

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061016\
 Data File : BF087879.D
 Acq On : 10 Jun 2016 17:25
 Operator : UM/SJ
 Sample : H3426-12 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-57

Quant Time: Jun 10 17:49:49 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 18:51:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	185950	20.00	ng	0.13
21) Naphthalene-d8	8.10	136	499052	20.00	ng	-0.02
38) Acenaphthene-d10	9.85	164	215523	20.00	ng	-0.03
63) Phenanthrene-d10	11.32	188	292311	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	274805	20.00	ng	-0.03
86) Perylene-d12	15.36	264	226053	20.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	374610	34.44	ng	-0.02
7) Phenol-d6	6.44	99	515733	39.12	ng	-0.03
23) Nitrobenzene-d5	7.37	82	254606	29.79	ng	-0.05
41) 2,4,6-Tribromophenol	10.63	330	79651	35.00	ng	-0.05
44) 2-Fluorobiphenyl	9.18	172	503457	33.33	ng	-0.03
78) Terphenyl-d14	12.90	244	274319	22.72	ng	-0.05

Target Compounds

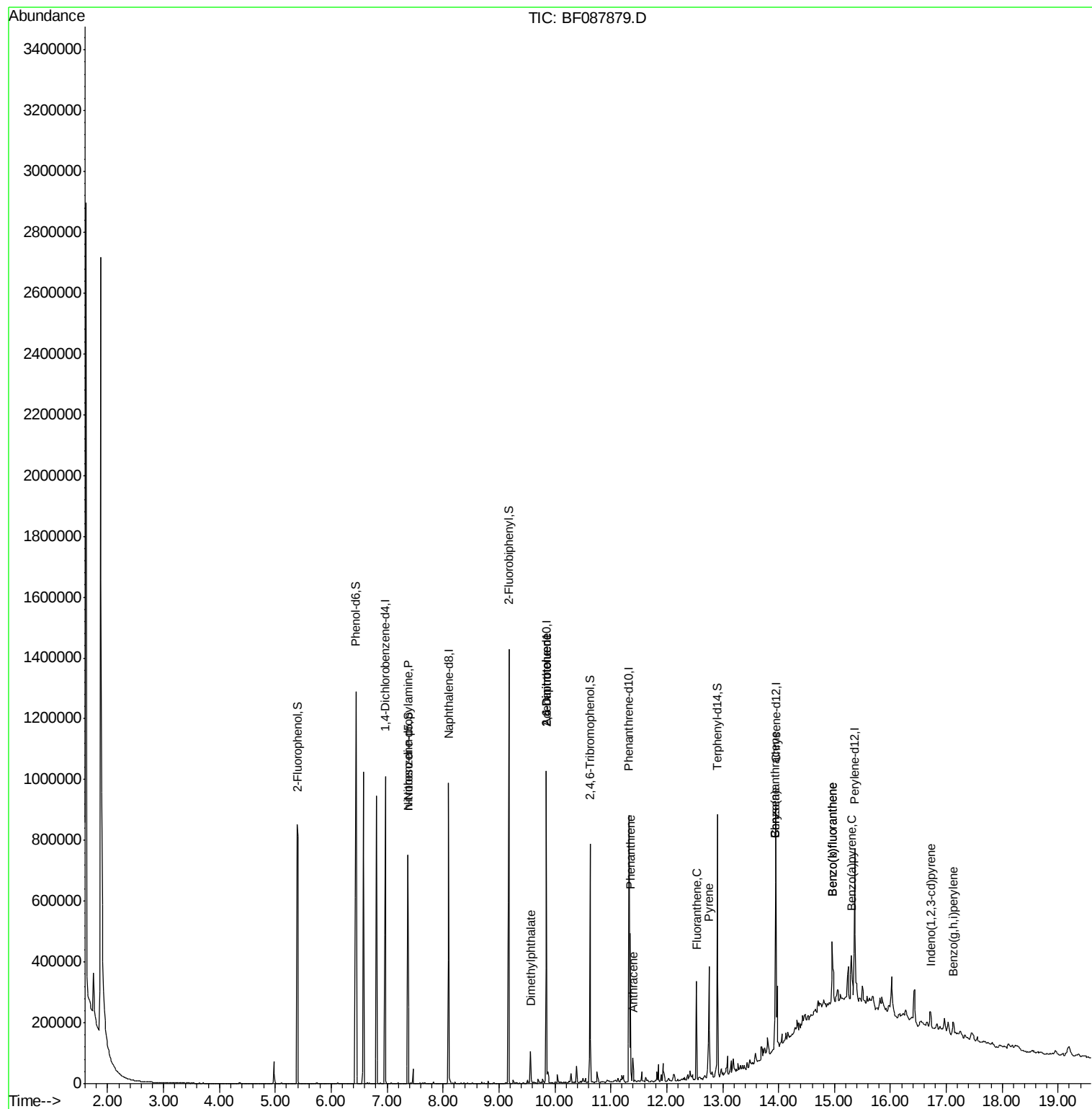
						Qvalue
10) Phenol	6.46	94	3491	Below Cal		97
19) n-Nitroso-di-n-propylamine	7.37	70	32192	3.82 ng	#	76
45) 1,1'-Biphenyl	9.27	154	1276	Below Cal		89
49) Dimethylphthalate	9.56	163	37973	2.43 ng		100
50) 2,6-Dinitrotoluene	9.85	165	27589	7.72 ng	#	39
56) 2,4-Dinitrotoluene	9.85	165	27584	6.00 ng	#	38
57) Fluorene	10.39	166	13764	Below Cal		99
70) Phenanthrene	11.35	178	164284	10.71 ng		98
71) Anthracene	11.39	178	37710	2.44 ng		97
74) Fluoranthene	12.54	202	183092	11.31 ng		92
77) Pyrene	12.75	202	163092	8.00 ng		98
80) Benzo(a)anthracene	13.94	228	111519	7.12 ng		98
82) Chrysene	13.94	228	111519	7.57 ng		97
85) Indeno(1,2,3-cd)pyrene	16.72	276	35689	2.61 ng	#	100
87) Benzo(b)fluoranthene	14.96	252	134058	8.51 ng	#	93
88) Benzo(k)fluoranthene	14.96	252	134058	11.28 ng		98
89) Benzo(a)pyrene	15.30	252	68050	5.34 ng		97
91) Benzo(g,h,i)perylene	17.12	276	32538	2.67 ng		93

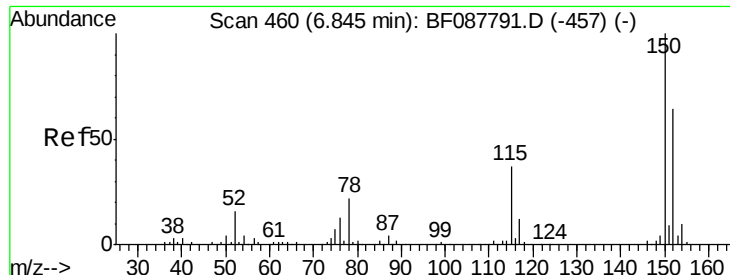
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.97 min Scan# 471

Delta R.T. 0.13 min

Lab File: BF087879.D

Acq: 10 Jun 2016 17:25

Instrument :

BNA_F

ClientSampleId :

SS-57

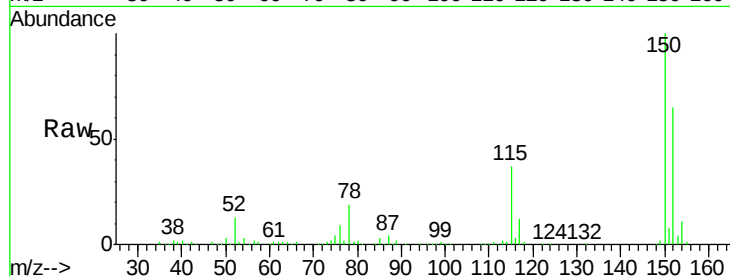
Tgt Ion:152 Resp: 185950

Ion Ratio Lower Upper

152 100

150 153.1 123.8 185.6

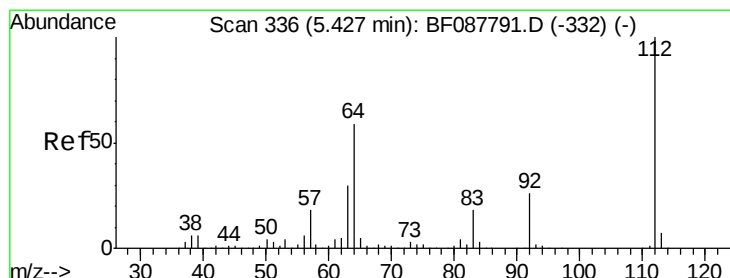
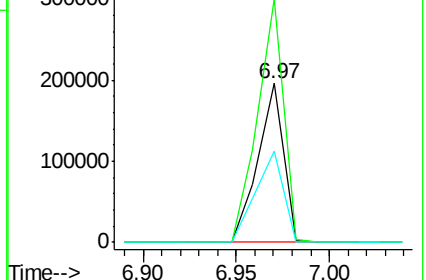
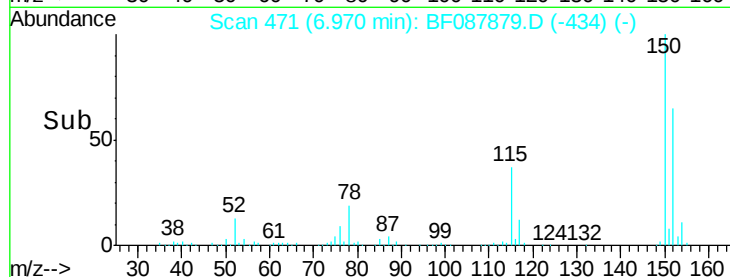
115 57.1 39.6 59.4



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



#5

2-Fluorophenol

Concen: 34.44 ng

RT: 5.40 min Scan# 334

Delta R.T. -0.02 min

Lab File: BF087879.D

Acq: 10 Jun 2016 17:25

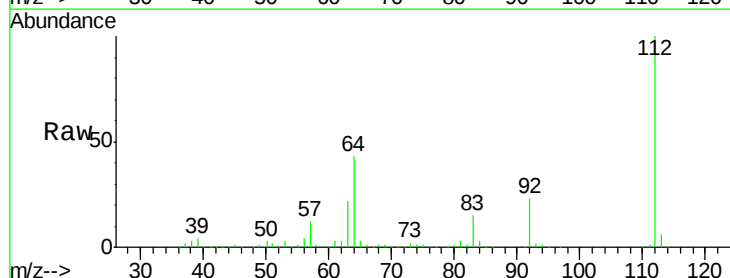
Tgt Ion:112 Resp: 374610

Ion Ratio Lower Upper

112 100

64 43.0 42.2 63.2

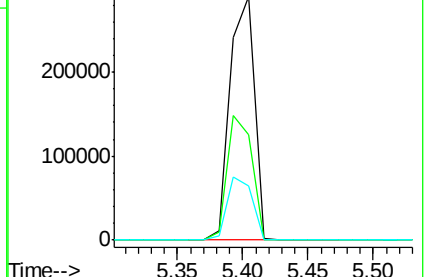
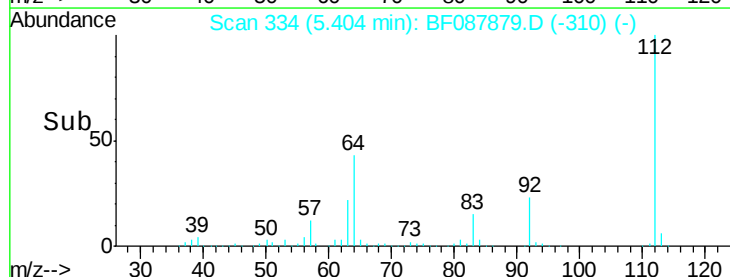
63 22.1 21.8 32.8



