

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\
 Data File : BF079686.D
 Acq On : 4 Jun 2015 4:28
 Operator : TP/IZ
 Sample : G2408-25
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-14D

Manual Integrations
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 6/5/2015 8:10:15 AM

Quant Time: Jun 04 05:42:22 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 03 15:20:47 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	87696	20.00	ng	0.00
21) Naphthalene-d8	8.81	136	330989	20.00	ng	0.00
38) Acenaphthene-d10	10.59	164	168648	20.00	ng	0.00
63) Phenanthrene-d10	12.10	188	316853	20.00	ng	-0.03
75) Chrysene-d12	15.06	240	326245m	20.00	ng	-0.32
86) Perylene-d12	17.02	264	318759m	20.00	ng	-0.47
System Monitoring Compounds						
5) 2-Fluorophenol	6.14	112	623162	128.69	ng	0.00
7) Phenol-d6	7.11	99	796184	126.29	ng	0.00
23) Nitrobenzene-d5	8.08	82	431216	76.86	ng	0.00
41) 2,4,6-Tribromophenol	11.39	330	175222	125.89	ng	0.00
44) 2-Fluorobiphenyl	9.88	172	954240	85.72	ng	0.00
78) Terphenyl-d14	13.78	244	1028764	79.70	ng	-0.17
Target Compounds						Qvalue
49) Dimethylphthalate	10.27	163	137413	11.12	ng	98
51) Acenaphthene	10.63	154	57379	5.61	ng	98
54) Dibenzofuran	10.80	168	41752	2.81	ng	95
57) Fluorene	11.14	166	65290	5.38	ng	98
70) Phenanthrene	12.13	178	1013274	57.84	ng	100
71) Anthracene	12.18	178	252972	14.35	ng	99
72) Carbazole	12.33	167	52590	3.25	ng	# 96
74) Fluoranthene	13.39	202	1385118	73.33	ng	95
77) Pyrene	13.65	202	1354632	72.11	ng	99
80) Benzo(a)anthracene	15.04	228	734818m	41.19	ng	
82) Chrysene	15.09	228	656100m	36.55	ng	
83) Bis(2-ethylhexyl)phthalate	14.99	149	49643m	7.54	ng	
85) Indeno(1,2,3-cd)pyrene	19.04	276	305106m	17.38	ng	
87) Benzo(b)fluoranthene	16.43	252	789954m	47.96	ng	
88) Benzo(k)fluoranthene	16.47	252	227874m	11.81	ng	
89) Benzo(a)pyrene	16.94	252	607239m	37.70	ng	
90) Dibenzo(a,h)anthracene	19.05	278	81052m	5.37	ng	
91) Benzo(g,h,i)perylene	19.66	276	324948m	20.30	ng	

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

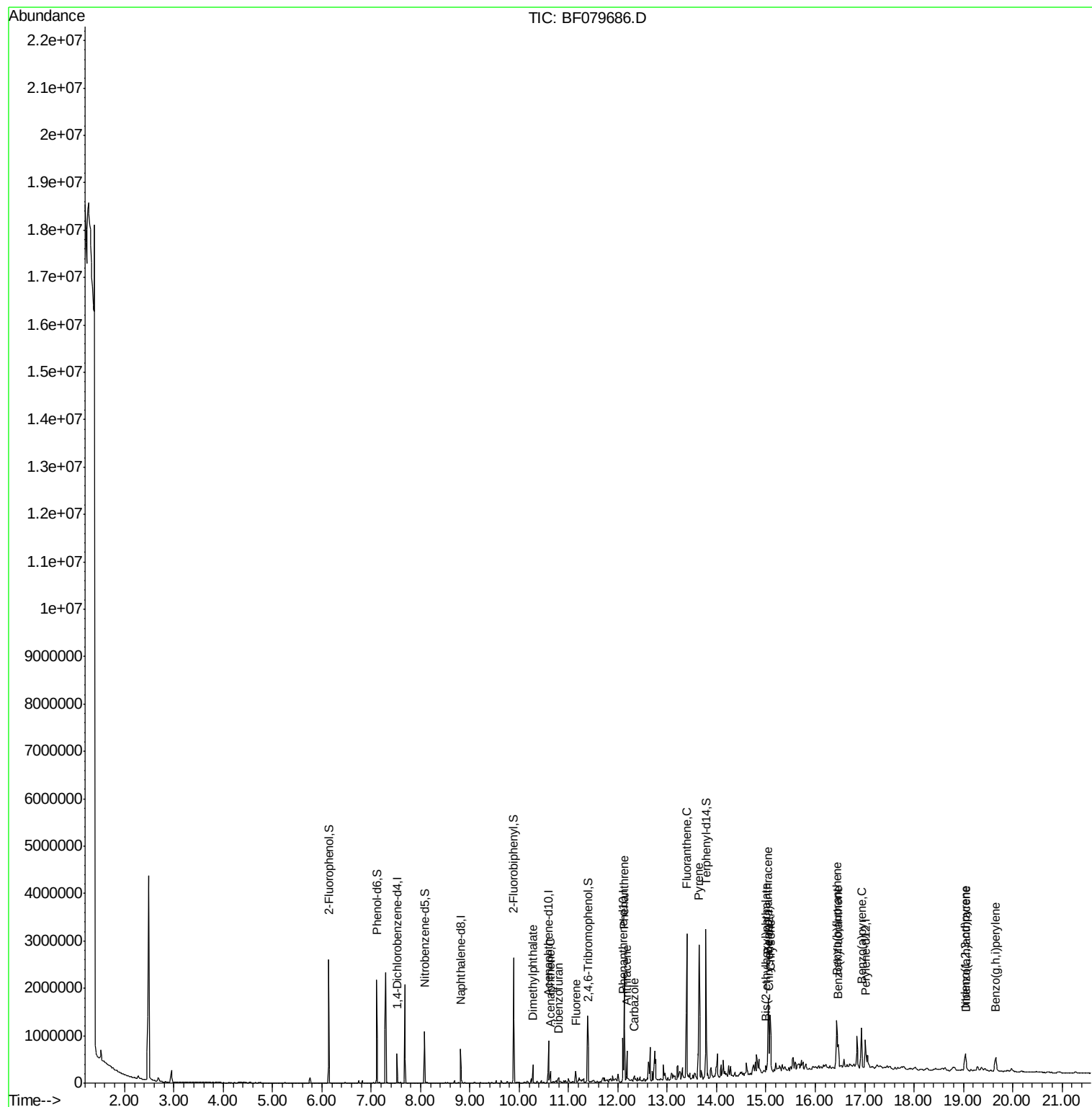
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\
Data File : BF079686.D
Acq On : 4 Jun 2015 4:28
Operator : TP/IZ
Sample : G2408-25
Misc :
ALS Vial : 32 Sample Multiplier: 1

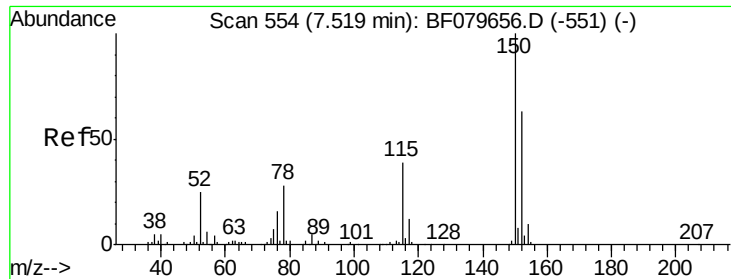
Instrument :
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Quant Time: Jun 04 05:42:22 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

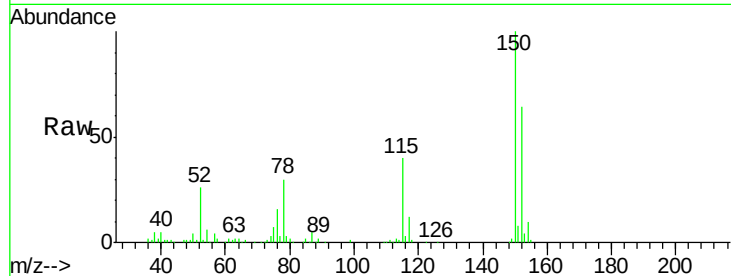
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.52 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF079686.D
Acq: 4 Jun 2015 4:28

Instrument :
BNA_F
ClientSampled :
SB-14D

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	126.7	190.1
115	62.5	49.2	73.8

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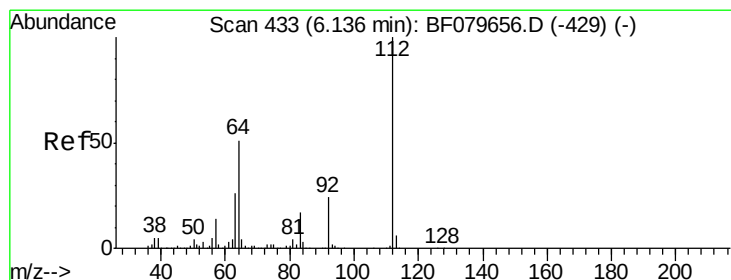
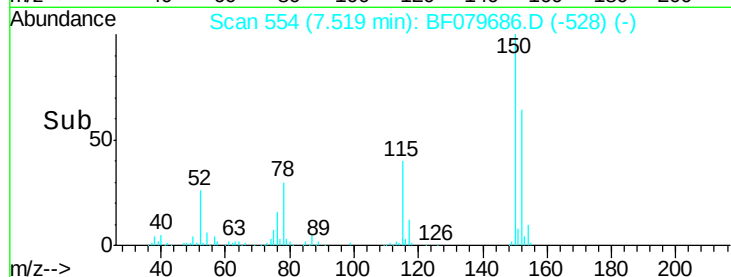
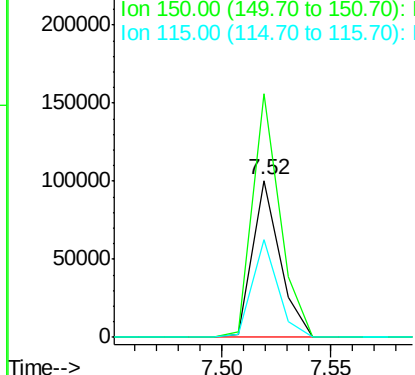


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

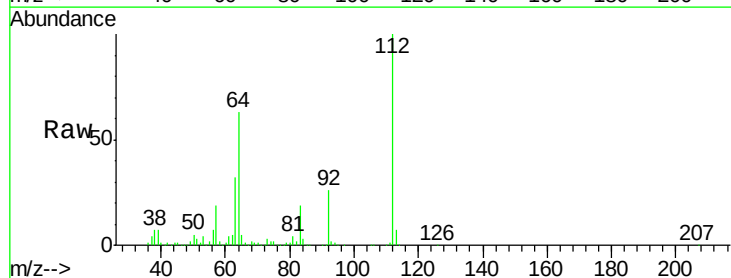
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 128.69 ng
RT: 6.14 min Scan# 433
Delta R.T. 0.00 min
Lab File: BF079686.D
Acq: 4 Jun 2015 4:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.3	41.1	61.7#
63	32.3	20.5	30.7#

