

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
 Data File : BF079645.D
 Acq On : 31 May 2015 21:02
 Operator : TP/IZ
 Sample : G2408-13
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-20D

Quant Time: Jun 01 05:22:15 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	63639	20.00	ng	0.00
21) Naphthalene-d8	8.48	136	261919	20.00	ng	0.00
38) Acenaphthene-d10	10.65	164	126967	20.00	ng	0.00
63) Phenanthrene-d10	12.48	188	249234	20.00	ng	0.00
75) Chrysene-d12	15.75	240	266630	20.00	ng	0.00
86) Perylene-d12	17.43	264	277348	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.18	112	415928	113.36	ng	0.01
7) Phenol-d6	6.51	99	548977	117.39	ng	0.01
23) Nitrobenzene-d5	7.61	82	310487	68.53	ng	0.00
41) 2,4,6-Tribromophenol	11.63	330	169731	121.71	ng	0.00
44) 2-Fluorobiphenyl	9.83	172	548871	61.67	ng	0.00
78) Terphenyl-d14	14.48	244	568767	50.06	ng	0.01

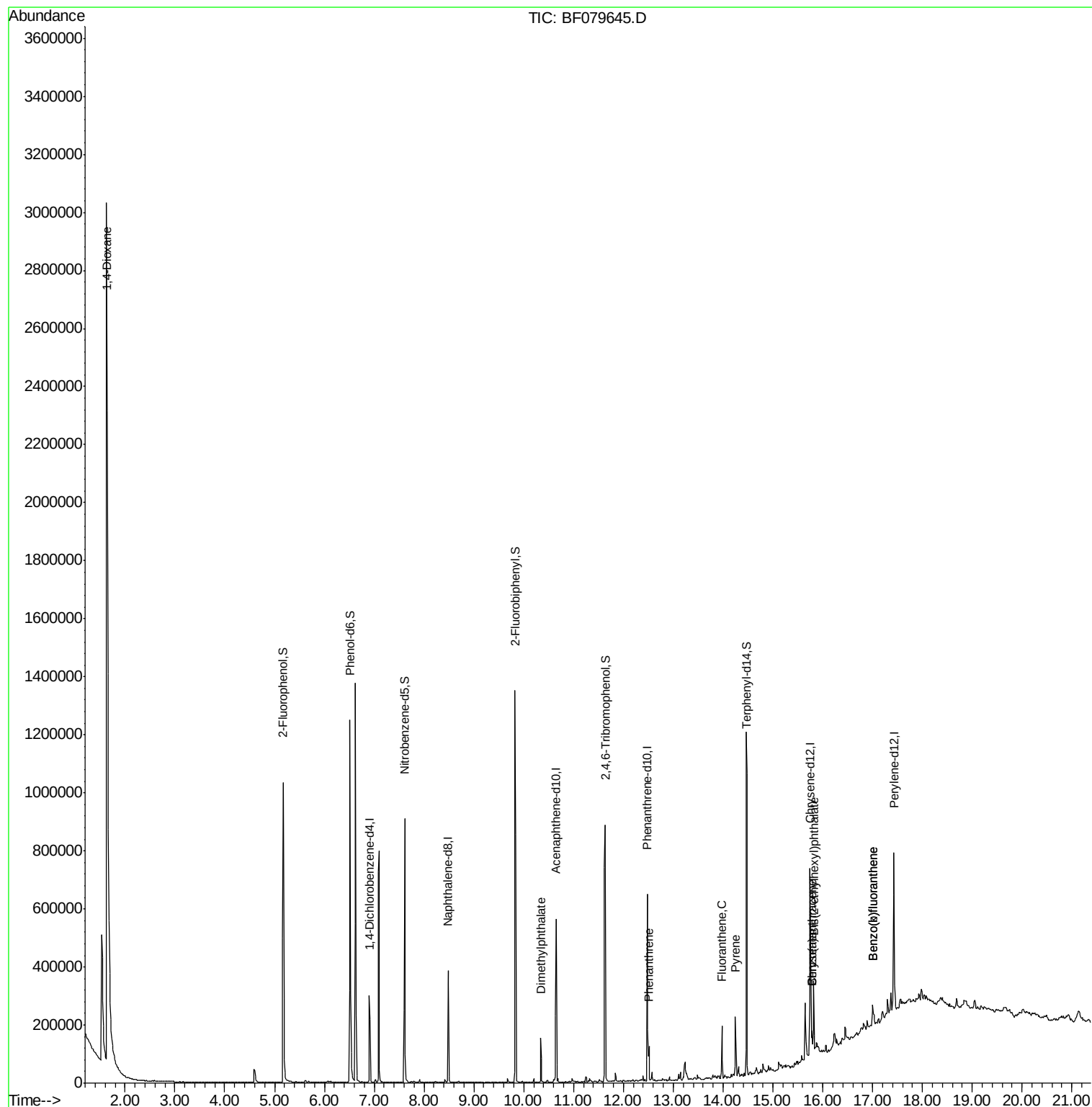
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.63	88	154997	88.80	ng	# 100
49) Dimethylphthalate	10.34	163	78203	8.36	ng	100
70) Phenanthrene	12.51	178	60197	4.40	ng	97
73) Di-n-butylphthalate	13.25	149	1168	Below Cal	#	78
74) Fluoranthene	13.98	202	79902	5.45	ng	96
77) Pyrene	14.25	202	95086	5.76	ng	97
80) Benzo(a)anthracene	15.78	228	32066	2.09	ng	94
82) Chrysene	15.78	228	32565	2.23	ng	97
83) Bis(2-ethylhexyl)phthalate	15.82	149	85294	8.01	ng	99
87) Benzo(b)fluoranthene	17.01	252	57997	3.67	ng	# 93
88) Benzo(k)fluoranthene	17.01	252	57997	4.10	ng	# 92
90) Dibenzo(a,h)anthracene	18.70	278	6088	Below Cal	#	56
91) Benzo(g,h,i)perylene	19.05	276	24135	Below Cal		95

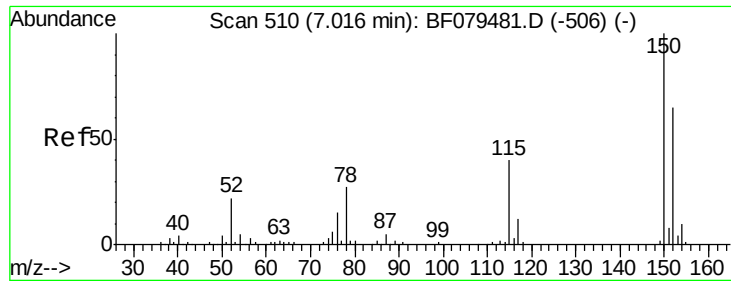
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF079645.D

Acq: 31 May 2015 21:02

Instrument :

BNA_F

ClientSampled :

SB-20D

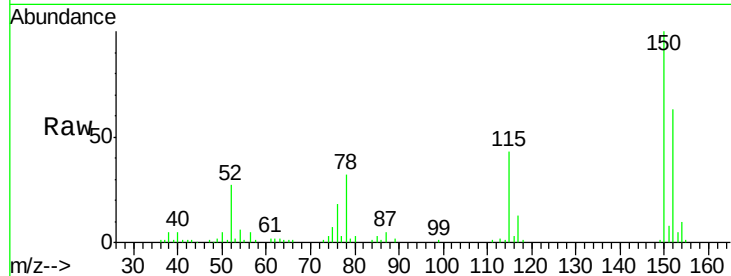
Tgt Ion:152 Resp: 63639

Ion Ratio Lower Upper

152 100

150 159.2 124.0 186.0

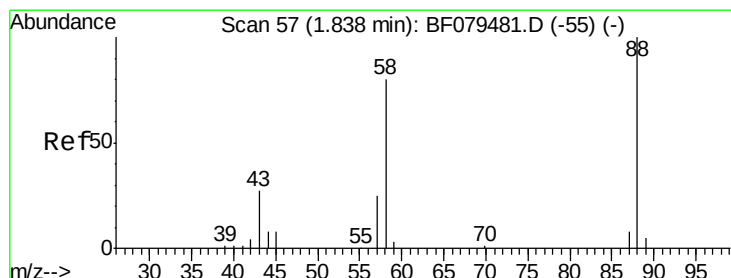
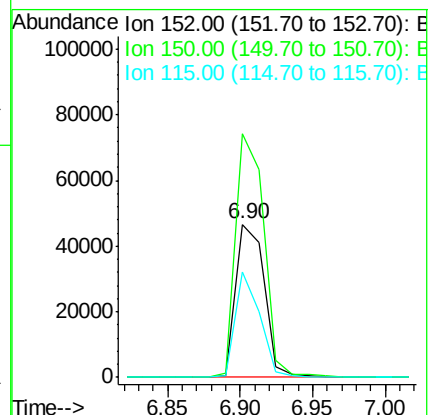
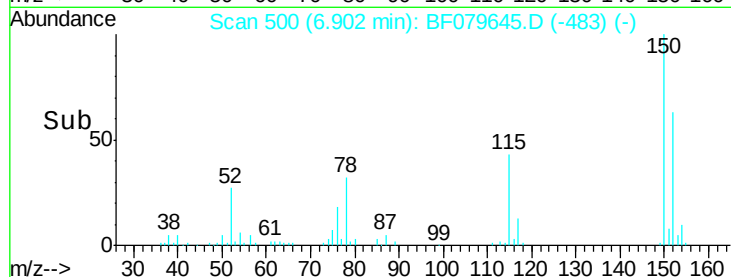
115 68.8 49.6 74.4



