

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
 Data File : BF079646.D
 Acq On : 31 May 2015 21:31
 Operator : TP/IZ
 Sample : G2408-15
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-19D

Quant Time: Jun 01 05:25:15 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 01 04:06:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	60233	20.00	ng	0.00
21) Naphthalene-d8	8.48	136	252381	20.00	ng	0.00
38) Acenaphthene-d10	10.65	164	127312	20.00	ng	0.00
63) Phenanthrene-d10	12.48	188	249059	20.00	ng	0.00
75) Chrysene-d12	15.75	240	260015	20.00	ng	0.00
86) Perylene-d12	17.44	264	268912	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	382220	110.06	ng	0.01
7) Phenol-d6	6.50	99	502773	113.59	ng	0.00
23) Nitrobenzene-d5	7.61	82	288469	66.07	ng	0.00
41) 2,4,6-Tribromophenol	11.63	330	162129	115.94	ng	0.00
44) 2-Fluorobiphenyl	9.84	172	567812	63.63	ng	0.01
78) Terphenyl-d14	14.48	244	676903	61.10	ng	0.01

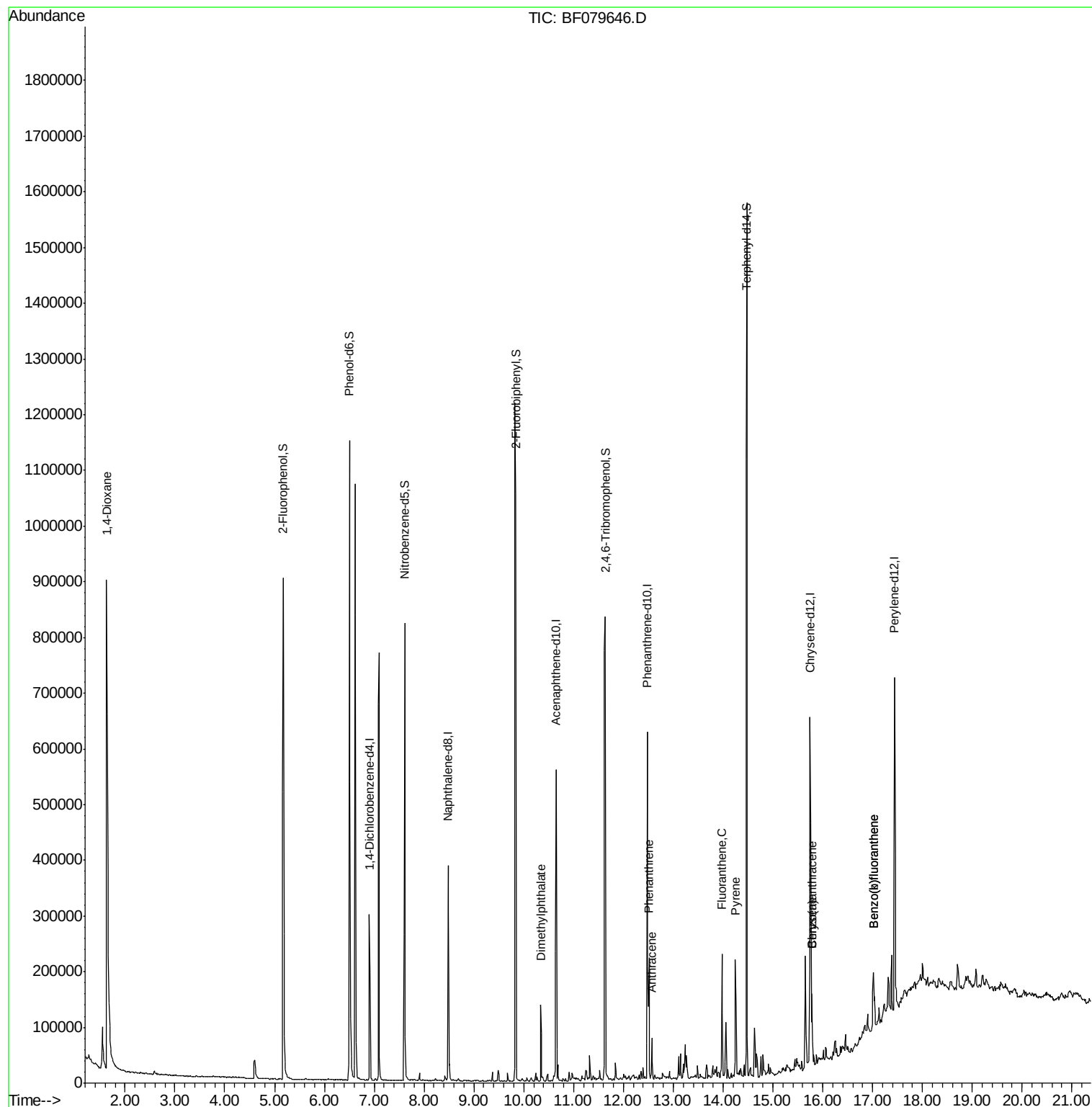
Target Compounds						Qvalue
2) 1,4-Dioxane	1.63	88	42562	25.76	ng	# 100
49) Dimethylphthalate	10.34	163	73437	7.83	ng	99
70) Phenanthrene	12.51	178	104815	7.67	ng	98
71) Anthracene	12.57	178	34539	2.49	ng	98
73) Di-n-butylphthalate	13.25	149	669	Below Cal	#	78
74) Fluoranthene	13.98	202	111295	7.60	ng	95
77) Pyrene	14.25	202	104435	6.48	ng	# 94
80) Benzo(a)anthracene	15.78	228	51311	3.43	ng	95
82) Chrysene	15.78	228	51388	3.61	ng	98
87) Benzo(b)fluoranthene	17.02	252	82073	5.35	ng	# 97
88) Benzo(k)fluoranthene	17.02	252	82073	5.98	ng	# 95
90) Dibenzo(a,h)anthracene	18.72	278	8179	Below Cal	#	77
91) Benzo(g,h,i)perylene	19.07	276	26858	Below Cal		94

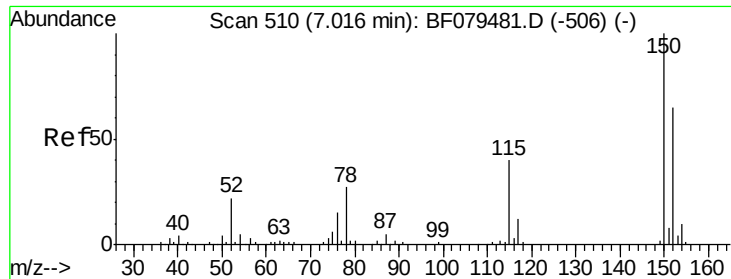
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 500

Delta R.T. -0.00 min

Lab File: BF079646.D

Acq: 31 May 2015 21:31

Instrument :

BNA_F

ClientSampled :

SB-19D

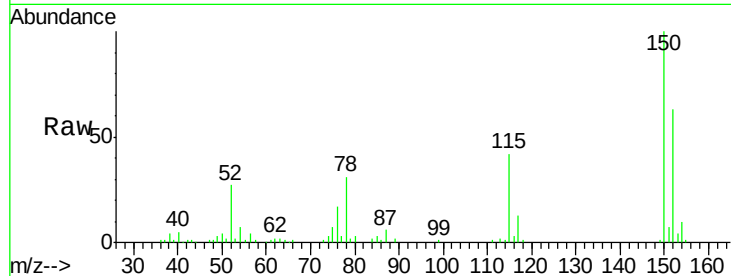
Tgt Ion:152 Resp: 60233

Ion Ratio Lower Upper

152 100

150 159.9 124.0 186.0

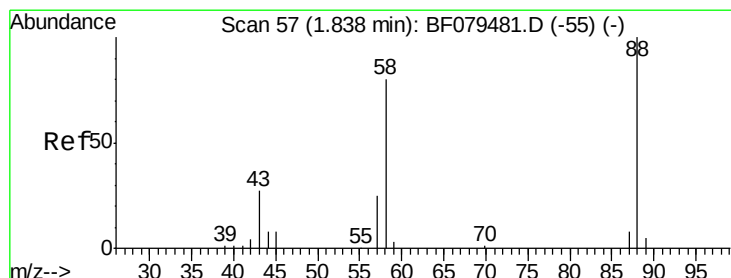
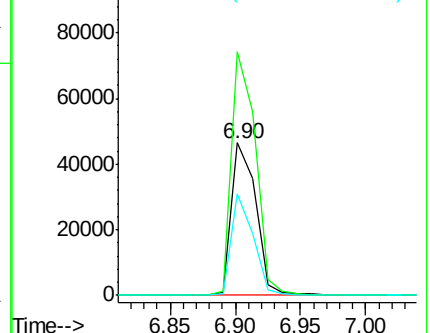
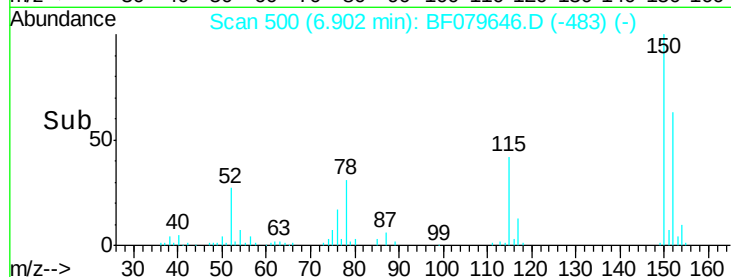
115 66.7 49.6 74.4



