

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022315\
 Data File : BF077404.D
 Acq On : 23 Feb 2015 14:44
 Operator : TP/IZ
 Sample : G1332-11
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HF-4

Quant Time: Feb 24 00:59:00 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 23 23:58:25 2015
 Response via : Initial Calibration

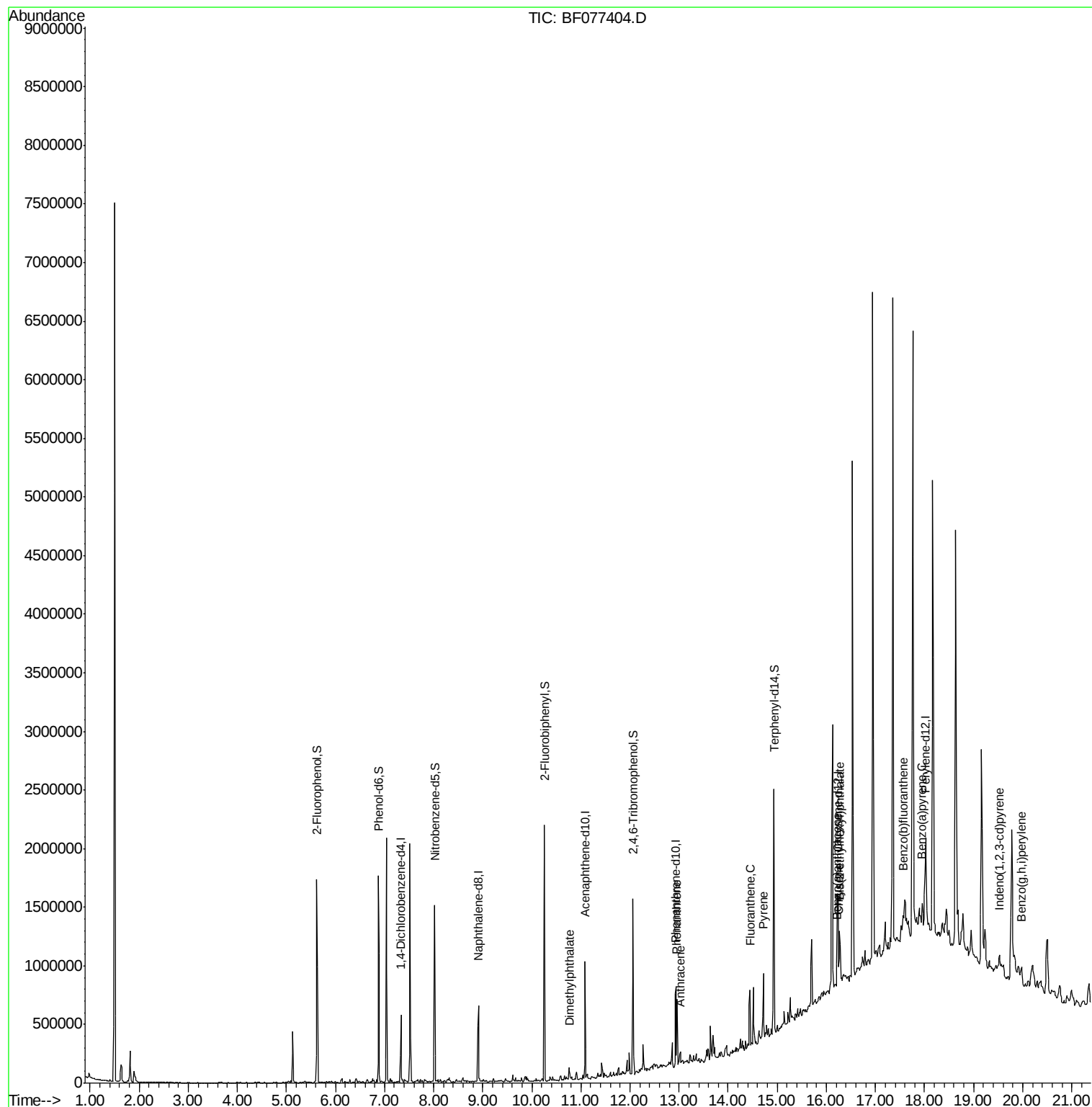
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.33	152	97675	20.00	ng	0.00
21) Naphthalene-d8	8.91	136	384756	20.00	ng	0.00
38) Acenaphthene-d10	11.08	164	198745	20.00	ng	-0.01
63) Phenanthrene-d10	12.93	188	370900	20.00	ng	0.00
75) Chrysene-d12	16.24	240	391499	20.00	ng	-0.02
86) Perylene-d12	18.02	264	379918	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	607677	103.86	ng	0.00
7) Phenol-d6	6.88	99	780990	103.82	ng	-0.01
23) Nitrobenzene-d5	8.02	82	452319	73.10	ng	-0.01
41) 2,4,6-Tribromophenol	12.06	330	201688	105.39	ng	0.00
44) 2-Fluorobiphenyl	10.26	172	1014456	79.59	ng	0.00
78) Terphenyl-d14	14.93	244	1085429	64.81	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	10.76	163	52260	3.74	ng	# 99
70) Phenanthrene	12.96	178	223433	10.39	ng	99
71) Anthracene	13.03	178	54071	2.53	ng	98
74) Fluoranthene	14.44	202	279401	11.90	ng	97
77) Pyrene	14.72	202	246805	10.31	ng	97
80) Benzo(a)anthracene	16.21	228	90010	3.92	ng	# 80
82) Chrysene	16.26	228	117105	5.44	ng	# 93
83) Bis(2-ethylhexyl)phthalate	16.28	149	165451	10.47	ng	99
85) Indeno(1,2,3-cd)pyrene	19.53	276	56028m	2.28	ng	
87) Benzo(b)fluoranthene	17.56	252	146206m	6.62	ng	
89) Benzo(a)pyrene	17.95	252	79858	3.80	ng	# 66
91) Benzo(a,h,i)perylene	19.97	276	65088	3.21	ng	# 92

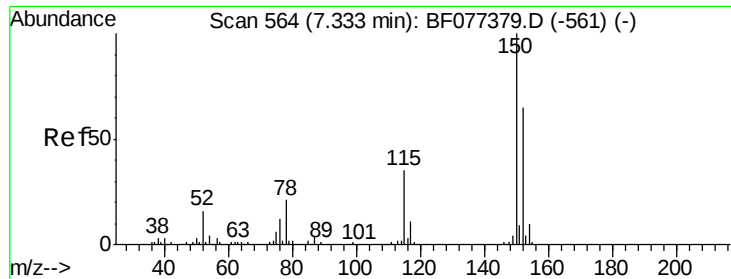
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022315\
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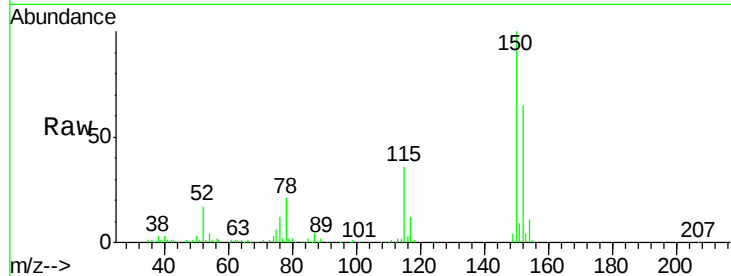


#1

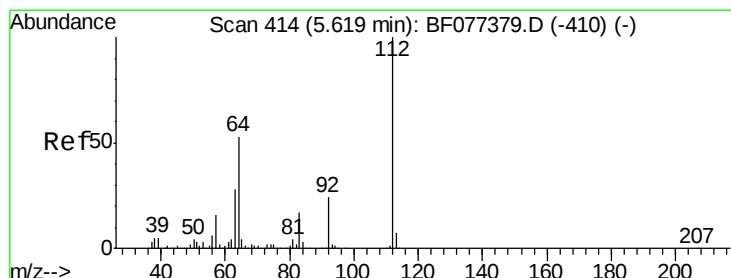
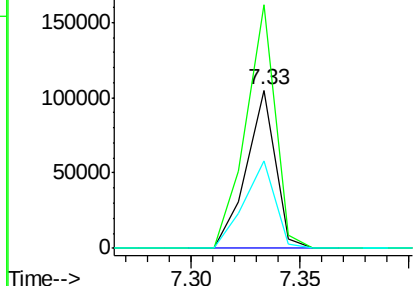
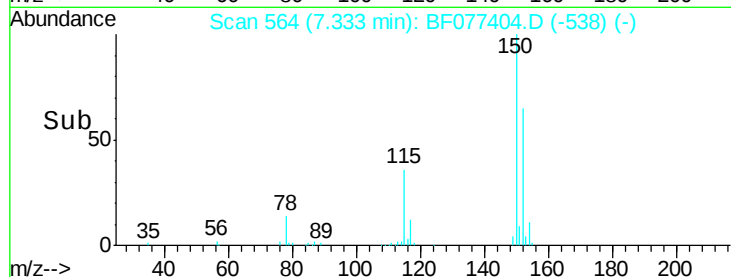
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.33 min Scan# 564
Delta R.T. -0.00 min
Lab File: BF077404.D
Acq: 23 Feb 2015 14:44

Instrument :
BNA_F
ClientSampleId :
HF-4

Tot Ion:152 Resp: 97675
Ion Ratio Lower Upper
152 100
150 153.8 124.0 186.0
115 55.4 49.4 74.2