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: 88.80 ng

RT: 1.63 min Scan# 39

Delta R.T. -0.06 min

Lab File: BF079645.D

Acq: 31 May 2015 21:02

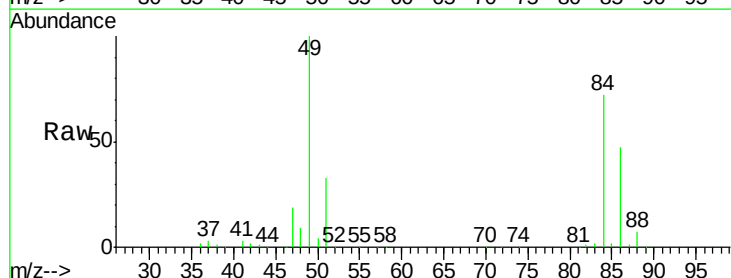
Tgt Ion: 88 Resp: 154997

Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

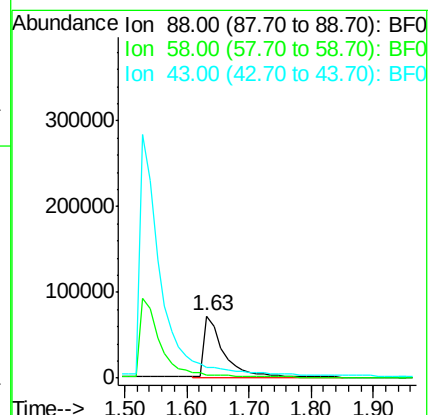
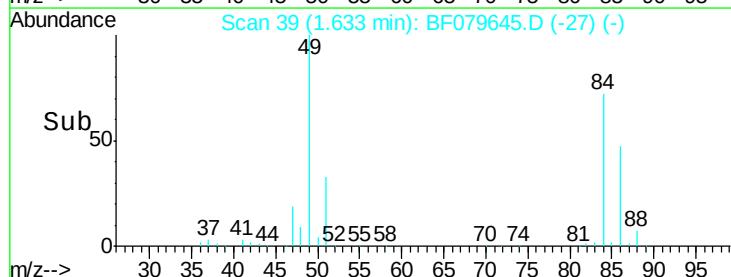
43 0.0 0.0 0.0

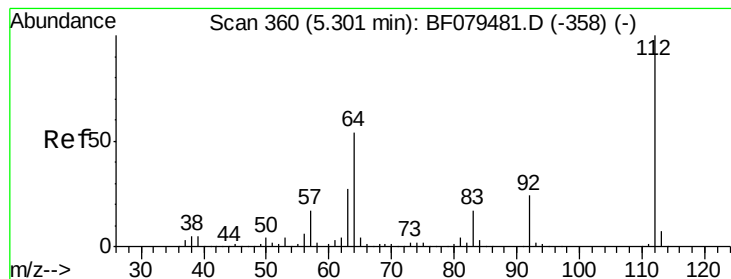


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

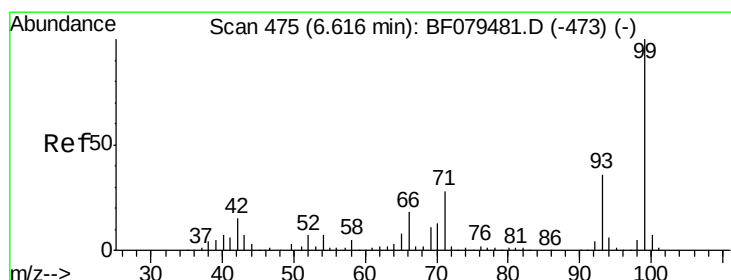
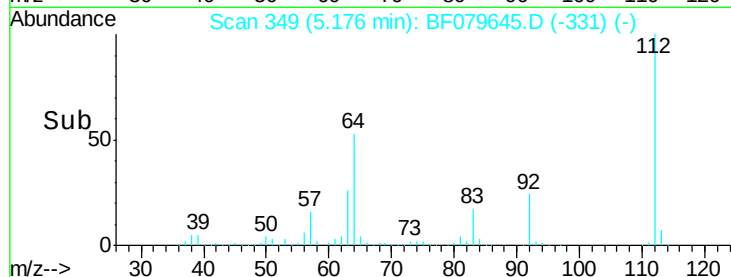
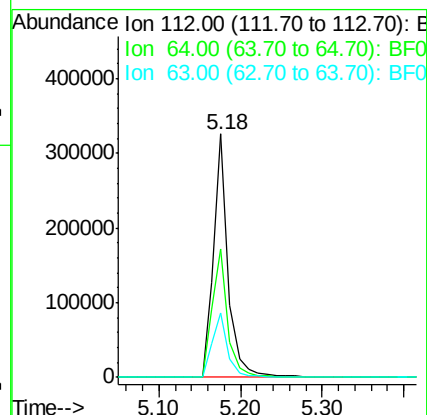
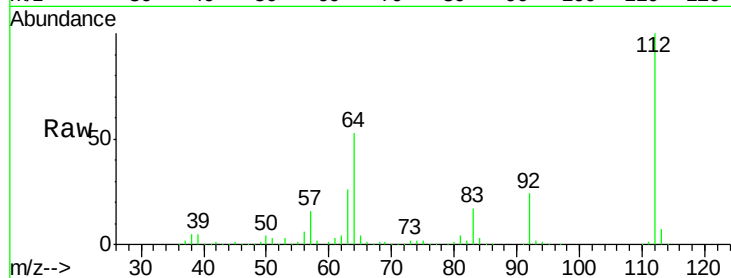




#5
 2-Fluorophenol
 Concen: 113.36 ng
 RT: 5.18 min Scan# 349
 Delta R.T. 0.01 min
 Lab File: BF079645.D
 Acq: 31 May 2015 21:02

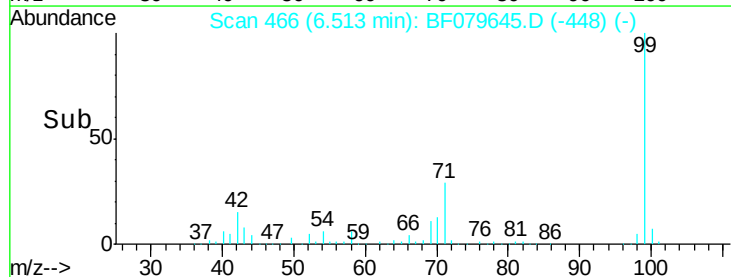
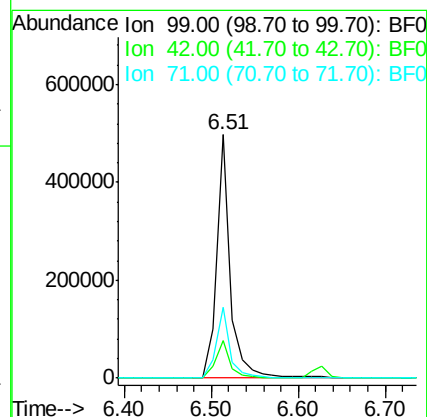
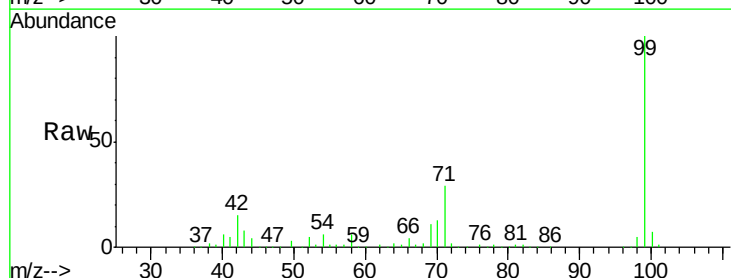
Instrument :
 BNA_F
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 SB-20D

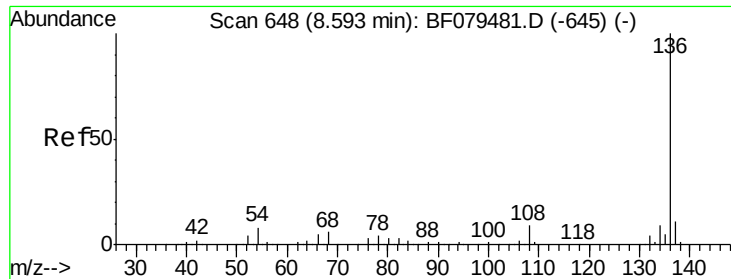
Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.8	43.5	65.3
63	26.5	21.8	32.8



