

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\
 Data File : BF079677.D
 Acq On : 4 Jun 2015 00:09
 Operator : TP/IZ
 Sample : G2408-12DL 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-21SDL

Manual Integrations
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Quant Time: Jun 04 03:49:49 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	93380	20.00	ng	0.00
21) Naphthalene-d8	8.81	136	364202	20.00	ng	0.00
38) Acenaphthene-d10	10.59	164	179680	20.00	ng	0.00
63) Phenanthrene-d10	12.10	188	370356	20.00	ng	-0.03
75) Chrysene-d12	15.07	240	360574m	20.00	ng	-0.31
86) Perylene-d12	17.04	264	359408	20.00	ng	-0.45
System Monitoring Compounds						
5) 2-Fluorophenol	6.14	112	294692	57.47	ng	0.00
7) Phenol-d6	7.11	99	432982	63.52	ng	0.00
23) Nitrobenzene-d5	8.07	82	220939	37.17	ng	-0.01
41) 2,4,6-Tribromophenol	11.38	330	84804	57.19	ng	-0.01
44) 2-Fluorobiphenyl	9.88	172	558222	43.86	ng	0.00
78) Terphenyl-d14	13.79	244	624271	41.49	ng	-0.16
Target Compounds						Qvalue
31) Naphthalene	8.83	128	111778	5.87	ng	98
37) 2-Methylnaphthalene	9.53	142	41708	3.28	ng	97
49) Dimethylphthalate	10.27	163	63033	4.79	ng	# 97
51) Acenaphthene	10.62	154	79963	7.33	ng	99
54) Dibenzofuran	10.79	168	94208	5.95	ng	# 94
57) Fluorene	11.14	166	90120	6.97	ng	99
70) Phenanthrene	12.13	178	1060269	51.78	ng	99
71) Anthracene	12.18	178	264872	12.86	ng	98
72) Carbazole	12.32	167	107265	5.67	ng	99
74) Fluoranthene	13.39	202	1021426	46.26	ng	97
77) Pyrene	13.66	202	906792m	43.68	ng	
80) Benzo(a)anthracene	15.06	228	479729	24.33	ng	99
82) Chrysene	15.11	228	379150	19.11	ng	97
83) Bis(2-ethylhexyl)phthalate	15.02	149	32454	5.78	ng	# 92
85) Indeno(1,2,3-cd)pyrene	19.05	276	186927	9.64	ng	# 91
87) Benzo(b)fluoranthene	16.46	252	487432m	26.24	ng	
88) Benzo(k)fluoranthene	16.48	252	120519m	5.54	ng	
89) Benzo(a)pyrene	16.95	252	344308	18.96	ng	99
90) Dibenzo(a,h)anthracene	19.07	278	40244	2.37	ng	94
91) Benzo(a,h,i)perylene	19.67	276	181575	10.06	ng	99

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

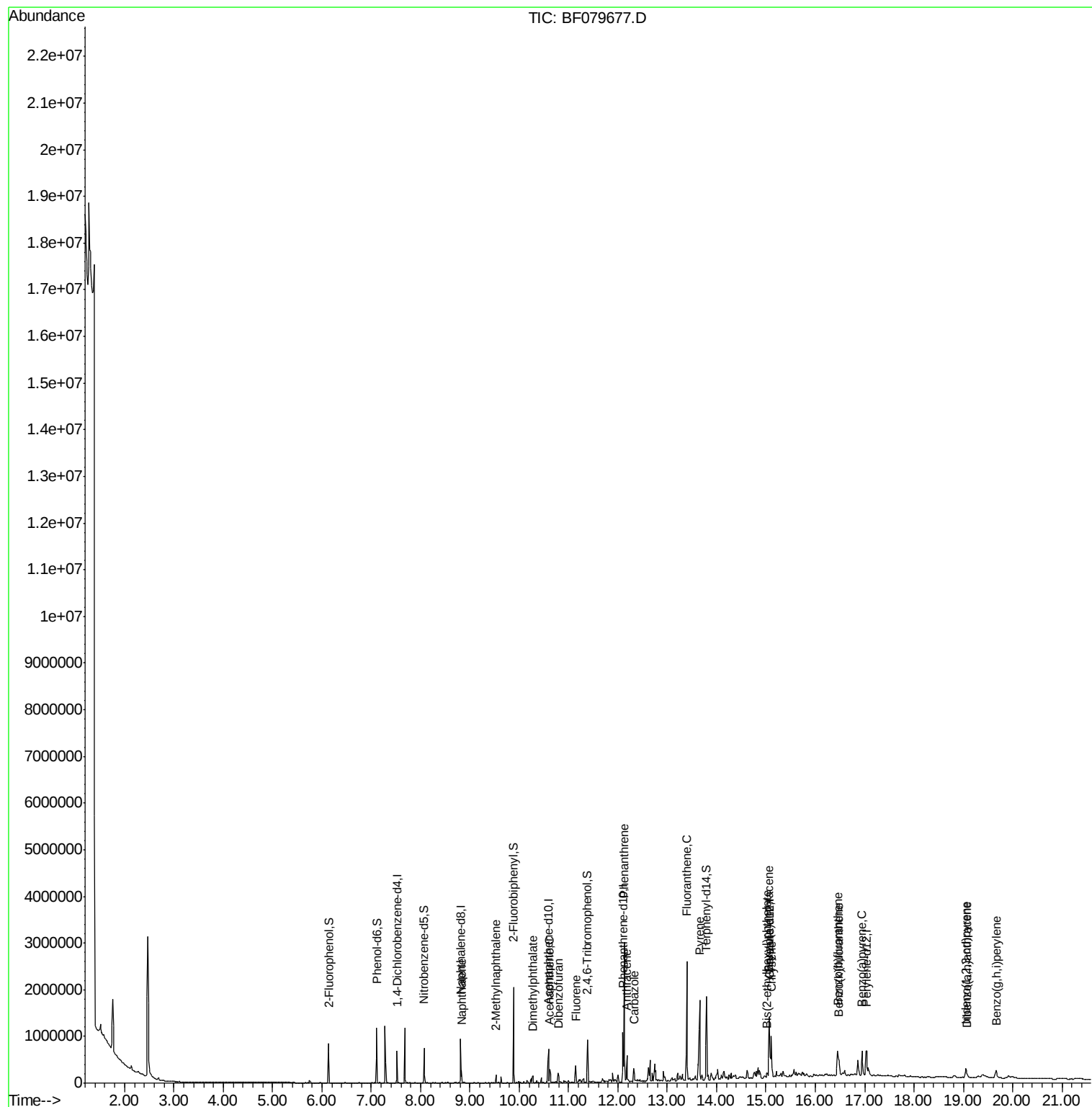
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\
Data File : BF079677.D
Acq On : 4 Jun 2015 00:09
Operator : TP/IZ
Sample : G2408-12DL 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

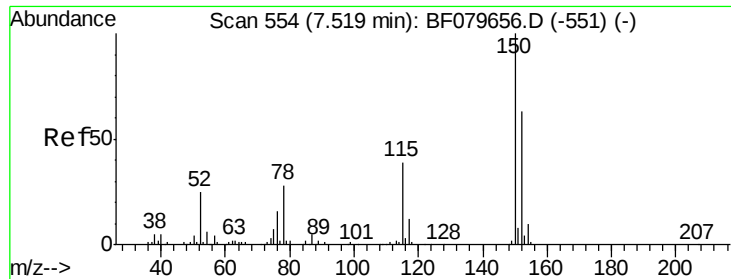
Instrument :
BNA_F
ClientSampleId :
SB-21SDL

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Quant Time: Jun 04 03:49:49 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





#1

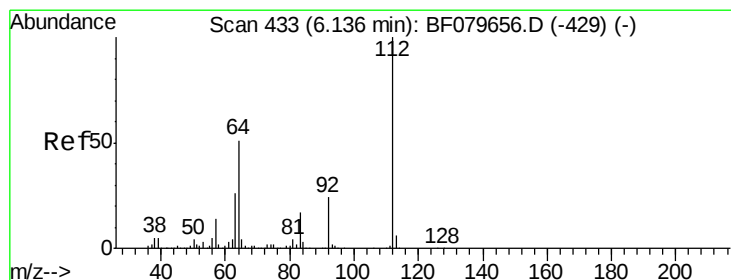
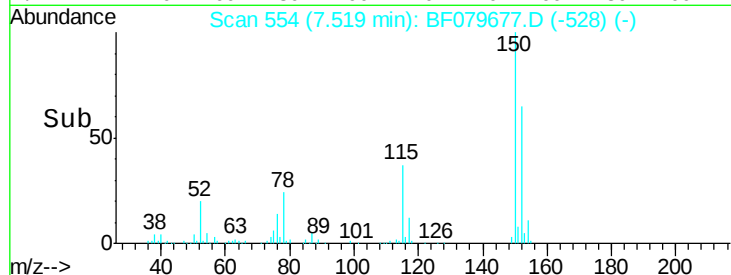
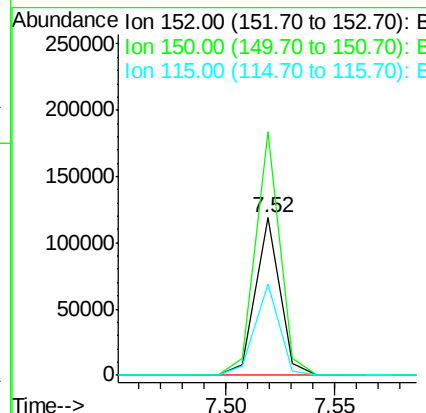
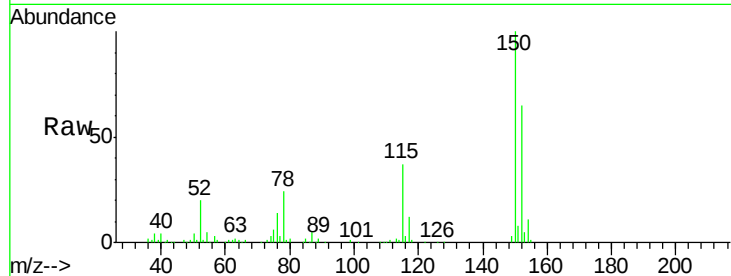
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.52 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF079677.D
Acq: 4 Jun 2015 00:09

Instrument :
BNA_F
ClientSampleId :
SB-21SDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	126.7	190.1
115	57.6	49.2	73.8

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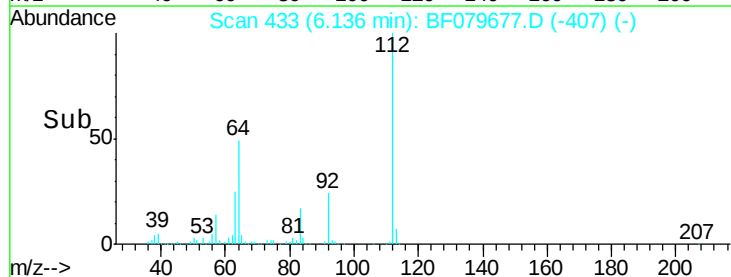
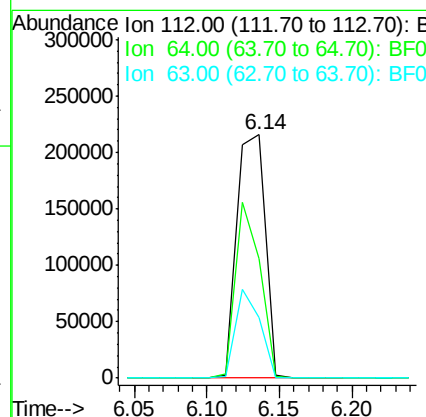
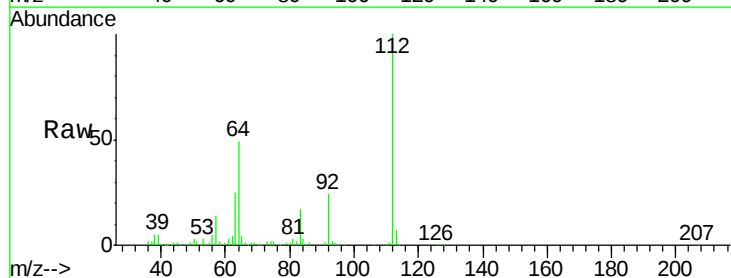
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#5

