

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022415\
 Data File : BF077426.D
 Acq On : 24 Feb 2015 20:15
 Operator : IZ / TP
 Sample : G1345-09RE
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UB10PX4

Quant Time: Feb 25 02:55:17 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 25 00:25:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.30	152	73001	20.00	ng	0.00
21) Naphthalene-d8	8.88	136	299808	20.00	ng	-0.01
38) Acenaphthene-d10	11.05	164	149765	20.00	ng	-0.01
63) Phenanthrene-d10	12.91	188	240975	20.00	ng	0.01
75) Chrysene-d12	16.29	240	100340	20.00	ng	0.07
86) Perylene-d12	18.04	264	102863	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	281203	64.31	ng	-0.01
7) Phenol-d6	6.85	99	406345	72.27	ng	-0.01
23) Nitrobenzene-d5	7.98	82	216949	45.00	ng	-0.01
41) 2,4,6-Tribromophenol	12.04	330	111641	77.42	ng	0.00
44) 2-Fluorobiphenyl	10.23	172	564891	58.81	ng	0.00
78) Terphenyl-d14	14.95	244	329274	76.72	ng	0.05

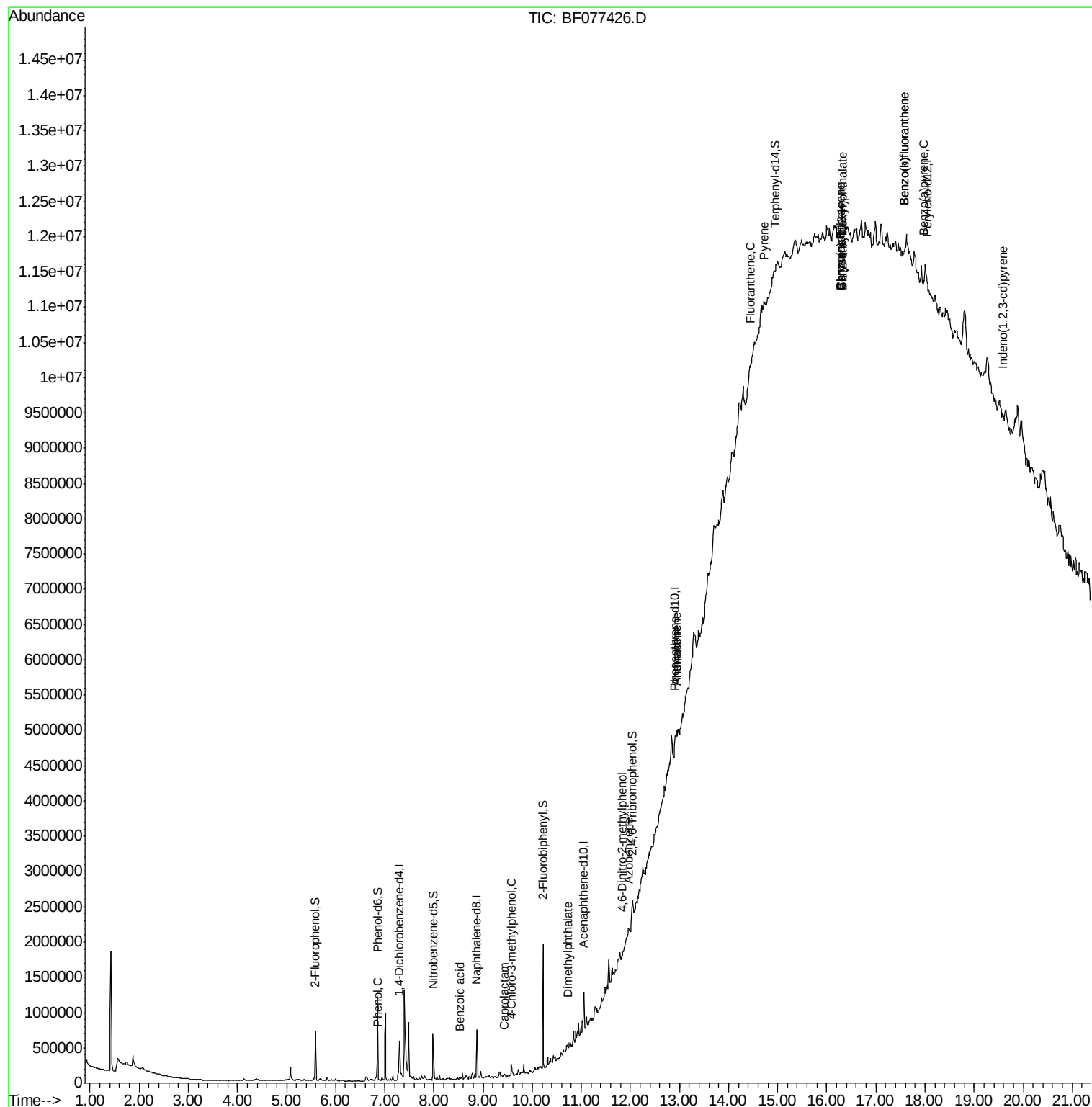
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.86	94	14862	2.23	ng	79
32) Benzoic acid	8.53	122	6928	3.07	ng	92
35) Caprolactam	9.44	113	3259	2.45	ng	# 1
36) 4-Chloro-3-methylphenol	9.57	107	39250	8.94	ng	94
49) Dimethylphthalate	10.73	163	43899	4.17	ng	# 95
62) Azobenzene	11.96	77	38784	3.94	ng	# 16
64) 4,6-Dinitro-2-methylphenol	11.84	198	414	4.11	ng	# 1
70) Phenanthrene	12.95	178	138194	9.89	ng	# 47
71) Anthracene	12.95	178	85730	6.19	ng	# 47
74) Fluoranthene	14.44	202	111416	7.30	ng	# 31
77) Pyrene	14.73	202	88226	14.37	ng	# 16
80) Benzo(a)anthracene	16.28	228	55449	9.43	ng	# 14
82) Chrysene	16.28	228	58010	10.51	ng	# 22
83) Bis(2-ethylhexyl)phthalate	16.32	149	678827	167.64	ng	# 91
85) Indeno(1,2,3-cd)pyrene	19.59	276	24028	3.82	ng	# 69
87) Benzo(b)fluoranthene	17.59	252	53141	8.88	ng	# 1
88) Benzo(k)fluoranthene	17.59	252	52348	8.93	ng	# 1
89) Benzo(a)pyrene	17.97	252	26444	4.64	ng	# 1

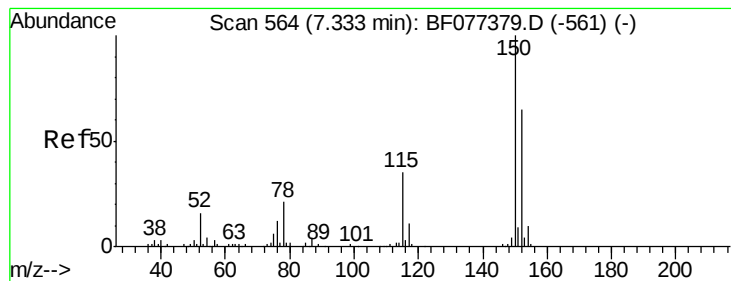
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022415\
Data File : BF077426.D
Acq On : 24 Feb 2015 20:15
Operator : IZ / TP
Sample : G1345-09RE
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
UB10PX4

Quant Time: Feb 25 02:55:17 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 25 00:25:01 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.30 min Scan# 561

Delta R.T. 0.00 min

Lab File: BF077426.D

Acq: 24 Feb 2015 20:15

Instrument :

BNA_F

ClientSampleId :

UB10PX4

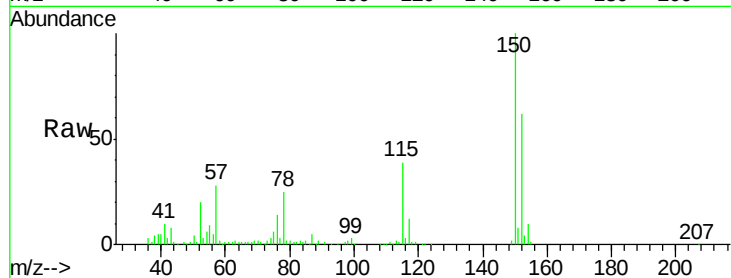
Tgt Ion:152 Resp: 73001

Ion Ratio Lower Upper

152 100

150 160.2 124.0 186.0

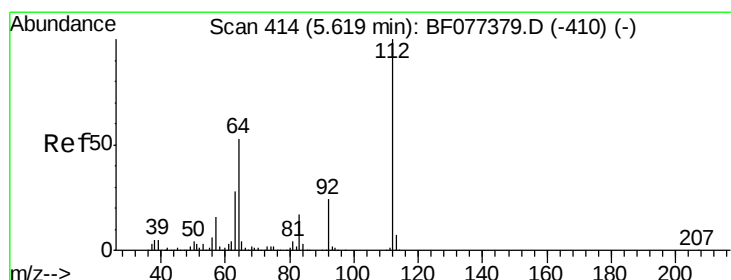
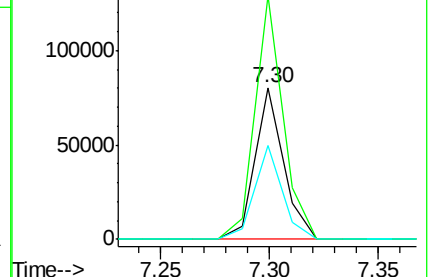
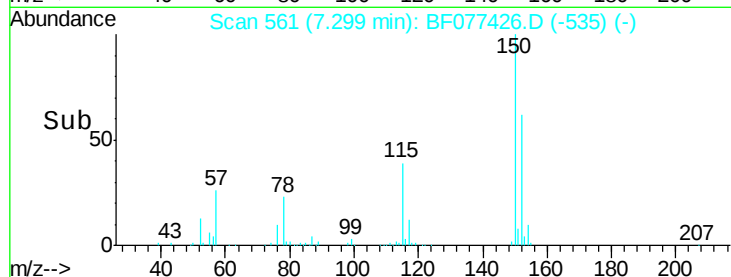
115 61.9 49.4 74.2



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: 64.31 ng

RT: 5.58 min Scan# 411

Delta R.T. -0.01 min

Lab File: BF077426.D

Acq: 24 Feb 2015 20:15

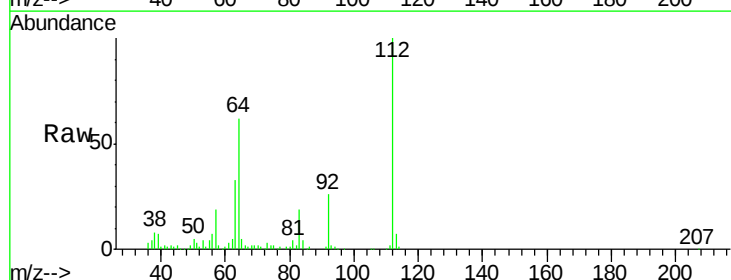
Tgt Ion:112 Resp: 281203

Ion Ratio Lower Upper

112 100

64 62.0 48.5 72.7

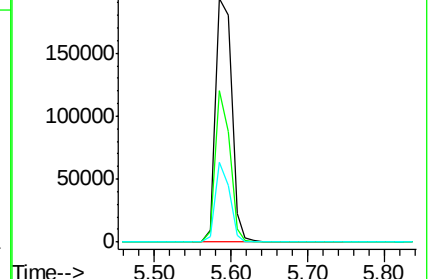
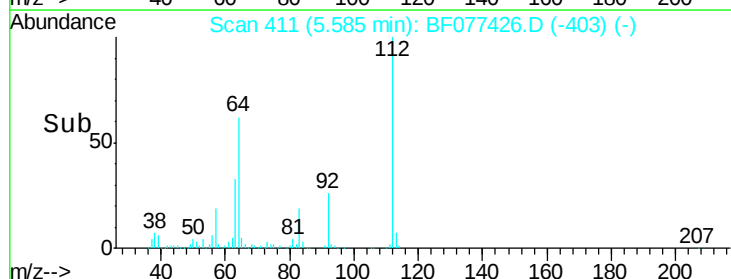
63 32.9 25.0 37.4