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: 39.12 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.03 min

Lab File: BF087879.D

Acq: 10 Jun 2016 17:25

Instrument :

BNA_F

ClientSampleId :

SS-57

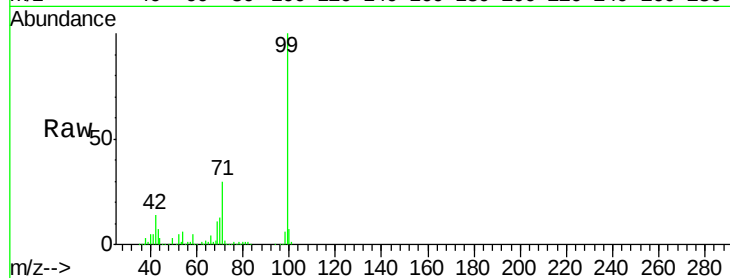
Tgt Ion: 99 Resp: 515733

Ion Ratio Lower Upper

99 100

42 14.4 12.2 18.2

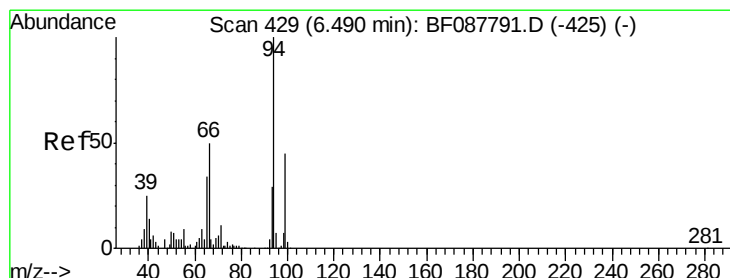
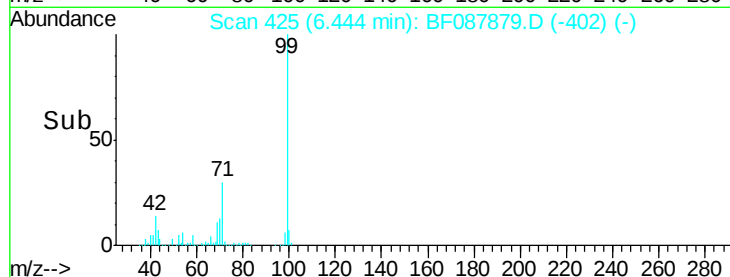
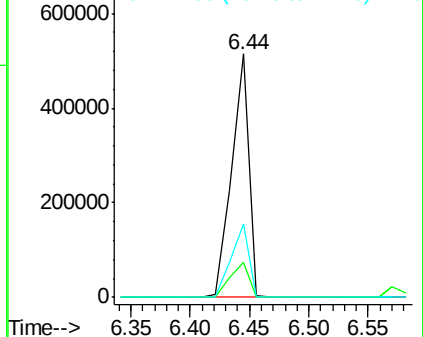
71 30.3 23.4 35.0



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: Below Cal

RT: 6.46 min Scan# 426

Delta R.T. -0.03 min

Lab File: BF087879.D

Acq: 10 Jun 2016 17:25

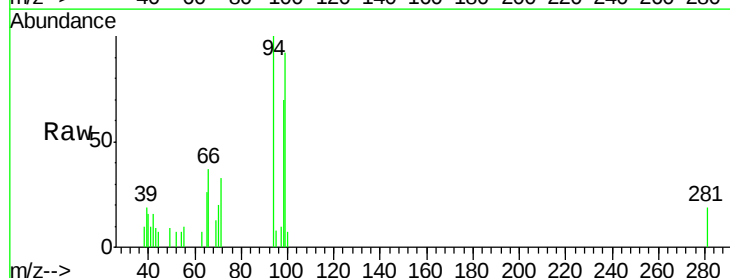
Tgt Ion: 94 Resp: 3491

Ion Ratio Lower Upper

94 100

65 26.2 5.9 45.9

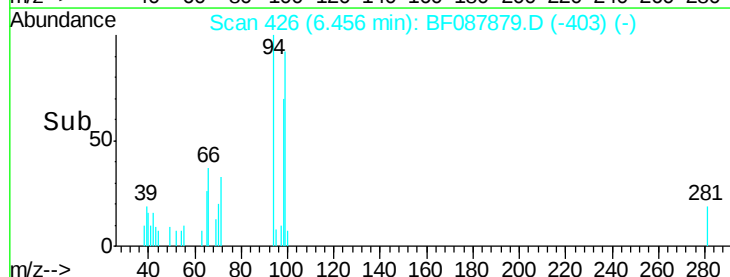
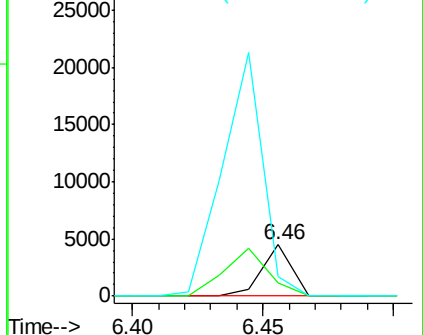
66 36.9 14.0 54.0

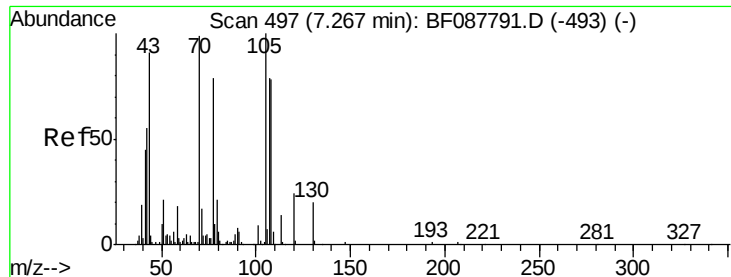


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

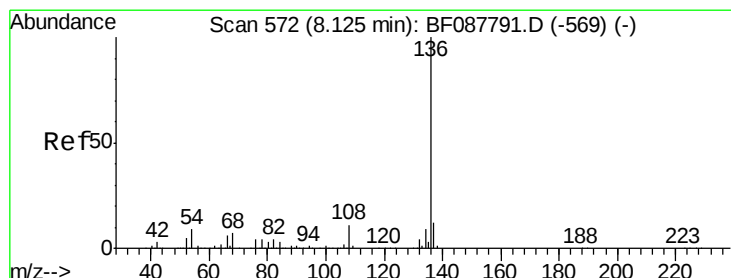
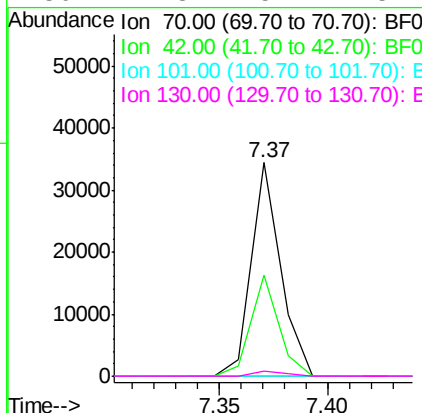
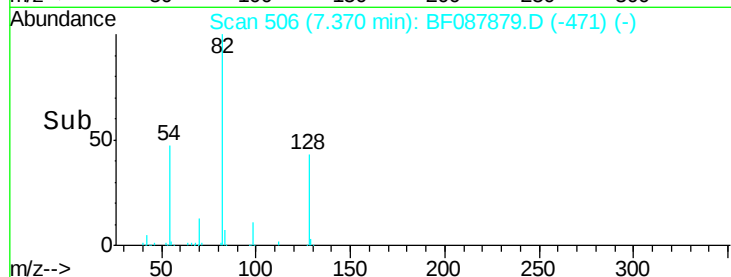
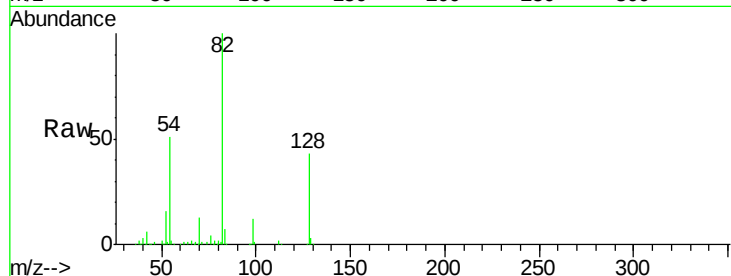




#19
n-Nitroso-di-n-propylamine
Concen: 3.82 ng
RT: 7.37 min Scan# 506
Delta R.T. 0.10 min
Lab File: BF087879.D
Acq: 10 Jun 2016 17:25

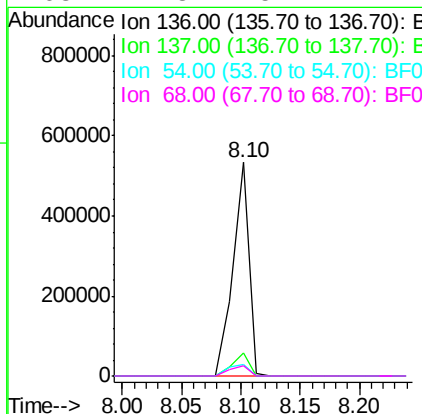
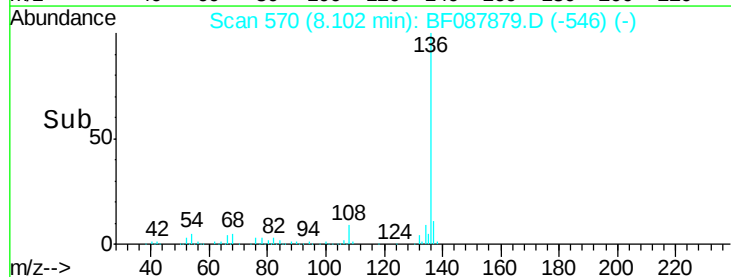
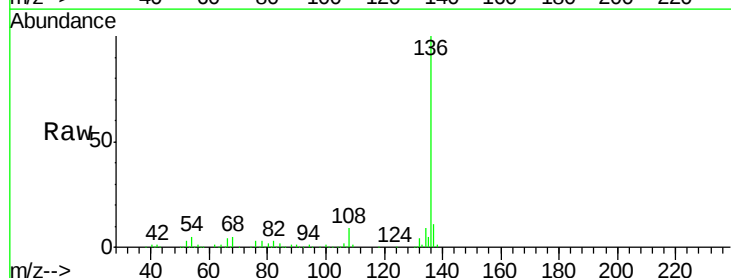
Instrument :
BNA_F
ClientSampled :
SS-57

