

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM120617\
 Data File : BM013235.D
 Acq On : 07 Dec 2017 06:28
 Operator : SJ/JU
 Sample : I6713-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE163

Manual Integrations
 APPROVED

Sohil
 12/7/2017 11:41:37 AM

Quant Time: Dec 07 07:12:49 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 07 04:35:17 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	333726	20.00	ng/ul	0.00
18) Naphthalene-d8	10.49	136	1452234	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.34	164	831861	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.10	188	1785439	20.00	ng/ul	0.01
75) Chrysene-d12	21.29	240	1377758	20.00	ng/ul	0.01
83) Perylene-d12	23.53	264	1205806	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	25372m	3.77	ng/uL	0.00
5) Phenol-d5	6.88	99	722607	25.02	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.05	67	402322	24.43	ng/ul	0.00
9) 2-Chlorophenol-d4	7.24	132	584247	25.89	ng/ul	0.00
13) 4-Methylphenol-d8	8.41	113	614207	24.90	ng/ul	0.00
19) Nitrobenzene-d5	8.86	128	309289	26.86	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	340474	27.62	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.11	165	667404	26.28	ng/ul	0.00
29) 4-Chloroaniline-d4	10.63	131	447156	19.15	ng/ul	0.00
43) Dimethylphthalate-d6	13.76	166	2021817	27.31	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	2610935	28.58	ng/ul	0.00
51) 4-Nitrophenol-d4	14.56	143	319455	24.84	ng/ul	0.00
57) Fluorene-d10	15.34	176	1737569	27.29	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.47	200	154677	13.77	ng/ul	0.00
70) Anthracene-d10	17.19	188	2566936	28.71	ng/ul	0.00
76) Pyrene-d10	19.49	212	2461202	35.86	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.39	264	1737506	28.29	ng/ul	0.02

Target Compounds

					Ovalue	
4) Benzaldehyde	6.86	77	22514	1.576	ng/ul#	82
6) Phenol	6.90	94	231756	8.119	ng/ul#	84
11) 2-Methylphenol	8.15	108	102329	4.635	ng/ul	84
14) Acetophenone	8.52	105	63907	1.704	ng/ul#	83
28) Naphthalene	10.53	128	3276545	43.853	ng/ul	100
34) 2-Methylnaphthalene	12.15	142	1171271	20.854	ng/ul	95
40) 1,1'-Biphenyl	13.17	154	460525	6.550	ng/ul	99
44) Dimethylphthalate	13.80	163	533399	7.534	ng/ul	99
47) Acenaphthylene	14.06	152	136175	1.611	ng/ul#	95
49) Acenaphthene	14.41	153	1254945	21.792	ng/ul	97
53) Dibenzofuran	14.74	168	1545974	18.185	ng/ul	99
58) Fluorene	15.40	166	940309	13.370	ng/ul	95
69) Phenanthrene	17.14	178	4900195	48.309	ng/ul	99
71) Anthracene	17.23	178	1378857	13.299	ng/ul	99
72) Carbazole	17.50	167	462163	5.182	ng/ul	100
74) Fluoranthene	19.16	202	5233397	42.101	ng/ul#	93
77) Pyrene	19.52	202	4309981	51.492	ng/ul#	93
80) Benzo(a)anthracene	21.27	228	1927904	22.055	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.20	149	699812	14.196	ng/ul	97
82) Chrysene	21.32	228	1711904	21.109	ng/ul	96
85) Benzo(b)fluoranthene	22.86	252	1958011	24.088	ng/ul#	96
86) Benzo(k)fluoranthene	22.89	252	724923m	9.477	ng/ul	
88) Benzo(a)pyrene	23.43	252	1345206	18.423	ng/ul#	96

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 07 04:35:17 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Indeno(1,2,3-cd)pyrene	25.77	276	803373	11.089	ng/ul#	96
90) Dibenzo(a,h)anthracene	25.77	278	219047	3.551	ng/ul#	78
91) Benzo(g,h,i)perylene	26.47	276	698772	12.227	ng/ul#	92

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

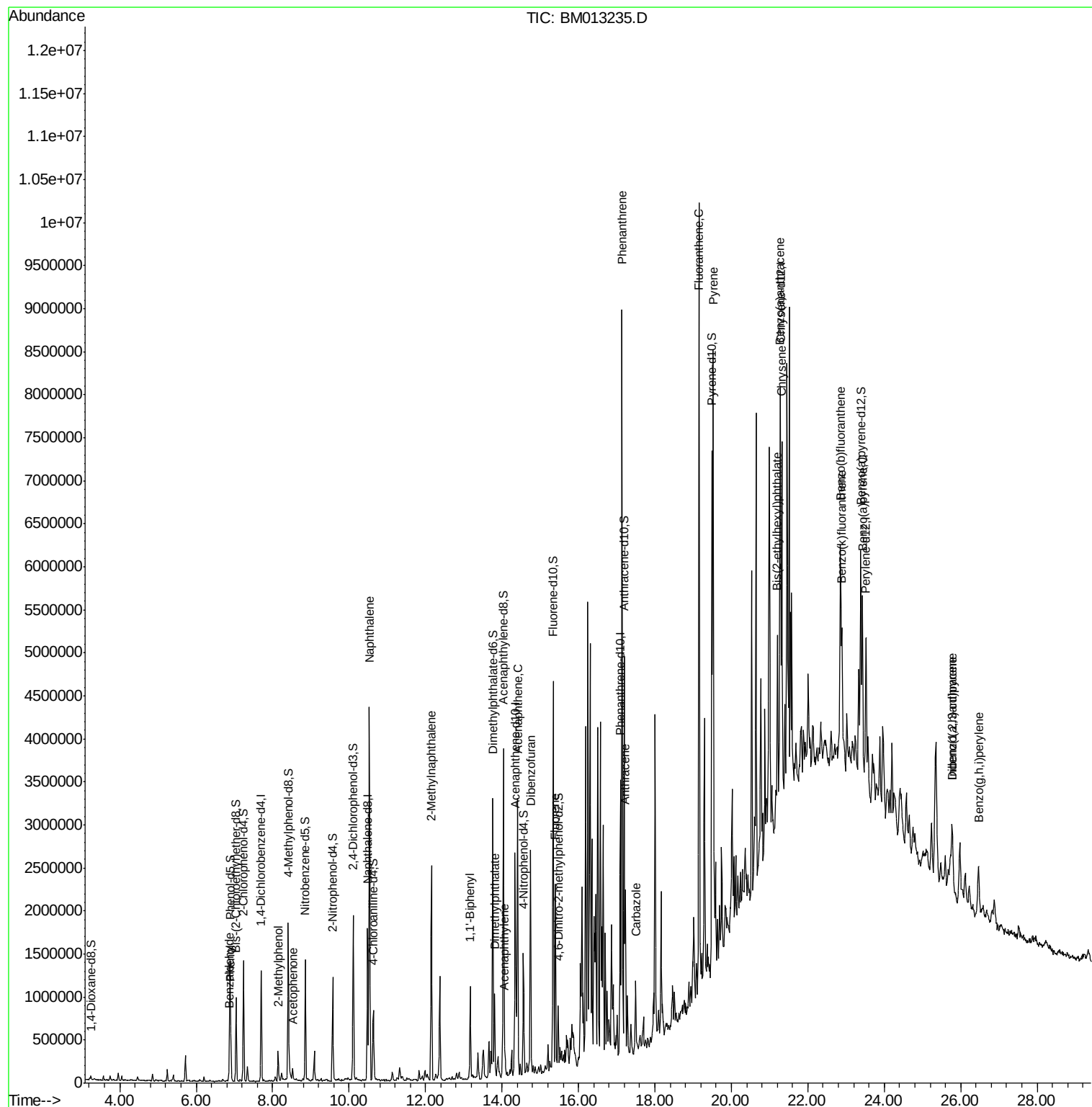
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM120617\
Data File : BM013235.D
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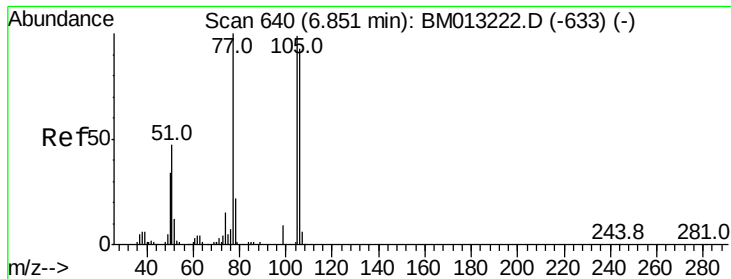
Instrument :
BNA_M
ClientSampled :
BE163

Manual Integrations
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Sohil
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Quant Time: Dec 07 07:12:49 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 07 04:35:17 2017
Response via : Initial Calibration





#4

Benzaldehyde

Concen: 1.576 ng/ul

RT: 6.86 min Scan# 641

Delta R.T. 0.01 min

Lab File: BM013235.D

Acq: 07 Dec 2017 06:28

Instrument :

BNA_M

ClientSampled :

BE163

Tot Ion: 77 Resp: 22514

Ion Ratio Lower Upper

77 100

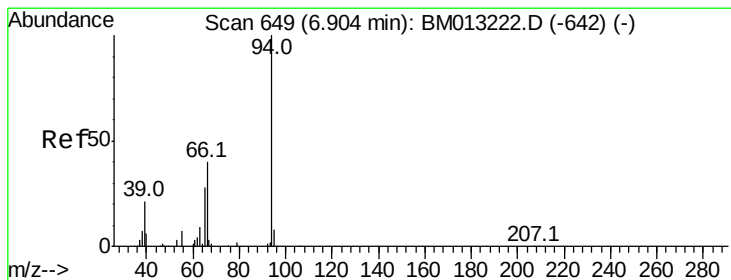
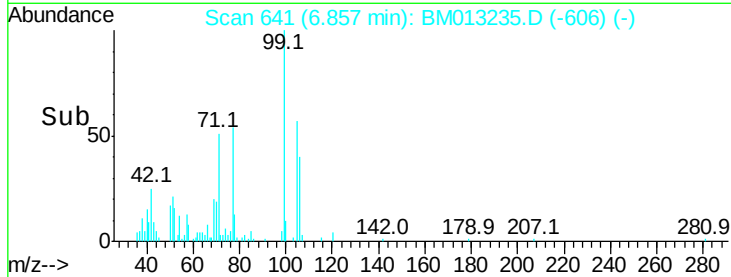
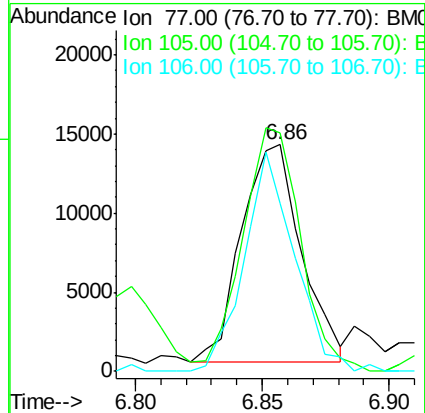
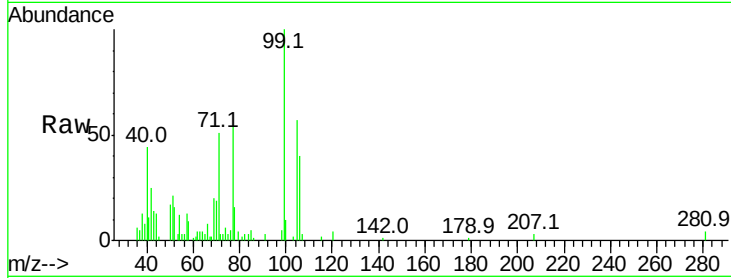
105 105.4 66.1 99.1#