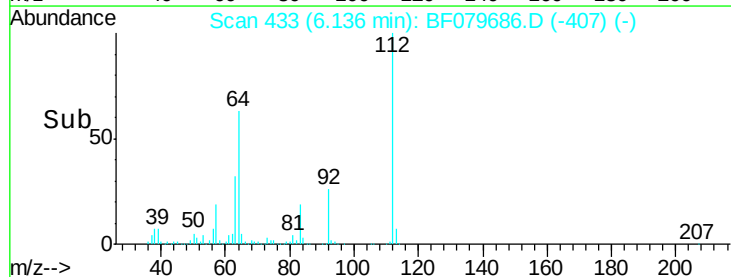
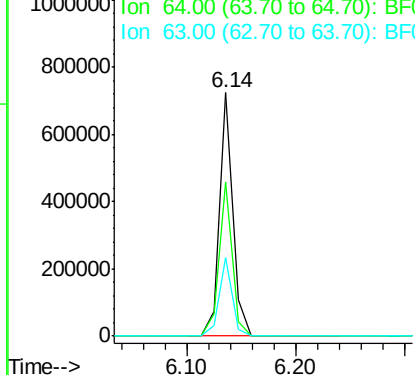


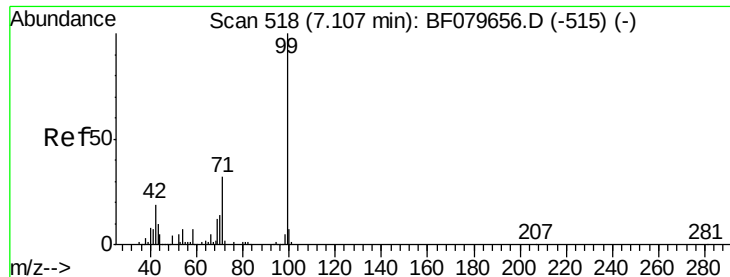
Abundance

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: 126.29 ng

RT: 7.11 min Scan# 518

Delta R.T. 0.00 min

Lab File: BF079686.D

Acq: 4 Jun 2015 4:28

Instrument :

BNA_F

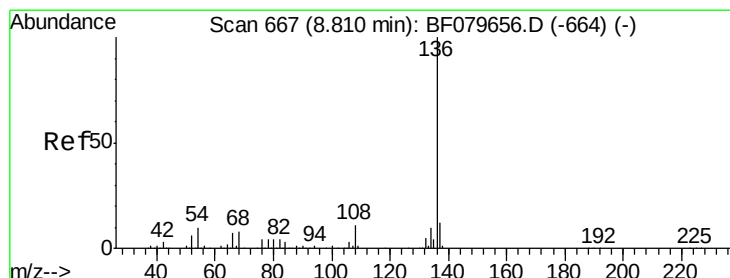
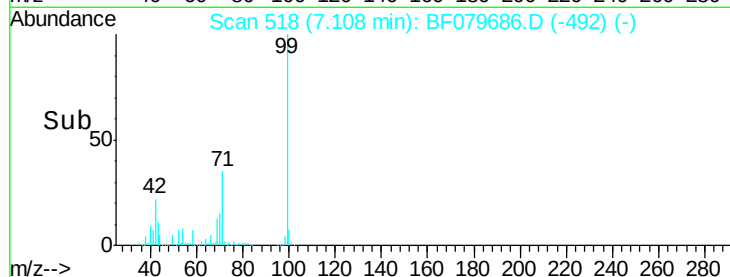
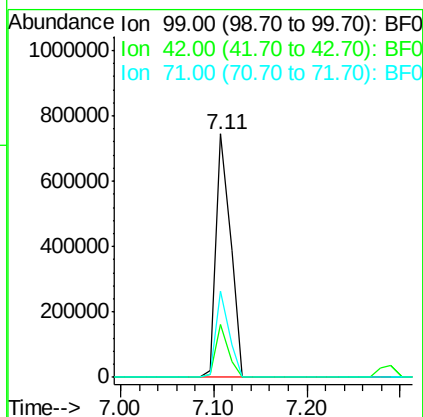
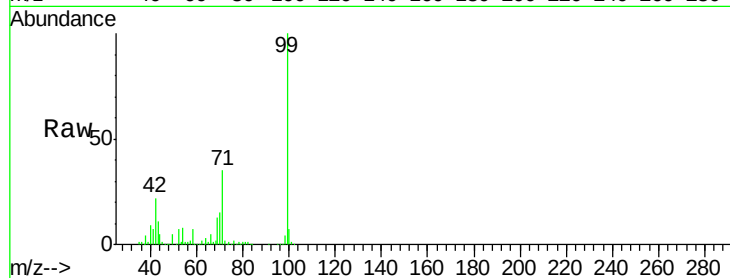
ClientSampleId :

SB-14D

Tot Ion:	99	Resp:	796184
Ion Ratio	Lower	Upper	
99	100		
42	21.7	15.2	22.8
71	35.3	25.9	38.9

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#21

Naphthalene-d8

Concen: 20.00 ng

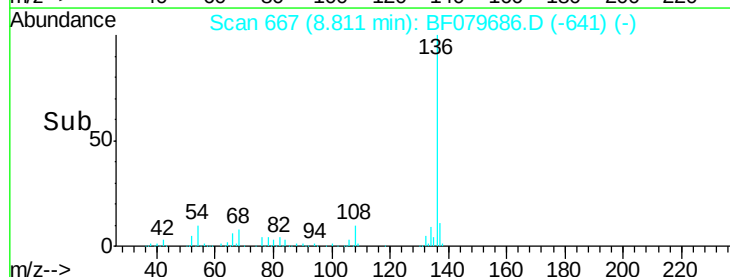
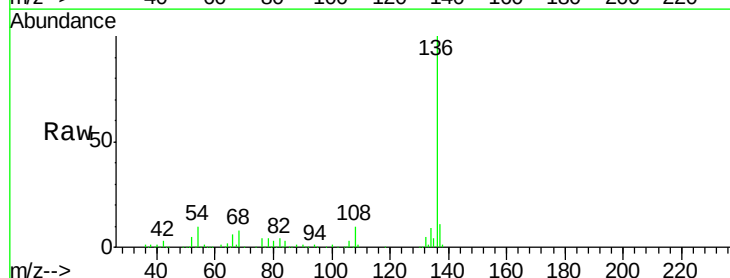
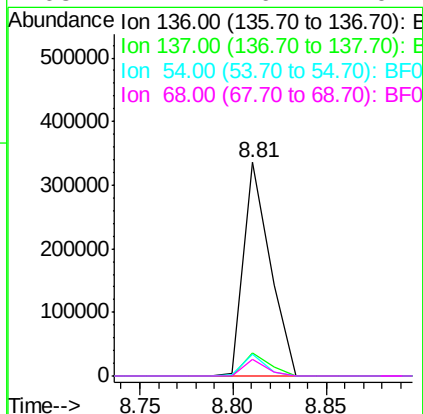
RT: 8.81 min Scan# 667

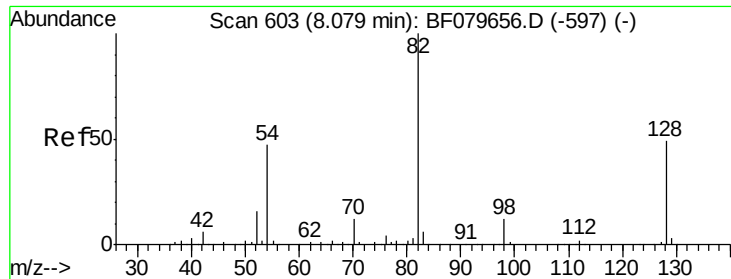
Delta R.T. 0.00 min

Lab File: BF079686.D

Acq: 4 Jun 2015 4:28

Tgt Ion:	136	Resp:	330989
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.3	13.9
54	10.2	8.3	12.5
68	7.7	6.1	9.1





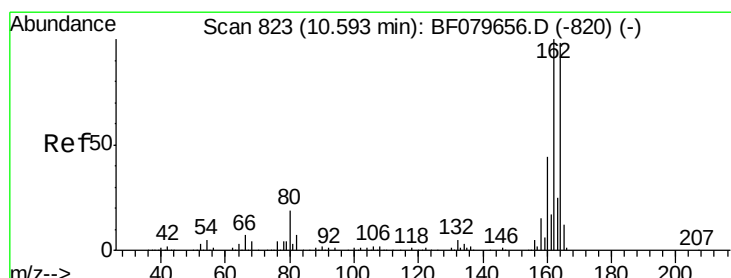
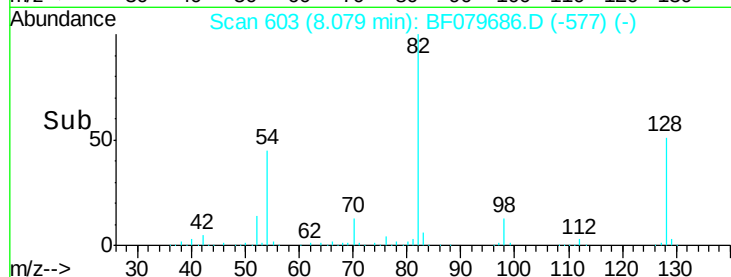
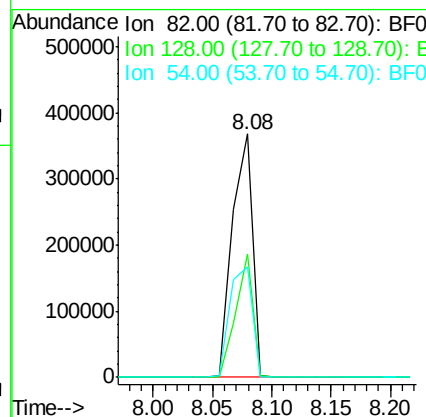
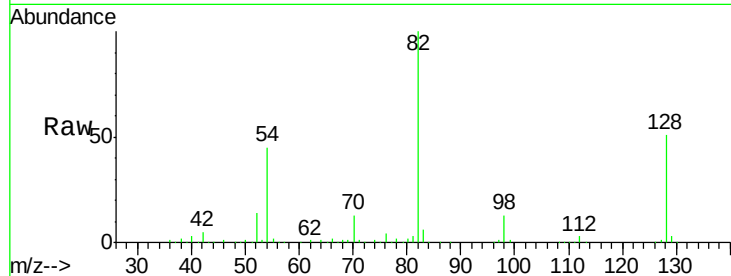
#23
 Nitrobenzene-d5
 Concen: 76.86 ng
 RT: 8.08 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: BF079686.D
 Acq: 4 Jun 2015 4:28