#7
 Phenol-d6
 Concen: 117.39 ng
 RT: 6.51 min Scan# 466
 Delta R.T. 0.01 min
 Lab File: BF079645.D
 Acq: 31 May 2015 21:02

Tgt Ion	Ratio	Lower	Upper
99	100		
42	15.4	11.9	17.9
71	28.8	22.1	33.1

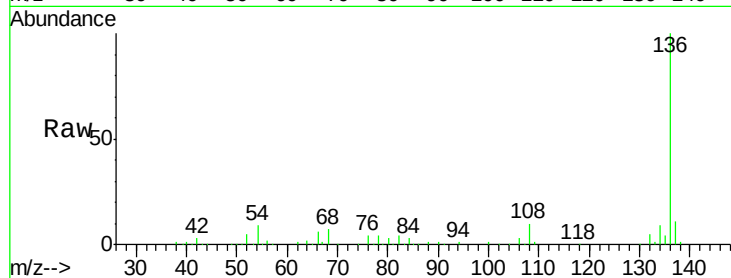




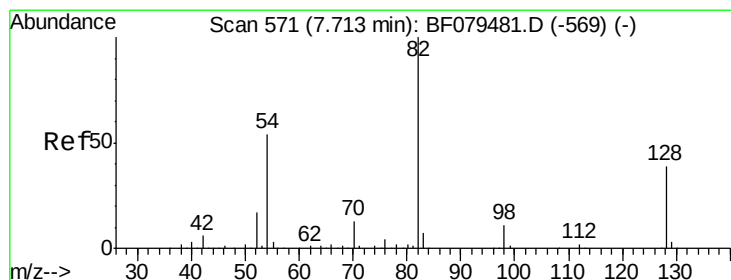
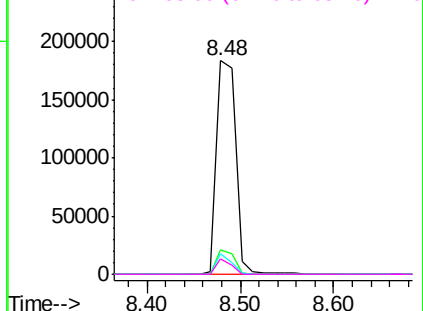
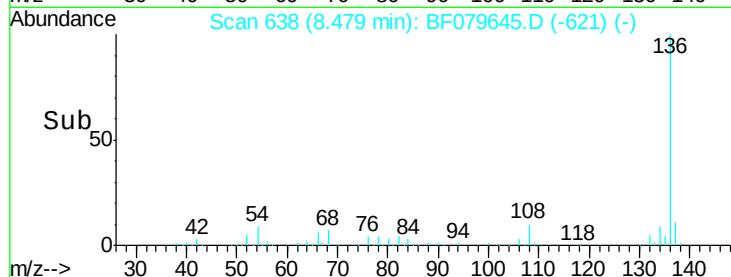
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.48 min Scan# 638
Delta R.T. -0.00 min
Lab File: BF079645.D
Acq: 31 May 2015 21:02

Instrument :
BNA_F
ClientSampleId :
SB-20D

Tgt Ion: 136 Resp: 261919
Ion Ratio Lower Upper
136 100
137 11.5 8.5 12.7
54 9.5 6.6 9.8
68 7.2 4.7 7.1#

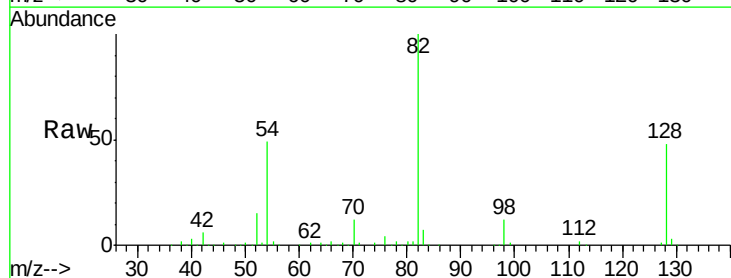


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

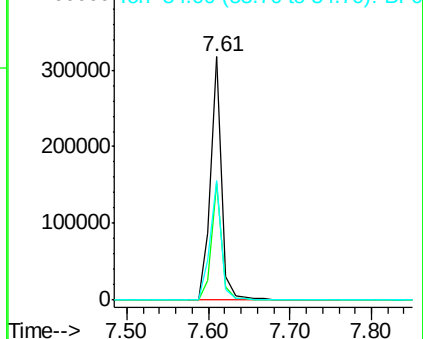
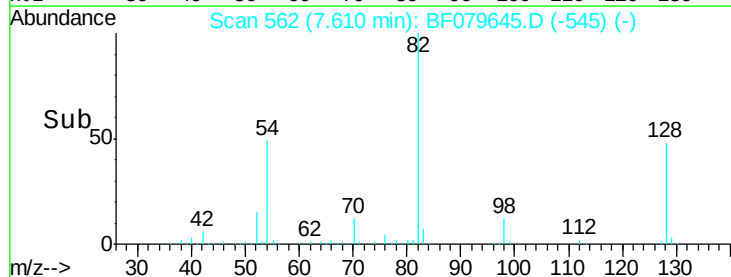


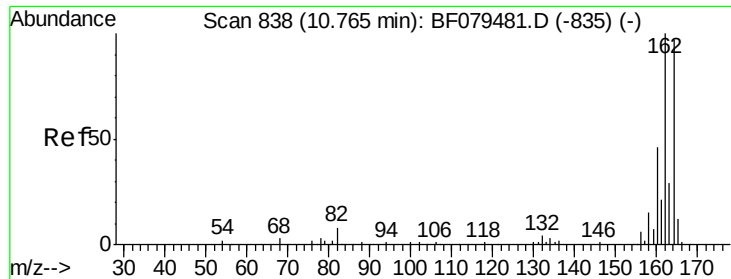
#23
Nitrobenzene-d5
Concen: 68.53 ng
RT: 7.61 min Scan# 562
Delta R.T. -0.00 min
Lab File: BF079645.D
Acq: 31 May 2015 21:02

Tgt Ion: 82 Resp: 310487
Ion Ratio Lower Upper
82 100
128 48.1 30.8 46.2#
54 49.0 42.8 64.2



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

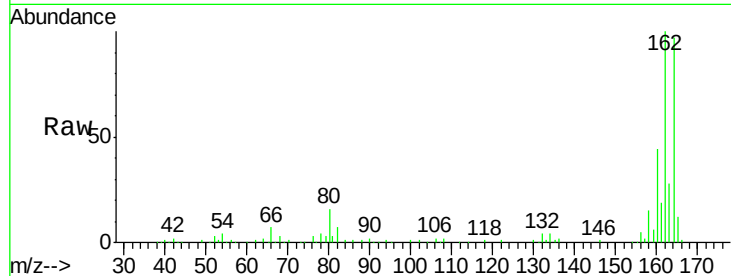




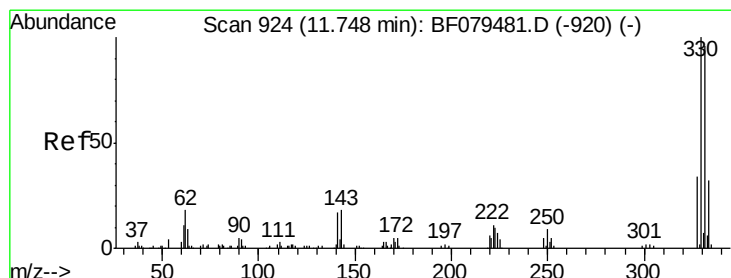
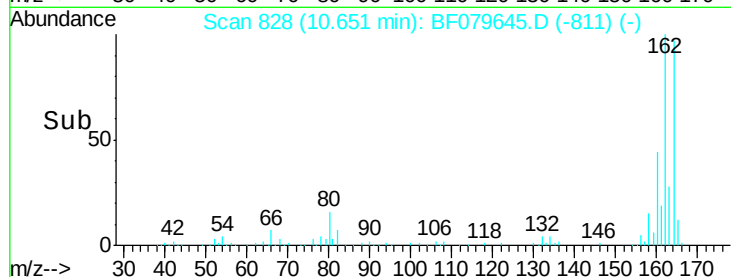
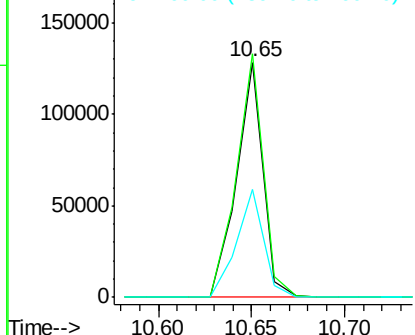
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.65 min Scan# 828
Delta R.T. -0.00 min
Lab File: BF079645.D
Acq: 31 May 2015 21:02

Instrument :
BNA_F
ClientSampleId :
SB-20D

Tgt Ion:164 Resp: 126967
Ion Ratio Lower Upper
164 100
162 103.5 82.6 124.0
160 45.9 37.7 56.5