2-Fluorophenol
Concen: 57.47 ng
RT: 6.14 min Scan# 433
Delta R.T. 0.00 min
Lab File: BF079677.D
Acq: 4 Jun 2015 00:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.3	41.1	61.7
63	24.7	20.5	30.7





#7

Phenol-d6

Concen: 63.52 ng

RT: 7.11 min Scan# 518

Delta R.T. 0.00 min

Lab File: BF079677.D

Acq: 4 Jun 2015 00:09

Instrument :

BNA_F

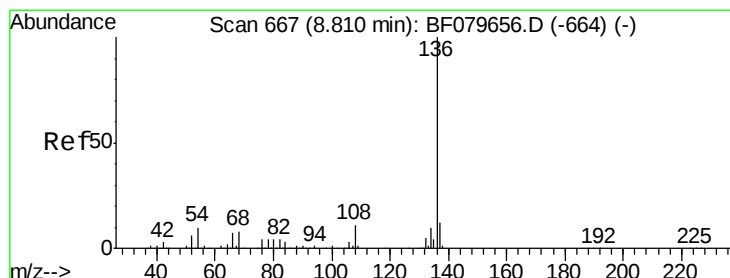
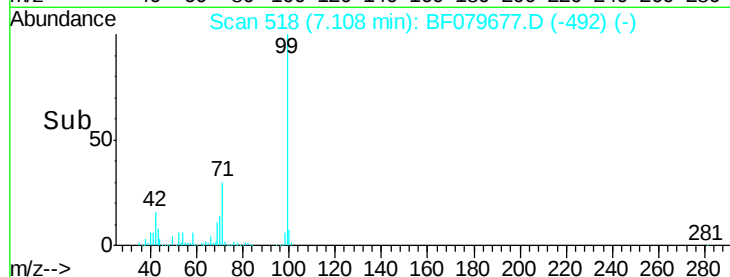
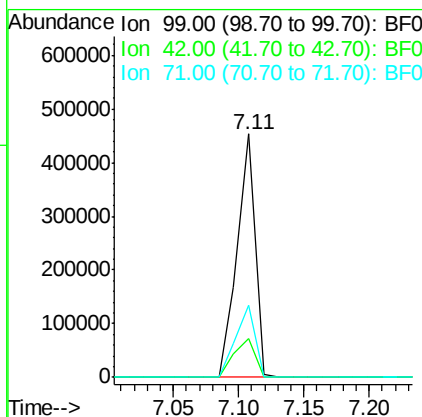
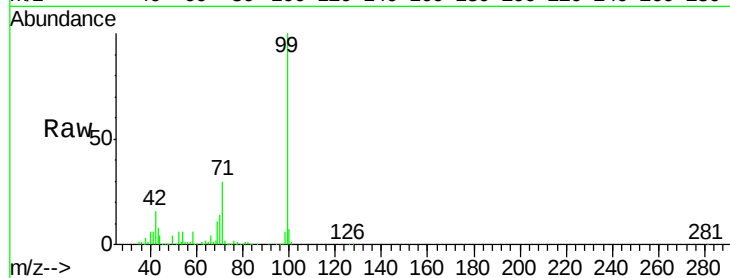
ClientSampleId :

SB-21SDL

Tot Ion:	99	Resp:	432982
Ion	Ratio	Lower	Upper
99	100		
42	15.9	15.2	22.8
71	29.5	25.9	38.9

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#21

Naphthalene-d8

Concen: 20.00 ng

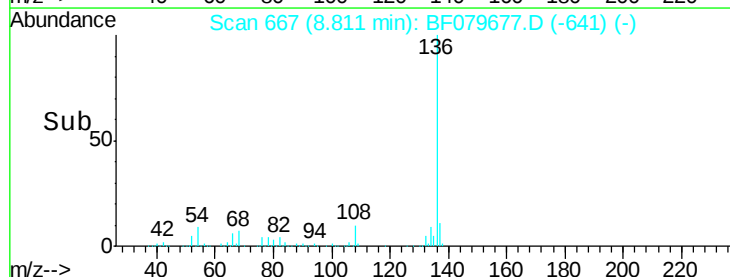
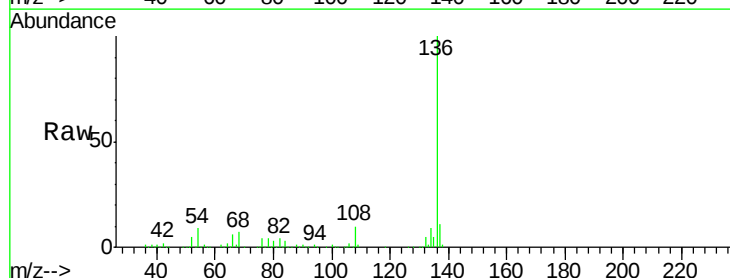
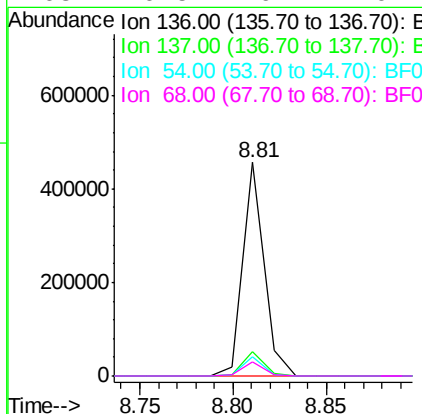
RT: 8.81 min Scan# 667

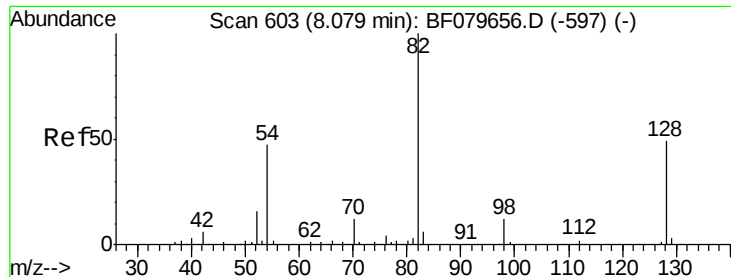
Delta R.T. 0.00 min

Lab File: BF079677.D

Acq: 4 Jun 2015 00:09

Tgt Ion:	136	Resp:	364202
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.3	13.9
54	8.8	8.3	12.5
68	6.5	6.1	9.1





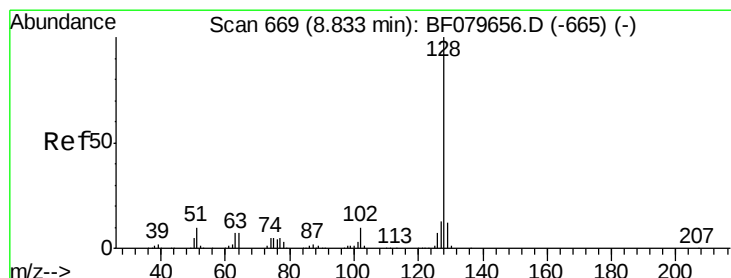
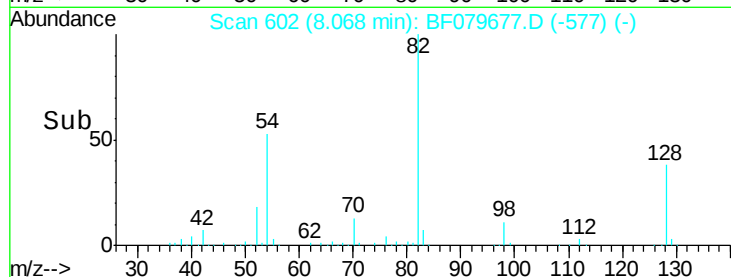
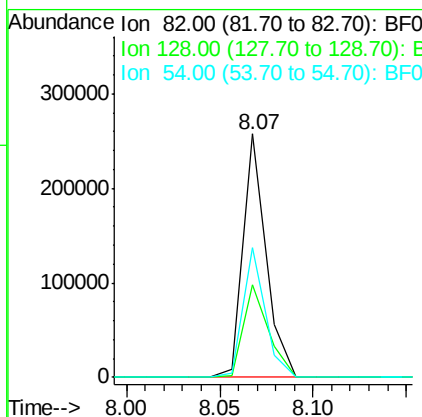
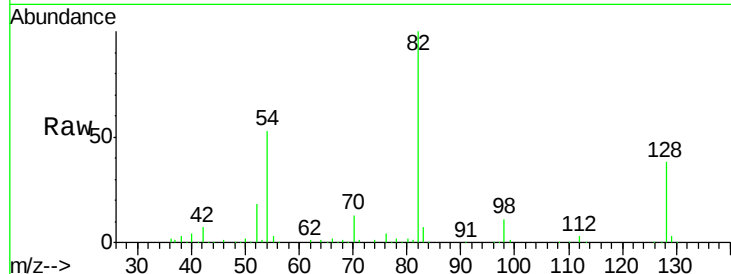
#23
Nitrobenzene-d5
Concen: 37.17 ng
RT: 8.07 min Scan# 602
Delta R.T. -0.01 min
Lab File: BF079677.D
Acq: 4 Jun 2015 00:09

Instrument :
BNA_F
ClientSampleId :
SB-21SDL

Tot Ion	82	Resp	220939
Ion Ratio	100	Lower	Upper
82	100		
128	37.8	39.4	59.0#
54	53.3	37.4	56.0

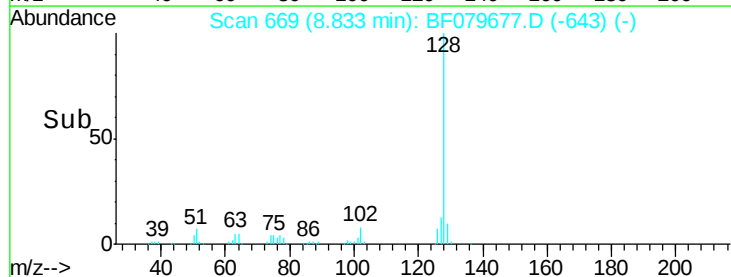
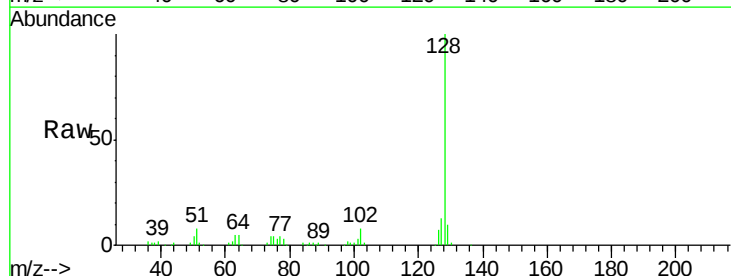
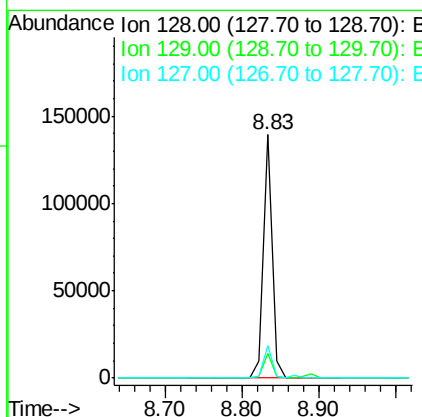
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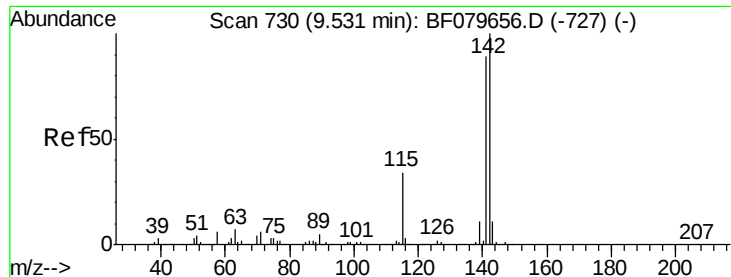
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#31
Naphthalene
Concen: 5.87 ng
RT: 8.83 min Scan# 669
Delta R.T. 0.00 min
Lab File: BF079677.D
Acq: 4 Jun 2015 00:09

