

Data Path : Z:\HPCHEM1\BNA_M\Data\BM080415\
 Data File : BM002228.D
 Acq On : 05 Aug 2015 02:20
 Operator : TP/UM
 Sample : G3095-11RE
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01S2RE

Manual Integrations
 APPROVED

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 8/7/2015 4:43:19 PM

Quant Time: Aug 14 03:33:48 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 05 02:56:04 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	142456	20.00	ng/ul	0.00
18) Naphthalene-d8	10.32	136	533369	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.20	164	287451	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.96	188	598864	20.00	ng/ul	0.01
78) Chrysene-d12	21.18	240	771217	20.00	ng/ul	0.02
86) Perylene-d12	23.37	264	795704	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.97	96	3085	1.23	ng/uL	0.00
5) Phenol-d5	6.72	99	67798	6.41	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.86	67	37710	6.82	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	60322	6.67	ng/ul	0.00
13) 4-Methylphenol-d8	8.26	113	52640	5.99	ng/ul	0.00
19) Nitrobenzene-d5	8.69	128	28082	7.26	ng/ul	0.00
22) 2-Nitrophenol-d4	9.41	143	29992	6.58	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.95	165	55810	6.39	ng/ul	0.00
29) 4-Chloroaniline-d4	10.47	131	42538	4.40	ng/ul	0.01
44) Dimethylphthalate-d6	13.62	166	147187	7.04	ng/ul	0.00
47) Acenaphthylene-d8	13.89	160	185418	7.02	ng/ul	0.00
52) 4-Nitrophenol-d4	14.46	143	12547	4.63	ng/ul	0.02
58) Fluorene-d10	15.20	176	127271	6.89	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.37	200	1106	0.32	ng/ul	0.02
71) Anthracene-d10	17.06	188	186934	7.01	ng/ul	0.01
79) Pyrene-d10	19.37	212	210693	5.71	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.23	264	256768	6.64	ng/ul	0.03

Target Compounds

						Qvalue
28) Naphthalene	10.36	128	155416	6.16	ng/ul	98
34) 2-Methylnaphthalene	11.99	142	34022	1.75	ng/ul	100
45) Dimethylphthalate	13.66	163	48692	2.34	ng/ul	98
48) Acenaphthylene	13.92	152	186498	6.92	ng/ul	100
50) Acenaphthene	14.27	153	230099	13.07	ng/ul	99
54) Dibenzofuran	14.60	168	135625	5.32	ng/ul	97
59) Fluorene	15.26	166	216462	10.32	ng/ul	99
70) Phenanthrene	17.02	178	3181303	103.46	ng/ul	99
72) Anthracene	17.10	178	746634	23.76	ng/ul	99
75) Carbazole	17.37	167	301230	11.50	ng/ul	99
77) Fluoranthene	19.05	202	6263126m	186.11	ng/ul	
80) Pyrene	19.42	202	5704995	120.35	ng/ul#	94
83) Benzo(a)anthracene	21.17	228	3558632	82.37	ng/ul	97
85) Chrysene	21.22	228	3235746	81.34	ng/ul	96
88) Benzo(b)fluoranthene	22.73	252	4866217	108.54	ng/ul#	97
89) Benzo(k)fluoranthene	22.77	252	1287852m	29.66	ng/ul	
91) Benzo(a)pyrene	23.30	252	3428829	80.08	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.61	276	2294067	47.55	ng/ul	96
93) Dibenzo(a,h)anthracene	25.60	278	595514	14.48	ng/ul#	84
94) Benzo(g,h,i)perylene	26.29	276	2134840	53.13	ng/ul	98

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

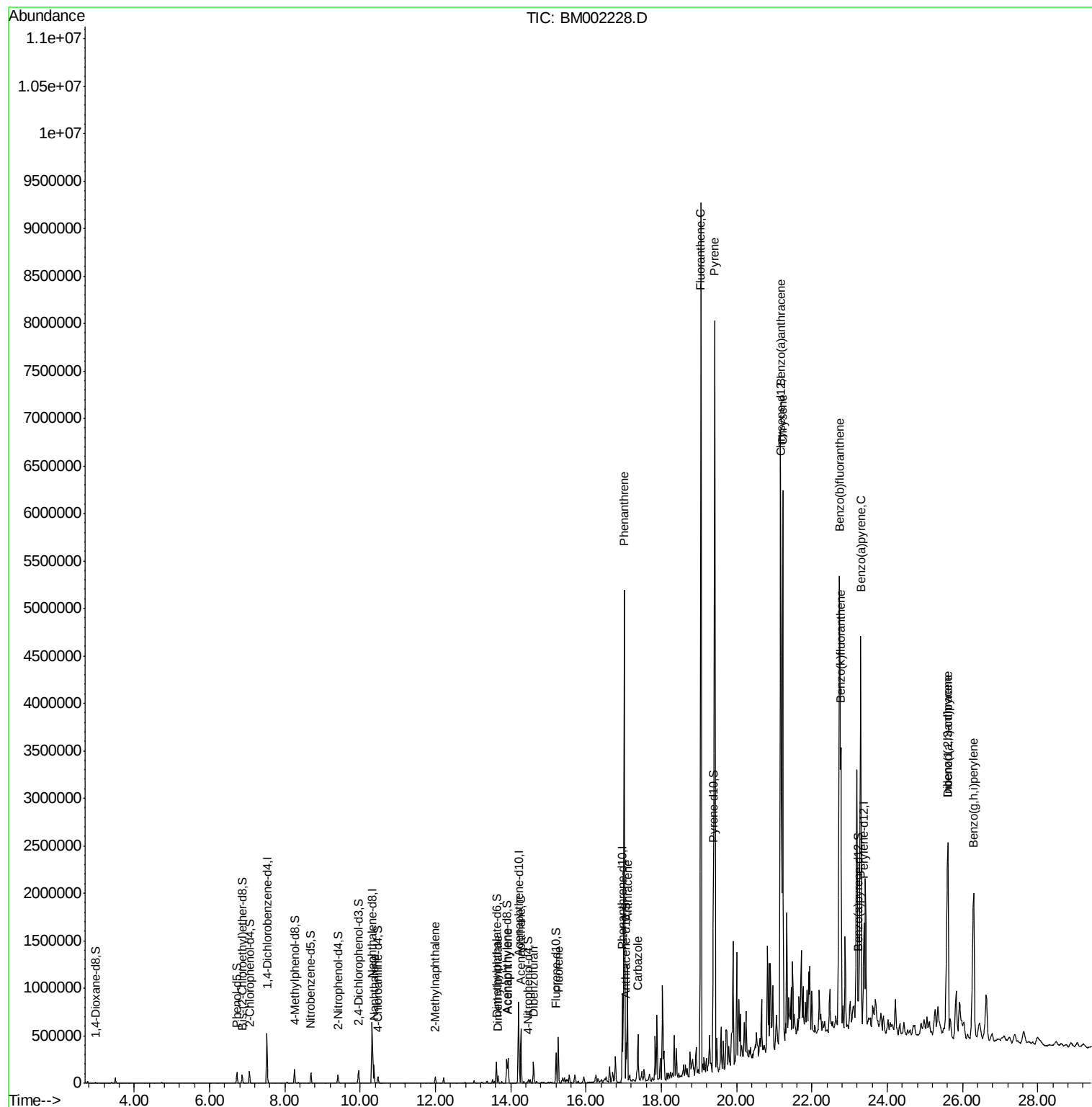
Data Path : Z:\HPCHEM1\BNA_M\Data\BM080415\
Data File : BM002228.D
Acq On : 05 Aug 2015 02:20
Operator : TP/UM
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Misc :
ALS Vial : 18 Sample Multiplier: 1