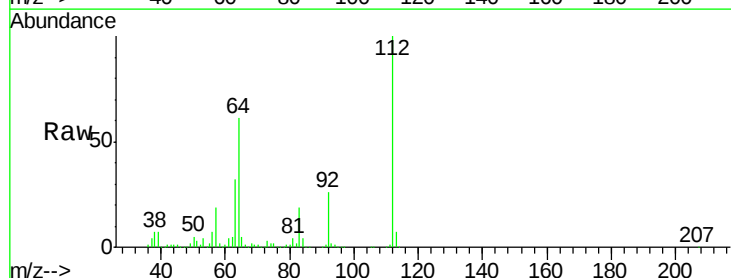
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



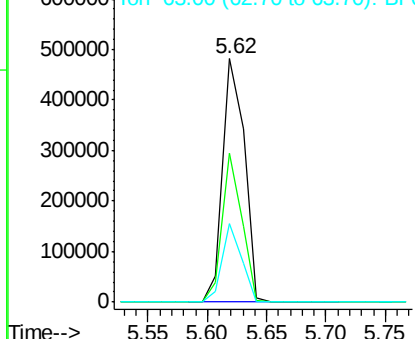
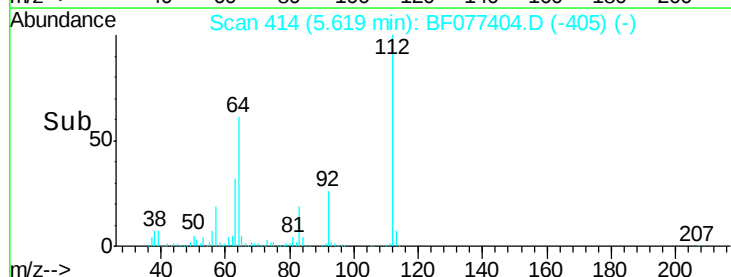
#5

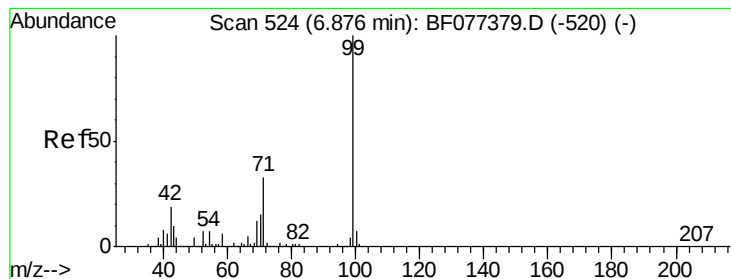
2-Fluorophenol
Concen: 103.86 ng
RT: 5.62 min Scan# 414
Delta R.T. -0.00 min
Lab File: BF077404.D
Acq: 23 Feb 2015 14:44

Tgt Ion:112 Resp: 607677
Ion Ratio Lower Upper
112 100
64 61.4 48.5 72.7
63 32.1 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: 103.82 ng

RT: 6.88 min Scan# 524

Delta R.T. -0.01 min

Lab File: BF077404.D

Acq: 23 Feb 2015 14:44

Instrument :

BNA_F

ClientSampleId :

HF-4

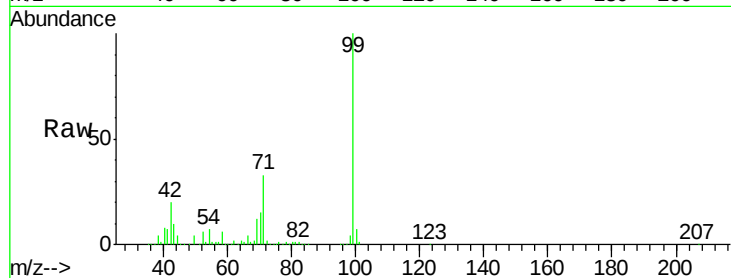
Tot Ion: 99 Resp: 780990

Ion Ratio Lower Upper

99 100

42 20.0 16.2 24.4

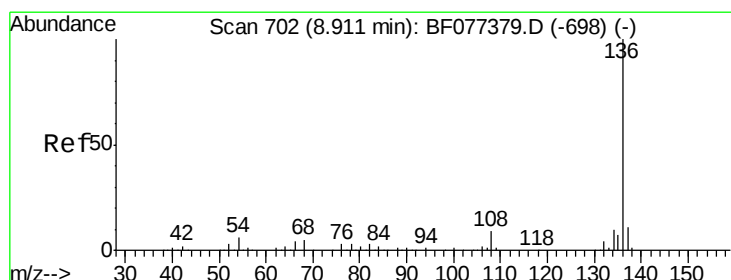
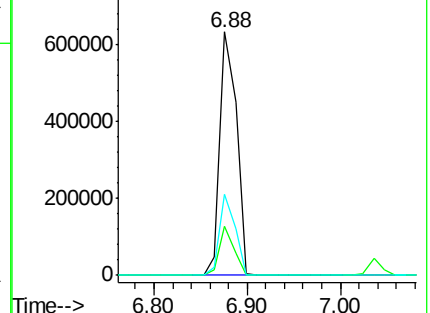
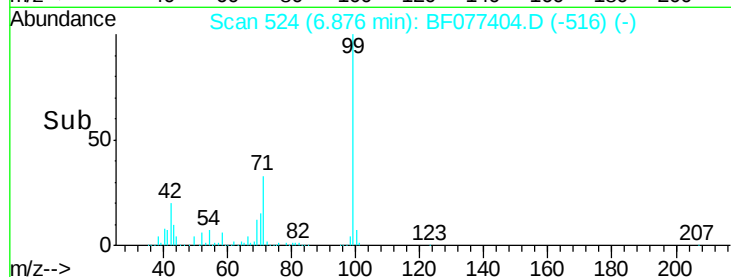
71 33.5 26.7 40.1



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.91 min Scan# 702

Delta R.T. -0.00 min

Lab File: BF077404.D

Acq: 23 Feb 2015 14:44

Tgt Ion: 136 Resp: 384756

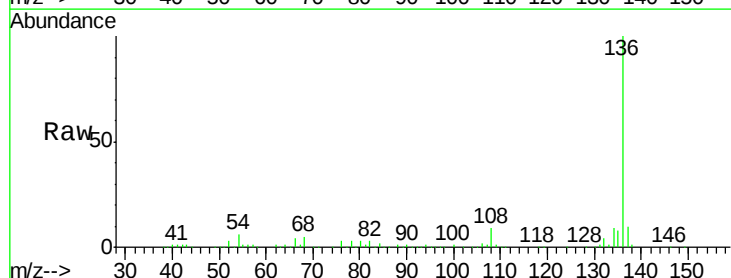
Ion Ratio Lower Upper

136 100

137 10.4 8.6 13.0

54 5.6 6.2 9.4#

68 4.5 5.0 7.6#

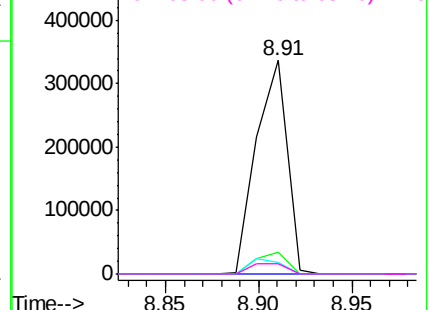
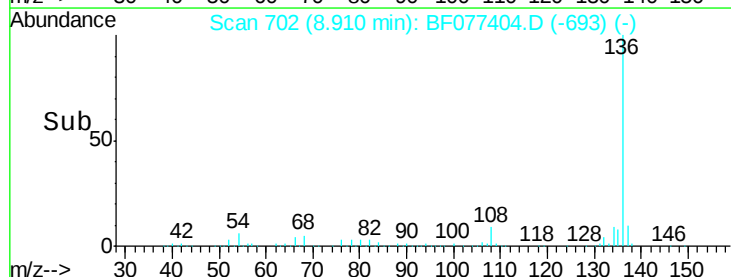


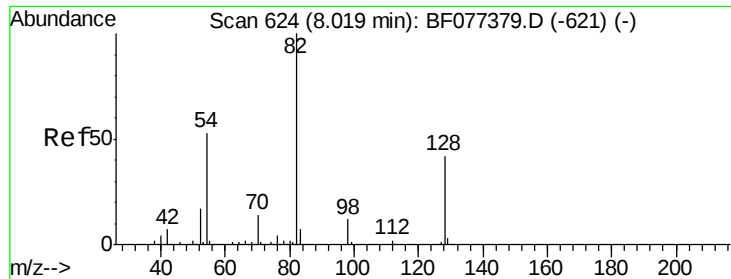
Abundance Ion 136.00 (135.70 to 136.70): E