Instrument :
 BNA_F
 ClientSampled :
 SB-14D

Tot Ion	Ratio	Lower	Upper
82	100		
128	50.8	39.4	59.0
54	45.4	37.4	56.0

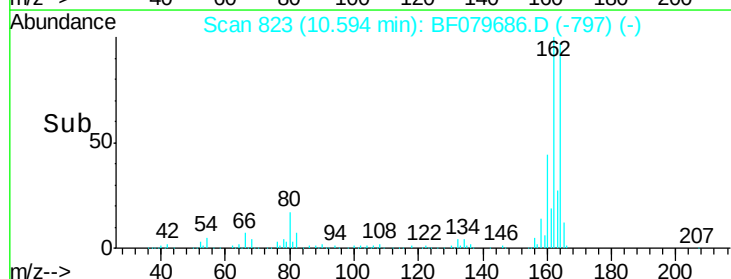
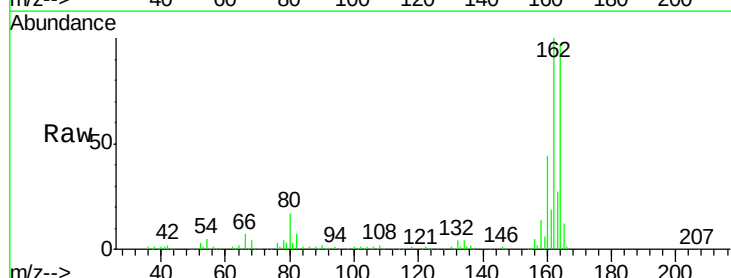
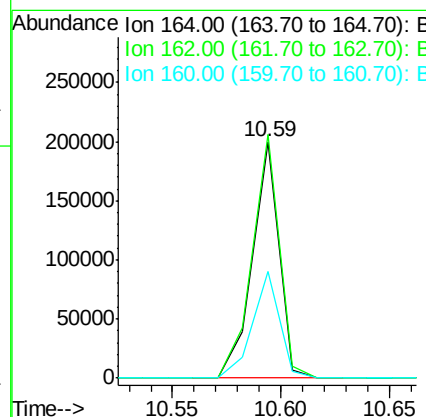
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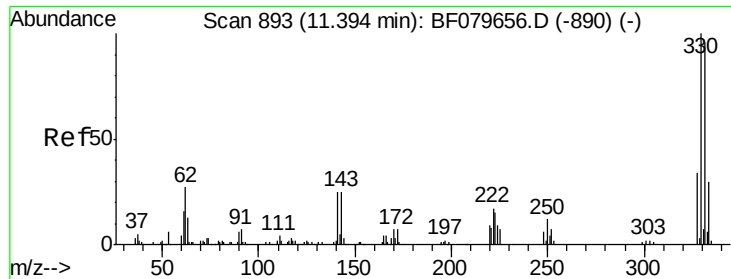
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.59 min Scan# 823
 Delta R.T. 0.00 min
 Lab File: BF079686.D
 Acq: 4 Jun 2015 4:28

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	82.0	123.0
160	45.2	35.9	53.9





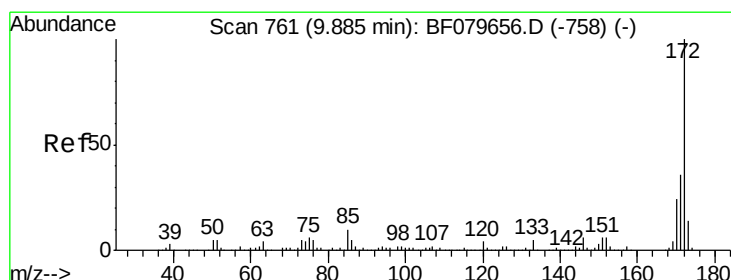
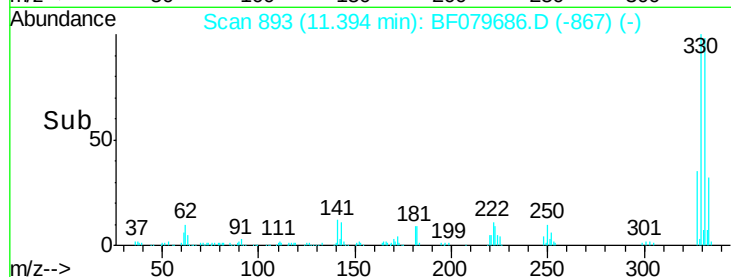
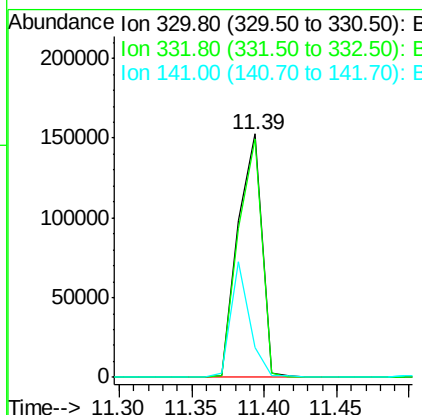
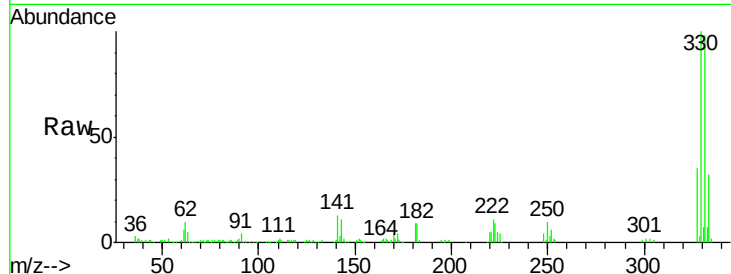
#41
 2,4,6-Tribromophenol
 Concen: 125.89 ng
 RT: 11.39 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: BF079686.D
 Acq: 4 Jun 2015 4:28

Instrument :
 BNA_F
 ClientSampled :
 SB-14D

Tot Ion	Ratio	Resp	Lower	Upper
330	100	175222		
332	96.8		77.3	115.9
141	38.4		27.4	41.2

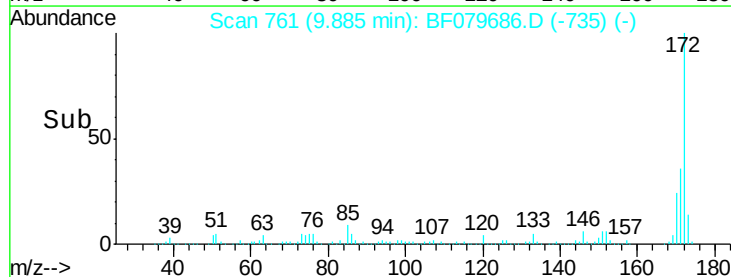
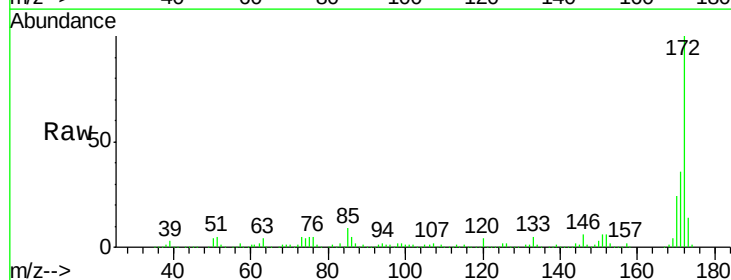
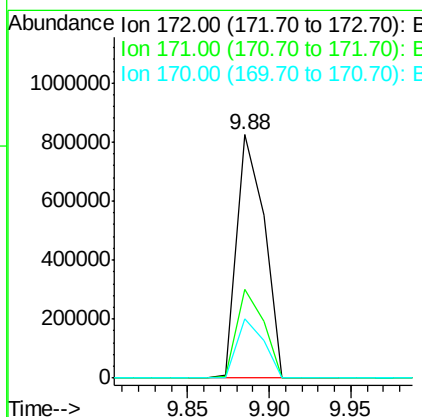
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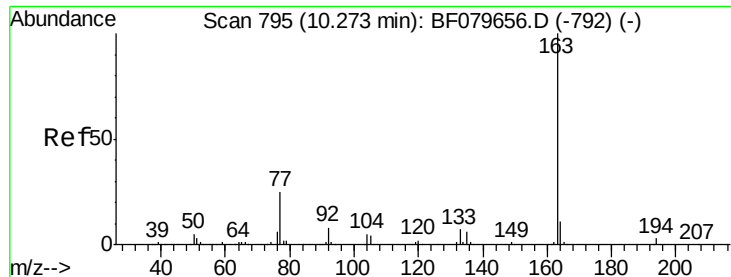
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#44
 2-Fluorobiphenyl
 Concen: 85.72 ng
 RT: 9.88 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: BF079686.D
 Acq: 4 Jun 2015 4:28

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	954240		
171	36.3		28.8	43.2
170	24.4		19.2	28.8





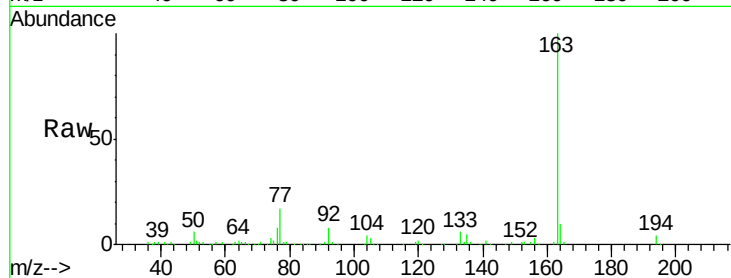
#49
Dimethylphthalate
Concen: 11.12 ng
RT: 10.27 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF079686.D
Acq: 4 Jun 2015 4:28

Instrument :
BNA_F
ClientSampleId :
SB-14D

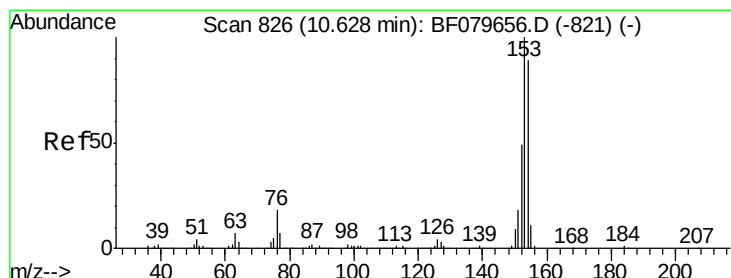
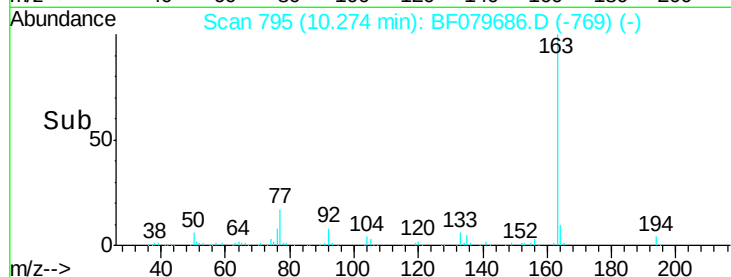
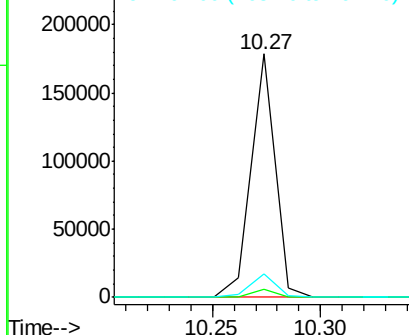
Tot Ion	Ratio	Resp	Lower	Upper
163	100	137413		
194	3.5	2.6	3.8	
164	9.8	8.6	12.8	

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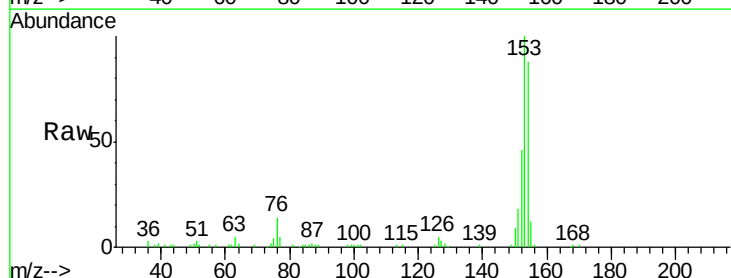


