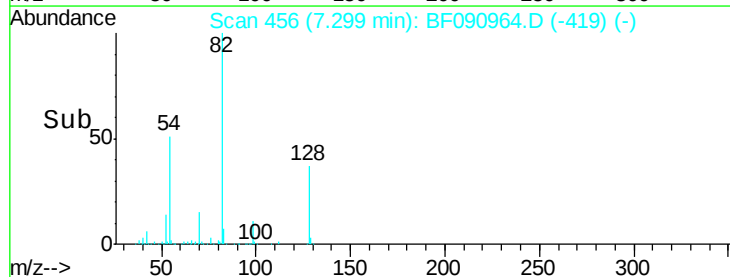
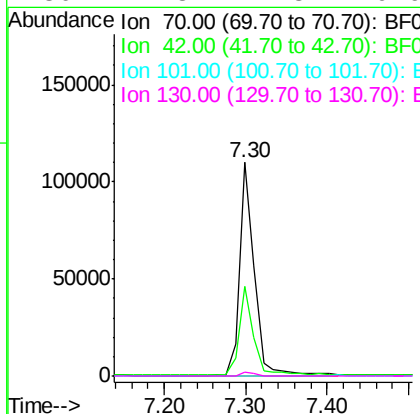
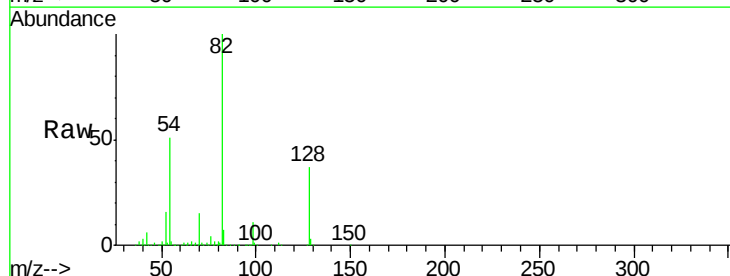
Instrument :
BNA_F
ClientSampleId :
SB-5(0-2)

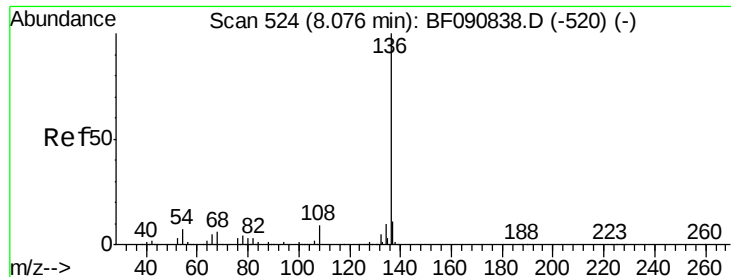
Tgt Ion: 79 Resp: 17966
Ion Ratio Lower Upper
79 100
108 25.0 88.6 132.8#
77 96.5 47.0 70.4#



#19
n-Nitroso-di-n-propylamine
Concen: 17.88 ng
RT: 7.30 min Scan# 456
Delta R.T. 0.13 min
Lab File: BF090964.D
Acq: 1 Nov 2016 21:22

Tgt Ion: 70 Resp: 140538
Ion Ratio Lower Upper
70 100
42 42.0 63.8 95.6#
101 0.0 9.2 13.8#
130 1.8 27.3 40.9#

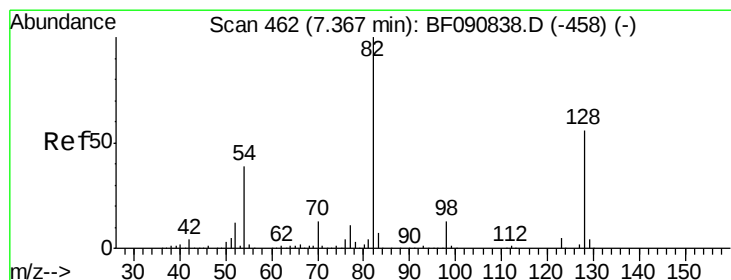
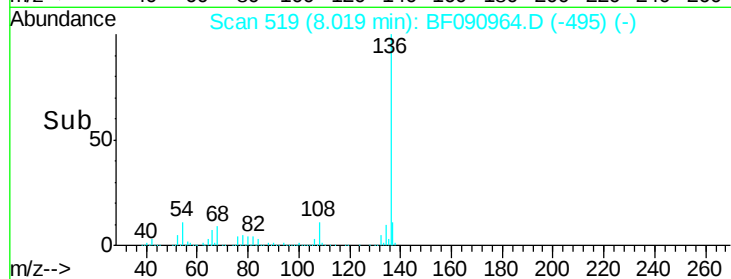
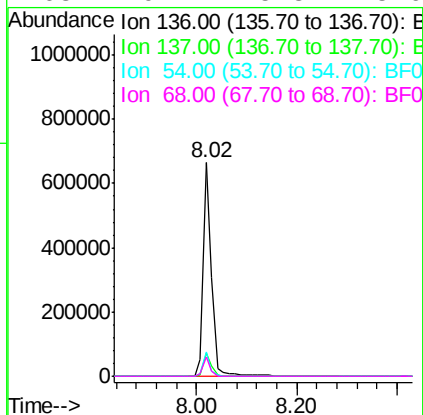
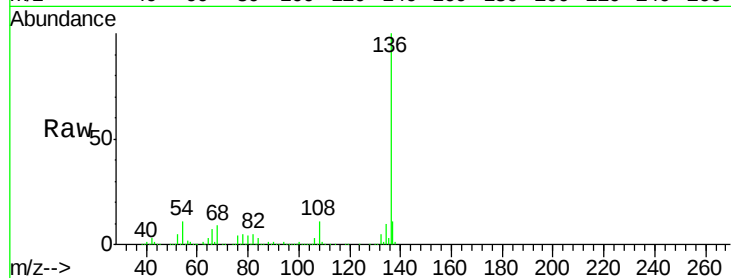




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 519
Delta R.T. -0.02 min
Lab File: BF090964.D
Acq: 1 Nov 2016 21:22

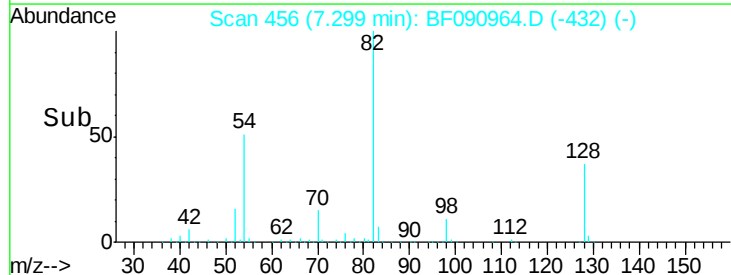
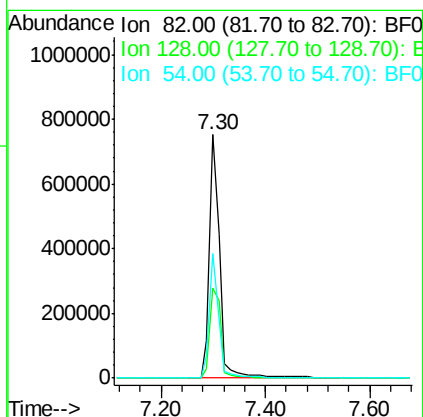
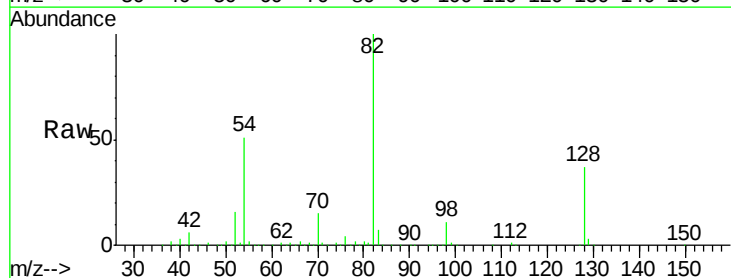
Instrument :
BNA_F
ClientSampleId :
SB-5(0-2)

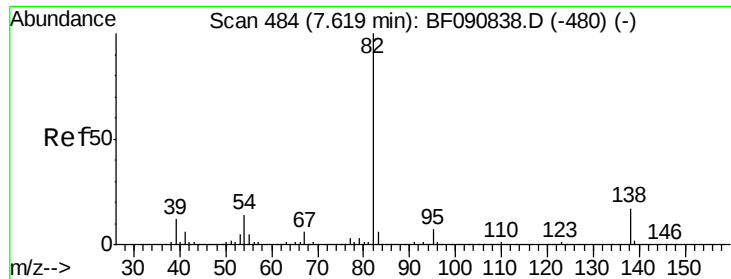
Tgt Ion:	136	Resp:	761565
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.6
54	11.3	8.2	12.2
68	9.2	5.8	8.6#



