

Data Path : Z:\HPCHEM1\BNA F\Data\BF102115\
 Data File : BF082425.D
 Acq On : 22 Oct 2015 2:12
 Operator : UM/IZ
 Sample : G4116-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB3-01(0-2)

Quant Time: Oct 22 12:02:10 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 21 13:20:24 2015
 Response via : Initial Calibration

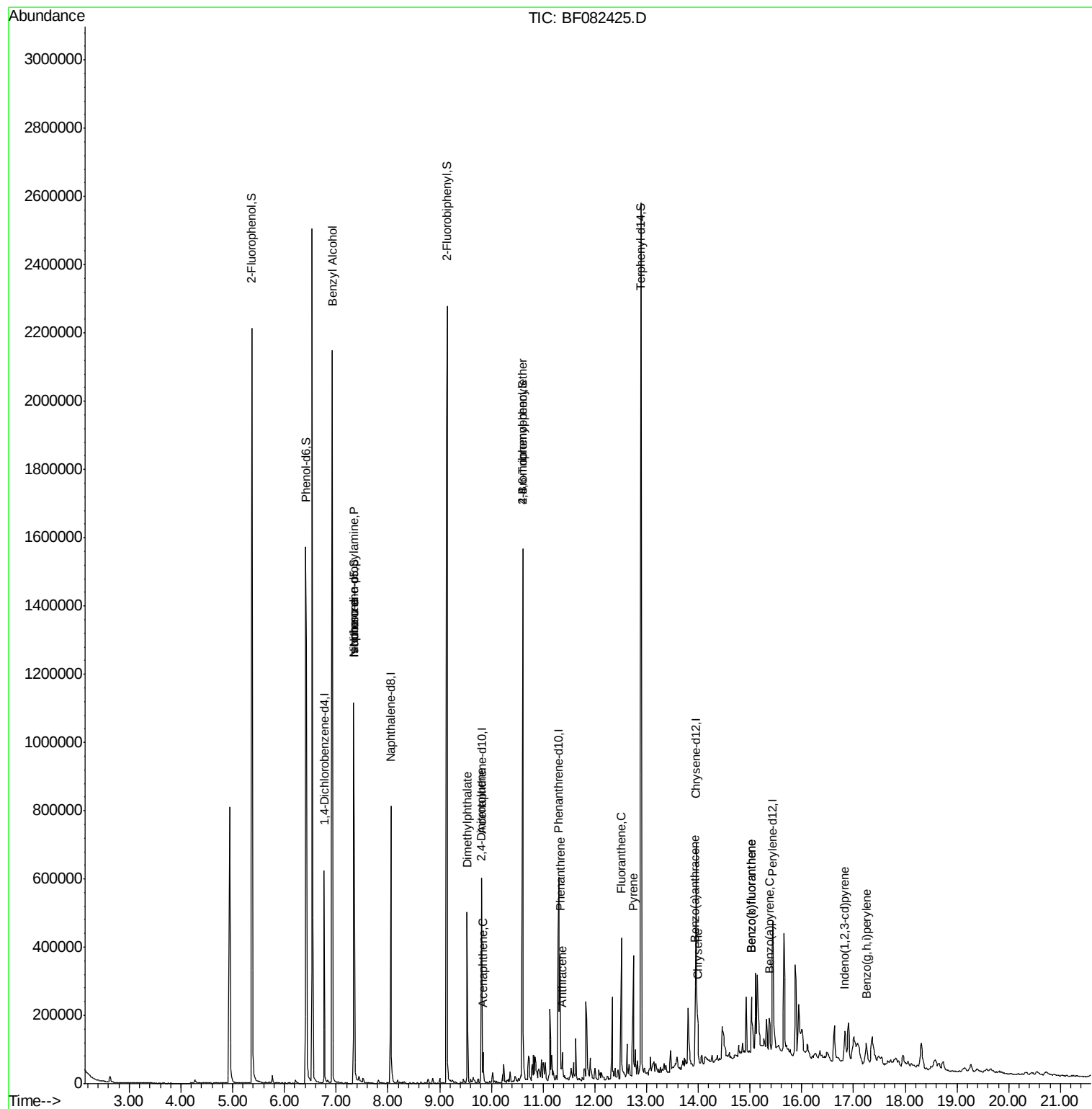
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	100685	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	384781	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	175865	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	318533	20.00	ng	0.00
75) Chrysene-d12	13.96	240	223124	20.00	ng	-0.06
86) Perylene-d12	15.44	264	203377	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	663418	132.98	ng	0.01
7) Phenol-d6	6.41	99	860675	132.57	ng	-0.01
23) Nitrobenzene-d5	7.34	82	506326	88.37	ng	-0.01
41) 2,4,6-Tribromophenol	10.61	330	178825	108.43	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	1094214	103.18	ng	0.00
78) Terphenyl-d14	12.89	244	858825	102.00	ng	-0.01
Target Compounds						Qvalue
15) Benzyl Alcohol	6.93	79	9448	2.11	ng	# 46
19) n-Nitroso-di-n-propylamine	7.34	70	64745	14.20	ng	# 81
25) Isophorone	7.34	82	462224	39.97	ng	# 66
49) Dimethylphthalate	9.53	163	224348	18.12	ng	100
51) Acenaphthene	9.84	154	22444	2.27	ng	99
56) 2,4-Dinitrotoluene	9.81	165	22091	6.76	ng	# 23
66) 4-Bromophenyl-phenylether	10.61	248	14706	4.61	ng	# 1
70) Phenanthrene	11.33	178	162149	10.39	ng	97
71) Anthracene	11.37	178	44961	2.79	ng	98
74) Fluoranthene	12.51	202	213483	12.73	ng	96
77) Pyrene	12.74	202	174825	13.20	ng	98
80) Benzo(a)anthracene	13.94	228	76469	6.59	ng	99
82) Chrysene	13.99	228	67047	5.48	ng	98
85) Indeno(1,2,3-cd)pyrene	16.82	276	45408	4.67	ng	# 90
87) Benzo(b)fluoranthene	15.03	252	119736	9.68	ng	99
88) Benzo(k)fluoranthene	15.03	252	119736	11.51	ng	# 97
89) Benzo(a)pyrene	15.37	252	57745	5.43	ng	# 94
91) Benzo(g,h,i)perylene	17.25	276	44051	5.20	ng	# 92

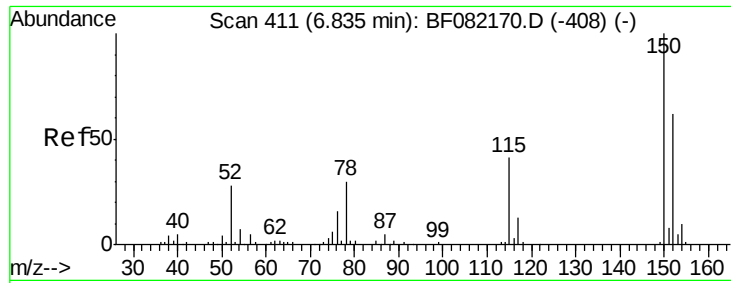
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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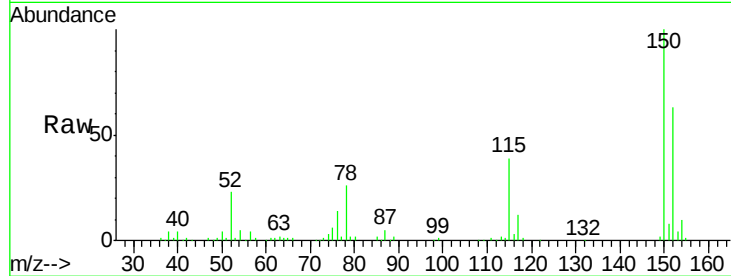


#1

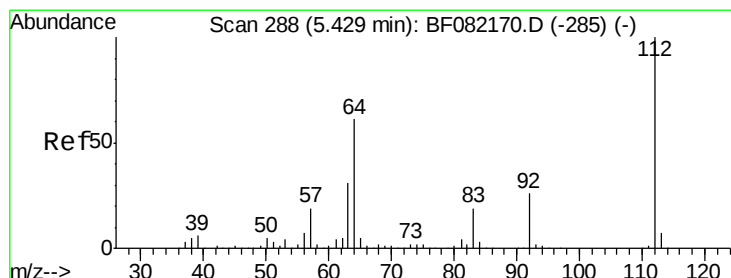
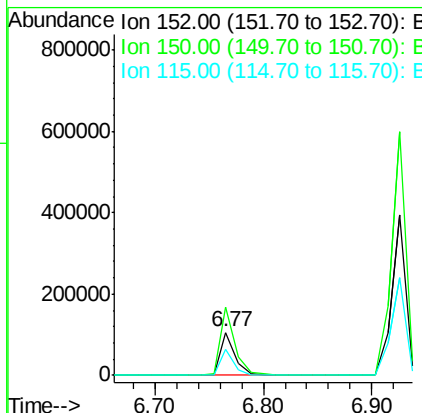
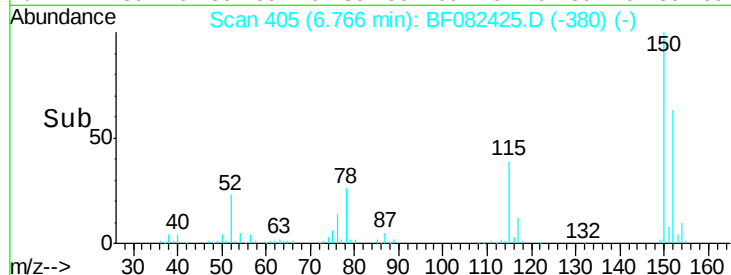
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 405
Delta R.T. -0.01 min
Lab File: BF082425.D
Acq: 22 Oct 2015 2:12

Instrument :
BNA_F
ClientSampleId :
NB3-01(0-2)

Tot Ion:152 Resp: 100685
Ion Ratio Lower Upper
152 100
150 159.4 129.0 193.4
115 61.4 52.1 78.1



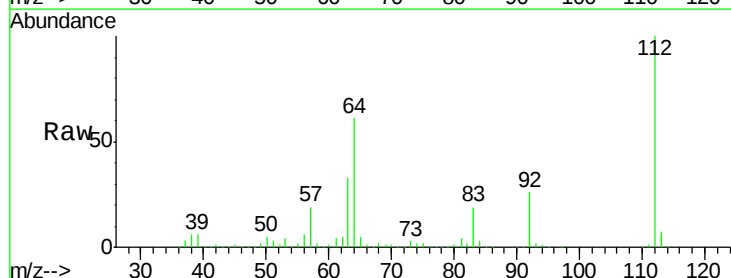
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



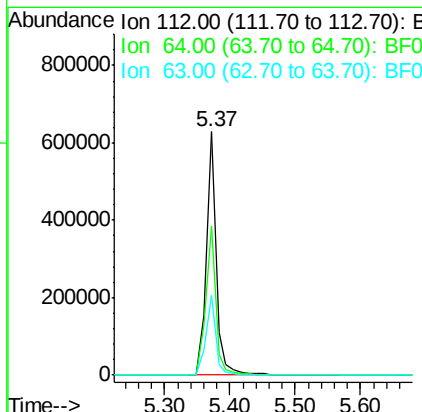
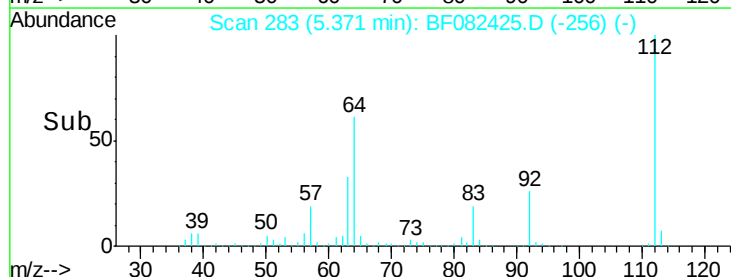
#5