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

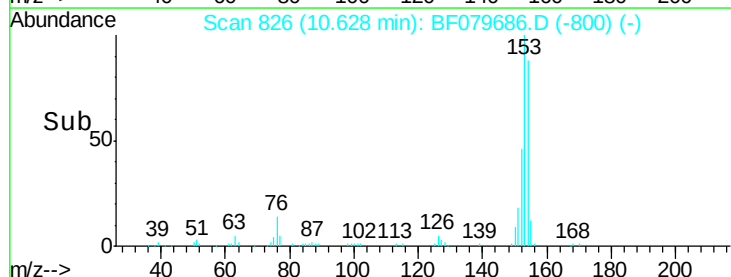
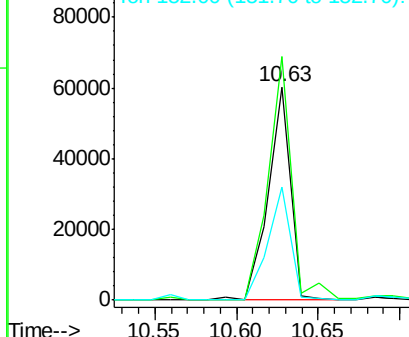


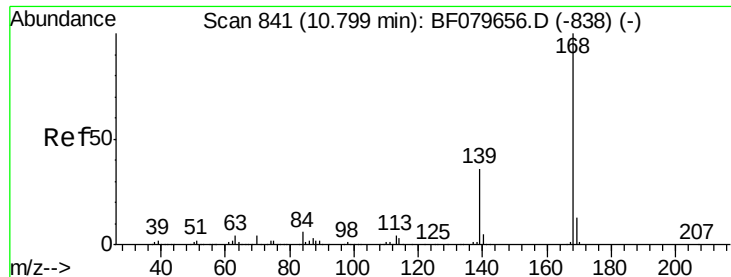
#51
Acenaphthene
Concen: 5.61 ng
RT: 10.63 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF079686.D
Acq: 4 Jun 2015 4:28

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	57379		
153	114.2	89.8	134.6	
152	53.0	43.8	65.8	



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





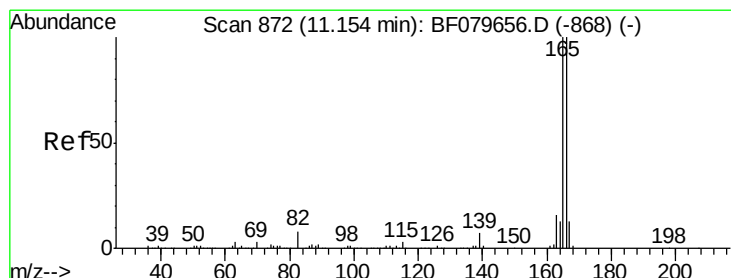
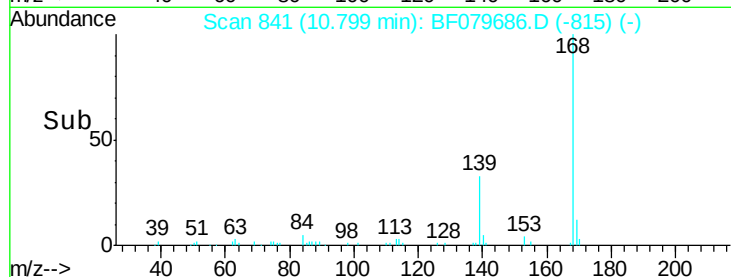
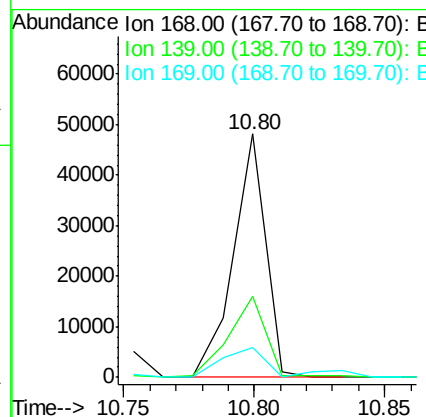
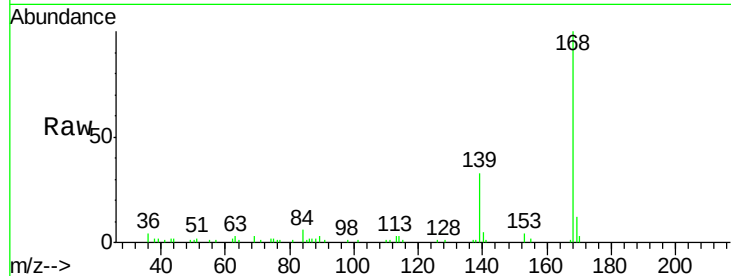
#54
Dibenzo(furan)
Concen: 2.81 ng
RT: 10.80 min Scan# 841
Delta R.T. 0.00 min
Lab File: BF079686.D
Acq: 4 Jun 2015 4:28

Instrument :
BNA_F
ClientSampleId :
SB-14D

Tot Ion	Ratio	Resp	Lower	Upper
168	100	41752		
139	33.3	29.1	43.7	
169	12.1	10.7	16.1	

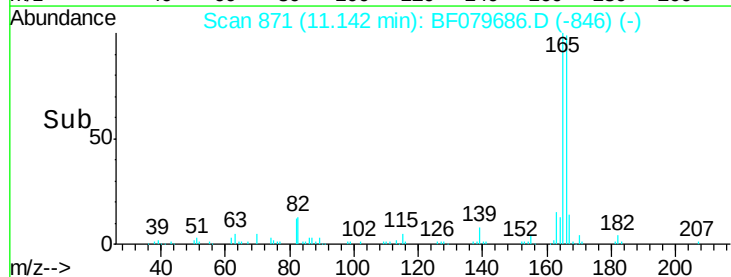
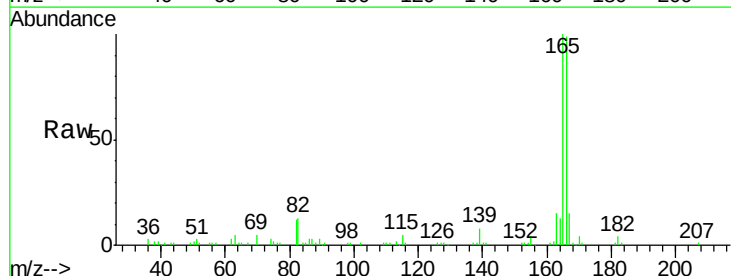
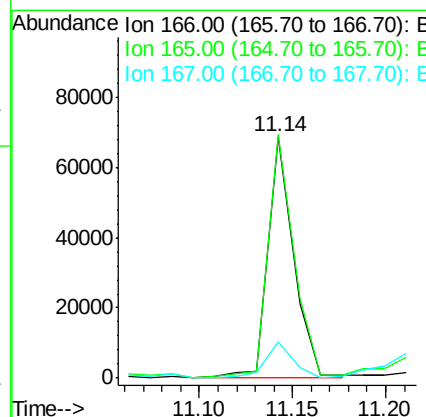
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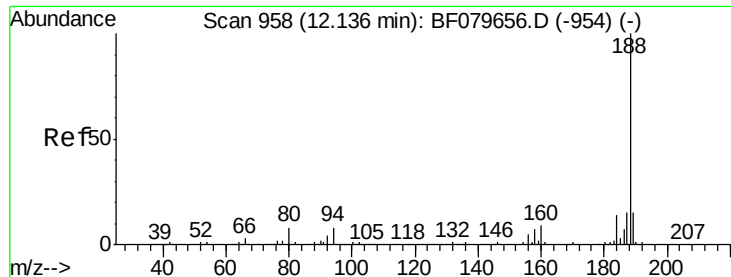
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#57
Fluorene
Concen: 5.38 ng
RT: 11.14 min Scan# 871
Delta R.T. -0.01 min
Lab File: BF079686.D
Acq: 4 Jun 2015 4:28

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	65290		
165	100.8	79.8	119.6	
167	15.1	10.6	15.8	





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.10 min Scan# 955

Delta R.T. -0.03 min

Lab File: BF079686.D

Acq: 4 Jun 2015 4:28

Instrument :

BNA_F

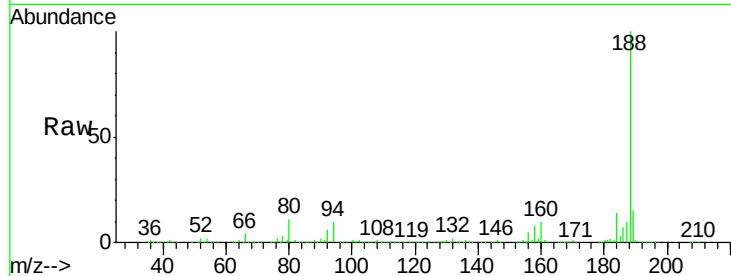
ClientSampleId :

SB-14D

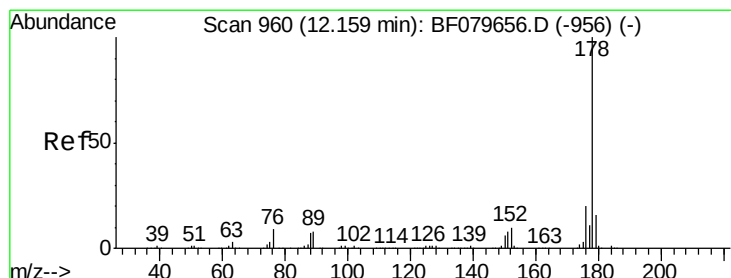
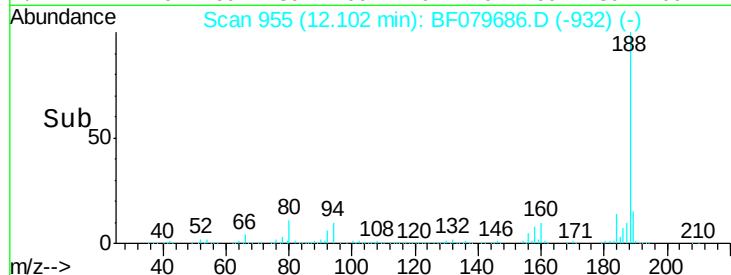
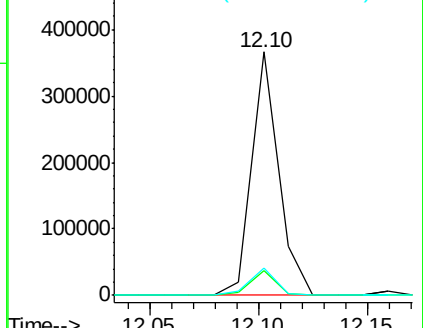
Tot Ion:	188	Resp:	316853
Ion Ratio	Lower	Upper	
188	100		
94	10.4	6.1	9.1#
80	11.2	6.2	9.2#

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Abundance Ion 188.00 (187.70 to 188.70): E



#70

Phenanthrene

Concen: 57.84 ng

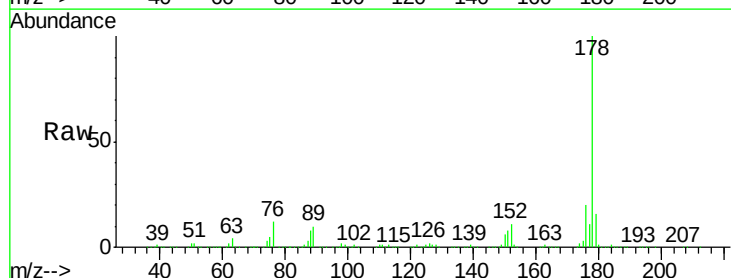
RT: 12.13 min Scan# 957

Delta R.T. -0.03 min

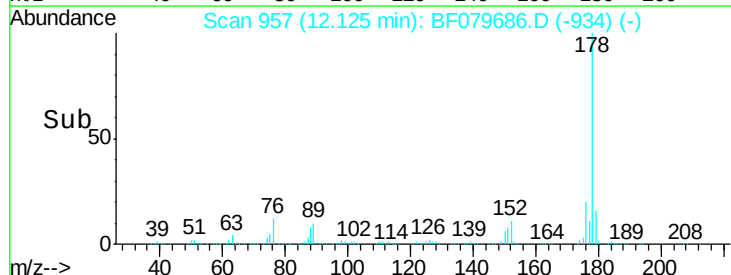
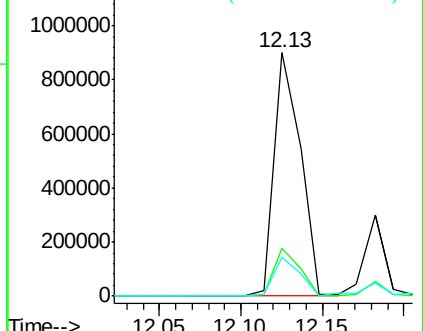
Lab File: BF079686.D