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



#2

1,4-Dioxane

Concen: 25.76 ng

RT: 1.63 min Scan# 39

Delta R.T. -0.06 min

Lab File: BF079646.D

Acq: 31 May 2015 21:31

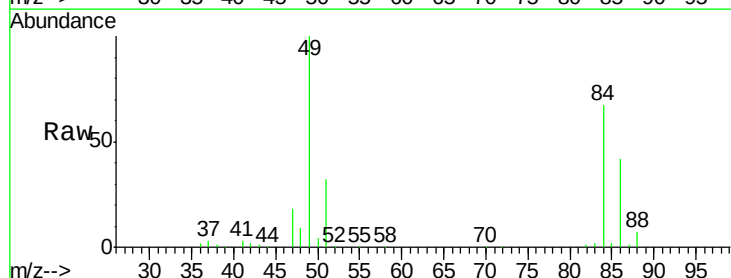
Tgt Ion: 88 Resp: 42562

Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

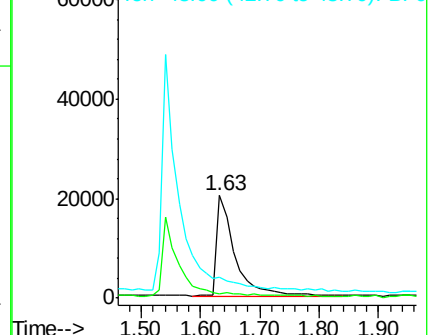
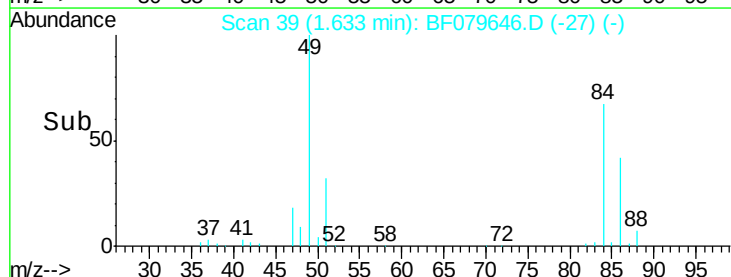
43 0.0 0.0 0.0

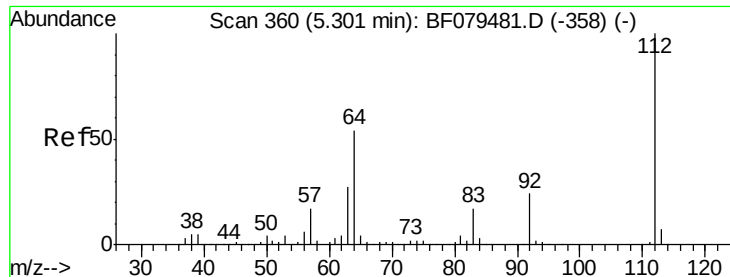


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

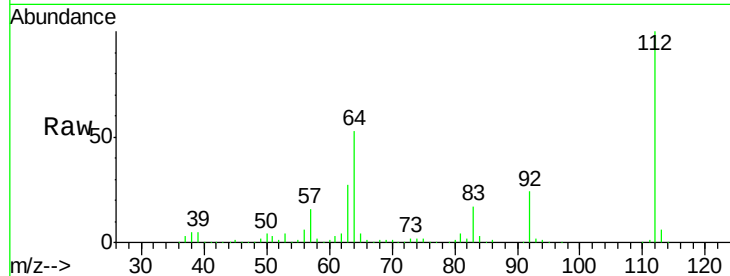




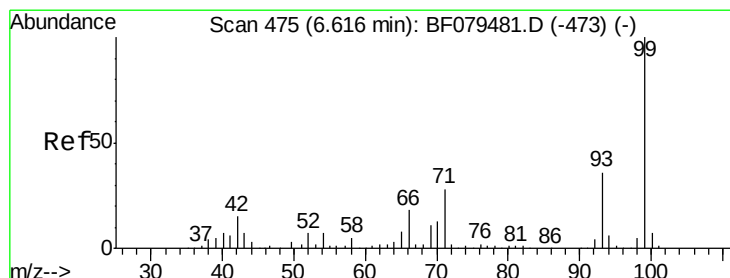
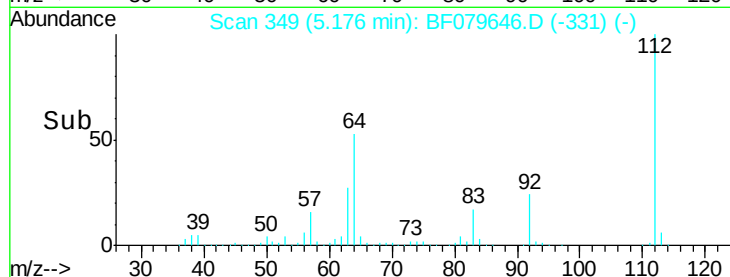
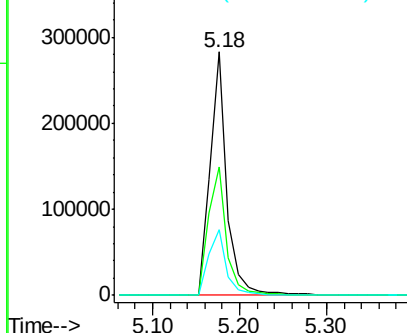
#5
 2-Fluorophenol
 Concen: 110.06 ng
 RT: 5.18 min Scan# 349
 Delta R.T. 0.01 min
 Lab File: BF079646.D
 Acq: 31 May 2015 21:31

Instrument :
 BNA_F
 ClientSampleID :
 SB-19D

Tgt Ion: 112 Resp: 382220
 Ion Ratio Lower Upper
 112 100
 64 52.7 43.5 65.3
 63 27.0 21.8 32.8

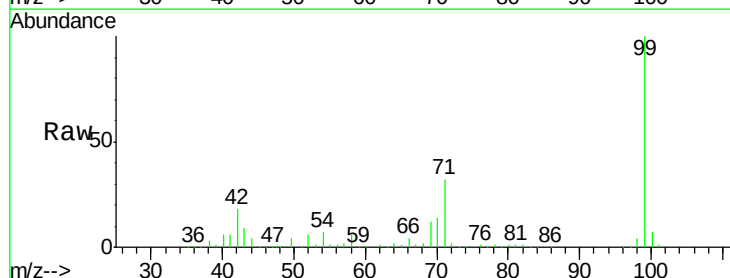


Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0

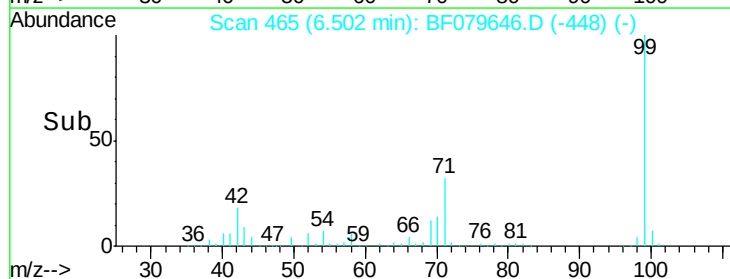
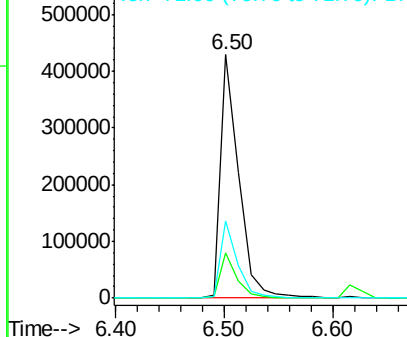


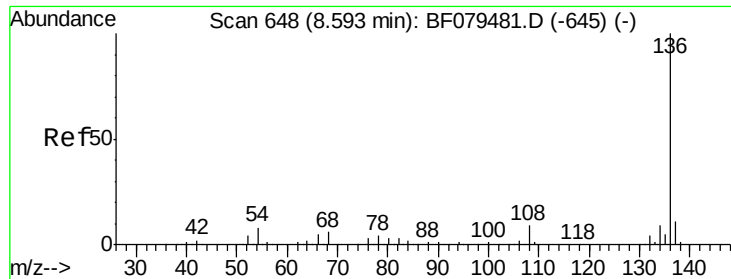
#7
 Phenol-d6
 Concen: 113.59 ng
 RT: 6.50 min Scan# 465
 Delta R.T. -0.00 min
 Lab File: BF079646.D
 Acq: 31 May 2015 21:31

Tgt Ion: 99 Resp: 502773
 Ion Ratio Lower Upper
 99 100
 42 18.3 11.9 17.9#
 71 31.7 22.1 33.1