2-Fluorophenol
Concen: 132.98 ng
RT: 5.37 min Scan# 283
Delta R.T. 0.01 min
Lab File: BF082425.D
Acq: 22 Oct 2015 2:12

Tgt Ion:112 Resp: 663418
Ion Ratio Lower Upper
112 100
64 61.4 48.6 73.0
63 32.7 25.1 37.7



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: 132.57 ng

RT: 6.41 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF082425.D

Acq: 22 Oct 2015 2:12

Instrument :

BNA_F

ClientSampleId :

NB3-01(0-2)

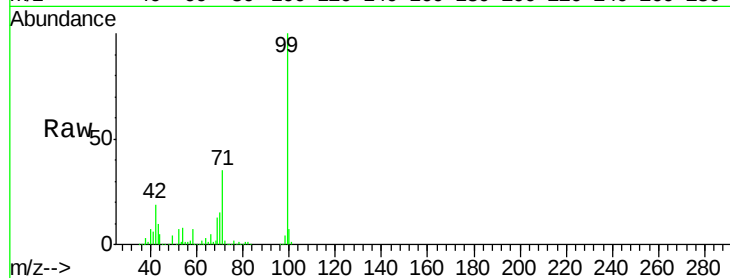
Tot Ion: 99 Resp: 860675

Ion Ratio Lower Upper

99 100

42 18.8 13.2 19.8

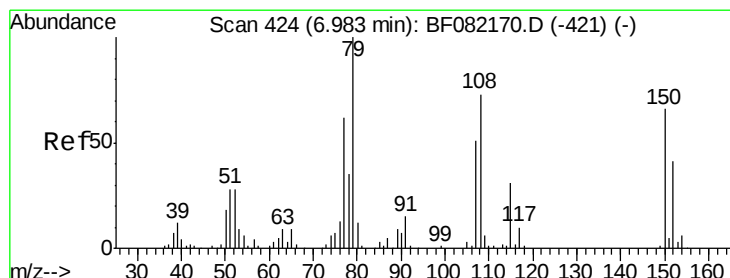
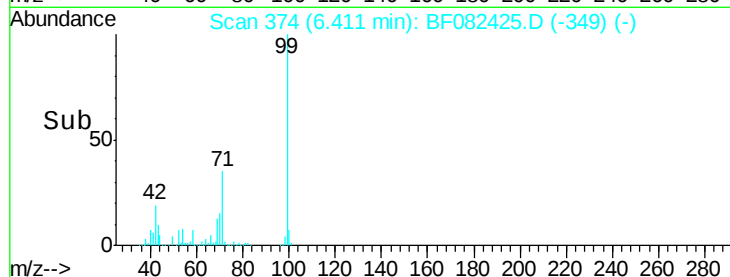
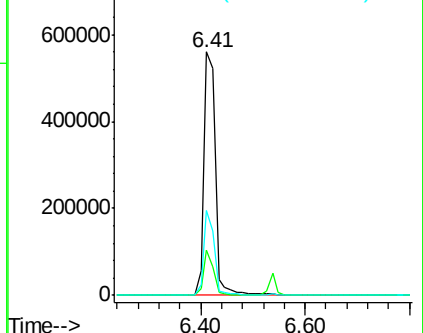
71 34.9 25.6 38.4



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



#15

Benzyl Alcohol

Concen: 2.11 ng

RT: 6.93 min Scan# 419

Delta R.T. -0.00 min

Lab File: BF082425.D

Acq: 22 Oct 2015 2:12

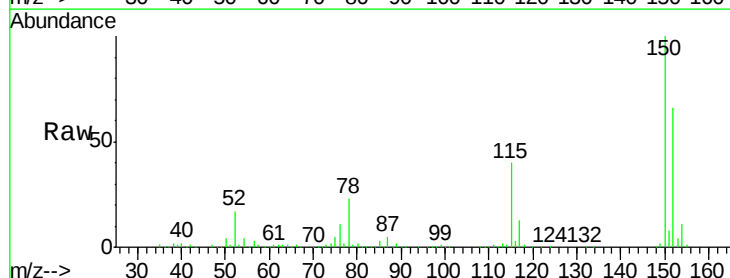
Tgt Ion: 79 Resp: 9448

Ion Ratio Lower Upper

79 100

108 32.1 58.4 87.6#

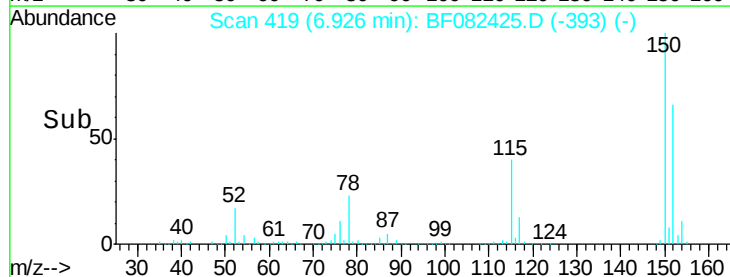
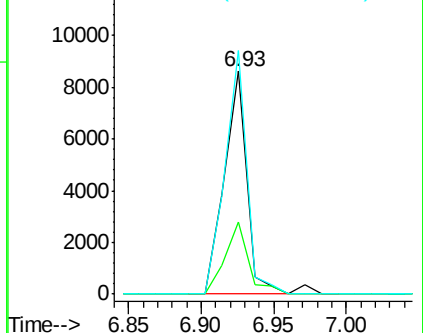
77 109.3 49.8 74.6#

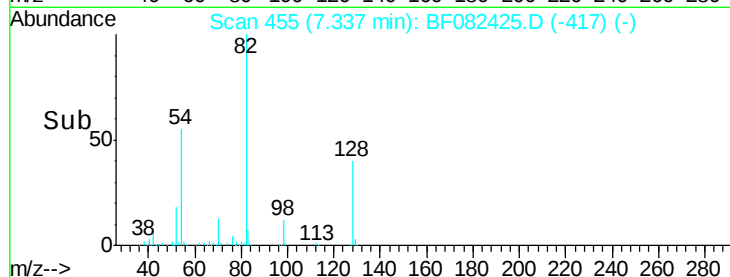
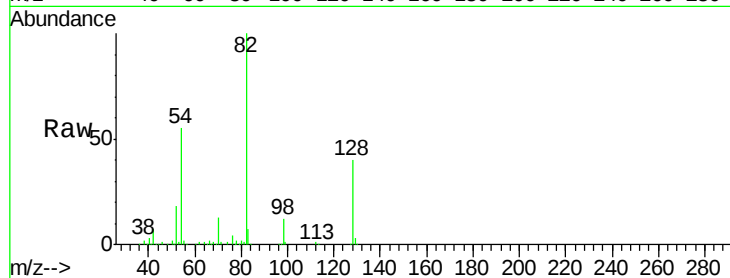
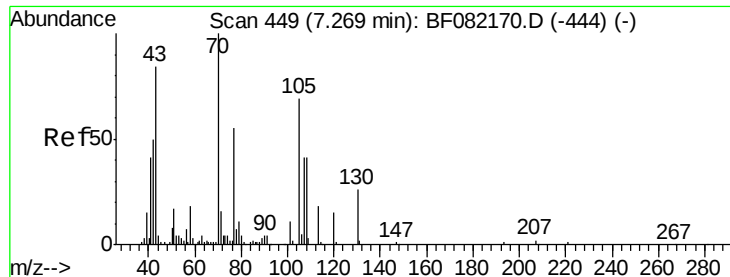


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

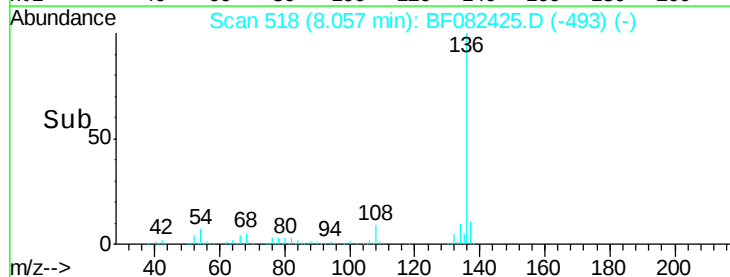
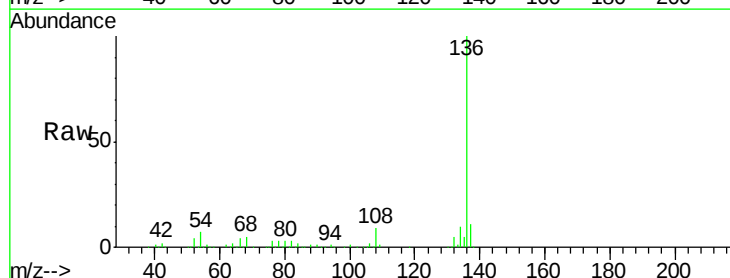
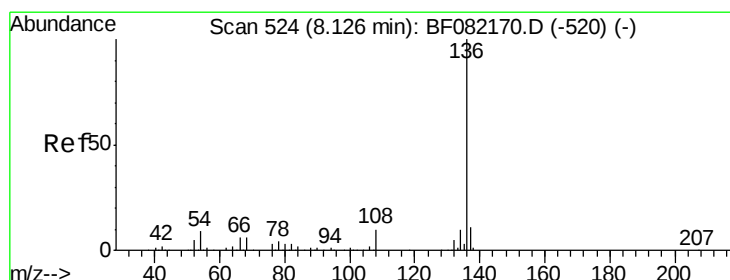
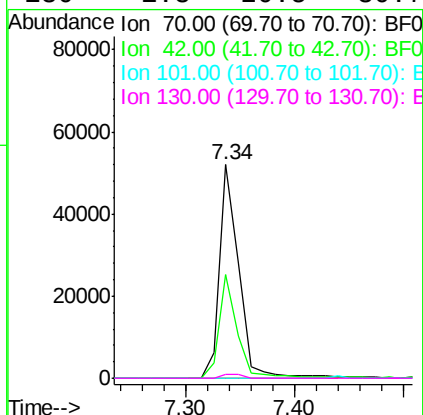




#19
n-Nitroso-di-n-propylamine
Concen: 14.20 ng
RT: 7.34 min Scan# 455
Delta R.T. 0.14 min
Lab File: BF082425.D
Acq: 22 Oct 2015 2:12

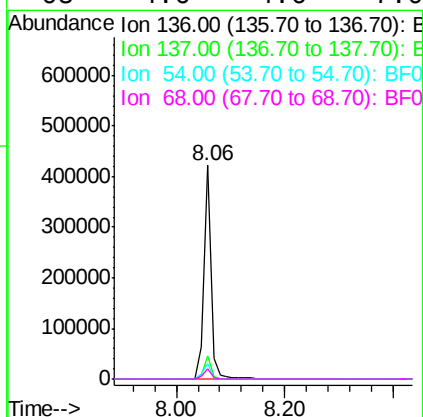
Instrument :
BNA_F
ClientSampleId :
NB3-01(0-2)