106 74.1 67.8 101.6

Manual Integrations
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#6

Phenol

Concen: 8.119 ng/ul

RT: 6.90 min Scan# 649

Delta R.T. -0.00 min

Lab File: BM013235.D

Acq: 07 Dec 2017 06:28

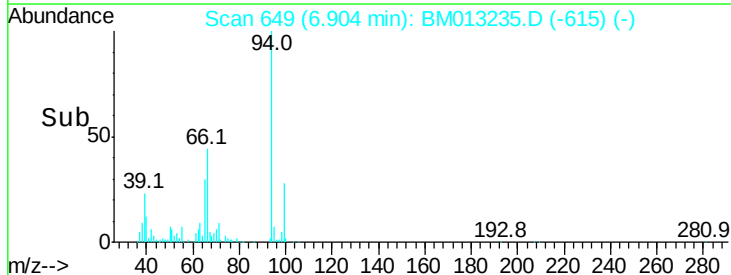
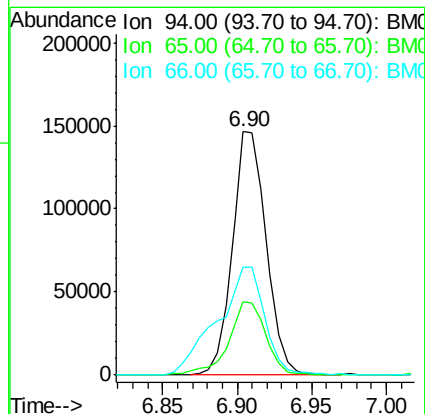
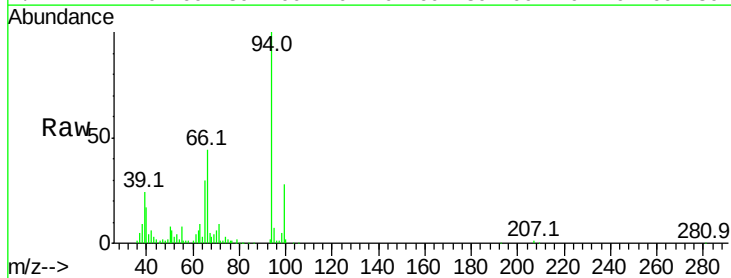
Tgt Ion: 94 Resp: 231756

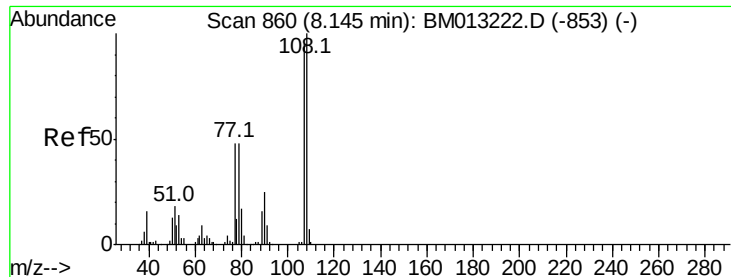
Ion Ratio Lower Upper

94 100

65 30.2 28.2 42.4

66 44.3 47.2 70.8#





#11

2-Methylphenol

Concen: 4.635 ng/ul

RT: 8.15 min Scan# 860

Delta R.T. -0.00 min

Lab File: BM013235.D

Acq: 07 Dec 2017 06:28

Instrument :

BNA_M

ClientSampleId :

BE163

Tot Ion:108 Resp: 102329

Ion Ratio Lower Upper

108 100

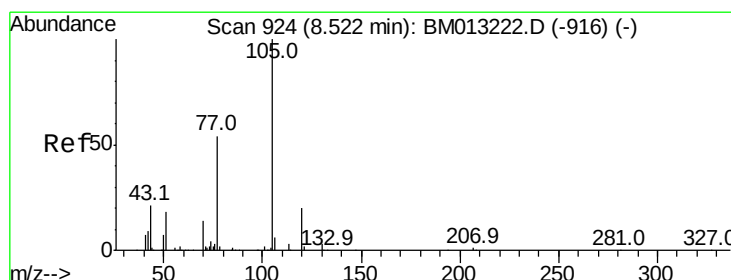
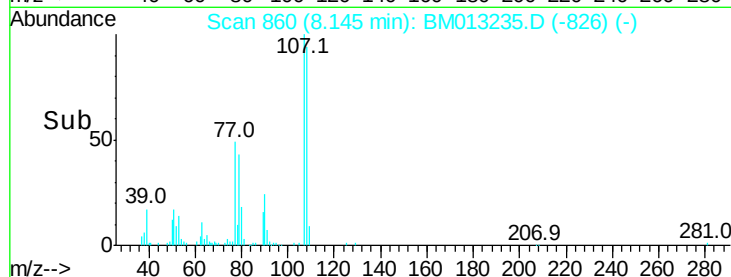
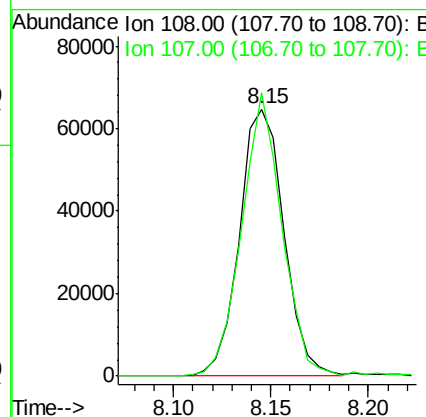
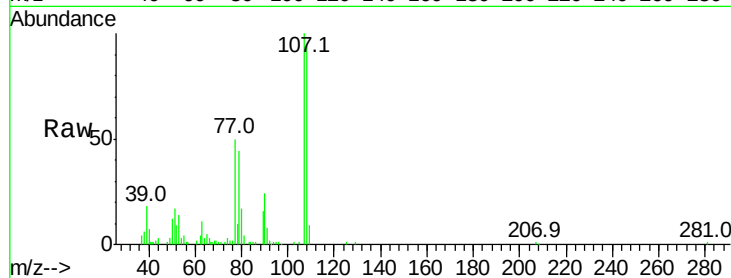
107 106.0 72.6 108.8

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#14

Acetophenone

Concen: 1.704 ng/ul

RT: 8.52 min Scan# 924

Delta R.T. -0.00 min

Lab File: BM013235.D

Acq: 07 Dec 2017 06:28

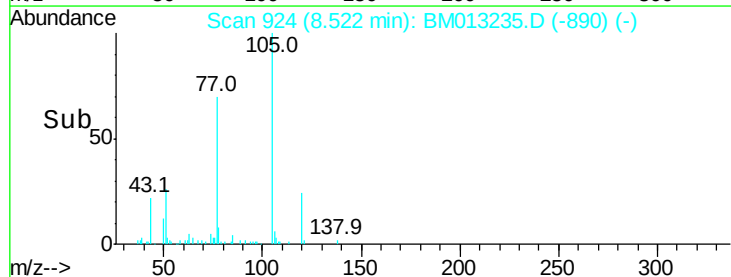
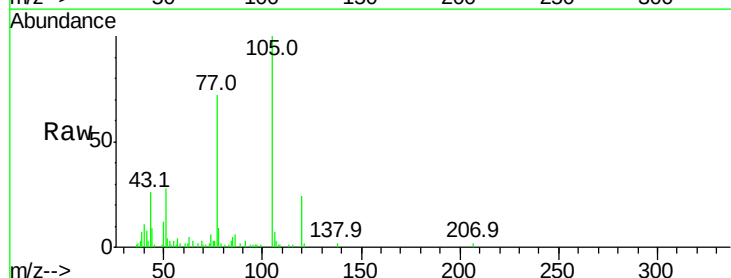
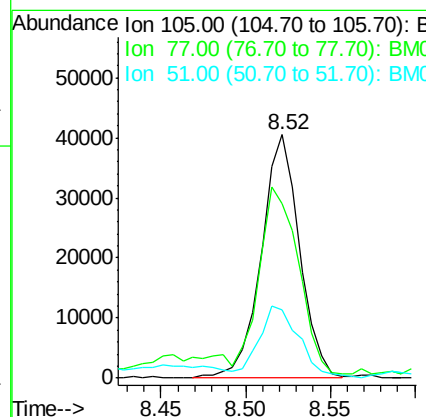
Tgt Ion:105 Resp: 63907

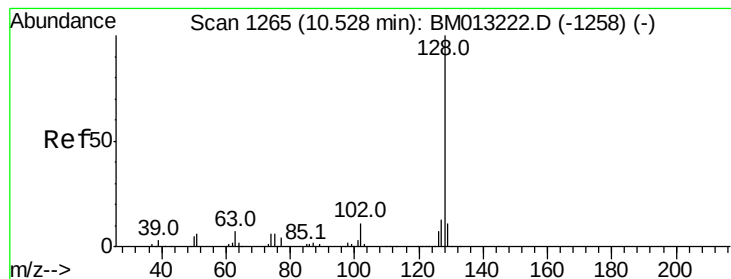
Ion Ratio Lower Upper

105 100

77 71.7 74.2 111.4#

51 27.8 23.4 35.2





#28

Naphthalene

Concen: 43.853 ng/ul

RT: 10.53 min Scan# 1266

Delta R.T. 0.01 min

Lab File: BM013235.D

Acq: 07 Dec 2017 06:28

Instrument :