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

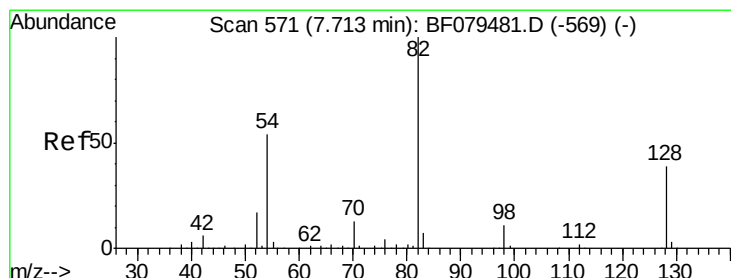
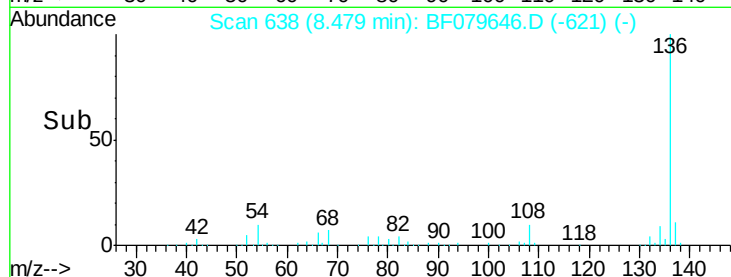
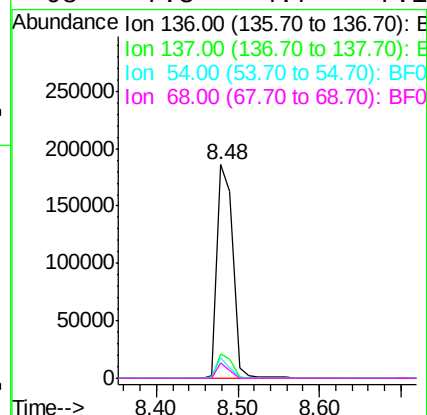
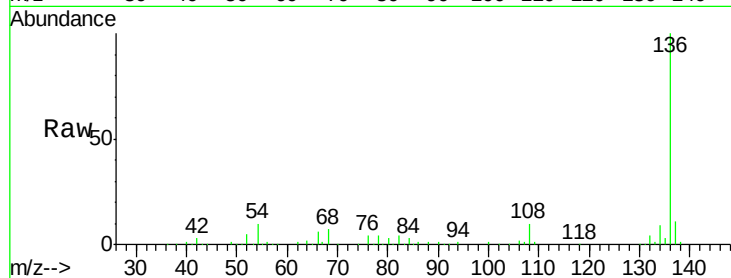




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.48 min Scan# 638
Delta R.T. -0.00 min
Lab File: BF079646.D
Acq: 31 May 2015 21:31

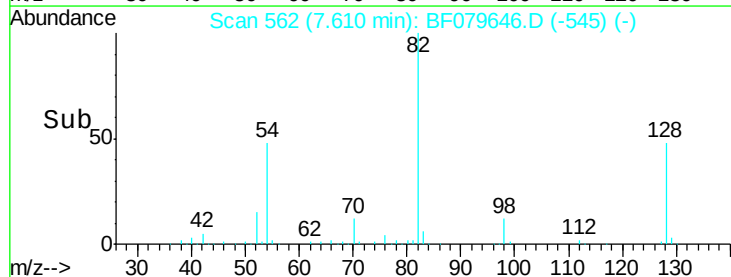
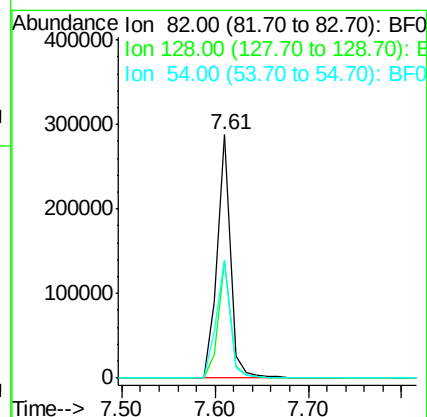
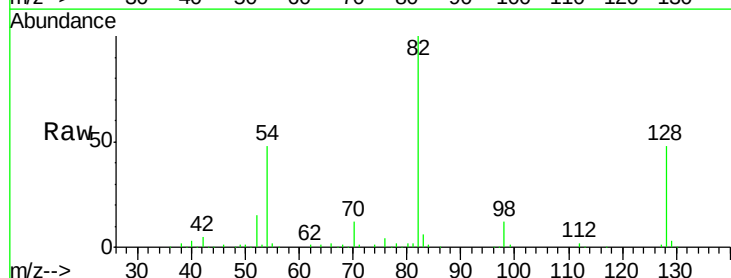
Instrument :
BNA_F
ClientSampleId :
SB-19D

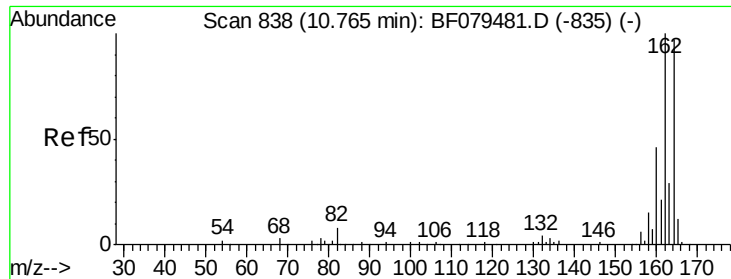
Tgt Ion:	136	Resp:	252381
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	9.9	6.6	9.8#
68	7.3	4.7	7.1#



#23
Nitrobenzene-d5
Concen: 66.07 ng
RT: 7.61 min Scan# 562
Delta R.T. -0.00 min
Lab File: BF079646.D
Acq: 31 May 2015 21:31

Tgt Ion:	82	Resp:	288469
Ion	Ratio	Lower	Upper
82	100		
128	48.0	30.8	46.2#
54	48.3	42.8	64.2

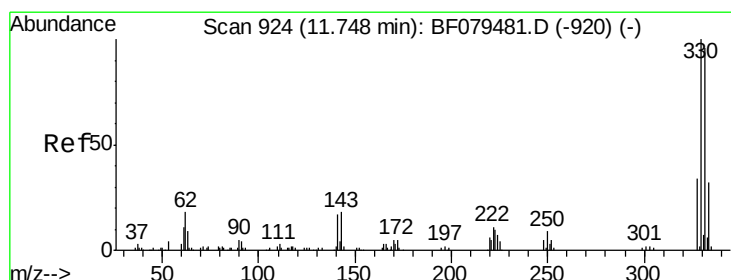
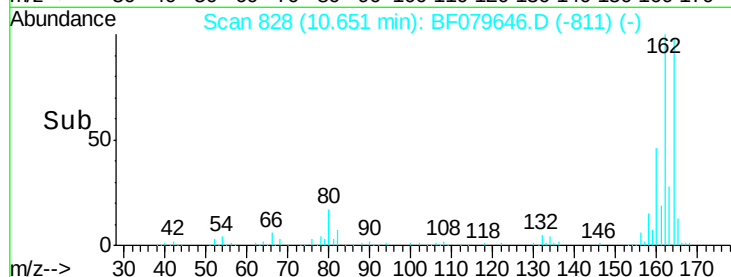
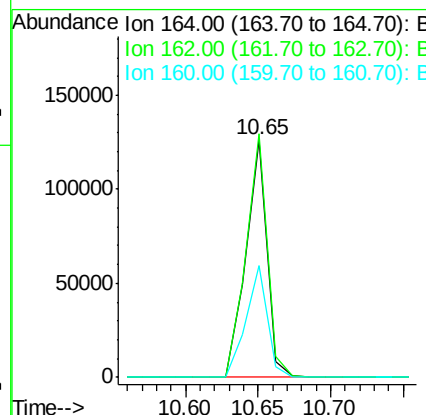
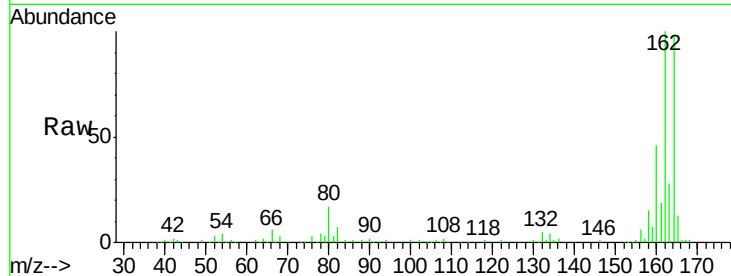




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.65 min Scan# 828
 Delta R.T. -0.00 min
 Lab File: BF079646.D
 Acq: 31 May 2015 21:31