#23
Nitrobenzene-d5
Concen: 87.98 ng
RT: 7.30 min Scan# 456
Delta R.T. -0.02 min
Lab File: BF090964.D
Acq: 1 Nov 2016 21:22

Tgt Ion:	82	Resp:	1023552
Ion	Ratio	Lower	Upper
82	100		
128	37.0	51.0	76.6#
54	51.4	47.5	71.3





#25

Isophorone

Concen: 38.92 ng

RT: 7.30 min Scan# 456

Delta R.T. -0.29 min

Lab File: BF090964.D

Acq: 1 Nov 2016 21:22

Instrument :

BNA_F

ClientSampleId :

SB-5(0-2)

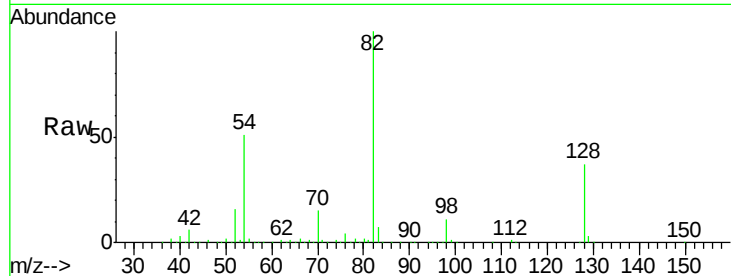
Tgt Ion: 82 Resp: 918761

Ion Ratio Lower Upper

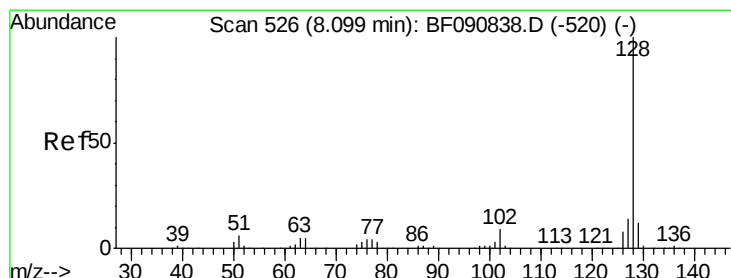
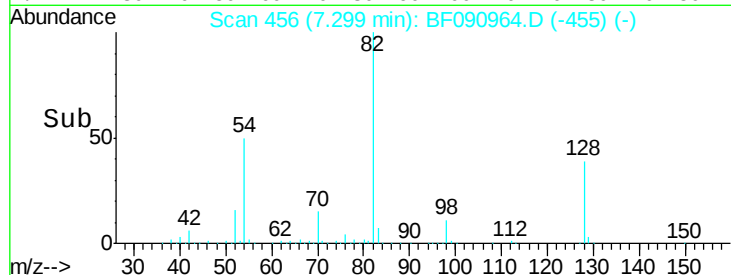
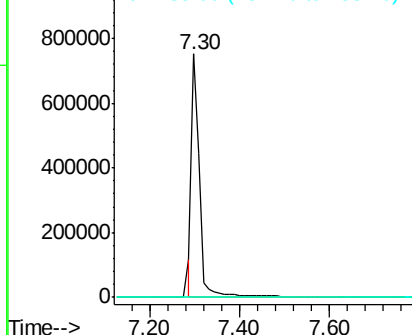
82 100

95 0.0 4.0 6.0#

138 0.0 18.3 27.5#



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): E



#31

Naphthalene

Concen: 2.28 ng

RT: 8.04 min Scan# 521

Delta R.T. -0.02 min

Lab File: BF090964.D

Acq: 1 Nov 2016 21:22

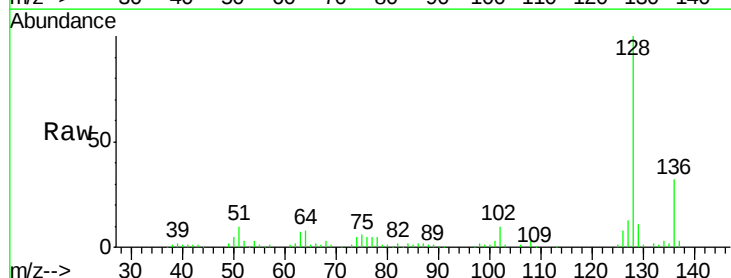
Tgt Ion: 128 Resp: 81163

Ion Ratio Lower Upper

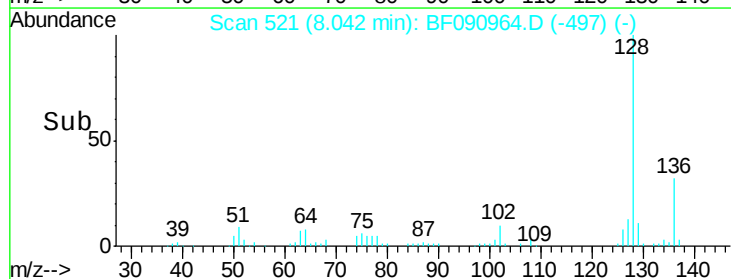
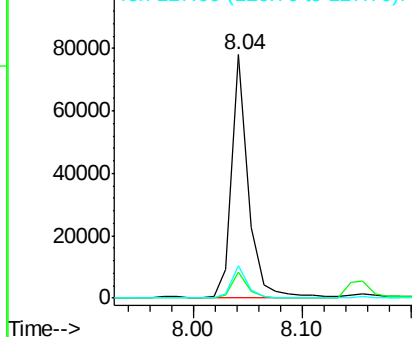
128 100

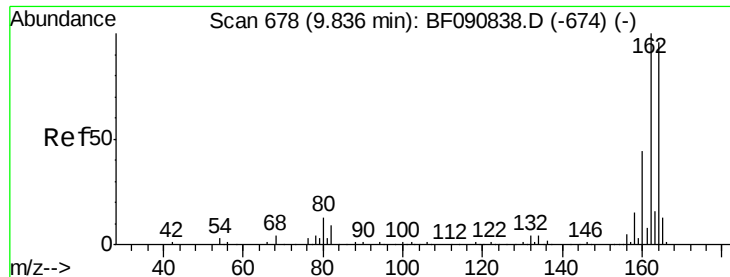
129 10.7 8.4 12.6

127 13.1 9.9 14.9



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

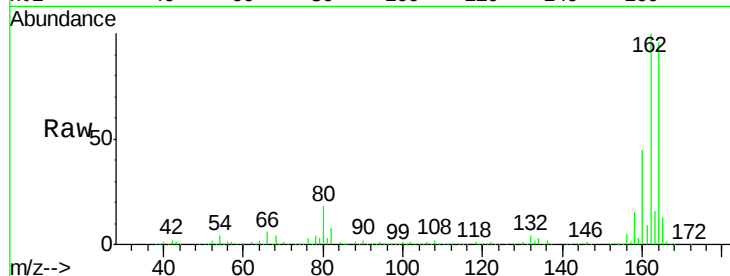




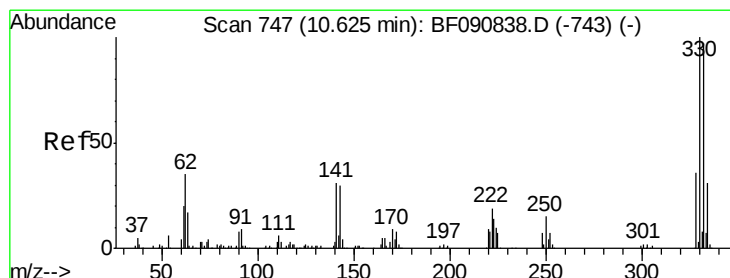
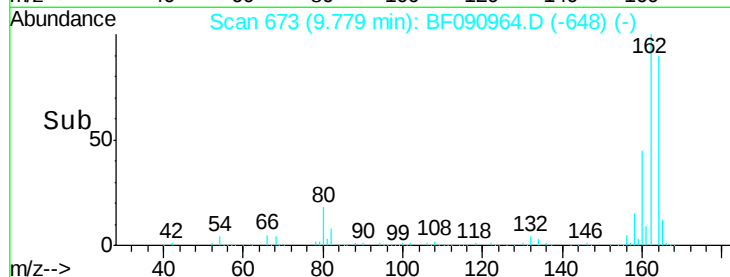
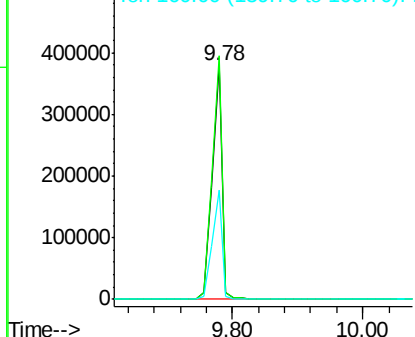
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.78 min Scan# 673
Delta R.T. -0.01 min
Lab File: BF090964.D
Acq: 1 Nov 2016 21:22

Instrument :
BNA_F
ClientSampleId :
SB-5(0-2)