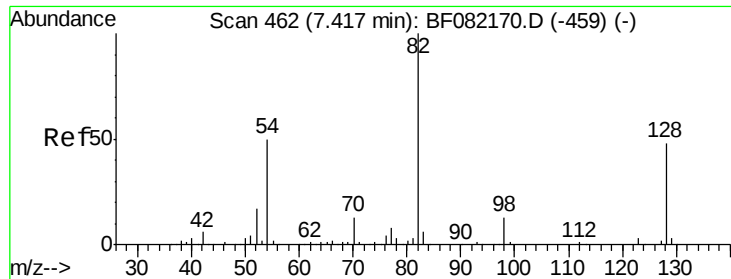
Tot Ion	Ratio	Lower	Upper
70	100		
42	48.4	39.8	59.8
101	0.0	8.6	13.0#
130	1.8	20.5	30.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 518
Delta R.T. -0.01 min
Lab File: BF082425.D
Acq: 22 Oct 2015 2:12

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.6
54	7.2	7.5	11.3#
68	4.6	4.6	7.0#

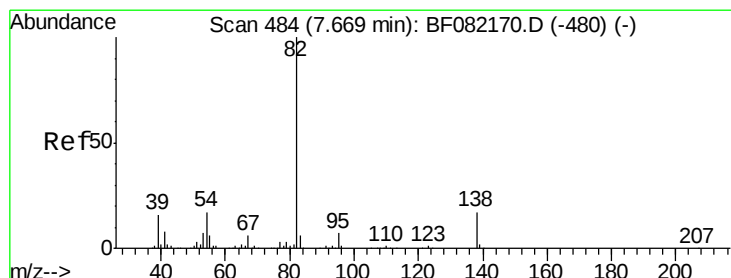
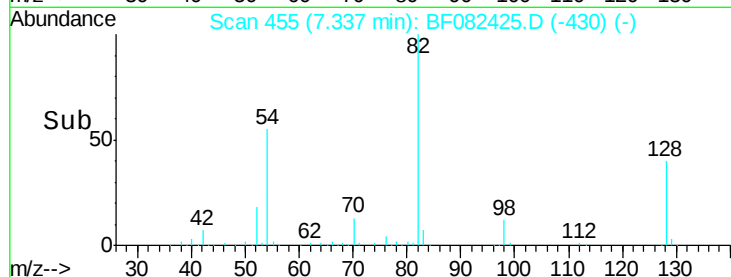
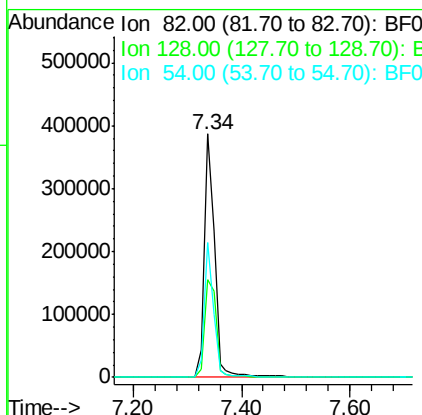
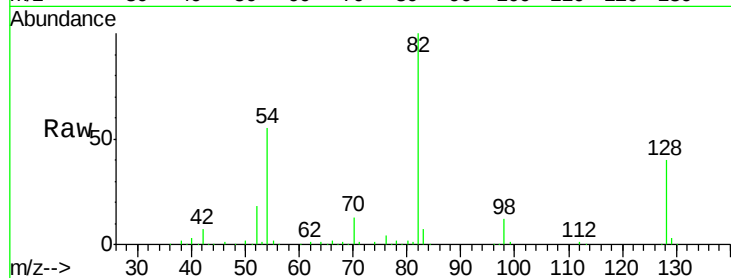




#23
 Nitrobenzene-d5
 Concen: 88.37 ng
 RT: 7.34 min Scan# 455
 Delta R.T. -0.01 min
 Lab File: BF082425.D
 Acq: 22 Oct 2015 2:12

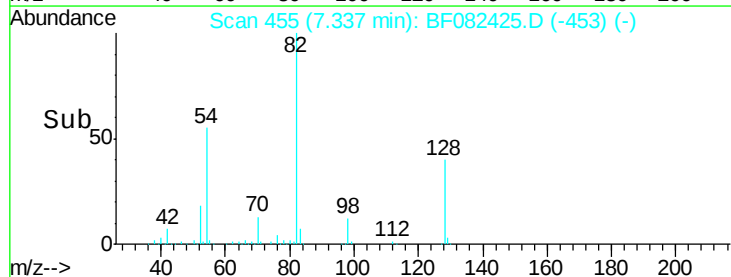
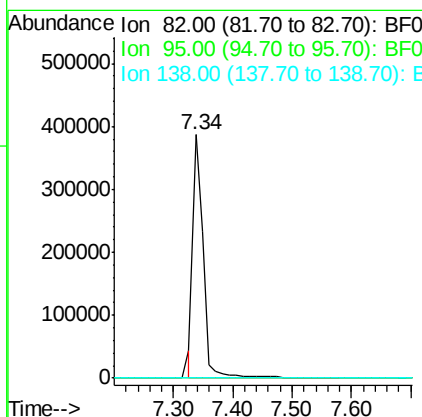
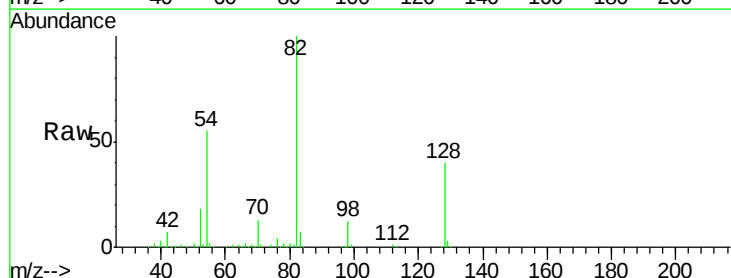
Instrument :
 BNA_F
 ClientSampleId :
 NB3-01(0-2)

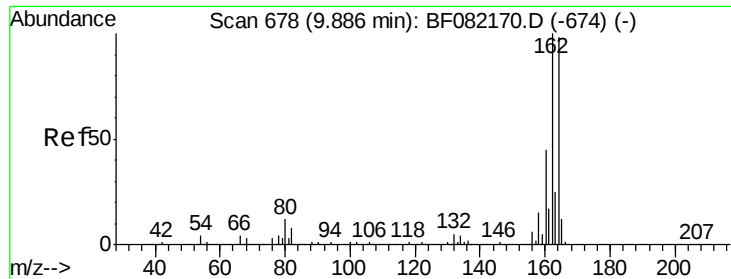
Tot Ion	82	Resp	506326
Ion Ratio	Lower	Upper	
82	100		
128	40.2	38.7	58.1
54	55.4	40.1	60.1



#25
 Isophorone
 Concen: 39.97 ng
 RT: 7.34 min Scan# 455
 Delta R.T. -0.27 min
 Lab File: BF082425.D
 Acq: 22 Oct 2015 2:12

Tgt Ion	82	Resp	462224
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.6	8.4#
138	0.0	13.6	20.4#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 672

Delta R.T. -0.00 min

Lab File: BF082425.D

Acq: 22 Oct 2015 2:12

Instrument :

BNA_F

ClientSampleId :

NB3-01(0-2)

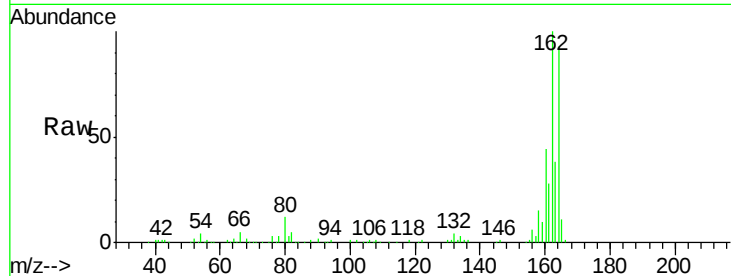
Tot Ion:164 Resp: 175865

Ion Ratio Lower Upper

164 100

162 107.4 81.6 122.4

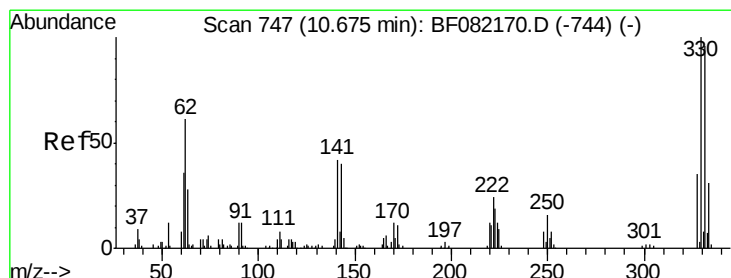
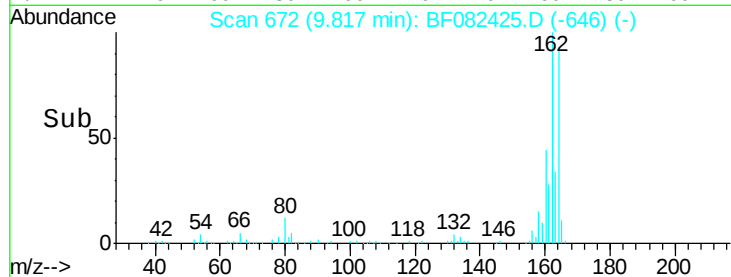
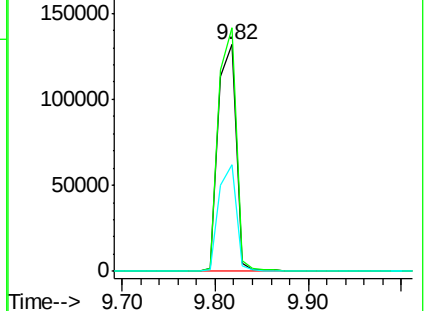
160 47.2 36.4 54.6



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: 108.43 ng

RT: 10.61 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF082425.D

Acq: 22 Oct 2015 2:12

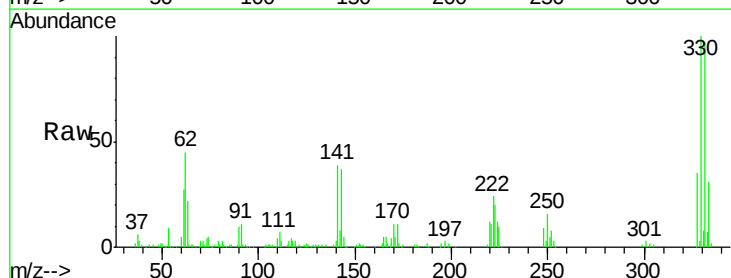
Tgt Ion:330 Resp: 178825

Ion Ratio Lower Upper

330 100

332 97.8 77.1 115.7

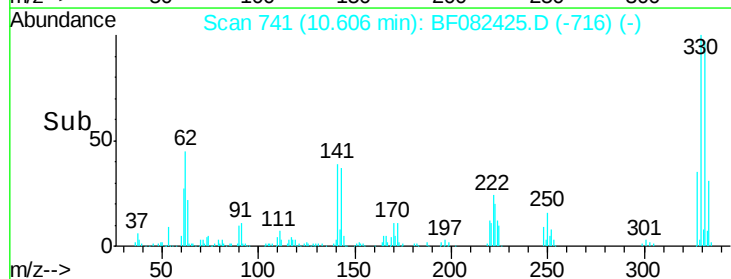
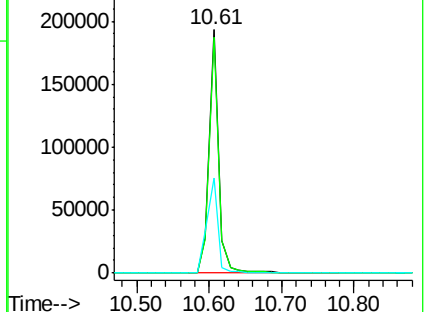
141 45.2 29.8 44.8#