BNA_M

ClientSampled :

BE163

Tot Ion:128 Resp: 3276545

Ion Ratio Lower Upper

128 100

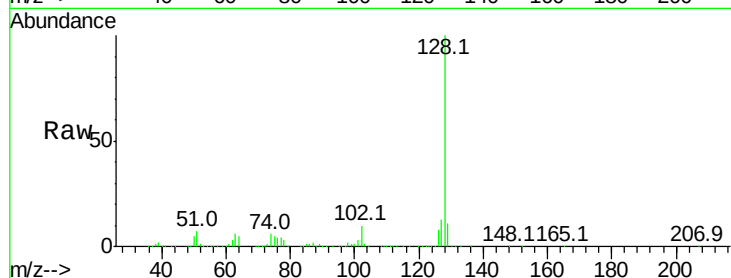
129 10.9 8.8 13.2

127 13.2 10.6 16.0

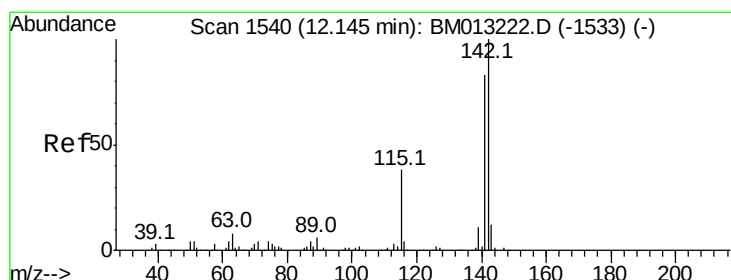
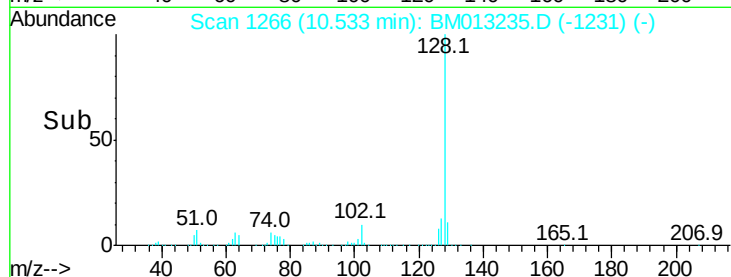
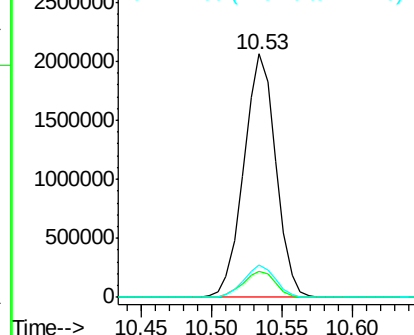
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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 20.854 ng/ul

RT: 12.15 min Scan# 1541

Delta R.T. 0.01 min

Lab File: BM013235.D

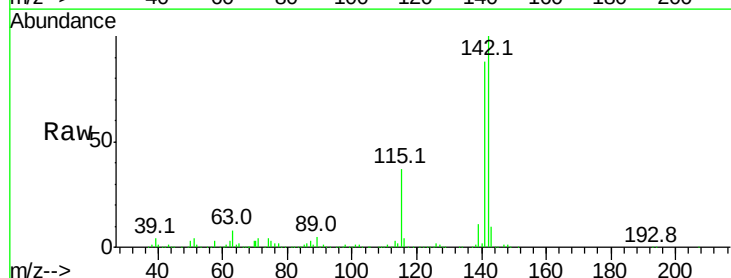
Acq: 07 Dec 2017 06:28

Tgt Ion:142 Resp: 1171271

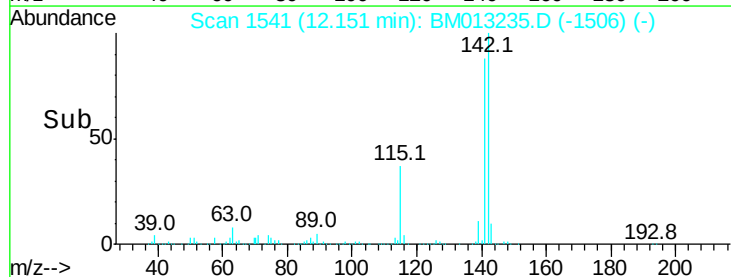
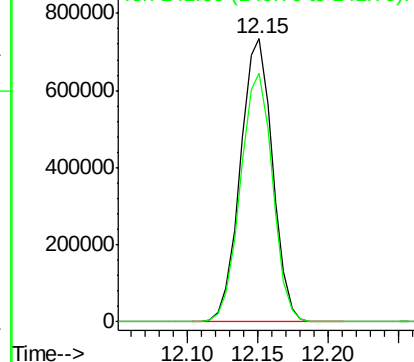
Ion Ratio Lower Upper

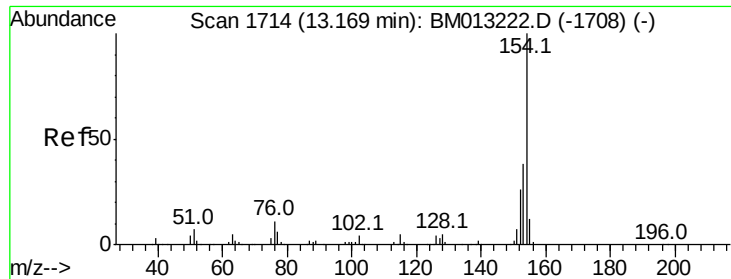
142 100

141 87.8 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#40

1,1'-Biphenyl

Concen: 6.550 ng/ul

RT: 13.17 min Scan# 1714

Delta R.T. -0.00 min

Lab File: BM013235.D

Acq: 07 Dec 2017 06:28

Instrument :

BNA_M

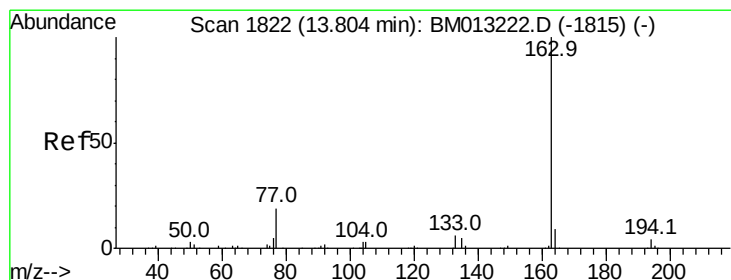
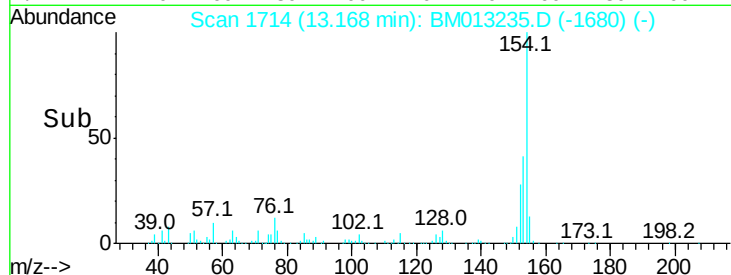
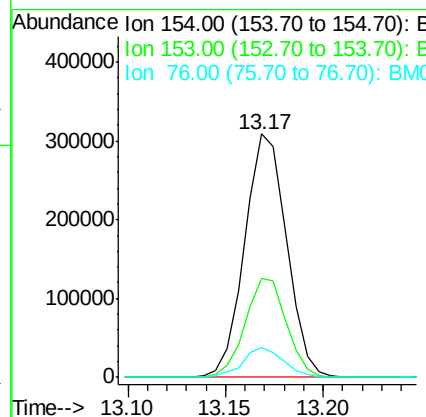
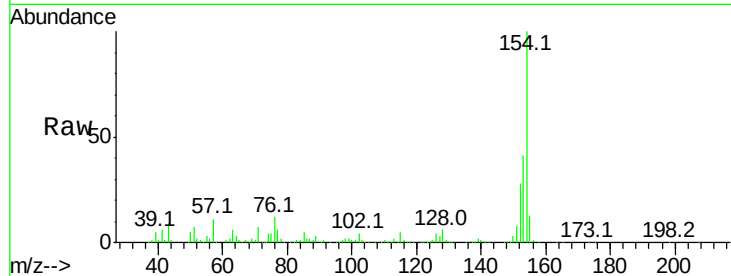
ClientSampleId :

BE163

Tot Ion:	154	Resp:	460525
Ion Ratio	Lower	Upper	
154	100		
153	40.7	32.6	48.8
76	12.5	8.5	12.7

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#44

Dimethylphthalate

Concen: 7.534 ng/ul

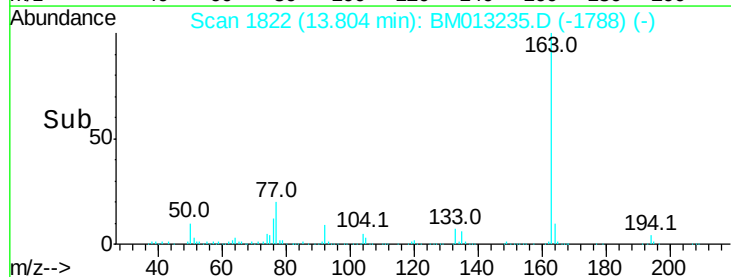
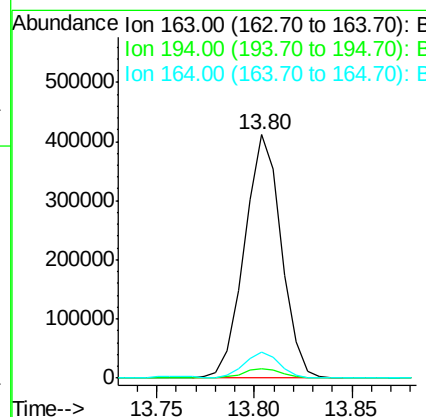
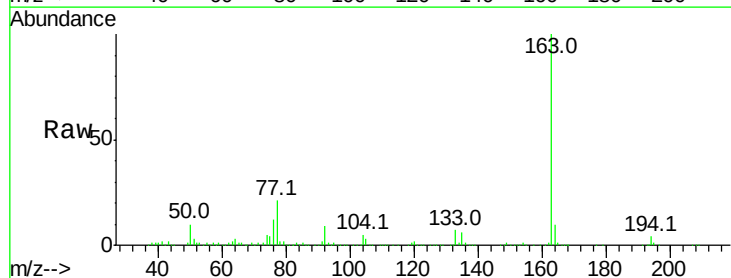
RT: 13.80 min Scan# 1822