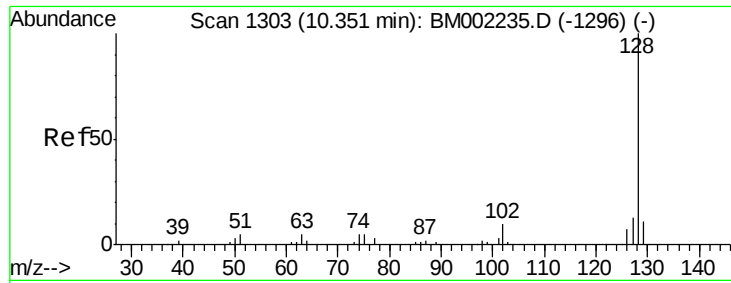
Instrument :
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ClientSampleId :
C01S2RE

Manual Integrations
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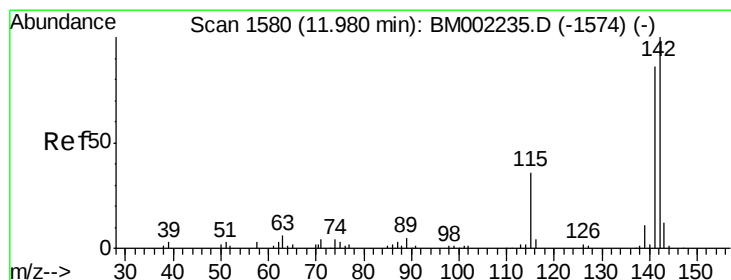
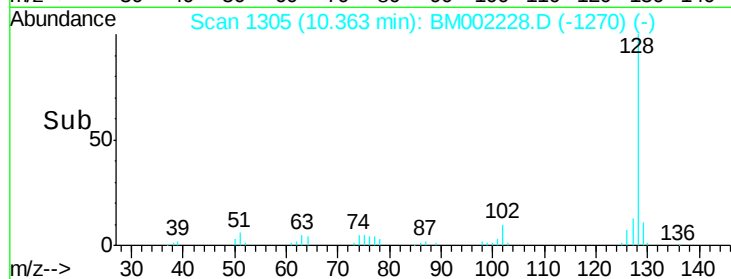
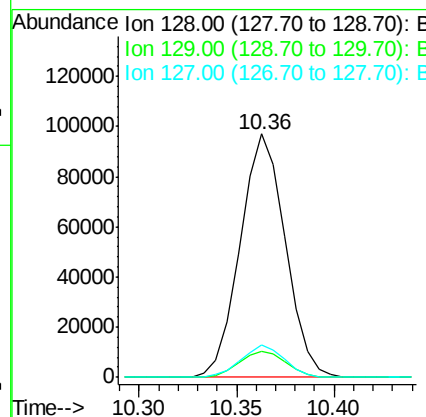
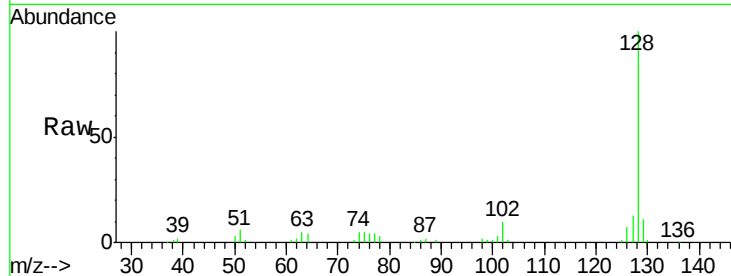
#28
Naphthalene
Concen: 6.16 ng/ul
RT: 10.36 min Scan# 1305
Delta R.T. 0.01 min
Lab File: BM002228.D
Acq: 05 Aug 2015 02:20

Instrument :
BNA_M
ClientSampleId :
C01S2RE

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	155416		
129	10.7	8.2	12.2	
127	13.5	10.1	15.1	

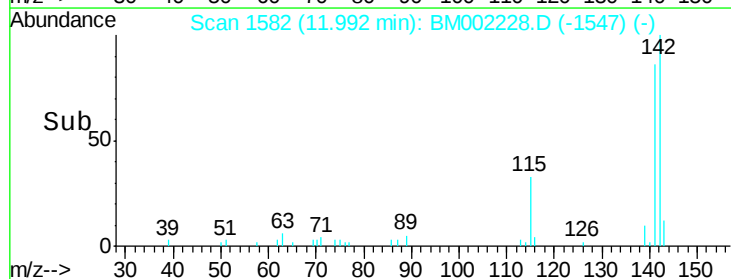
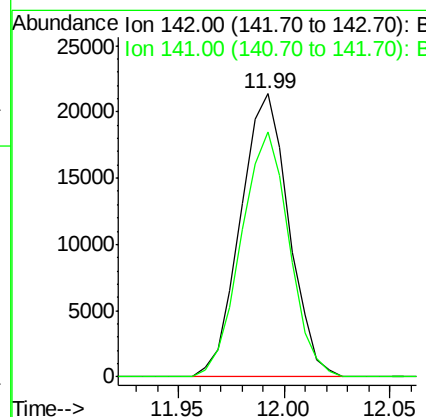
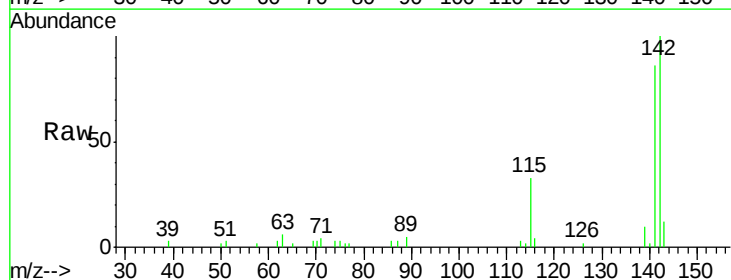
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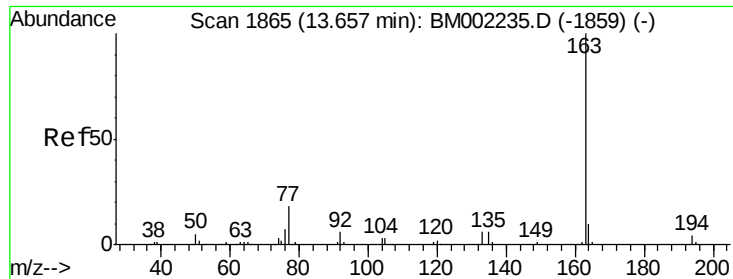
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#34
2-Methylnaphthalene
Concen: 1.75 ng/ul
RT: 11.99 min Scan# 1582
Delta R.T. 0.01 min
Lab File: BM002228.D
Acq: 05 Aug 2015 02:20

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	34022		
141	86.4	68.9	103.3	