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

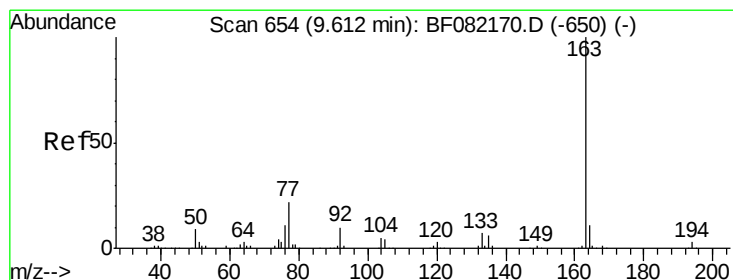
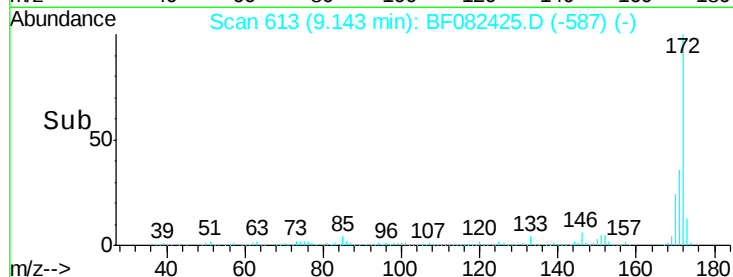
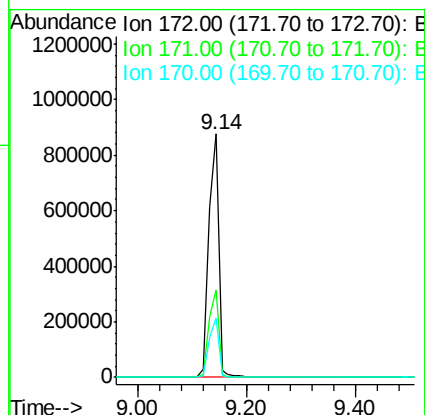
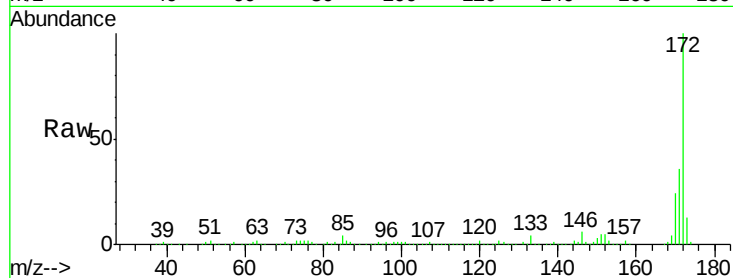




#44
2-Fluorobiphenyl
Concen: 103.18 ng
RT: 9.14 min Scan# 613
Delta R.T. -0.00 min
Lab File: BF082425.D
Acq: 22 Oct 2015 2:12

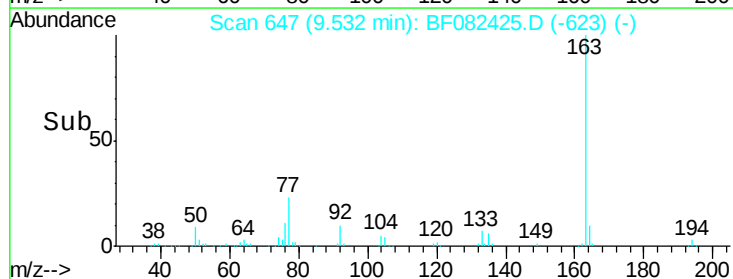
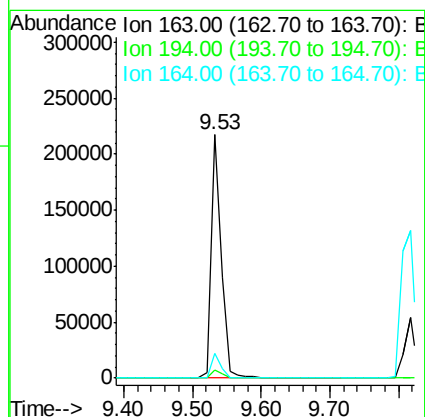
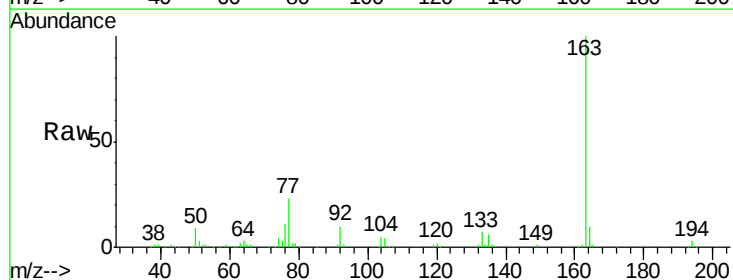
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NB3-01(0-2)

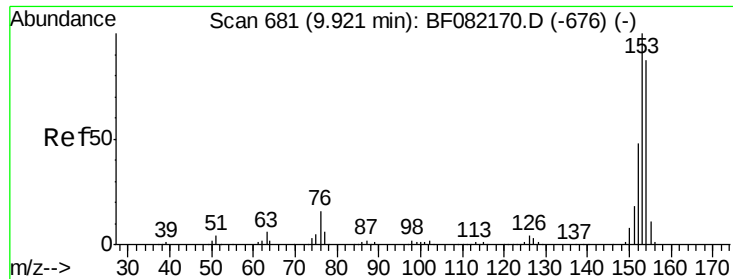
Tot Ion:172 Resp: 1094214
Ion Ratio Lower Upper
172 100
171 36.0 28.6 42.8
170 24.4 19.7 29.5



#49
Dimethylphthalate
Concen: 18.12 ng
RT: 9.53 min Scan# 647
Delta R.T. -0.02 min
Lab File: BF082425.D
Acq: 22 Oct 2015 2:12

Tgt Ion:163 Resp: 224348
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 10.4 8.5 12.7





#51

Acenaphthene

Concen: 2.27 ng

RT: 9.84 min Scan# 674

Delta R.T. -0.01 min

Lab File: BF082425.D

Acq: 22 Oct 2015 2:12

Instrument :

BNA_F

ClientSampleId :

NB3-01(0-2)

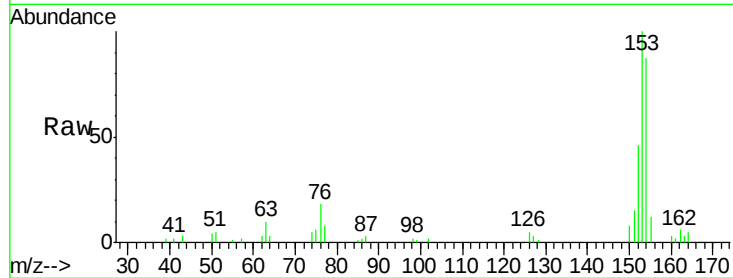
Tot Ion:154 Resp: 22444

Ion Ratio Lower Upper

154 100

153 114.6 91.4 137.2

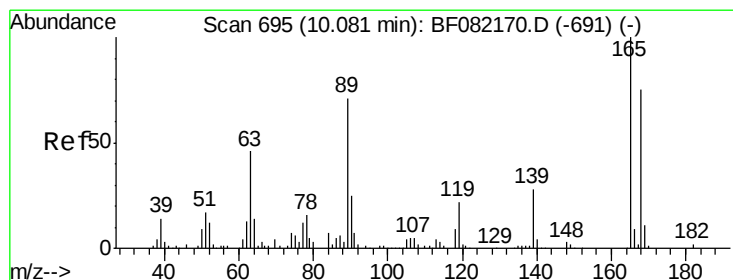
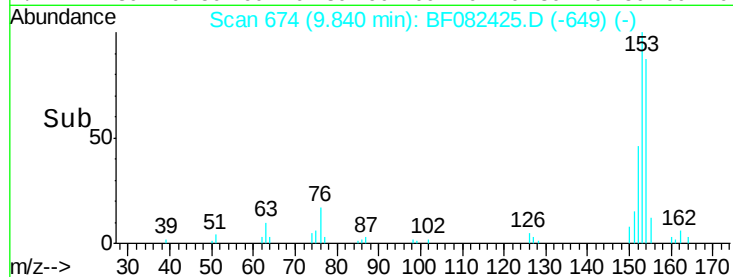
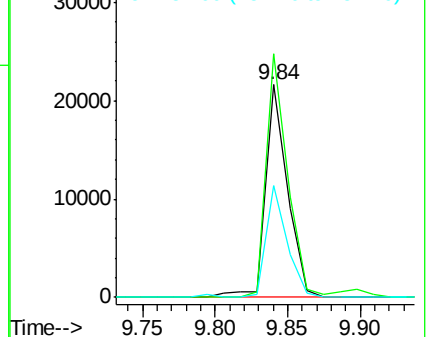
152 52.7 44.3 66.5



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#56

2,4-Dinitrotoluene

Concen: 6.76 ng

RT: 9.81 min Scan# 671

Delta R.T. -0.22 min

Lab File: BF082425.D

Acq: 22 Oct 2015 2:12

Tgt Ion:165 Resp: 22091

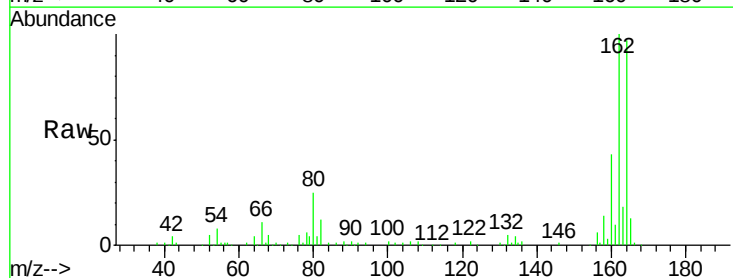
Ion Ratio Lower Upper

165 100

63 0.0 38.6 58.0#

89 2.1 57.0 85.6#

182 0.0 1.8 2.6#

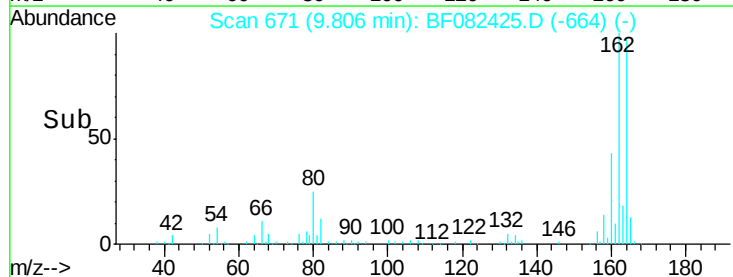
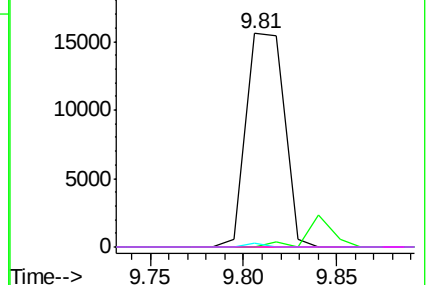