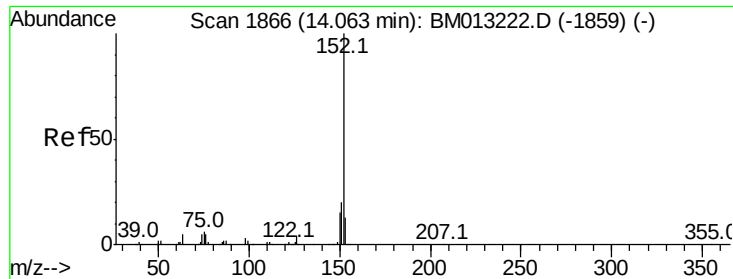
Delta R.T. -0.00 min

Lab File: BM013235.D

Acq: 07 Dec 2017 06:28

Tgt Ion:	163	Resp:	533399
Ion Ratio	Lower	Upper	
163	100		
194	3.9	3.5	5.3
164	10.5	8.2	12.4





#47

Acenaphthylene

Concen: 1.611 ng/ul

RT: 14.06 min Scan# 1866

Delta R.T. -0.00 min

Lab File: BM013235.D

Acq: 07 Dec 2017 06:28

Instrument :

BNA_M

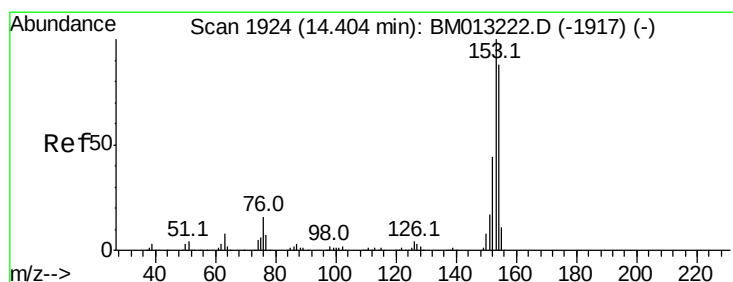
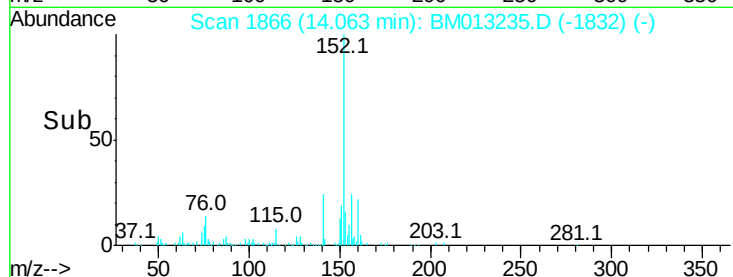
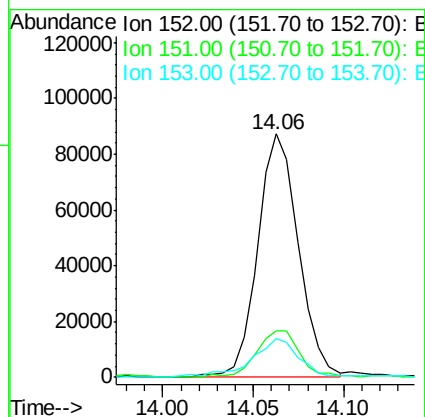
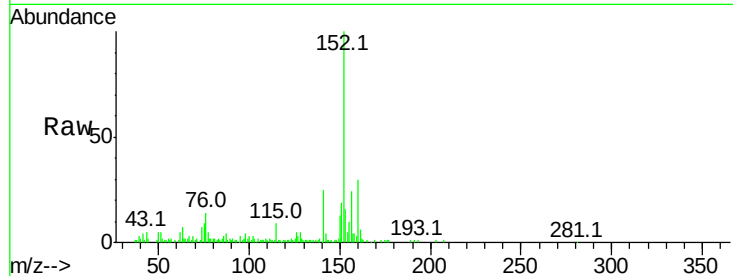
ClientSampleId :

BE163

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.0	16.3	24.5
153	15.9	10.2	15.4

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#49

Acenaphthene

Concen: 21.792 ng/ul

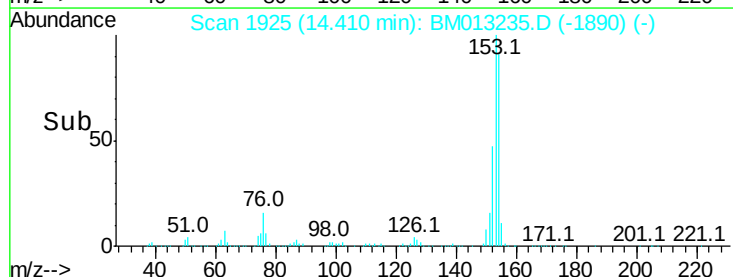
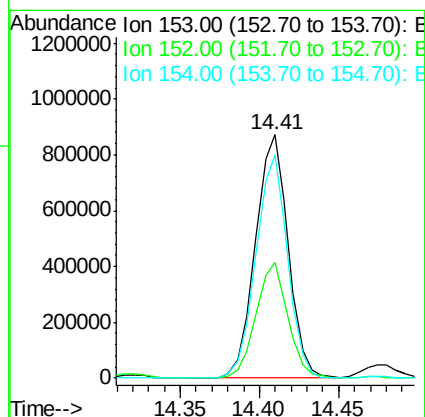
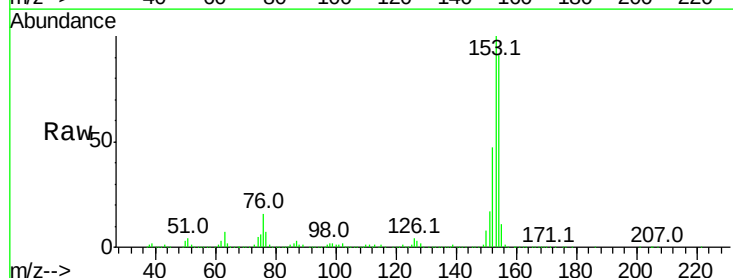
RT: 14.41 min Scan# 1925

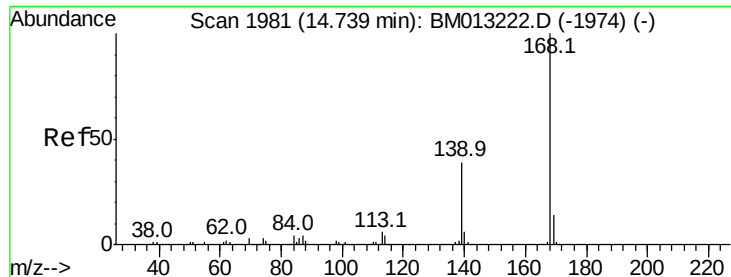
Delta R.T. 0.01 min

Lab File: BM013235.D

Acq: 07 Dec 2017 06:28

Tgt Ion	Ratio	Lower	Upper
153	100		
152	47.3	37.6	56.4
154	91.4	70.4	105.6





#53

Dibenzenofuran

Concen: 18.185 ng/ul

RT: 14.74 min Scan# 1982

Delta R.T. 0.01 min

Lab File: BM013235.D

Acq: 07 Dec 2017 06:28

Instrument :

BNA_M

ClientSampleId :

BE163

Tot Ion:168 Resp: 1545974

Ion Ratio Lower Upper

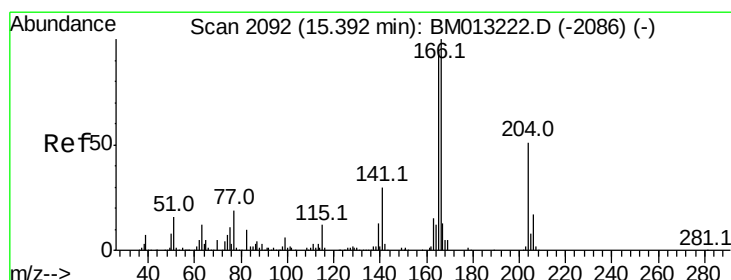
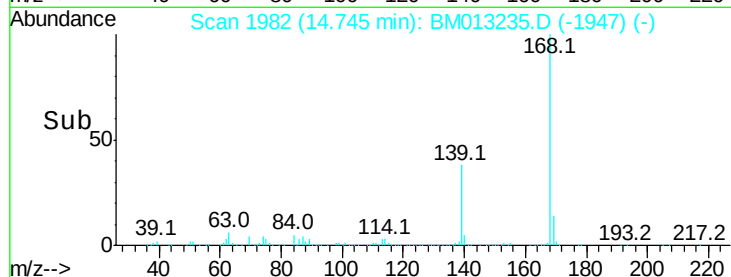
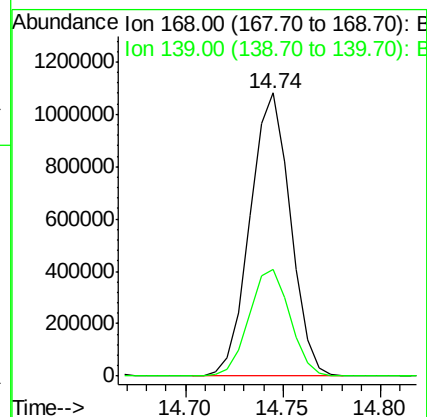
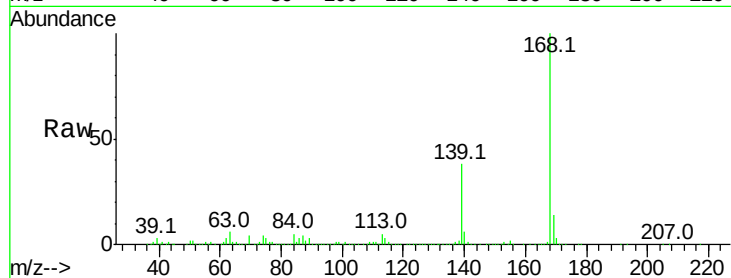
168 100