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

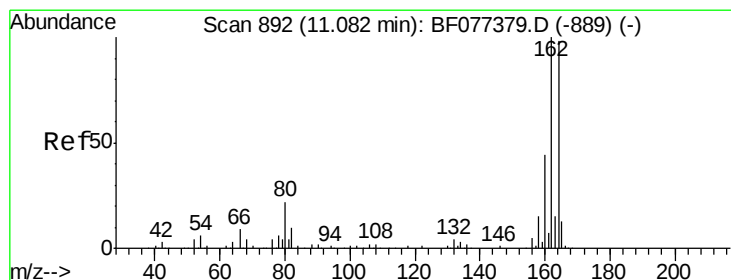
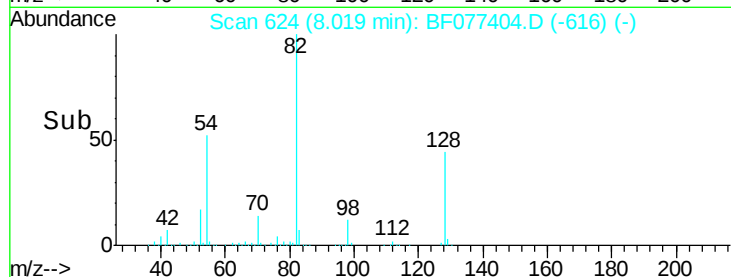
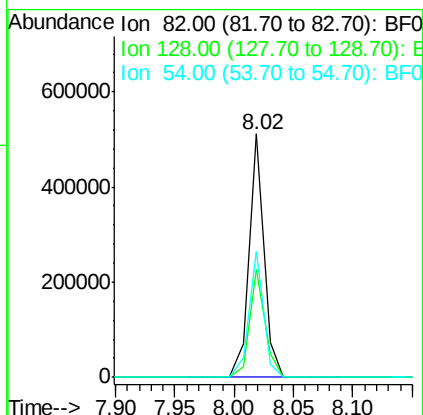
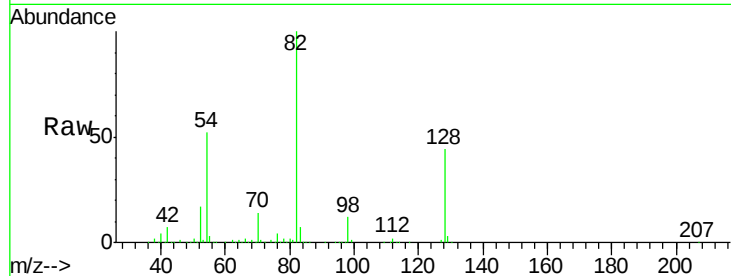




#23
 Nitrobenzene-d5
 Concen: 73.10 ng
 RT: 8.02 min Scan# 624
 Delta R.T. -0.01 min
 Lab File: BF077404.D
 Acq: 23 Feb 2015 14:44

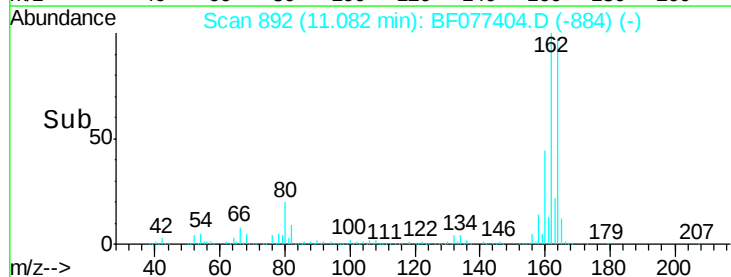
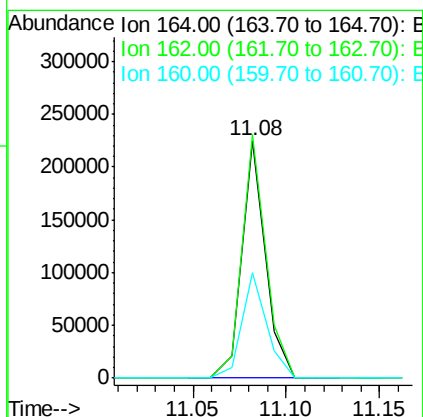
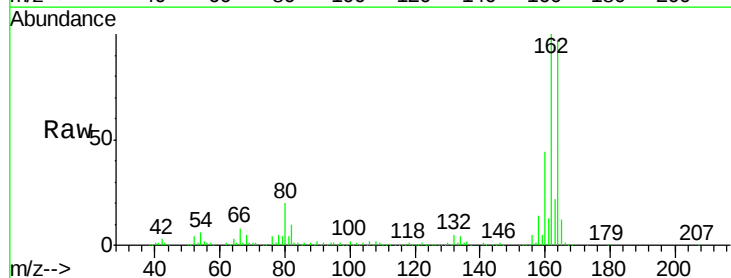
Instrument :
 BNA_F
 ClientSampleId :
 HF-4

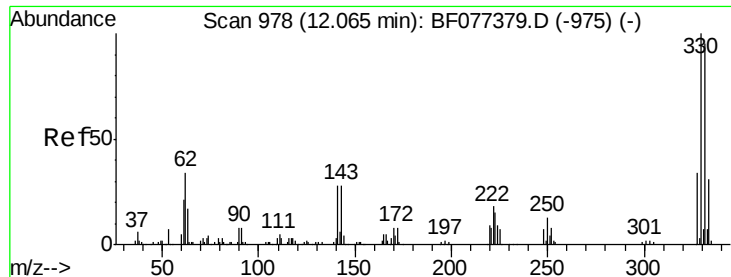
Tot Ion	82	Resp	452319
Ion Ratio	100	Lower	Upper
128	44.3	43.8	65.8
54	51.8	36.7	55.1



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.08 min Scan# 892
 Delta R.T. -0.01 min
 Lab File: BF077404.D
 Acq: 23 Feb 2015 14:44

Tgt Ion	164	Resp	198745
Ion Ratio	100	Lower	Upper
162	102.6	83.2	124.8
160	44.6	34.6	52.0

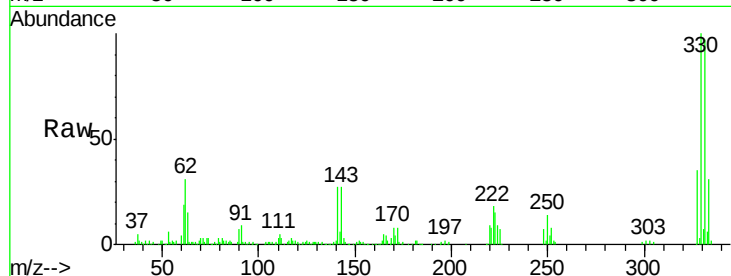




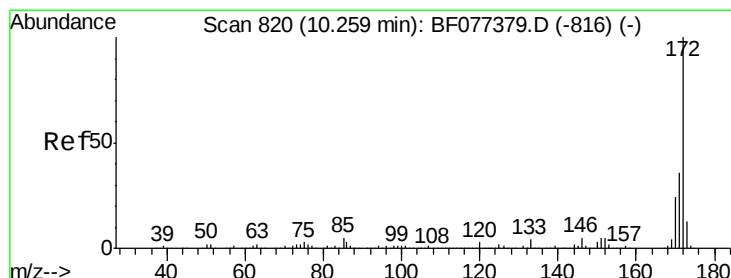
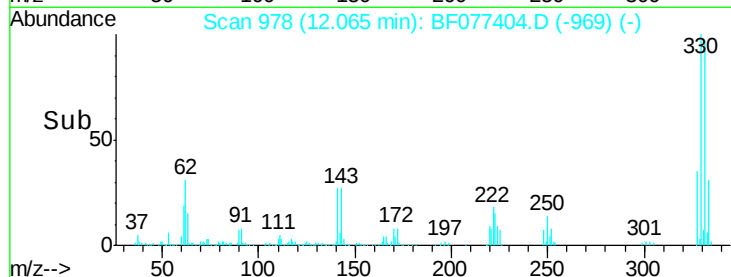
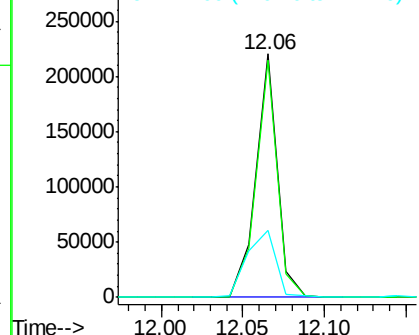
#41
 2,4,6-Tribromophenol
 Concen: 105.39 ng
 RT: 12.06 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: BF077404.D
 Acq: 23 Feb 2015 14:44

Instrument :
 BNA_F
 ClientSampleId :
 HF-4

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.4	116.2
141	35.9	28.8	43.2

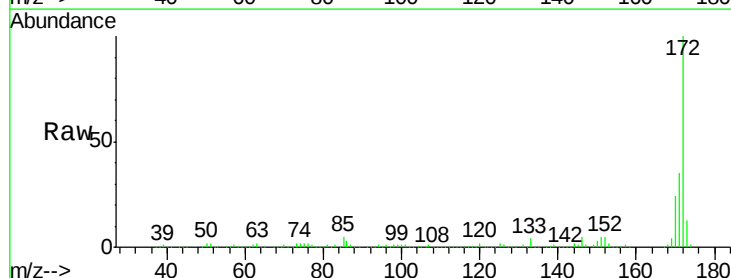


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

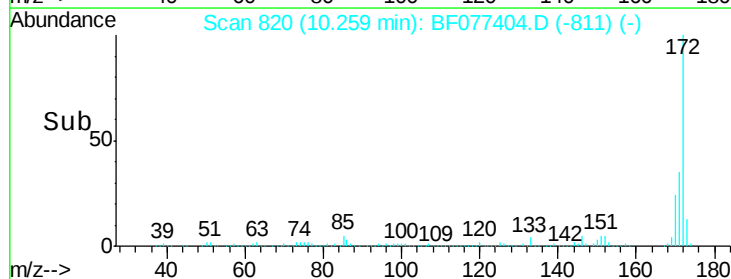
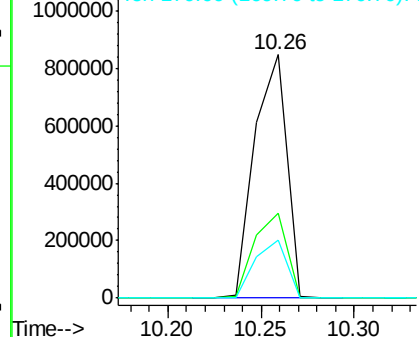