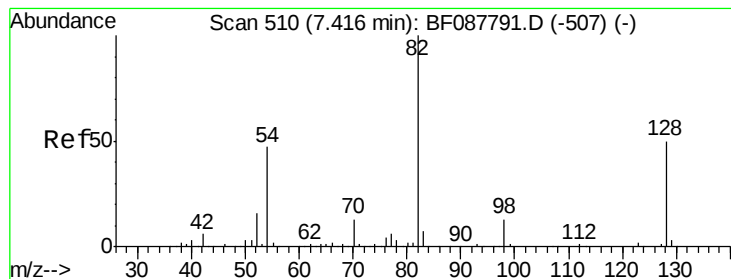
Tgt Ion: 70 Resp: 32192
Ion Ratio Lower Upper
70 100
42 47.3 49.6 74.4#
101 0.0 7.1 10.7#
130 2.3 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 570
Delta R.T. -0.02 min
Lab File: BF087879.D
Acq: 10 Jun 2016 17:25

Tgt Ion: 136 Resp: 499052
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 5.5 6.6 10.0#
68 4.8 5.1 7.7#





#23

Nitrobenzene-d5

Concen: 29.79 ng

RT: 7.37 min Scan# 506

Delta R.T. -0.05 min

Lab File: BF087879.D

Acq: 10 Jun 2016 17:25

Instrument :

BNA_F

ClientSampleId :

SS-57

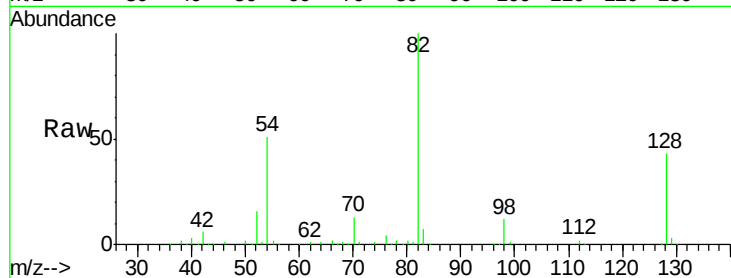
Tgt Ion: 82 Resp: 254606

Ion Ratio Lower Upper

82 100

128 43.1 35.9 53.9

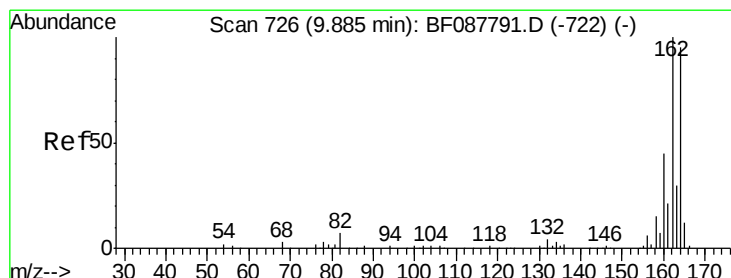
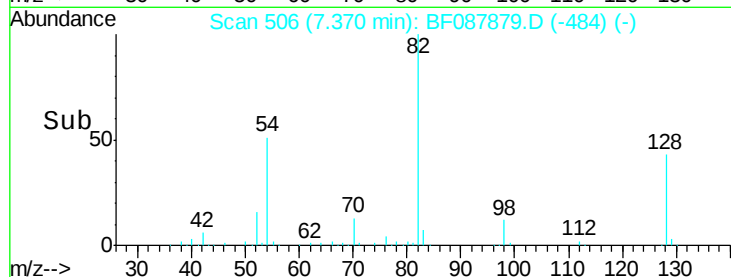
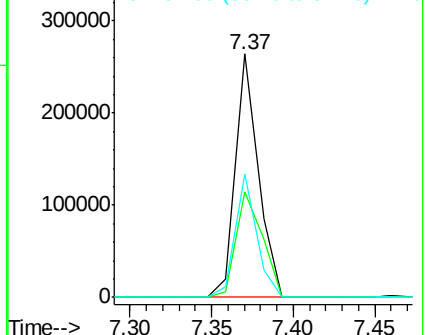
54 50.7 40.9 61.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 723

Delta R.T. -0.03 min

Lab File: BF087879.D

Acq: 10 Jun 2016 17:25

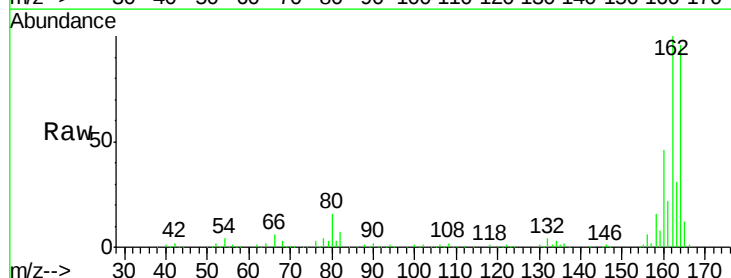
Tgt Ion: 164 Resp: 215523

Ion Ratio Lower Upper

164 100

162 103.7 85.4 128.2

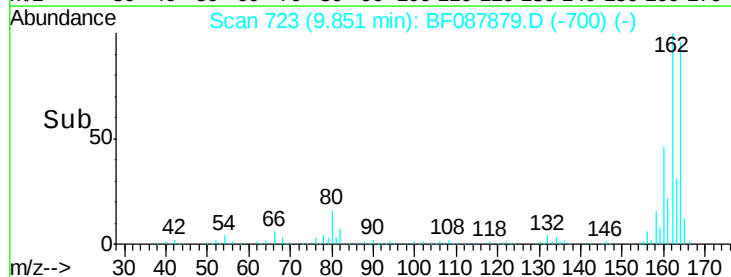
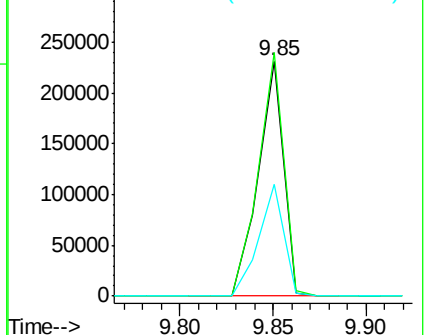
160 47.8 39.5 59.3

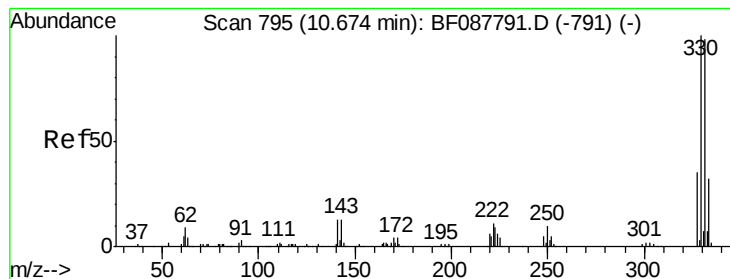


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

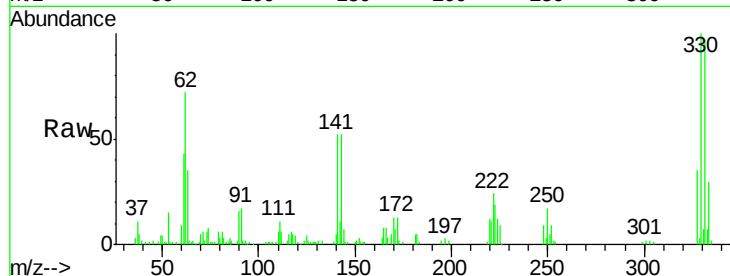




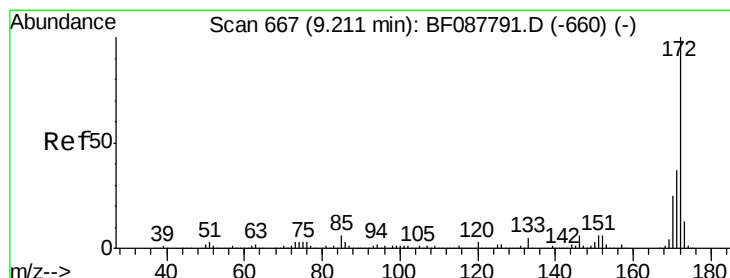
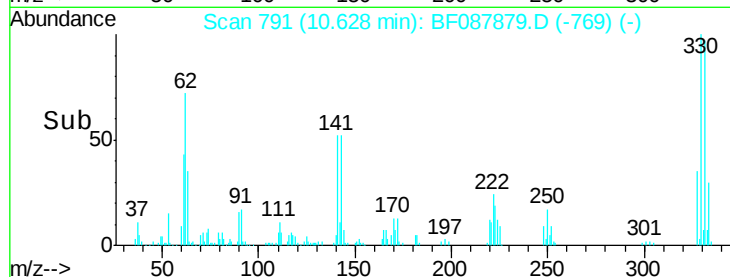
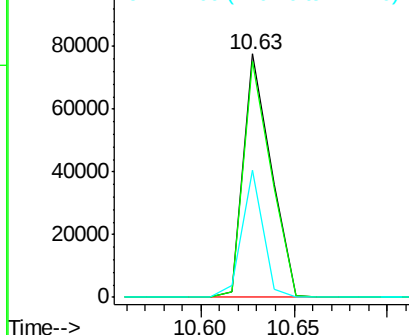
#41
 2,4,6-Tribromophenol
 Concen: 35.00 ng
 RT: 10.63 min Scan# 791
 Delta R.T. -0.05 min
 Lab File: BF087879.D
 Acq: 10 Jun 2016 17:25

Instrument :
 BNA_F
 ClientSampleId :
 SS-57

Tgt Ion:330 Resp: 79651
 Ion Ratio Lower Upper
 330 100
 332 96.6 0.0 0.0#
 141 40.5 0.0 0.0#

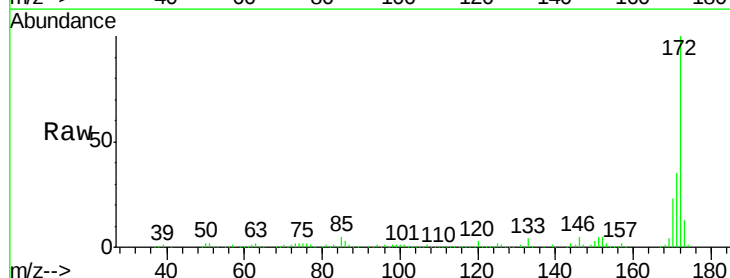


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

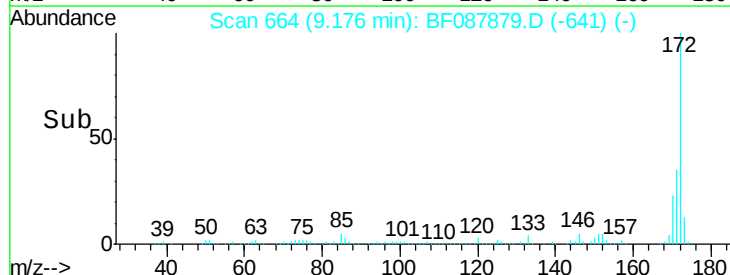
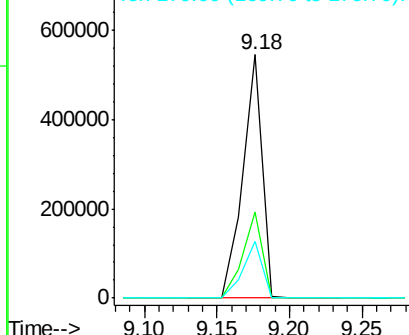