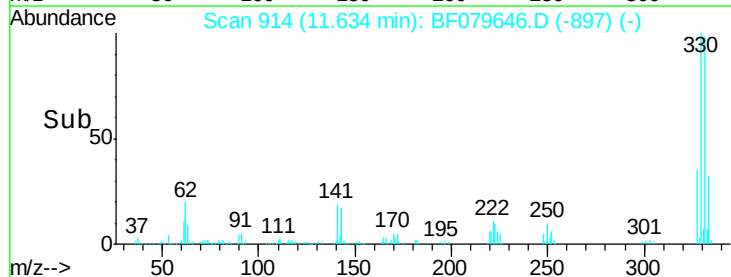
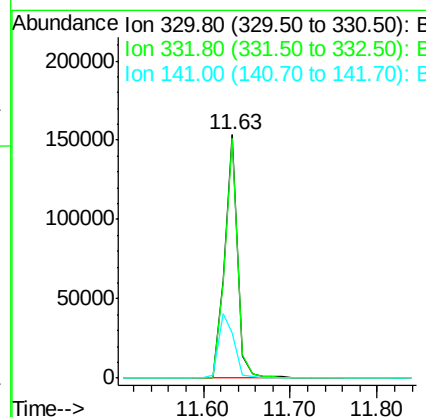
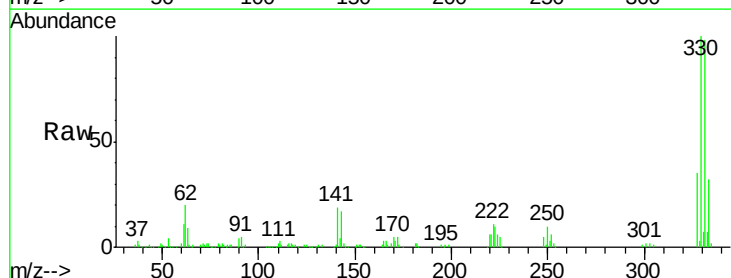
Instrument :
 BNA_F
 ClientSampleId :
 SB-19D

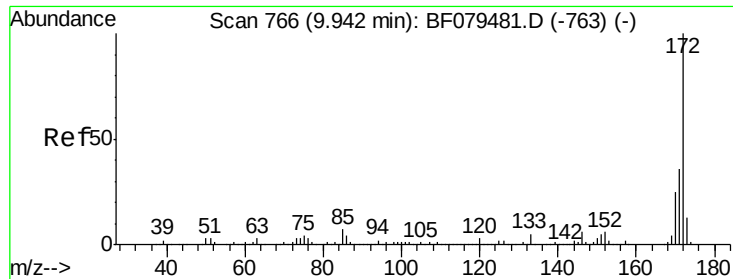
Tgt Ion:164 Resp: 127312
 Ion Ratio Lower Upper
 164 100
 162 102.5 82.6 124.0
 160 46.8 37.7 56.5



#41
 2,4,6-Tribromophenol
 Concen: 115.94 ng
 RT: 11.63 min Scan# 914
 Delta R.T. -0.00 min
 Lab File: BF079646.D
 Acq: 31 May 2015 21:31

Tgt Ion:330 Resp: 162129
 Ion Ratio Lower Upper
 330 100
 332 98.1 0.0 0.0#
 141 31.4 0.0 0.0#

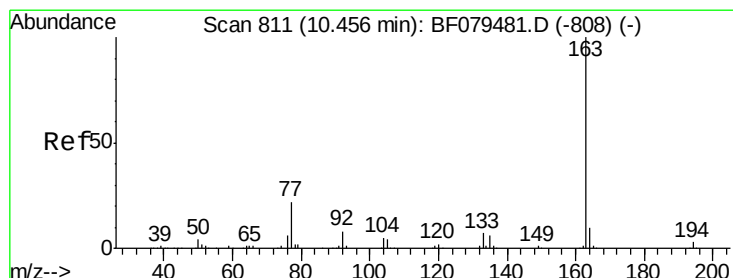
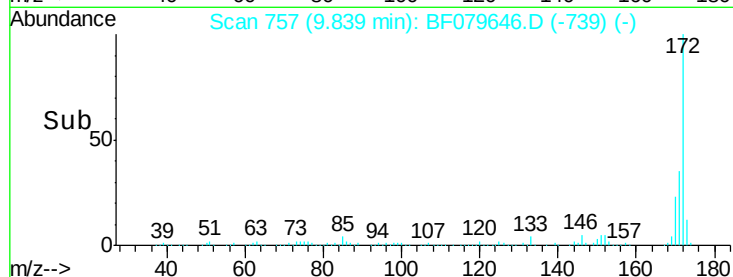
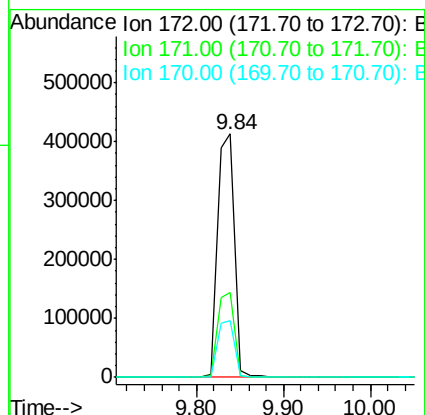
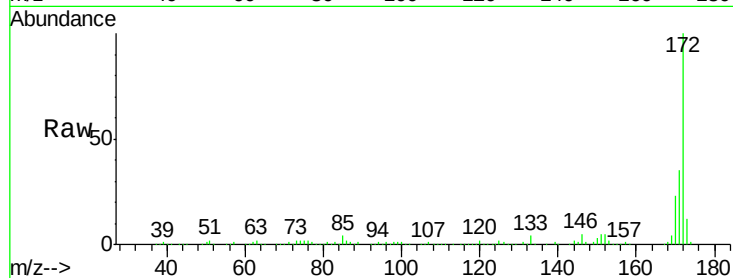




#44
 2-Fluorobiphenyl
 Concen: 63.63 ng
 RT: 9.84 min Scan# 757
 Delta R.T. 0.01 min
 Lab File: BF079646.D
 Acq: 31 May 2015 21:31

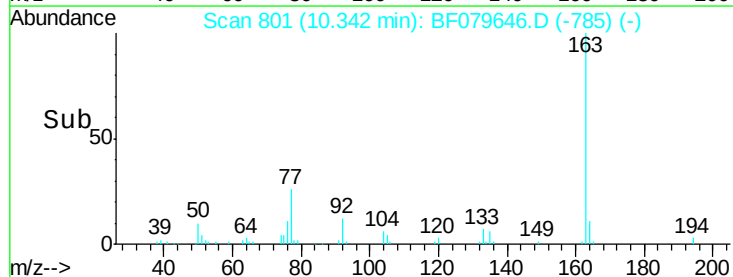
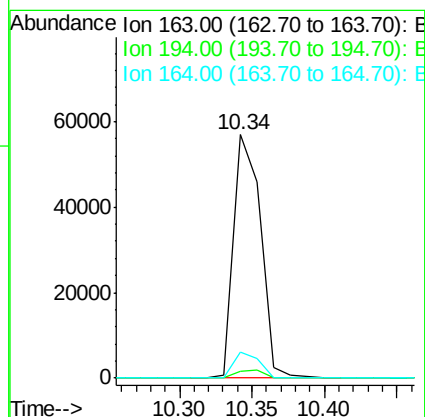
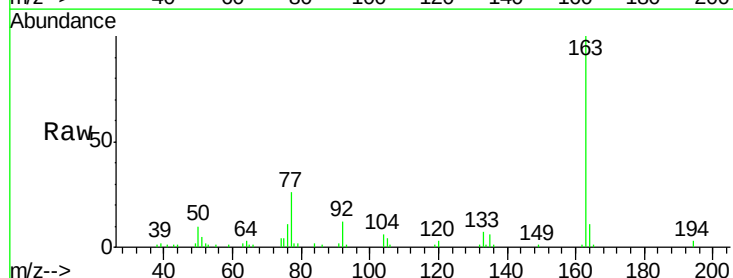
Instrument :
 BNA_F
 ClientSampled :
 SB-19D

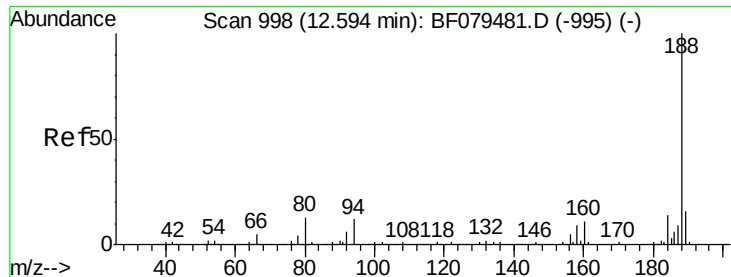
Tgt Ion:172 Resp: 567812
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.5 42.7
 170 23.3 19.7 29.5



#49
 Dimethylphthalate
 Concen: 7.83 ng
 RT: 10.34 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: BF079646.D
 Acq: 31 May 2015 21:31

Tgt Ion:163 Resp: 73437
 Ion Ratio Lower Upper
 163 100
 194 2.7 2.4 3.6
 164 10.9 8.2 12.4