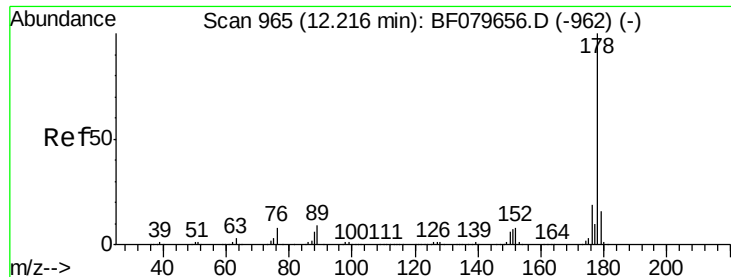
Acq: 4 Jun 2015 4:28

Tgt Ion:	178	Resp:	1013274
Ion Ratio	Lower	Upper	
178	100		
176	19.9	15.8	23.8
179	15.8	12.7	19.1



Abundance Ion 178.00 (177.70 to 178.70): E





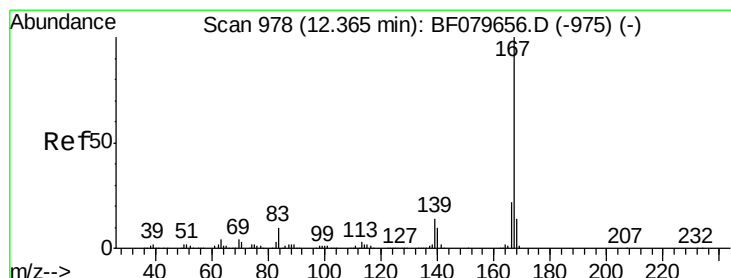
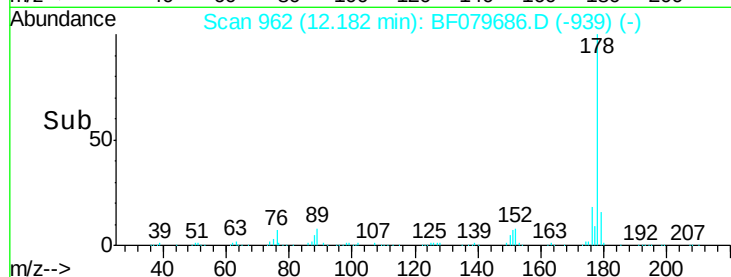
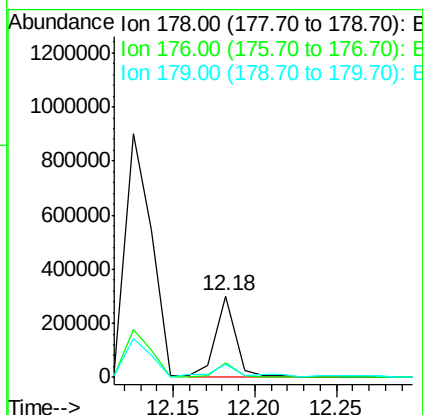
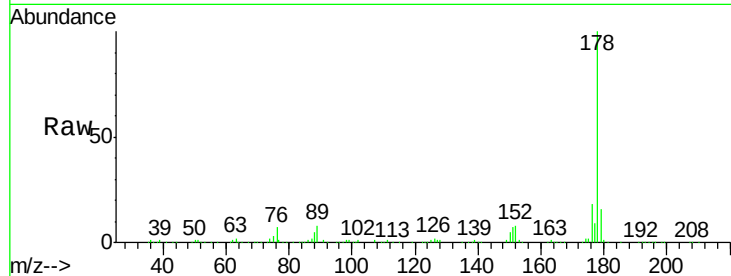
#71
 Anthracene
 Concen: 14.35 ng
 RT: 12.18 min Scan# 962
 Delta R.T. -0.03 min
 Lab File: BF079686.D
 Acq: 4 Jun 2015 4:28

Instrument :
 BNA_F
 ClientSampleId :
 SB-14D

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.0
179	15.7	12.6	19.0

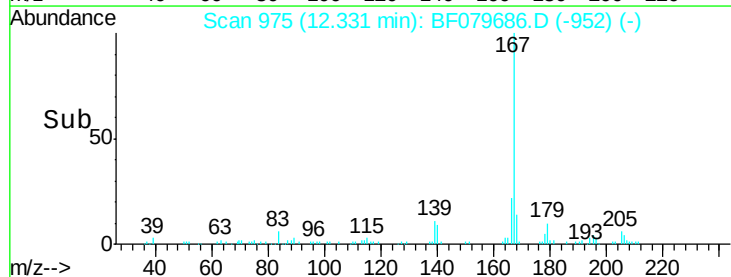
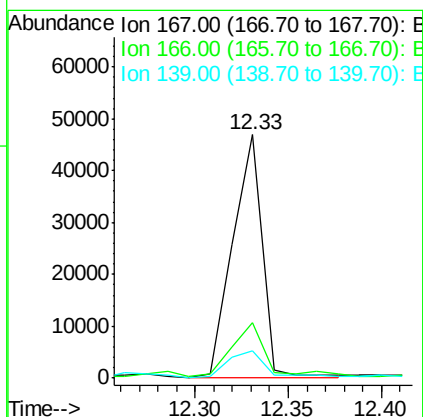
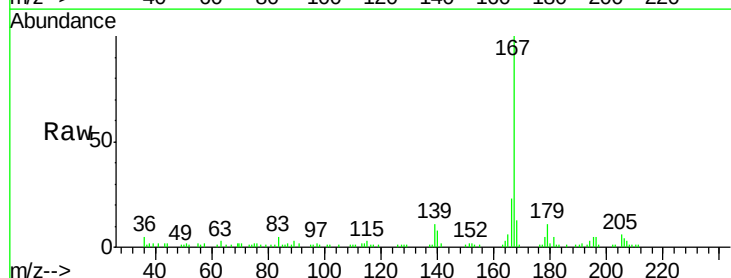
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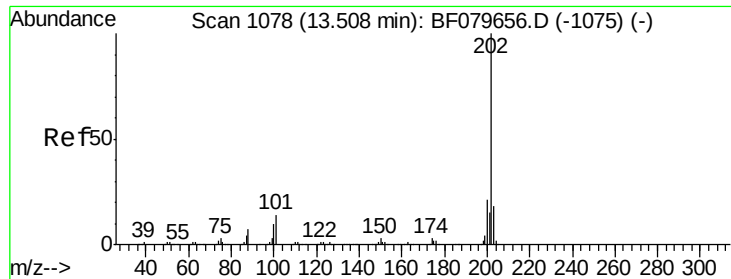
apatel
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#72
 Carbazole
 Concen: 3.25 ng
 RT: 12.33 min Scan# 975
 Delta R.T. -0.03 min
 Lab File: BF079686.D
 Acq: 4 Jun 2015 4:28

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.0	17.4	26.2
139	11.2	11.3	16.9#





#74

Fluoranthene

Concen: 73.33 ng

RT: 13.39 min Scan# 1068

Delta R.T. -0.11 min

Lab File: BF079686.D

Acq: 4 Jun 2015 4:28

Instrument :

BNA_F

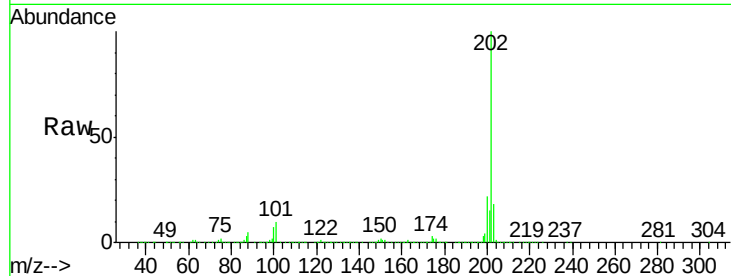
ClientSampleId :

SB-14D

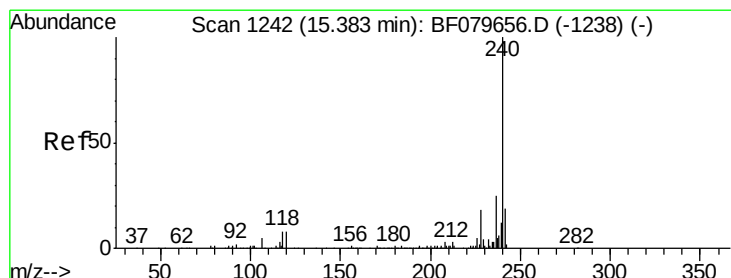
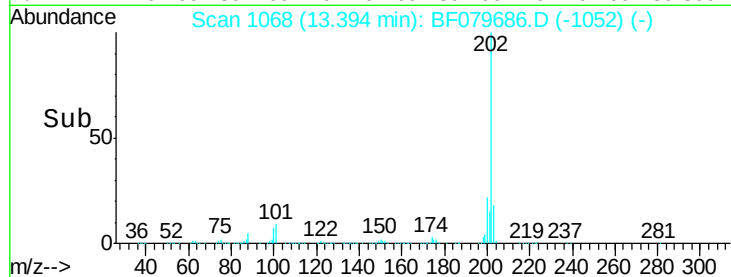
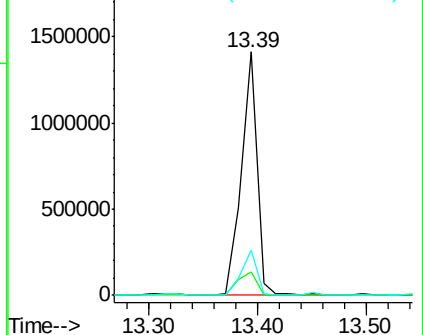
Tot Ion:	202	Resp:	1385118
Ion Ratio	Lower	Upper	
202	100		
101	9.7	0.0	34.0
203	18.3	0.0	37.9

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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 m