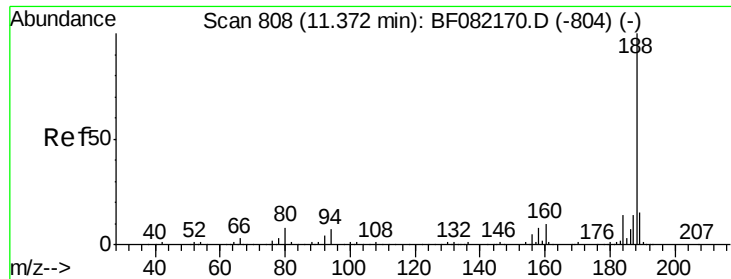
Abundance Ion 165.00 (164.70 to 165.70): E

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

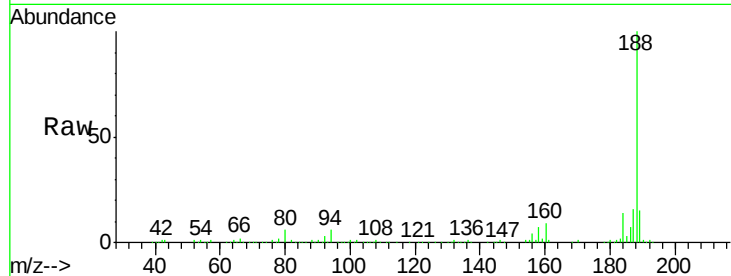




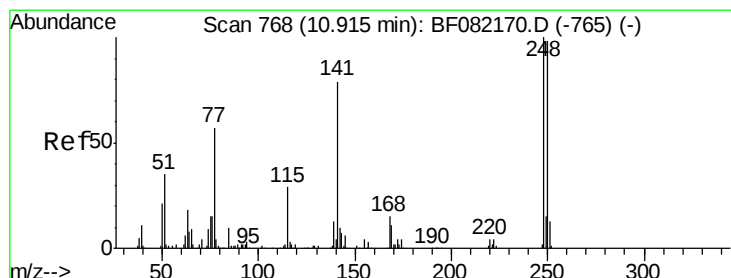
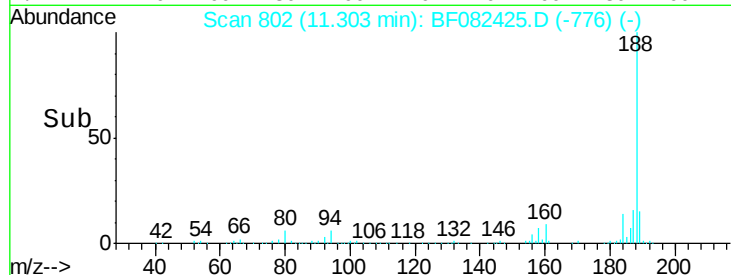
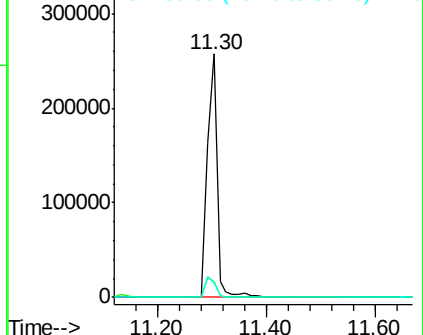
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF082425.D
Acq: 22 Oct 2015 2:12

Instrument :
BNA_F
ClientSampleId :
NB3-01(0-2)

Tot Ion:188 Resp: 318533
Ion Ratio Lower Upper
188 100
94 6.3 5.8 8.6
80 6.2 6.4 9.6#

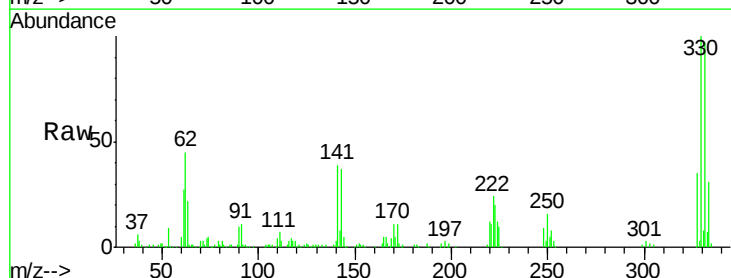


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

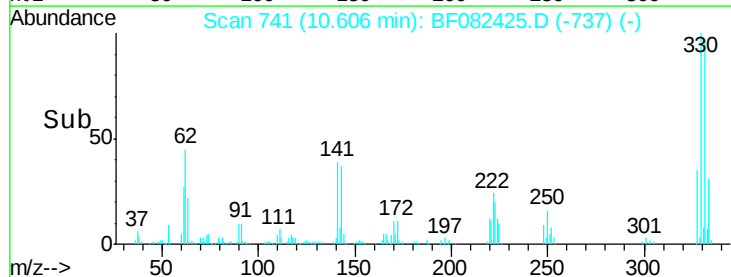
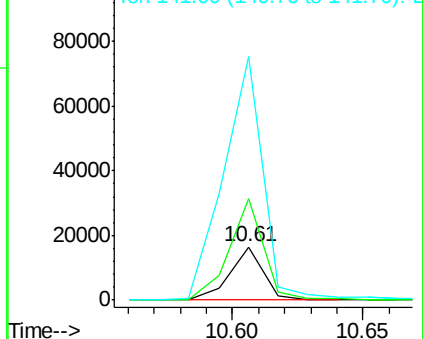


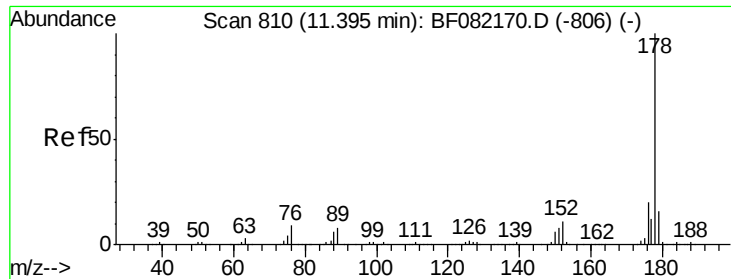
#66
4-Bromophenyl-phenylether
Concen: 4.61 ng
RT: 10.61 min Scan# 741
Delta R.T. -0.25 min
Lab File: BF082425.D
Acq: 22 Oct 2015 2:12

Tgt Ion:248 Resp: 14706
Ion Ratio Lower Upper
248 100
250 191.7 78.6 117.8#
141 457.6 63.3 94.9#



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

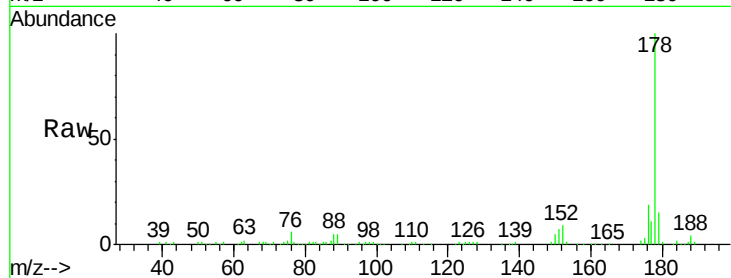




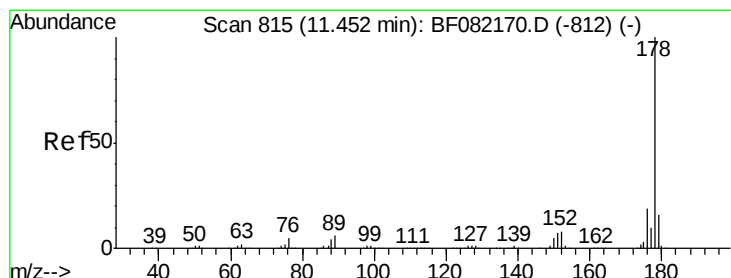
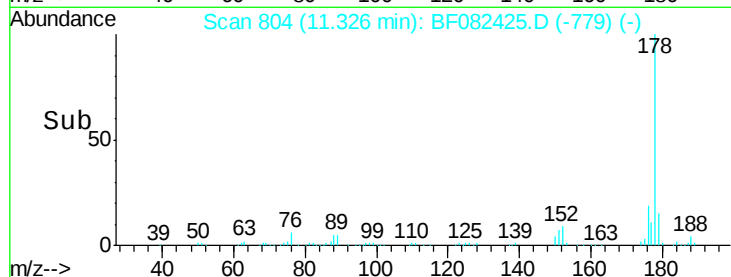
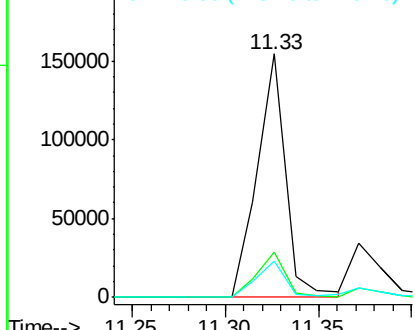
#70
Phenanthrene
Concen: 10.39 ng
RT: 11.33 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF082425.D
Acq: 22 Oct 2015 2:12

Instrument :
BNA_F
ClientSampleId :
NB3-01(0-2)

Tot Ion:178 Resp: 162149
Ion Ratio Lower Upper
178 100
176 18.6 16.0 24.0
179 14.9 12.6 19.0

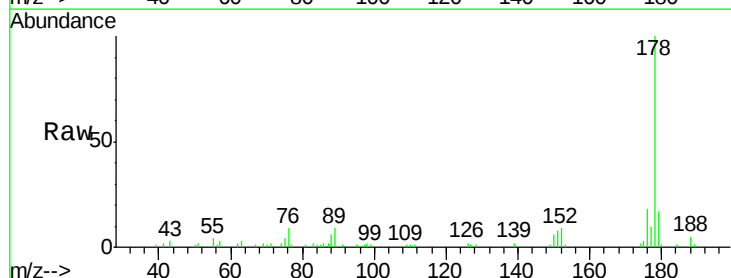


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

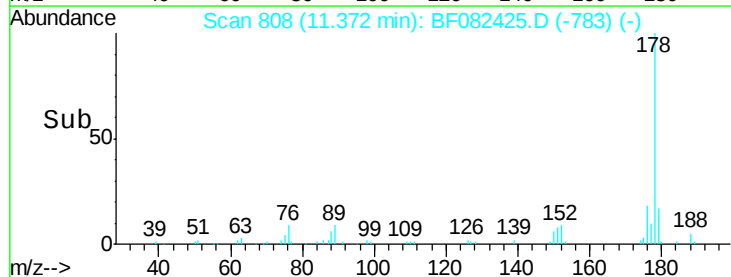
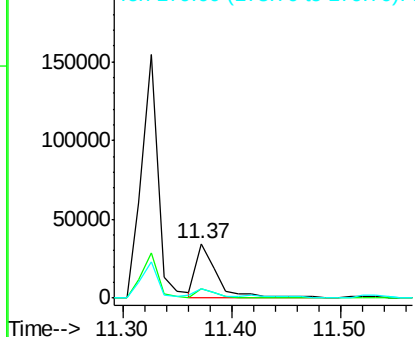