Tgt Ion	128	Resp	111778
Ion Ratio	100	Lower	Upper
128	100		
129	10.4	9.3	13.9
127	13.1	10.4	15.6





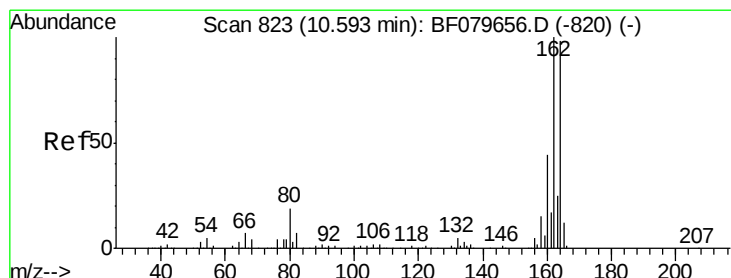
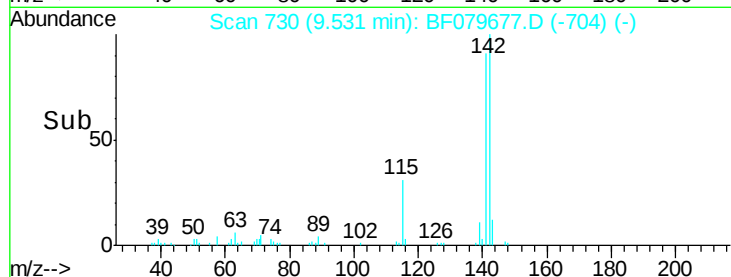
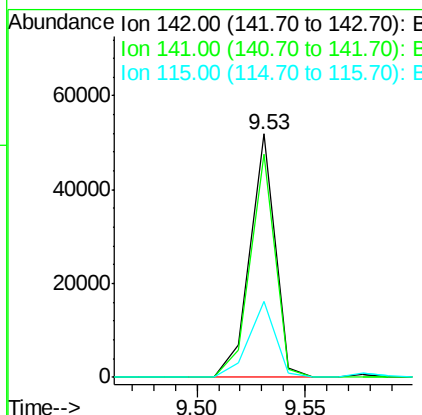
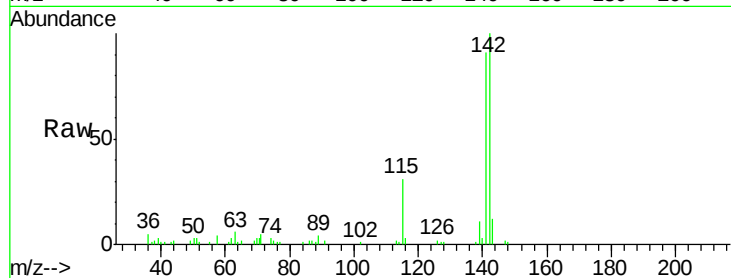
#37
2-Methylnaphthalene
Concen: 3.28 ng
RT: 9.53 min Scan# 730
Delta R.T. 0.00 min
Lab File: BF079677.D
Acq: 4 Jun 2015 00:09

Instrument :
BNA_F
ClientSampleId :
SB-21SDL

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.5	71.4	107.0
115	31.2	27.3	40.9

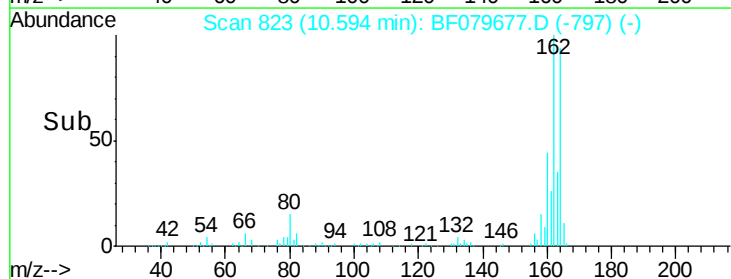
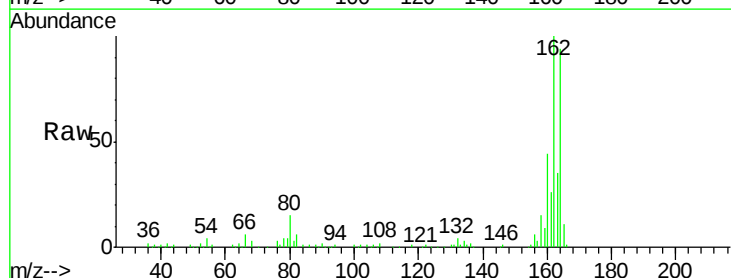
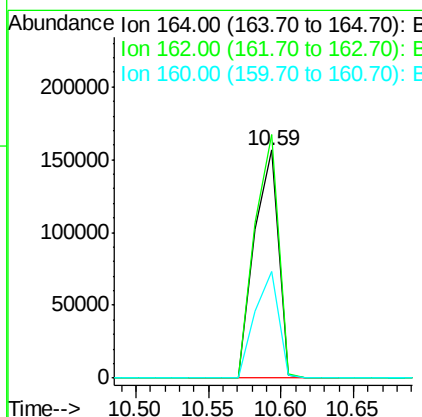
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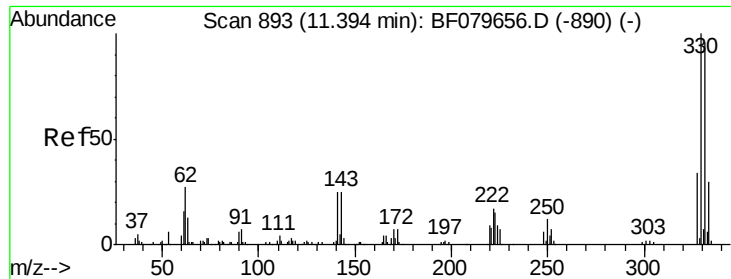
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.59 min Scan# 823
Delta R.T. 0.00 min
Lab File: BF079677.D
Acq: 4 Jun 2015 00:09

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.8	82.0	123.0
160	46.8	35.9	53.9





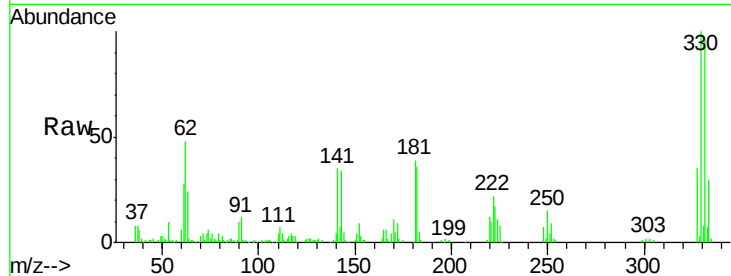
#41
 2,4,6-Tribromophenol
 Concen: 57.19 ng
 RT: 11.38 min Scan# 892
 Delta R.T. -0.01 min
 Lab File: BF079677.D
 Acq: 4 Jun 2015 00:09

Instrument :
 BNA_F
 ClientSampled :
 SB-21SDL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.3	115.9
141	38.0	27.4	41.2

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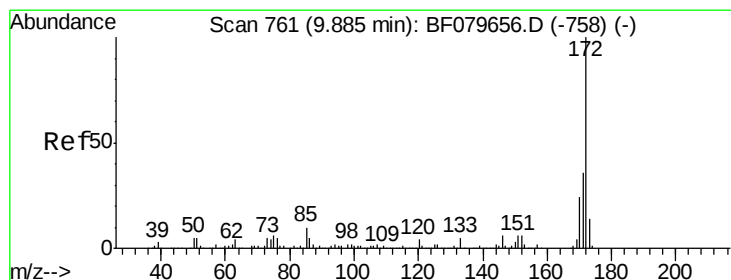
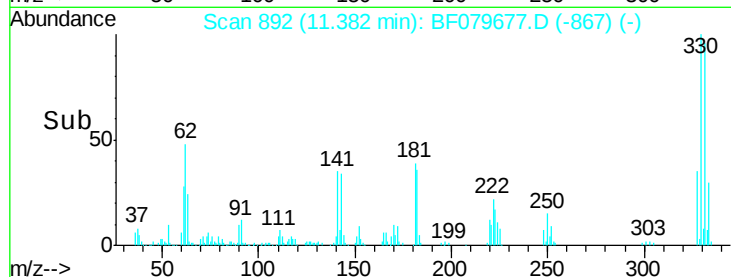
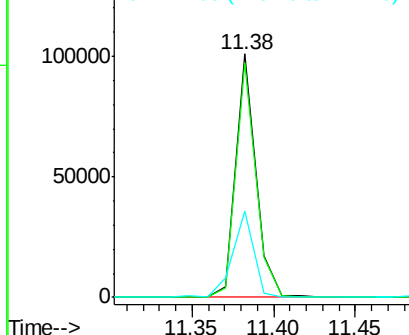


Abundance

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: 43.86 ng
 RT: 9.88 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: BF079677.D
 Acq: 4 Jun 2015 00:09

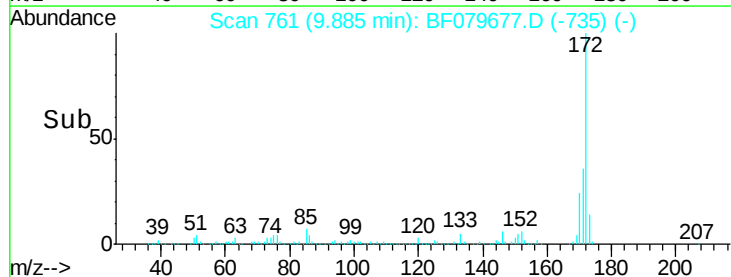
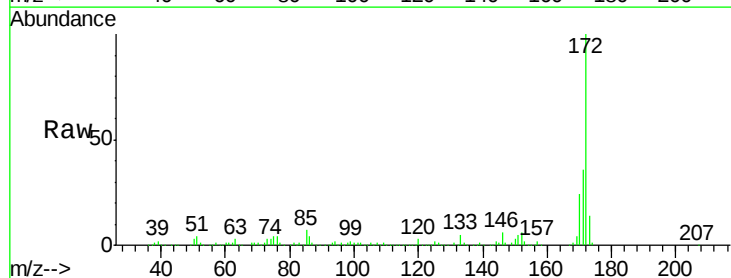
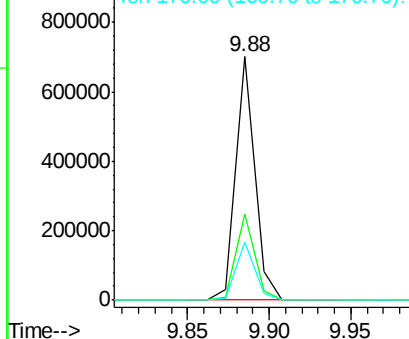
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.8	43.2
170	23.6	19.2	28.8