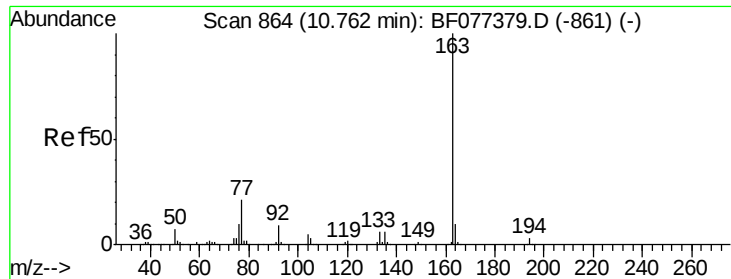
#44
 2-Fluorobiphenyl
 Concen: 79.59 ng
 RT: 10.26 min Scan# 820
 Delta R.T. -0.00 min
 Lab File: BF077404.D
 Acq: 23 Feb 2015 14:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.9	43.3
170	23.7	19.4	29.2



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

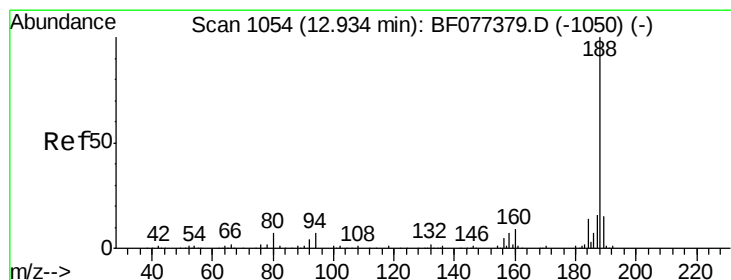
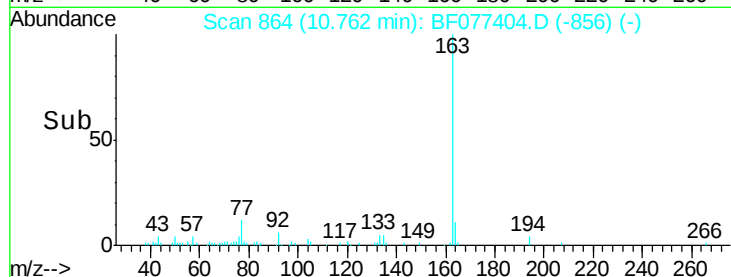
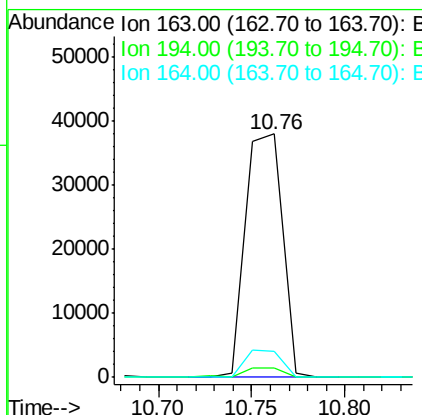
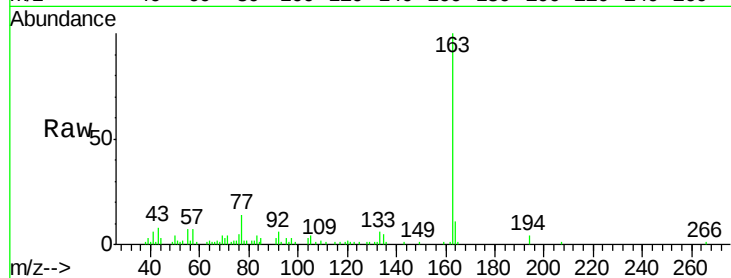




#49
Dimethylphthalate
Concen: 3.74 ng
RT: 10.76 min Scan# 864
Delta R.T. -0.01 min
Lab File: BF077404.D
Acq: 23 Feb 2015 14:44

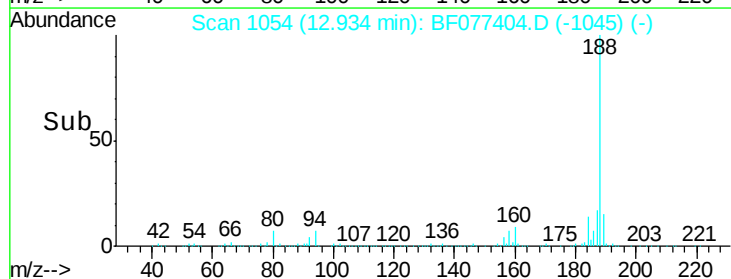
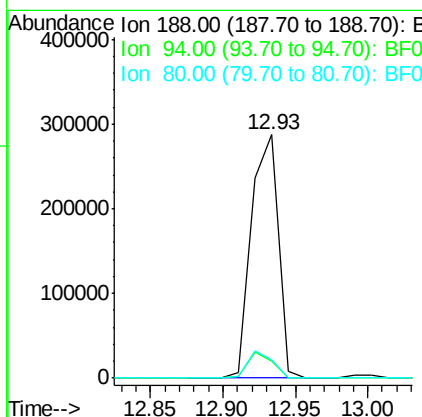
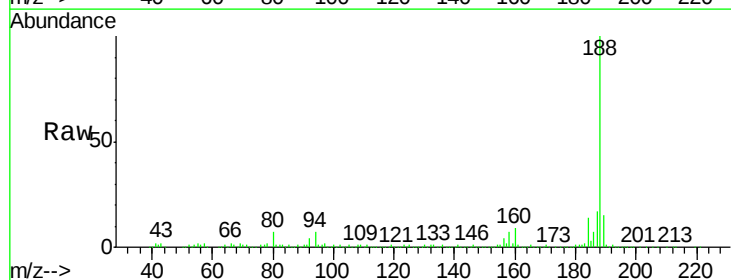
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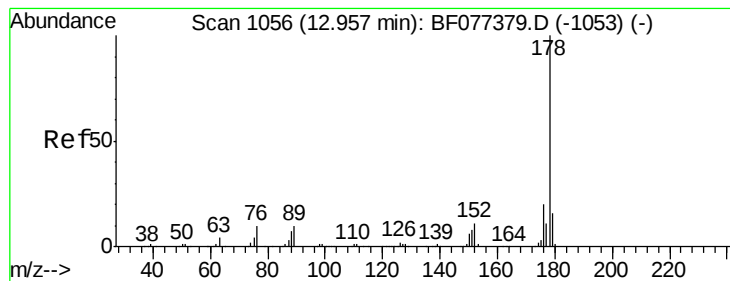
Tot Ion:163 Resp: 52260
Ion Ratio Lower Upper
163 100
194 4.0 2.6 4.0#
164 10.5 8.6 13.0



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.93 min Scan# 1054
Delta R.T. -0.00 min
Lab File: BF077404.D
Acq: 23 Feb 2015 14:44

Tgt Ion:188 Resp: 370900
Ion Ratio Lower Upper
188 100
94 7.1 7.4 11.2#
80 7.3 8.0 12.0#





#70

Phenanthrene

Concen: 10.39 ng

RT: 12.96 min Scan# 1056

Delta R.T. -0.01 min

Lab File: BF077404.D

Acq: 23 Feb 2015 14:44

Instrument :

BNA_F

ClientSampleId :

HF-4

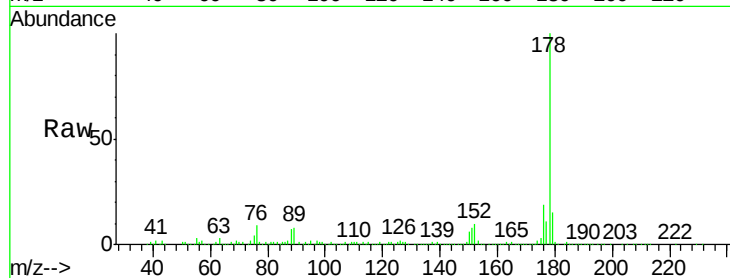
Tot Ion:178 Resp: 223433

Ion Ratio Lower Upper

178 100

176 19.0 15.5 23.3

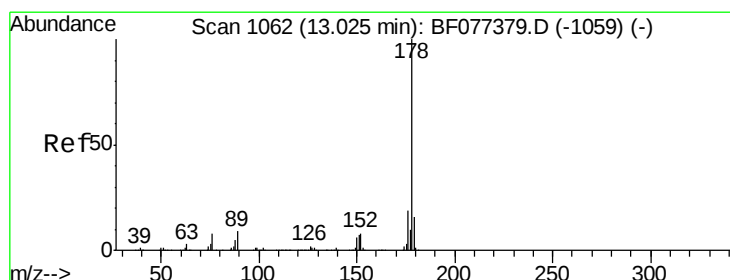
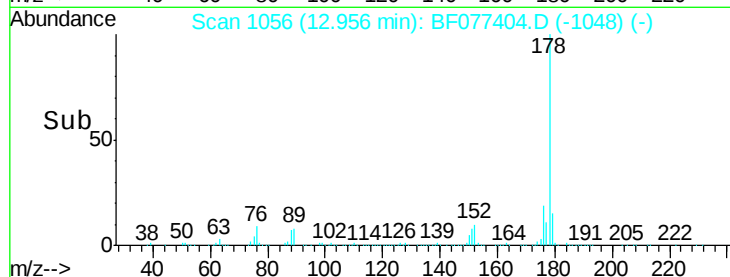
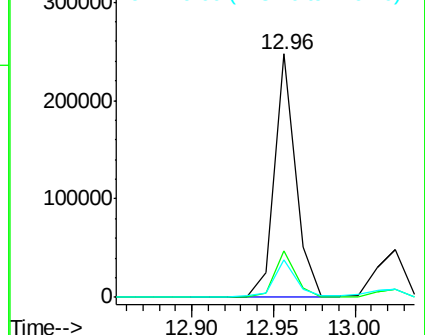
179 15.5 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 2.53 ng