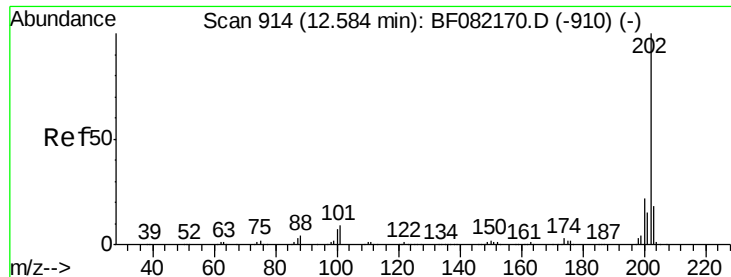
#71
Anthracene
Concen: 2.79 ng
RT: 11.37 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF082425.D
Acq: 22 Oct 2015 2:12

Tgt Ion:178 Resp: 44961
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.0
179 16.8 12.5 18.7



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: 12.73 ng

RT: 12.51 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF082425.D

Acq: 22 Oct 2015 2:12

Instrument :

BNA_F

ClientSampleId :

NB3-01(0-2)

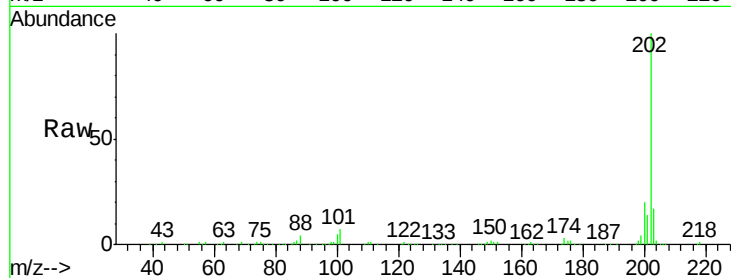
Tot Ion:202 Resp: 213483

Ion Ratio Lower Upper

202 100

101 7.4 0.0 29.3

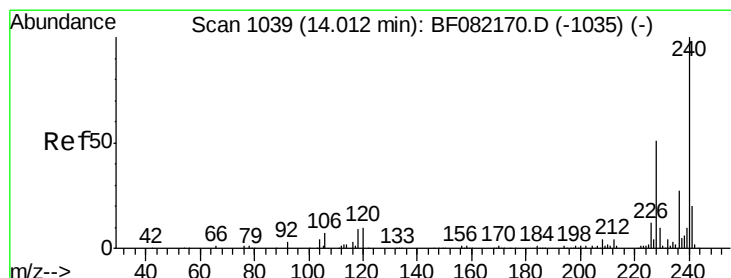
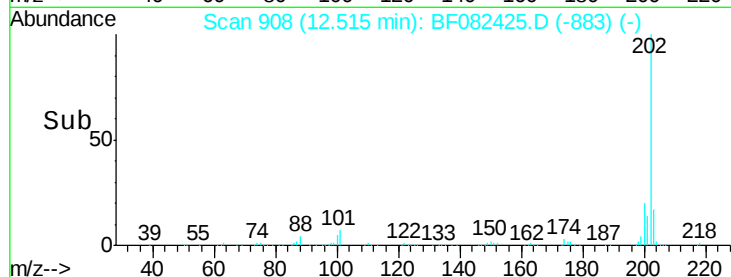
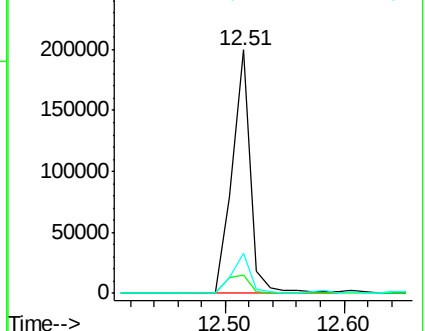
203 16.5 0.0 37.8



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: 13.96 min Scan# 1034

Delta R.T. -0.06 min

Lab File: BF082425.D

Acq: 22 Oct 2015 2:12

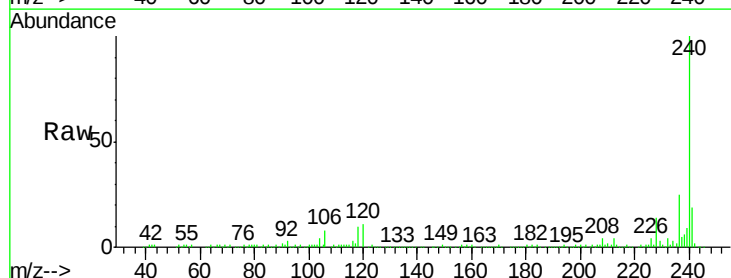
Tgt Ion:240 Resp: 223124

Ion Ratio Lower Upper

240 100

120 10.7 8.1 12.1

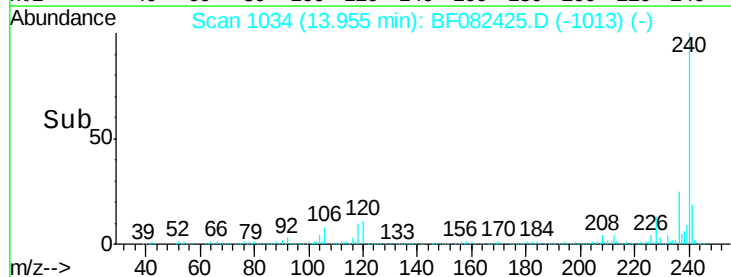
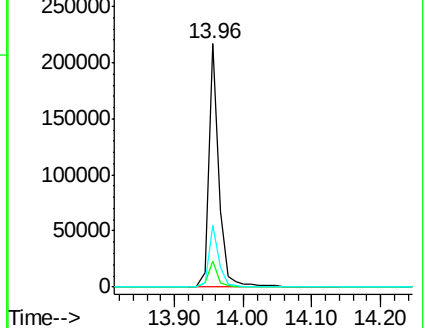
236 25.2 21.3 31.9

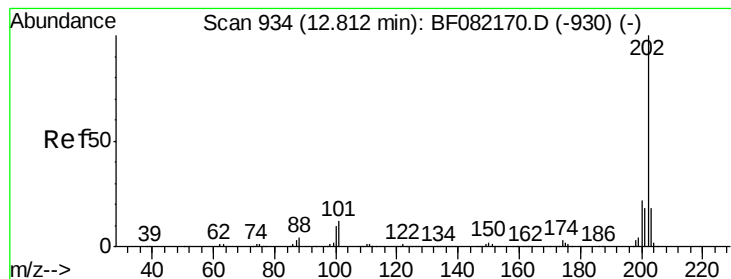


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 13.20 ng

RT: 12.74 min Scan# 928

Delta R.T. -0.01 min

Lab File: BF082425.D

Acq: 22 Oct 2015 2:12

Instrument :

BNA_F

ClientSampleId :

NB3-01(0-2)

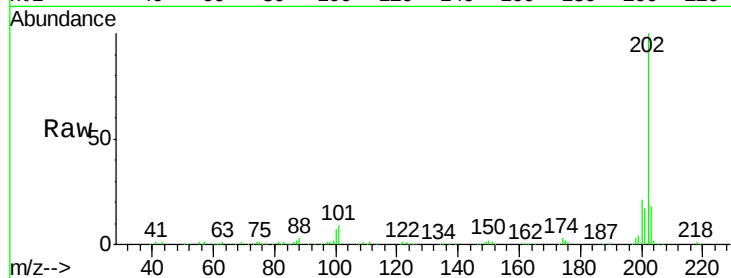
Tot Ion:202 Resp: 174825

Ion Ratio Lower Upper

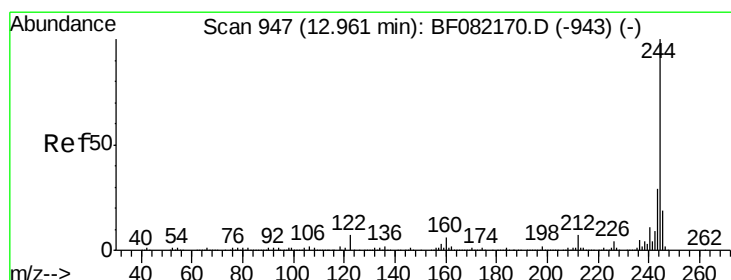
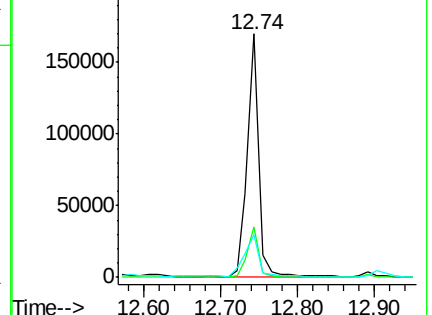
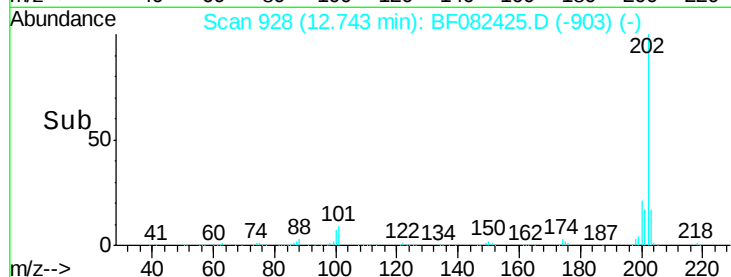
202 100

200 20.8 17.9 26.9

203 17.6 14.5 21.7



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: 102.00 ng

RT: 12.89 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF082425.D

Acq: 22 Oct 2015 2:12

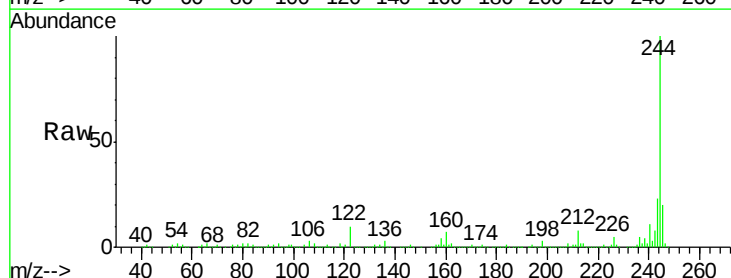
Tgt Ion:244 Resp: 858825

Ion Ratio Lower Upper

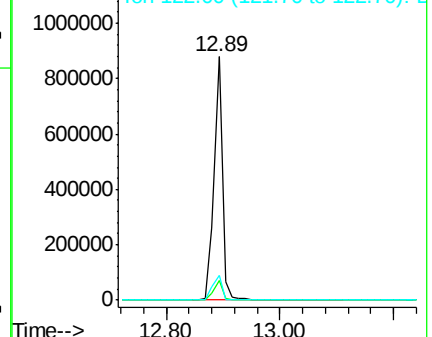
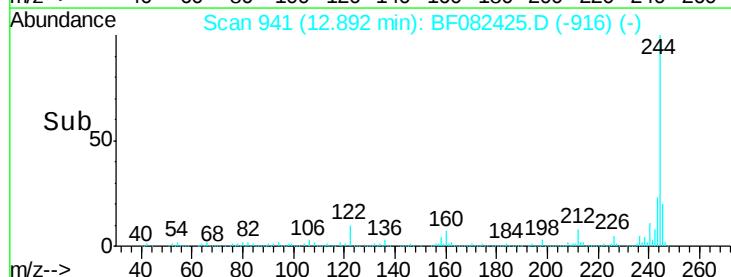
244 100