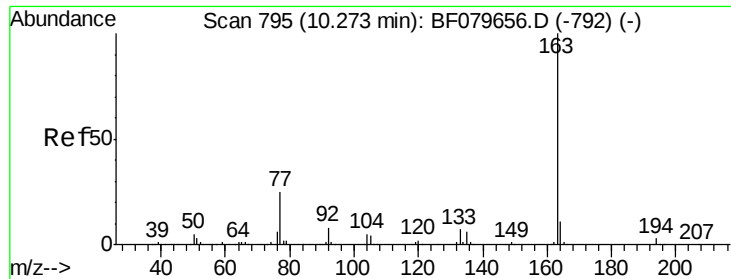
Abundance

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





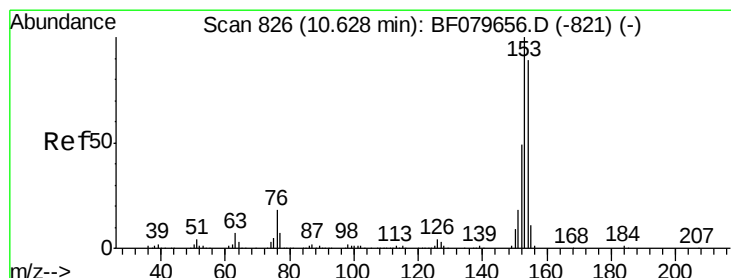
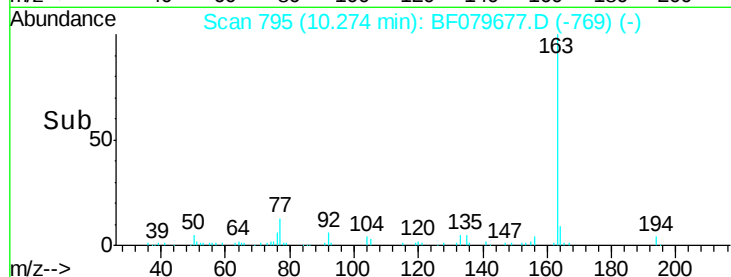
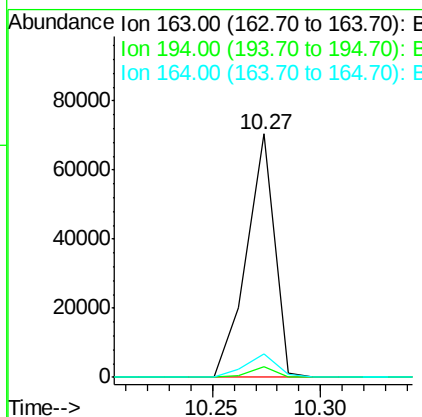
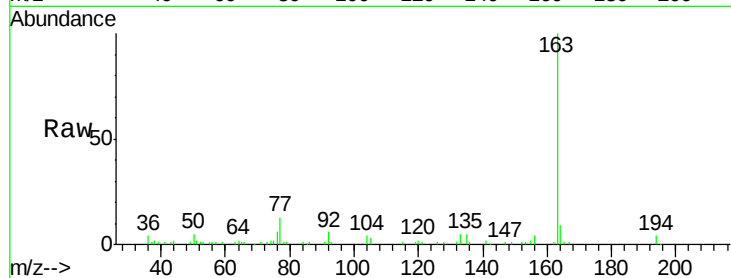
#49
Dimethylphthalate
Concen: 4.79 ng
RT: 10.27 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF079677.D
Acq: 4 Jun 2015 00:09

Instrument :
BNA_F
ClientSampleId :
SB-21SDL

Tot Ion	Ratio	Resp	Lower	Upper
163	100	63033		
194	4.2		2.6	3.8#
164	9.5		8.6	12.8

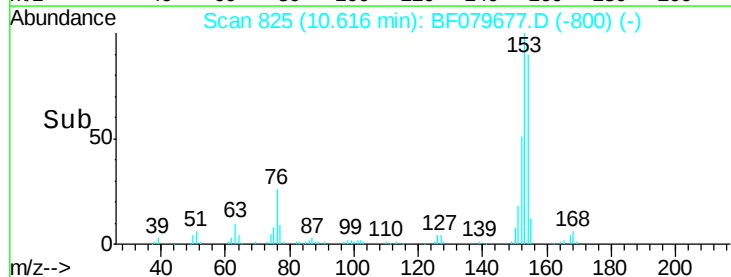
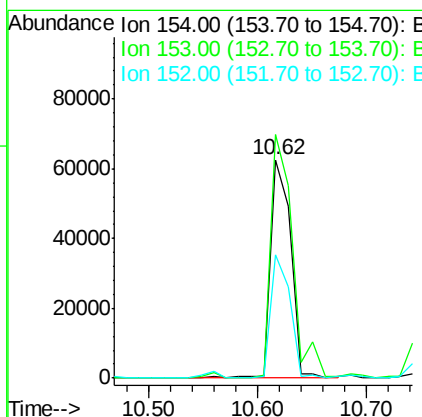
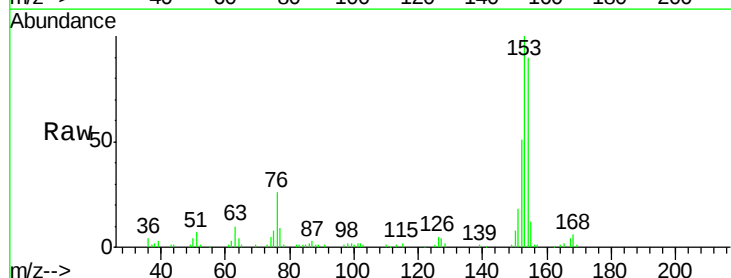
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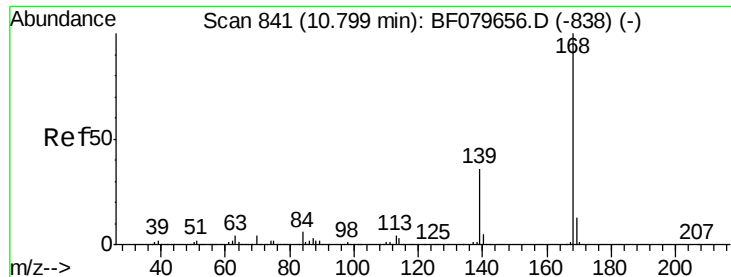
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#51
Acenaphthene
Concen: 7.33 ng
RT: 10.62 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF079677.D
Acq: 4 Jun 2015 00:09

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	79963		
153	111.4		89.8	134.6
152	56.6		43.8	65.8





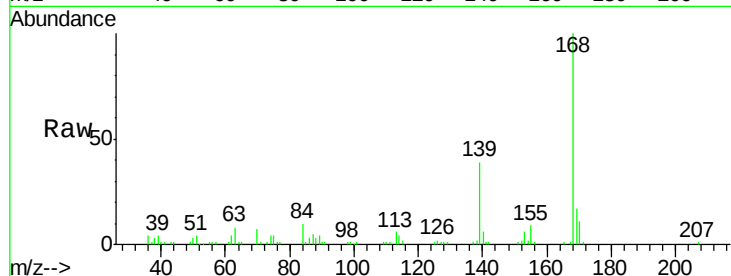
#54
Dibenzenofuran
Concen: 5.95 ng
RT: 10.79 min Scan# 840
Delta R.T. -0.01 min
Lab File: BF079677.D
Acq: 4 Jun 2015 00:09

Instrument :
BNA_F
ClientSampleId :
SB-21SDL

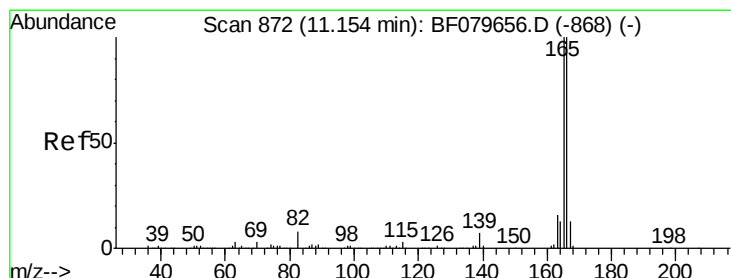
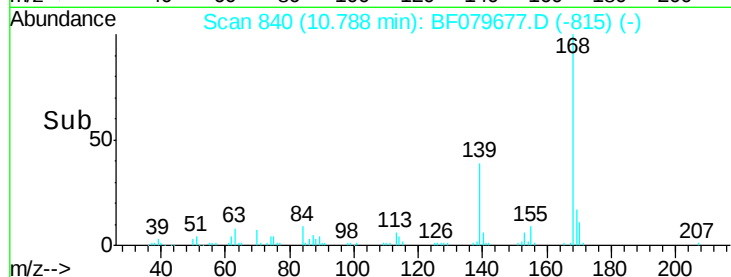
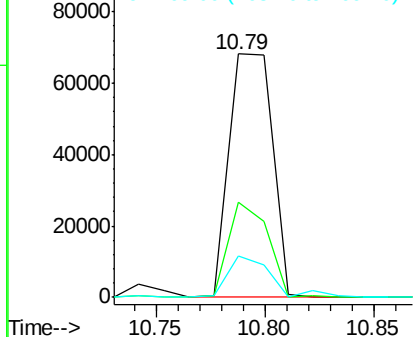
Tot Ion	Ratio	Lower	Upper
168	100		
139	39.3	29.1	43.7
169	16.8	10.7	16.1

Manual Integrations
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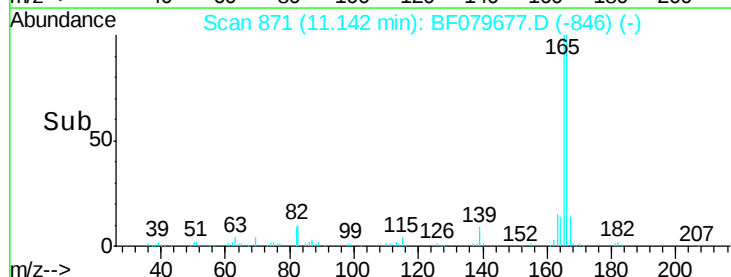
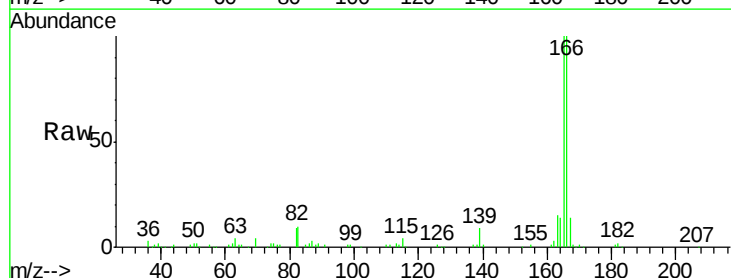
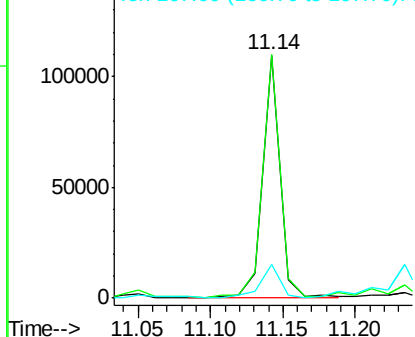
Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

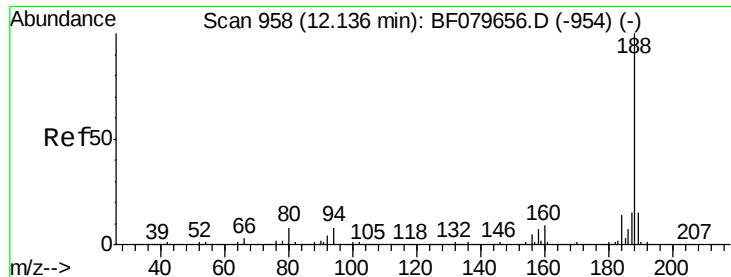


#57
Fluorene
Concen: 6.97 ng
RT: 11.14 min Scan# 871
Delta R.T. -0.01 min
Lab File: BF079677.D
Acq: 4 Jun 2015 00:09

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.2	79.8	119.6
167	13.9	10.6	15.8