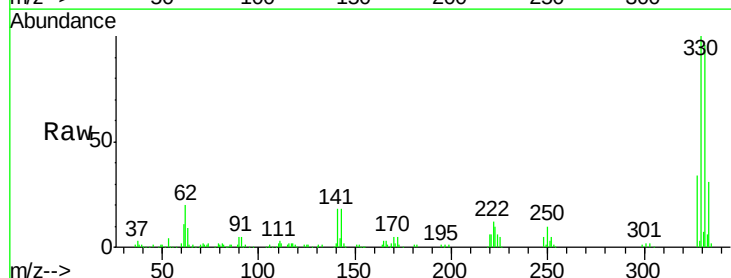


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

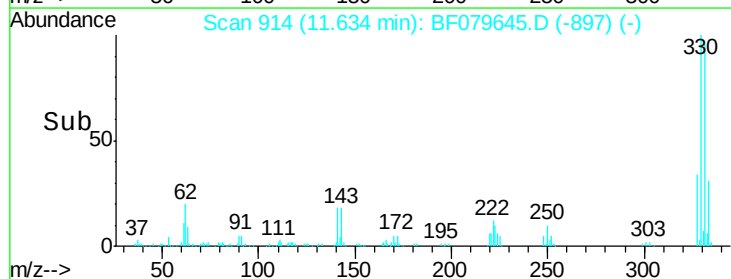
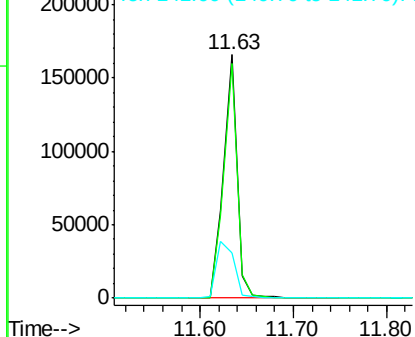


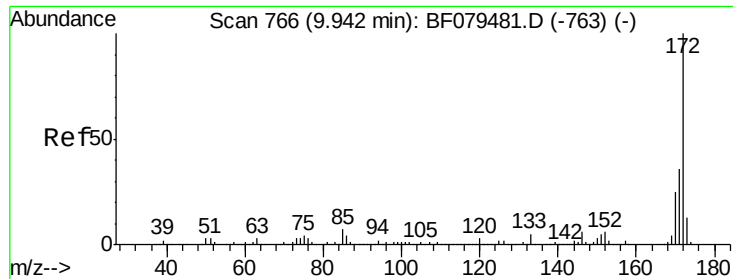
#41
2,4,6-Tribromophenol
Concen: 121.71 ng
RT: 11.63 min Scan# 914
Delta R.T. -0.00 min
Lab File: BF079645.D
Acq: 31 May 2015 21:02

Tgt Ion:330 Resp: 169731
Ion Ratio Lower Upper
330 100
332 96.4 0.0 0.0#
141 30.1 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

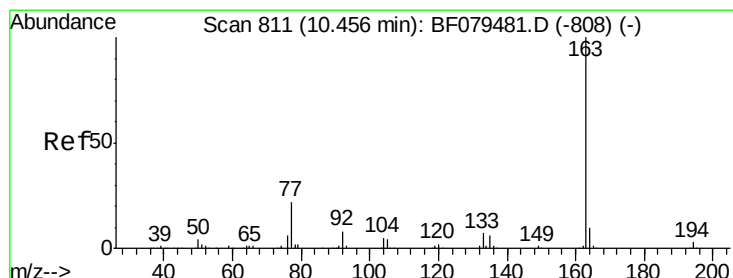
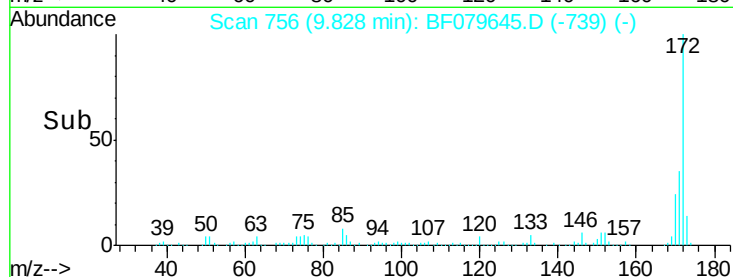
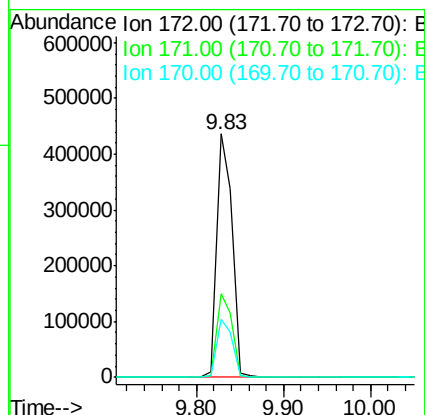
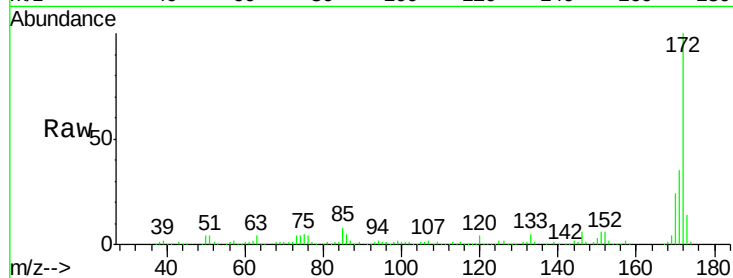




#44
 2-Fluorobiphenyl
 Concen: 61.67 ng
 RT: 9.83 min Scan# 756
 Delta R.T. -0.00 min
 Lab File: BF079645.D
 Acq: 31 May 2015 21:02

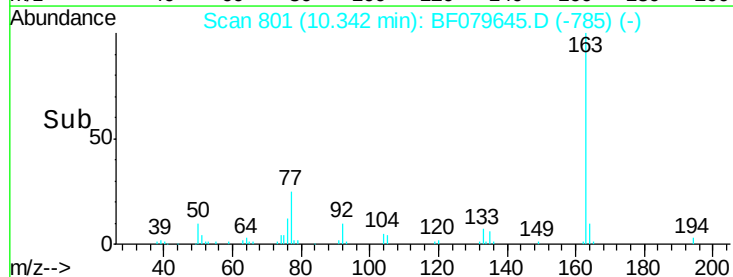
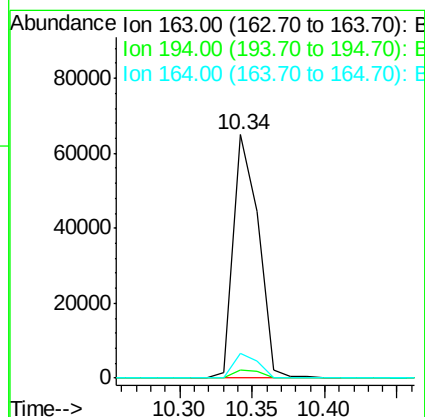
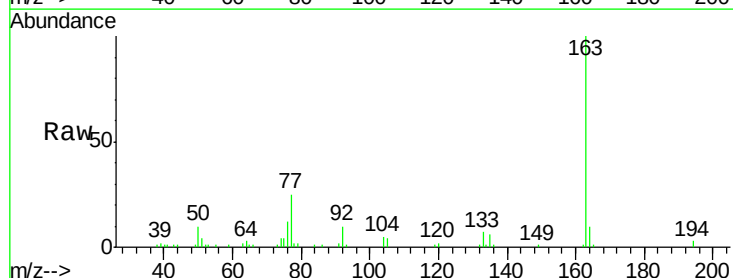
Instrument :
 BNA_F
 ClientSampled :
 SB-20D

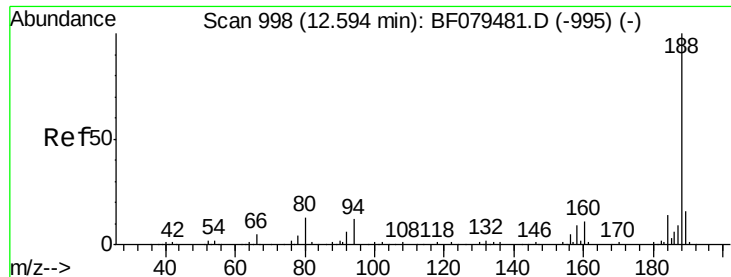
Tgt Ion:172 Resp: 548871
 Ion Ratio Lower Upper
 172 100
 171 34.6 28.5 42.7
 170 23.7 19.7 29.5



#49
 Dimethylphthalate
 Concen: 8.36 ng
 RT: 10.34 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: BF079645.D
 Acq: 31 May 2015 21:02

Tgt Ion:163 Resp: 78203
 Ion Ratio Lower Upper
 163 100
 194 3.1 2.4 3.6
 164 10.1 8.2 12.4