139 37.7 30.8 46.2

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#58

Fluorene

Concen: 13.370 ng/ul

RT: 15.40 min Scan# 2093

Delta R.T. 0.01 min

Lab File: BM013235.D

Acq: 07 Dec 2017 06:28

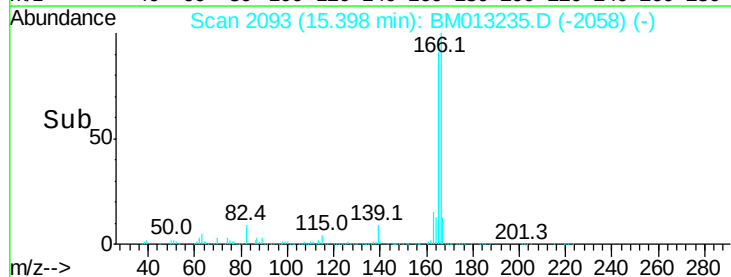
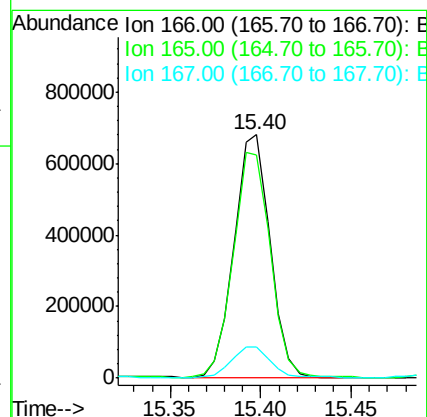
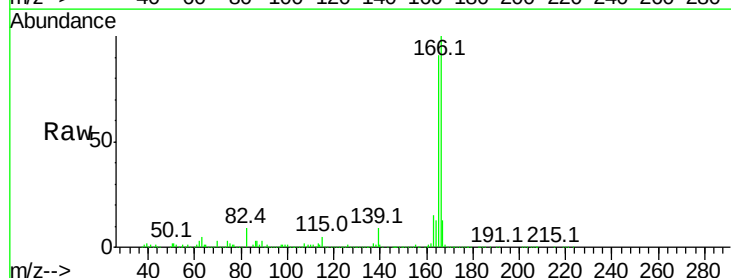
Tgt Ion:166 Resp: 940309

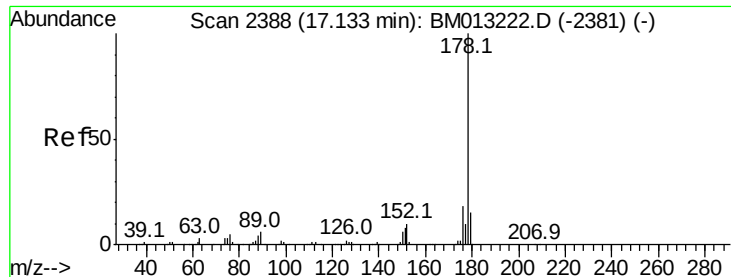
Ion Ratio Lower Upper

166 100

165 91.5 77.9 116.9

167 13.0 10.6 16.0





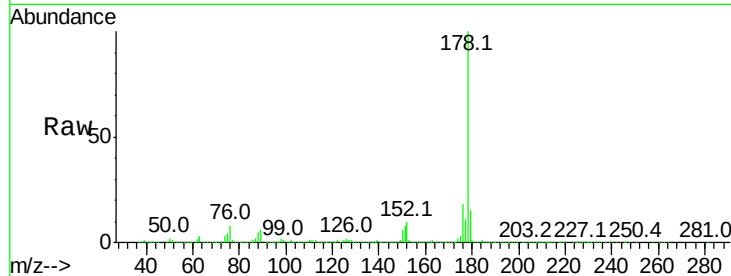
#69
 Phenanthrene
 Concen: 48.309 ng/ul
 RT: 17.14 min Scan# 2389
 Delta R.T. 0.01 min
 Lab File: BM013235.D
 Acq: 07 Dec 2017 06:28

Instrument :
 BNA_M
 ClientSampled :
 BE163

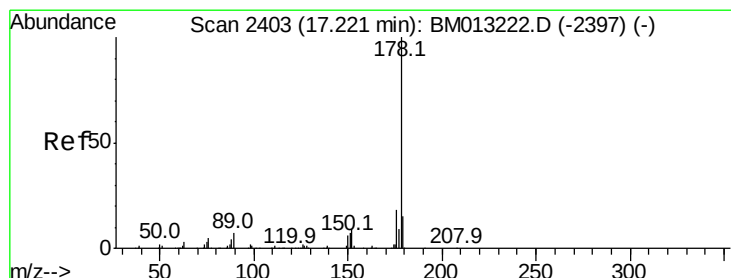
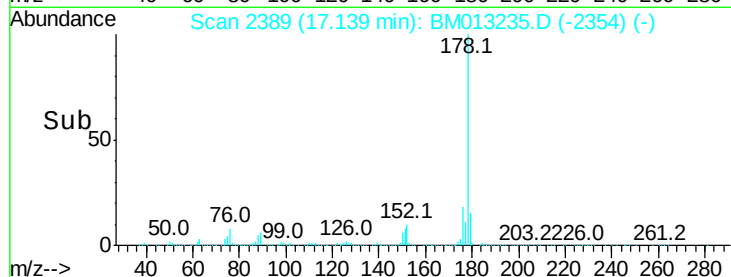
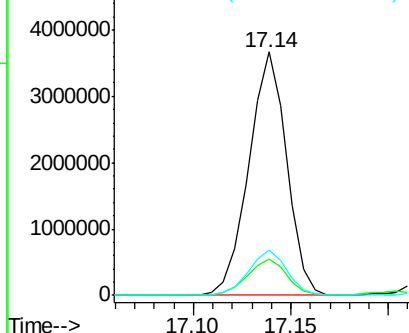
Tot Ion:178 Resp: 4900195
 Ion Ratio Lower Upper
 178 100
 179 15.1 12.6 19.0
 176 18.3 14.9 22.3

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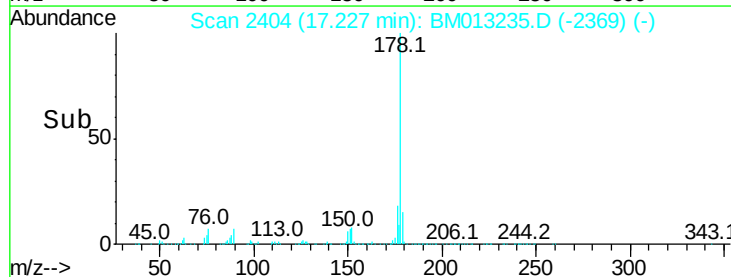
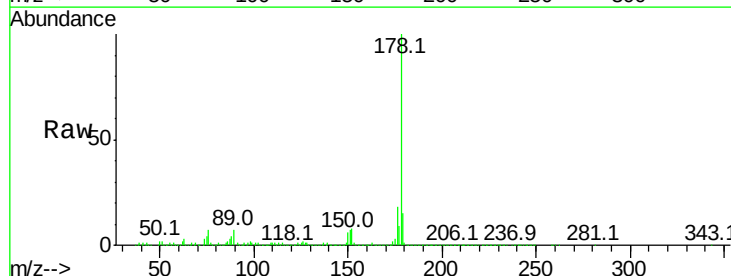
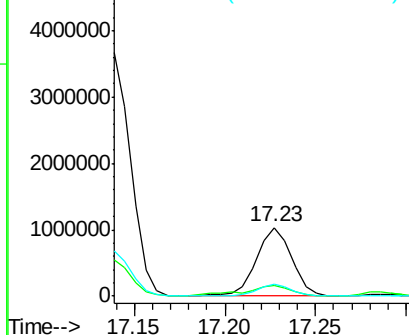
Abundance Ion 178.00 (177.70 to 178.70): E
 5000000
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

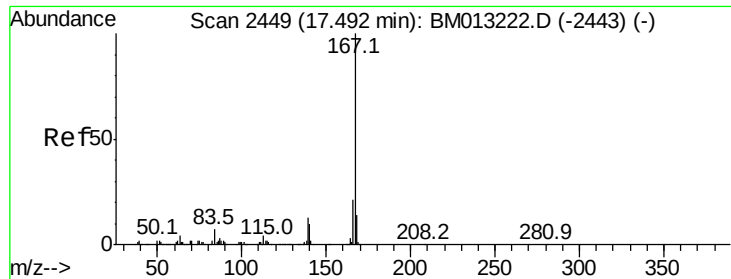


#71
 Anthracene
 Concen: 13.299 ng/ul
 RT: 17.23 min Scan# 2404
 Delta R.T. 0.01 min
 Lab File: BM013235.D
 Acq: 07 Dec 2017 06:28

Tgt Ion:178 Resp: 1378857
 Ion Ratio Lower Upper
 178 100
 179 15.5 11.7 17.5
 176 17.9 14.6 21.8

Abundance Ion 178.00 (177.70 to 178.70): E
 5000000
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 5.182 ng/ul

RT: 17.50 min Scan# 2450

Delta R.T. 0.01 min

Lab File: BM013235.D

Acq: 07 Dec 2017 06:28

Instrument :

BNA_M

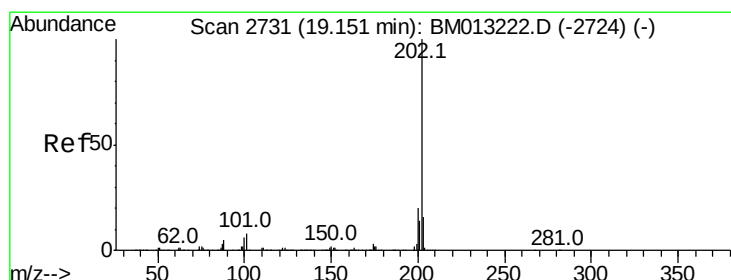
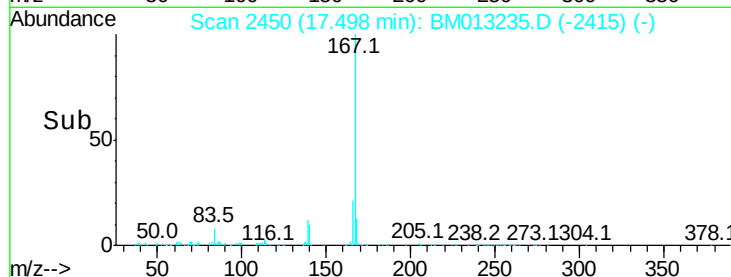
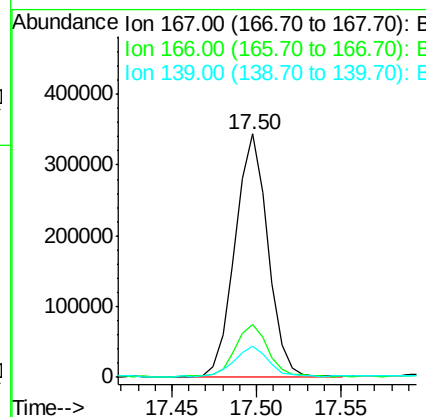
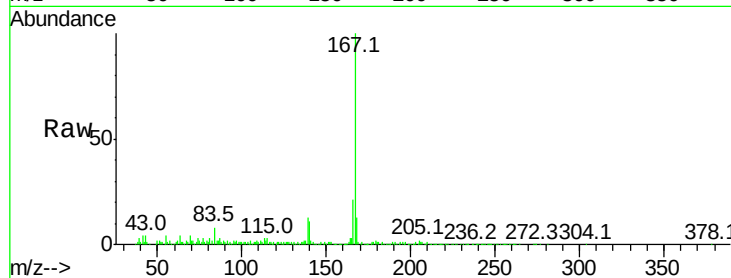
ClientSampleId :