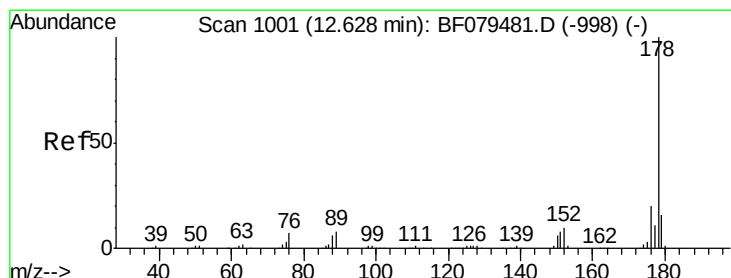
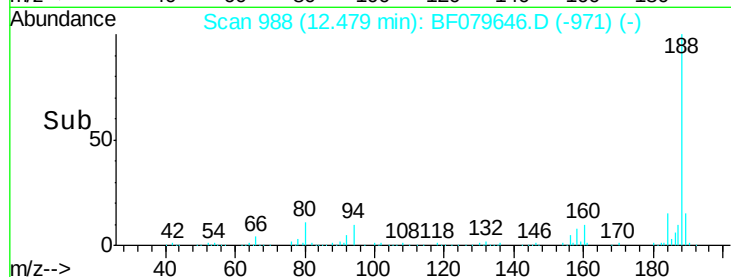
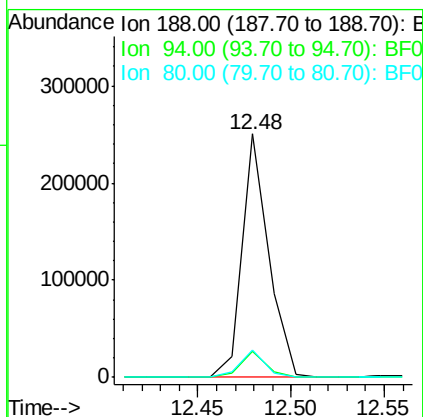
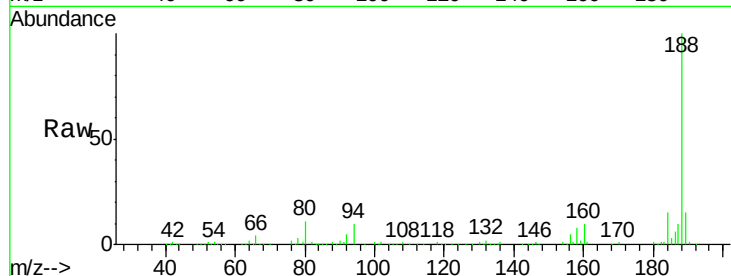




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.48 min Scan# 988
 Delta R.T. -0.00 min
 Lab File: BF079646.D
 Acq: 31 May 2015 21:31

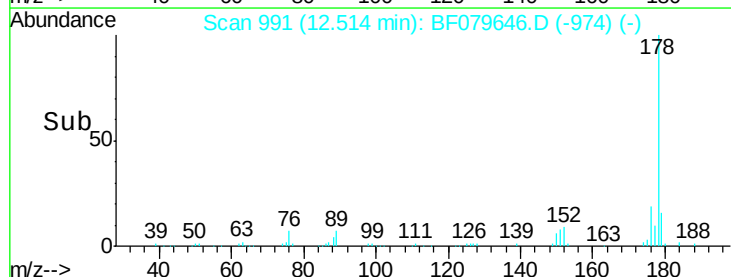
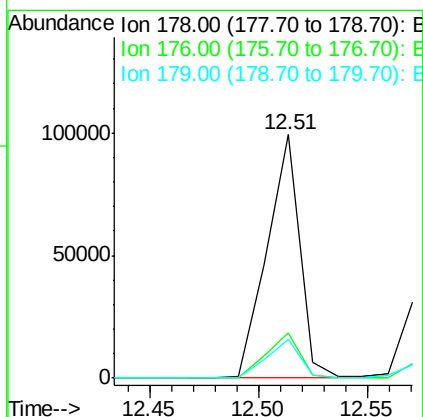
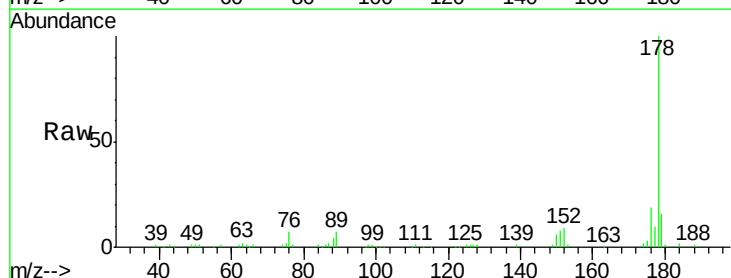
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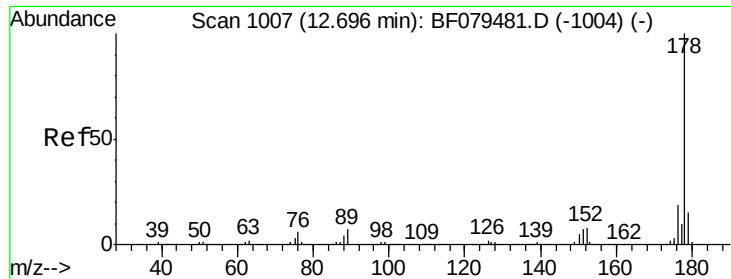
Tgt Ion:188 Resp: 249059
 Ion Ratio Lower Upper
 188 100
 94 10.4 9.8 14.6
 80 11.3 10.5 15.7



#70
 Phenanthrene
 Concen: 7.67 ng
 RT: 12.51 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: BF079646.D
 Acq: 31 May 2015 21:31

Tgt Ion:178 Resp: 104815
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.7 23.5
 179 15.9 12.4 18.6

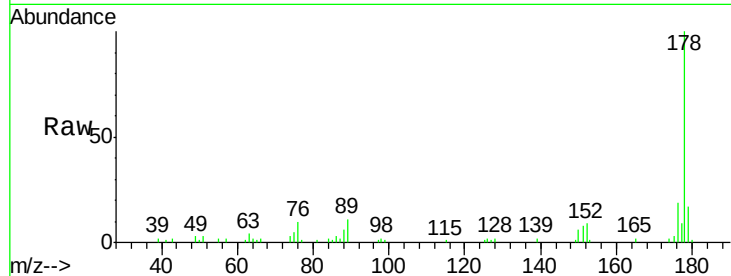




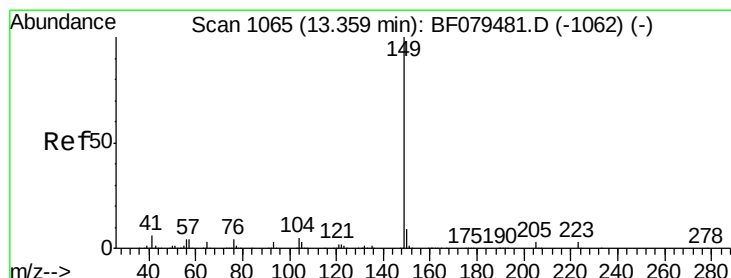
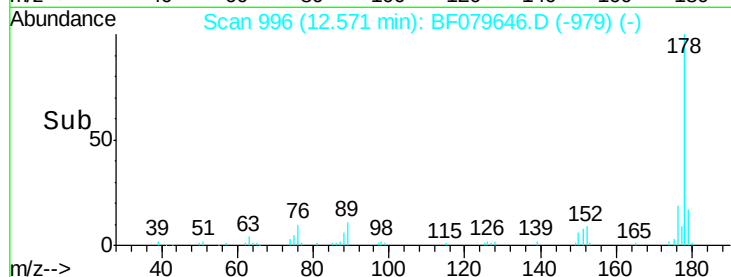
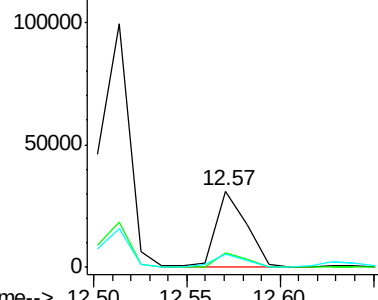
#71
 Anthracene
 Concen: 2.49 ng
 RT: 12.57 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: BF079646.D
 Acq: 31 May 2015 21:31

Instrument :
 BNA_F
 ClientSampleId :
 SB-19D

Tgt Ion:178 Resp: 34539
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.3 22.9
 179 16.6 12.2 18.4