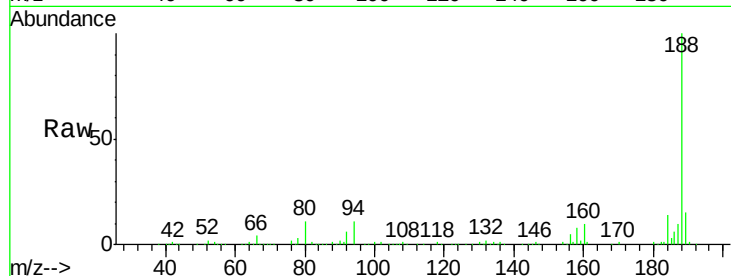




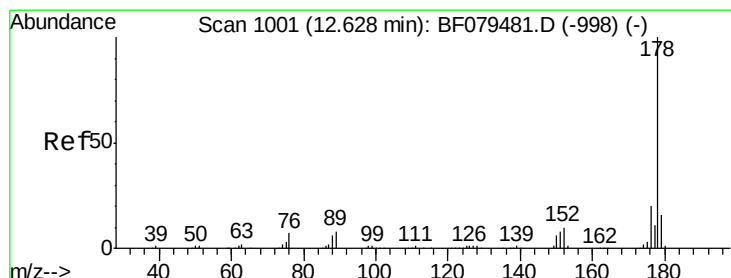
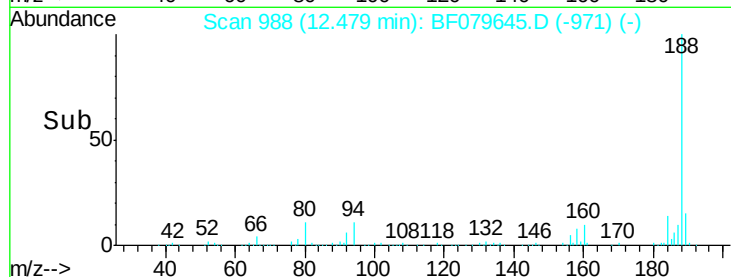
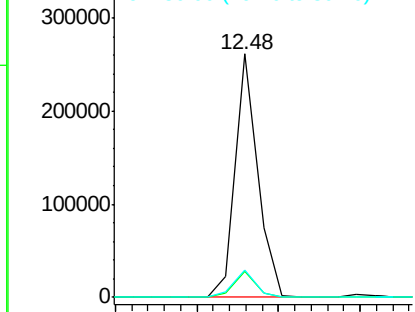
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.48 min Scan# 988
 Delta R.T. -0.00 min
 Lab File: BF079645.D
 Acq: 31 May 2015 21:02

Instrument :
 BNA_F
 ClientSampleId :
 SB-20D

Tgt Ion:188 Resp: 249234
 Ion Ratio Lower Upper
 188 100
 94 10.7 9.8 14.6
 80 11.0 10.5 15.7

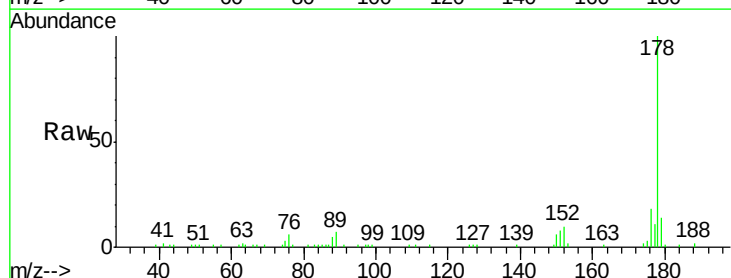


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

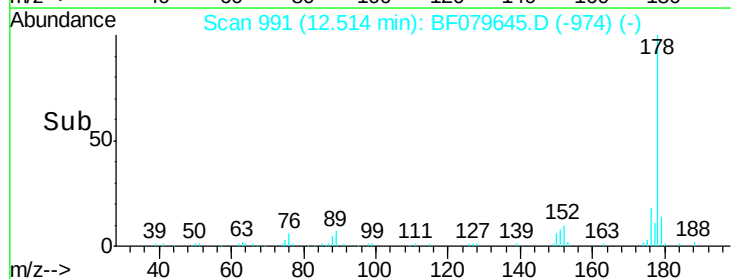
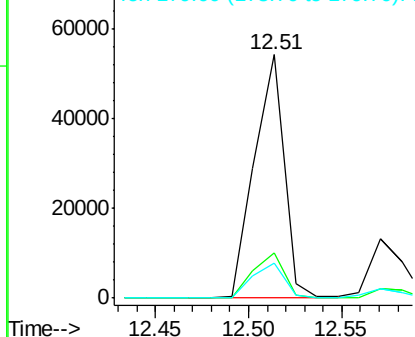


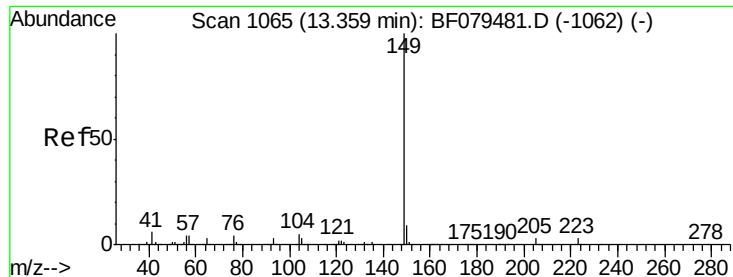
#70
 Phenanthrene
 Concen: 4.40 ng
 RT: 12.51 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: BF079645.D
 Acq: 31 May 2015 21:02

Tgt Ion:178 Resp: 60197
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.7 23.5
 179 14.3 12.4 18.6



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: BF079645.D

Acq: 31 May 2015 21:02

Instrument :

BNA_F

ClientSampleId :

SB-20D

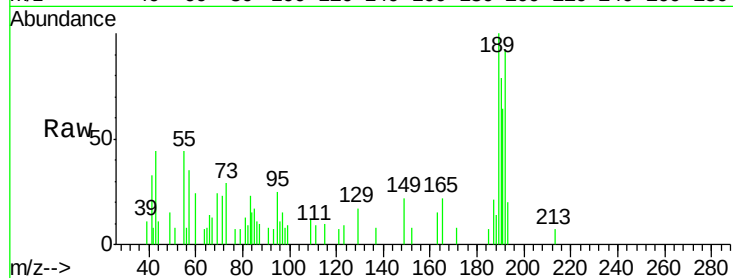
Tgt Ion:149 Resp: 1168

Ion Ratio Lower Upper

149 100

150 0.0 7.5 11.3#

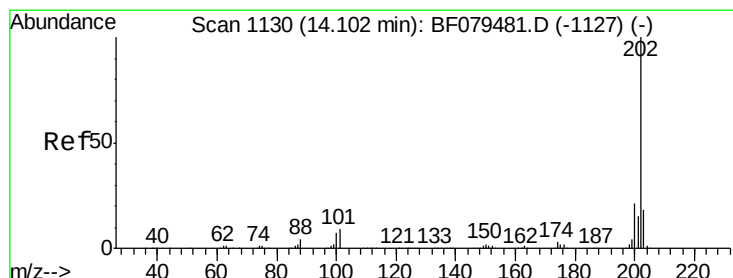
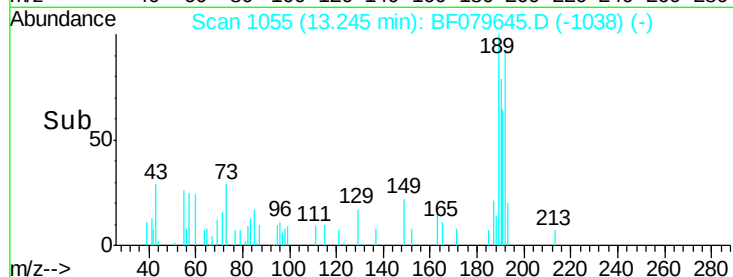
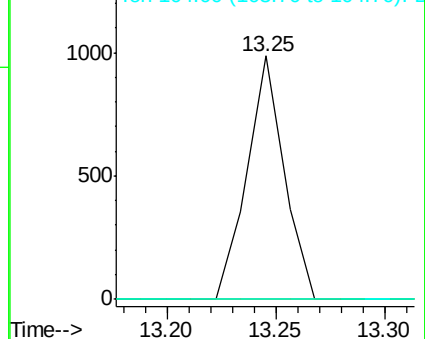
104 0.0 3.6 5.4#