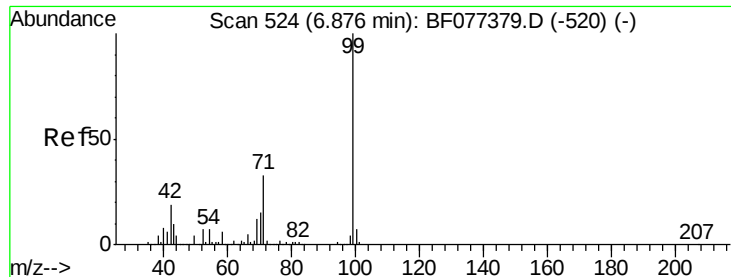


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 72.27 ng

RT: 6.85 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF077426.D

Acq: 24 Feb 2015 20:15

Instrument :

BNA_F

ClientSampleId :

UB10PX4

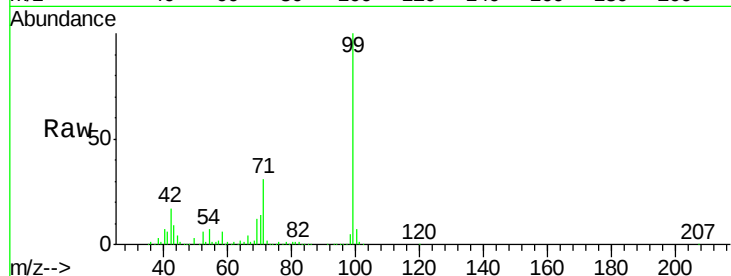
Tgt Ion: 99 Resp: 406345

Ion Ratio Lower Upper

99 100

42 16.9 16.2 24.4

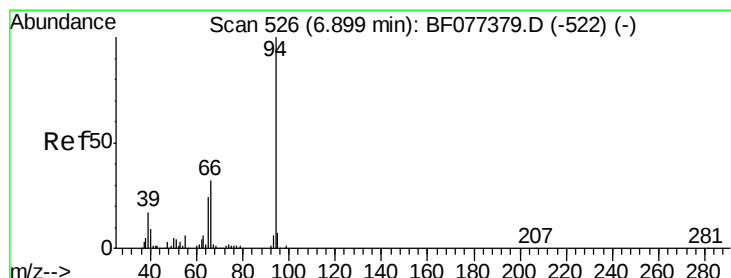
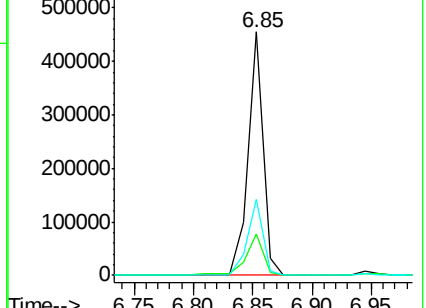
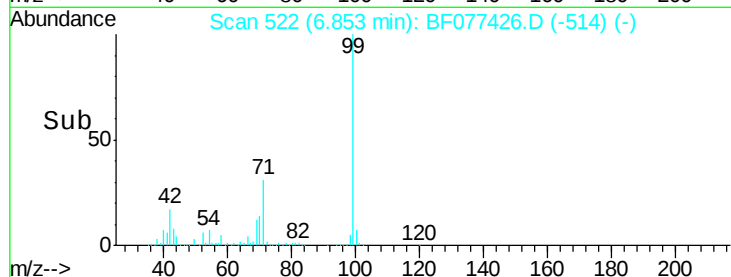
71 31.3 26.7 40.1



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: 2.23 ng

RT: 6.86 min Scan# 523

Delta R.T. -0.01 min

Lab File: BF077426.D

Acq: 24 Feb 2015 20:15

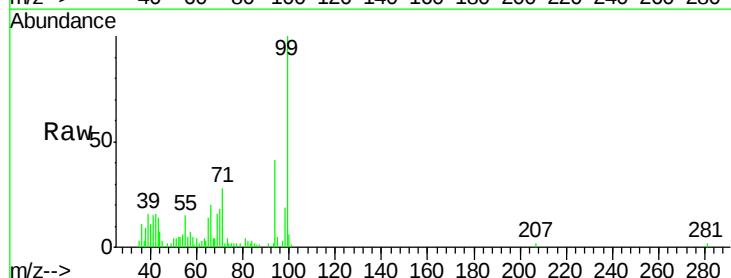
Tgt Ion: 94 Resp: 14862

Ion Ratio Lower Upper

94 100

65 33.4 5.7 45.7

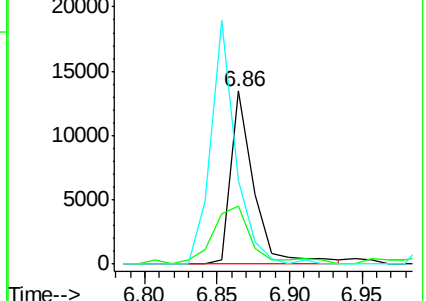
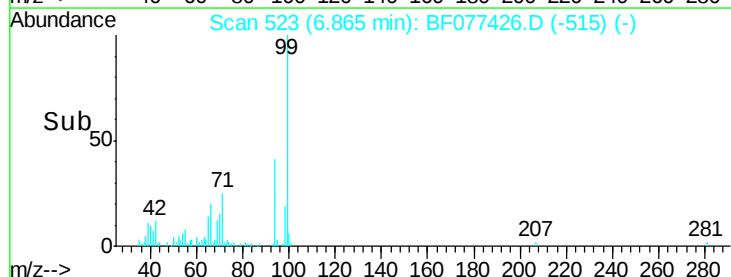
66 48.4 13.6 53.6

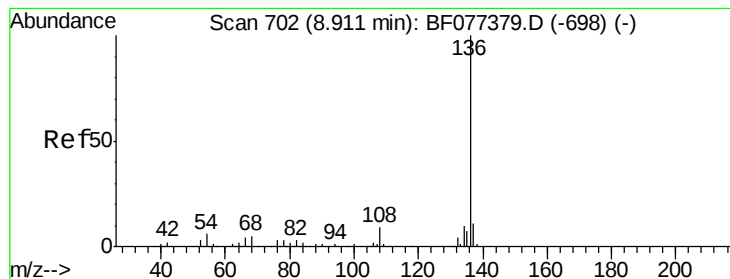


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.88 min Scan# 699

Delta R.T. -0.01 min

Lab File: BF077426.D

Acq: 24 Feb 2015 20:15

Instrument :

BNA_F

ClientSampleId :

UB10PX4

Tgt Ion:136 Resp: 299808

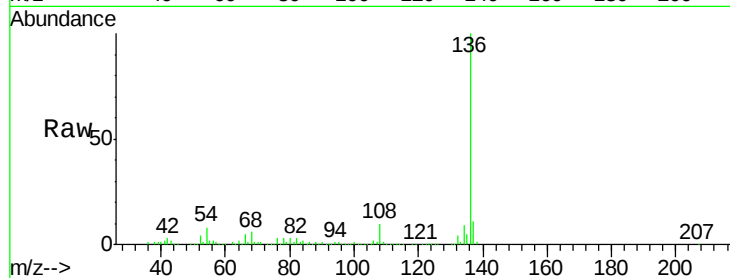
Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

54 7.6 6.2 9.4

68 6.4 5.0 7.6

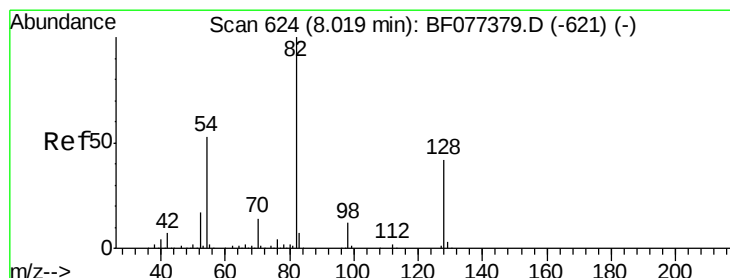
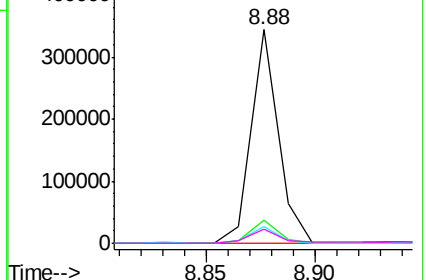
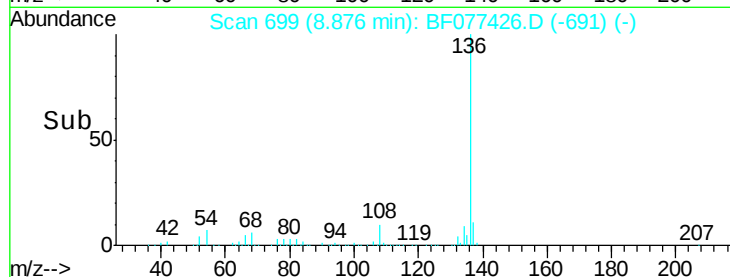


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 45.00 ng

RT: 7.98 min Scan# 621

Delta R.T. -0.01 min

Lab File: BF077426.D

Acq: 24 Feb 2015 20:15

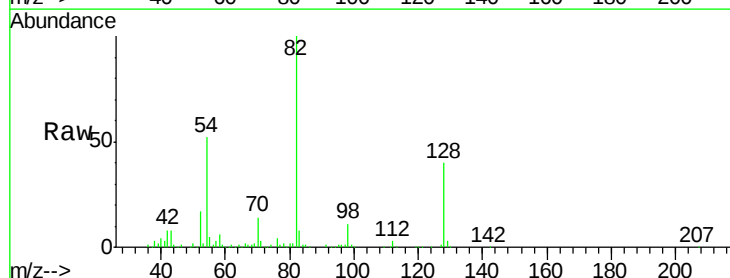
Tgt Ion: 82 Resp: 216949

Ion Ratio Lower Upper

82 100

128 39.8 43.8 65.8#

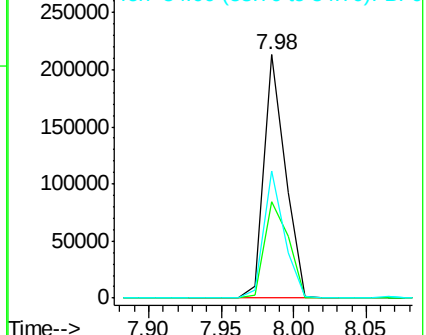
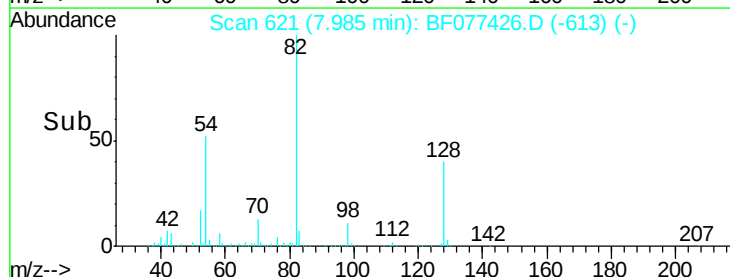
54 52.4 36.7 55.1