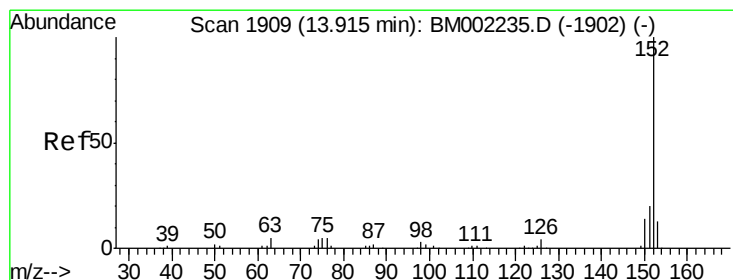
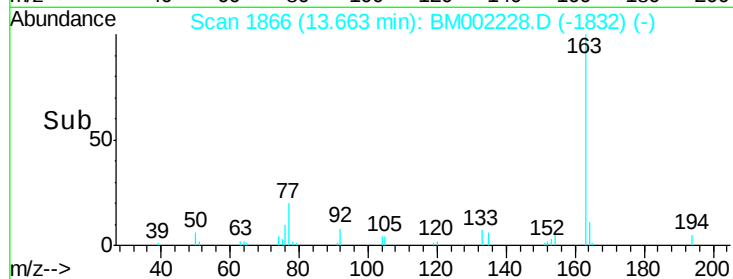
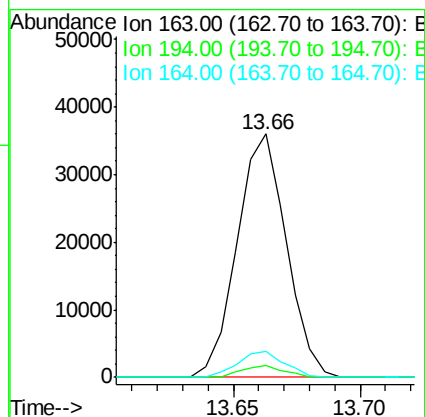
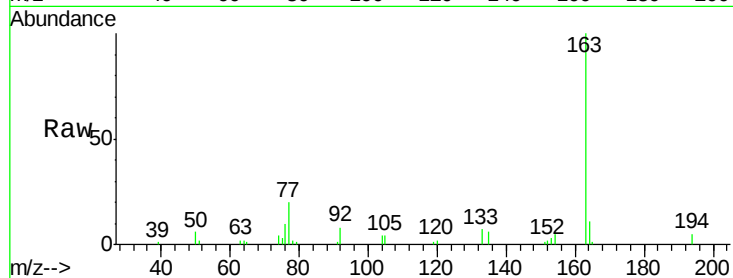
#45
Dimethylphthalate
Concen: 2.34 ng/ul
RT: 13.66 min Scan# 1866
Delta R.T. 0.00 min
Lab File: BM002228.D
Acq: 05 Aug 2015 02:20

Instrument :
BNA_M
ClientSampleId :
C01S2RE

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	48692		
194	4.7		3.4	5.2
164	10.5		7.9	11.9

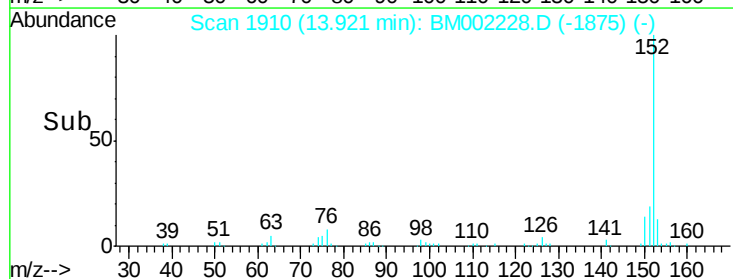
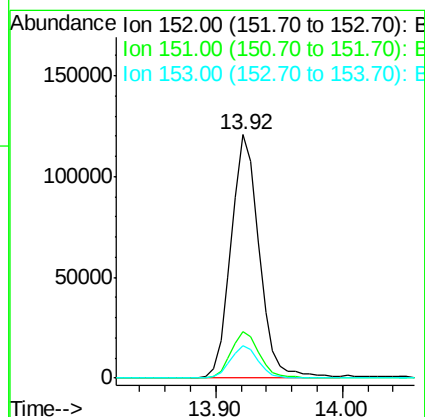
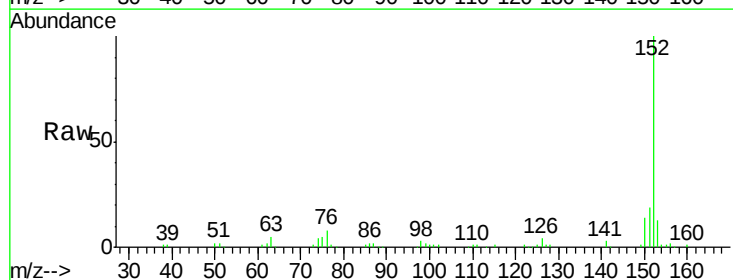
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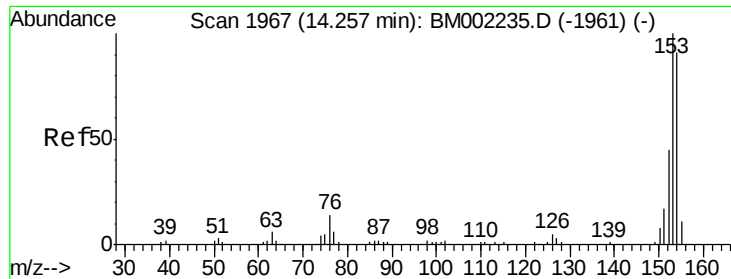
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#48
Acenaphthylene
Concen: 6.92 ng/ul
RT: 13.92 min Scan# 1910
Delta R.T. 0.01 min
Lab File: BM002228.D
Acq: 05 Aug 2015 02:20

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	186498		
151	18.9		15.2	22.8
153	13.2		10.3	15.5





#50

Acenaphthene

Concen: 13.07 ng/ul

RT: 14.27 min Scan# 1969

Delta R.T. 0.01 min

Lab File: BM002228.D

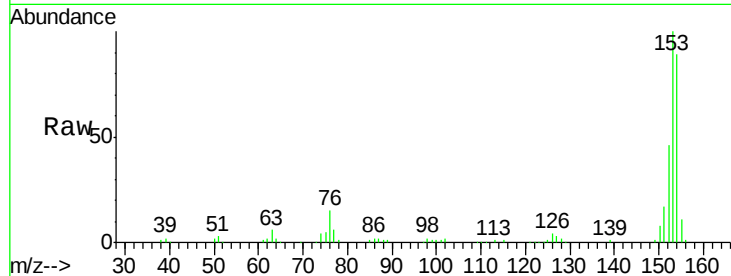
Acq: 05 Aug 2015 02:20

Instrument :

BNA_M

ClientSampleId :

C01S2RE



Tgt Ion:153 Resp: 230099

Ion Ratio Lower Upper

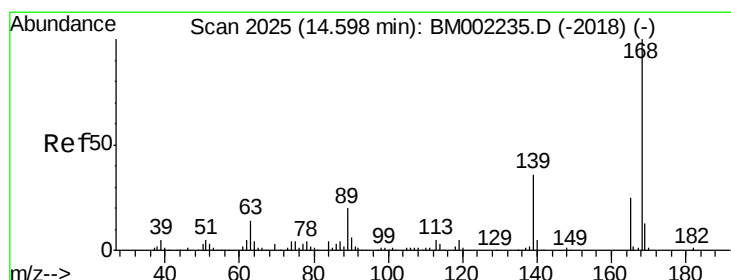
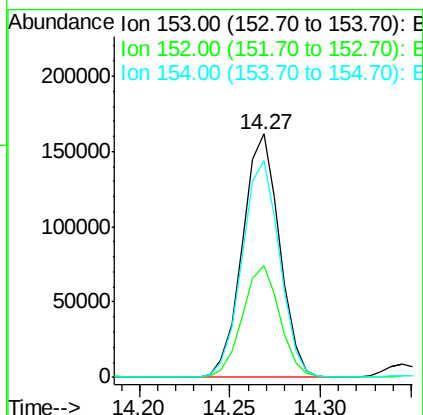
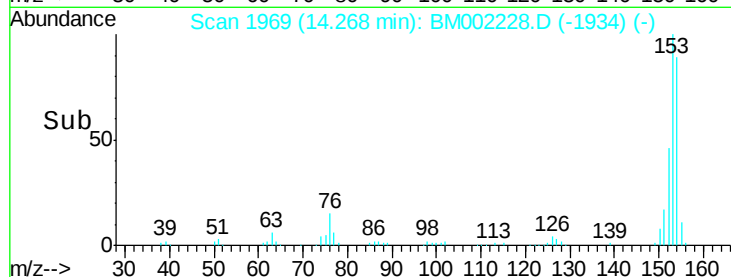
153 100