Tgt Ion:164 Resp: 407907
Ion Ratio Lower Upper
164 100
162 103.9 75.2 112.8
160 46.8 31.5 47.3

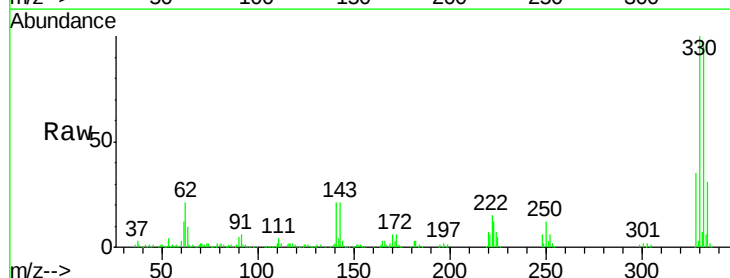


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

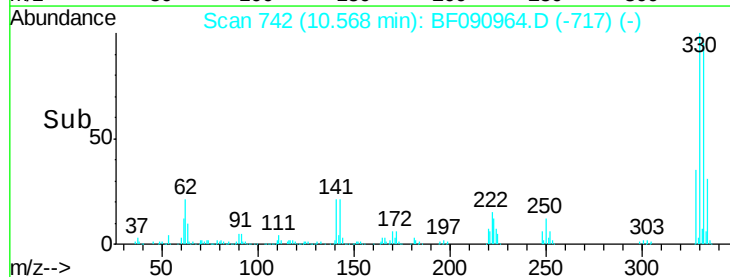
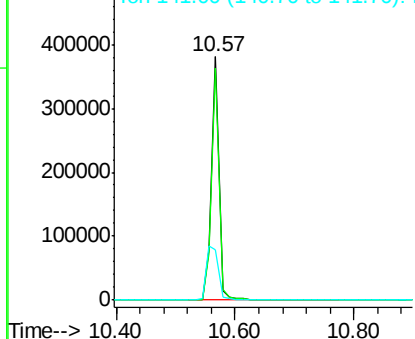


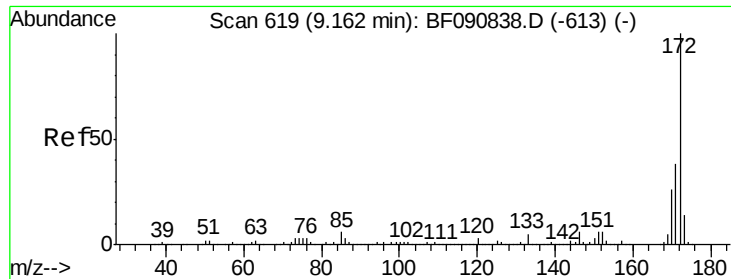
#41
2,4,6-Tribromophenol
Concen: 80.64 ng
RT: 10.57 min Scan# 742
Delta R.T. -0.01 min
Lab File: BF090964.D
Acq: 1 Nov 2016 21:22

Tgt Ion:330 Resp: 338036
Ion Ratio Lower Upper
330 100
332 95.1 76.6 114.8
141 35.4 29.7 44.5



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

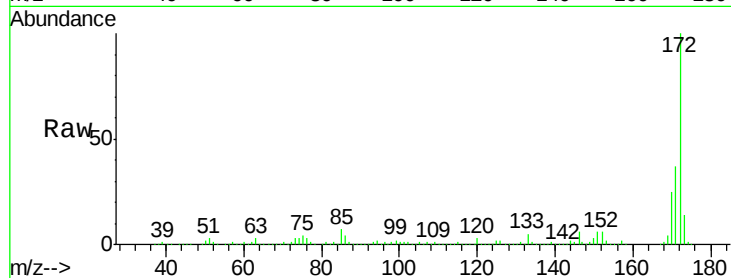




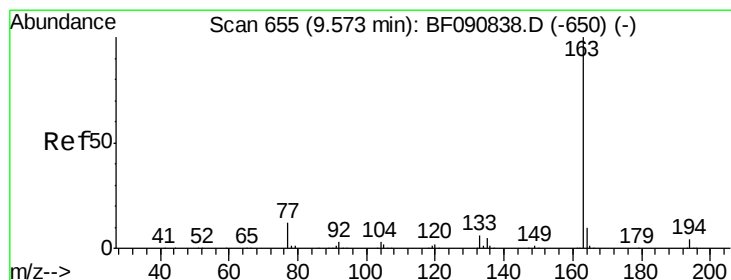
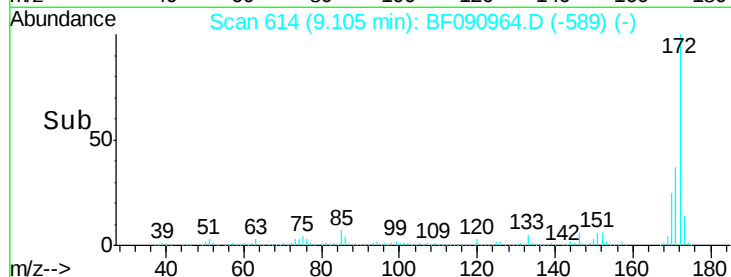
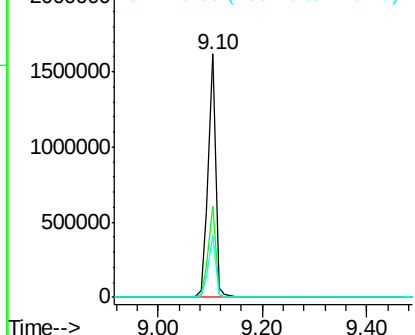
#44
2-Fluorobiphenyl
Concen: 70.18 ng
RT: 9.10 min Scan# 614
Delta R.T. -0.01 min
Lab File: BF090964.D
Acq: 1 Nov 2016 21:22

Instrument :
BNA_F
ClientSampleId :
SB-5(0-2)

Tgt Ion:172 Resp: 1630262
Ion Ratio Lower Upper
172 100
171 37.3 26.1 39.1
170 25.3 17.4 26.2

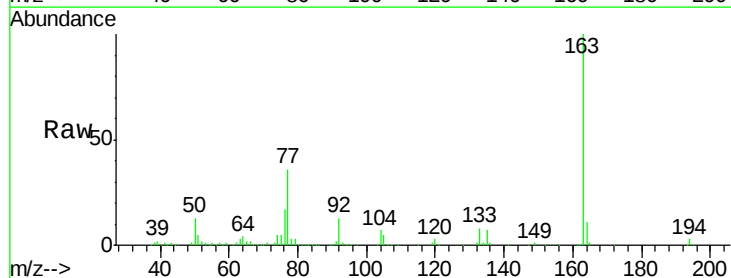


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

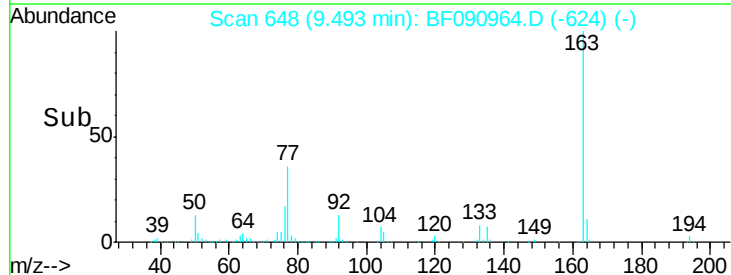
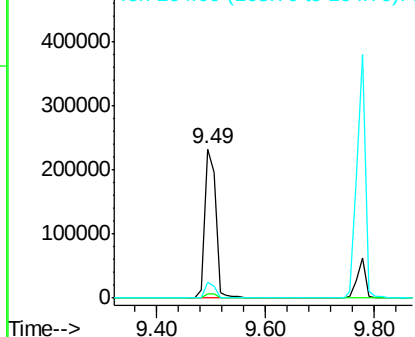


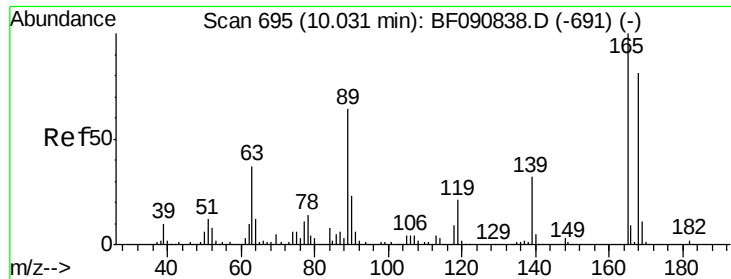
#49
Dimethylphthalate
Concen: 11.81 ng
RT: 9.49 min Scan# 648
Delta R.T. -0.02 min
Lab File: BF090964.D
Acq: 1 Nov 2016 21:22

Tgt Ion:163 Resp: 321838
Ion Ratio Lower Upper
163 100
194 2.6 4.4 6.6#
164 10.6 8.3 12.5