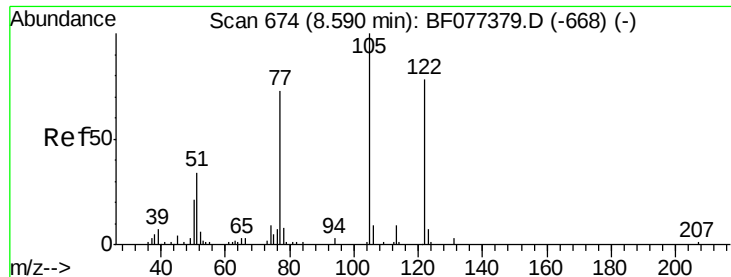


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

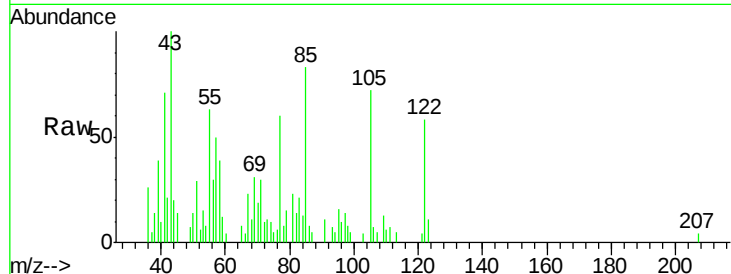




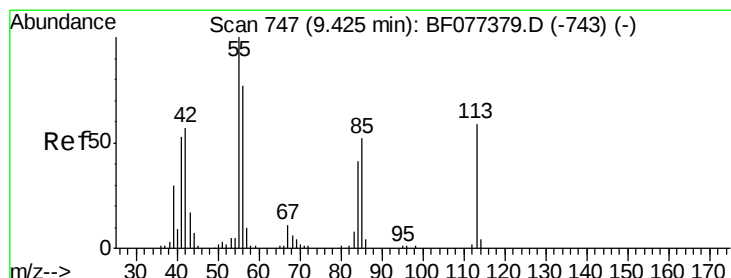
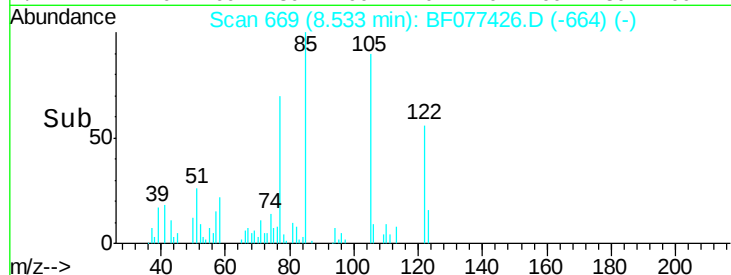
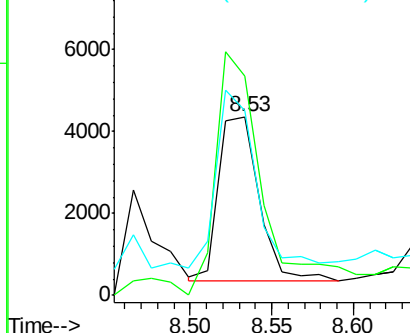
#32
Benzoic acid
Concen: 3.07 ng
RT: 8.53 min Scan# 669
Delta R.T. -0.05 min
Lab File: BF077426.D
Acq: 24 Feb 2015 20:15

Instrument :
BNA_F
ClientSampleId :
UB10PX4

Tgt Ion:122 Resp: 6928
Ion Ratio Lower Upper
122 100
105 122.8 100.3 140.3
77 103.7 68.7 108.7

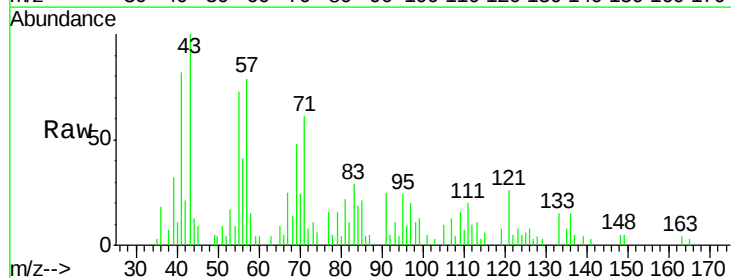


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

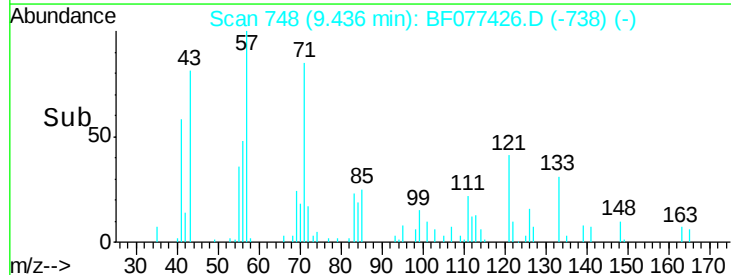
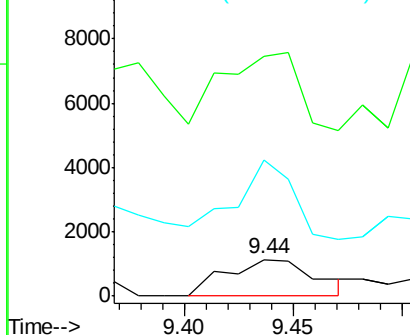


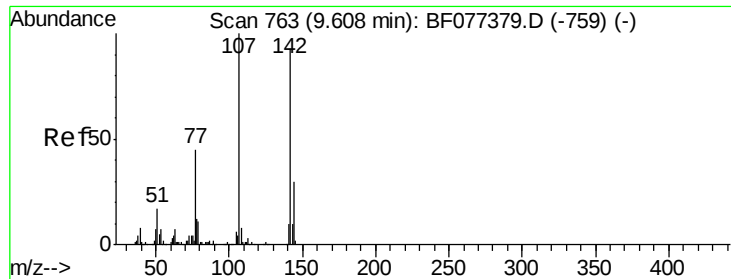
#35
Caprolactam
Concen: 2.45 ng
RT: 9.44 min Scan# 748
Delta R.T. 0.01 min
Lab File: BF077426.D
Acq: 24 Feb 2015 20:15

Tgt Ion:113 Resp: 3259
Ion Ratio Lower Upper
113 100
55 653.8 154.6 194.6#
56 371.0 114.0 154.0#



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF0
Ion 56.00 (55.70 to 56.70): BF0





#36

4-Chloro-3-methylphenol

Concen: 8.94 ng

RT: 9.57 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF077426.D

Acq: 24 Feb 2015 20:15

Instrument :

BNA_F

ClientSampleId :

UB10PX4

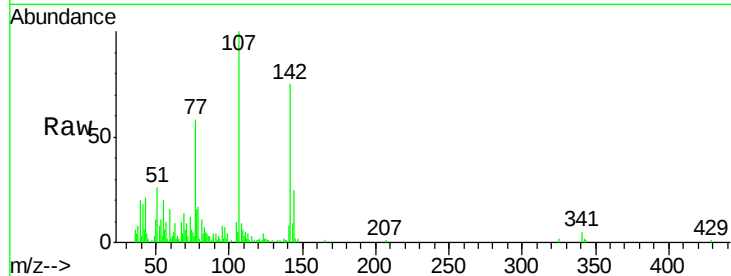
Tgt Ion:107 Resp: 39250

Ion Ratio Lower Upper

107 100

144 24.7 21.1 31.7

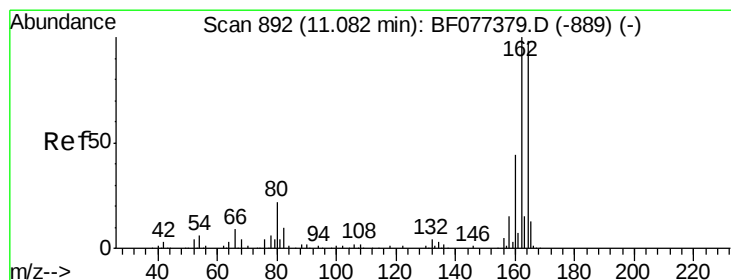
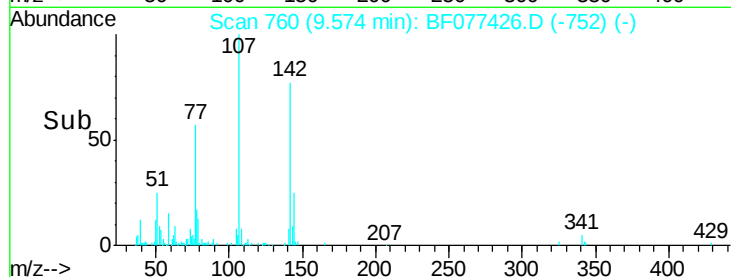
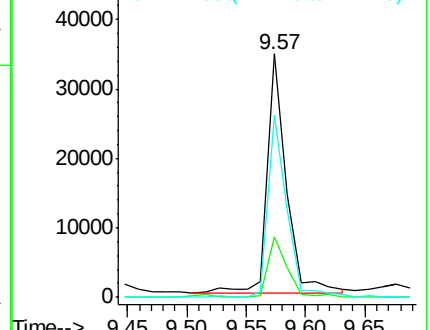
142 75.0 65.3 97.9



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 11.05 min Scan# 889

Delta R.T. -0.01 min

Lab File: BF077426.D

Acq: 24 Feb 2015 20:15

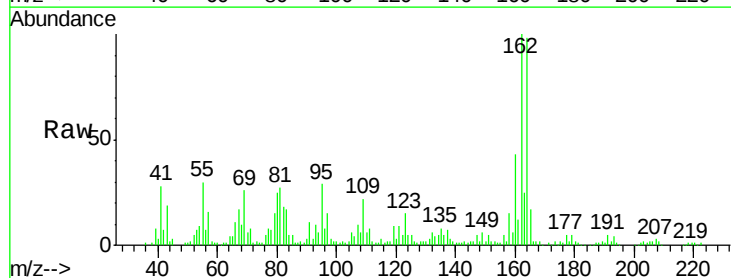
Tgt Ion:164 Resp: 149765

Ion Ratio Lower Upper

164 100

162 102.0 83.2 124.8

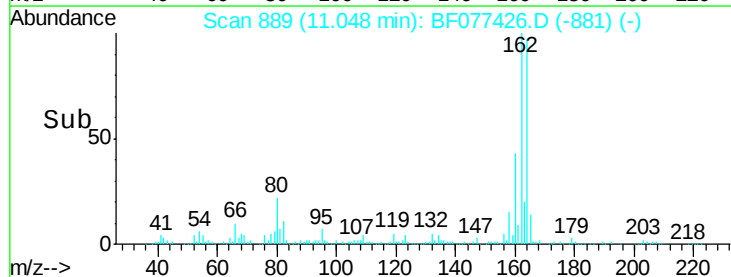
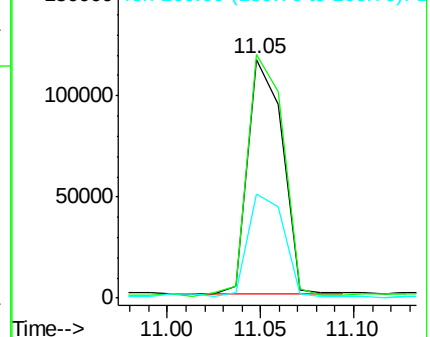
160 43.6 34.6 52.0