RT: 13.03 min Scan# 1062

Delta R.T. -0.00 min

Lab File: BF077404.D

Acq: 23 Feb 2015 14:44

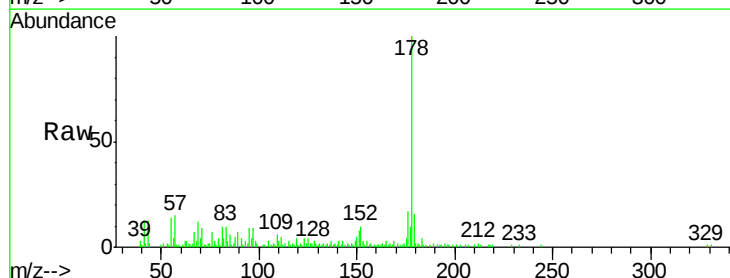
Tgt Ion:178 Resp: 54071

Ion Ratio Lower Upper

178 100

176 17.3 15.4 23.0

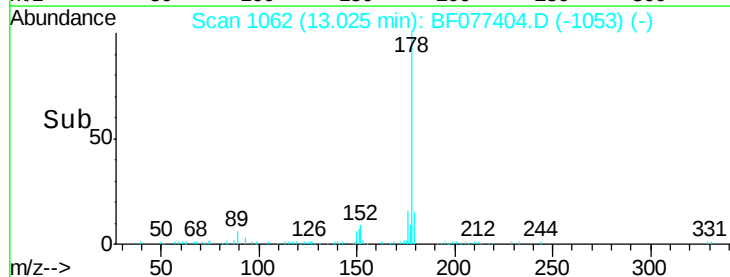
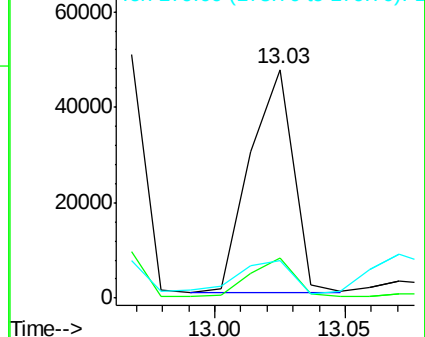
179 16.3 12.9 19.3

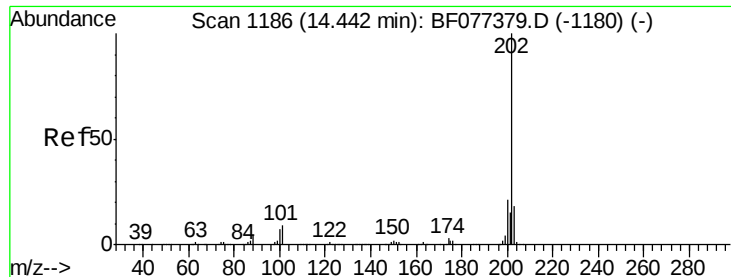


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 11.90 ng

RT: 14.44 min Scan# 1186

Delta R.T. -0.00 min

Lab File: BF077404.D

Acq: 23 Feb 2015 14:44

Instrument :

BNA_F

ClientSampleId :

HF-4

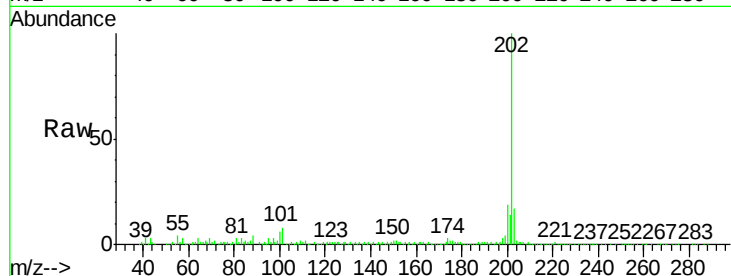
Tot Ion:202 Resp: 279401

Ion Ratio Lower Upper

202 100

101 8.3 0.0 30.8

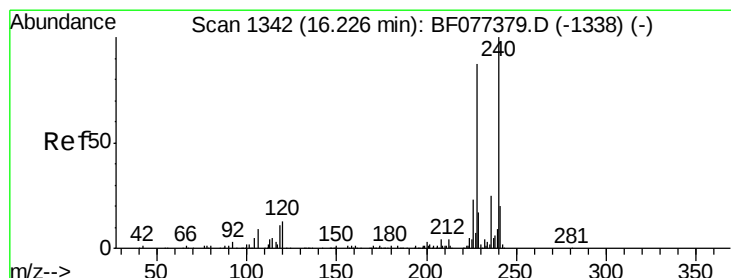
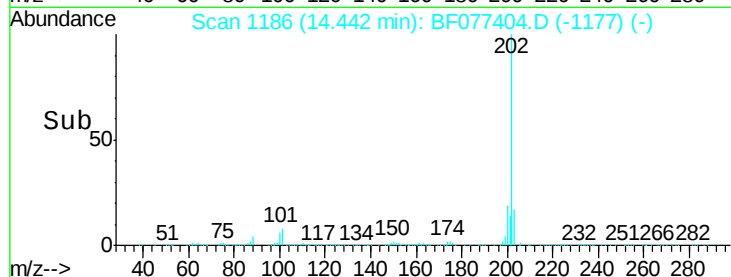
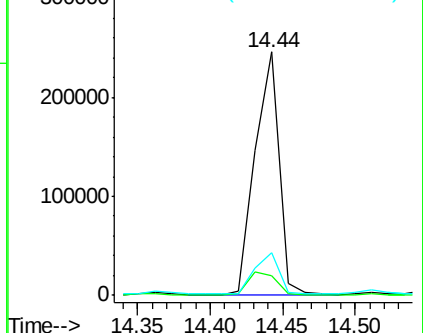
203 17.3 0.0 37.7



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: 16.24 min Scan# 1343

Delta R.T. -0.02 min

Lab File: BF077404.D

Acq: 23 Feb 2015 14:44

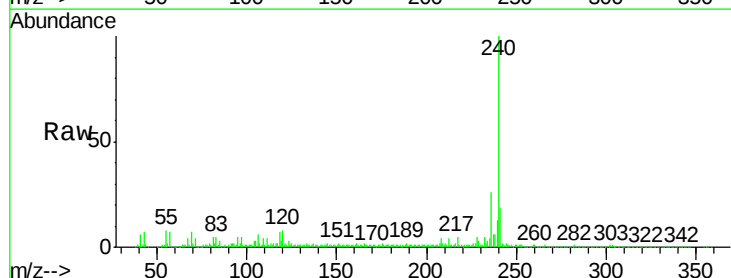
Tgt Ion:240 Resp: 391499

Ion Ratio Lower Upper

240 100

120 8.2 8.8 13.2#

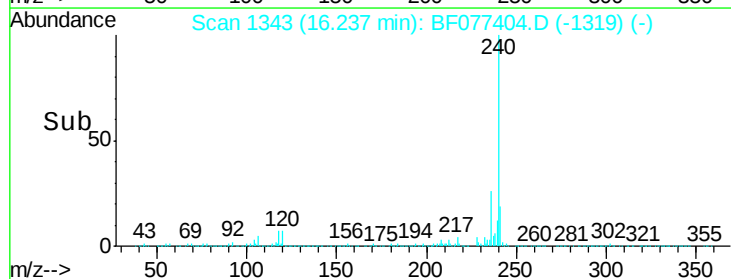
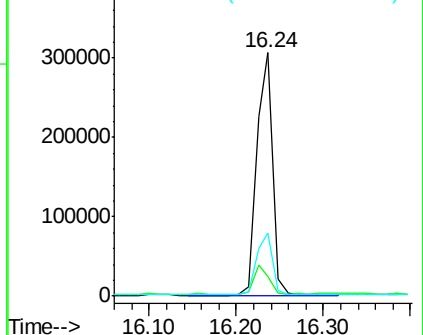
236 26.0 20.7 31.1