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

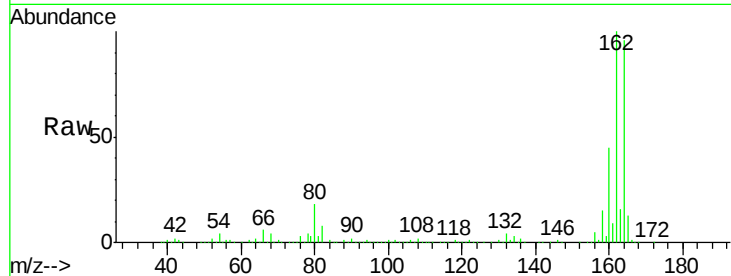




#56
2,4-Dinitrotoluene
Concen: 7.42 ng
RT: 9.78 min Scan# 673
Delta R.T. -0.21 min
Lab File: BF090964.D
Acq: 1 Nov 2016 21:22

Instrument :
BNA_F
ClientSampleId :
SB-5(0-2)

Tgt Ion:	165	Resp:	55511
Ion	Ratio	Lower	Upper
165	100		
63	0.8	29.8	44.6#
89	0.9	44.5	66.7#
182	0.0	3.0	4.4#

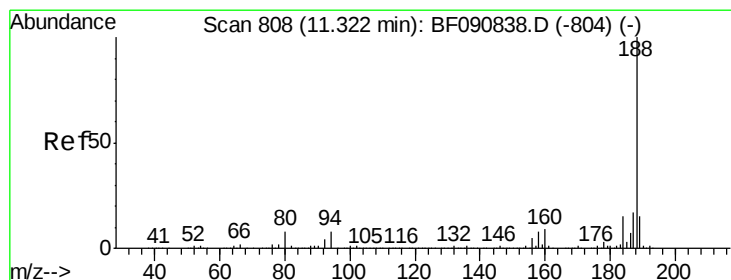
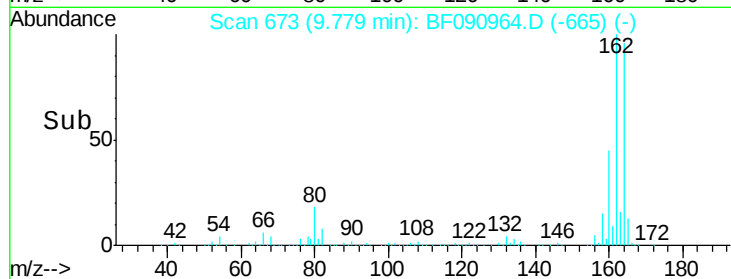
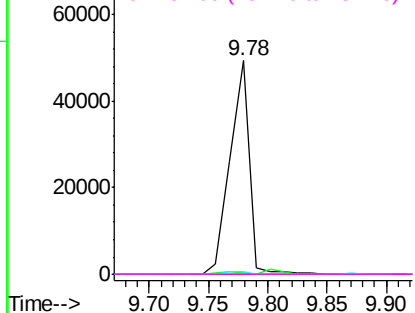


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

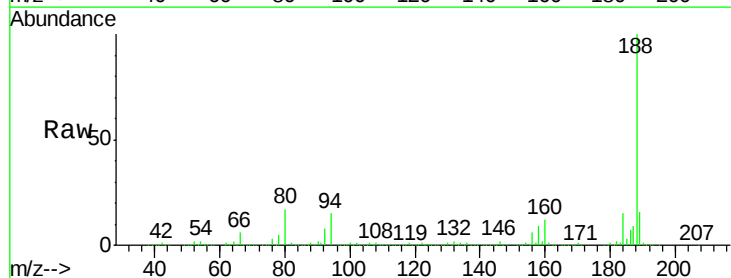
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF090964.D
Acq: 1 Nov 2016 21:22

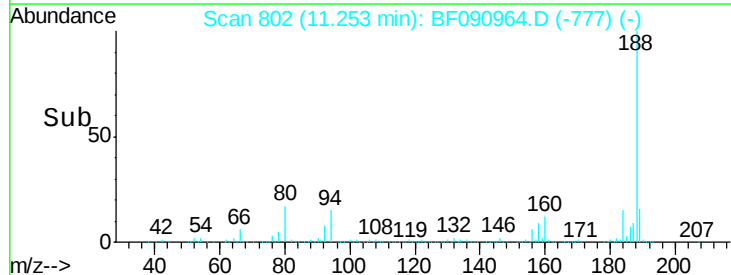
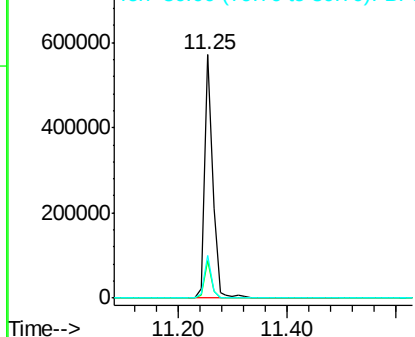
Tgt Ion:	188	Resp:	586752
Ion	Ratio	Lower	Upper
188	100		
94	15.3	11.1	16.7
80	17.5	11.0	16.4#

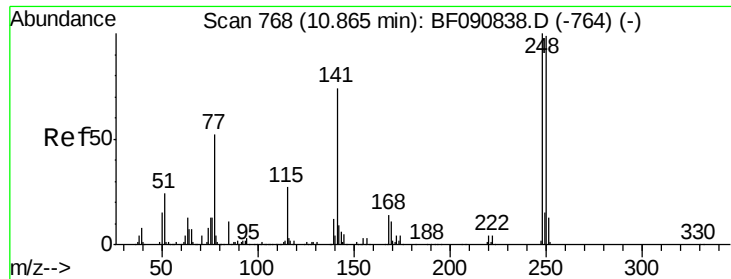


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

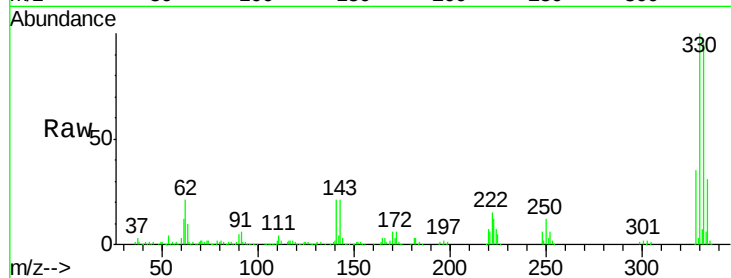




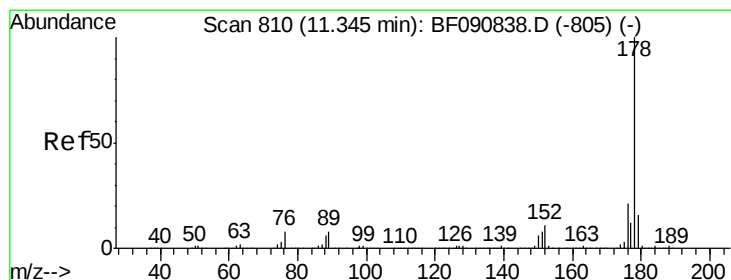
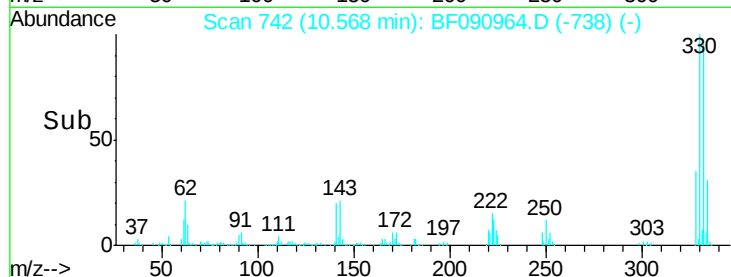
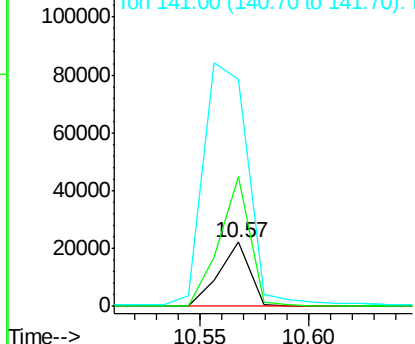
#66
 4-Bromophenyl-phenylether
 Concen: 3.43 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.25 min
 Lab File: BF090964.D
 Acq: 1 Nov 2016 21:22

Instrument :
 BNA_F
 ClientSampleId :
 SB-5(0-2)

Tgt Ion:248 Resp: 22058
 Ion Ratio Lower Upper
 248 100
 250 201.5 78.5 117.7#
 141 353.2 59.0 88.6#