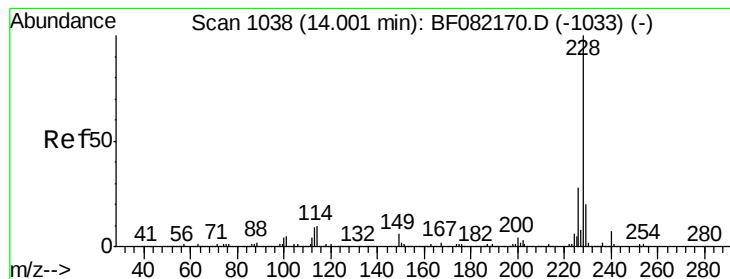
212 8.0 5.8 8.6

122 10.0 5.9 8.9#



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: 6.59 ng

RT: 13.94 min Scan# 1033

Delta R.T. -0.05 min

Lab File: BF082425.D

Acq: 22 Oct 2015 2:12

Instrument :

BNA_F

ClientSampleId :

NB3-01(0-2)

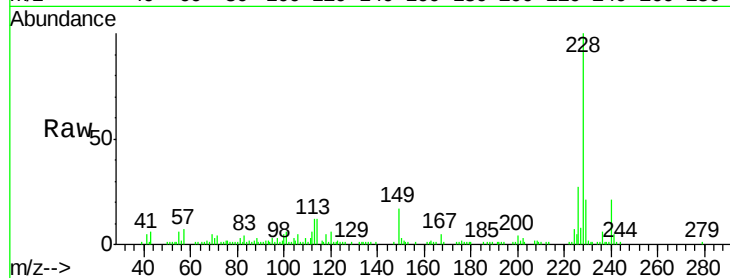
Tot Ion:228 Resp: 76469

Ion Ratio Lower Upper

228 100

226 27.5 22.3 33.5

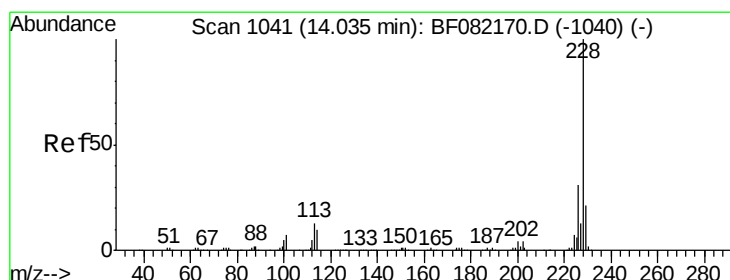
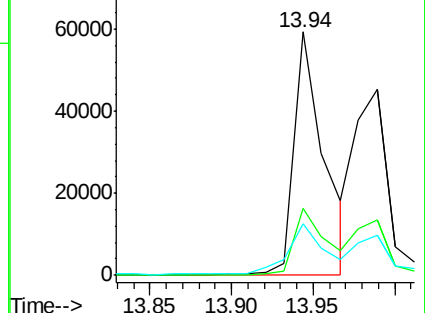
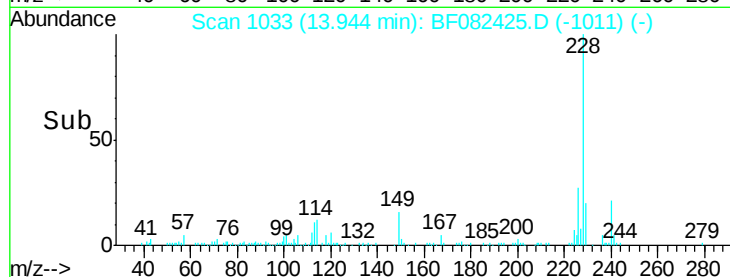
229 21.0 16.2 24.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 5.48 ng

RT: 13.99 min Scan# 1037

Delta R.T. -0.05 min

Lab File: BF082425.D

Acq: 22 Oct 2015 2:12

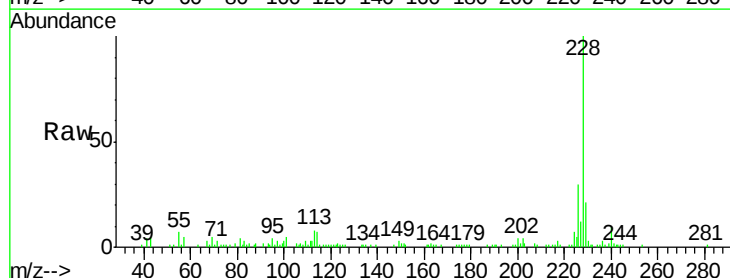
Tgt Ion:228 Resp: 67047

Ion Ratio Lower Upper

228 100

226 29.8 24.4 36.6

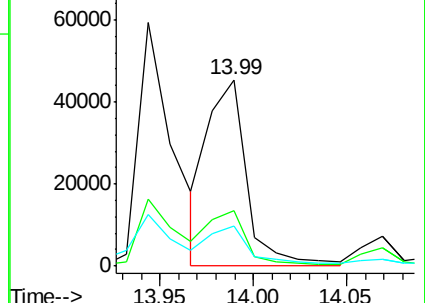
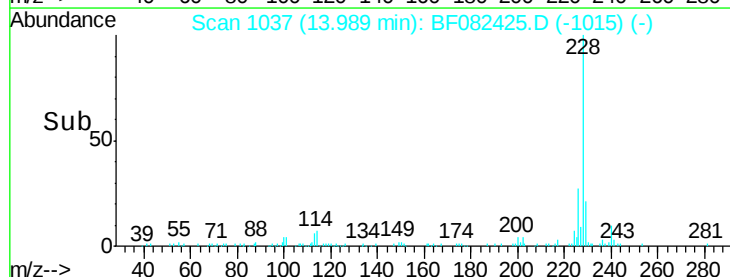
229 21.4 16.3 24.5

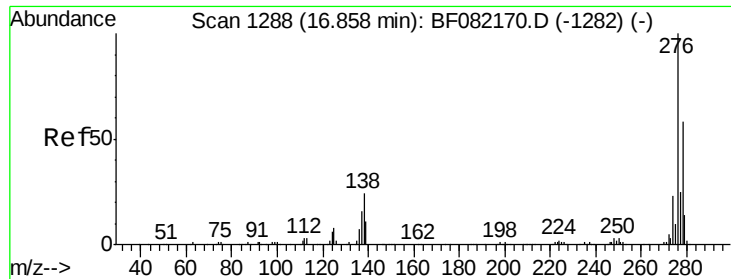


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

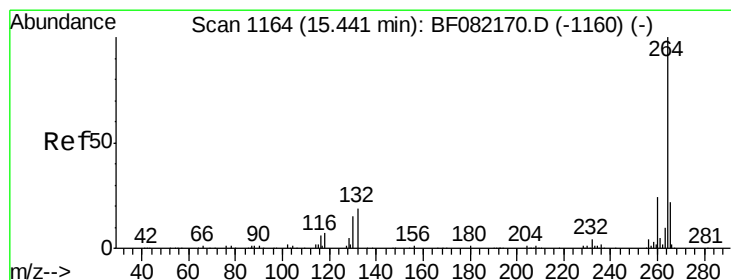
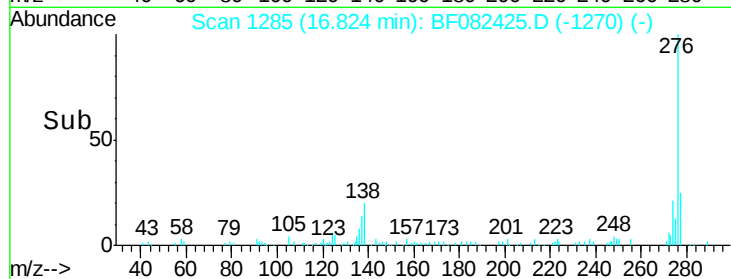
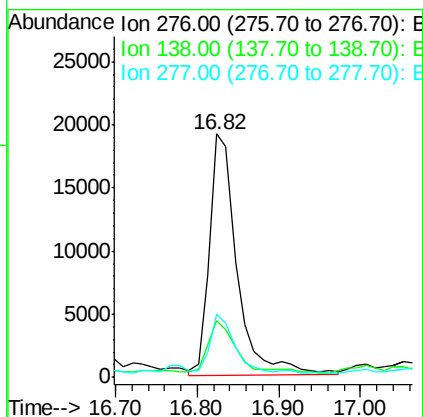
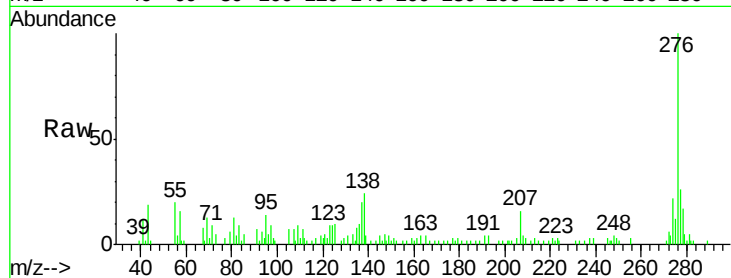




#85
Indeno(1,2,3-cd)pyrene
Concen: 4.67 ng
RT: 16.82 min Scan# 1285
Delta R.T. -0.13 min
Lab File: BF082425.D
Acq: 22 Oct 2015 2:12

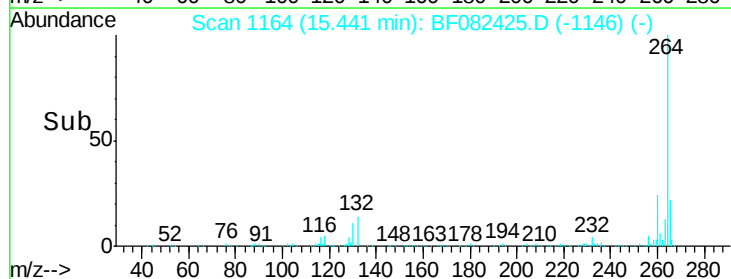
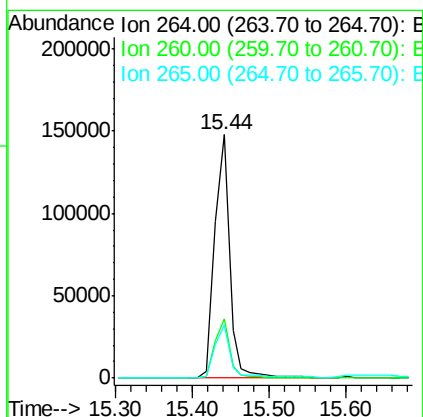
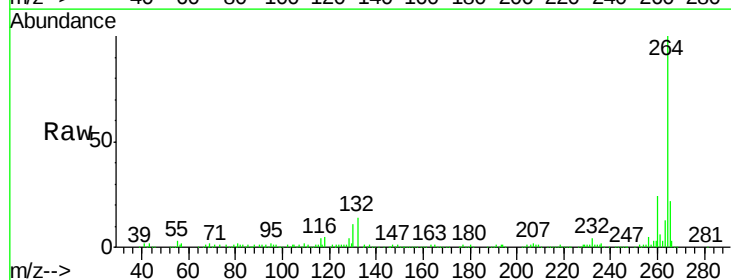
Instrument :
BNA_F
ClientSampleId :
NB3-01(0-2)