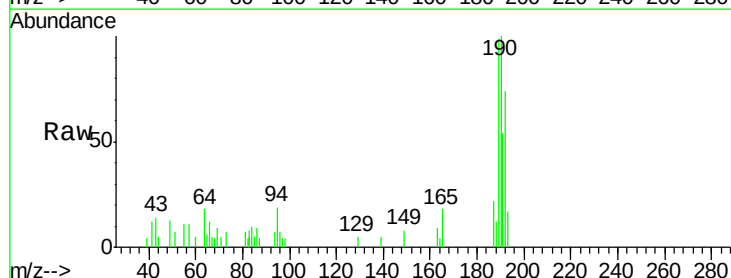


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

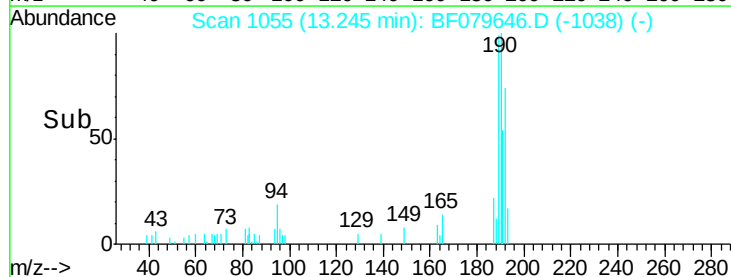
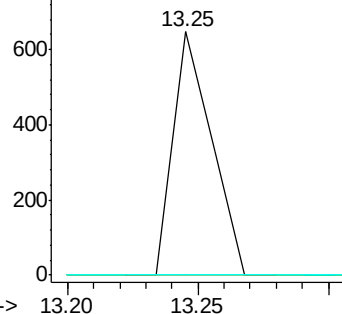


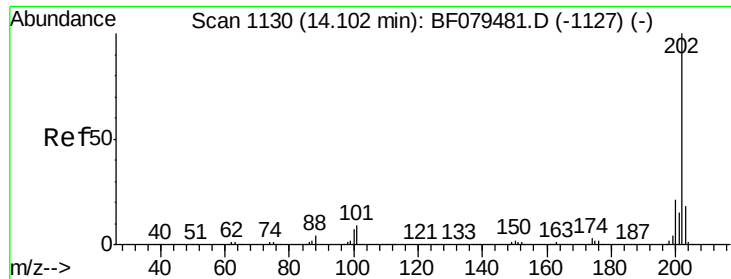
#73
 Di-n-butylphthalate
 Concen: Below Cal
 RT: 13.25 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: BF079646.D
 Acq: 31 May 2015 21:31

Tgt Ion:149 Resp: 669
 Ion Ratio Lower Upper
 149 100
 150 0.0 7.5 11.3#
 104 0.0 3.6 5.4#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E

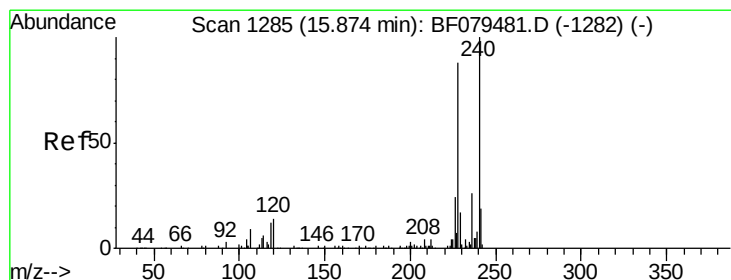
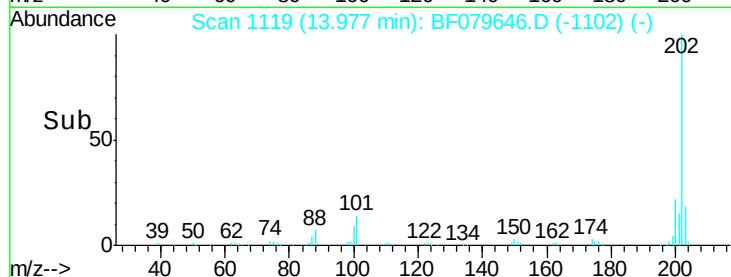
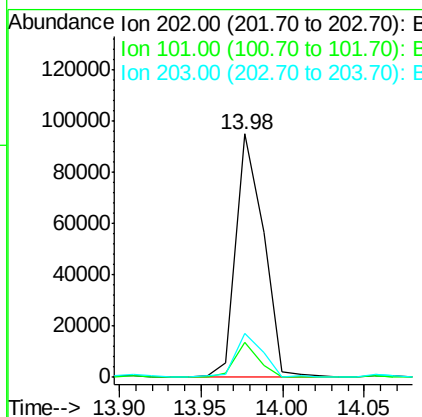
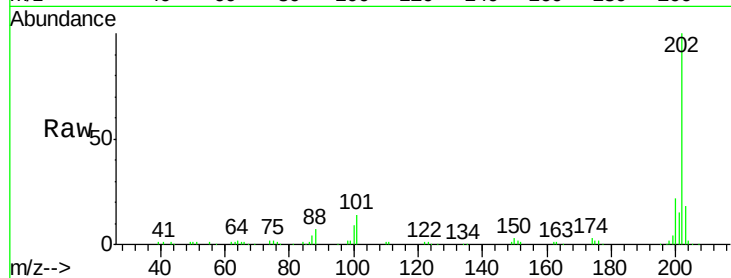




#74
 Fluoranthene
 Concen: 7.60 ng
 RT: 13.98 min Scan# 1119
 Delta R.T. -0.00 min
 Lab File: BF079646.D
 Acq: 31 May 2015 21:31

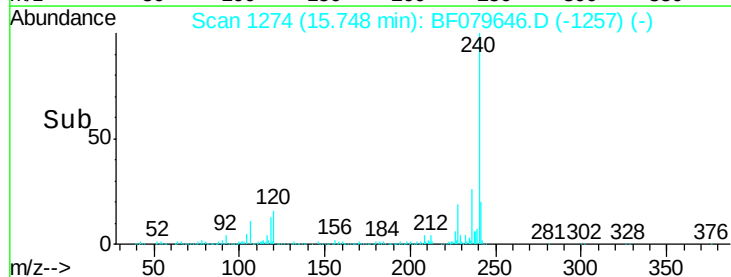
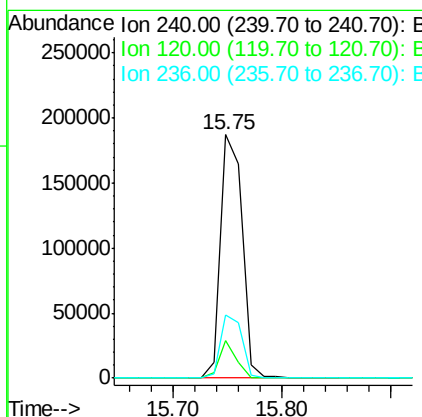
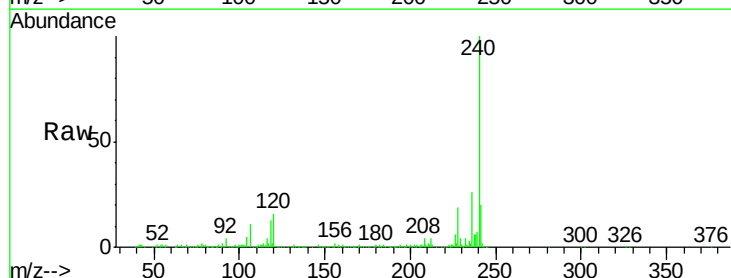
Instrument :
 BNA_F
 ClientSampleId :
 SB-19D

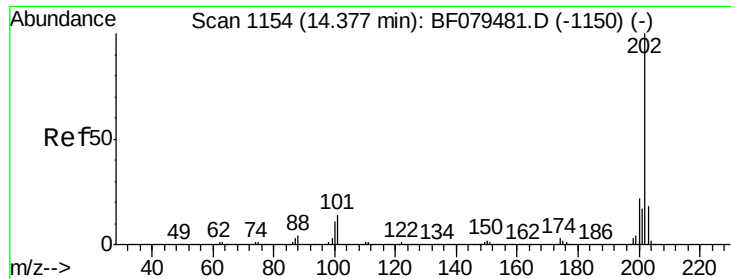
Tgt Ion:	202	Resp:	111295
Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	29.3
203	18.1	0.0	37.6



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 15.75 min Scan# 1274
 Delta R.T. -0.00 min
 Lab File: BF079646.D
 Acq: 31 May 2015 21:31

Tgt Ion:	240	Resp:	260015
Ion	Ratio	Lower	Upper
240	100		
120	15.6	10.8	16.2
236	26.0	21.0	31.6