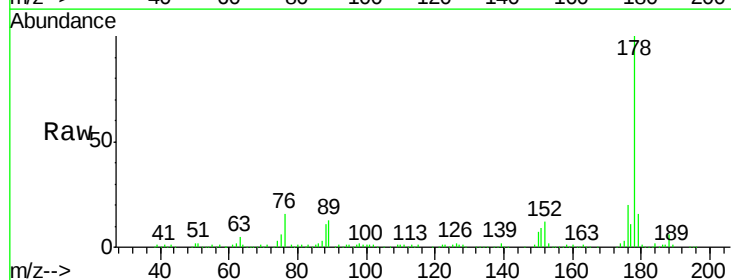


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

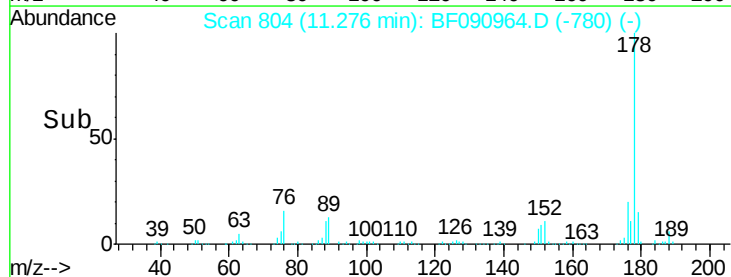
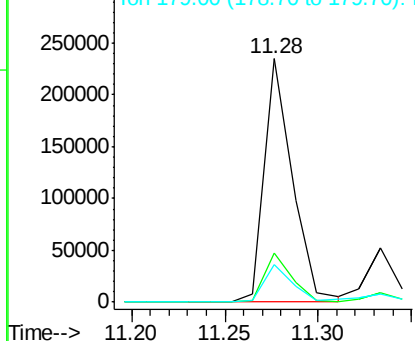


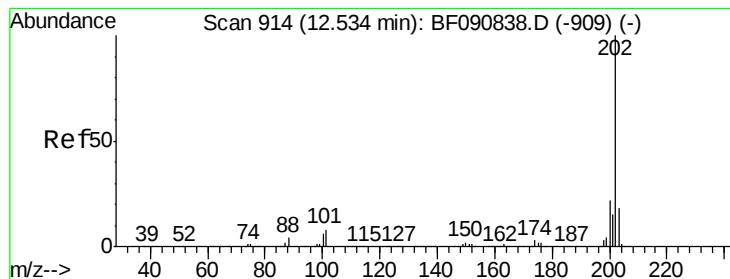
#70
 Phenanthrene
 Concen: 8.14 ng
 RT: 11.28 min Scan# 804
 Delta R.T. -0.02 min
 Lab File: BF090964.D
 Acq: 1 Nov 2016 21:22

Tgt Ion:178 Resp: 243320
 Ion Ratio Lower Upper
 178 100
 176 20.0 13.8 20.8
 179 15.5 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 10.64 ng

RT: 12.47 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF090964.D

Acq: 1 Nov 2016 21:22

Instrument :

BNA_F

ClientSampled :

SB-5(0-2)

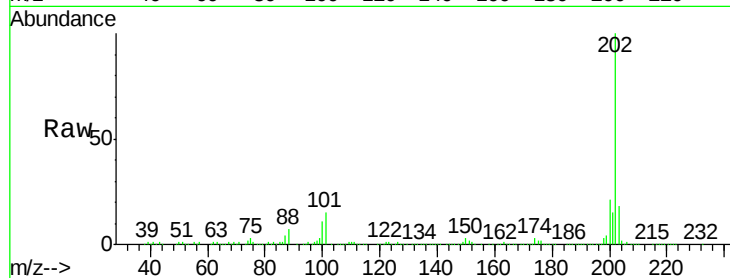
Tgt Ion:202 Resp: 348095

Ion Ratio Lower Upper

202 100

101 14.6 0.0 38.3

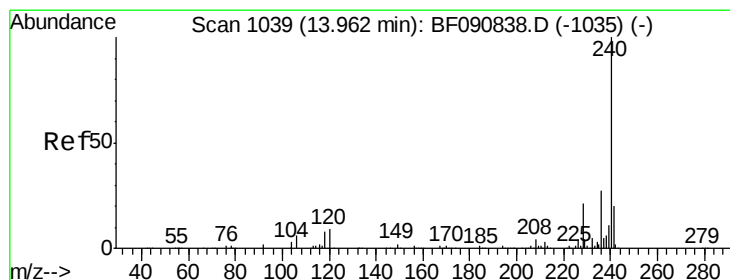
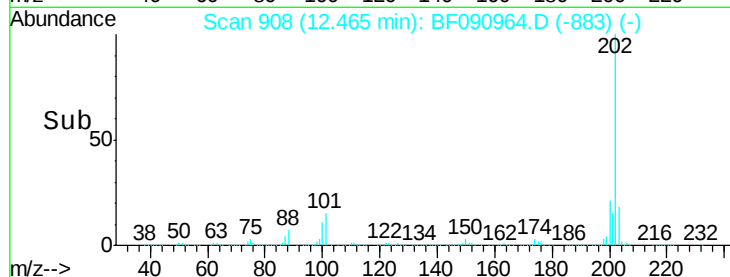
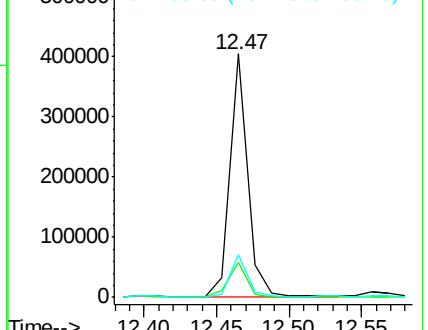
203 17.8 0.0 37.3



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: 13.89 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF090964.D

Acq: 1 Nov 2016 21:22

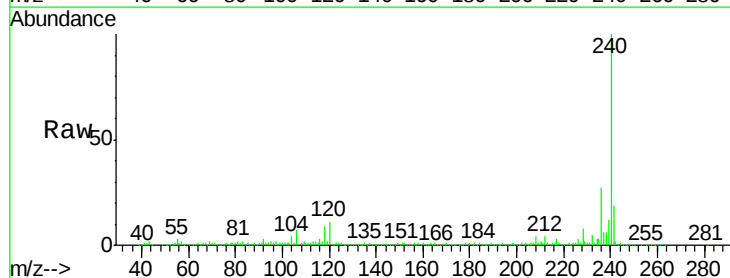
Tgt Ion:240 Resp: 372560

Ion Ratio Lower Upper

240 100

120 10.7 16.2 24.2#

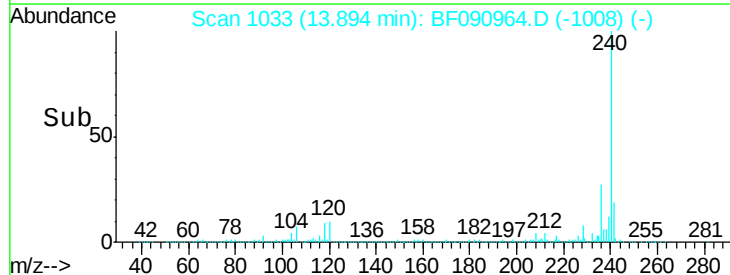
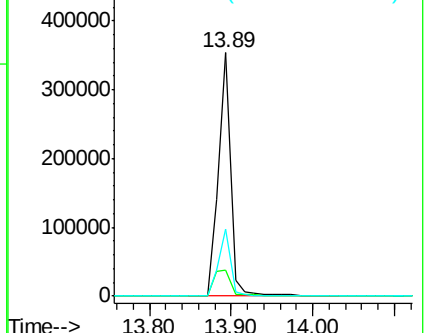
236 27.4 18.4 27.6

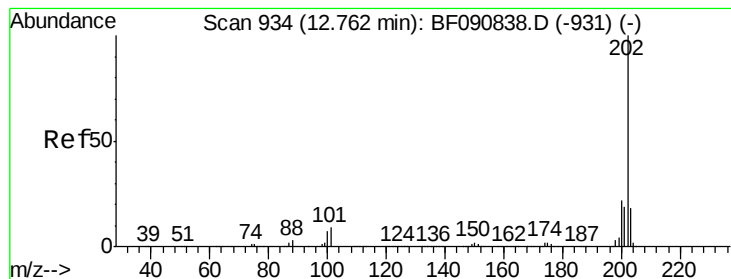


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 12.28 ng

RT: 12.69 min Scan# 928

Delta R.T. -0.01 min

Lab File: BF090964.D

Acq: 1 Nov 2016 21:22

Instrument :

BNA_F

ClientSampleId :

SB-5(0-2)