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: 5.45 ng

RT: 13.98 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BF079645.D

Acq: 31 May 2015 21:02

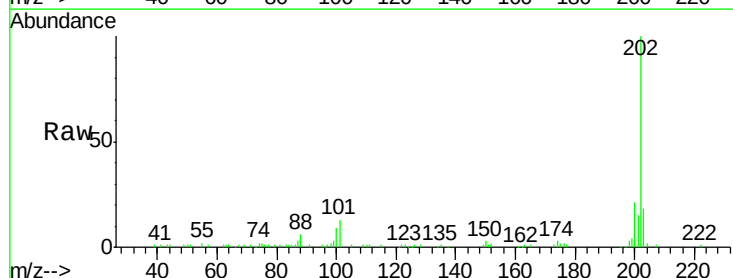
Tgt Ion:202 Resp: 79902

Ion Ratio Lower Upper

202 100

101 13.2 0.0 29.3

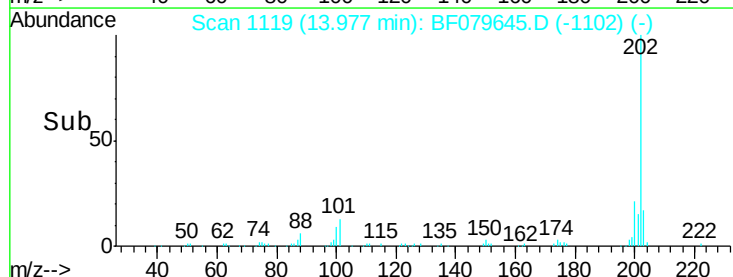
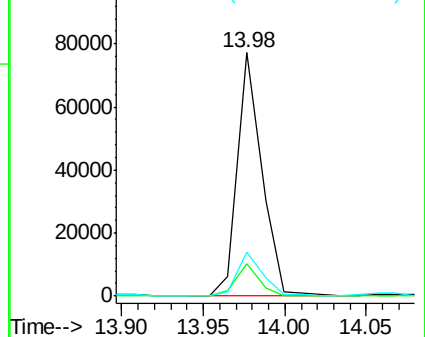
203 17.8 0.0 37.6

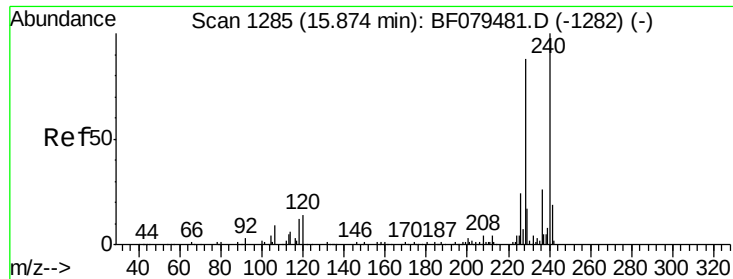


Abundance Ion 202.00 (201.70 to 202.70): E

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: 15.75 min Scan# 1274

Delta R.T. -0.00 min

Lab File: BF079645.D

Acq: 31 May 2015 21:02

Instrument :

BNA_F

ClientSampleId :

SB-20D

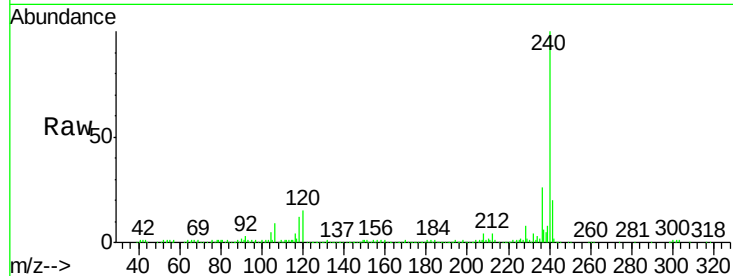
Tgt Ion:240 Resp: 266630

Ion Ratio Lower Upper

240 100

120 14.9 10.8 16.2

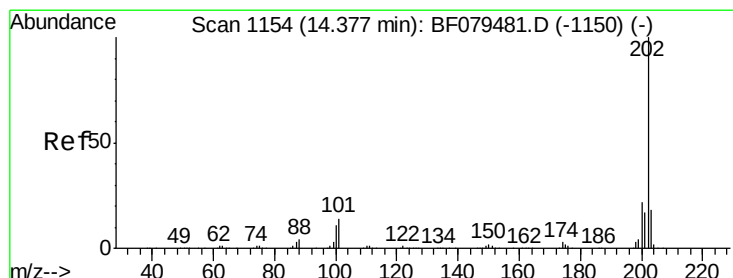
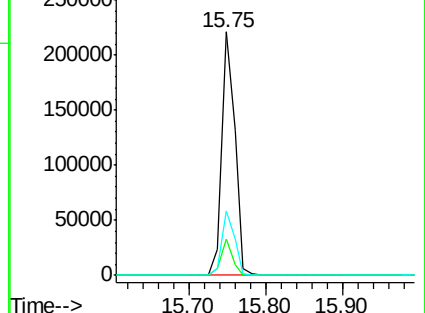
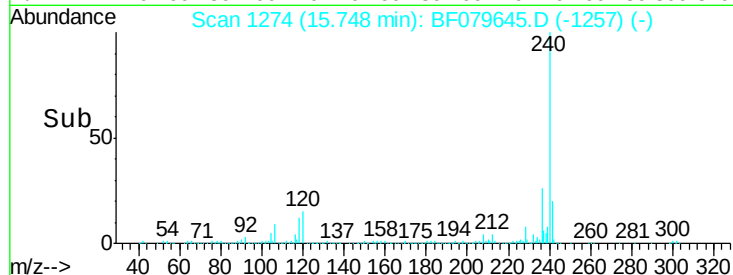
236 26.4 21.0 31.6



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: 5.76 ng

RT: 14.25 min Scan# 1143

Delta R.T. -0.00 min

Lab File: BF079645.D

Acq: 31 May 2015 21:02

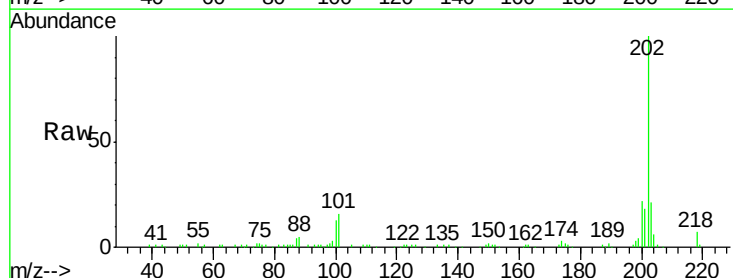
Tgt Ion:202 Resp: 95086

Ion Ratio Lower Upper

202 100

200 21.8 17.5 26.3

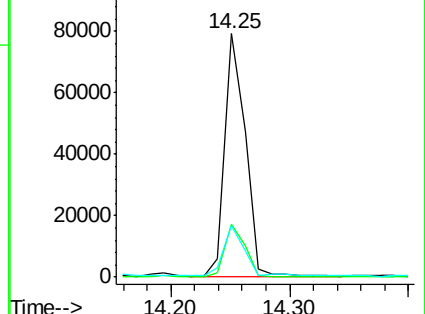
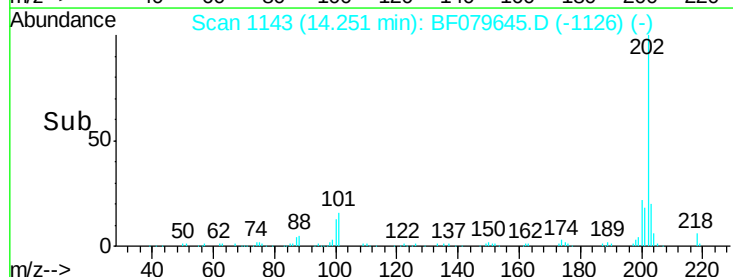
203 21.2 14.4 21.6