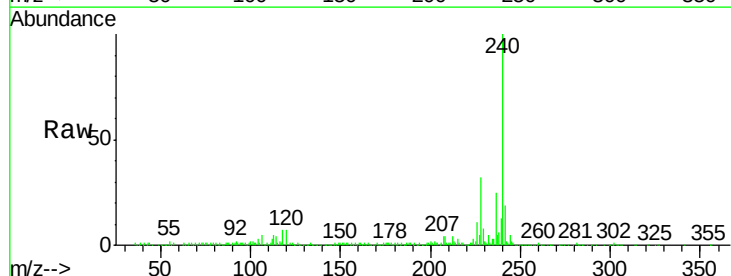
RT: 15.06 min Scan# 1214

Delta R.T. -0.32 min

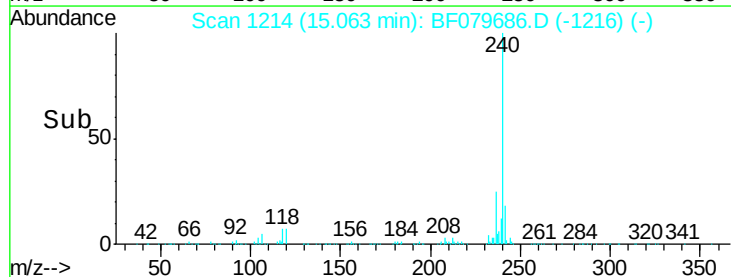
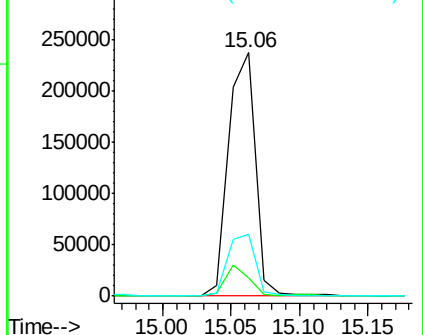
Lab File: BF079686.D

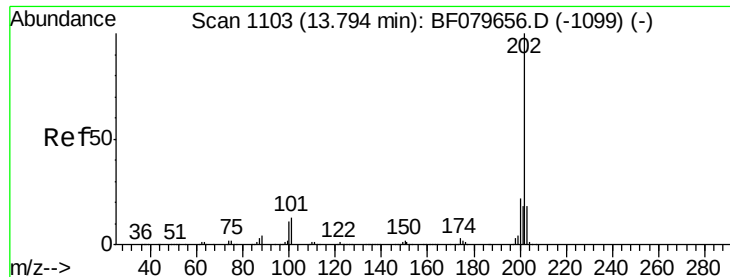
Acq: 4 Jun 2015 4:28

Tgt Ion:	240	Resp:	326245
Ion Ratio	Lower	Upper	
240	100		
120	7.3	6.4	9.6
236	25.2	20.2	30.4



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: 72.11 ng

RT: 13.65 min Scan# 1090

Delta R.T. -0.15 min

Lab File: BF079686.D

Acq: 4 Jun 2015 4:28

Instrument :

BNA_F

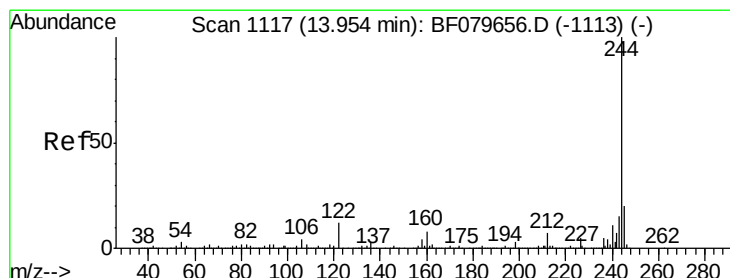
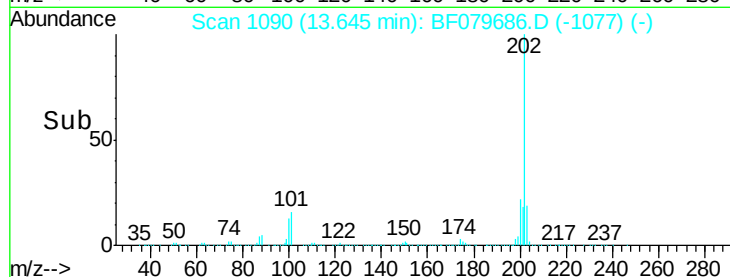
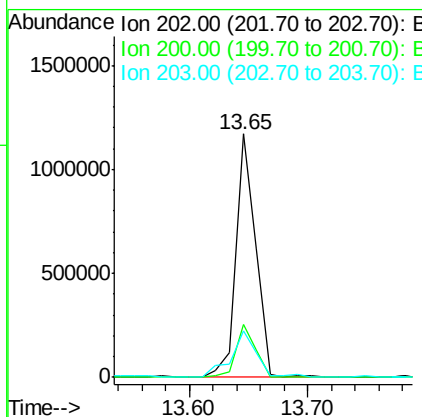
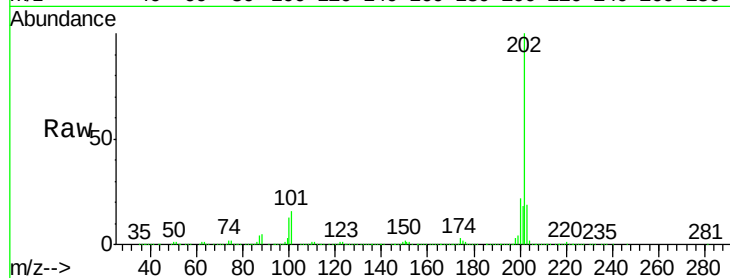
ClientSampleId :

SB-14D

Tot Ion:	202	Resp:	1354632
Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.4	26.0
203	18.9	14.5	21.7

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#78

Terphenyl-d14

Concen: 79.70 ng

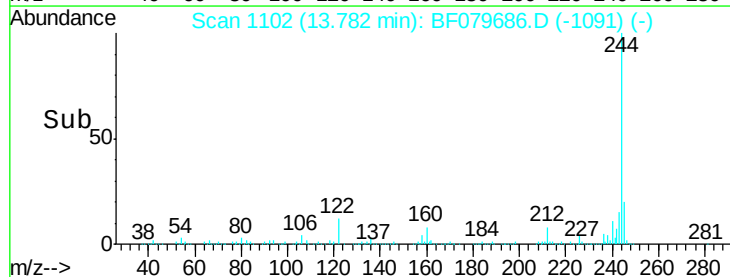
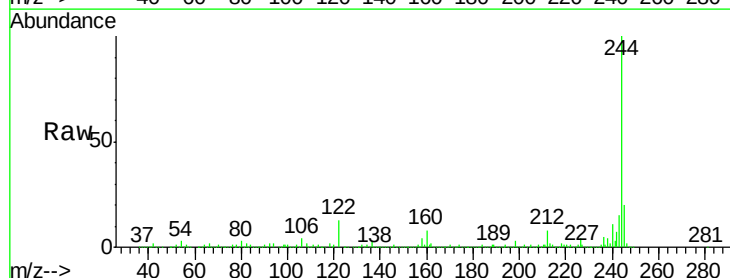
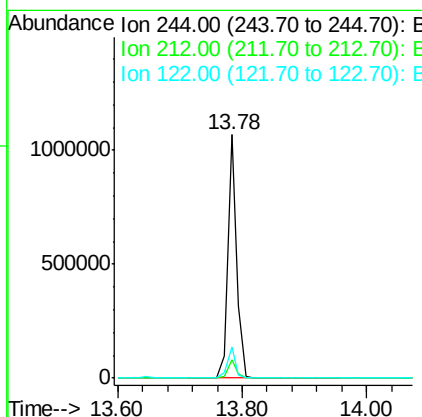
RT: 13.78 min Scan# 1102

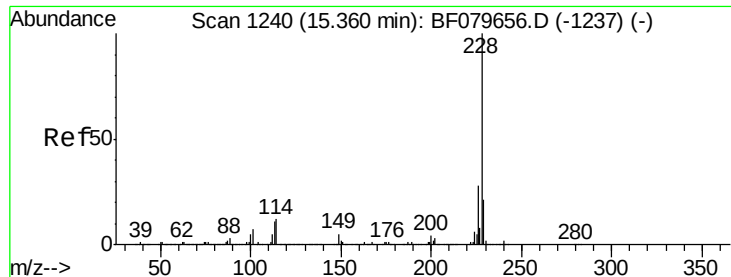
Delta R.T. -0.17 min

Lab File: BF079686.D

Acq: 4 Jun 2015 4:28

Tgt Ion:	244	Resp:	1028764
Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.9	8.9
122	12.6	9.8	14.6





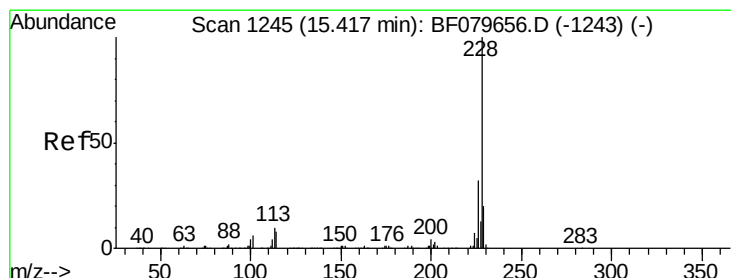
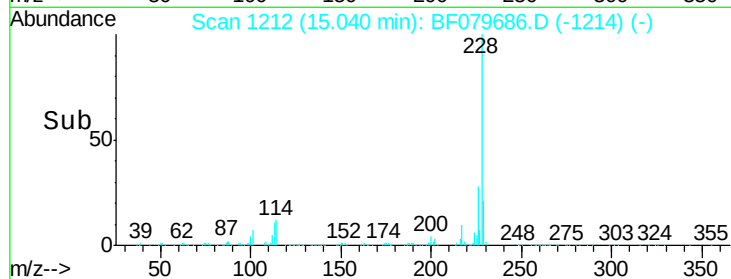
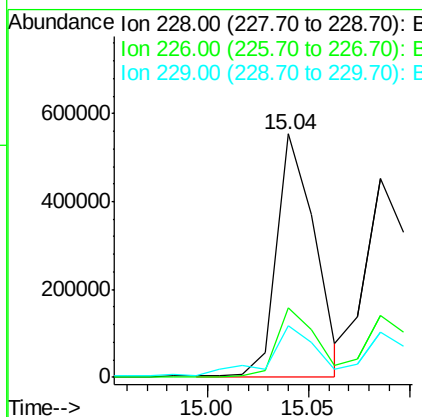
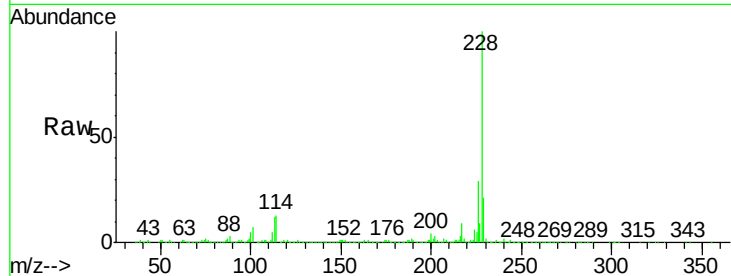
#80
Benzo(a)anthracene
Concen: 41.19 ng m
RT: 15.04 min Scan# 1212
Delta R.T. -0.32 min
Lab File: BF079686.D
Acq: 4 Jun 2015 4:28