BE163

Tot Ion:	167	Resp:	462163
Ion Ratio	Lower	Upper	
167	100		
166	21.5	17.1	25.7
139	12.6	10.0	15.0

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#74

Fluoranthene

Concen: 42.101 ng/ul

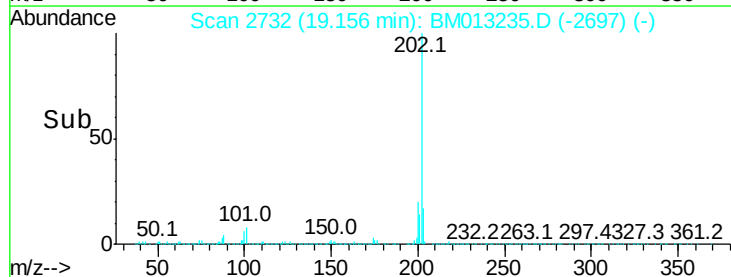
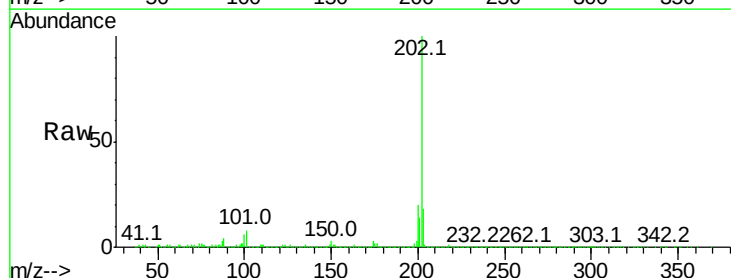
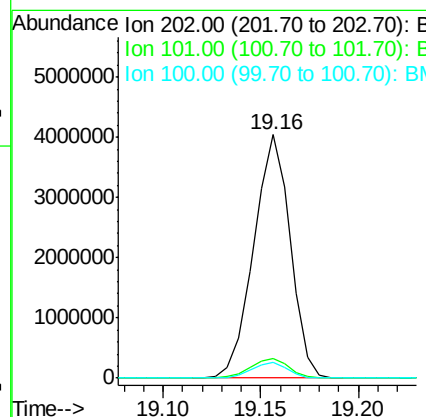
RT: 19.16 min Scan# 2732

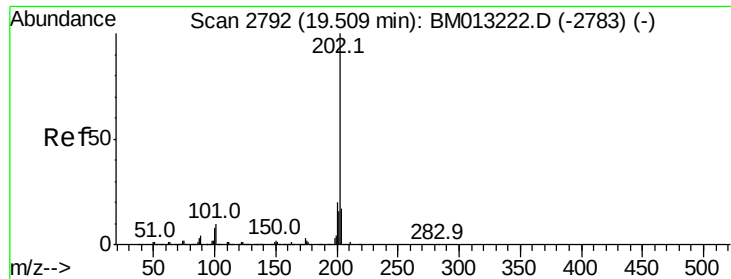
Delta R.T. 0.01 min

Lab File: BM013235.D

Acq: 07 Dec 2017 06:28

Tgt Ion:	202	Resp:	5233397
Ion Ratio	Lower	Upper	
202	100		
101	8.2	4.6	7.0#
100	6.2	3.4	5.2#





#77

Pvrene

Concen: 51.492 ng/ul

RT: 19.52 min Scan# 2794

Delta R.T. 0.01 min

Lab File: BM013235.D

Acq: 07 Dec 2017 06:28

Instrument :

BNA_M

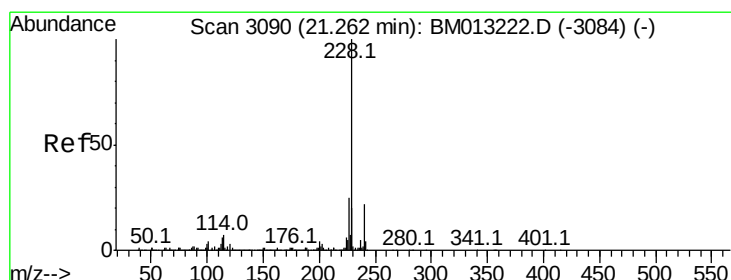
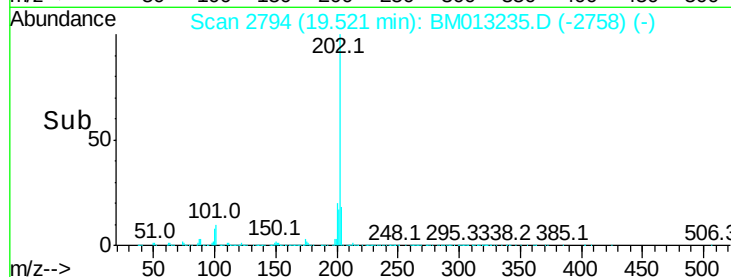
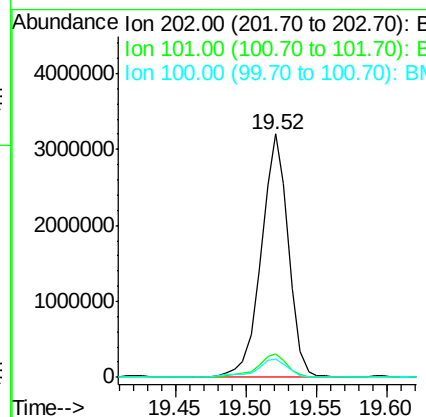
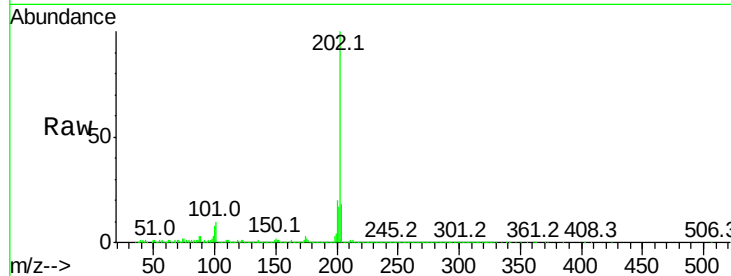
ClientSampleId :

BE163

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.7	5.1	7.7#
100	7.6	4.9	7.3#

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#80

Benzo(a)anthracene

Concen: 22.055 ng/ul

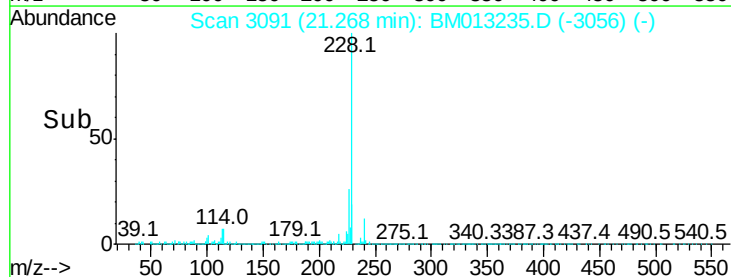
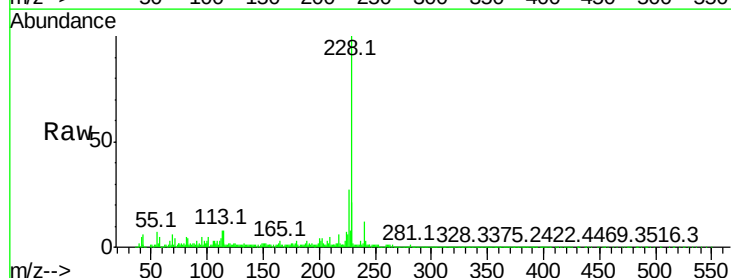
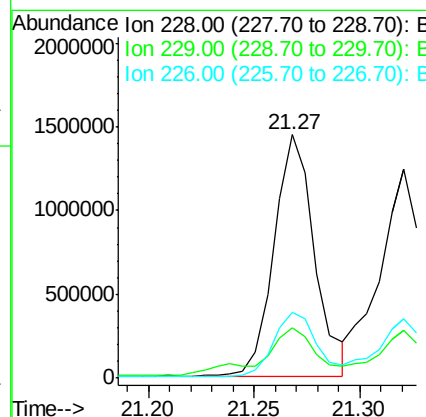
RT: 21.27 min Scan# 3091

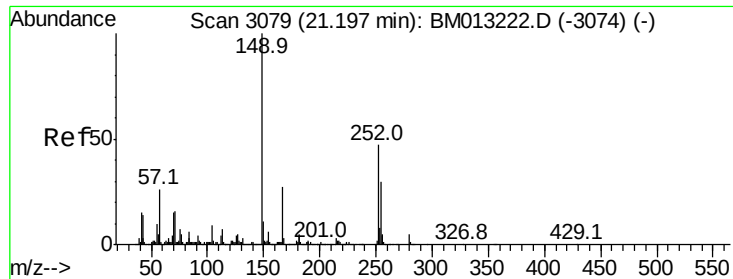
Delta R.T. 0.01 min

Lab File: BM013235.D

Acq: 07 Dec 2017 06:28

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.4	23.0
226	26.7	21.4	32.0





#81

Bis(2-ethylhexyl)phthalate

Concen: 14.196 ng/ul

RT: 21.20 min Scan# 3080

Delta R.T. 0.01 min

Lab File: BM013235.D

Acq: 07 Dec 2017 06:28

Instrument :