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





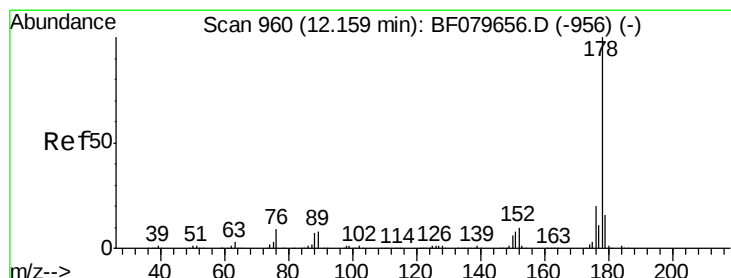
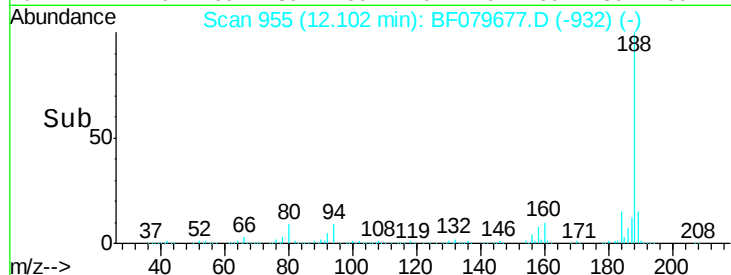
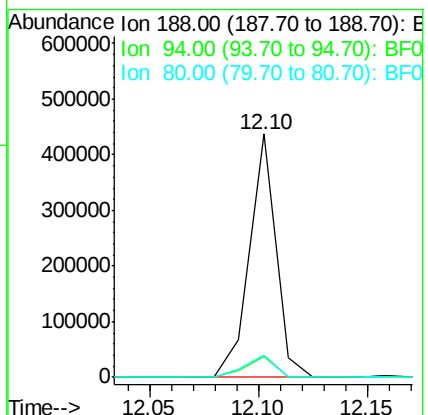
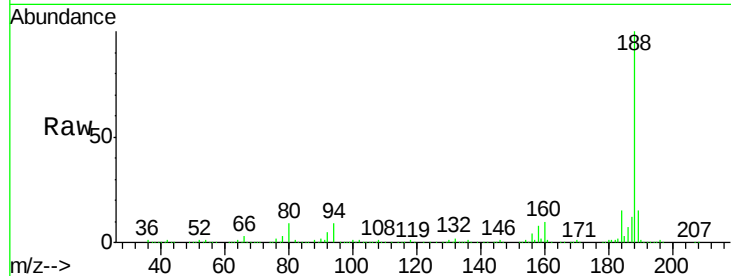
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.10 min Scan# 955
Delta R.T. -0.03 min
Lab File: BF079677.D
Acq: 4 Jun 2015 00:09

Instrument :
BNA_F
ClientSampleId :
SB-21SDL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.6	6.1	9.1
80	9.2	6.2	9.2

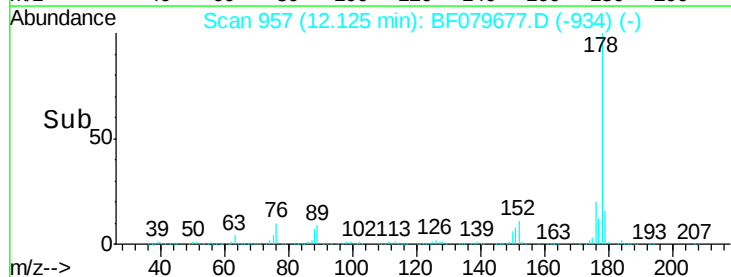
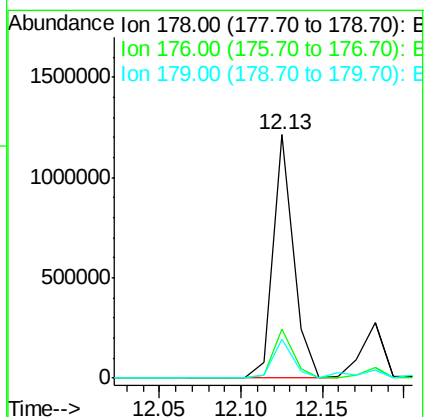
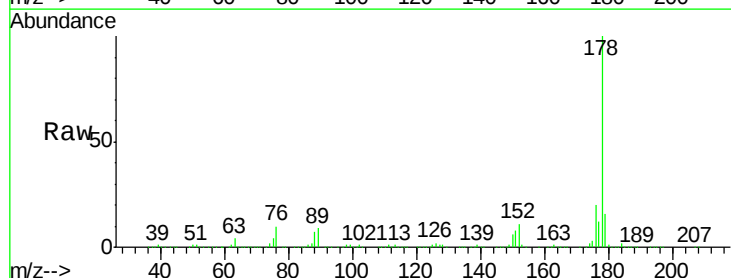
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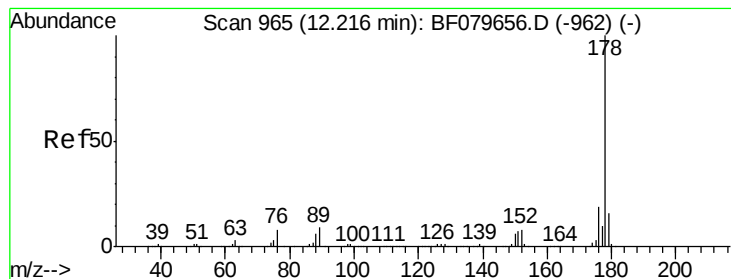
apatel
6/5/2015 8:08:45 AM



#70
Phenanthrene
Concen: 51.78 ng
RT: 12.13 min Scan# 957
Delta R.T. -0.03 min
Lab File: BF079677.D
Acq: 4 Jun 2015 00:09

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.1	15.8	23.8
179	16.1	12.7	19.1





#71

Anthracene

Concen: 12.86 ng

RT: 12.18 min Scan# 962

Delta R.T. -0.03 min

Lab File: BF079677.D

Acq: 4 Jun 2015 00:09

Instrument :

BNA_F

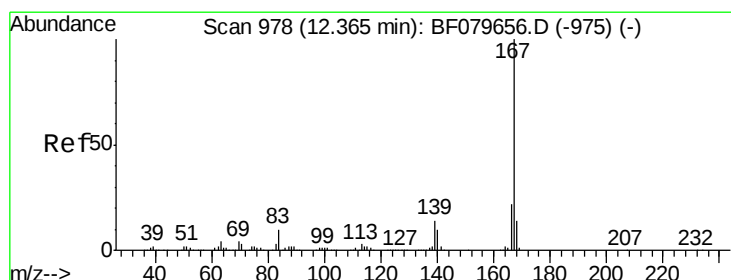
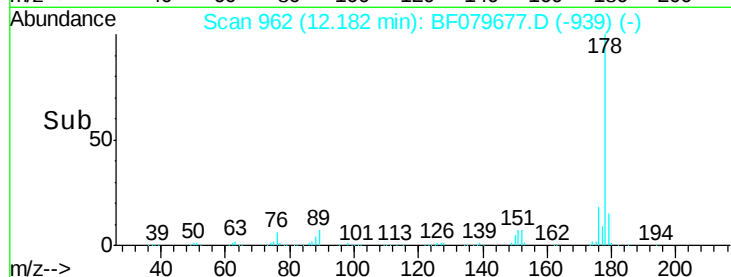
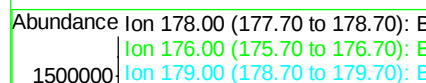
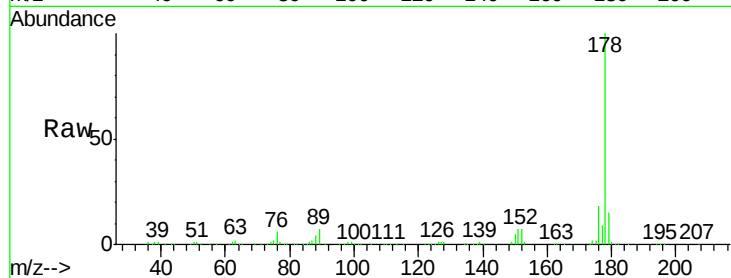
ClientSampleId :

SB-21SDL

Tot Ion:	178	Resp:	264872
Ion Ratio	Lower	Upper	
178	100		
176	18.3	15.4	23.0
179	15.3	12.6	19.0

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#72

Carbazole

Concen: 5.67 ng

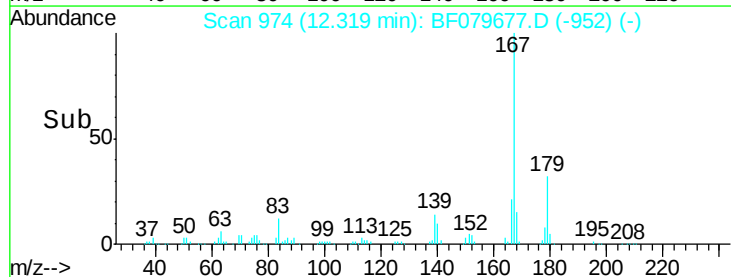
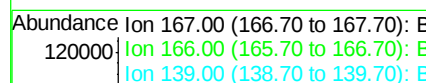
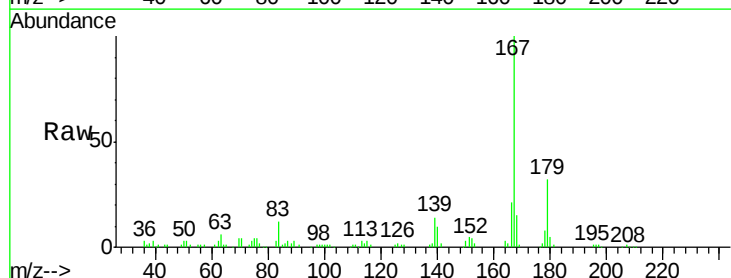
RT: 12.32 min Scan# 974

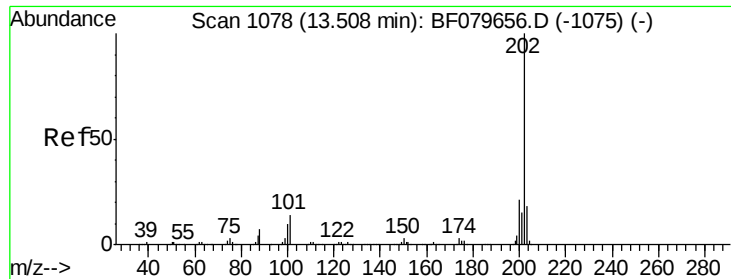
Delta R.T. -0.05 min

Lab File: BF079677.D

Acq: 4 Jun 2015 00:09

Tgt Ion:	167	Resp:	107265
Ion Ratio	Lower	Upper	
167	100		
166	21.2	17.4	26.2
139	13.9	11.3	16.9





#74

Fluoranthene

Concen: 46.26 ng

RT: 13.39 min Scan# 1068

Delta R.T. -0.11 min

Lab File: BF079677.D

Acq: 4 Jun 2015 00:09

Instrument :

BNA_F

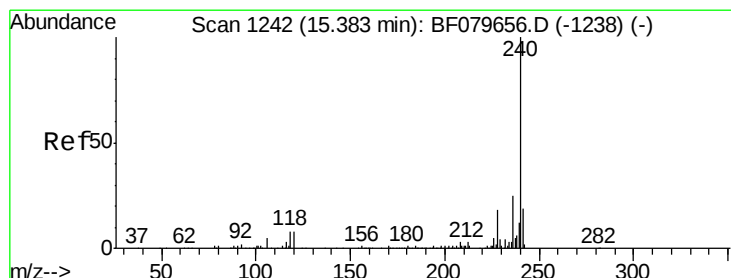
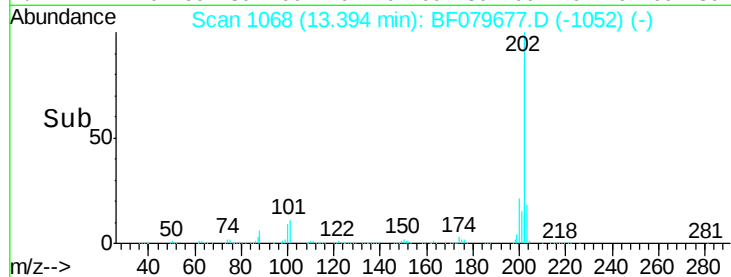
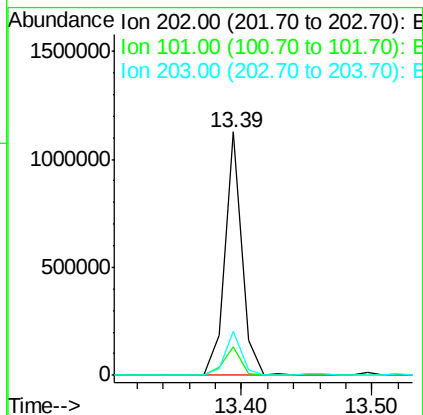
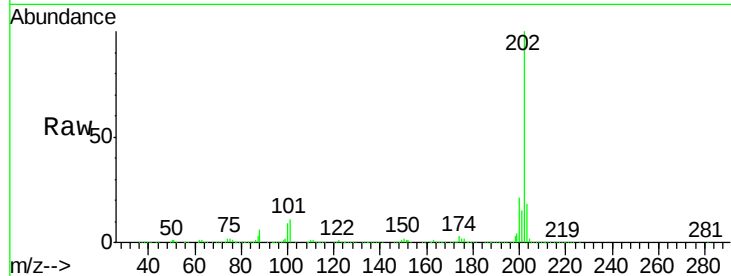
ClientSampleId :