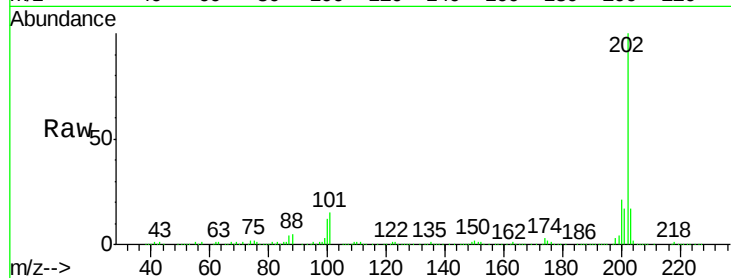
Tgt Ion: 202 Resp: 289578

Ion Ratio Lower Upper

202 100

200 21.0 15.0 22.4

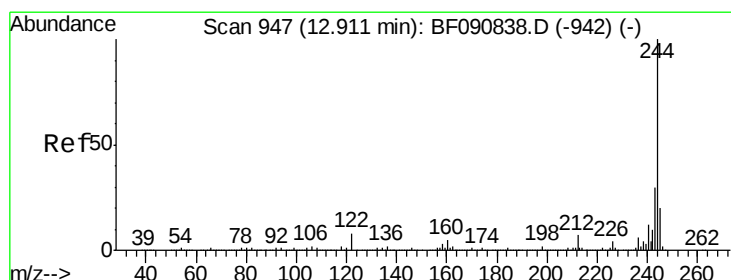
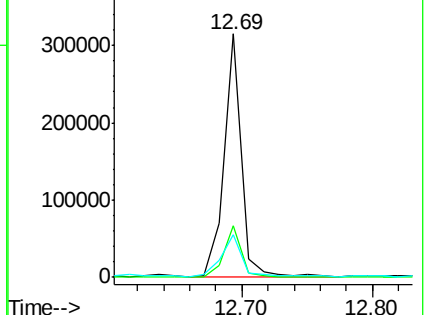
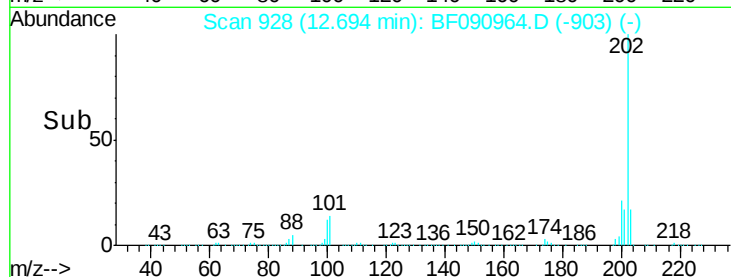
203 17.4 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 76.32 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF090964.D

Acq: 1 Nov 2016 21:22

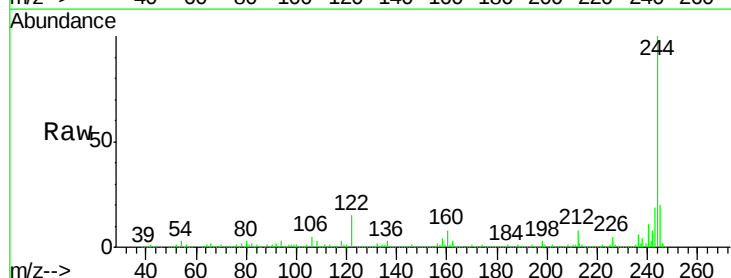
Tgt Ion: 244 Resp: 1128559

Ion Ratio Lower Upper

244 100

212 7.7 4.3 6.5#

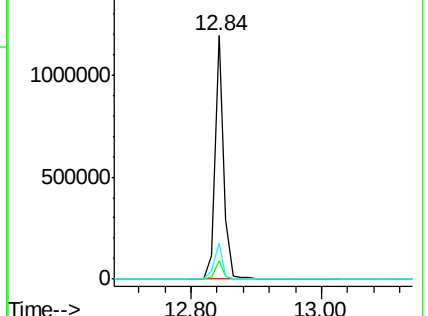
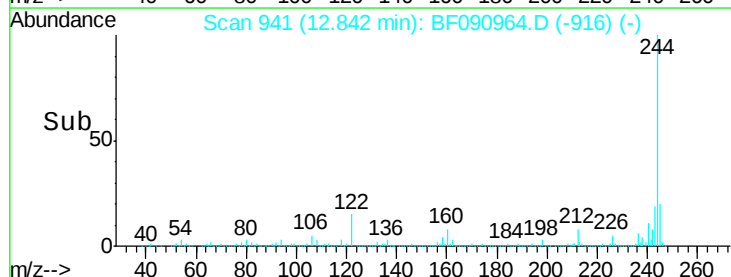
122 14.9 17.4 26.2#

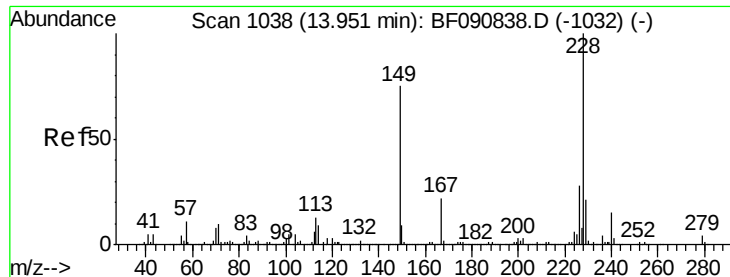


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

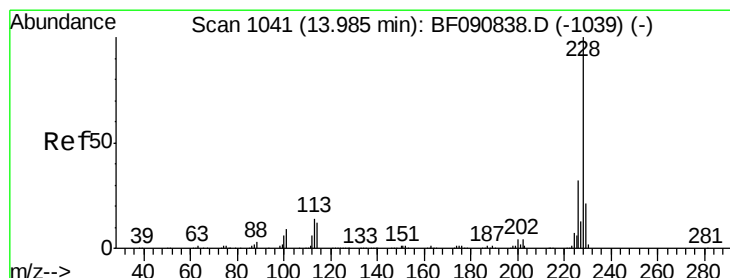
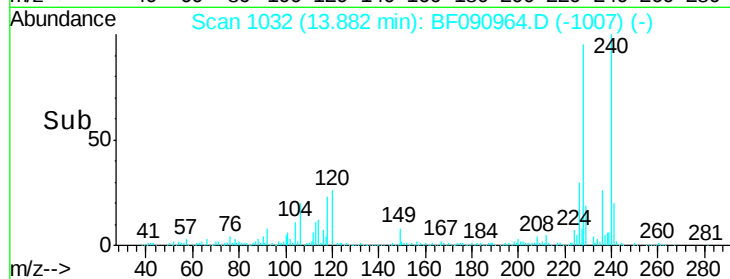
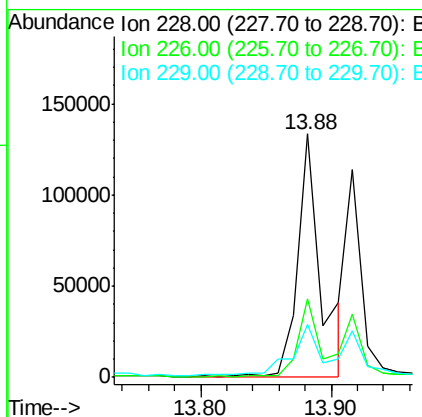
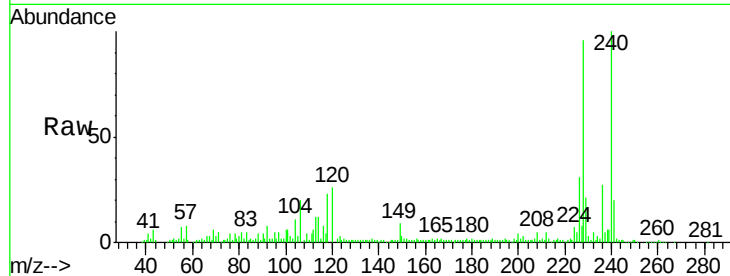




#80
 Benzo(a)anthracene
 Concen: 8.34 ng
 RT: 13.88 min Scan# 1032
 Delta R.T. -0.01 min
 Lab File: BF090964.D
 Acq: 1 Nov 2016 21:22