BNA_M

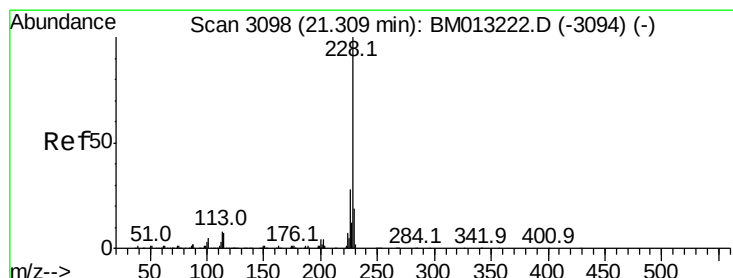
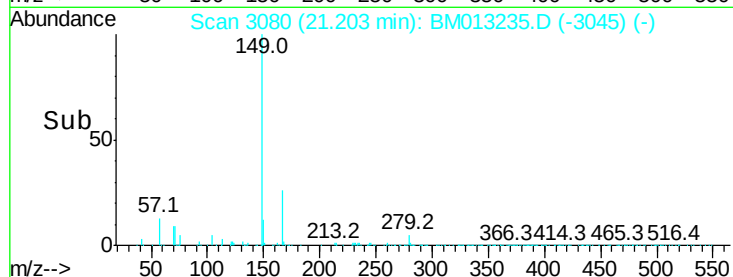
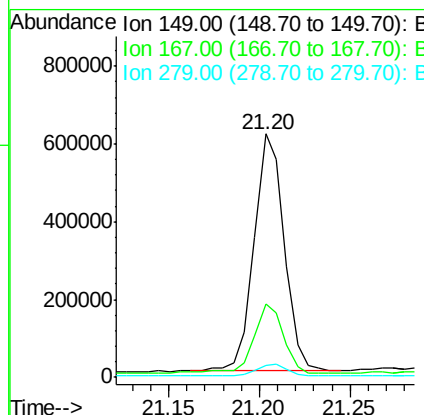
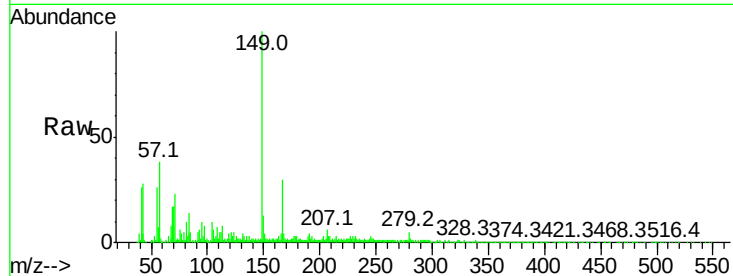
ClientSampleId :

BE163

Tot Ion:	149	Resp:	699812
Ion Ratio	Lower	Upper	
149	100		
167	29.9	22.8	34.2
279	5.1	4.9	7.3

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#82

Chrysene

Concen: 21.109 ng/ul

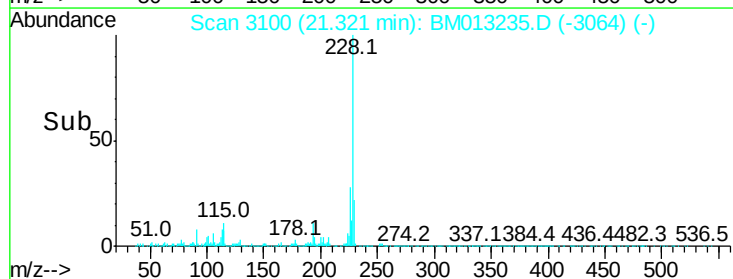
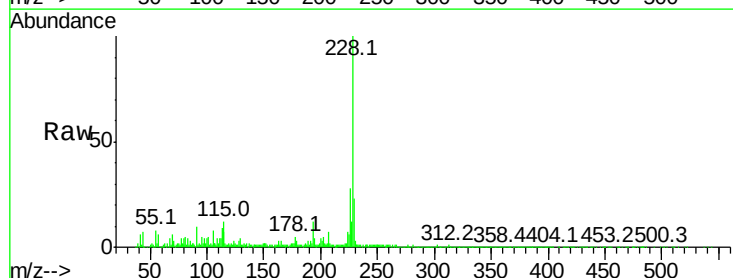
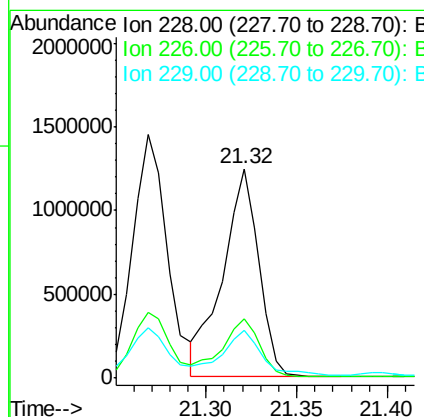
RT: 21.32 min Scan# 3100

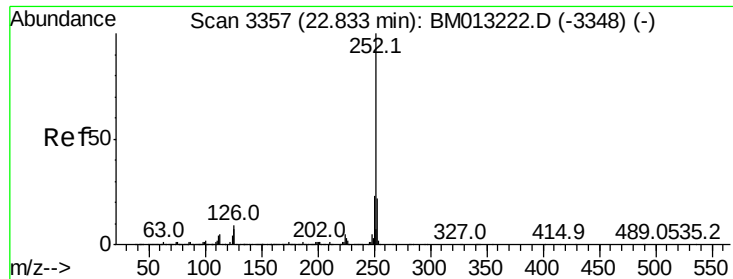
Delta R.T. 0.01 min

Lab File: BM013235.D

Acq: 07 Dec 2017 06:28

Tgt Ion:	228	Resp:	1711904
Ion Ratio	Lower	Upper	
228	100		
226	28.3	23.4	35.2
229	22.6	15.5	23.3





#85

Benzo(b)fluoranthene

Concen: 24.088 ng/ul

RT: 22.86 min Scan# 3361

Delta R.T. 0.02 min

Lab File: BM013235.D

Acq: 07 Dec 2017 06:28

Instrument :

BNA_M

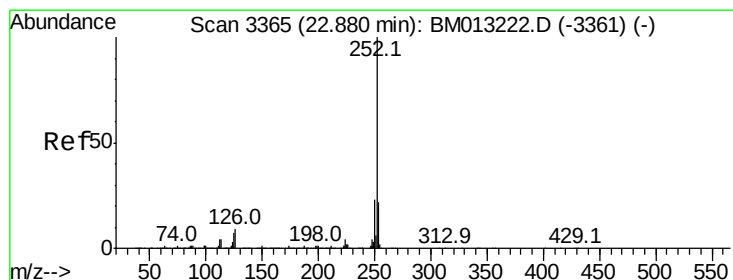
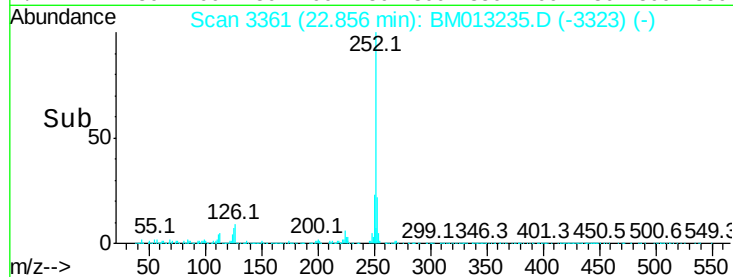
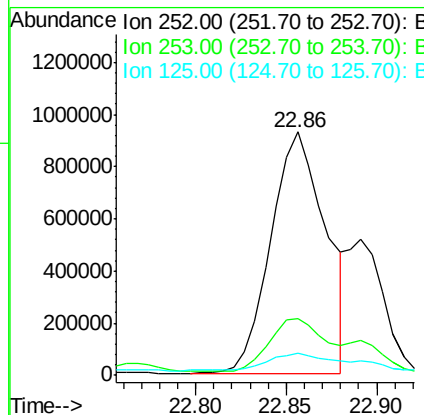
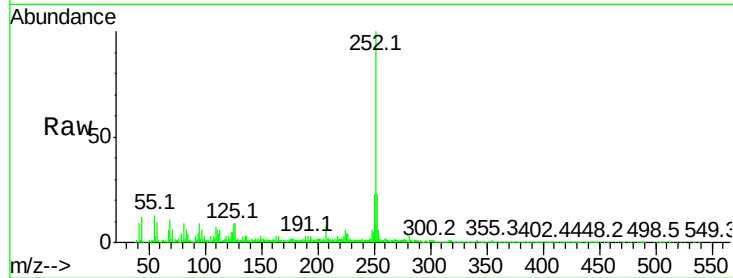
ClientSampleId :

BE163

Tot Ion:	252	Resp:	1958011
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.9	26.9
125	8.9	3.6	5.4#

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#86

Benzo(k)fluoranthene

Concen: 9.477 ng/ul m

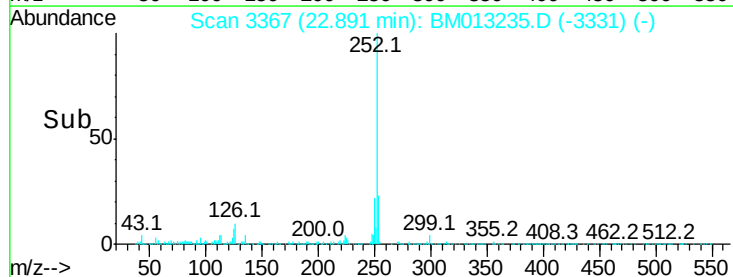
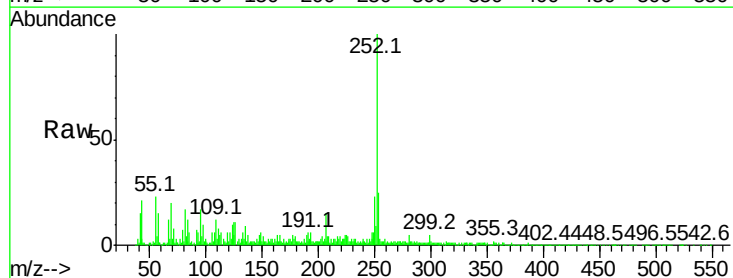
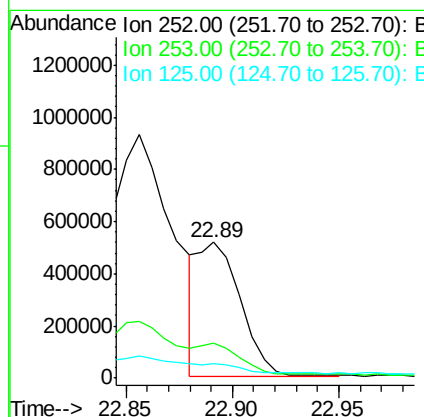
RT: 22.89 min Scan# 3367