152 46.0 36.6 54.8

154 89.0 71.7 107.5

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#54

Dibenzofuran

Concen: 5.32 ng/ul

RT: 14.60 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BM002228.D

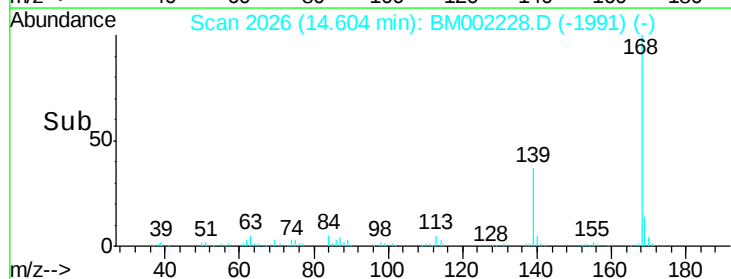
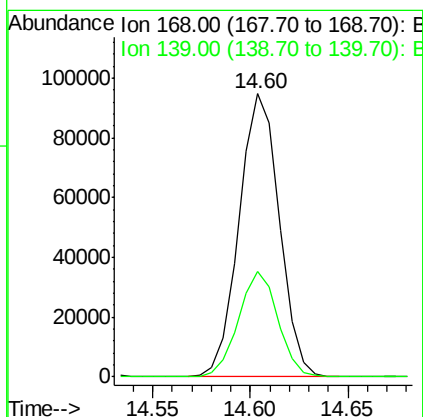
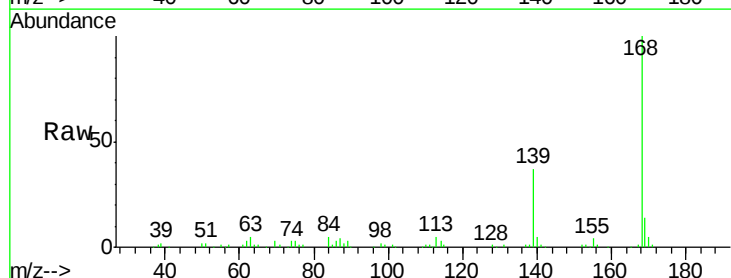
Acq: 05 Aug 2015 02:20

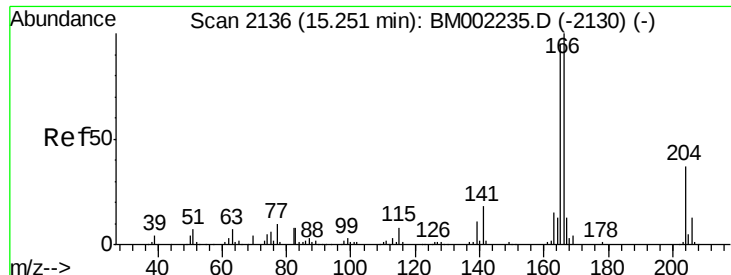
Tgt Ion:168 Resp: 135625

Ion Ratio Lower Upper

168 100

139 37.4 28.6 42.8





#59

Fluorene

Concen: 10.32 ng/ul

RT: 15.26 min Scan# 2137

Delta R.T. 0.01 min

Lab File: BM002228.D

Acq: 05 Aug 2015 02:20

Instrument :

BNA_M

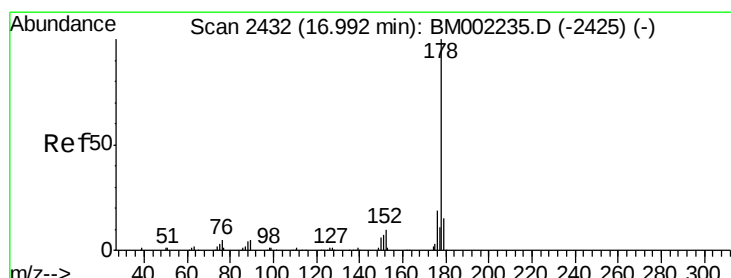
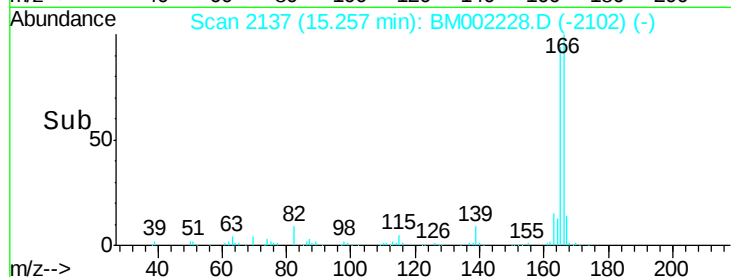
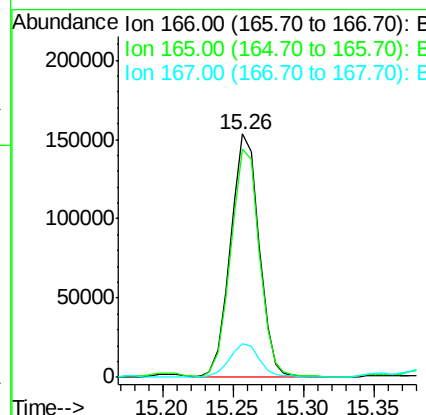
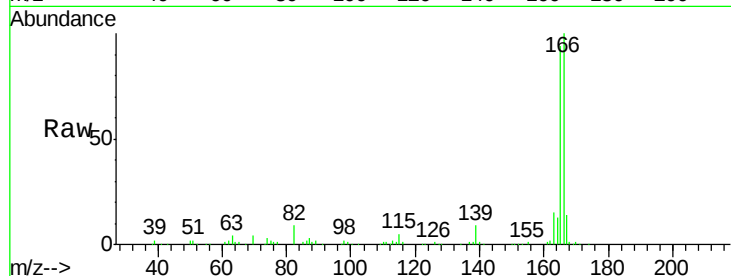
ClientSampleId :

C01S2RE

Tgt Ion:	166	Resp:	216462
Ion Ratio		Lower	Upper
166	100		
165	94.0	76.0	114.0
167	14.0	10.5	15.7