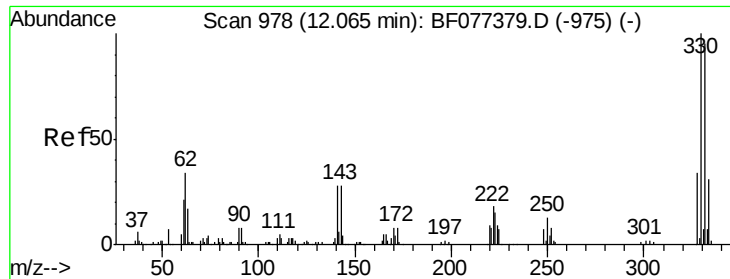


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

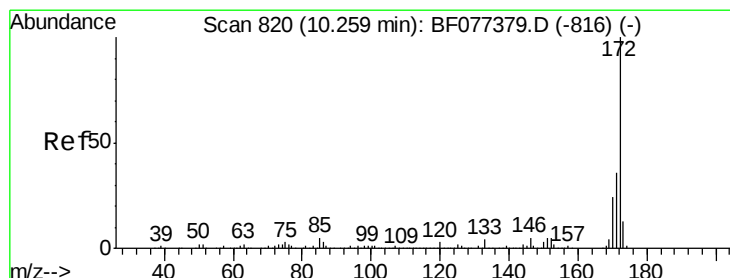
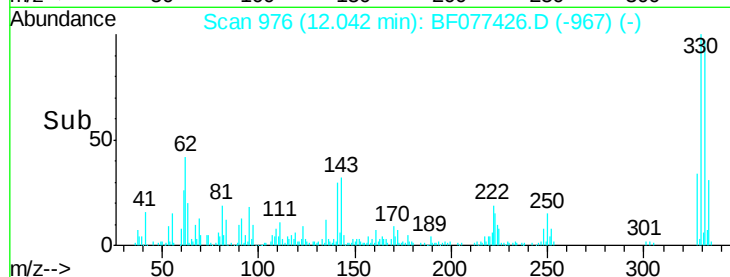
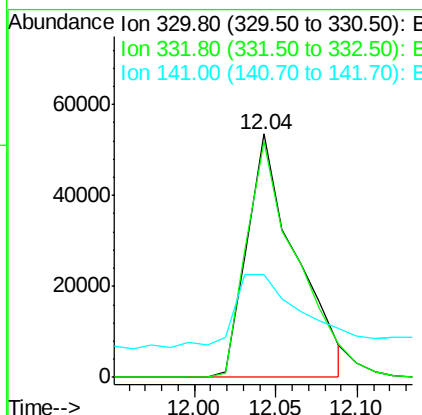
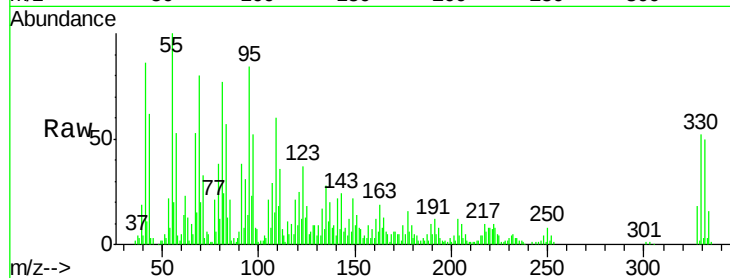




#41
 2,4,6-Tribromophenol
 Concen: 77.42 ng
 RT: 12.04 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: BF077426.D
 Acq: 24 Feb 2015 20:15

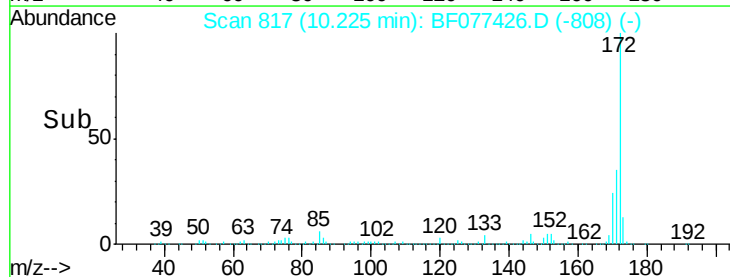
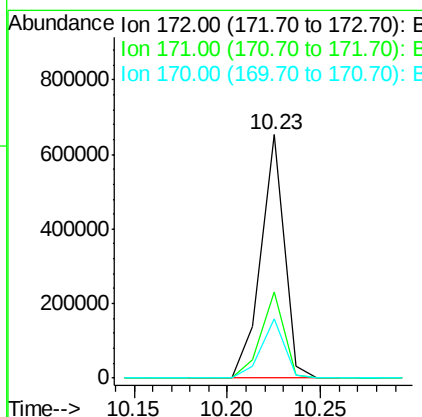
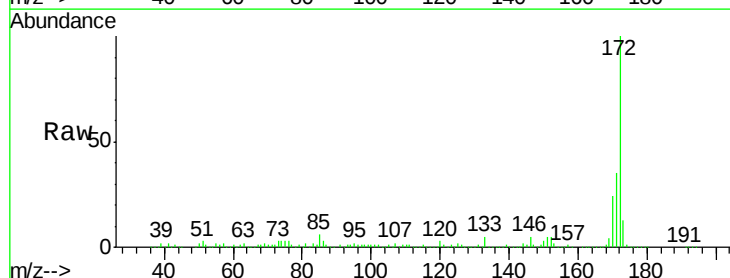
Instrument :
 BNA_F
 ClientSampleId :
 UB10PX4

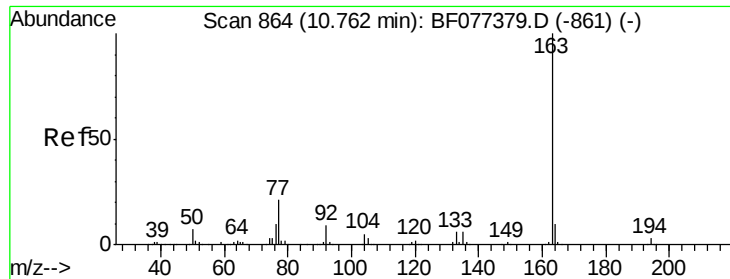
Tgt Ion:330 Resp: 111641
 Ion Ratio Lower Upper
 330 100
 332 98.5 77.4 116.2
 141 41.4 28.8 43.2



#44
 2-Fluorobiphenyl
 Concen: 58.81 ng
 RT: 10.23 min Scan# 817
 Delta R.T. 0.00 min
 Lab File: BF077426.D
 Acq: 24 Feb 2015 20:15

Tgt Ion:172 Resp: 564891
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.9 43.3
 170 24.2 19.4 29.2

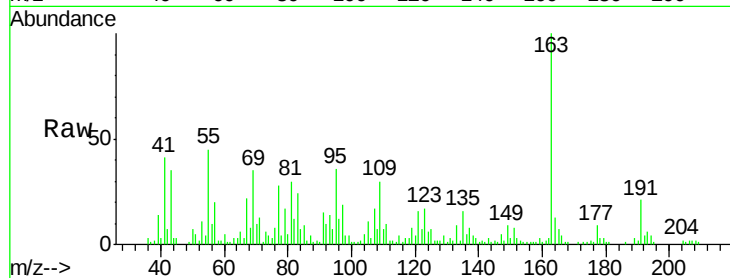




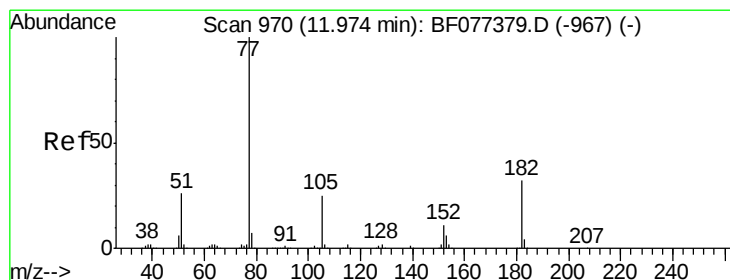
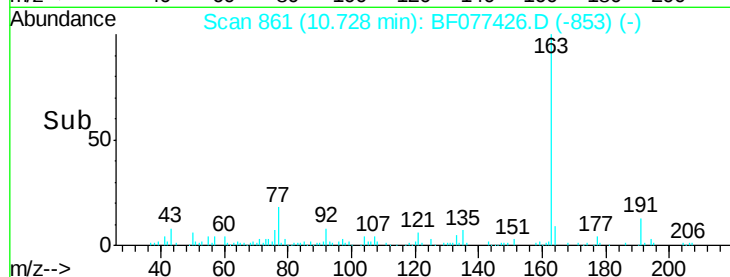
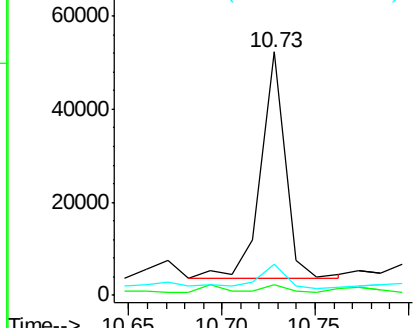
#49
Dimethylphthalate
Concen: 4.17 ng
RT: 10.73 min Scan# 861
Delta R.T. -0.01 min
Lab File: BF077426.D
Acq: 24 Feb 2015 20:15

Instrument :
BNA_F
ClientSampleId :
UB10PX4

Tgt Ion: 163 Resp: 43899
Ion Ratio Lower Upper
163 100
194 4.4 2.6 4.0#
164 12.7 8.6 13.0

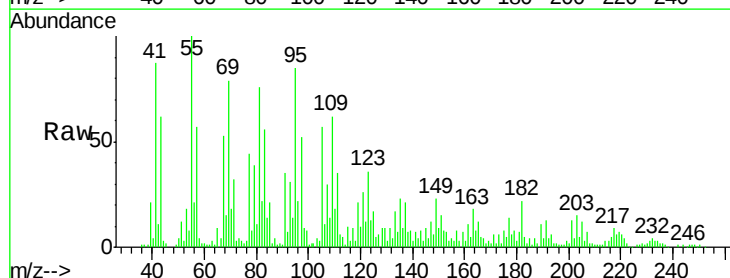


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

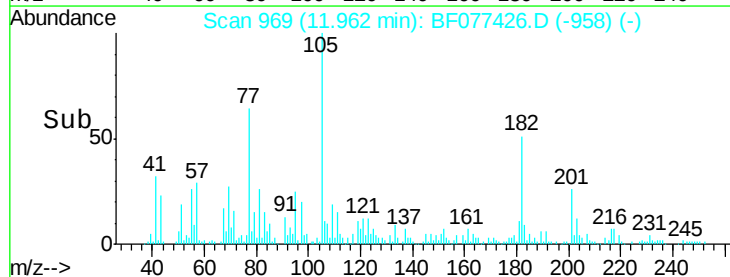
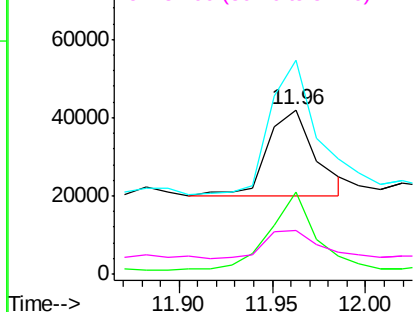