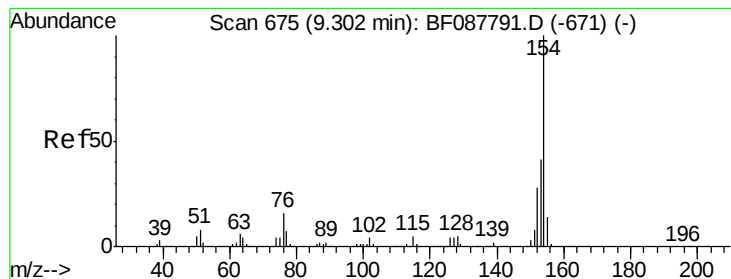
#44
 2-Fluorobiphenyl
 Concen: 33.33 ng
 RT: 9.18 min Scan# 664
 Delta R.T. -0.03 min
 Lab File: BF087879.D
 Acq: 10 Jun 2016 17:25

Tgt Ion:172 Resp: 503457
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.6 43.0
 170 23.4 19.2 28.8



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





#45

1,1'-Biphenyl

Concen: Below Cal

RT: 9.27 min Scan# 672

Delta R.T. -0.03 min

Lab File: BF087879.D

Acq: 10 Jun 2016 17:25

Instrument :

BNA_F

ClientSampleId :

SS-57

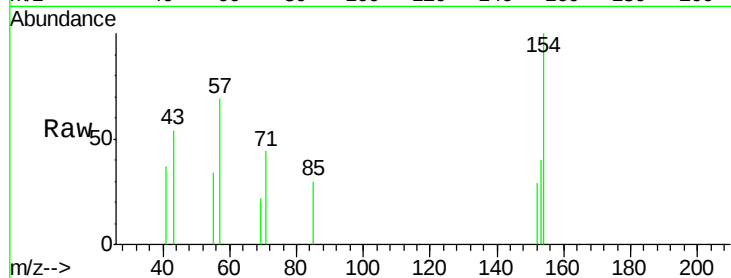
Tgt Ion:154 Resp: 1276

Ion Ratio Lower Upper

154 100

153 39.8 20.6 60.6

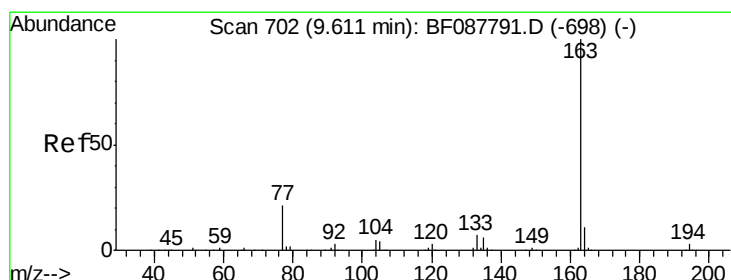
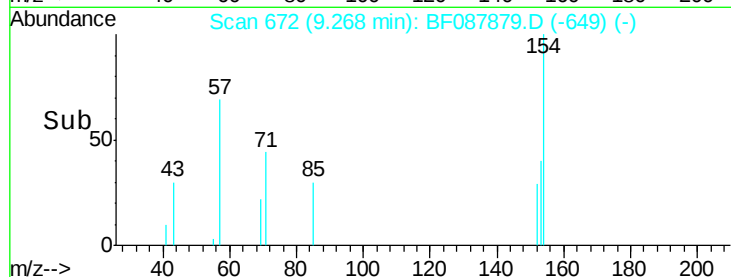
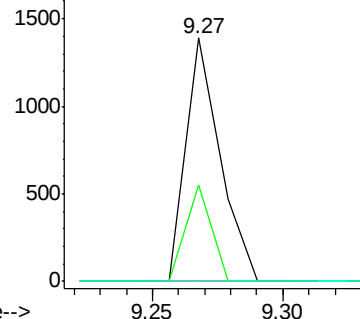
76 0.0 0.0 35.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#49

Dimethylphthalate

Concen: 2.43 ng

RT: 9.56 min Scan# 698

Delta R.T. -0.05 min

Lab File: BF087879.D

Acq: 10 Jun 2016 17:25

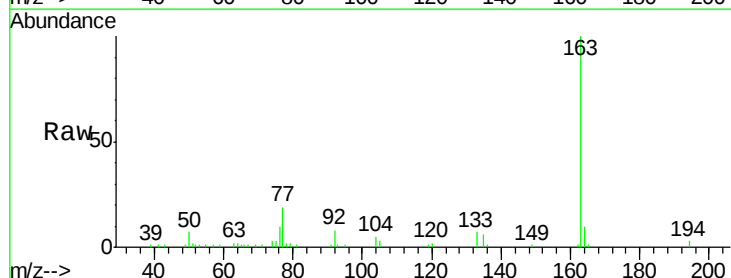
Tgt Ion:163 Resp: 37973

Ion Ratio Lower Upper

163 100

194 3.1 2.8 4.2

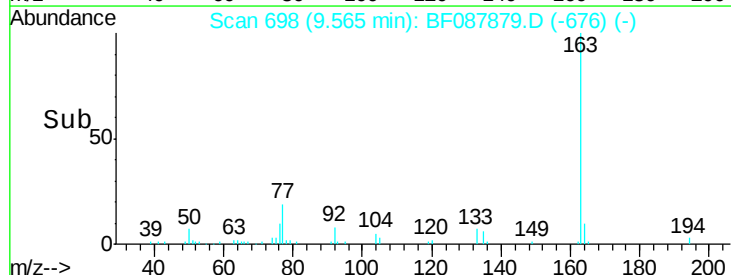
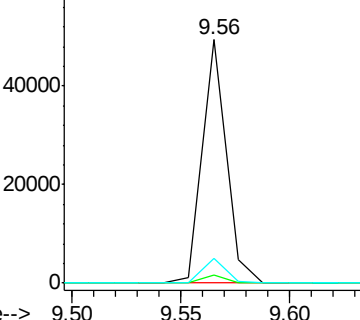
164 10.4 8.3 12.5

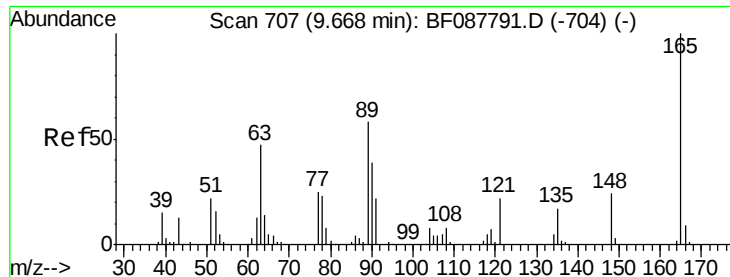


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

2,6-Dinitrotoluene

Concen: 7.72 ng

RT: 9.85 min Scan# 723

Delta R.T. 0.18 min

Lab File: BF087879.D

Acq: 10 Jun 2016 17:25

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SS-57

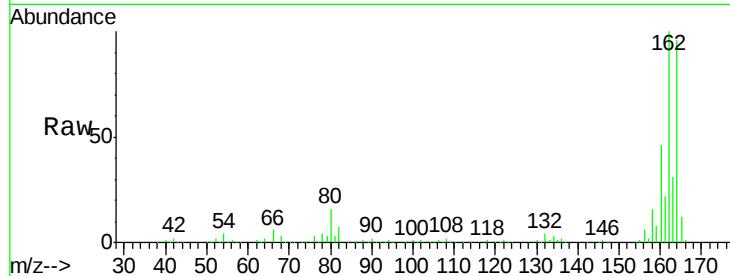
Tgt Ion:165 Resp: 27589

Ion Ratio Lower Upper

165 100

63 1.2 28.1 42.1#

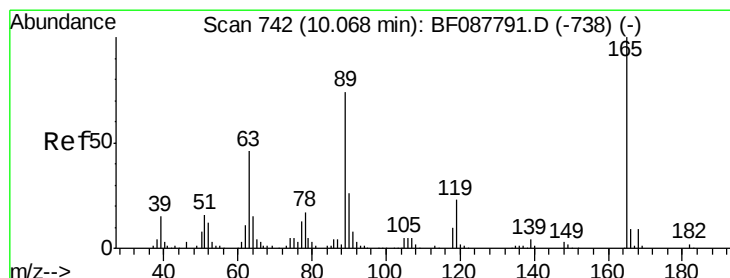
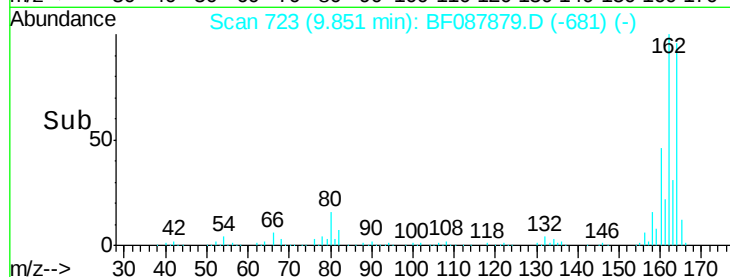
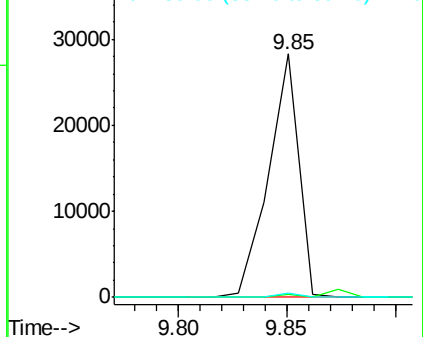
89 1.5 32.2 48.2#



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



#56

2,4-Dinitrotoluene

Concen: 6.00 ng

RT: 9.85 min Scan# 723

Delta R.T. -0.22 min

Lab File: BF087879.D

Acq: 10 Jun 2016 17:25

Tgt Ion:165 Resp: 27584

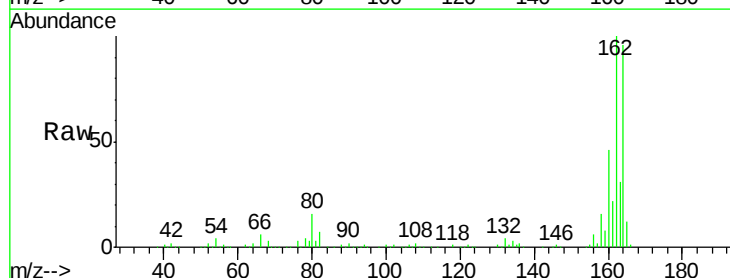
Ion Ratio Lower Upper

165 100

63 1.2 22.0 33.0#

89 1.5 41.1 61.7#

182 0.0 2.0 3.0#

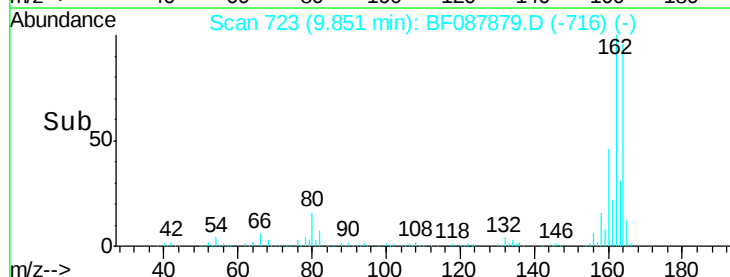
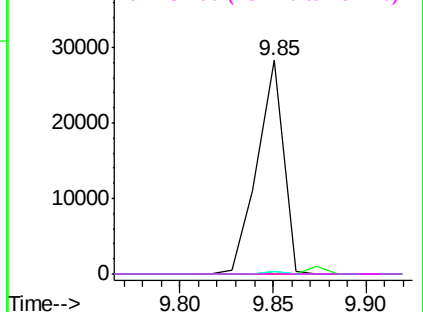