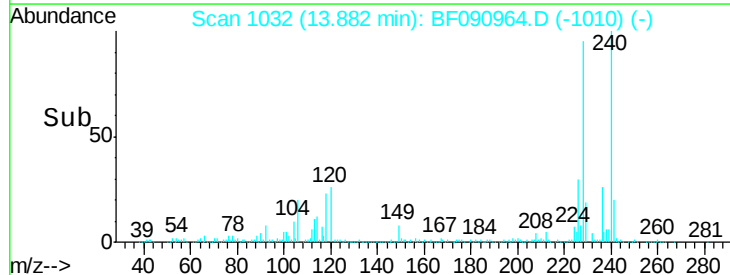
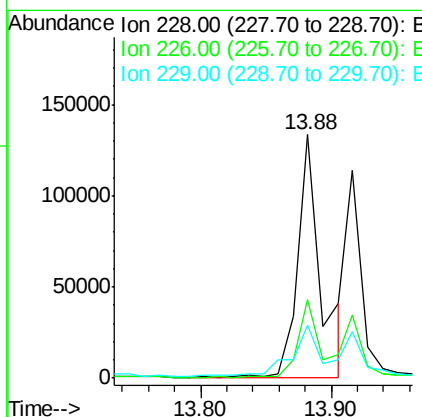
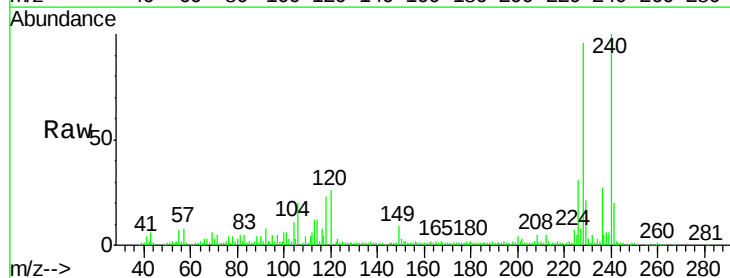
Instrument :
 BNA_F
 ClientSampleId :
 SB-5(0-2)

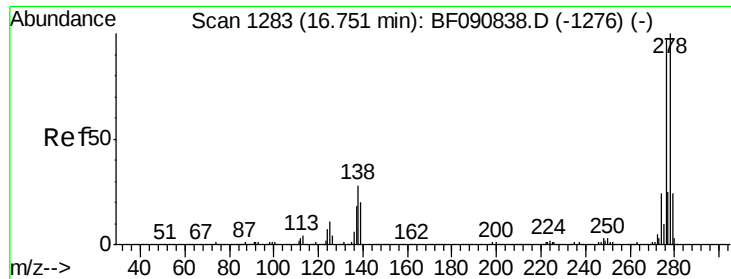
Tgt Ion:228 Resp: 164973
 Ion Ratio Lower Upper
 228 100
 226 32.4 20.0 30.0#
 229 21.6 15.4 23.2



#82
 Chrysene
 Concen: 8.25 ng
 RT: 13.88 min Scan# 1032
 Delta R.T. -0.05 min
 Lab File: BF090964.D
 Acq: 1 Nov 2016 21:22

Tgt Ion:228 Resp: 164973
 Ion Ratio Lower Upper
 228 100
 226 32.4 21.0 31.4#
 229 21.6 15.6 23.4

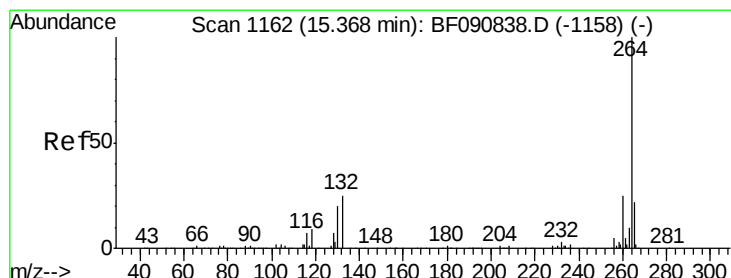
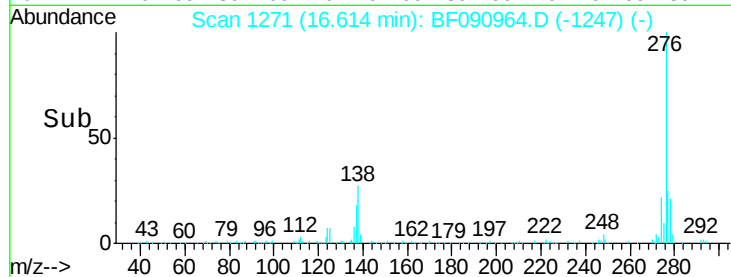
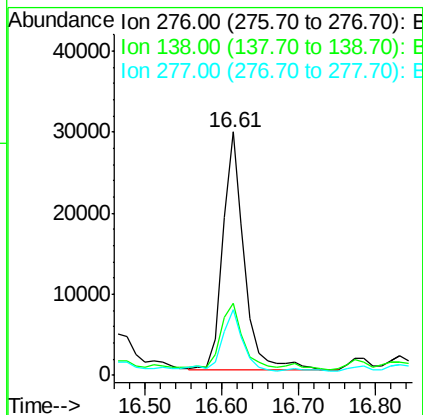
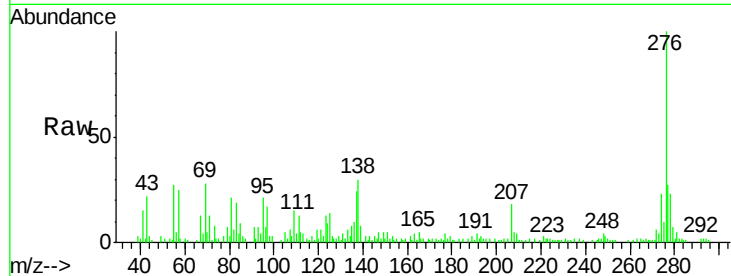




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.26 ng
 RT: 16.61 min Scan# 1271
 Delta R.T. -0.02 min
 Lab File: BF090964.D
 Acq: 1 Nov 2016 21:22

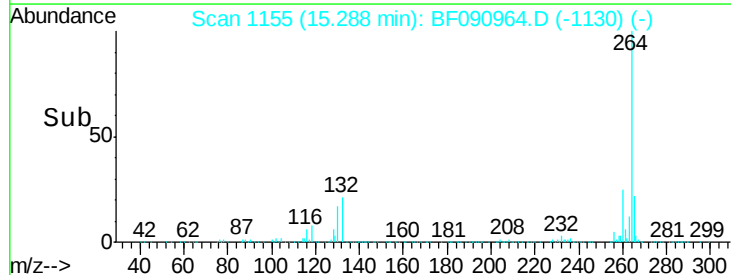
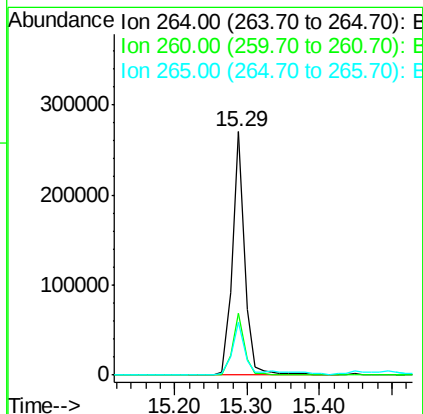
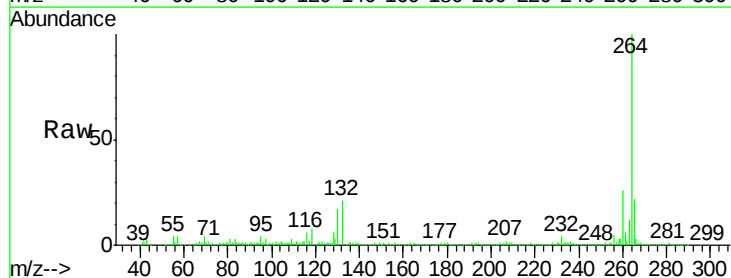
Instrument :
 BNA_F
 ClientSampleId :
 SB-5(0-2)

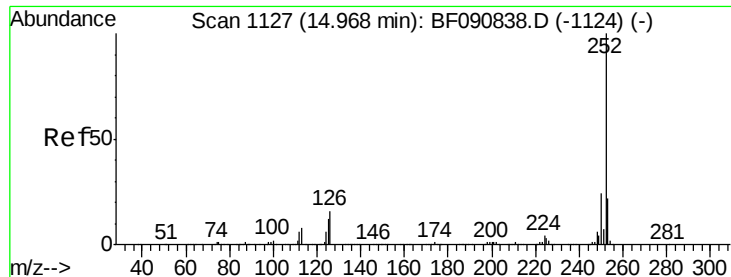
Tgt Ion:276 Resp: 57777
 Ion Ratio Lower Upper
 276 100
 138 26.4 25.7 38.5
 277 24.8 15.6 23.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.29 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: BF090964.D
 Acq: 1 Nov 2016 21:22

Tgt Ion:264 Resp: 319653
 Ion Ratio Lower Upper
 264 100
 260 25.6 16.7 25.1#
 265 21.7 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 8.63 ng

RT: 14.90 min Scan# 1121

Delta R.T. -0.01 min

Lab File: BF090964.D

Acq: 1 Nov 2016 21:22

Instrument :

BNA_F

ClientSampleId :

SB-5(0-2)