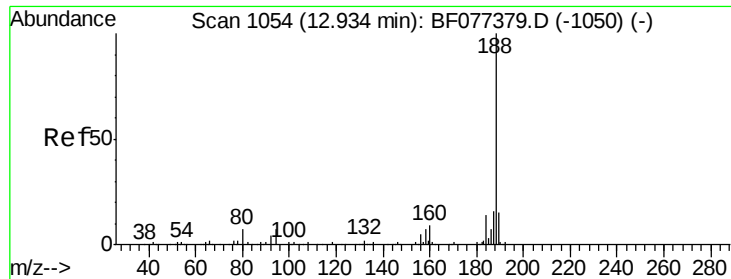
#62
Azobenzene
Concen: 3.94 ng
RT: 11.96 min Scan# 969
Delta R.T. 0.02 min
Lab File: BF077426.D
Acq: 24 Feb 2015 20:15

Tgt Ion: 77 Resp: 38784
Ion Ratio Lower Upper
77 100
182 50.2 4.9 44.9#
105 130.2 3.3 43.3#
51 26.6 8.9 48.9



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.91 min Scan# 1052

Delta R.T. 0.01 min

Lab File: BF077426.D

Acq: 24 Feb 2015 20:15

Instrument :

BNA_F

ClientSampleId :

UB10PX4

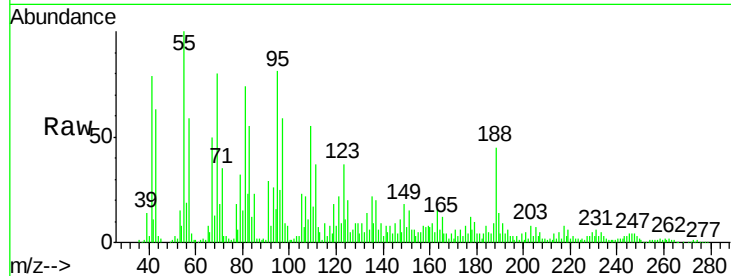
Tgt Ion:188 Resp: 240975

Ion Ratio Lower Upper

188 100

94 35.7 7.4 11.2#

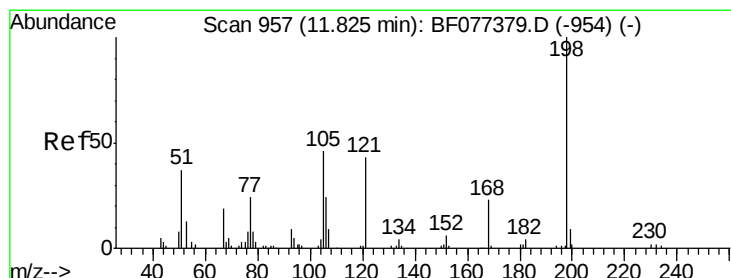
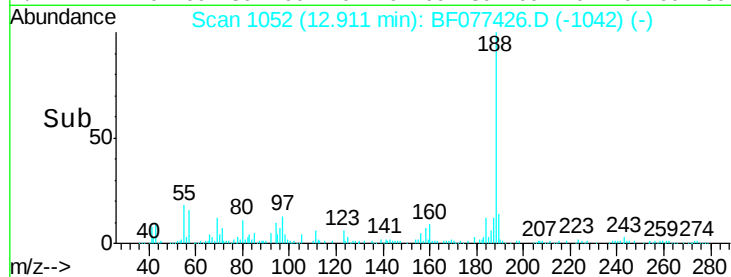
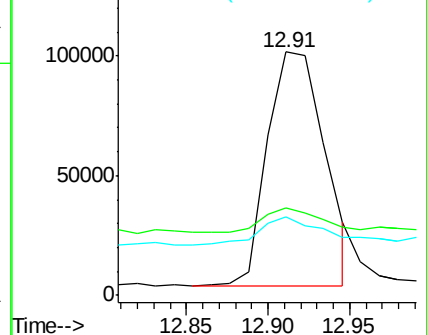
80 32.1 8.0 12.0#



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



#64

4,6-Dinitro-2-methylphenol

Concen: 4.11 ng

RT: 11.84 min Scan# 958

Delta R.T. 0.03 min

Lab File: BF077426.D

Acq: 24 Feb 2015 20:15

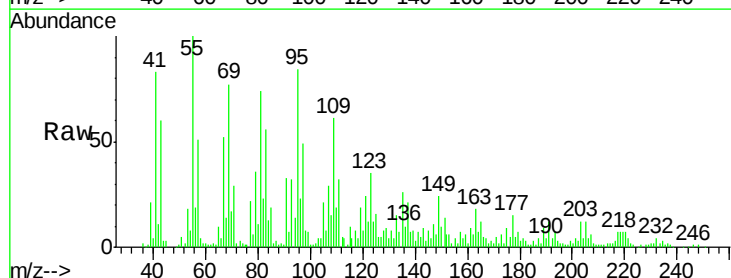
Tgt Ion:198 Resp: 414

Ion Ratio Lower Upper

198 100

51 779.7 2.7 42.7#

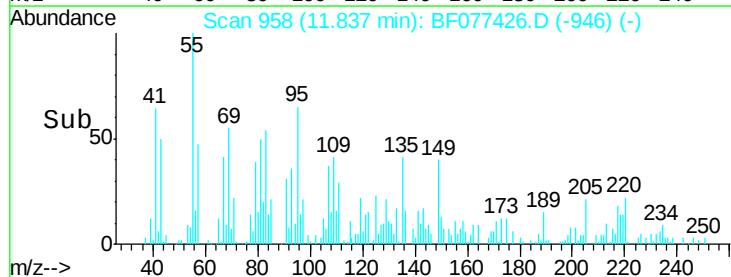
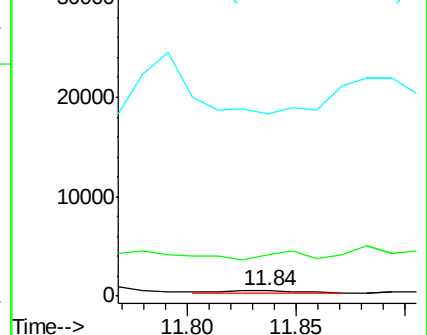
105 3432.6 10.0 50.0#

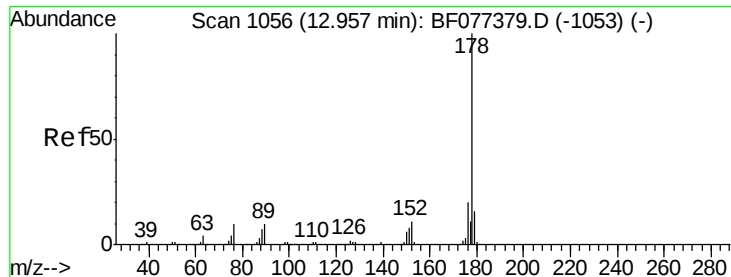


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

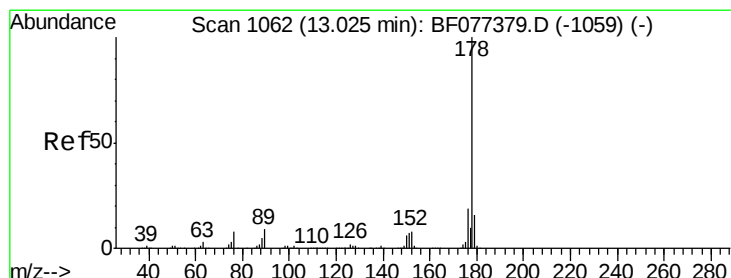
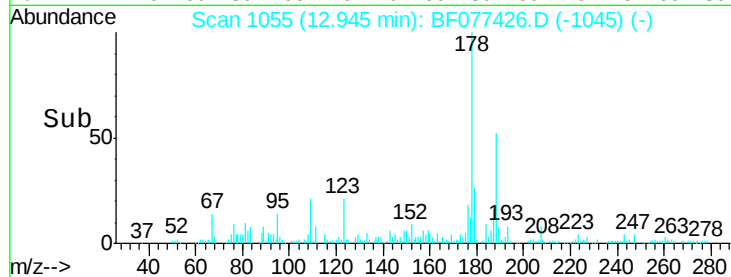
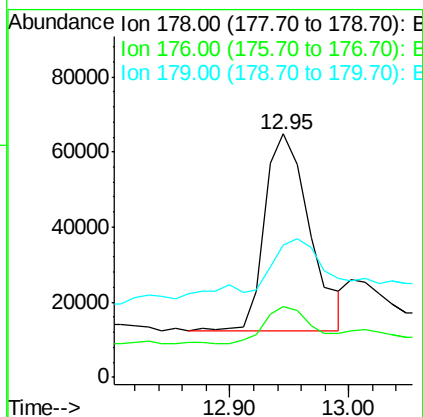
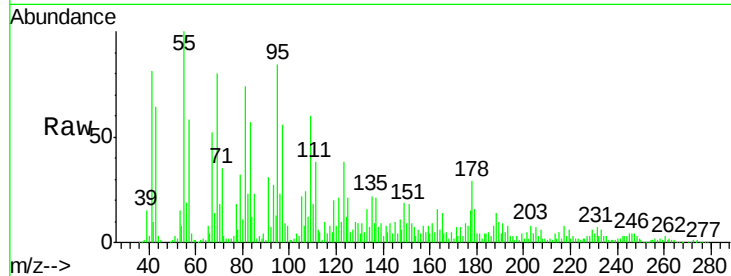




#70
Phenanthrene
Concen: 9.89 ng
RT: 12.95 min Scan# 1055
Delta R.T. 0.01 min
Lab File: BF077426.D
Acq: 24 Feb 2015 20:15

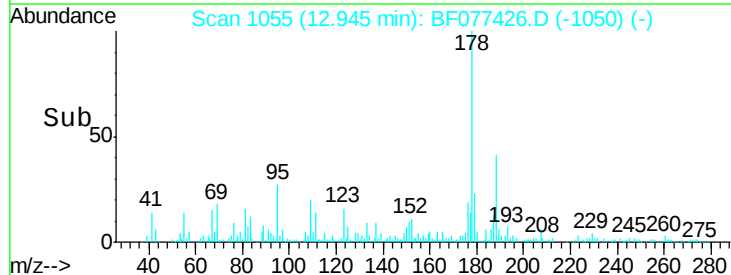
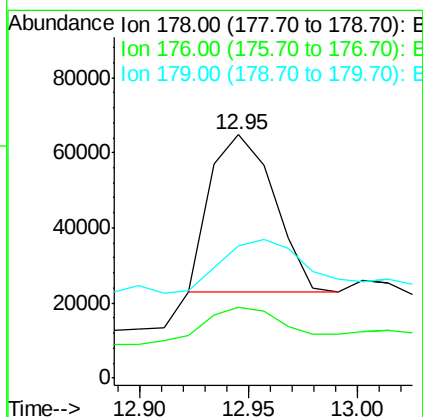
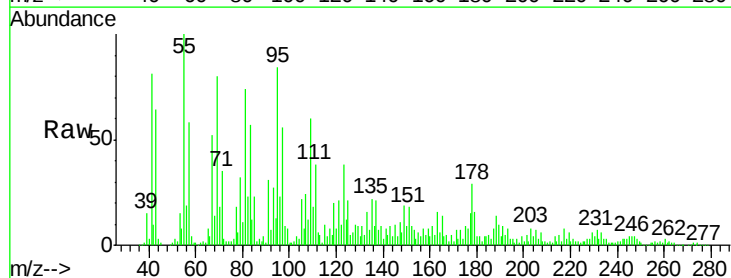
Instrument :
BNA_F
ClientSampleId :
UB10PX4