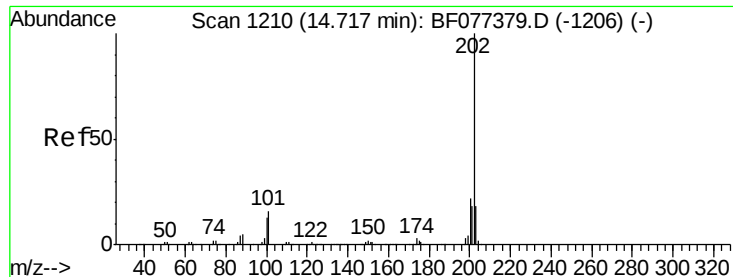


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

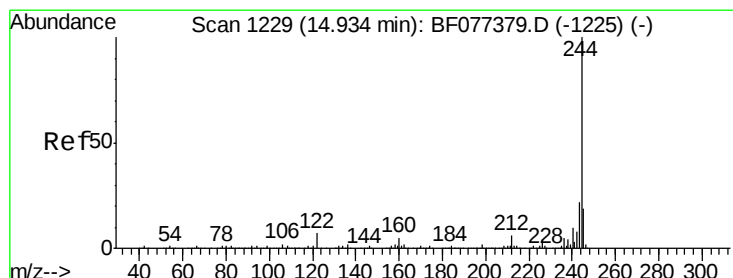
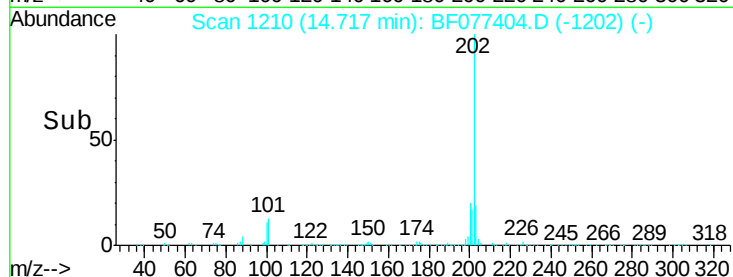
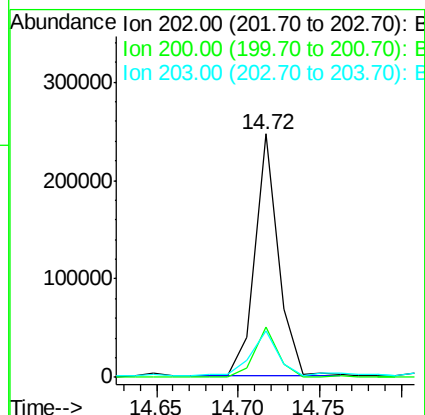
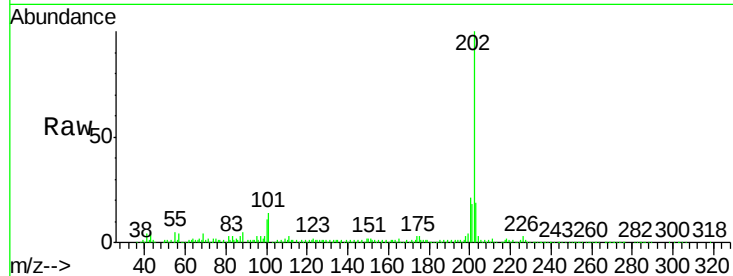




#77
Pvrene
Concen: 10.31 ng
RT: 14.72 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF077404.D
Acq: 23 Feb 2015 14:44

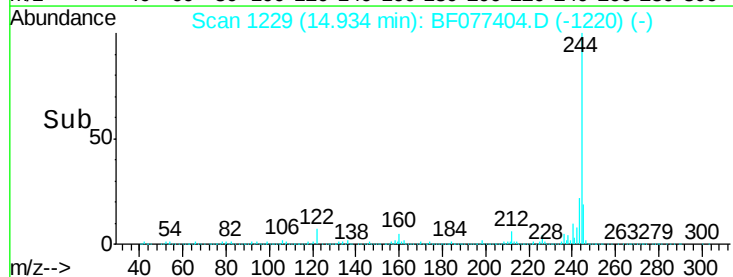
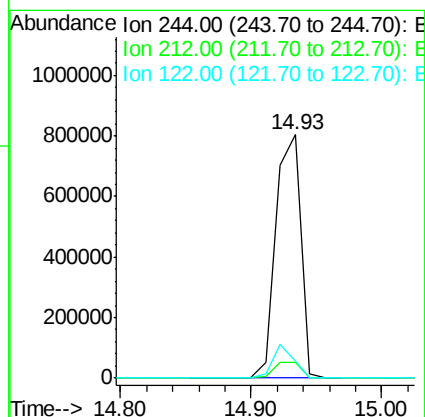
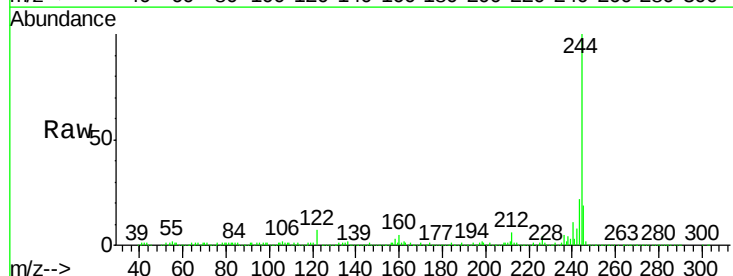
Instrument :
BNA_F
ClientSampleId :
HF-4

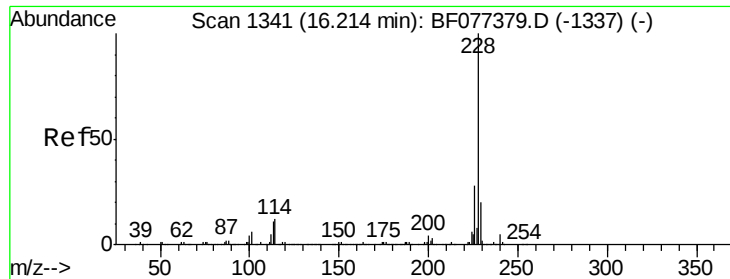
Tot Ion:202 Resp: 246805
Ion Ratio Lower Upper
202 100
200 20.7 17.1 25.7
203 19.3 14.2 21.2



#78
Terphenyl-d14
Concen: 64.81 ng
RT: 14.93 min Scan# 1229
Delta R.T. -0.00 min
Lab File: BF077404.D
Acq: 23 Feb 2015 14:44

Tgt Ion:244 Resp: 1085429
Ion Ratio Lower Upper
244 100
212 6.2 5.2 7.8
122 6.9 7.8 11.8#





#80

Benzo(a)anthracene

Concen: 3.92 ng

RT: 16.21 min Scan# 1341

Delta R.T. -0.03 min

Lab File: BF077404.D

Acq: 23 Feb 2015 14:44

Instrument :

BNA_F

ClientSampled :

HF-4

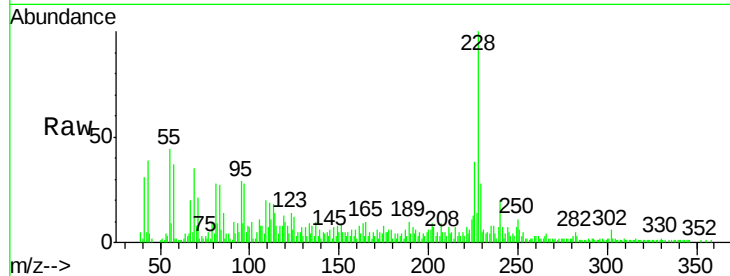
Tot Ion:228 Resp: 90010

Ion Ratio Lower Upper

228 100

226 38.0 22.0 33.0#

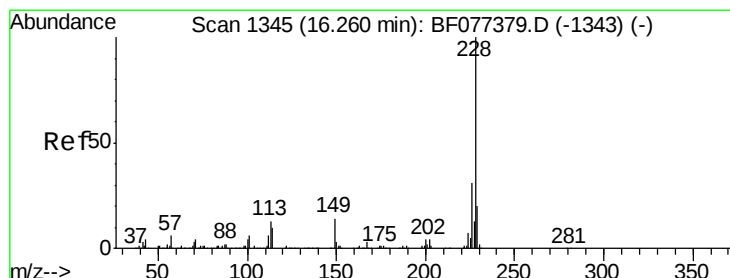
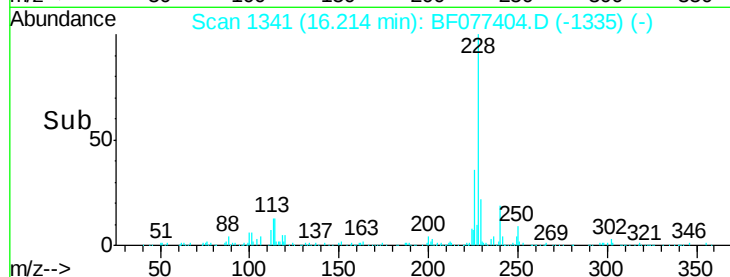
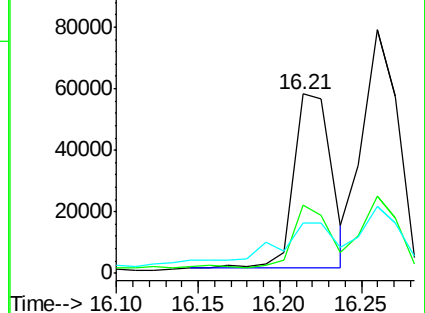
229 28.4 15.8 23.8#