SB-21SDL

Tot Ion:	202	Resp:	1021426
Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	34.0
203	18.0	0.0	37.9

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#75

Chrysene-d12

Concen: 20.00 ng m

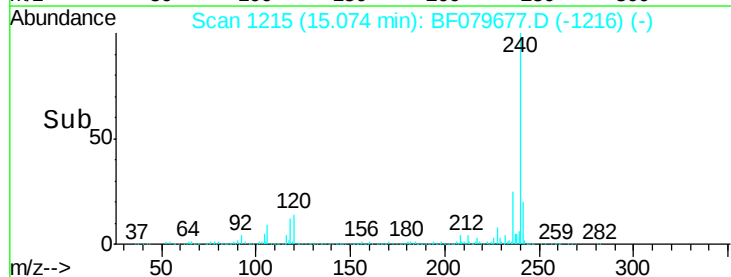
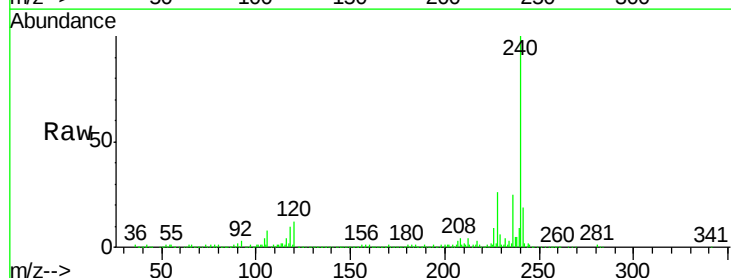
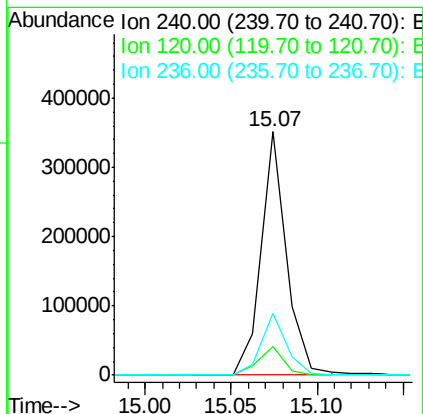
RT: 15.07 min Scan# 1215

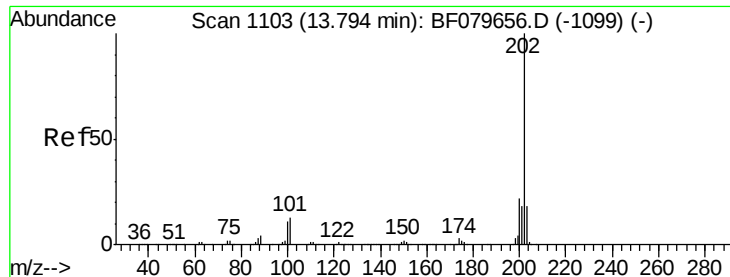
Delta R.T. -0.31 min

Lab File: BF079677.D

Acq: 4 Jun 2015 00:09

Tgt Ion:	240	Resp:	360574
Ion	Ratio	Lower	Upper
240	100		
120	11.6	6.4	9.6#
236	25.2	20.2	30.4





#77

Pvrene

Concen: 43.68 ng/mL

RT: 13.66 min Scan# 1091

Delta R.T. -0.14 min

Lab File: BF079677.D

Acq: 4 Jun 2015 00:09

Instrument :

BNA_F

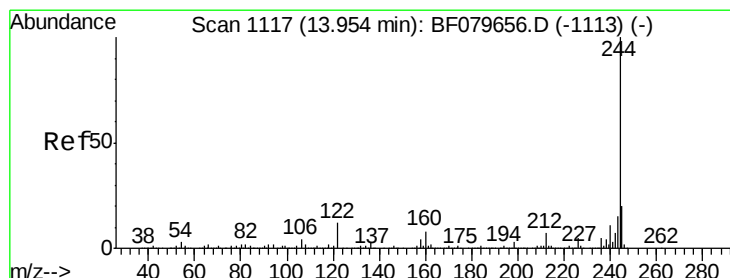
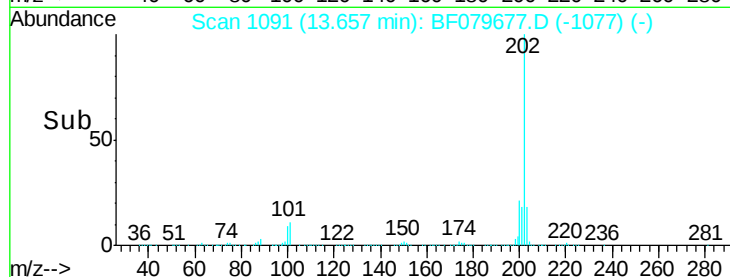
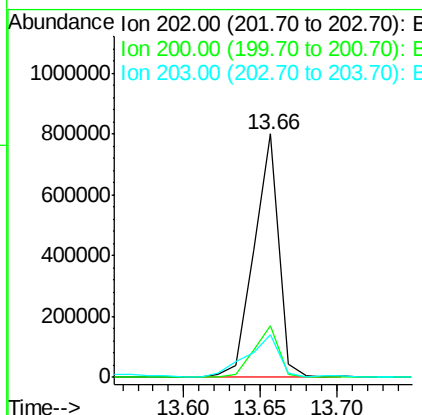
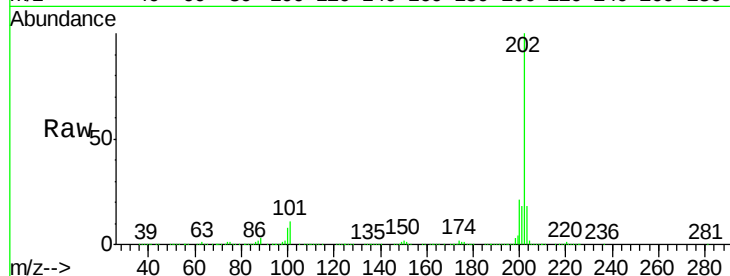
ClientSampled :

SB-21SDL

Tot Ion:	202	Resp:	906792
Ion Ratio		Lower	Upper
202	100		
200	21.3	17.4	26.0
203	17.8	14.5	21.7

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#78

Terphenyl-d14

Concen: 41.49 ng/mL

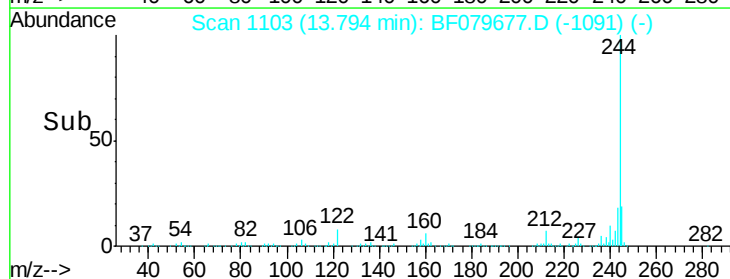
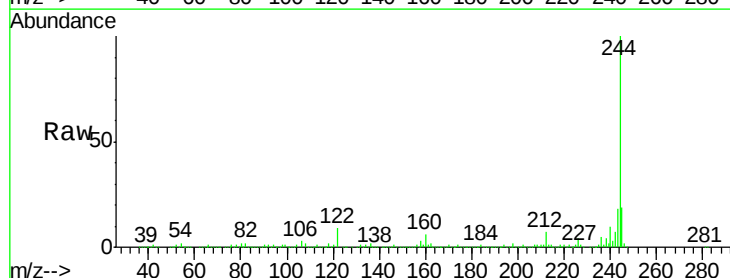
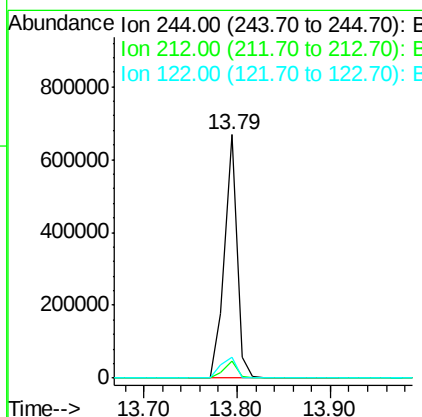
RT: 13.79 min Scan# 1103

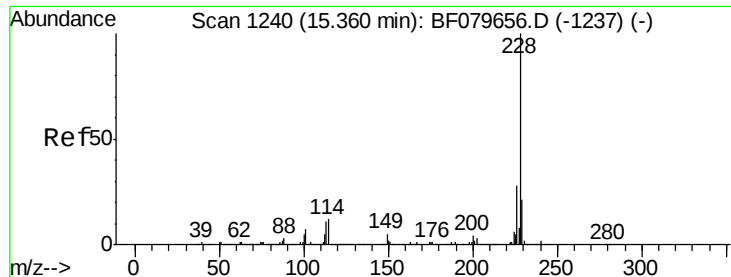
Delta R.T. -0.16 min

Lab File: BF079677.D

Acq: 4 Jun 2015 00:09

Tgt Ion:	244	Resp:	624271
Ion Ratio		Lower	Upper
244	100		
212	6.8	5.9	8.9
122	8.7	9.8	14.6#





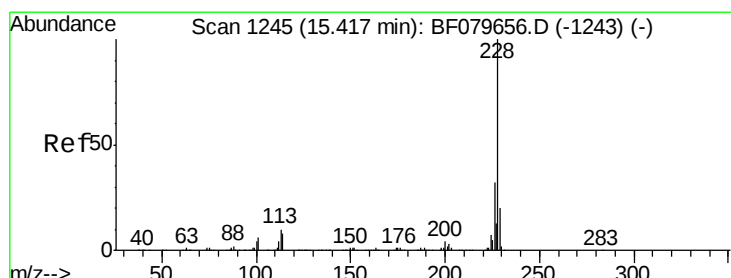
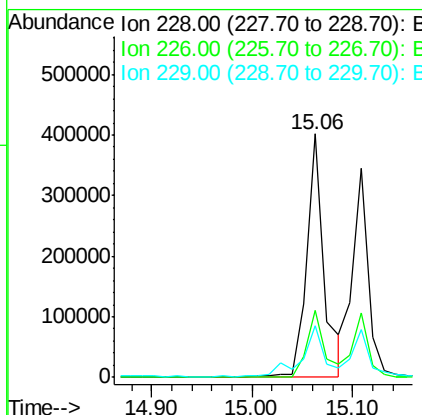
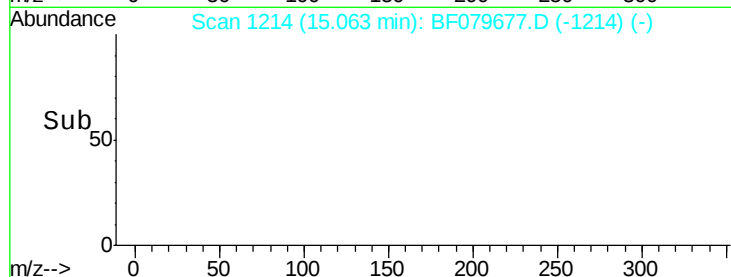
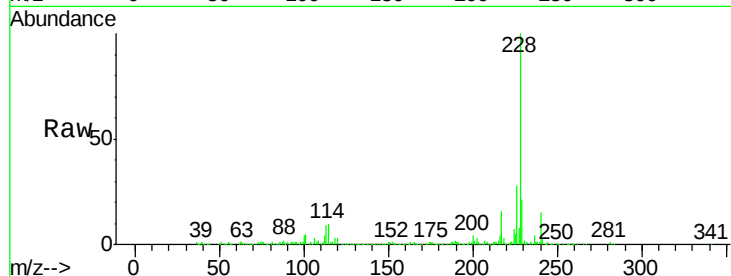
#80
Benzo(a)anthracene
Concen: 24.33 ng
RT: 15.06 min Scan# 1214
Delta R.T. -0.30 min
Lab File: BF079677.D
Acq: 4 Jun 2015 00:09