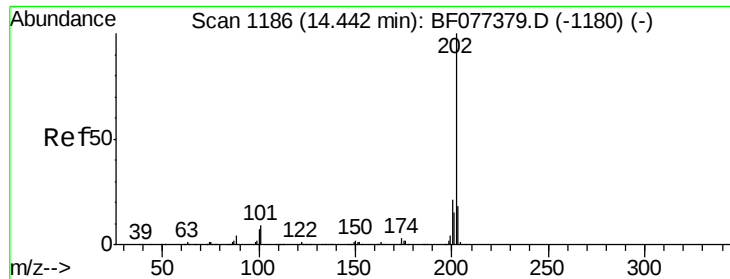
Tgt Ion:178 Resp: 138194
Ion Ratio Lower Upper
178 100
176 29.0 15.5 23.3#
179 54.4 12.2 18.2#



#71
Anthracene
Concen: 6.19 ng
RT: 12.95 min Scan# 1055
Delta R.T. -0.05 min
Lab File: BF077426.D
Acq: 24 Feb 2015 20:15

Tgt Ion:178 Resp: 85730
Ion Ratio Lower Upper
178 100
176 29.0 15.4 23.0#
179 54.4 12.9 19.3#





#74

Fluoranthene

Concen: 7.30 ng

RT: 14.44 min Scan# 1186

Delta R.T. 0.03 min

Lab File: BF077426.D

Acq: 24 Feb 2015 20:15

Instrument :

BNA_F

ClientSampleId :

UB10PX4

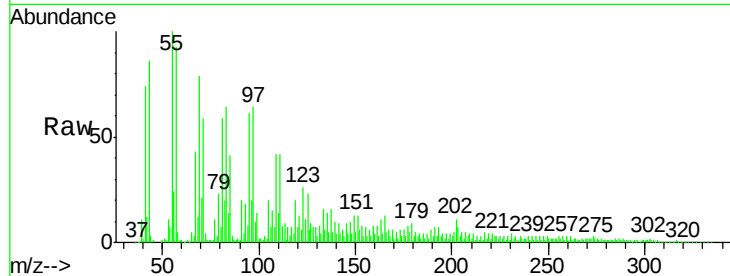
Tgt Ion: 202 Resp: 111416

Ion Ratio Lower Upper

202 100

101 17.3 0.0 30.8

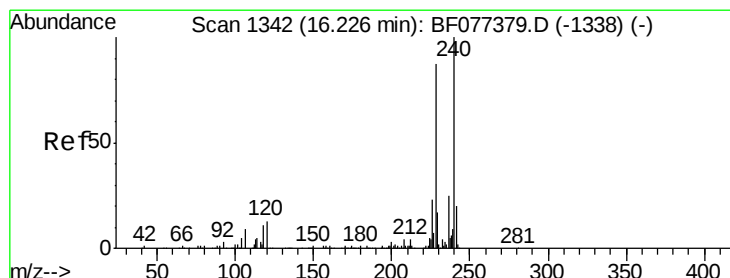
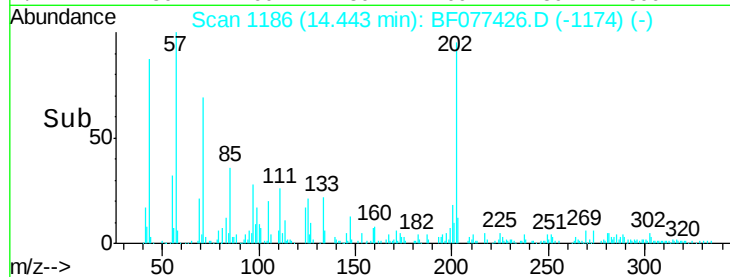
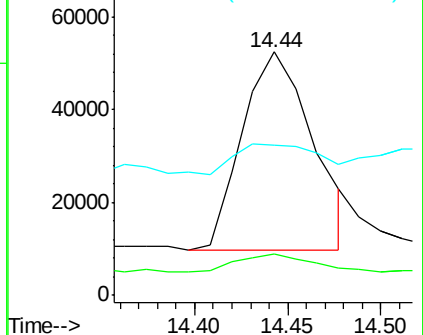
203 61.7 0.0 37.7#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.29 min Scan# 1348

Delta R.T. 0.07 min

Lab File: BF077426.D

Acq: 24 Feb 2015 20:15

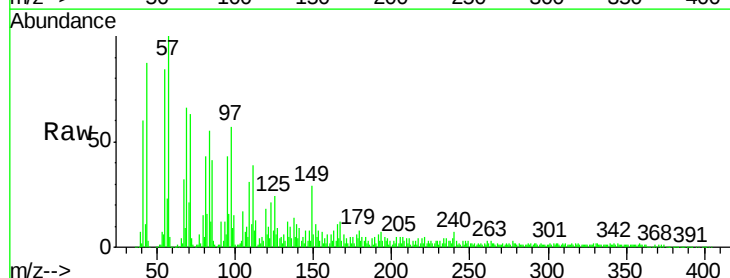
Tgt Ion: 240 Resp: 100340

Ion Ratio Lower Upper

240 100

120 94.2 8.8 13.2#

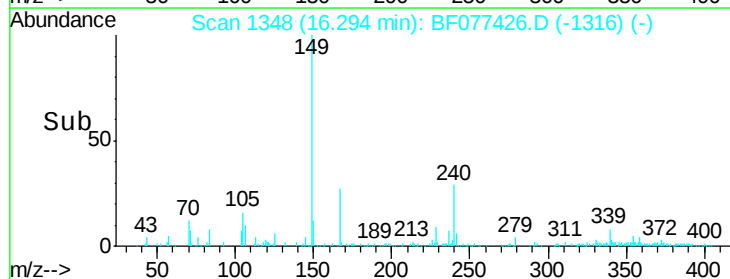
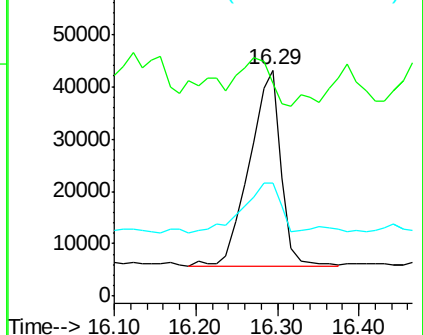
236 49.8 20.7 31.1#

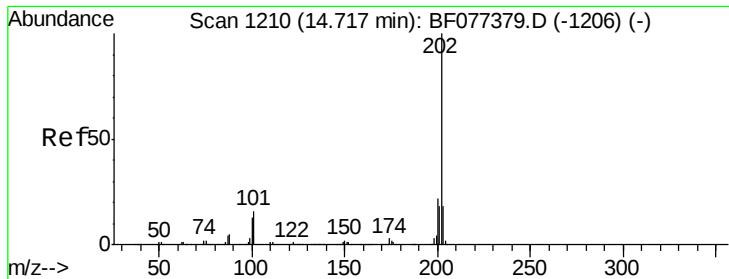


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 14.37 ng

RT: 14.73 min Scan# 1211

Delta R.T. 0.03 min

Lab File: BF077426.D

Acq: 24 Feb 2015 20:15

Instrument :

BNA_F

ClientSampleId :

UB10PX4

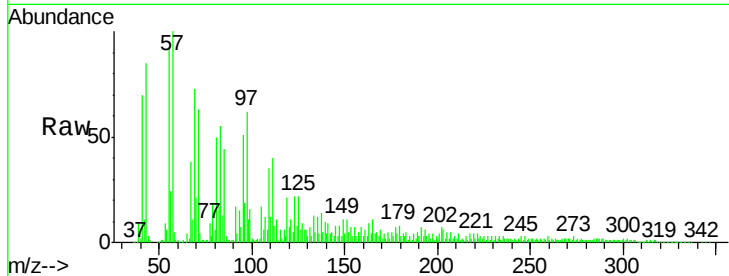
Tgt Ion:202 Resp: 88226

Ion Ratio Lower Upper

202 100

200 35.0 17.1 25.7#

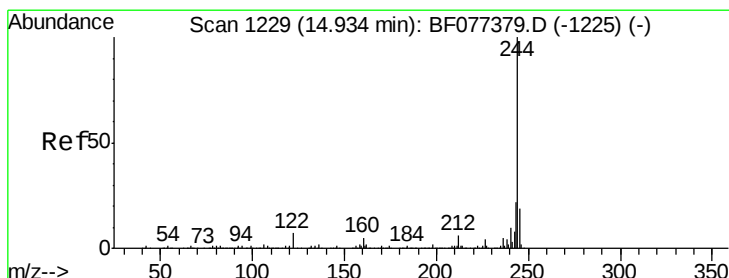
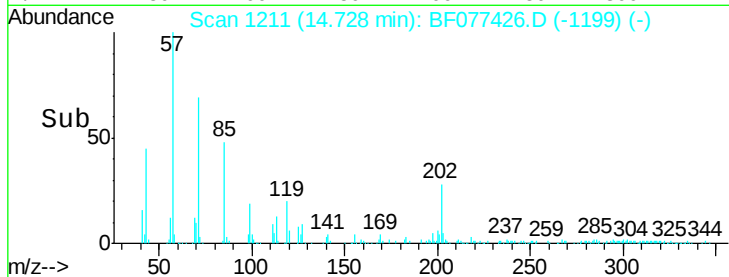
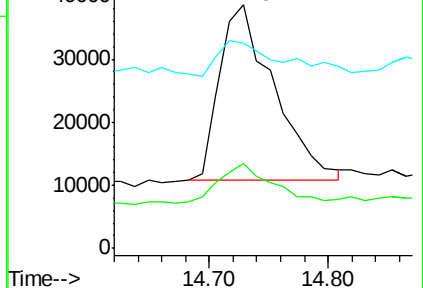
203 84.2 14.2 21.2#