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: 5.44 ng

RT: 16.26 min Scan# 1345

Delta R.T. -0.03 min

Lab File: BF077404.D

Acq: 23 Feb 2015 14:44

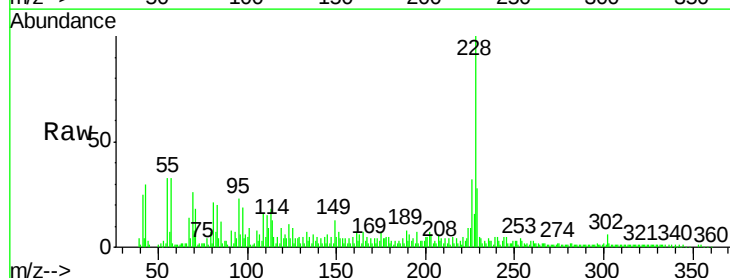
Tgt Ion:228 Resp: 117105

Ion Ratio Lower Upper

228 100

226 31.8 24.9 37.3

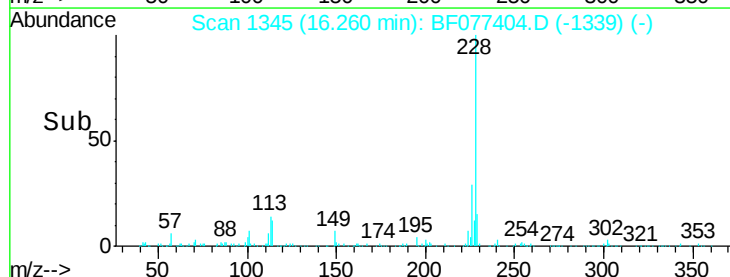
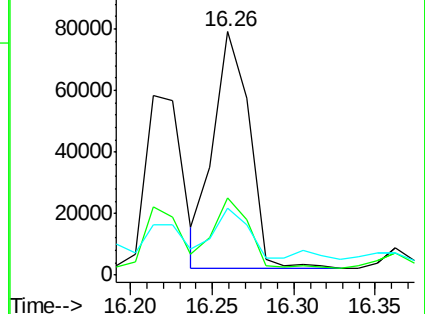
229 27.7 16.4 24.6#

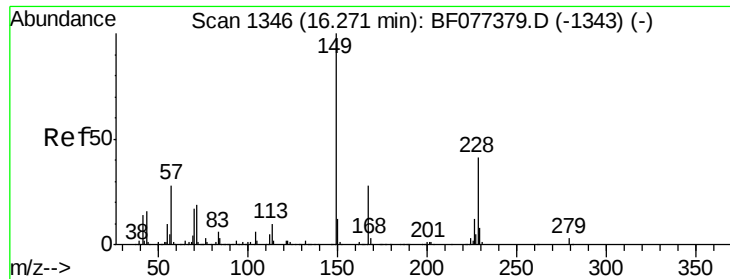


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

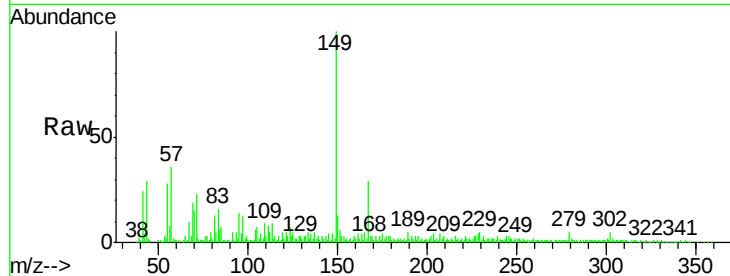




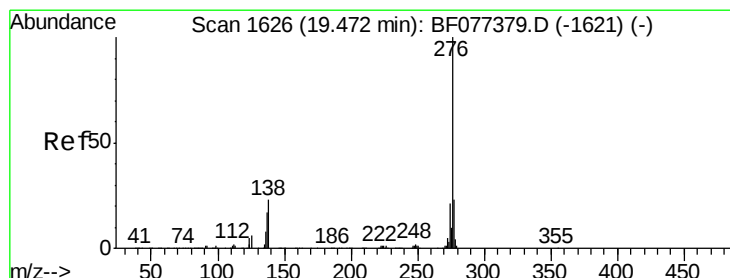
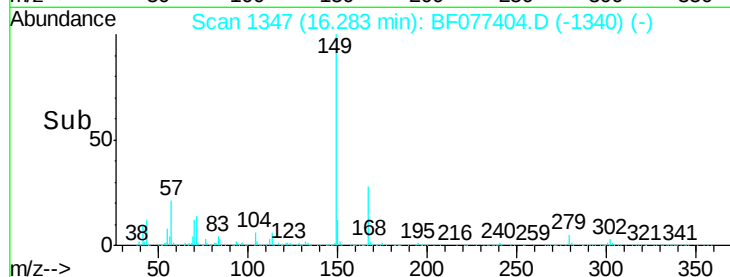
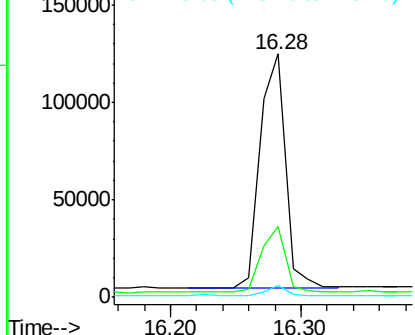
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 10.47 ng
 RT: 16.28 min Scan# 1347
 Delta R.T. -0.02 min
 Lab File: BF077404.D
 Acq: 23 Feb 2015 14:44

Instrument :
 BNA_F
 ClientSampleId :
 HF-4

Tot Ion:149 Resp: 165451
 Ion Ratio Lower Upper
 149 100
 167 28.9 22.8 34.2
 279 5.1 3.8 5.6

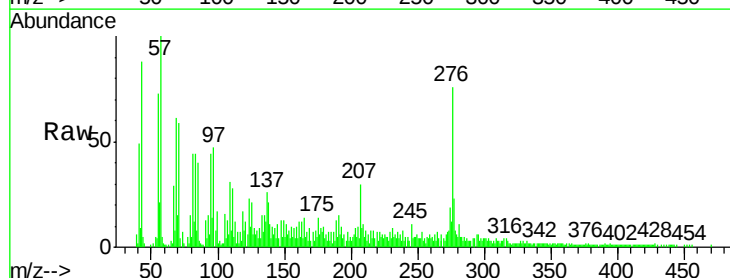


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

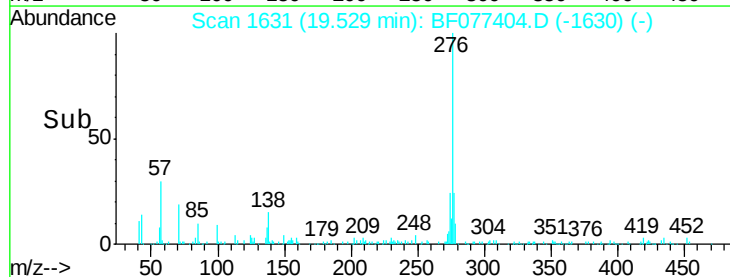
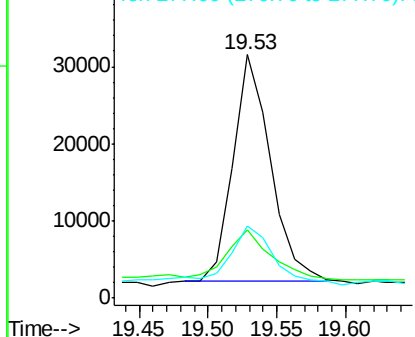


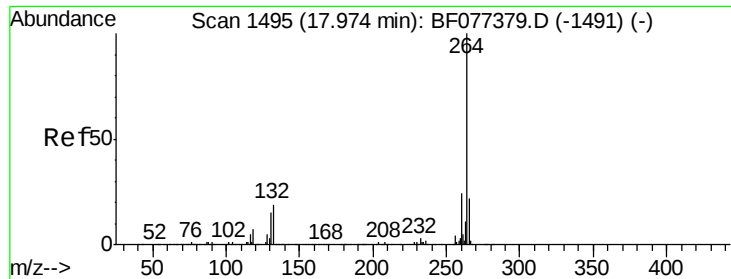
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.28 ng m
 RT: 19.53 min Scan# 1631
 Delta R.T. -0.09 min
 Lab File: BF077404.D
 Acq: 23 Feb 2015 14:44

Tgt Ion:276 Resp: 56028
 Ion Ratio Lower Upper
 276 100
 138 17.7 21.2 31.8#
 277 22.4 20.0 30.0