Instrument :
BNA_F
ClientSampleId :
SB-21SDL

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.5	33.7
229	21.0	16.6	24.8

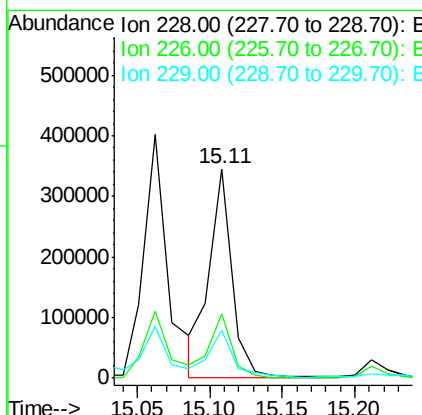
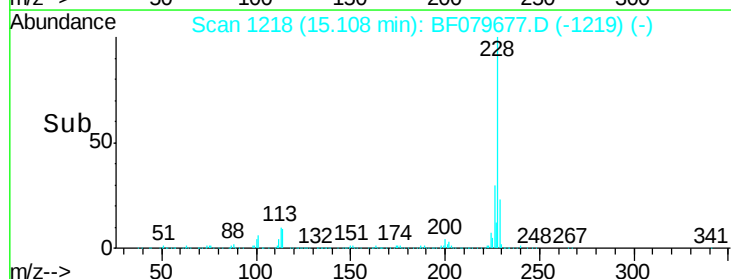
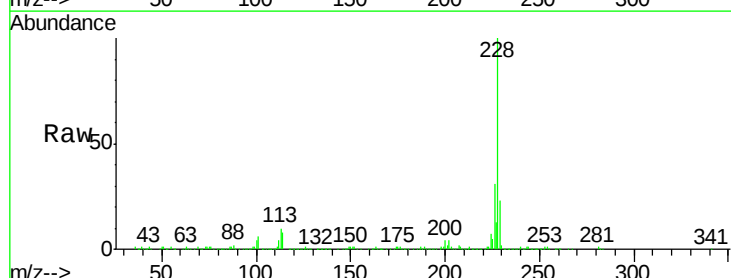
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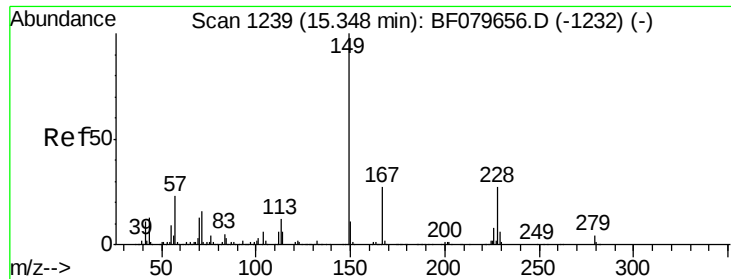
apatel
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#82
Chrysene
Concen: 19.11 ng
RT: 15.11 min Scan# 1218
Delta R.T. -0.31 min
Lab File: BF079677.D
Acq: 4 Jun 2015 00:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.2	37.8
229	23.0	16.3	24.5





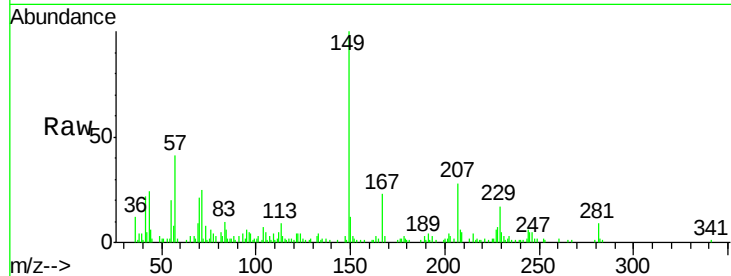
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 5.78 ng
 RT: 15.02 min Scan# 1210
 Delta R.T. -0.33 min
 Lab File: BF079677.D
 Acq: 4 Jun 2015 00:09

Instrument :
 BNA_F
 ClientSampleId :
 SB-21SDL

Tot Ion	Ratio	Lower	Upper
149	100		
167	23.0	21.6	32.4
279	1.4	3.1	4.7#

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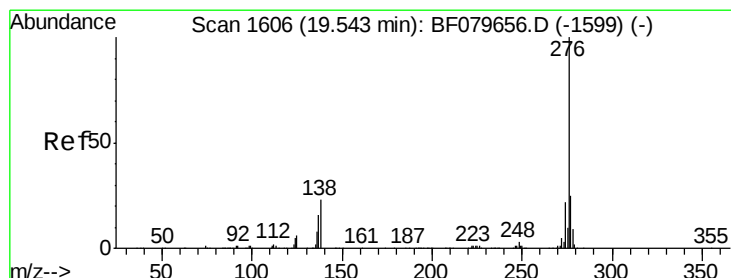
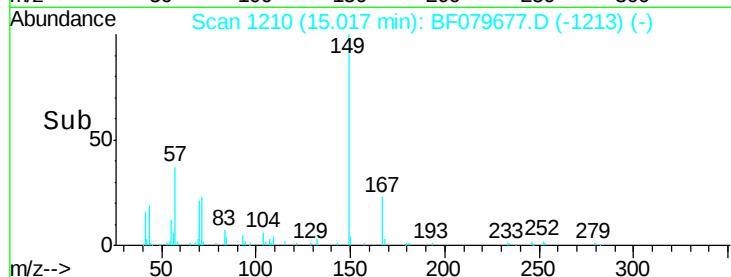
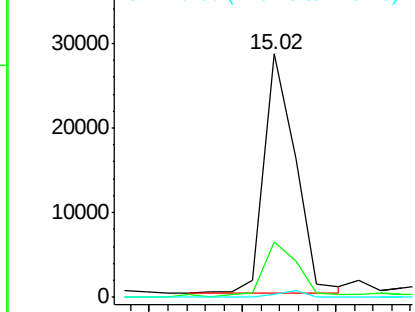


Abundance

Ion 149.00 (148.70 to 149.70): E

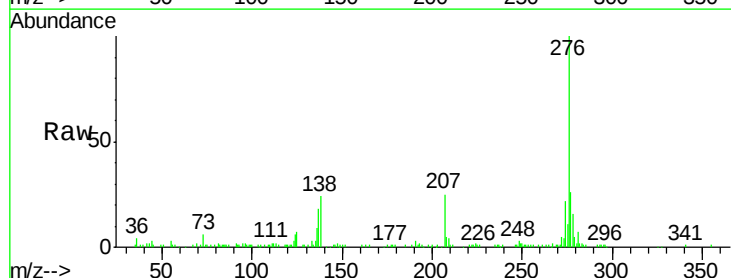
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.64 ng
 RT: 19.05 min Scan# 1563
 Delta R.T. -0.49 min
 Lab File: BF079677.D
 Acq: 4 Jun 2015 00:09

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.8	21.9	32.9#
277	22.0	20.2	30.4

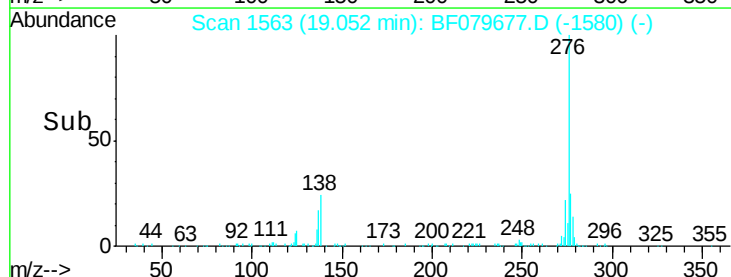
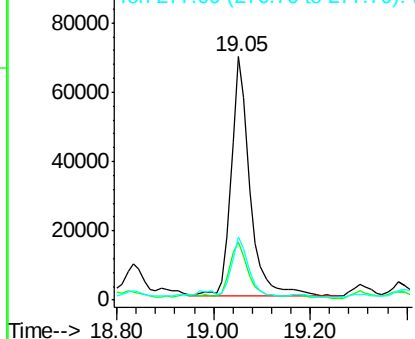


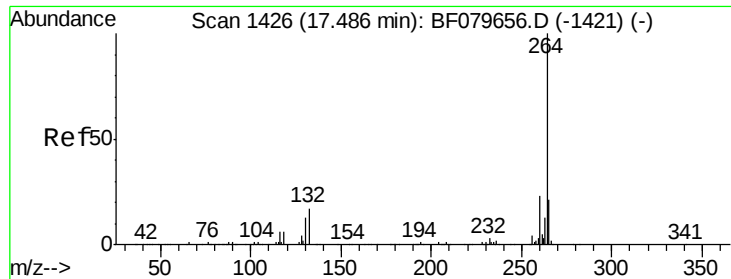
Abundance

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





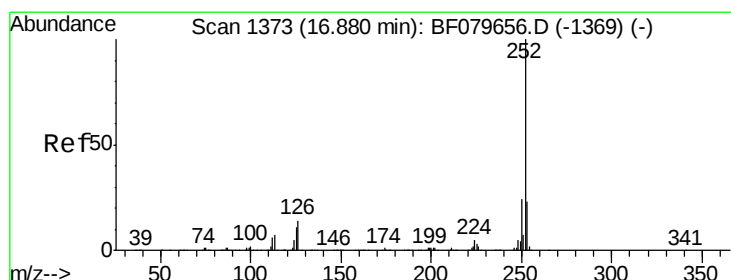
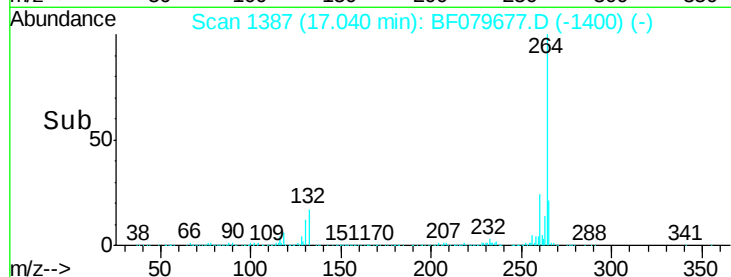
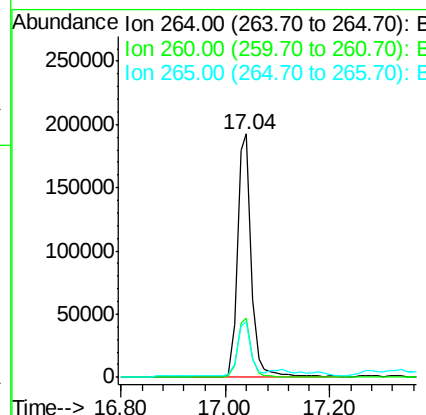
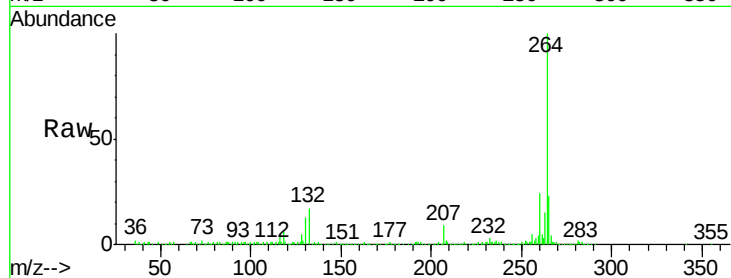
#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.04 min Scan# 1387
Delta R.T. -0.45 min
Lab File: BF079677.D
Acq: 4 Jun 2015 00:09

Instrument :
BNA_F
ClientSampleId :
SB-21SDL

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.3	18.8	28.2	
265	22.5	17.4	26.0	