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: 76.72 ng

RT: 14.95 min Scan# 1230

Delta R.T. 0.05 min

Lab File: BF077426.D

Acq: 24 Feb 2015 20:15

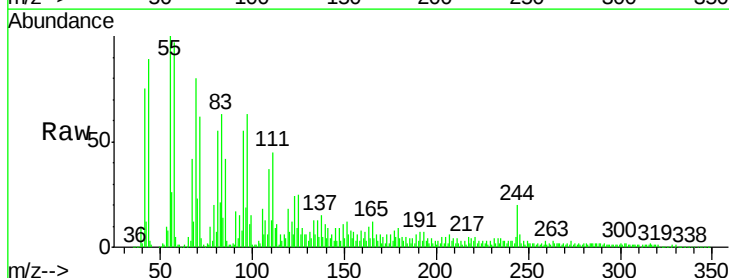
Tgt Ion:244 Resp: 329274

Ion Ratio Lower Upper

244 100

212 11.0 5.2 7.8#

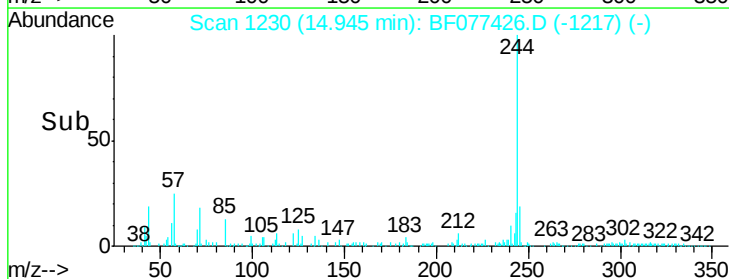
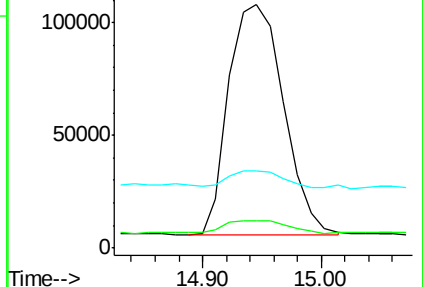
122 31.5 7.8 11.8#

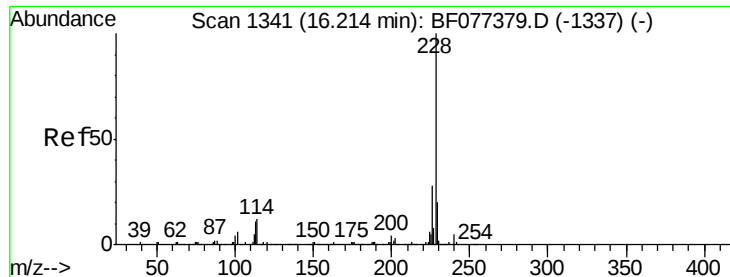


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 9.43 ng

RT: 16.28 min Scan# 1347

Delta R.T. 0.08 min

Lab File: BF077426.D

Acq: 24 Feb 2015 20:15

Instrument :

BNA_F

ClientSampleId :

UB10PX4

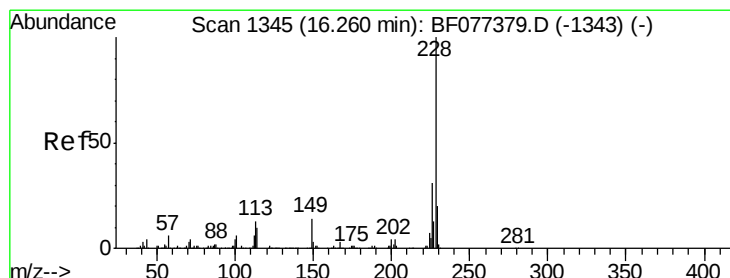
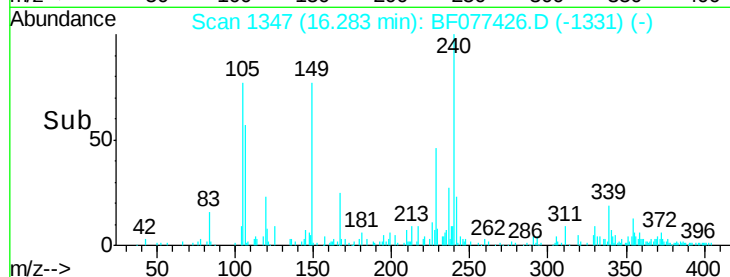
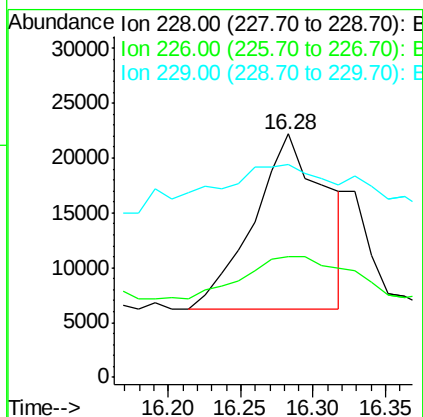
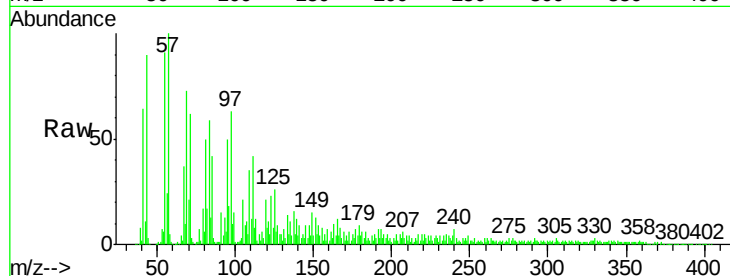
Tgt Ion:228 Resp: 55449

Ion Ratio Lower Upper

228 100

226 49.5 22.0 33.0#

229 87.5 15.8 23.8#



#82

Chrysene

Concen: 10.51 ng

RT: 16.28 min Scan# 1347

Delta R.T. 0.02 min

Lab File: BF077426.D

Acq: 24 Feb 2015 20:15

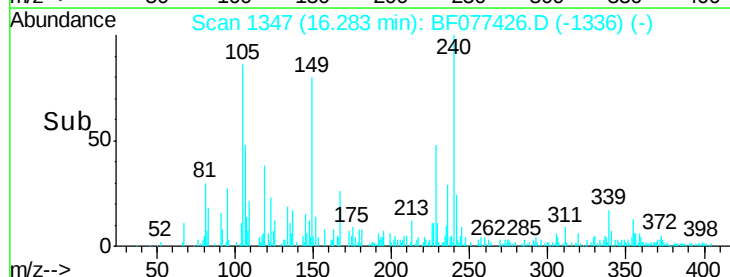
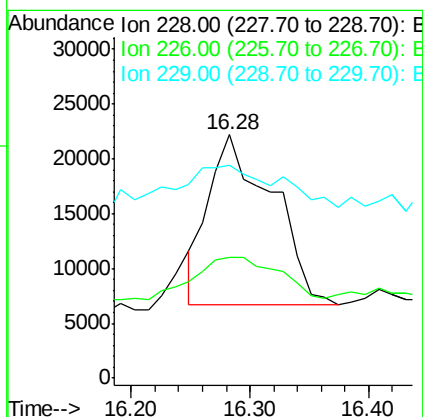
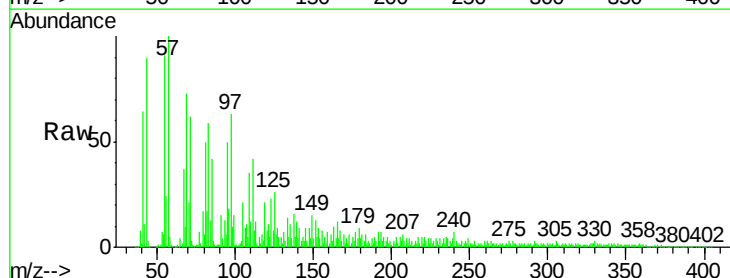
Tgt Ion:228 Resp: 58010

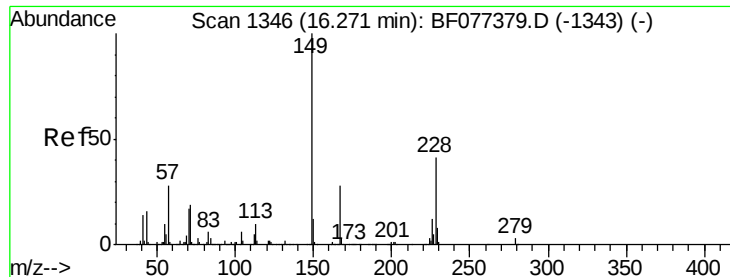
Ion Ratio Lower Upper

228 100

226 49.5 24.9 37.3#

229 87.5 16.4 24.6#

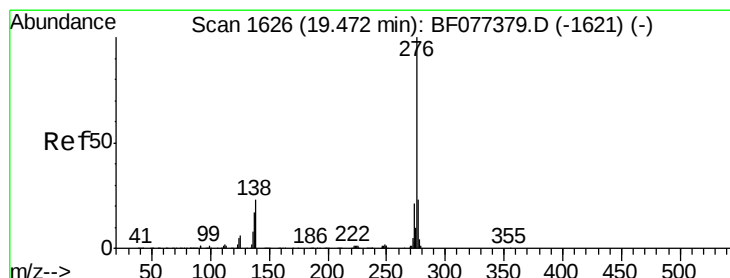
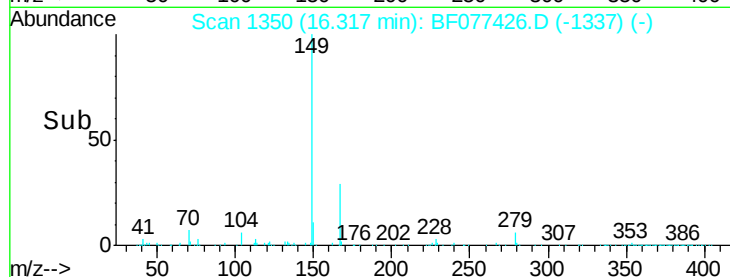
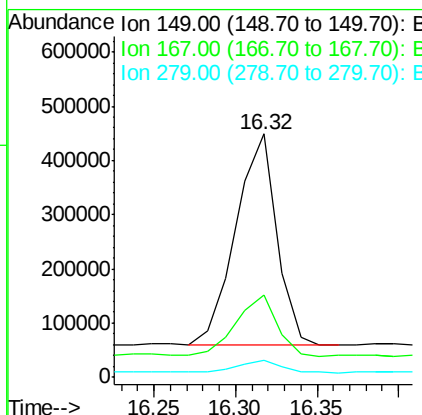
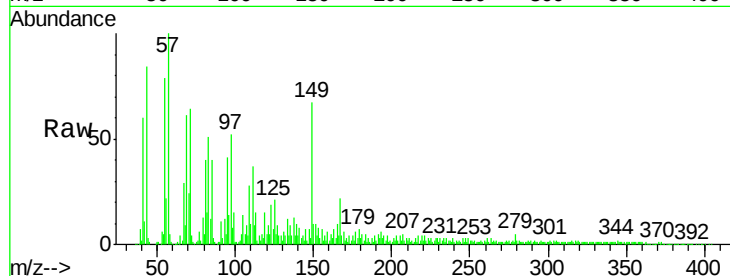




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 167.64 ng
 RT: 16.32 min Scan# 1350
 Delta R.T. 0.05 min
 Lab File: BF077426.D
 Acq: 24 Feb 2015 20:15