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#70

Phenanthrene

Concen: 103.46 ng/ul

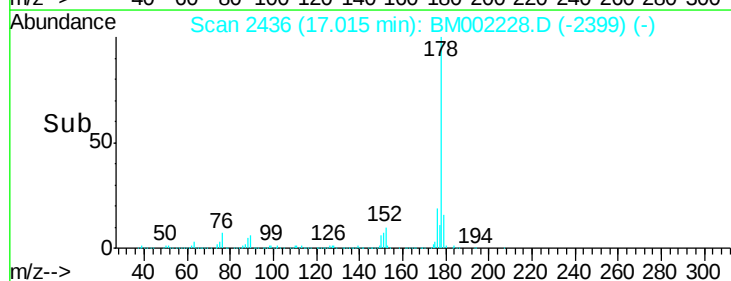
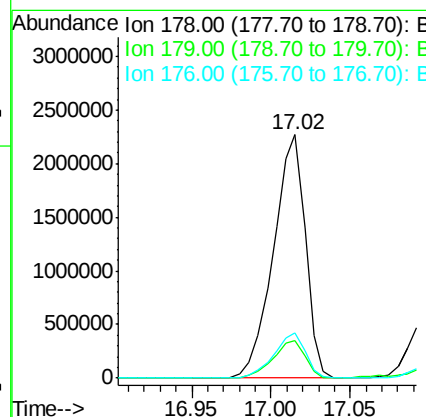
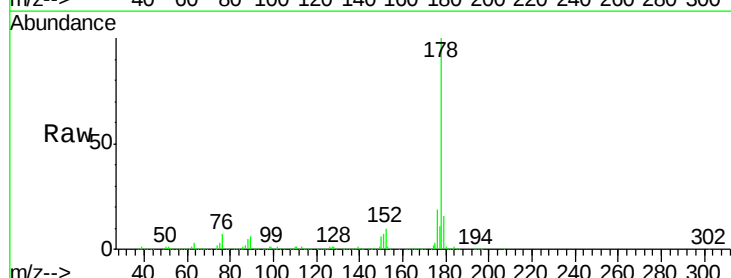
RT: 17.02 min Scan# 2436

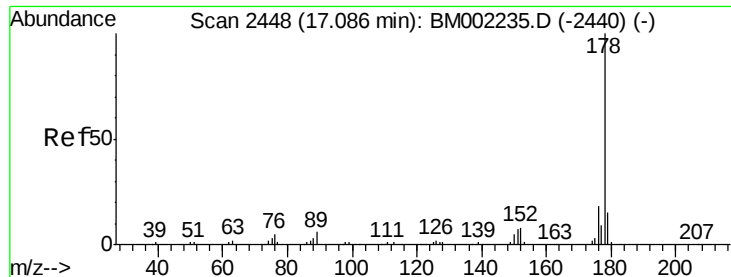
Delta R.T. 0.02 min

Lab File: BM002228.D

Acq: 05 Aug 2015 02:20

Tgt Ion:	178	Resp:	3181303
Ion Ratio		Lower	Upper
178	100		
179	15.6	12.2	18.4
176	18.5	14.6	21.8





#72

Anthracene

Concen: 23.76 ng/ul

RT: 17.10 min Scan# 2450

Delta R.T. 0.01 min

Lab File: BM002228.D

Acq: 05 Aug 2015 02:20

Instrument :

BNA_M

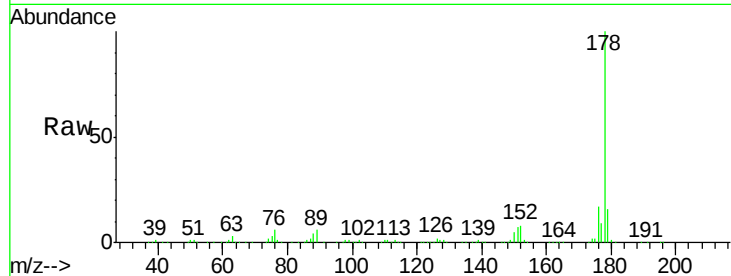
ClientSampleId :

C01S2RE

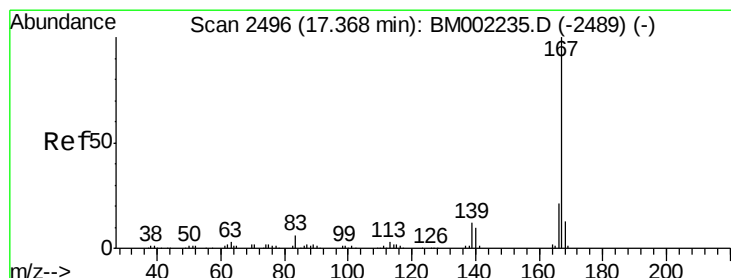
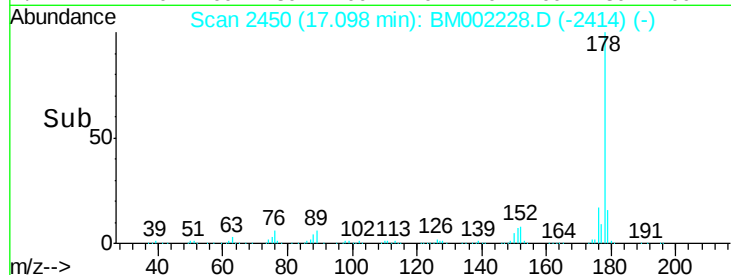
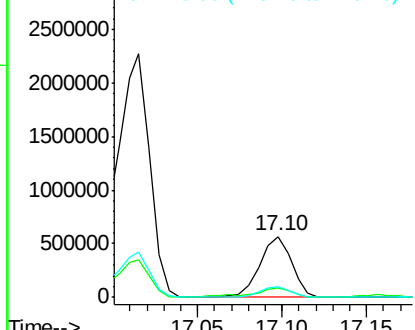
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Tgt Ion:	178	Resp:	746634
Ion Ratio	Lower	Upper	
178	100		
179	15.6	12.2	18.2
176	17.4	13.8	20.6



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



#75

Carbazole

Concen: 11.50 ng/ul

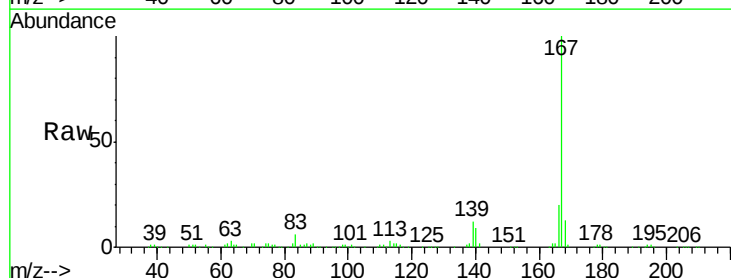
RT: 17.37 min Scan# 2497

Delta R.T. 0.01 min

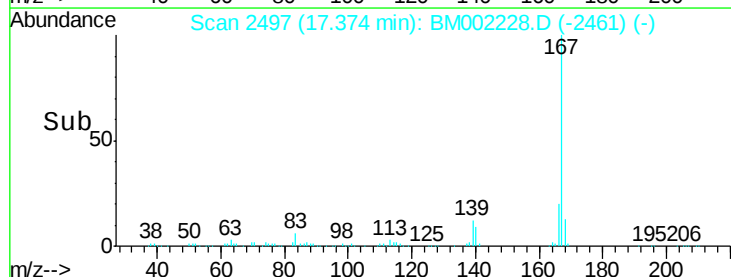
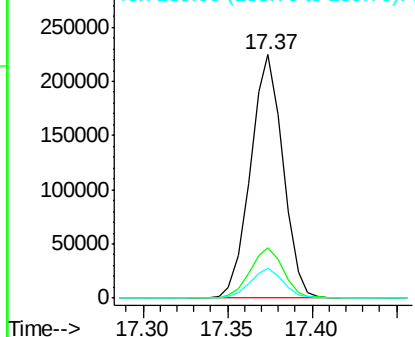
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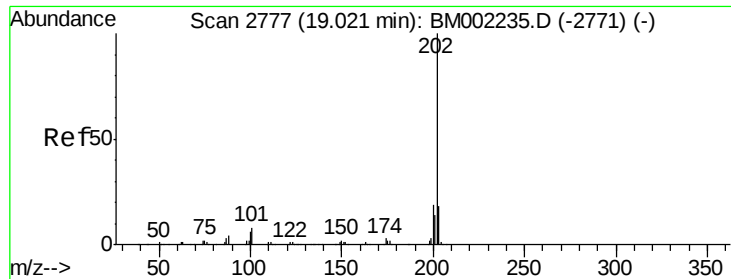
Acq: 05 Aug 2015 02:20