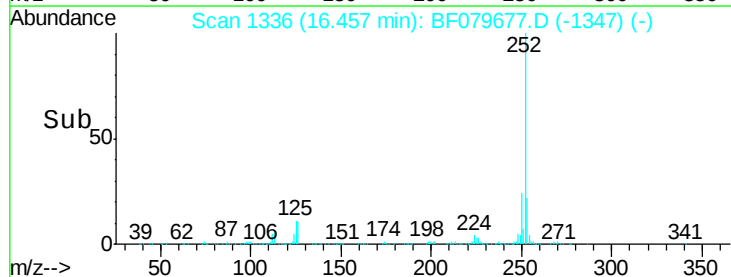
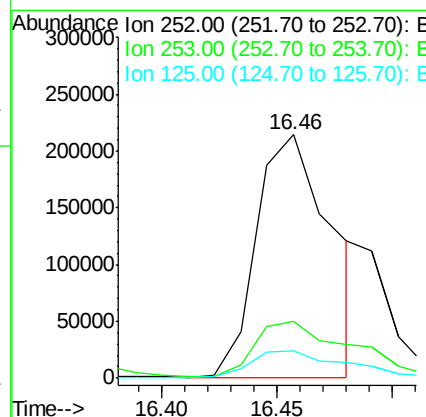
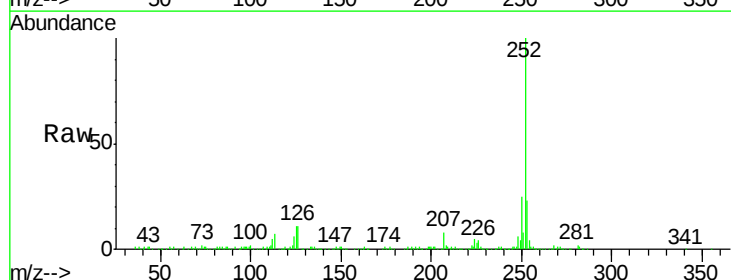
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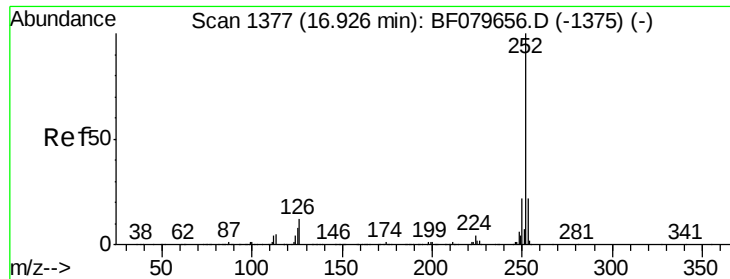
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#87
Benzo(b)fluoranthene
Concen: 26.24 ng m
RT: 16.46 min Scan# 1336
Delta R.T. -0.42 min
Lab File: BF079677.D
Acq: 4 Jun 2015 00:09

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.2	18.0	27.0	
125	11.2	8.7	13.1	





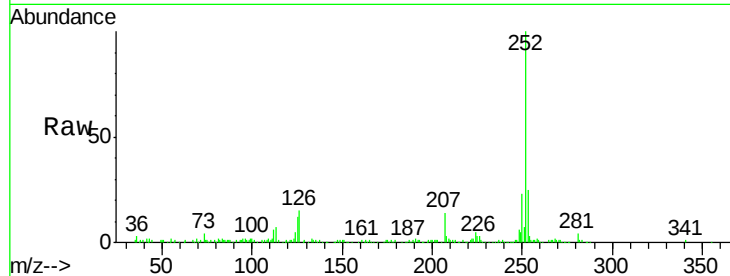
#88
Benzo(k)fluoranthene
Concen: 5.54 ng m
RT: 16.48 min Scan# 1338
Delta R.T. -0.45 min
Lab File: BF079677.D
Acq: 4 Jun 2015 00:09

Instrument :
BNA_F
ClientSampled :
SB-21SDL

Tot Ion	Ratio	Resp	Lower	Upper
252	100	120519		
253	24.9		17.4	26.2
125	12.0		7.1	10.7

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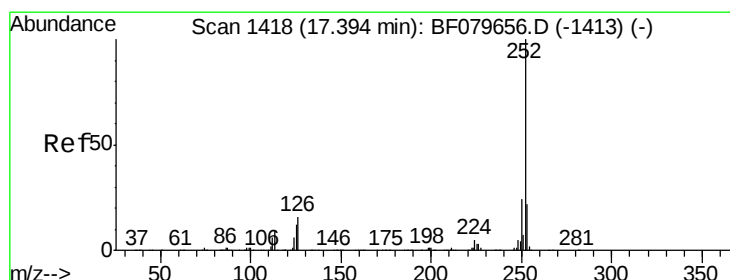
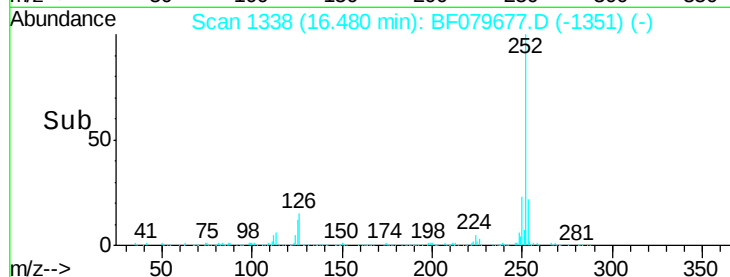
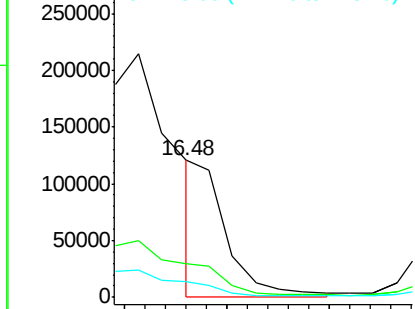


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 18.96 ng
RT: 16.95 min Scan# 1379
Delta R.T. -0.45 min
Lab File: BF079677.D
Acq: 4 Jun 2015 00:09

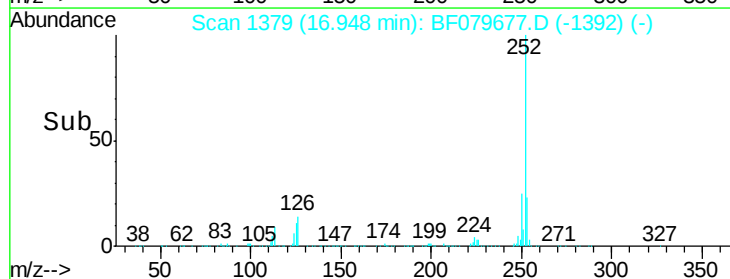
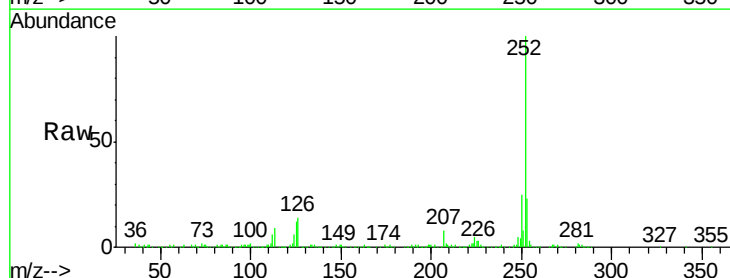
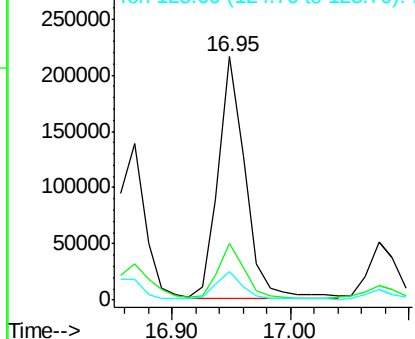
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	344308		
253	23.1		17.9	26.9
125	11.6		9.4	14.0

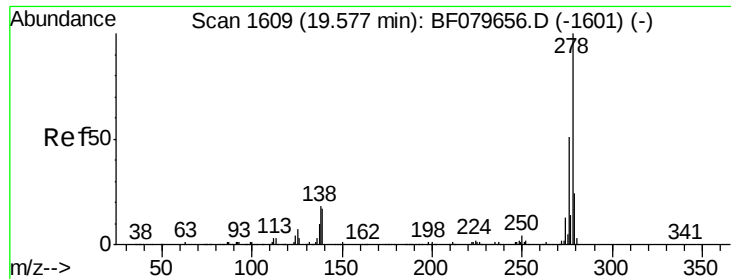
Abundance

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





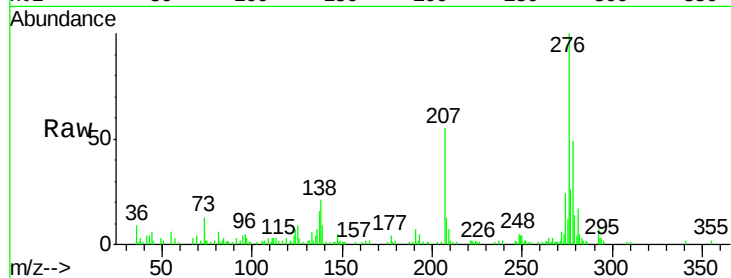
#90
Dibenzo(a,h)anthracene
Concen: 2.37 ng
RT: 19.07 min Scan# 1565
Delta R.T. -0.50 min
Lab File: BF079677.D
Acq: 4 Jun 2015 00:09

Instrument :
BNA_F
ClientSampleId :
SB-21SDL

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.7	13.7	20.5
279	28.6	19.6	29.4

Manual Integrations
APPROVED

apatel
6/5/2015 8:08:45 AM

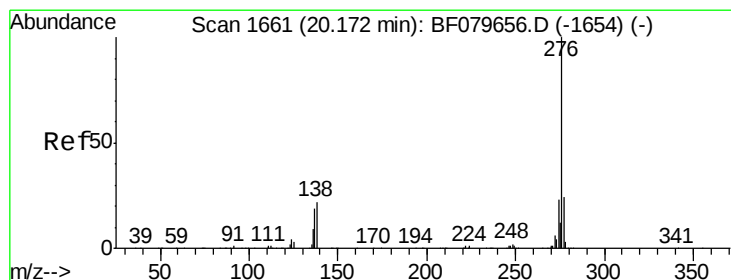
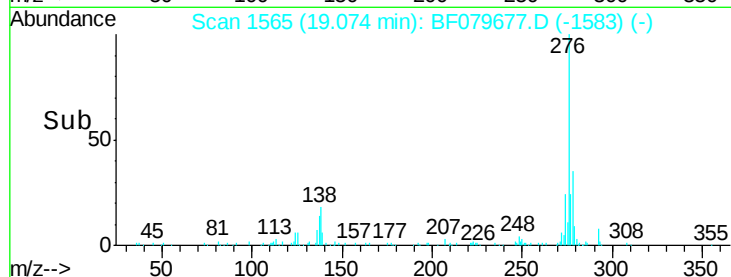
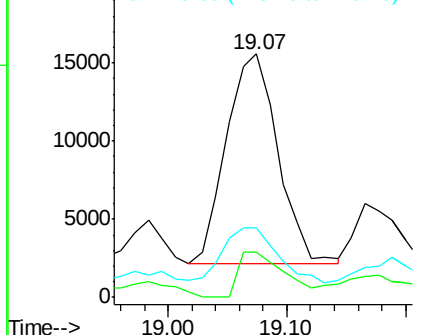


Abundance

Ion 278.00 (277.70 to 278.70): E

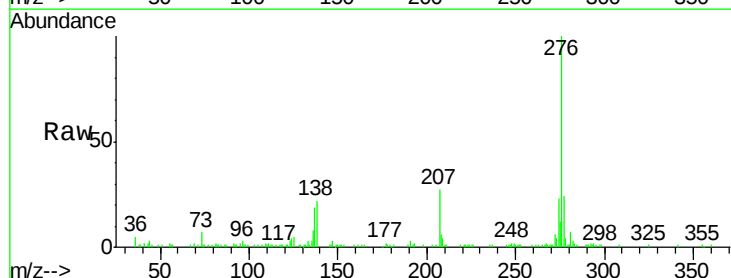
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 10.06 ng
RT: 19.67 min Scan# 1617
Delta R.T. -0.50 min
Lab File: BF079677.D
Acq: 4 Jun 2015 00:09

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.1	28.7
138	22.3	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