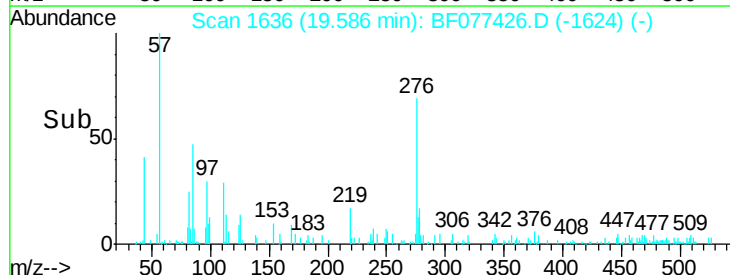
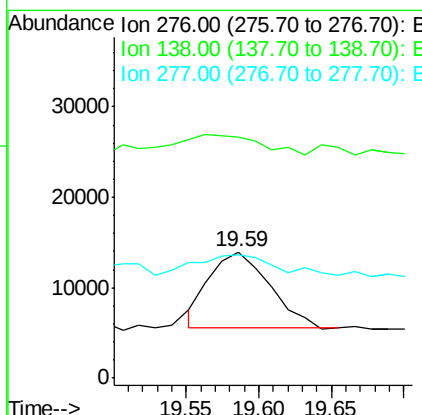
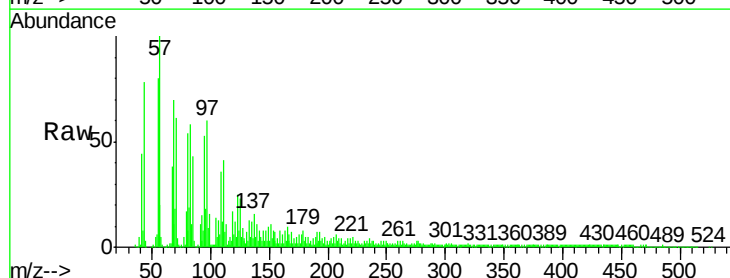
Instrument :
 BNA_F
 ClientSampleId :
 UB10PX4

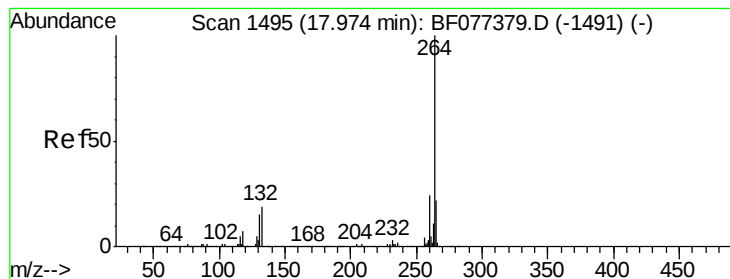
Tgt Ion:149 Resp: 678827
 Ion Ratio Lower Upper
 149 100
 167 33.7 22.8 34.2
 279 6.9 3.8 5.6#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.82 ng
 RT: 19.59 min Scan# 1636
 Delta R.T. 0.03 min
 Lab File: BF077426.D
 Acq: 24 Feb 2015 20:15

Tgt Ion:276 Resp: 24028
 Ion Ratio Lower Upper
 276 100
 138 0.0 21.2 31.8#
 277 29.9 20.0 30.0





#86

Perylene-d12

Concen: 20.00 ng

RT: 18.04 min Scan# 1501

Delta R.T. -0.01 min

Lab File: BF077426.D

Acq: 24 Feb 2015 20:15

Instrument :

BNA_F

ClientSampleId :

UB10PX4

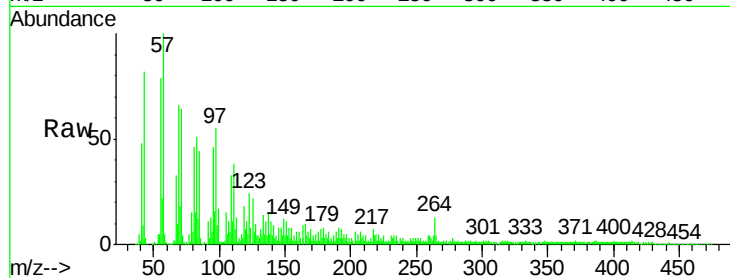
Tgt Ion: 264 Resp: 102863

Ion Ratio Lower Upper

264 100

260 30.9 19.3 28.9#

265 32.9 16.8 25.2#



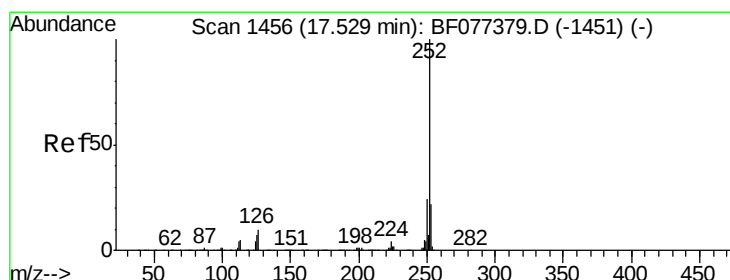
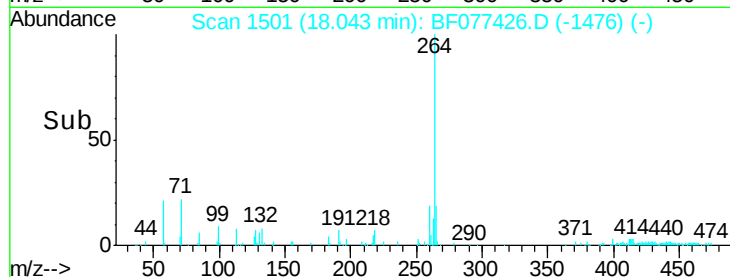
Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

18.04

Time--> 17.90 18.00 18.10 18.20



#87

Benzo(b)fluoranthene

Concen: 8.88 ng

RT: 17.59 min Scan# 1461

Delta R.T. 0.00 min

Lab File: BF077426.D

Acq: 24 Feb 2015 20:15

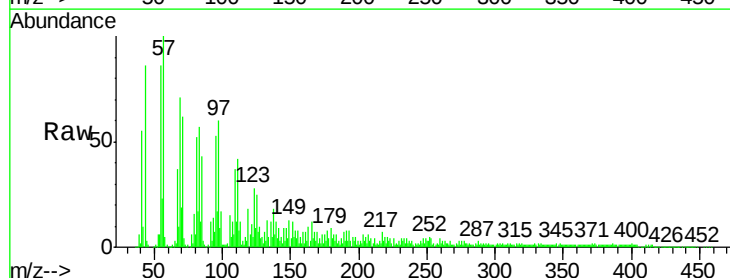
Tgt Ion: 252 Resp: 53141

Ion Ratio Lower Upper

252 100

253 81.2 17.6 26.4#

125 502.2 5.4 8.2#



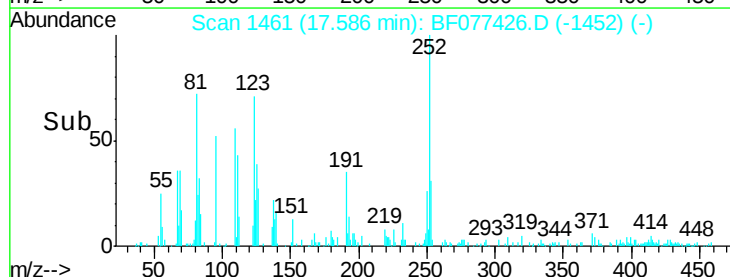
Abundance Ion 252.00 (251.70 to 252.70): E

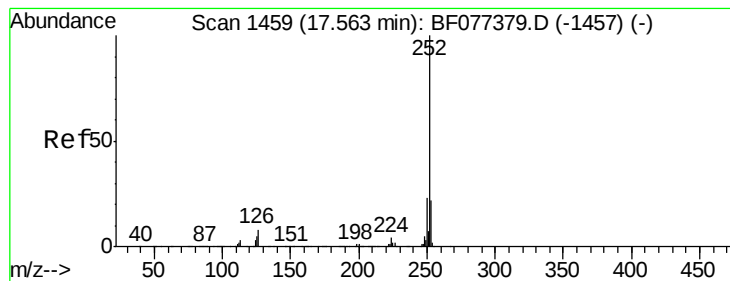
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

17.59

Time--> 17.50 17.60





#88

Benzo(k)fluoranthene

Concen: 8.93 ng

RT: 17.59 min Scan# 1461

Delta R.T. -0.03 min

Lab File: BF077426.D

Acq: 24 Feb 2015 20:15

Instrument :

BNA_F

ClientSampleId :

UB10PX4

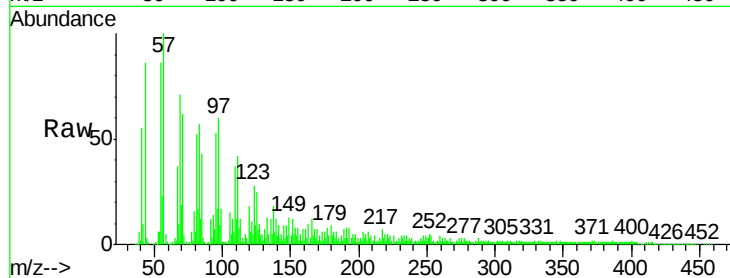
Tgt Ion:252 Resp: 52348

Ion Ratio Lower Upper

252 100

253 81.2 18.1 27.1#

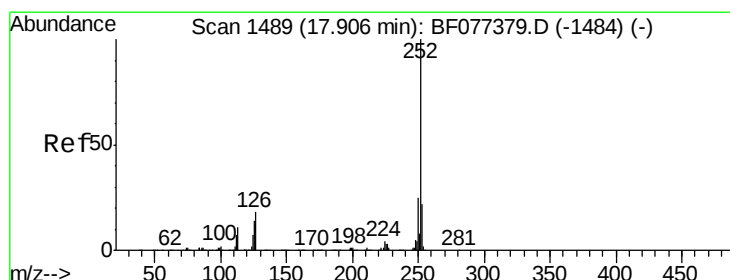
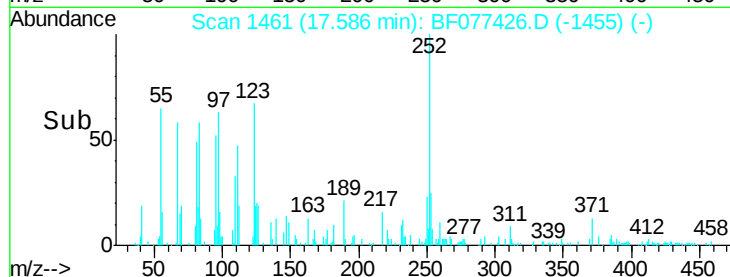
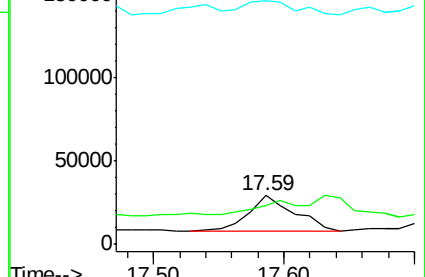
125 502.2 10.1 15.1#



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: 4.64 ng

RT: 17.97 min Scan# 1495

Delta R.T. -0.01 min

Lab File: BF077426.D

Acq: 24 Feb 2015 20:15

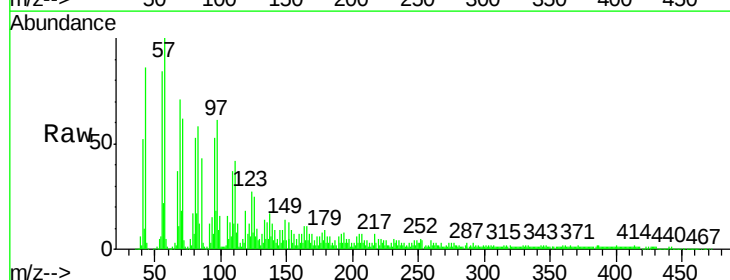
Tgt Ion:252 Resp: 26444

Ion Ratio Lower Upper

252 100

253 74.5 18.2 27.2#

125 510.3 8.3 12.5#



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