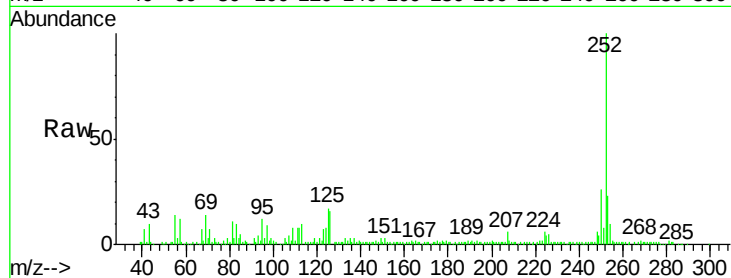
Tgt Ion:252 Resp: 185475

Ion Ratio Lower Upper

252 100

253 23.4 17.5 26.3

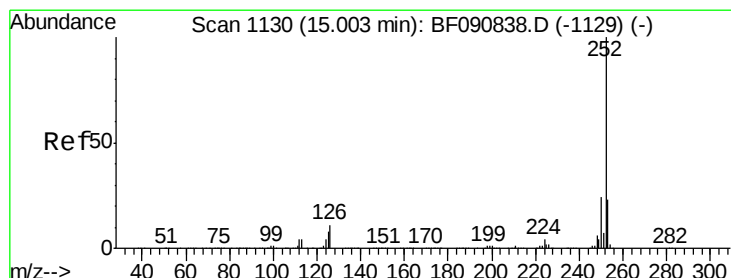
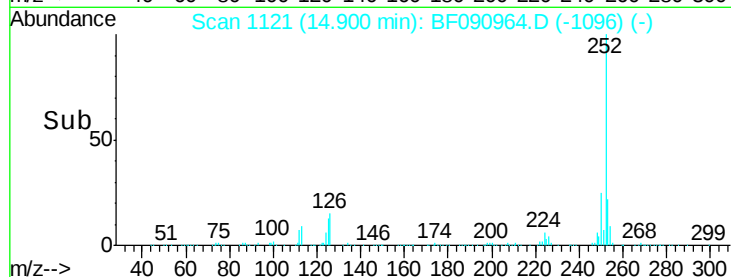
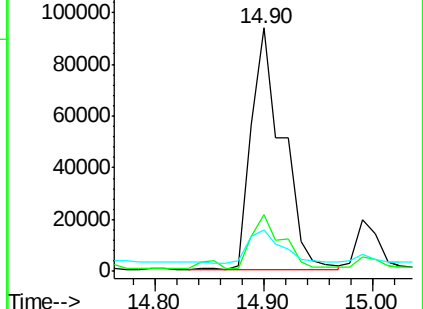
125 17.0 17.1 25.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 10.92 ng

RT: 14.90 min Scan# 1121

Delta R.T. -0.03 min

Lab File: BF090964.D

Acq: 1 Nov 2016 21:22

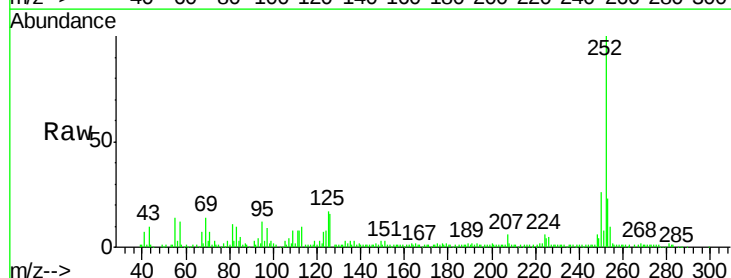
Tgt Ion:252 Resp: 185475

Ion Ratio Lower Upper

252 100

253 23.4 17.0 25.4

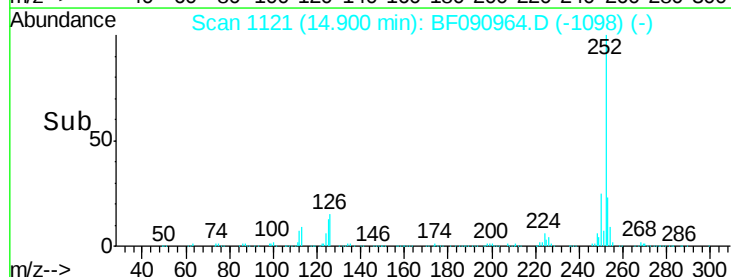
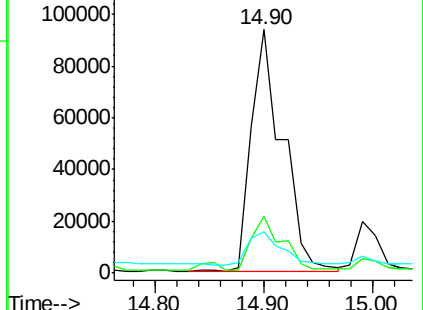
125 17.0 16.0 24.0

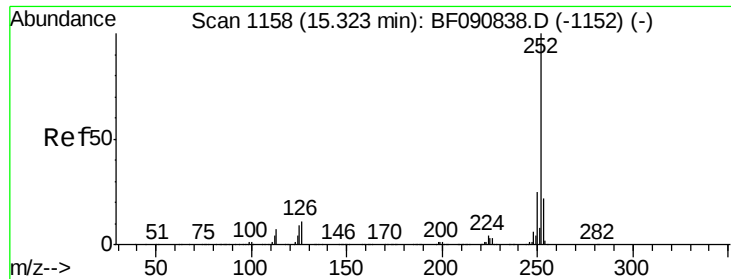


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 3.39 ng

RT: 15.17 min Scan# 1145

Delta R.T. -0.07 min

Lab File: BF090964.D

Acq: 1 Nov 2016 21:22

Instrument :

BNA_F

ClientSampleId :

SB-5(0-2)

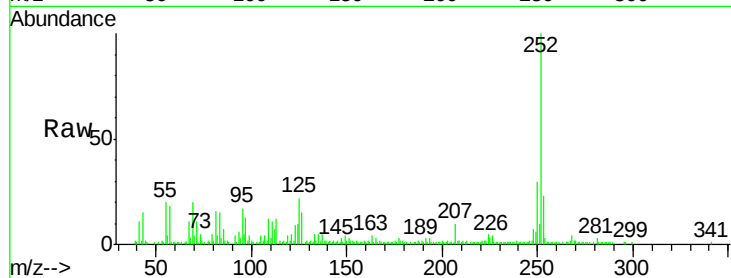
Tgt Ion:252 Resp: 62684

Ion Ratio Lower Upper

252 100

253 23.2 17.2 25.8

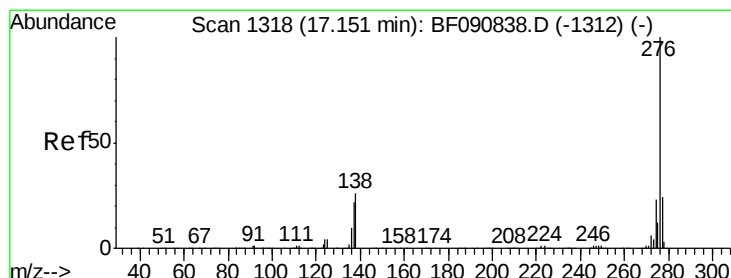
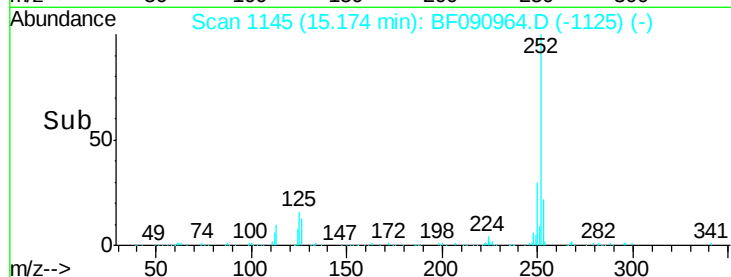
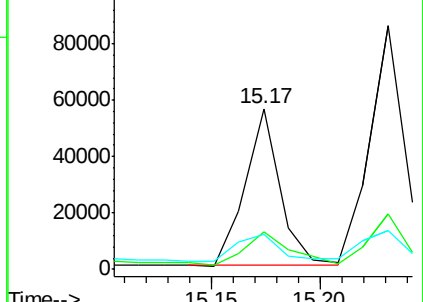
125 22.0 18.0 27.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 3.42 ng

RT: 17.01 min Scan# 1306

Delta R.T. -0.02 min

Lab File: BF090964.D

Acq: 1 Nov 2016 21:22

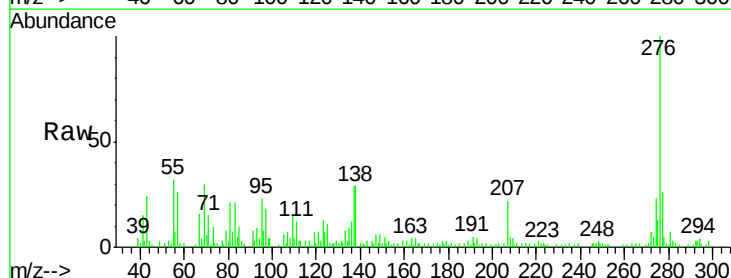
Tgt Ion:276 Resp: 50387

Ion Ratio Lower Upper

276 100

277 26.1 17.8 26.6

138 29.4 34.6 51.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