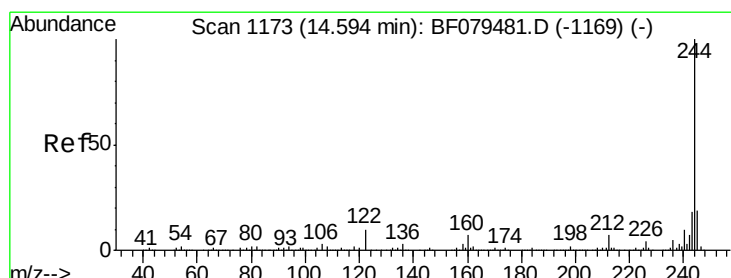
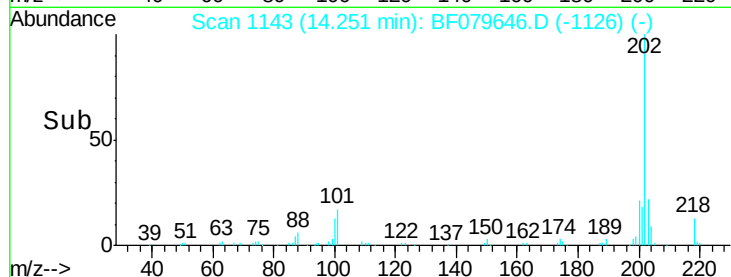
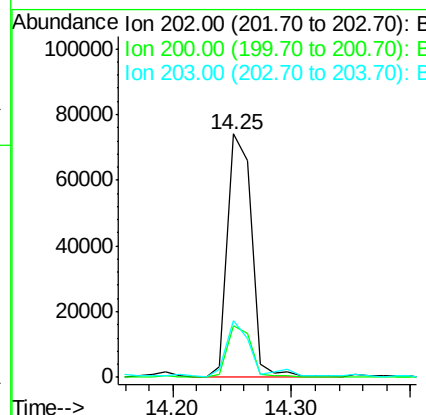
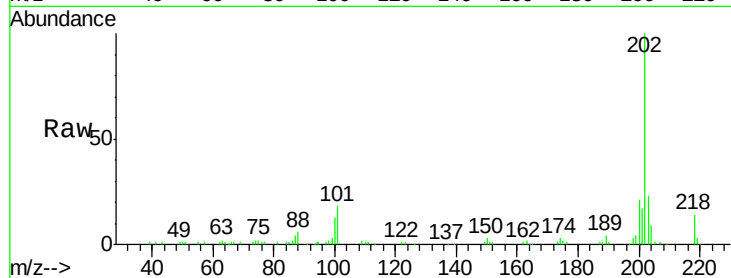




#77
 Pyrene
 Concen: 6.48 ng
 RT: 14.25 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: BF079646.D
 Acq: 31 May 2015 21:31

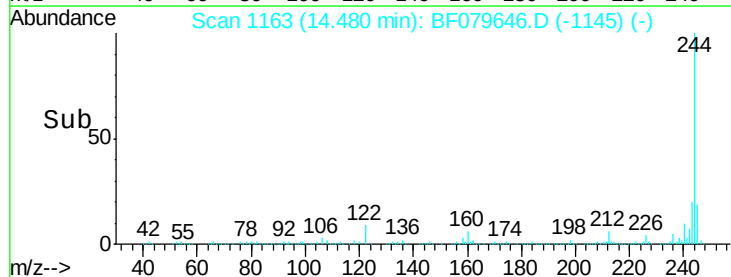
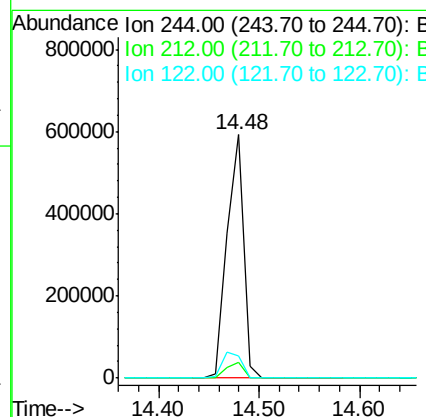
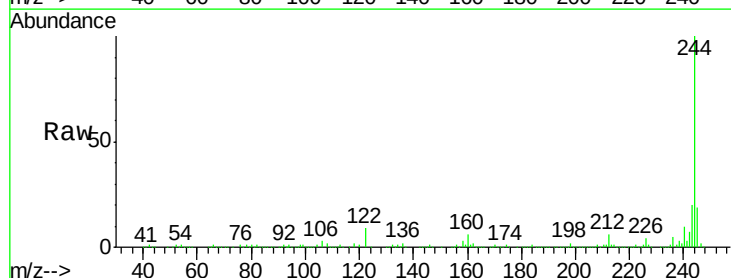
Instrument :
 BNA_F
 ClientSampleId :
 SB-19D

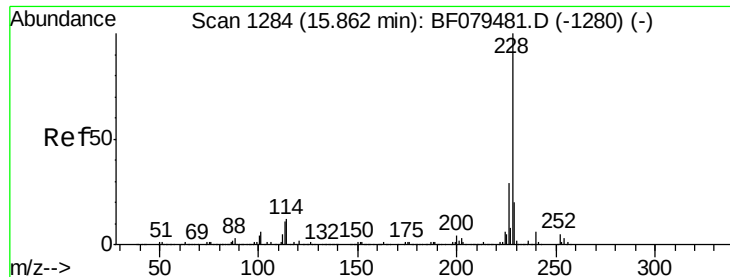
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.5	26.3
203	23.1	14.4	21.6



#78
 Terphenyl-d14
 Concen: 61.10 ng
 RT: 14.48 min Scan# 1163
 Delta R.T. 0.01 min
 Lab File: BF079646.D
 Acq: 31 May 2015 21:31

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.2	7.8
122	9.2	8.0	12.0





#80

Benzo(a)anthracene

Concen: 3.43 ng

RT: 15.78 min Scan# 1277

Delta R.T. 0.05 min

Lab File: BF079646.D

Acq: 31 May 2015 21:31

Instrument :

BNA_F

ClientSampled :

SB-19D

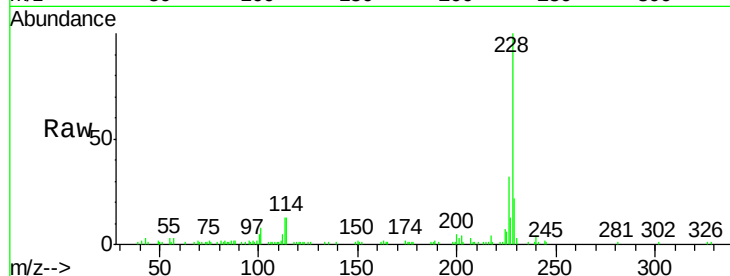
Tgt Ion:228 Resp: 51311

Ion Ratio Lower Upper

228 100

226 31.5 22.8 34.2

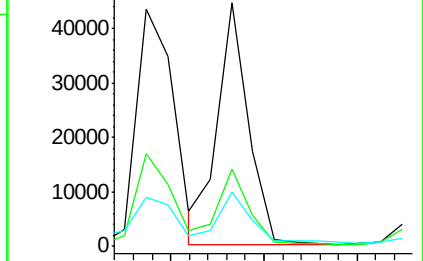
229 22.2 15.9 23.9



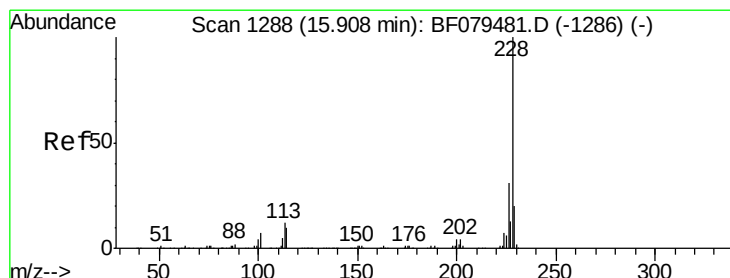
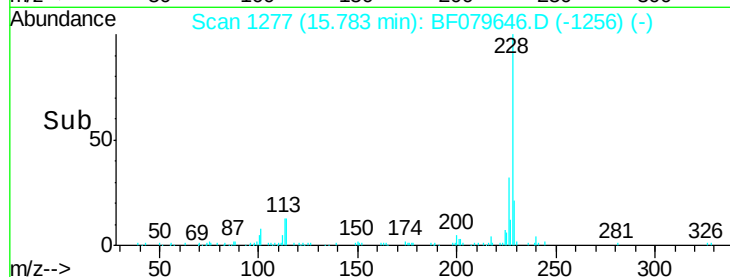
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#82

Chrysene

Concen: 3.61 ng

RT: 15.78 min Scan# 1277

Delta R.T. -0.00 min

Lab File: BF079646.D

Acq: 31 May 2015 21:31

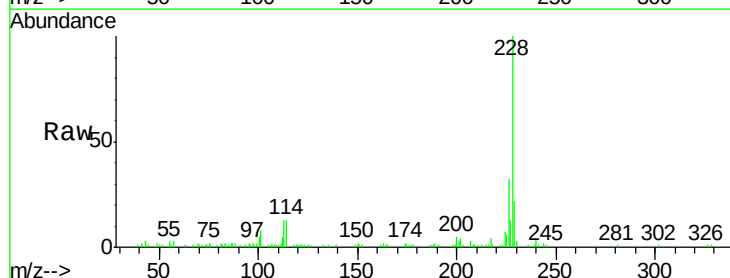
Tgt Ion:228 Resp: 51388

Ion Ratio Lower Upper

228 100

226 31.5 25.0 37.4

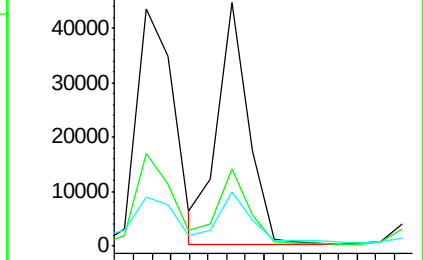
229 22.2 15.9 23.9



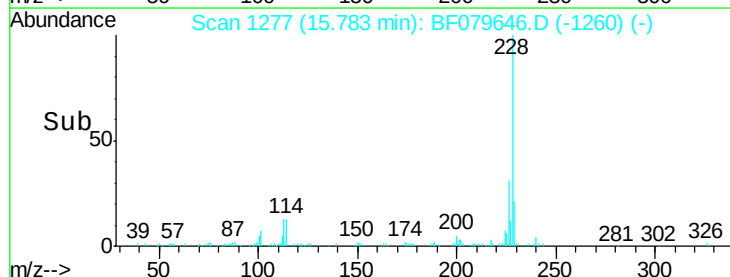
Abundance Ion 228.00 (227.70 to 228.70): E