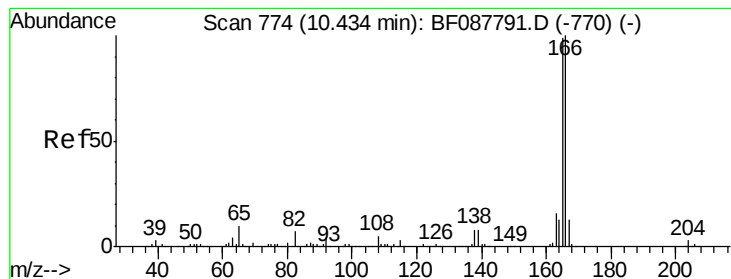
Abundance Ion 165.00 (164.70 to 165.70): E

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





#57

Fluorene

Concen: Below Cal

RT: 10.39 min Scan# 770

Delta R.T. -0.05 min

Lab File: BF087879.D

Acq: 10 Jun 2016 17:25

Instrument :

BNA_F

ClientSampleId :

SS-57

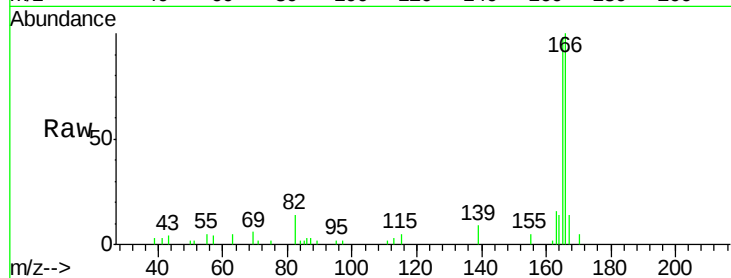
Tgt Ion:166 Resp: 13764

Ion Ratio Lower Upper

166 100

165 97.8 77.8 116.8

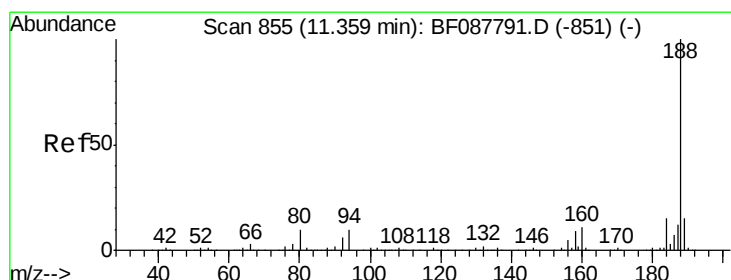
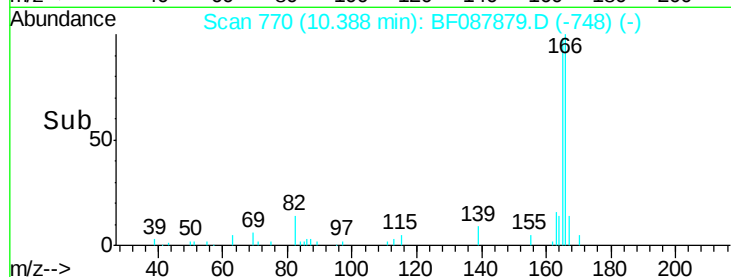
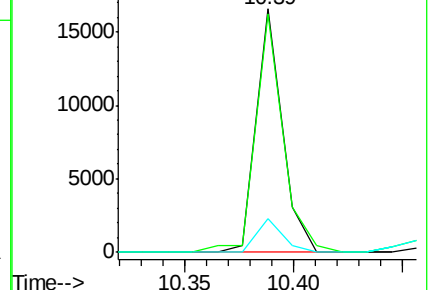
167 13.6 11.2 16.8



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 852

Delta R.T. -0.03 min

Lab File: BF087879.D

Acq: 10 Jun 2016 17:25

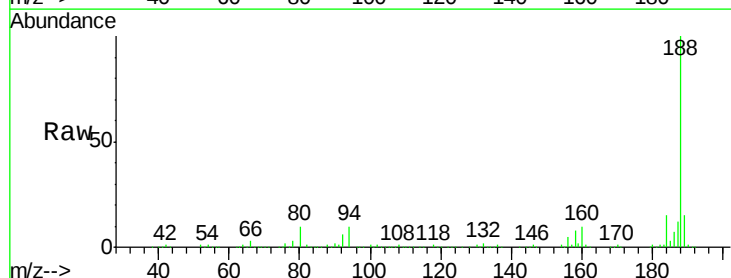
Tgt Ion:188 Resp: 292311

Ion Ratio Lower Upper

188 100

94 10.0 9.0 13.6

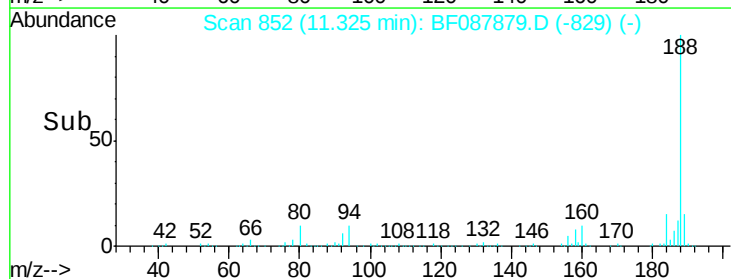
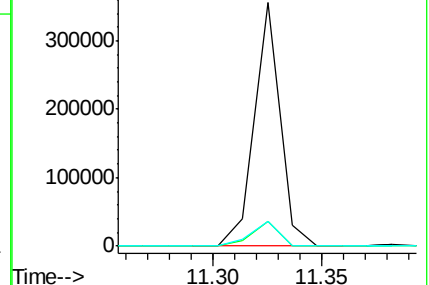
80 10.4 10.0 15.0

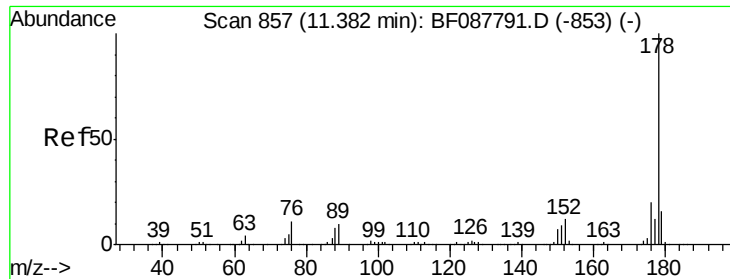


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

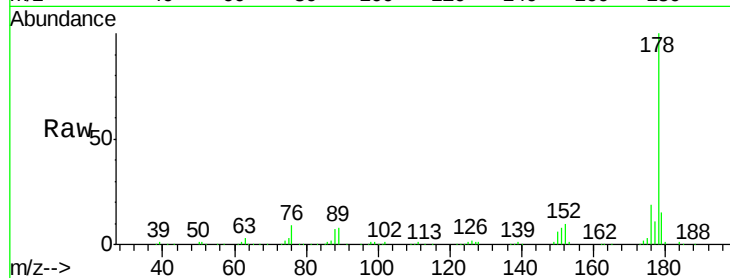




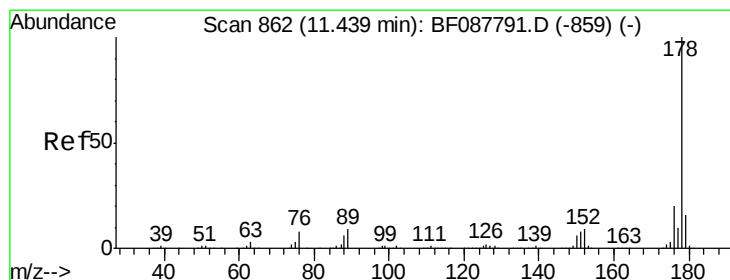
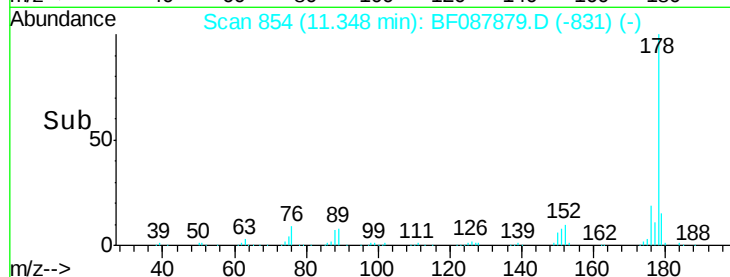
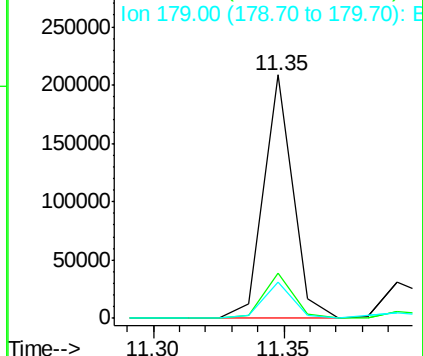
#70
Phenanthrene
Concen: 10.71 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.03 min
Lab File: BF087879.D
Acq: 10 Jun 2016 17:25

Instrument :
BNA_F
ClientSampleId :
SS-57

Tgt Ion:178 Resp: 164284
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.6
179 15.1 13.0 19.4

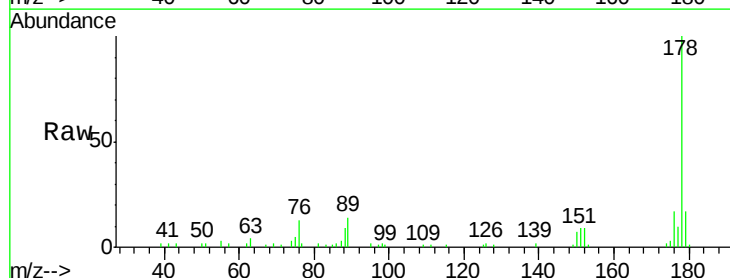


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

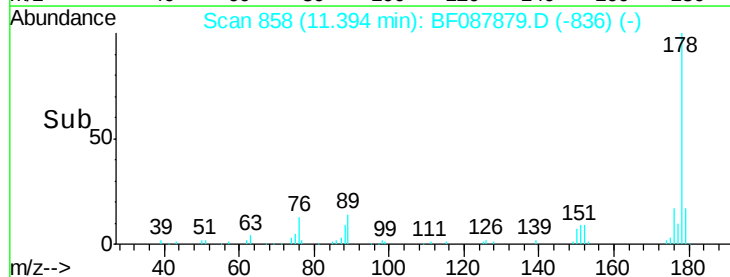
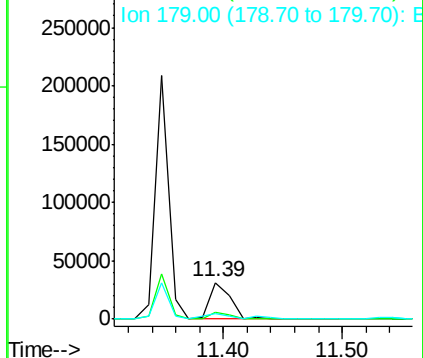