Instrument :
BNA_F
ClientSampleId :
SB-14D

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.5	33.7
229	21.3	16.6	24.8

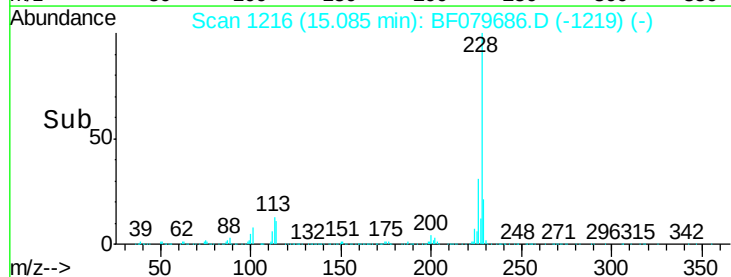
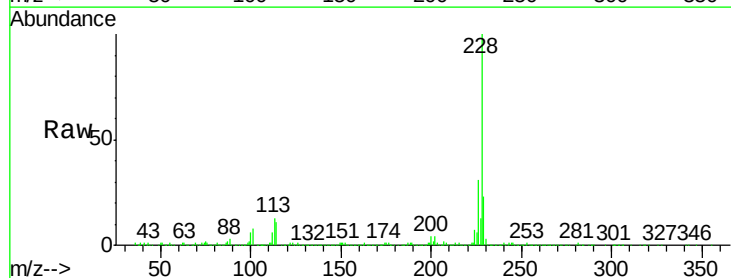
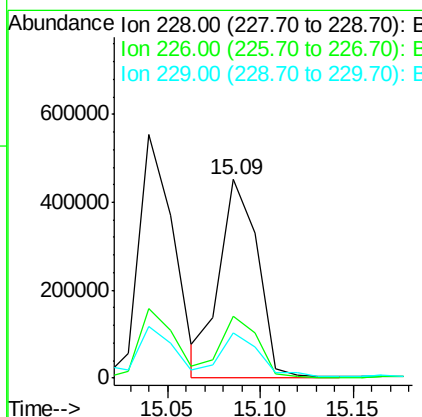
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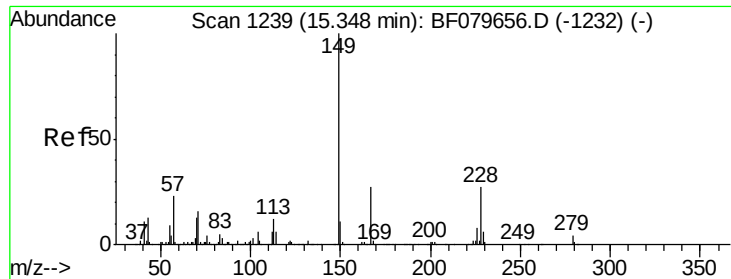
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#82
Chrysene
Concen: 36.55 ng m
RT: 15.09 min Scan# 1216
Delta R.T. -0.33 min
Lab File: BF079686.D
Acq: 4 Jun 2015 4:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.2	37.8
229	23.0	16.3	24.5





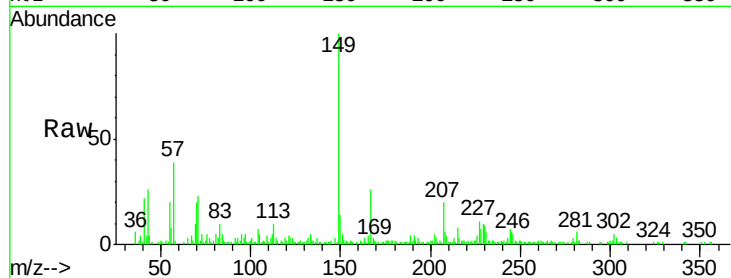
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 7.54 ng m
 RT: 14.99 min Scan# 1208
 Delta R.T. -0.35 min
 Lab File: BF079686.D
 Acq: 4 Jun 2015 4:28

Instrument :
 BNA_F
 ClientSampleId :
 SB-14D

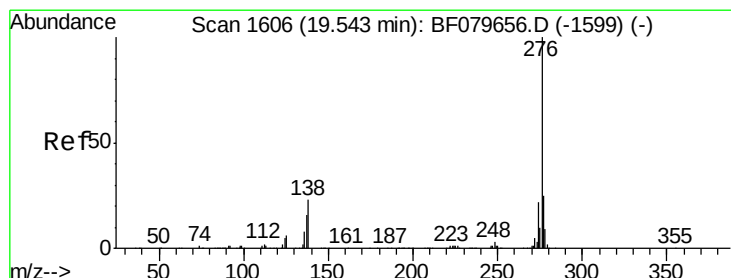
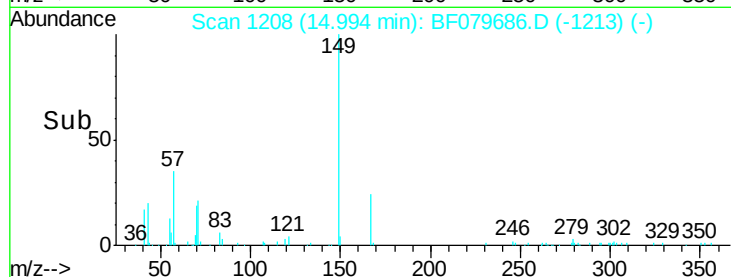
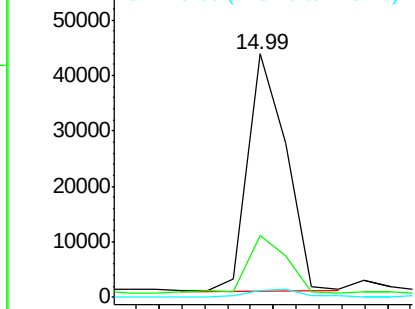
Tot Ion	Ratio	Lower	Upper
149	100		
167	25.6	21.6	32.4
279	2.9	3.1	4.7#

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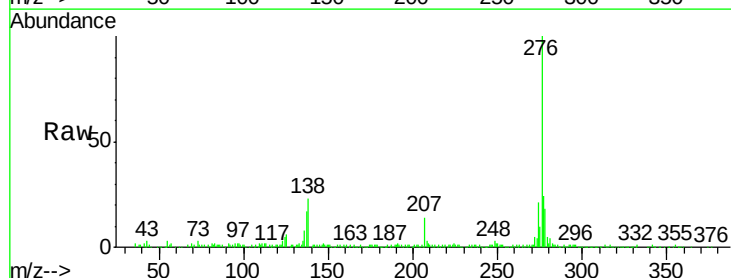


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

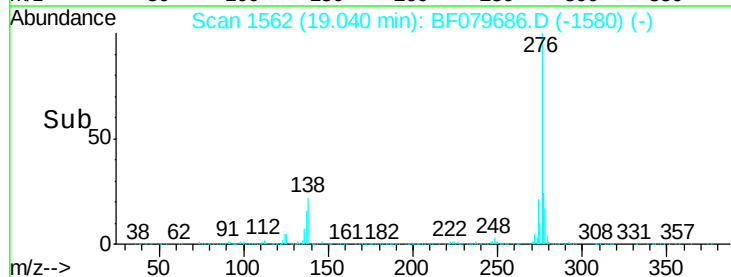
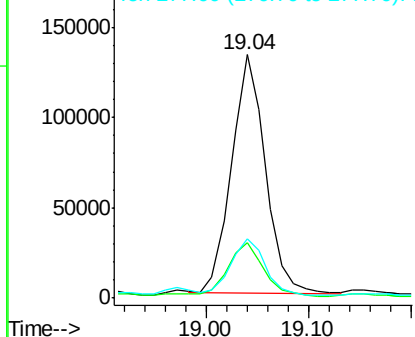


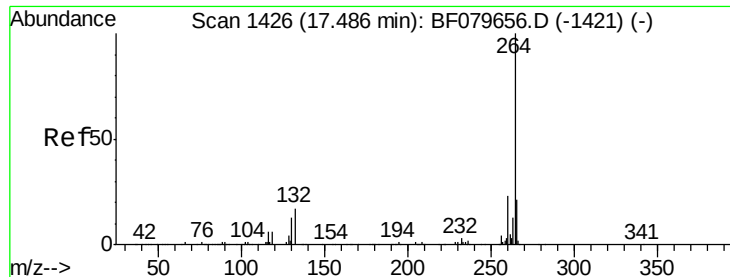
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 17.38 ng m
 RT: 19.04 min Scan# 1562
 Delta R.T. -0.50 min
 Lab File: BF079686.D
 Acq: 4 Jun 2015 4:28

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.1	21.9	32.9
277	26.4	20.2	30.4



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 m

RT: 17.02 min Scan# 1385

Delta R.T. -0.47 min

Lab File: BF079686.D

Acq: 4 Jun 2015 4:28

Instrument :

BNA_F

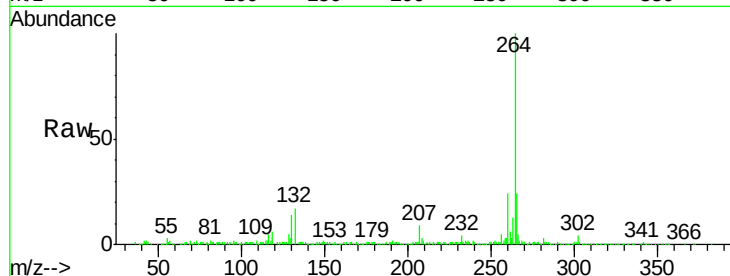
ClientSampleId :

SB-14D

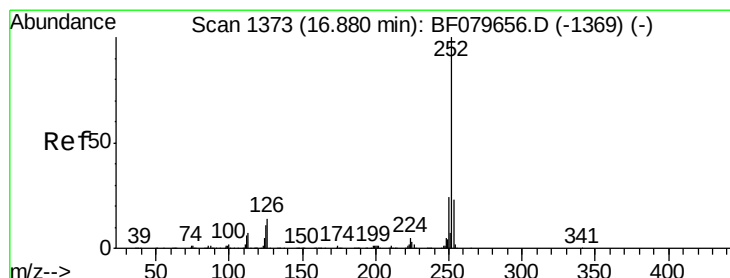
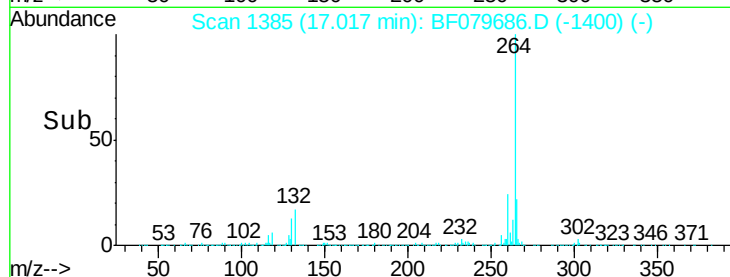
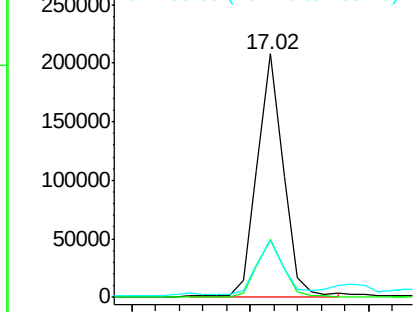
Tot Ion:	264	Resp:	318759
Ion Ratio	Lower	Upper	
264	100		
260	24.1	18.8	28.2
265	23.6	17.4	26.0