Tgt Ion:	167	Resp:	301230
Ion Ratio	Lower	Upper	
167	100		
166	20.4	16.7	25.1
139	12.2	9.4	14.2



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





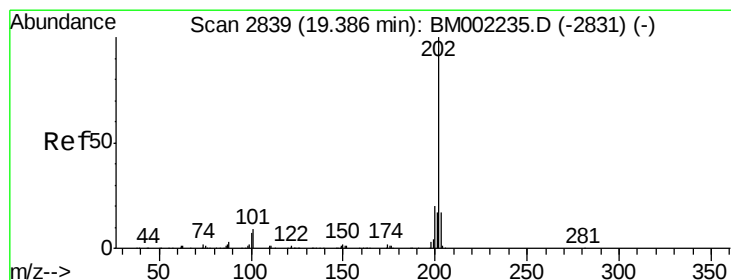
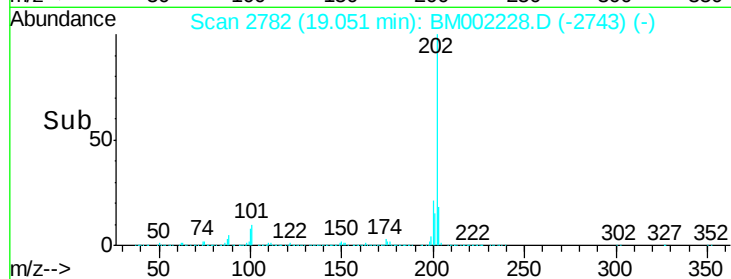
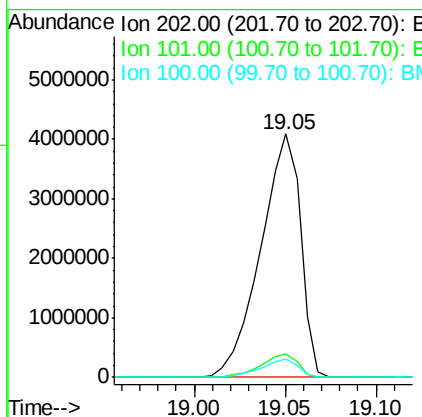
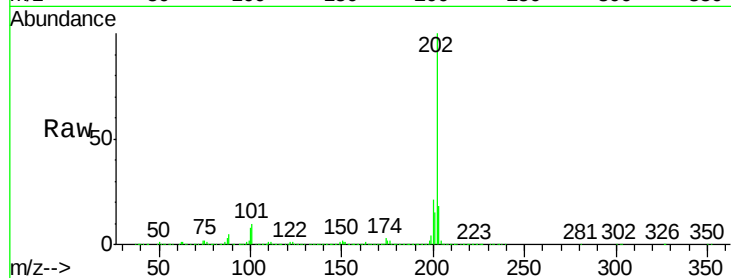
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 Fluoranthene
 Concen: 186.11 ng/ul m
 RT: 19.05 min Scan# 2782
 Delta R.T. 0.03 min
 Lab File: BM002228.D
 Acq: 05 Aug 2015 02:20

Instrument :
 BNA_M
 ClientSampleId :
 C01S2RE

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.8	6.2	9.2#
100	7.6	4.8	7.2#

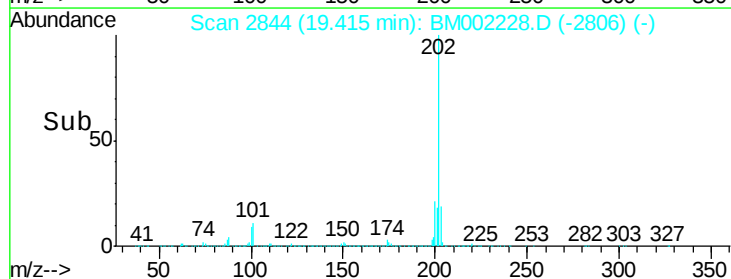
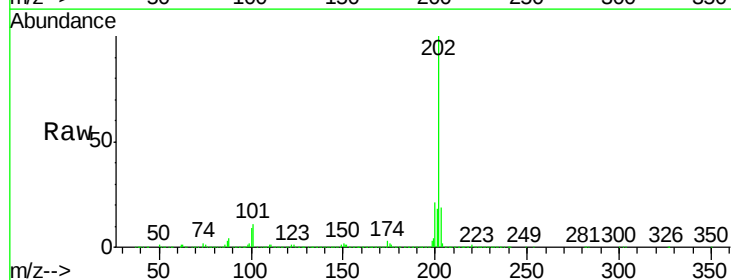
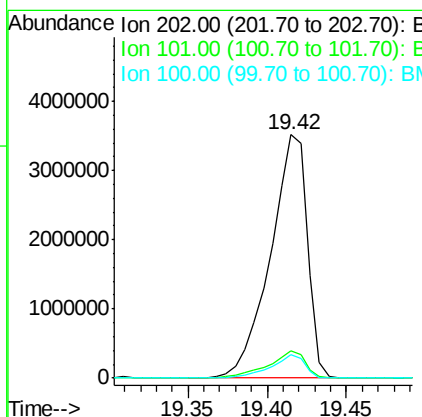
Manual Integrations
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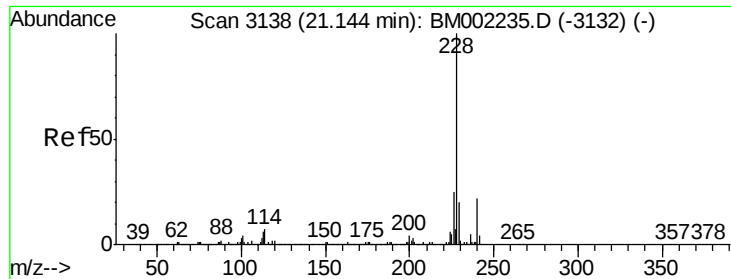
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#80
 Pyrene
 Concen: 120.35 ng/ul
 RT: 19.42 min Scan# 2844
 Delta R.T. 0.02 min
 Lab File: BM002228.D
 Acq: 05 Aug 2015 02:20

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.2	7.0	10.6#
100	9.4	5.8	8.8#