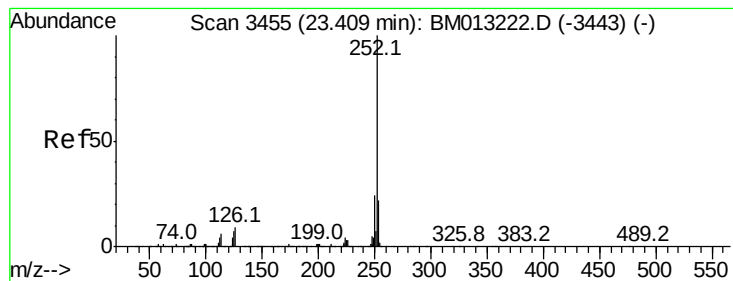
Delta R.T. 0.01 min

Lab File: BM013235.D

Acq: 07 Dec 2017 06:28

Tgt Ion:	252	Resp:	724923
Ion Ratio	Lower	Upper	
252	100		
253	25.3	17.1	25.7
125	10.9	3.4	5.2#





#88

Benzo(a)pyrene

Concen: 18.423 ng/ul

RT: 23.43 min Scan# 3458

Delta R.T. 0.02 min

Lab File: BM013235.D

Acq: 07 Dec 2017 06:28

Instrument :

BNA_M

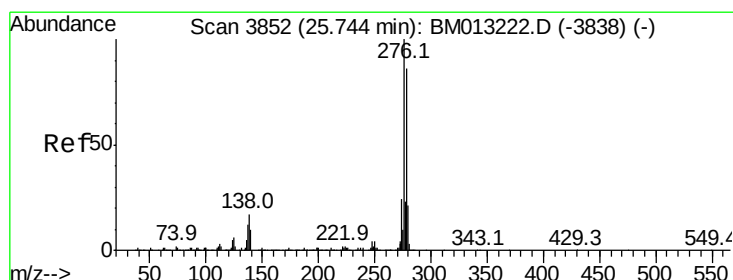
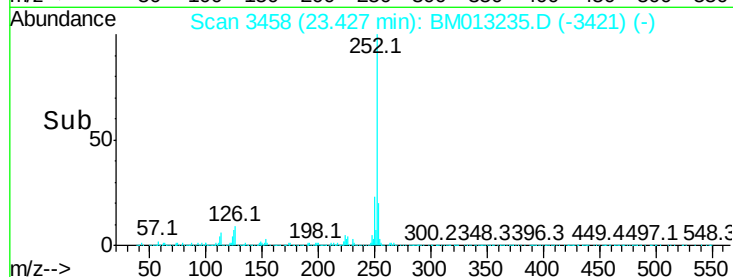
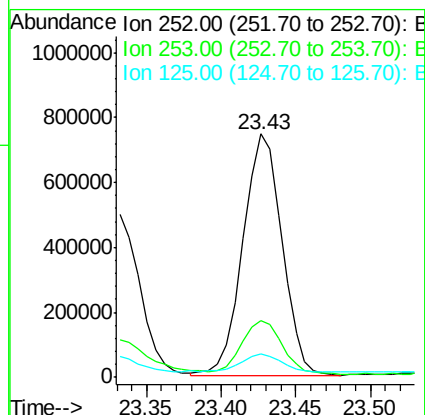
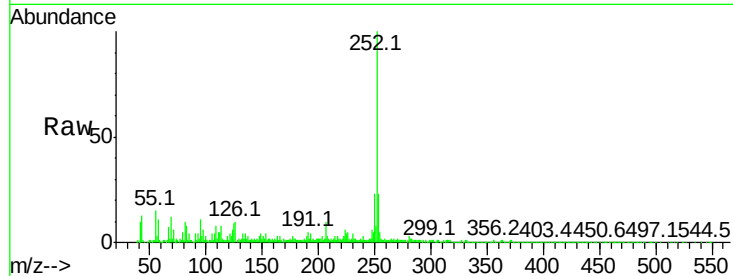
ClientSampled :

BE163

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.2
125	9.5	4.0	6.0

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#89

Indeno(1,2,3-cd)pyrene

Concen: 11.089 ng/ul

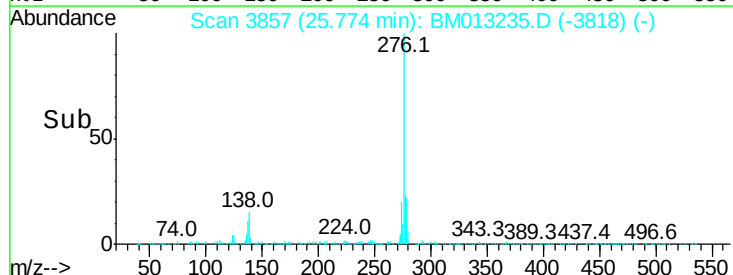
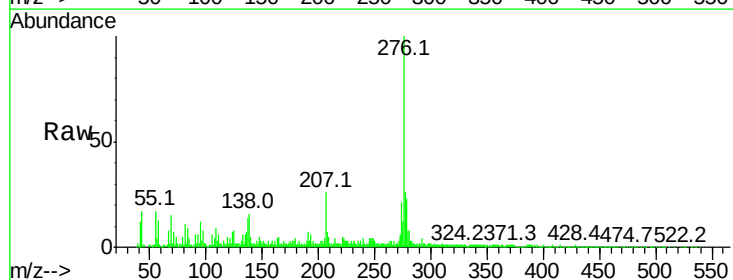
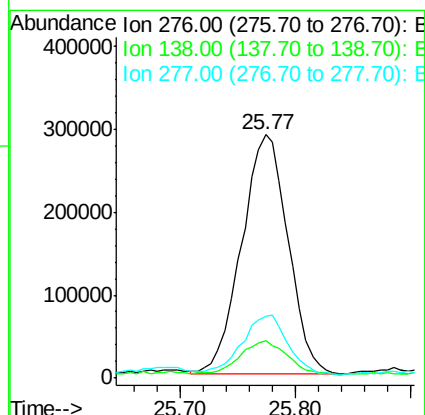
RT: 25.77 min Scan# 3857

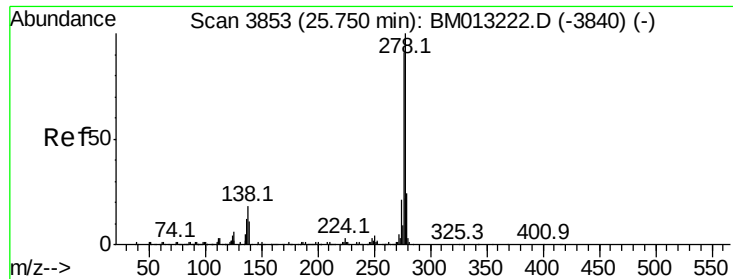
Delta R.T. 0.03 min

Lab File: BM013235.D

Acq: 07 Dec 2017 06:28

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.5	9.3	13.9
277	25.5	19.9	29.9





#90

Dibenzo(a,h)anthracene

Concen: 3.551 ng/ul

RT: 25.77 min Scan# 3856

Delta R.T. 0.02 min

Lab File: BM013235.D

Acq: 07 Dec 2017 06:28

Instrument :

BNA_M

ClientSampleId :

BE163

Tot Ion:278 Resp: 219047
Ion Ratio Lower Upper

278 100

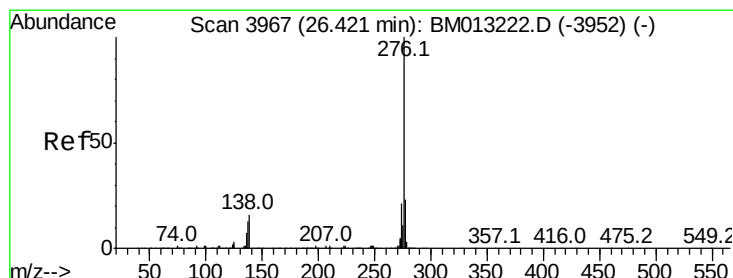
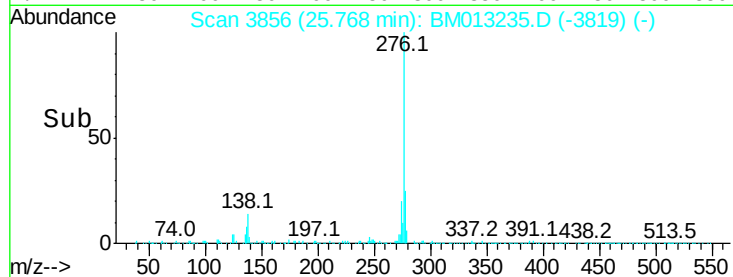
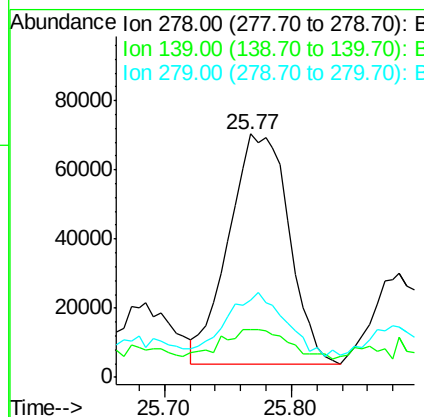
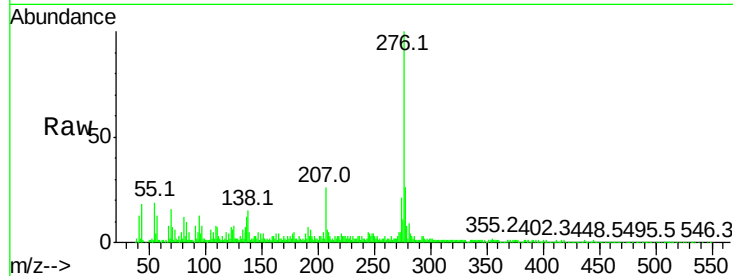
139 19.6 5.8 8.8#

279 31.9 18.6 27.8#

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#91

Benzo(g,h,i)perylene

Concen: 12.227 ng/ul

RT: 26.47 min Scan# 3975

Delta R.T. 0.05 min

Lab File: BM013235.D

Acq: 07 Dec 2017 06:28

Tgt Ion:276 Resp: 698772
Ion Ratio Lower Upper

276 100

138 15.6 8.5 12.7#

277 26.3 18.6 28.0