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 47.96 ng m

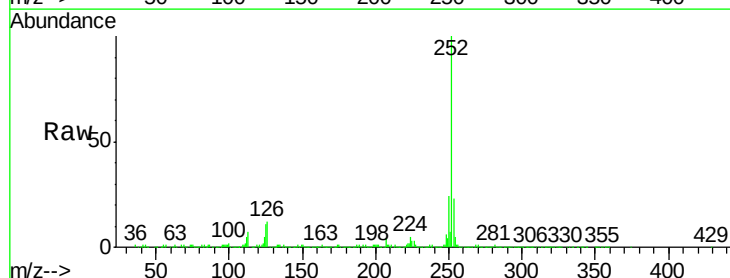
RT: 16.43 min Scan# 1334

Delta R.T. -0.45 min

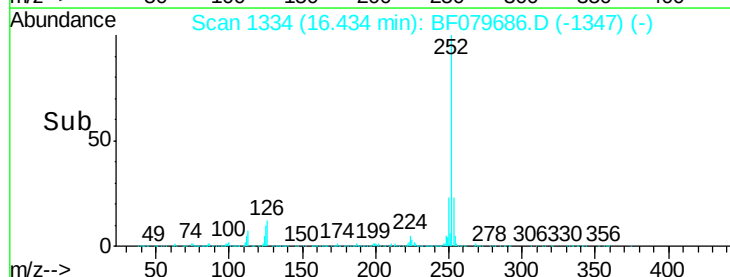
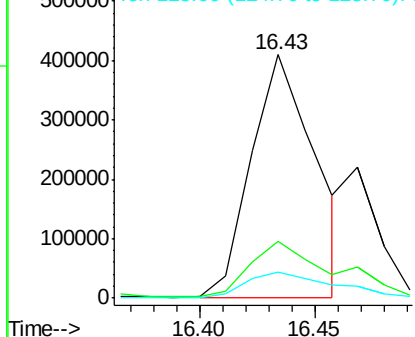
Lab File: BF079686.D

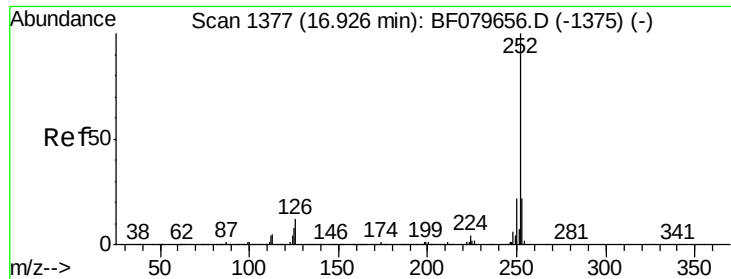
Acq: 4 Jun 2015 4:28

Tgt Ion:	252	Resp:	789954
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.0	27.0
125	10.6	8.7	13.1



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





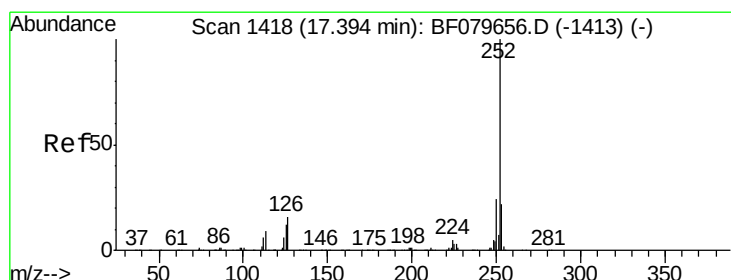
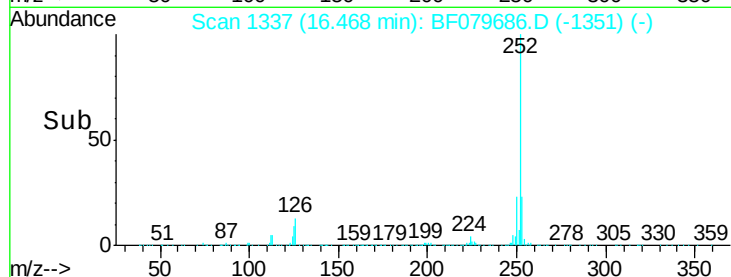
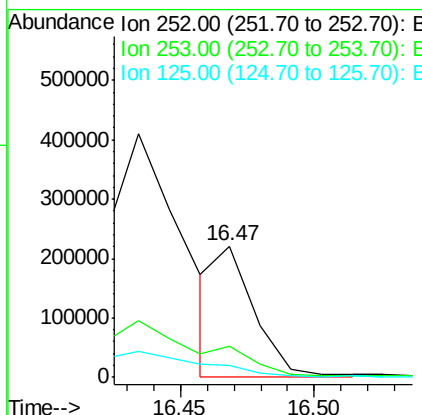
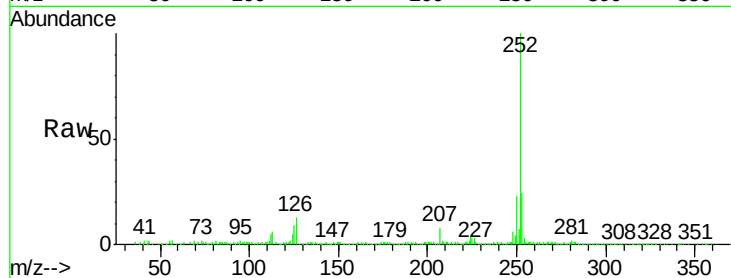
#88
Benzo(k)fluoranthene
Concen: 11.81 ng m
RT: 16.47 min Scan# 1337
Delta R.T. -0.46 min
Lab File: BF079686.D
Acq: 4 Jun 2015 4:28

Instrument :
BNA_F
ClientSampled :
SB-14D

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.4	26.2
125	9.4	7.1	10.7

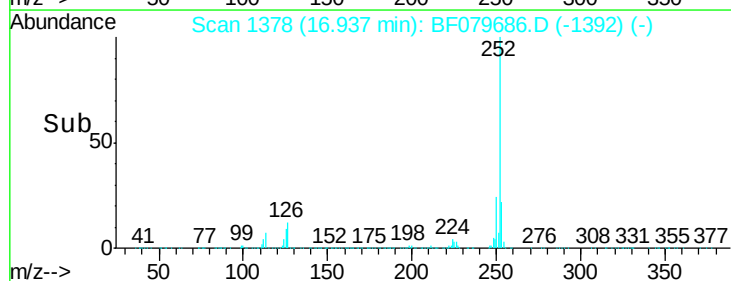
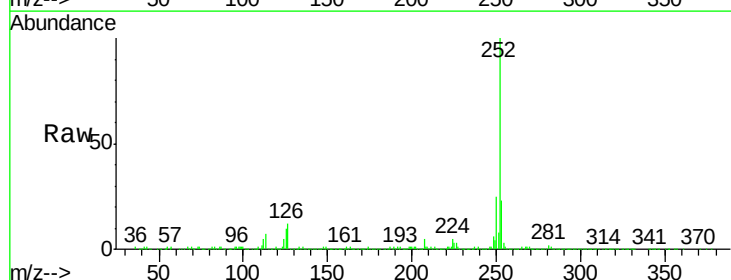
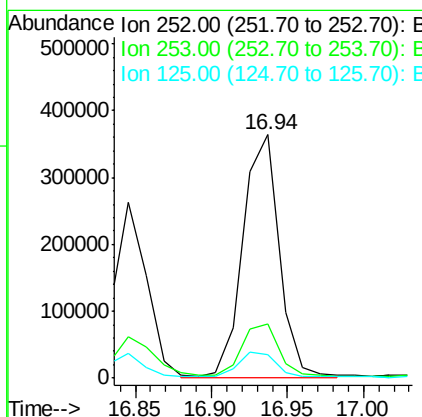
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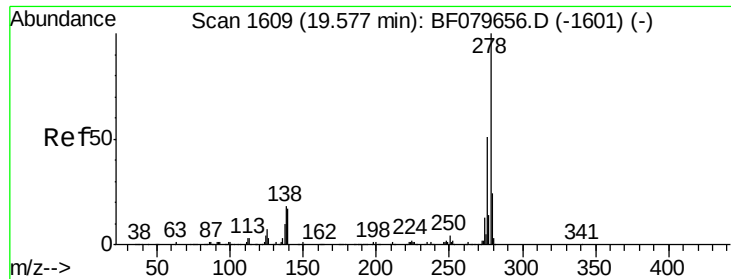
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#89
Benzo(a)pyrene
Concen: 37.70 ng m
RT: 16.94 min Scan# 1378
Delta R.T. -0.46 min
Lab File: BF079686.D
Acq: 4 Jun 2015 4:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	9.6	9.4	14.0





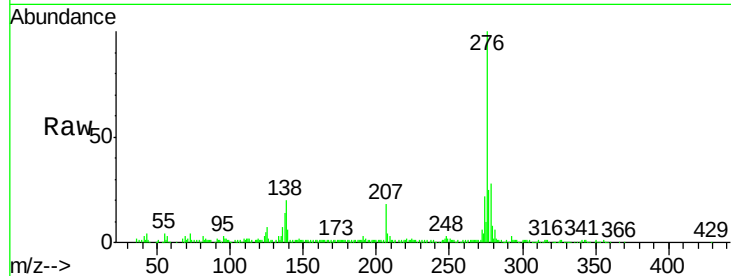
#90
Dibenzo(a,h)anthracene
Concen: 5.37 ng m
RT: 19.05 min Scan# 1563
Delta R.T. -0.53 min
Lab File: BF079686.D
Acq: 4 Jun 2015 4:28

Instrument :
BNA_F
ClientSampleId :
SB-14D

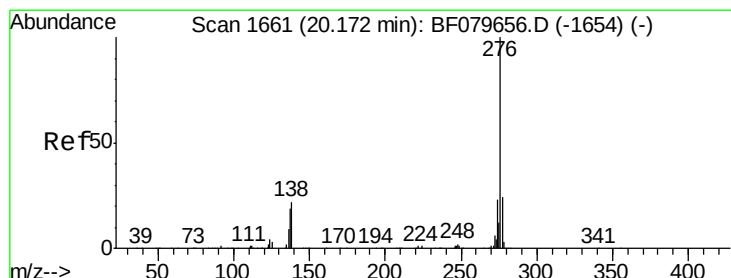
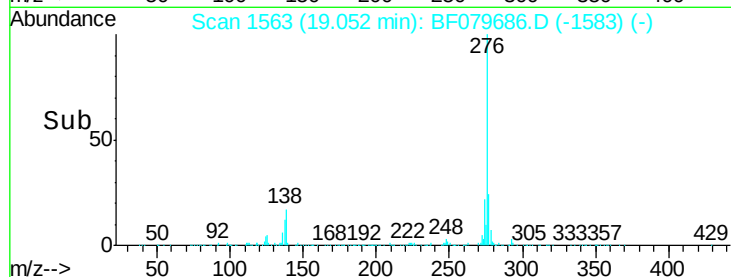
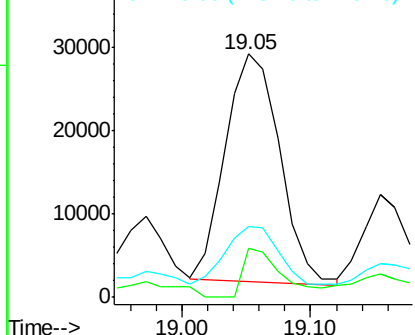
Tot Ion	Ratio	Lower	Upper
278	100		
139	20.3	13.7	20.5
279	29.2	19.6	29.4

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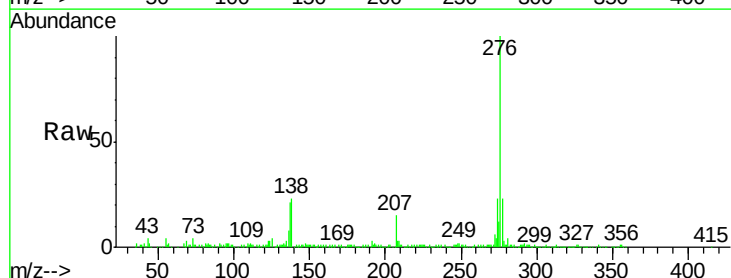


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 20.30 ng m
RT: 19.66 min Scan# 1616
Delta R.T. -0.51 min
Lab File: BF079686.D
Acq: 4 Jun 2015 4:28

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.1	28.7
138	22.6	17.4	26.0



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