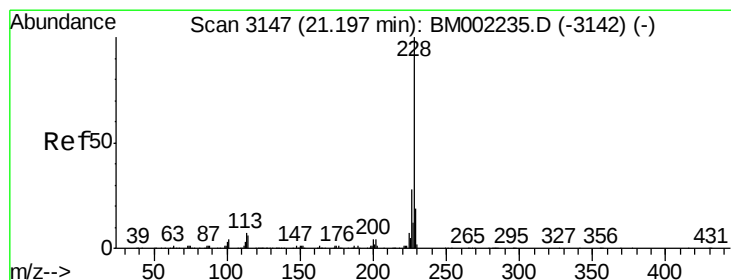
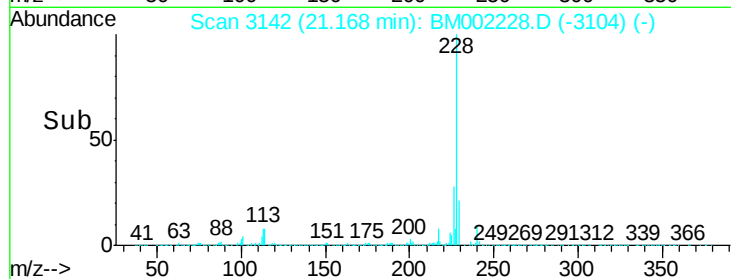
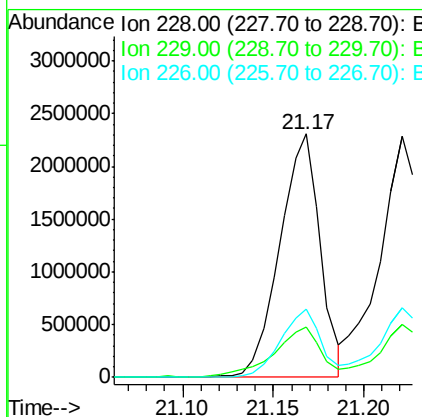
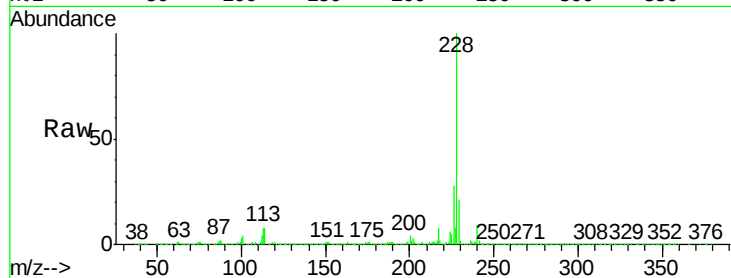
#83
Benzo(a)anthracene
Concen: 82.37 ng/ul
RT: 21.17 min Scan# 3142
Delta R.T. 0.02 min
Lab File: BM002228.D
Acq: 05 Aug 2015 02:20

Instrument :
BNA_M
ClientSampleId :
C01S2RE

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.9	15.9	23.9
226	28.0	20.6	31.0

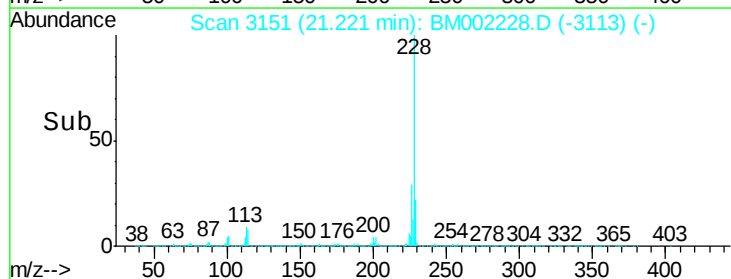
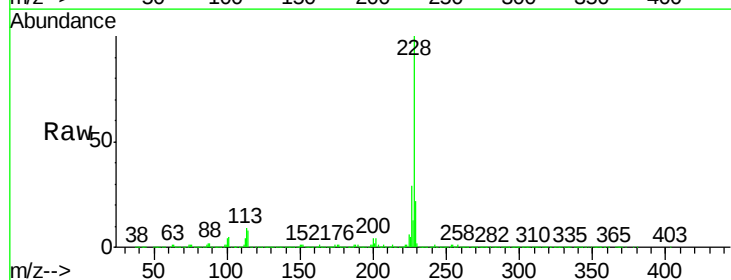
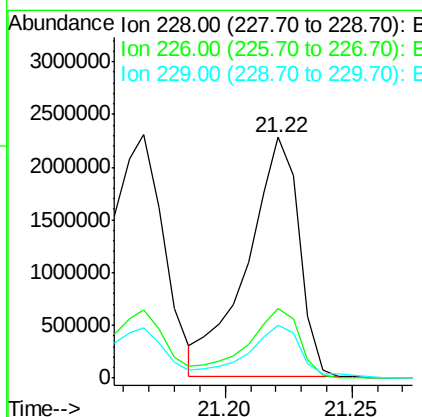
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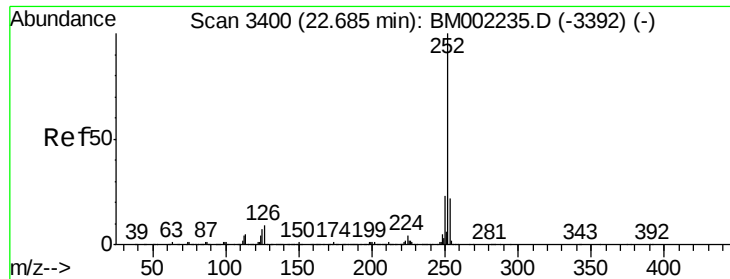
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#85
Chrysene
Concen: 81.34 ng/ul
RT: 21.22 min Scan# 3151
Delta R.T. 0.02 min
Lab File: BM002228.D
Acq: 05 Aug 2015 02:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.2	33.4
229	22.2	15.5	23.3





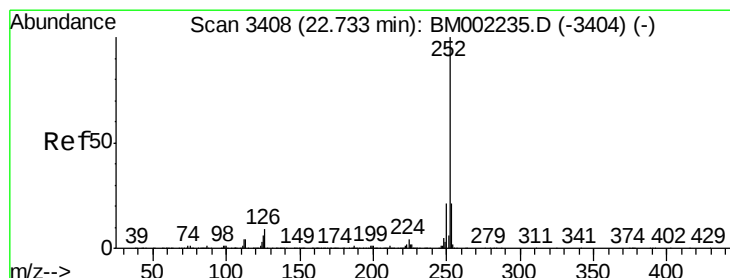
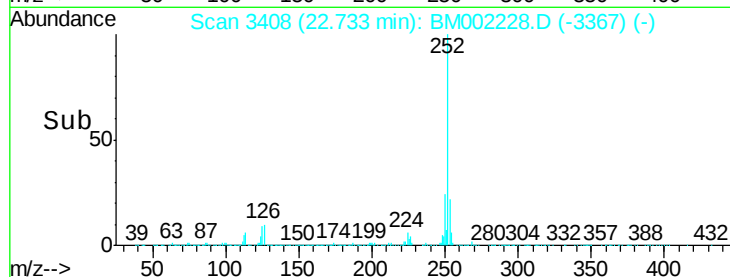
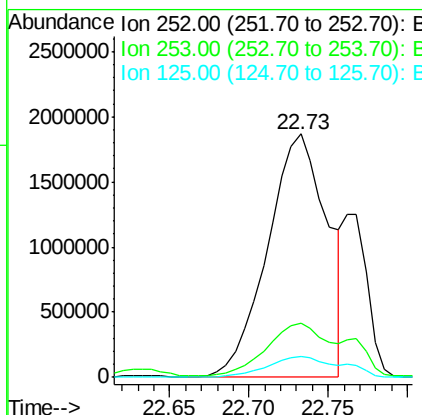
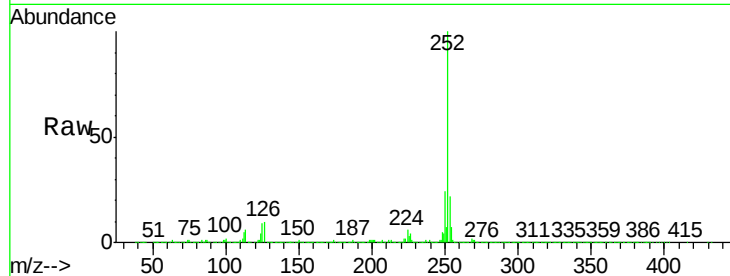
#88
Benzo(b)fluoranthene
Concen: 108.54 ng/ul
RT: 22.73 min Scan# 3408
Delta R.T. 0.04 min
Lab File: BM002228.D
Acq: 05 Aug 2015 02:20