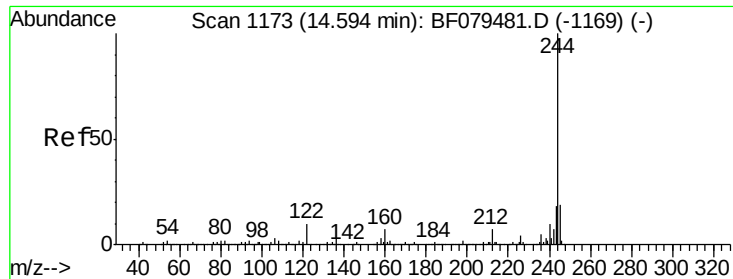


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 50.06 ng

RT: 14.48 min Scan# 1163

Delta R.T. 0.01 min

Lab File: BF079645.D

Acq: 31 May 2015 21:02

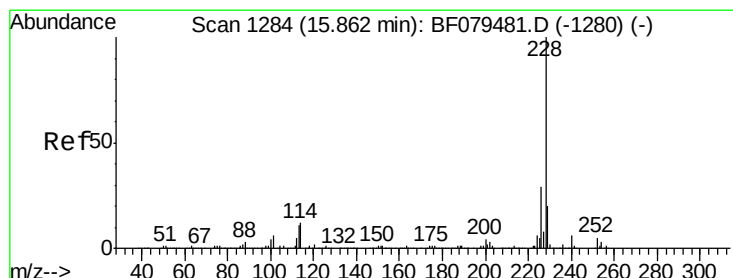
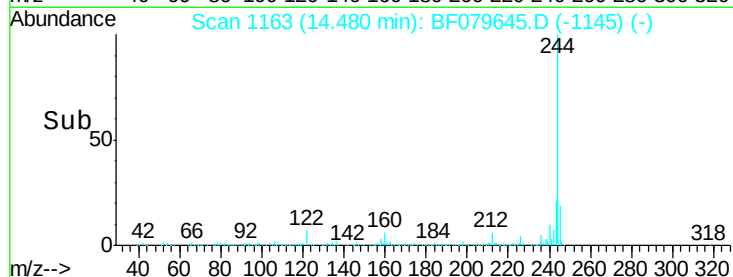
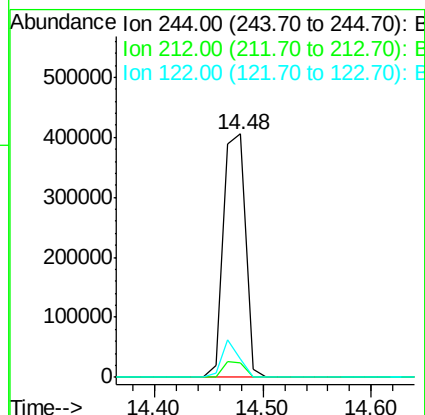
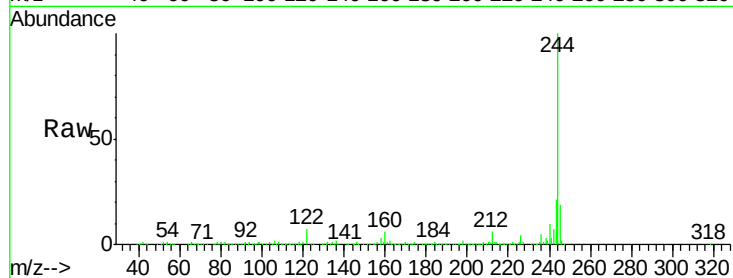
Instrument :

BNA_F

ClientSampleId :

SB-20D

Tgt Ion:	244	Resp:	568767
Ion Ratio	Lower	Upper	
244	100		
212	5.9	5.2	7.8
122	7.4	8.0	12.0#



#80

Benzo(a)anthracene

Concen: 2.09 ng

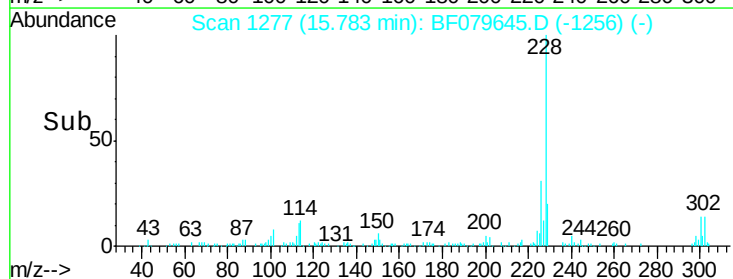
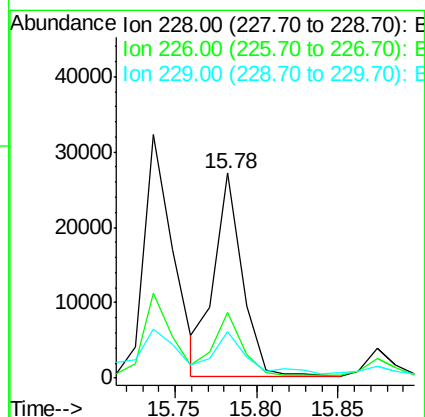
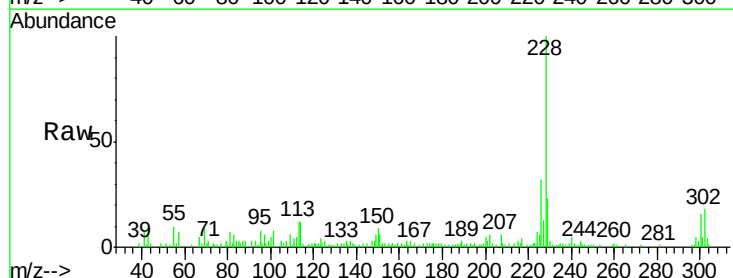
RT: 15.78 min Scan# 1277

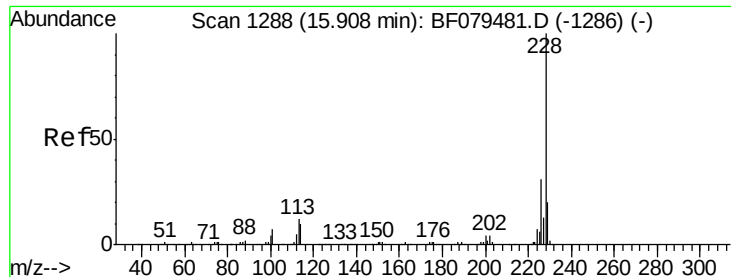
Delta R.T. 0.05 min

Lab File: BF079645.D

Acq: 31 May 2015 21:02

Tgt Ion:	228	Resp:	32066
Ion Ratio	Lower	Upper	
228	100		
226	31.9	22.8	34.2
229	22.7	15.9	23.9





#82

Chrysene

Concen: 2.23 ng

RT: 15.78 min Scan# 1277

Delta R.T. -0.00 min

Lab File: BF079645.D

Acq: 31 May 2015 21:02

Instrument :

BNA_F

ClientSampleId :

SB-20D

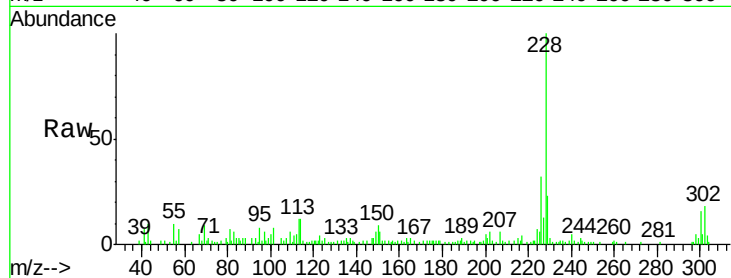
Tgt Ion:228 Resp: 32565

Ion Ratio Lower Upper

228 100

226 31.9 25.0 37.4

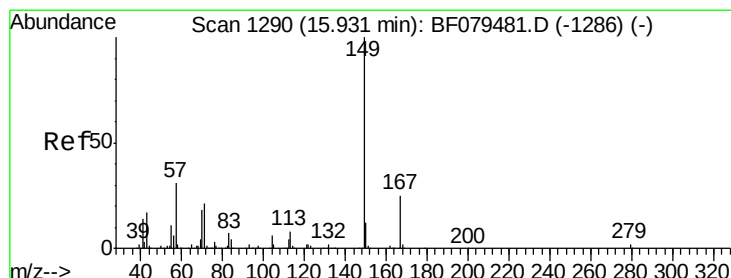
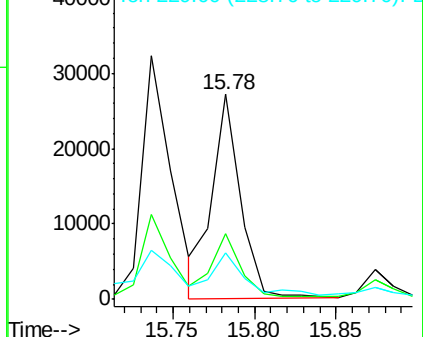
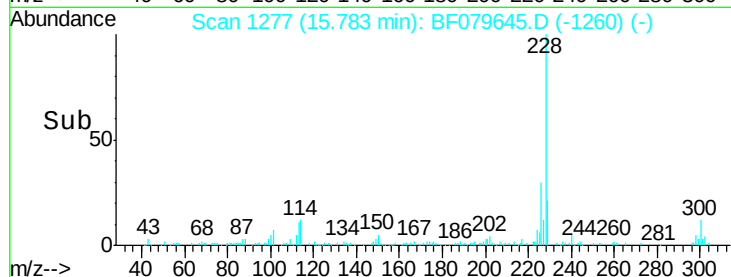
229 22.7 15.9 23.9