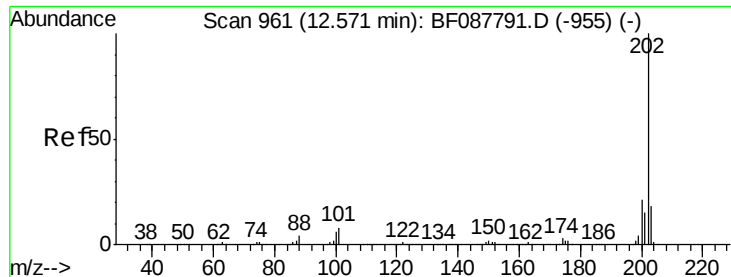
#71
Anthracene
Concen: 2.44 ng
RT: 11.39 min Scan# 858
Delta R.T. -0.05 min
Lab File: BF087879.D
Acq: 10 Jun 2016 17:25

Tgt Ion:178 Resp: 37710
Ion Ratio Lower Upper
178 100
176 17.4 15.6 23.4
179 16.5 12.8 19.2



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: 11.31 ng

RT: 12.54 min Scan# 958

Delta R.T. -0.03 min

Lab File: BF087879.D

Acq: 10 Jun 2016 17:25

Instrument :

BNA_F

ClientSampleId :

SS-57

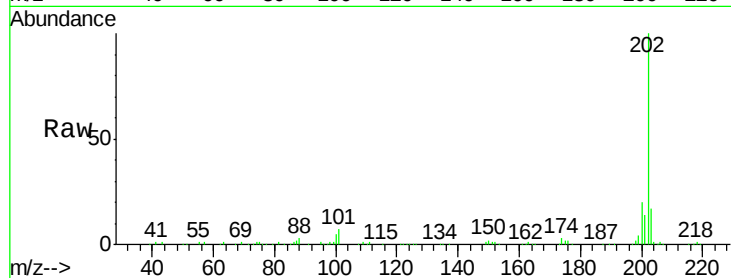
Tgt Ion:202 Resp: 183092

Ion Ratio Lower Upper

202 100

101 7.0 0.0 33.1

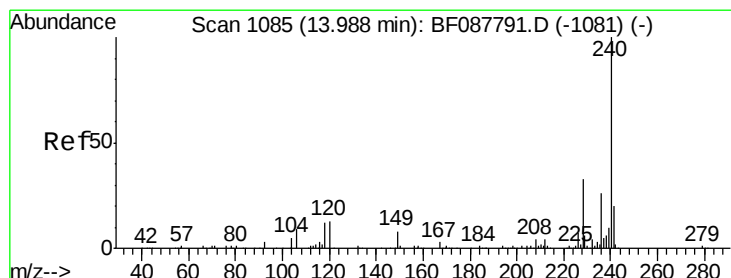
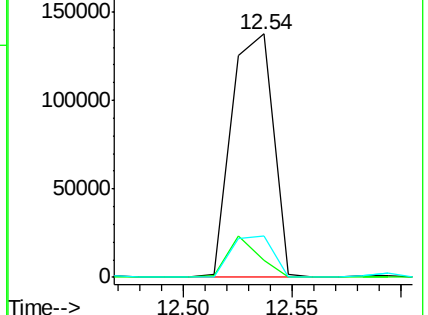
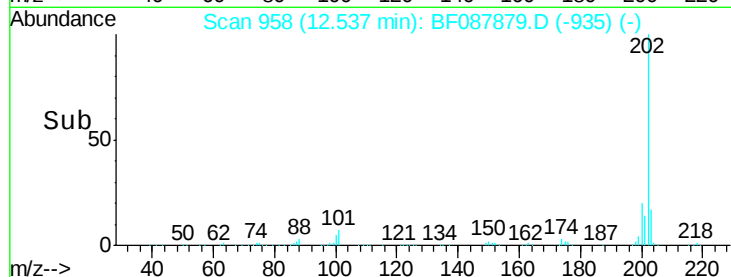
203 16.8 0.0 38.1



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: 13.95 min Scan# 1082

Delta R.T. -0.03 min

Lab File: BF087879.D

Acq: 10 Jun 2016 17:25

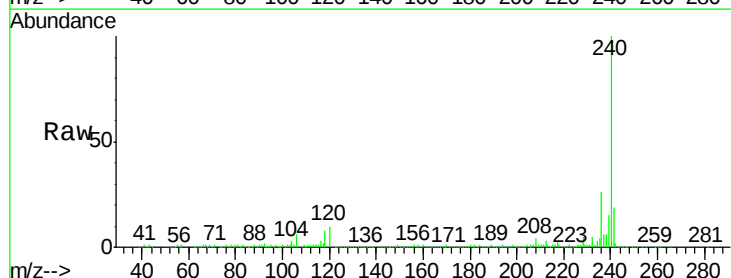
Tgt Ion:240 Resp: 274805

Ion Ratio Lower Upper

240 100

120 9.9 6.8 10.2

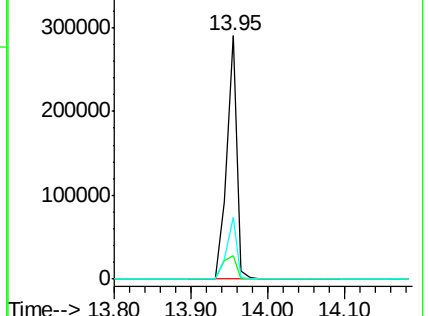
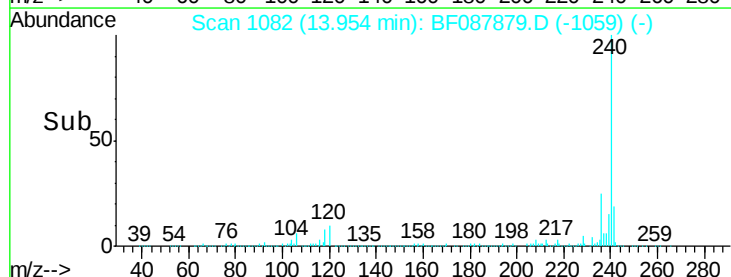
236 25.6 20.2 30.2

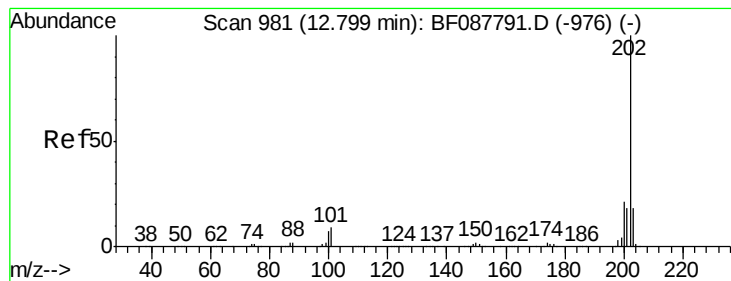


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 8.00 ng

RT: 12.75 min Scan# 977

Delta R.T. -0.05 min

Lab File: BF087879.D

Acq: 10 Jun 2016 17:25

Instrument :

BNA_F

ClientSampleId :

SS-57

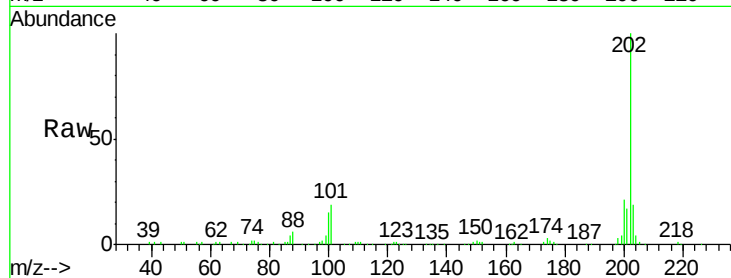
Tgt Ion: 202 Resp: 163092

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

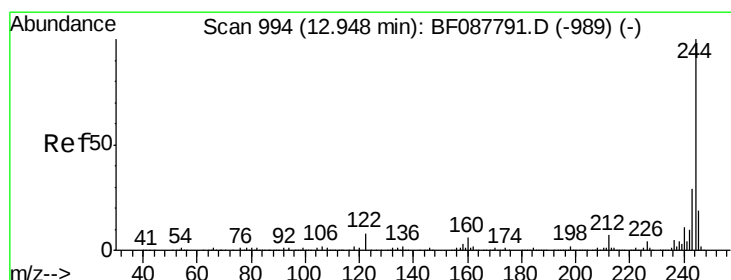
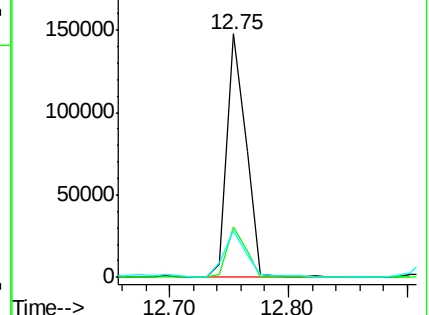
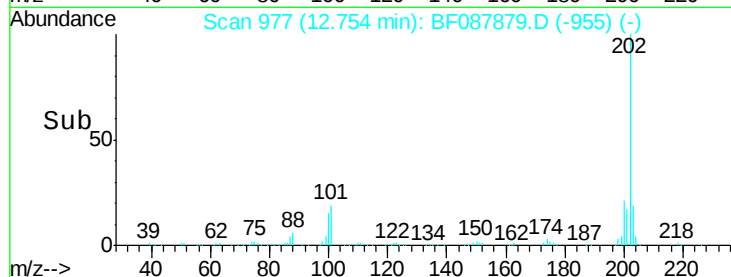
203 19.1 14.5 21.7