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

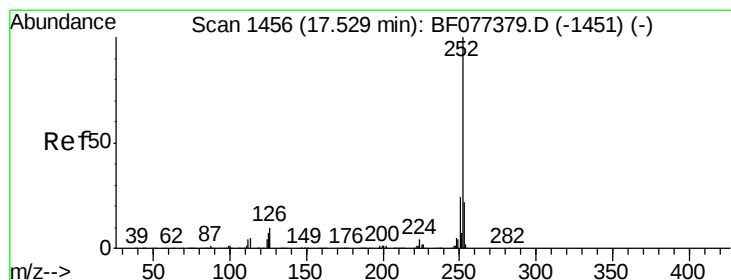
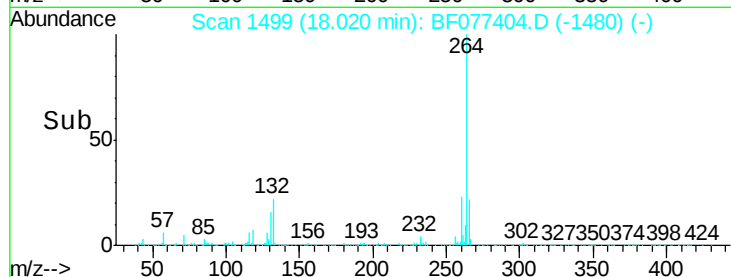
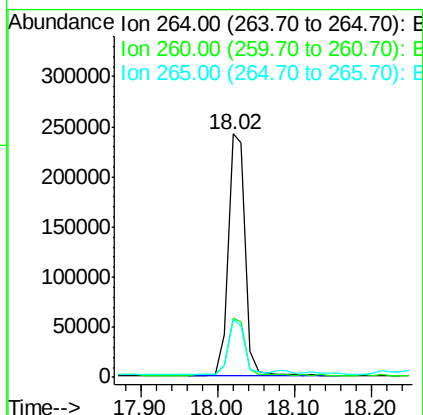
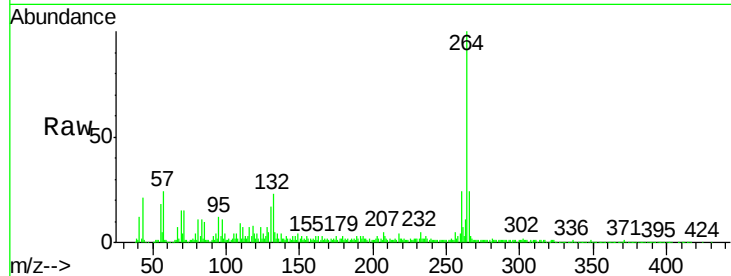




#86
Pervlene-d12
Concen: 20.00 ng
RT: 18.02 min Scan# 1499
Delta R.T. -0.08 min
Lab File: BF077404.D
Acq: 23 Feb 2015 14:44

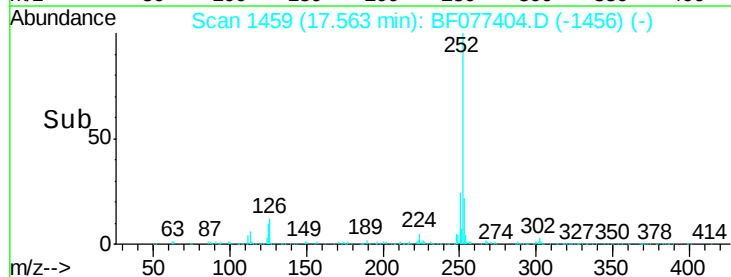
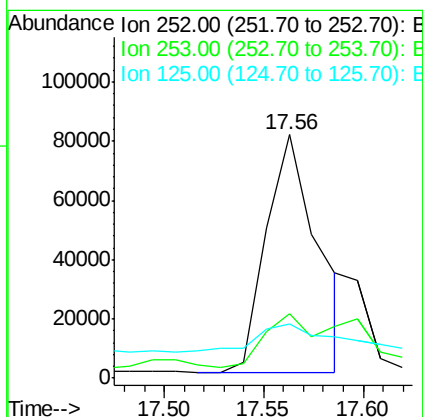
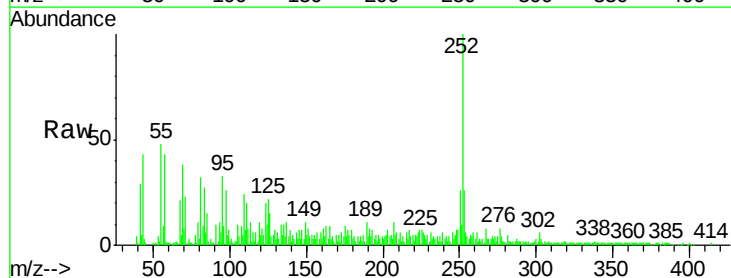
Instrument :
BNA_F
ClientSampleId :
HF-4

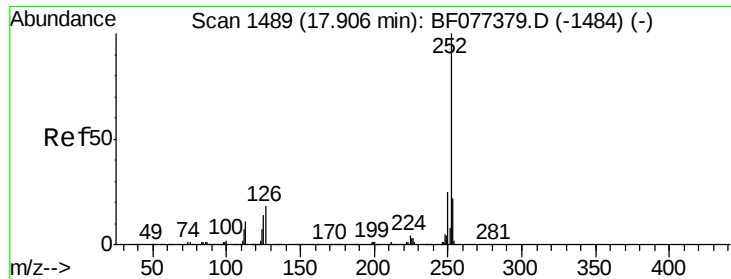
Tot Ion:264 Resp: 379918
Ion Ratio Lower Upper
264 100
260 24.3 19.3 28.9
265 23.6 16.8 25.2



#87
Benzo(b)fluoranthene
Concen: 6.62 ng m
RT: 17.56 min Scan# 1459
Delta R.T. -0.07 min
Lab File: BF077404.D
Acq: 23 Feb 2015 14:44

Tgt Ion:252 Resp: 146206
Ion Ratio Lower Upper
252 100
253 26.2 17.6 26.4
125 22.3 5.4 8.2#





#89

Benzo(a)pyrene

Concen: 3.80 ng

RT: 17.95 min Scan# 1493

Delta R.T. -0.09 min

Lab File: BF077404.D

Acq: 23 Feb 2015 14:44

Instrument :

BNA_F

ClientSampleId :

HF-4

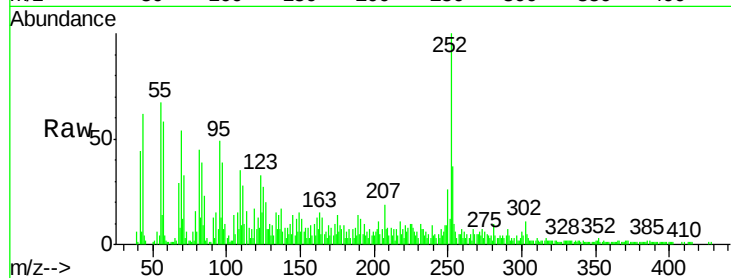
Tot Ion:252 Resp: 79858

Ion Ratio Lower Upper

252 100

253 36.8 18.2 27.2#

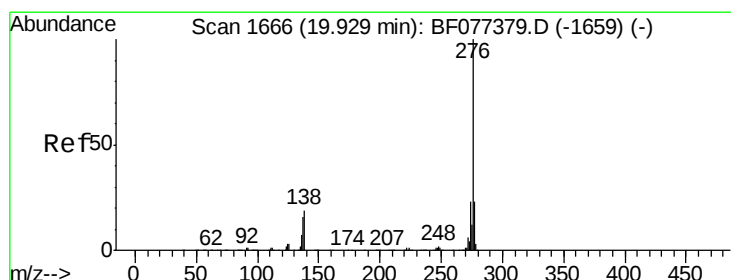
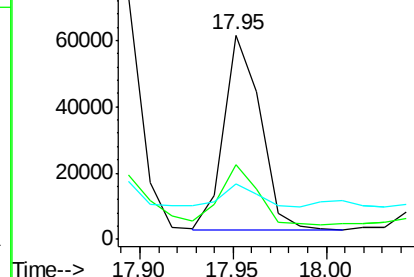
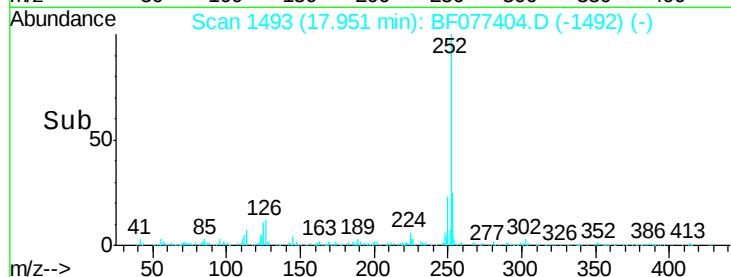
125 27.4 8.3 12.5#



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



#91

Benzo(g,h,i)perylene

Concen: 3.21 ng

RT: 19.97 min Scan# 1670

Delta R.T. -0.10 min

Lab File: BF077404.D

Acq: 23 Feb 2015 14:44

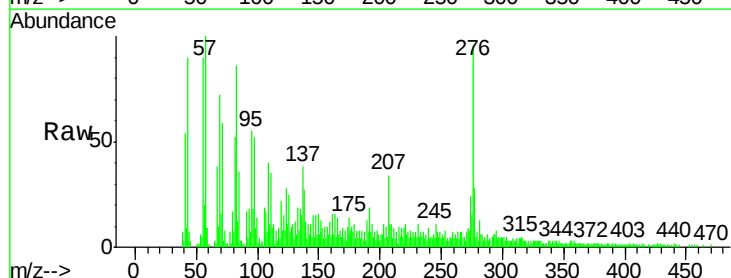
Tgt Ion:276 Resp: 65088

Ion Ratio Lower Upper

276 100

277 29.2 18.9 28.3#

138 28.3 20.5 30.7



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