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 8.01 ng

RT: 15.82 min Scan# 1280

Delta R.T. -0.00 min

Lab File: BF079645.D

Acq: 31 May 2015 21:02

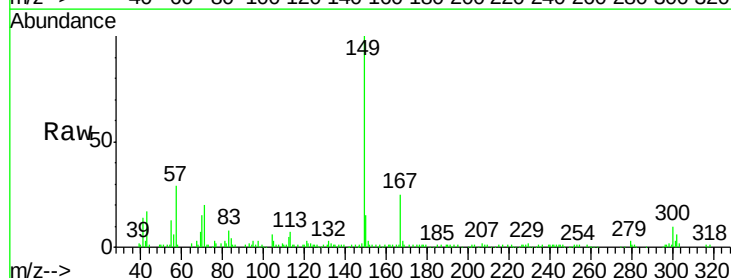
Tgt Ion:149 Resp: 85294

Ion Ratio Lower Upper

149 100

167 24.9 20.2 30.4

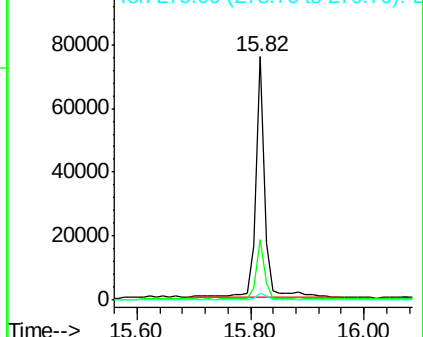
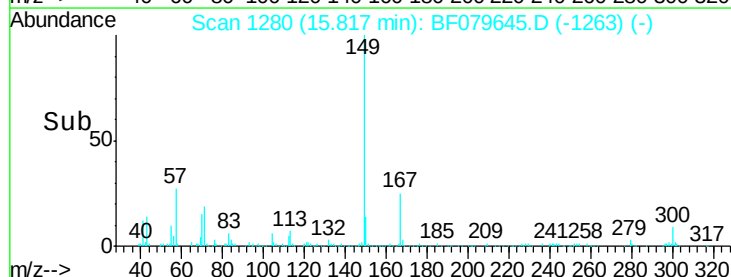
279 2.7 2.0 3.0

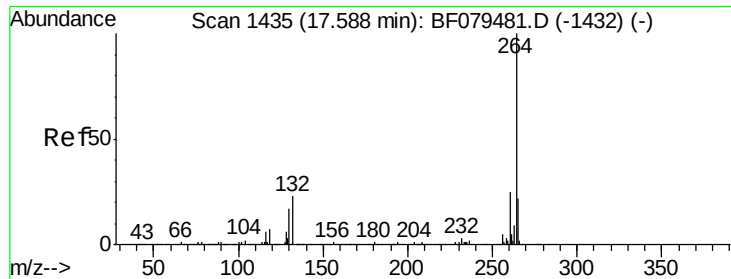


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

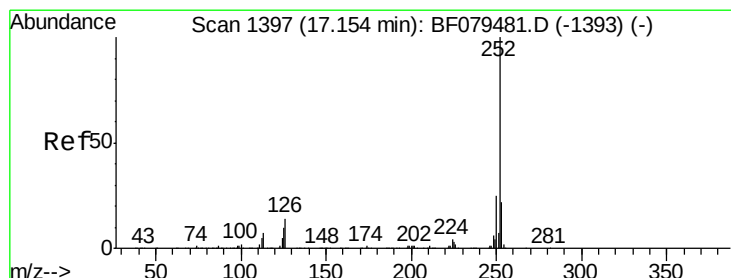
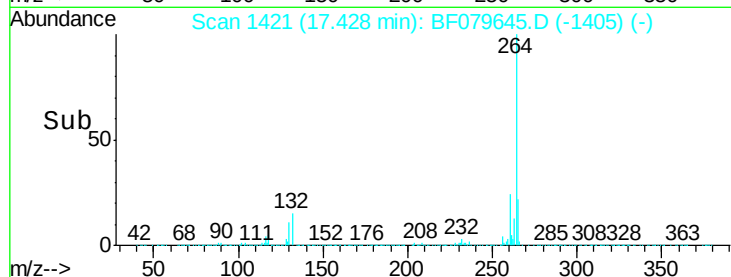
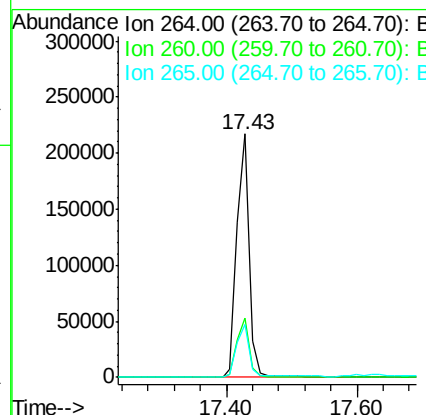
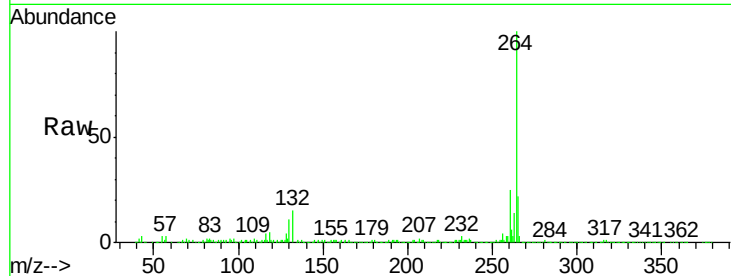




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.43 min Scan# 1421
Delta R.T. -0.01 min
Lab File: BF079645.D
Acq: 31 May 2015 21:02

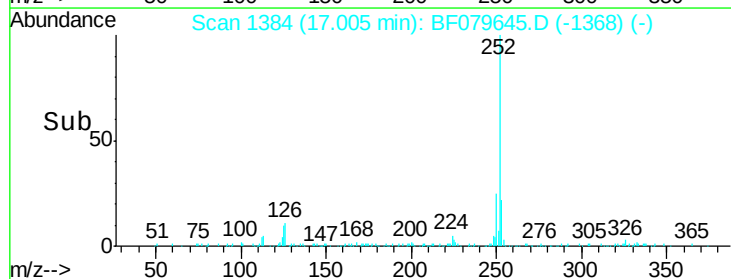
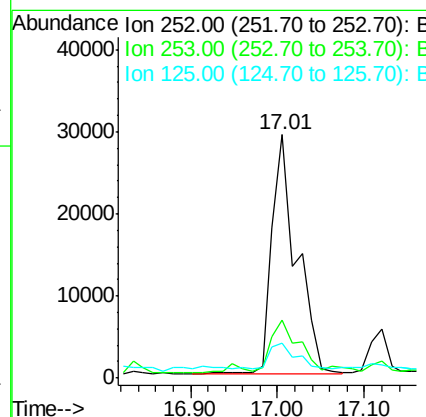
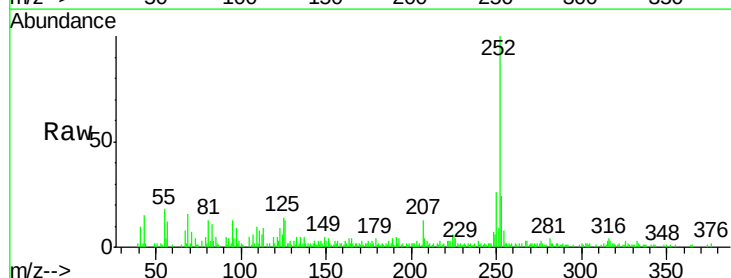
Instrument :
BNA_F
ClientSampleId :
SB-20D

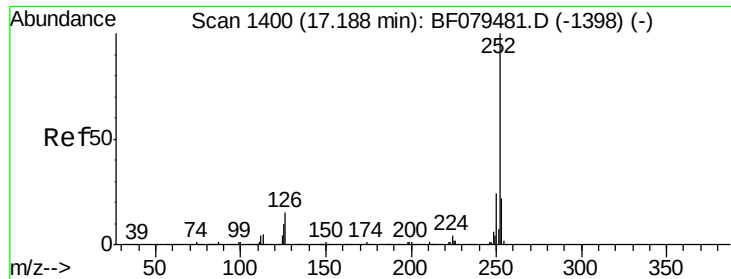
Tgt Ion:264 Resp: 277348
Ion Ratio Lower Upper
264 100
260 24.5 19.8 29.8
265 21.8 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 3.67 ng
RT: 17.01 min Scan# 1384
Delta R.T. -0.01 min
Lab File: BF079645.D
Acq: 31 May 2015 21:02

Tgt Ion:252 Resp: 57997
Ion Ratio Lower Upper
252 100
253 23.9 17.6 26.4
125 14.3 7.8 11.6#





#88

Benzo(k)fluoranthene

Concen: 4.10 ng

RT: 17.01 min Scan# 1384

Delta R.T. -0.03 min

Lab File: BF079645.D

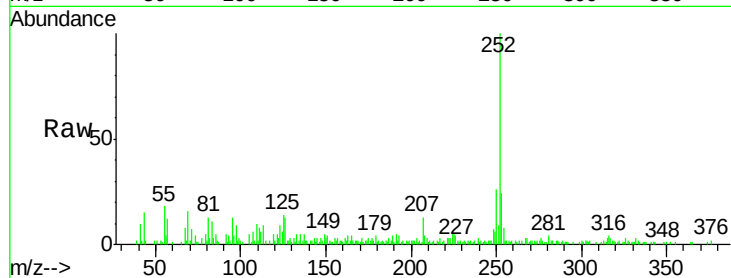
Acq: 31 May 2015 21:02

Instrument :

BNA_F

ClientSampleId :

SB-20D



Tgt Ion:	252	Resp:	57997
Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.2	25.8
125	14.3	6.8	10.2