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: 22.72 ng

RT: 12.90 min Scan# 990

Delta R.T. -0.05 min

Lab File: BF087879.D

Acq: 10 Jun 2016 17:25

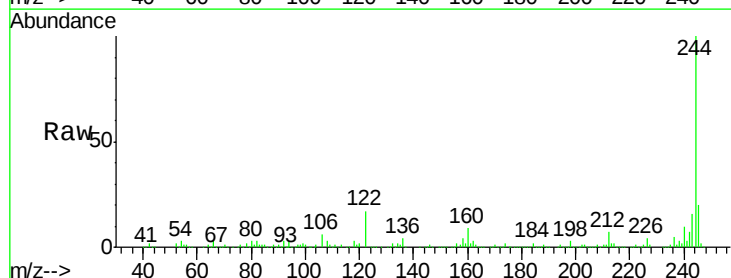
Tgt Ion: 244 Resp: 274319

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

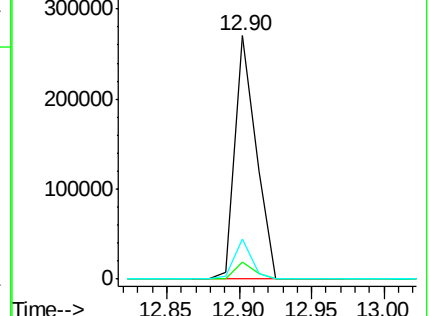
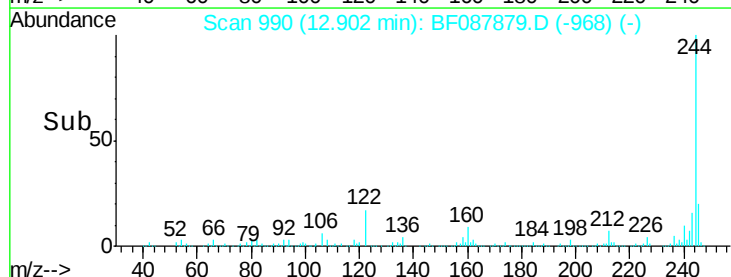
122 16.7 11.2 16.8

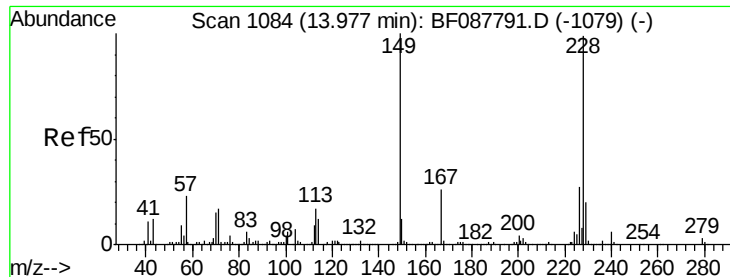


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 7.12 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.03 min

Lab File: BF087879.D

Acq: 10 Jun 2016 17:25

Instrument :

BNA_F

ClientSampleId :

SS-57

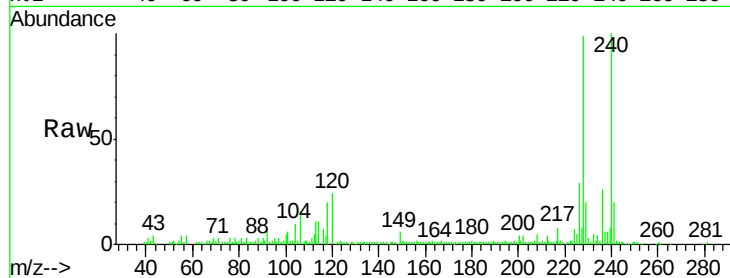
Tgt Ion:228 Resp: 111519

Ion Ratio Lower Upper

228 100

226 29.0 22.3 33.5

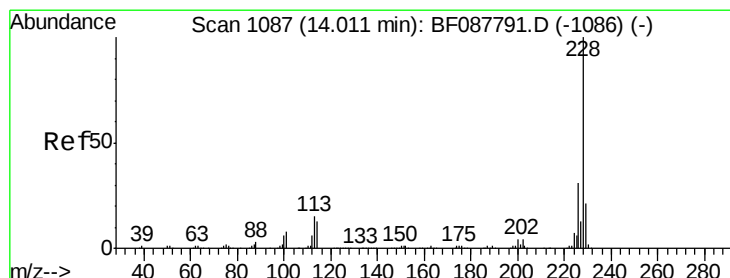
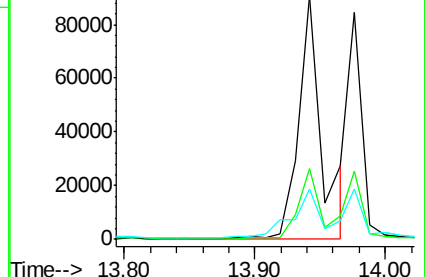
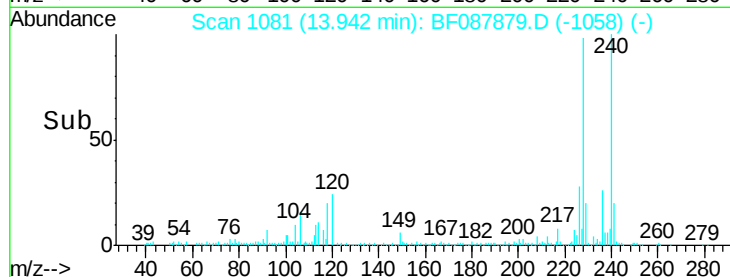
229 20.8 16.0 24.0



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: 7.57 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.07 min

Lab File: BF087879.D

Acq: 10 Jun 2016 17:25

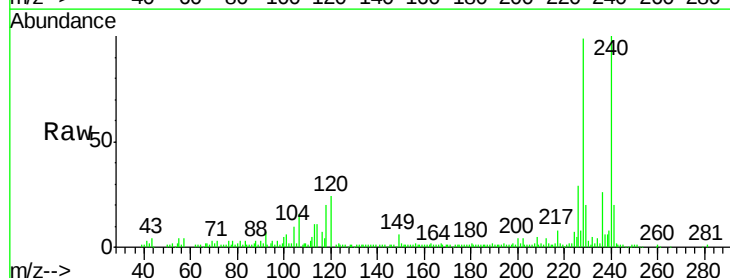
Tgt Ion:228 Resp: 111519

Ion Ratio Lower Upper

228 100

226 29.0 25.4 38.2

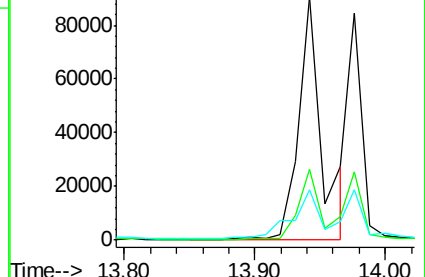
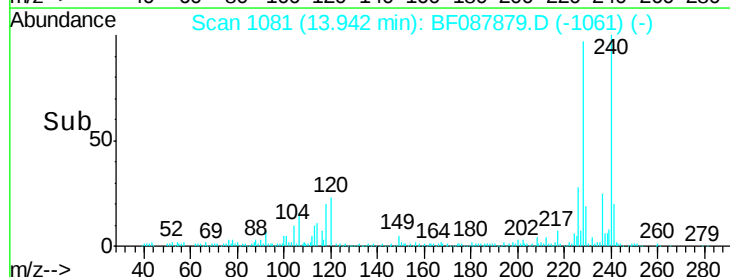
229 20.8 16.3 24.5

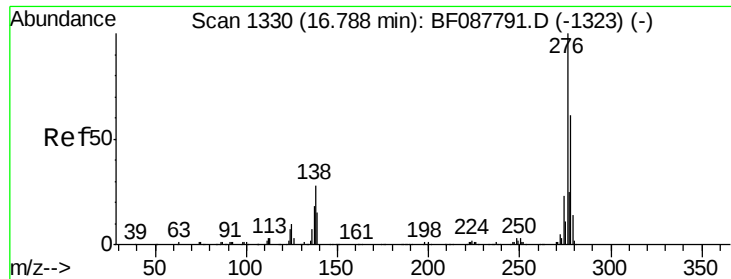


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

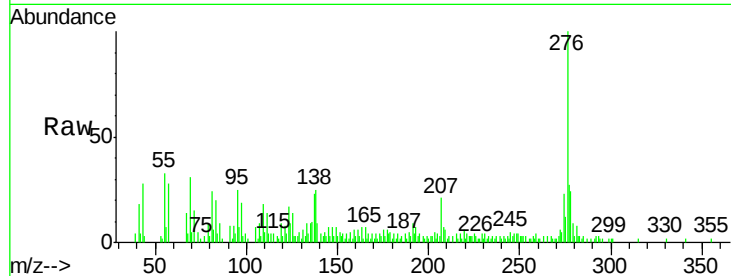




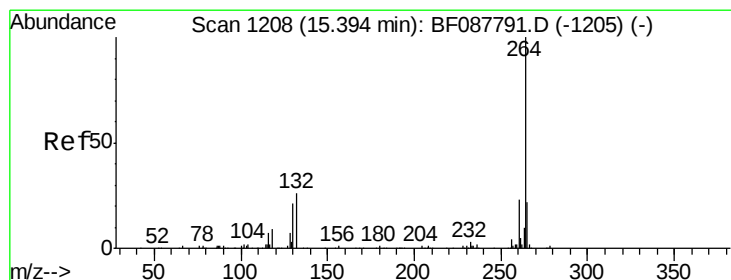
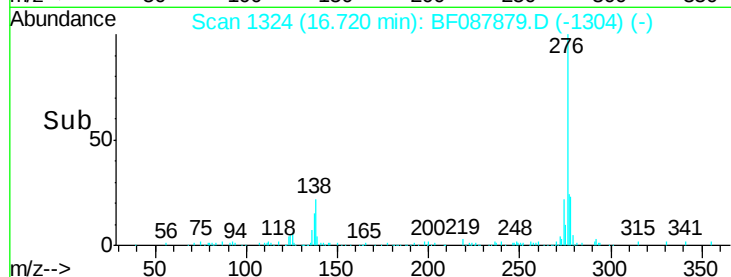
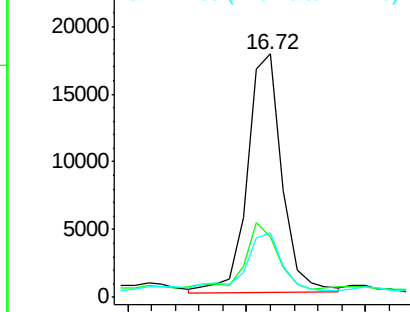
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.61 ng
 RT: 16.72 min Scan# 1324
 Delta R.T. -0.07 min
 Lab File: BF087879.D
 Acq: 10 Jun 2016 17:25

Instrument :
 BNA_F
 ClientSampleId :
 SS-57

Tgt Ion: 276 Resp: 35689
 Ion Ratio Lower Upper
 276 100
 138 27.8 0.0 0.0#
 277 29.2 0.0 0.0#

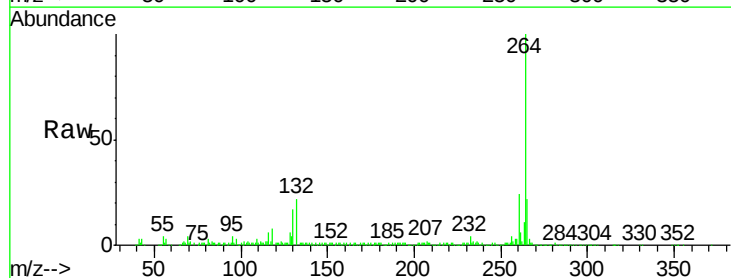


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

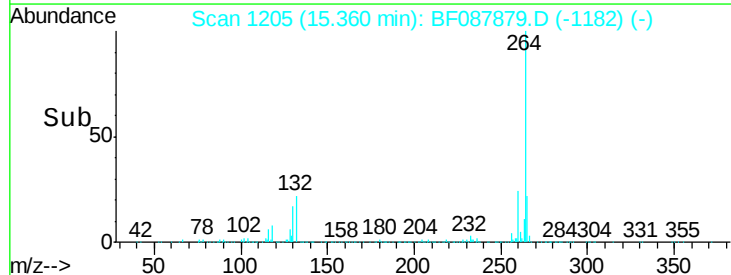
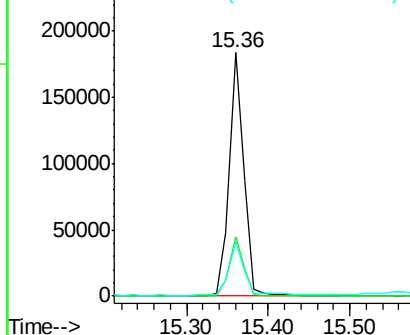