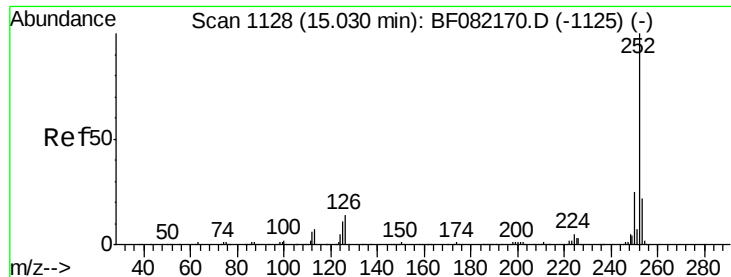
Tot Ion:276 Resp: 45408
Ion Ratio Lower Upper
276 100
138 19.6 19.7 29.5#
277 20.6 20.1 30.1



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1164
Delta R.T. -0.09 min
Lab File: BF082425.D
Acq: 22 Oct 2015 2:12

Tgt Ion:264 Resp: 203377
Ion Ratio Lower Upper
264 100
260 24.2 19.0 28.6
265 22.0 17.3 25.9





#87

Benzo(b)fluoranthene

Concen: 9.68 ng

RT: 15.03 min Scan# 1128

Delta R.T. -0.10 min

Lab File: BF082425.D

Acq: 22 Oct 2015 2:12

Instrument :

BNA_F

ClientSampleId :

NB3-01(0-2)

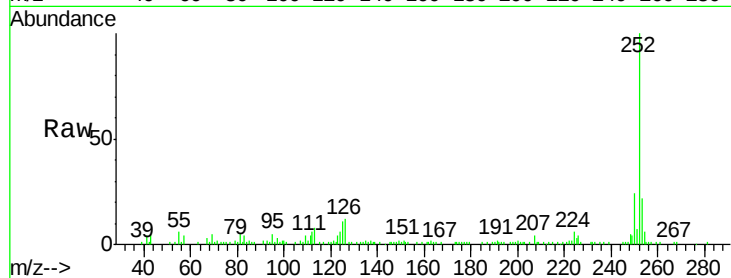
Tot Ion:252 Resp: 119736

Ion Ratio Lower Upper

252 100

253 22.4 18.0 27.0

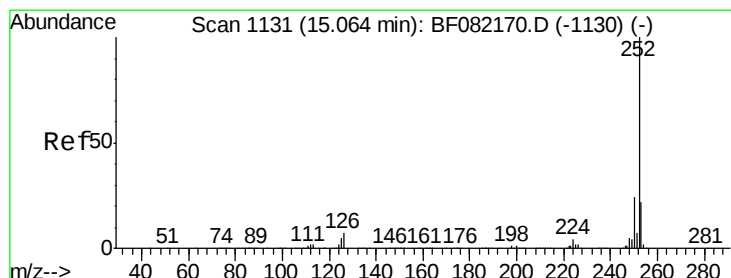
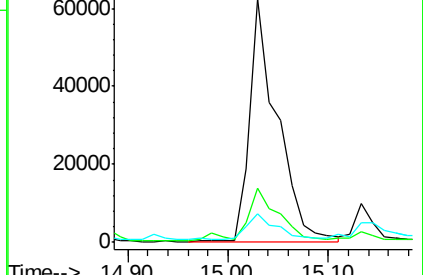
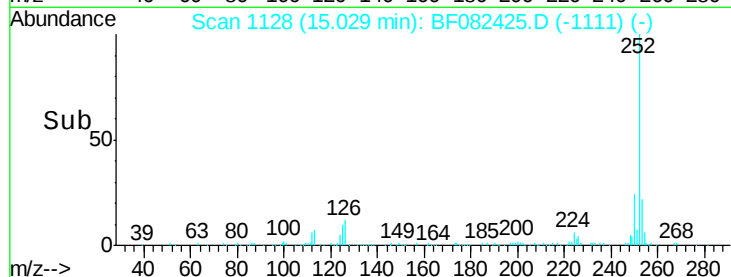
125 11.5 8.6 12.8



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: 11.51 ng

RT: 15.03 min Scan# 1128

Delta R.T. -0.13 min

Lab File: BF082425.D

Acq: 22 Oct 2015 2:12

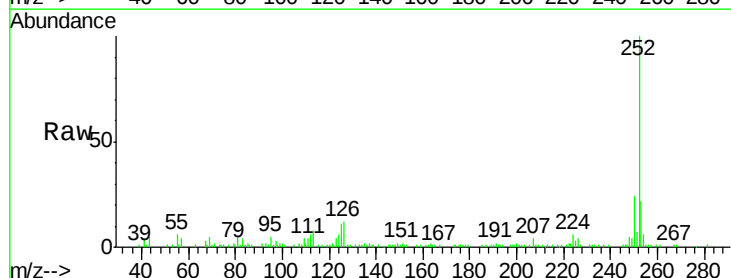
Tgt Ion:252 Resp: 119736

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.6

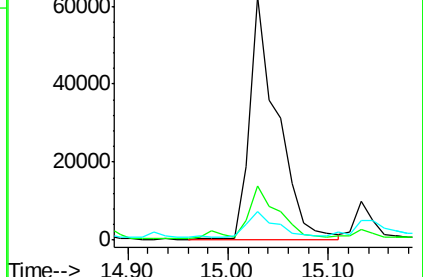
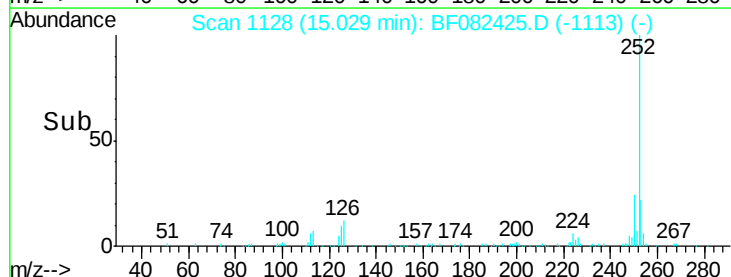
125 11.5 6.7 10.1#

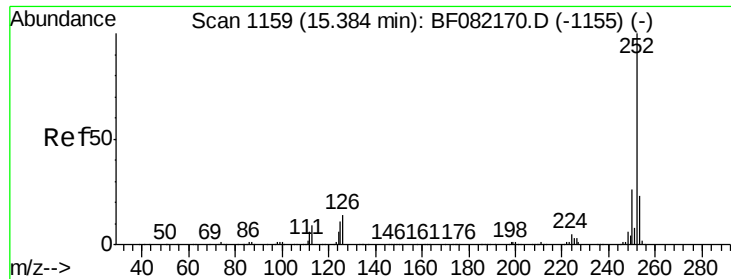


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 5.43 ng

RT: 15.37 min Scan# 1158

Delta R.T. -0.10 min

Lab File: BF082425.D

Acq: 22 Oct 2015 2:12

Instrument :

BNA_F

ClientSampleId :

NB3-01(0-2)

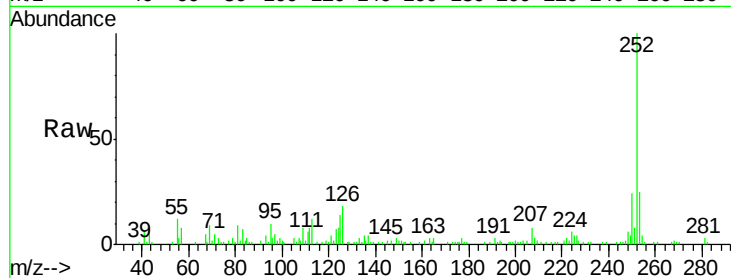
Tot Ion:252 Resp: 57745

Ion Ratio Lower Upper

252 100

253 25.0 18.2 27.2

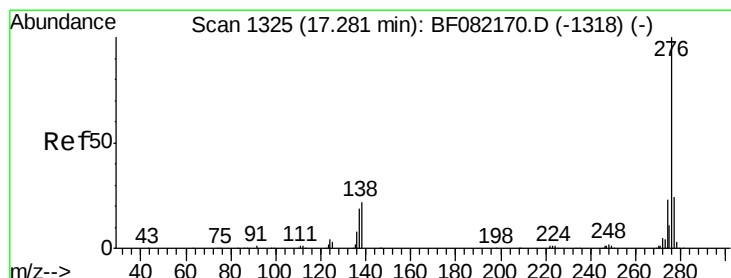
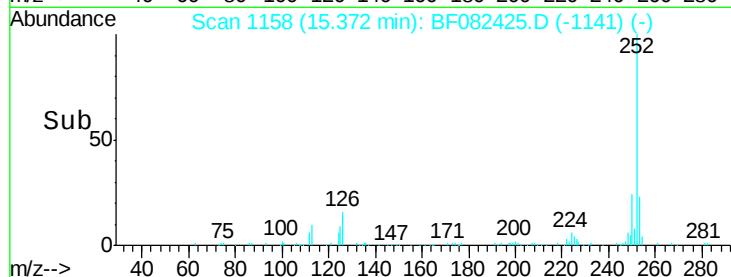
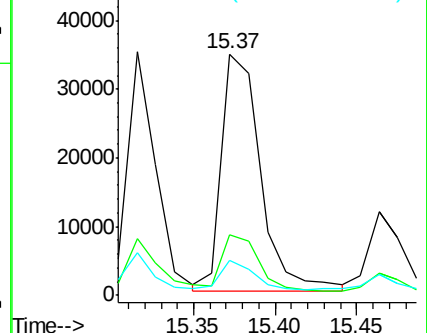
125 14.4 8.9 13.3#



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: 5.20 ng

RT: 17.25 min Scan# 1322

Delta R.T. -0.11 min

Lab File: BF082425.D

Acq: 22 Oct 2015 2:12

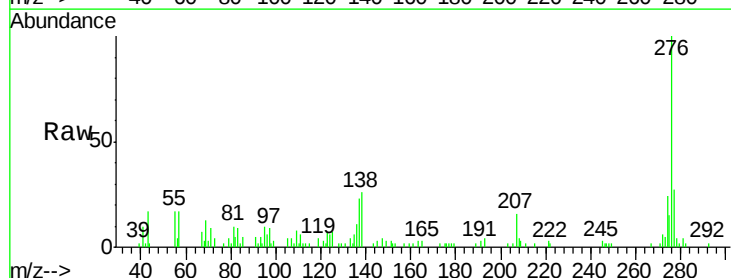
Tgt Ion:276 Resp: 44051

Ion Ratio Lower Upper

276 100

277 26.6 18.8 28.2

138 26.3 17.4 26.2#



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