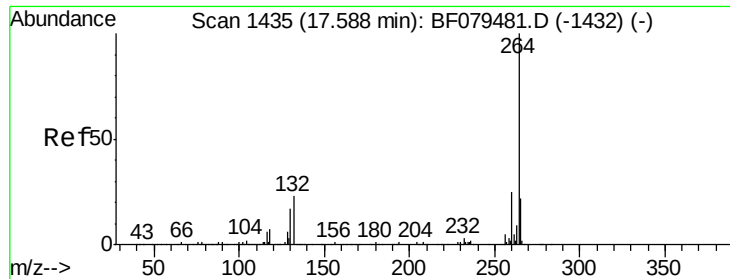
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->

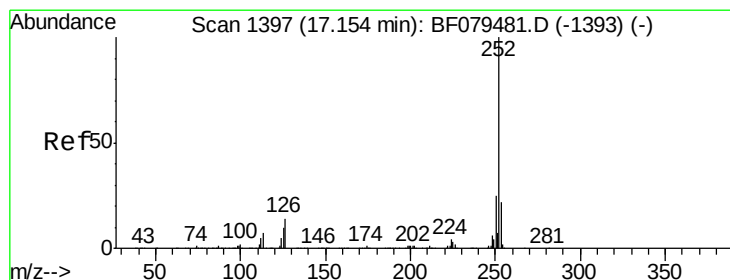
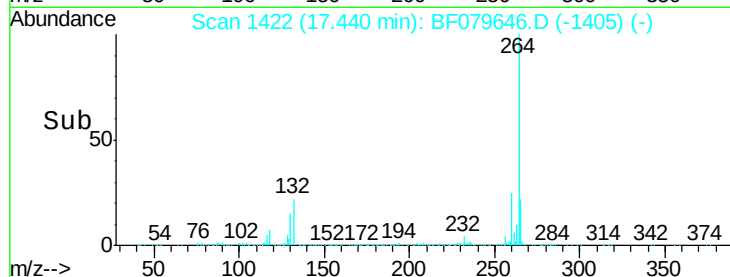
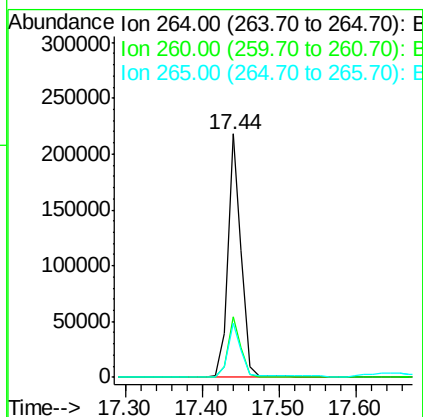
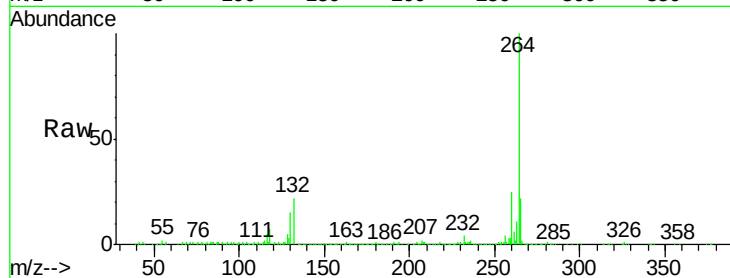




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.44 min Scan# 1422
Delta R.T. -0.00 min
Lab File: BF079646.D
Acq: 31 May 2015 21:31

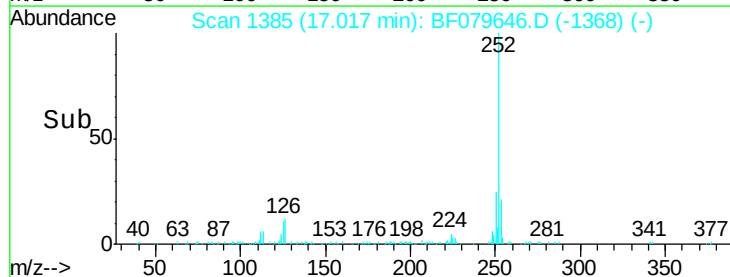
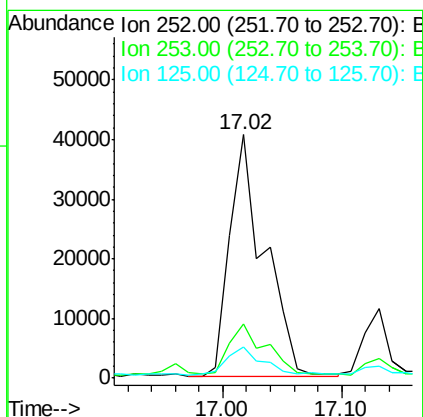
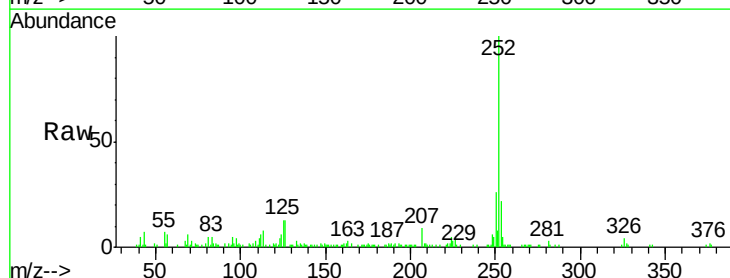
Instrument :
BNA_F
ClientSampled :
SB-19D

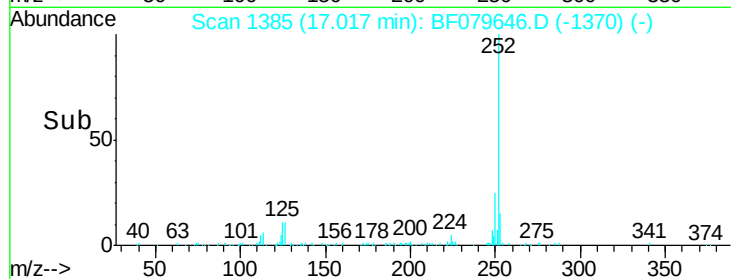
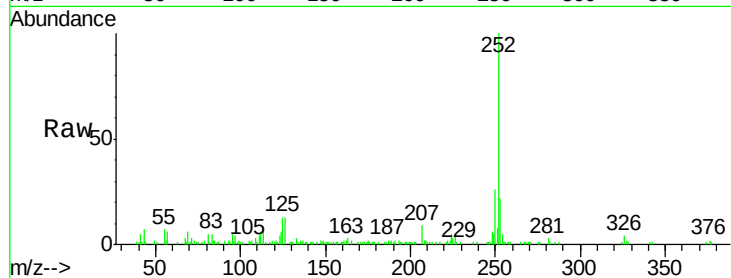
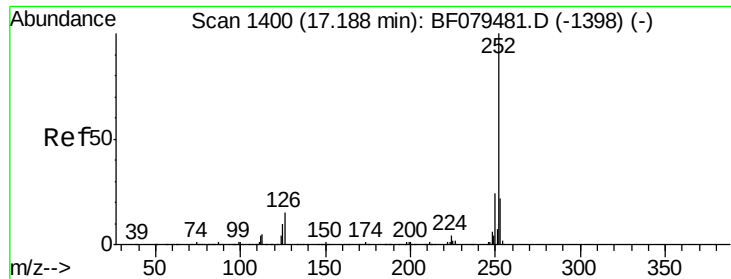
Tgt Ion:264 Resp: 268912
Ion Ratio Lower Upper
264 100
260 25.1 19.8 29.8
265 22.3 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 5.35 ng
RT: 17.02 min Scan# 1385
Delta R.T. -0.00 min
Lab File: BF079646.D
Acq: 31 May 2015 21:31

Tgt Ion:252 Resp: 82073
Ion Ratio Lower Upper
252 100
253 22.2 17.6 26.4
125 12.9 7.8 11.6#





#88

Benzo(k)fluoranthene

Concen: 5.98 ng

RT: 17.02 min Scan# 1385

Delta R.T. -0.02 min

Lab File: BF079646.D

Acq: 31 May 2015 21:31

Instrument :

BNA_F

ClientSampleId :

SB-19D

Tgt Ion:252 Resp: 82073

Ion Ratio Lower Upper

252 100

253 22.2 17.2 25.8

125 12.9 6.8 10.2#