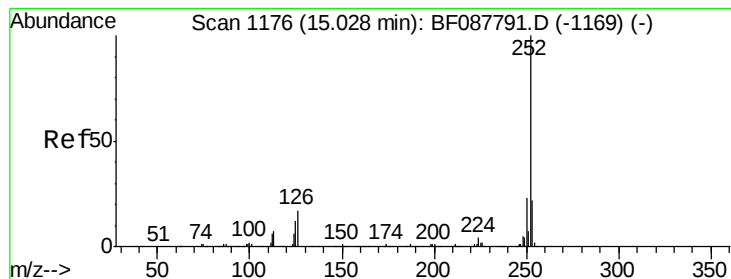
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 1205
 Delta R.T. -0.03 min
 Lab File: BF087879.D
 Acq: 10 Jun 2016 17:25

Tgt Ion: 264 Resp: 226053
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.2 28.8
 265 22.2 16.9 25.3



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





#87

Benzo(b)fluoranthene

Concen: 8.51 ng

RT: 14.96 min Scan# 1170

Delta R.T. -0.03 min

Lab File: BF087879.D

Acq: 10 Jun 2016 17:25

Instrument :

BNA_F

ClientSampleId :

SS-57

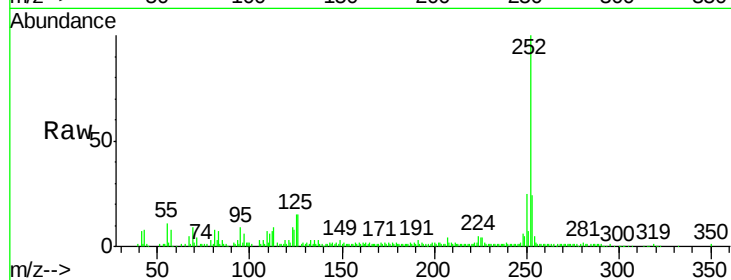
Tgt Ion:252 Resp: 134058

Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.2

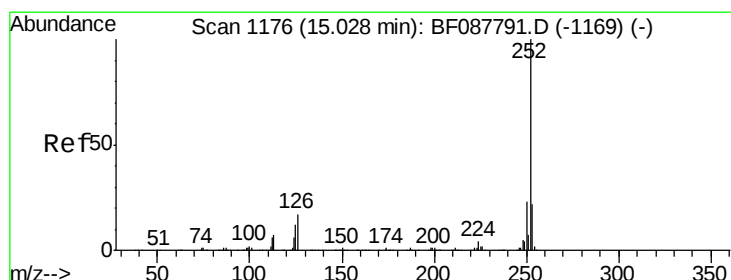
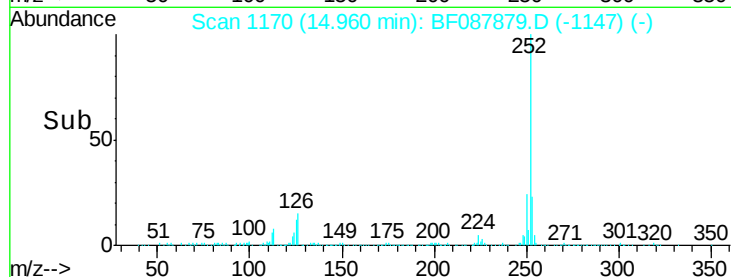
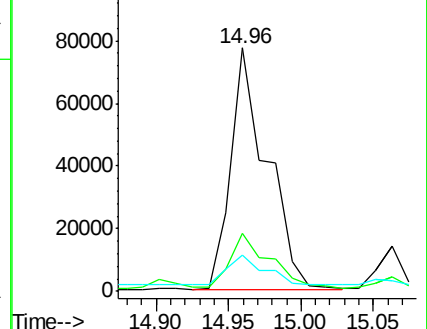
125 14.7 7.1 10.7#



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: 11.28 ng

RT: 14.96 min Scan# 1170

Delta R.T. -0.07 min

Lab File: BF087879.D

Acq: 10 Jun 2016 17:25

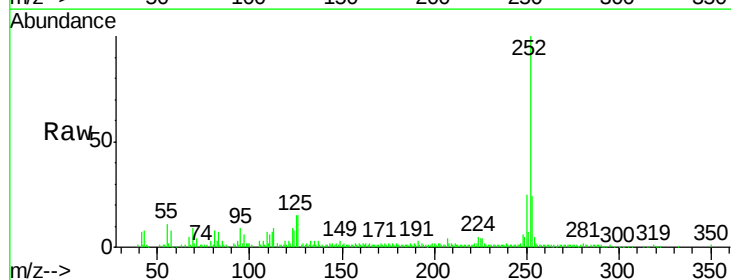
Tgt Ion:252 Resp: 134058

Ion Ratio Lower Upper

252 100

253 23.6 18.0 27.0

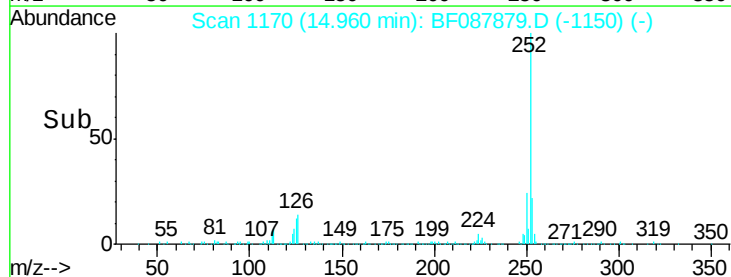
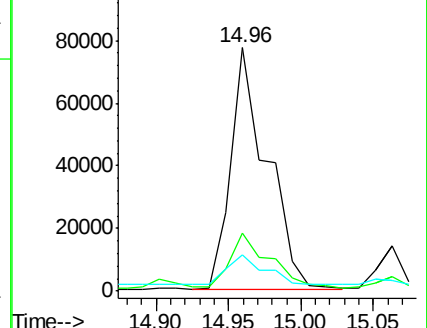
125 14.7 11.2 16.8

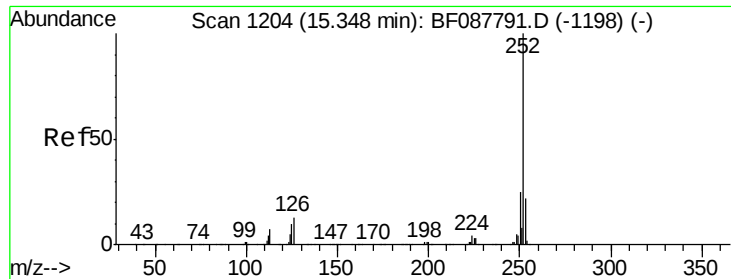


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 5.34 ng

RT: 15.30 min Scan# 1200

Delta R.T. -0.05 min

Lab File: BF087879.D

Acq: 10 Jun 2016 17:25

Instrument :

BNA_F

ClientSampleId :

SS-57

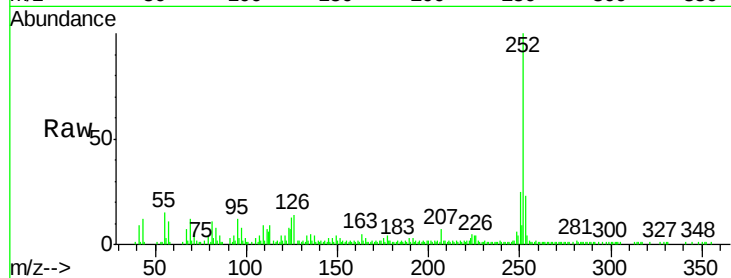
Tgt Ion:252 Resp: 68050

Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

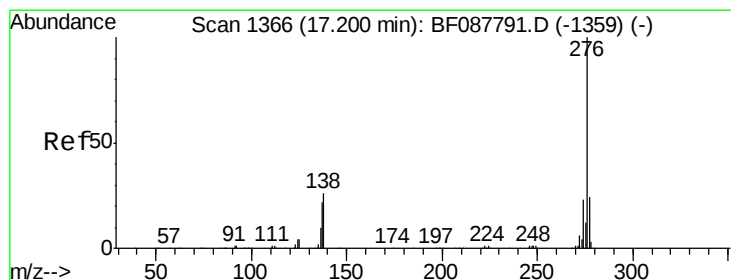
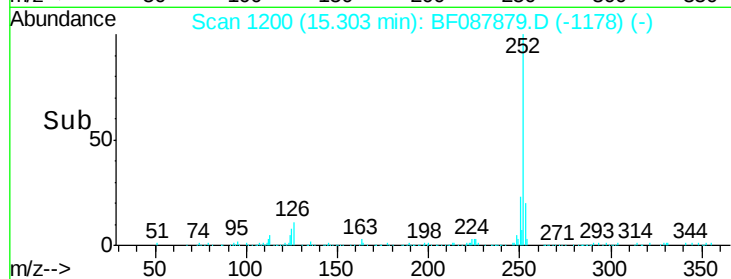
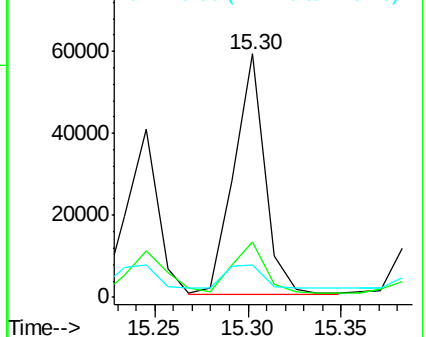
125 13.3 12.5 18.7



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



#91

Benzo(g,h,i)perylene

Concen: 2.67 ng

RT: 17.12 min Scan# 1359

Delta R.T. -0.08 min

Lab File: BF087879.D

Acq: 10 Jun 2016 17:25

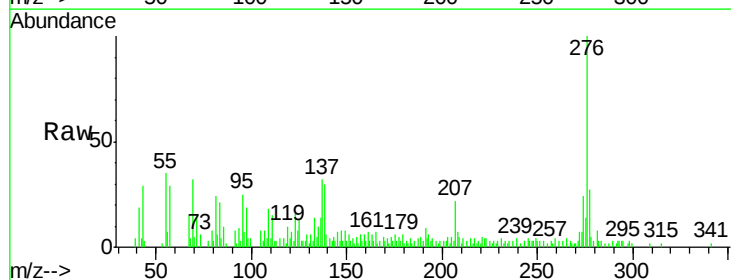
Tgt Ion:276 Resp: 32538

Ion Ratio Lower Upper

276 100

277 26.6 18.9 28.3

138 30.4 21.4 32.2



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