Instrument :
BNA_M
ClientSampleId :
C01S2RE

Tgt Ion:252 Resp: 4866217
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.0
125 8.8 5.4 8.2#

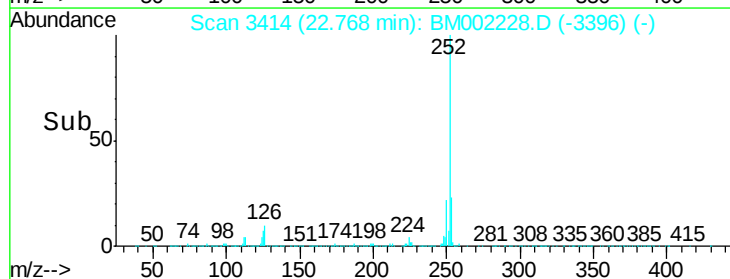
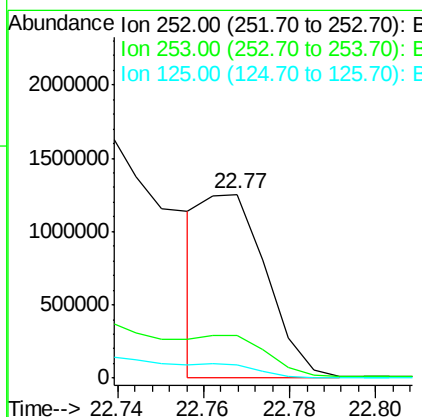
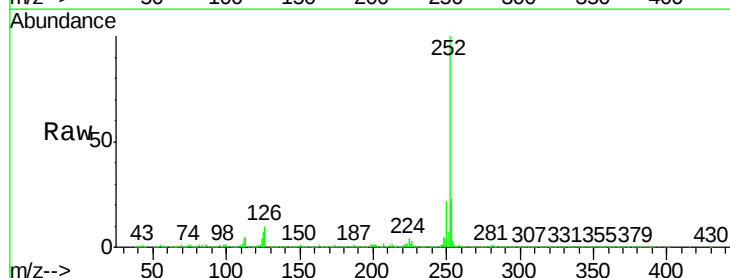
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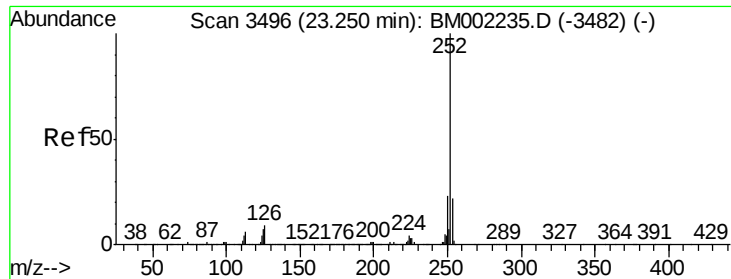
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#89
Benzo(k)fluoranthene
Concen: 29.66 ng/ul m
RT: 22.77 min Scan# 3414
Delta R.T. 0.04 min
Lab File: BM002228.D
Acq: 05 Aug 2015 02:20

Tgt Ion:252 Resp: 1287852
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.2
125 7.4 5.6 8.4





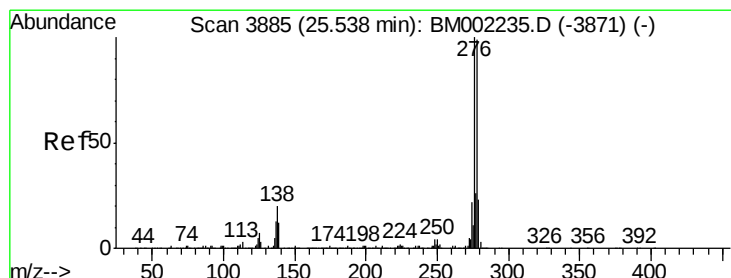
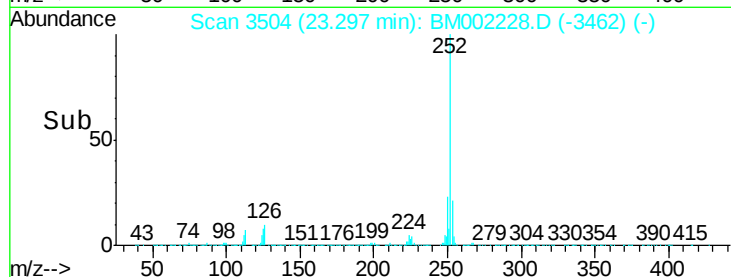
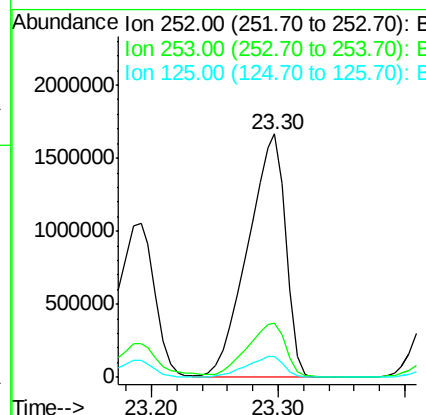
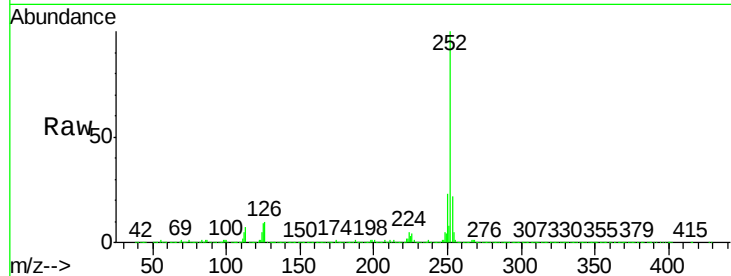
#91
Benzo(a)pyrene
Concen: 80.08 ng/u1
RT: 23.30 min Scan# 3504
Delta R.T. 0.05 min
Lab File: BM002228.D
Acq: 05 Aug 2015 02:20

Instrument :
BNA_M
ClientSampleId :
C01S2RE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.0
125	8.5	6.1	9.1

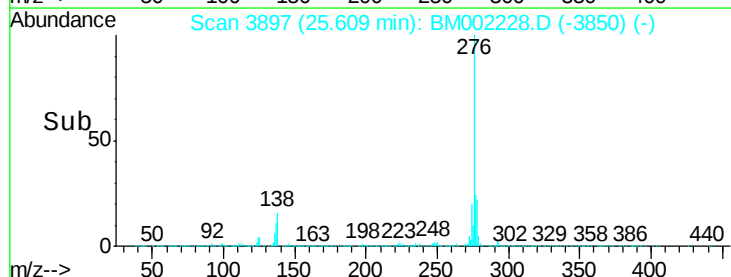
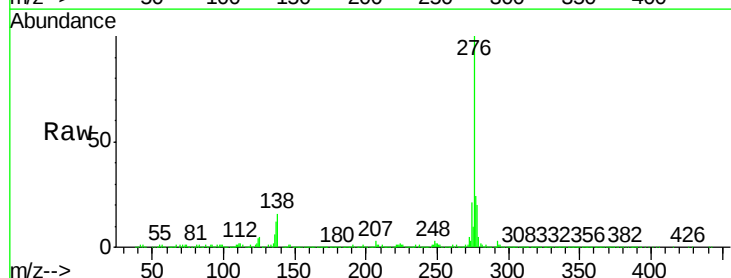
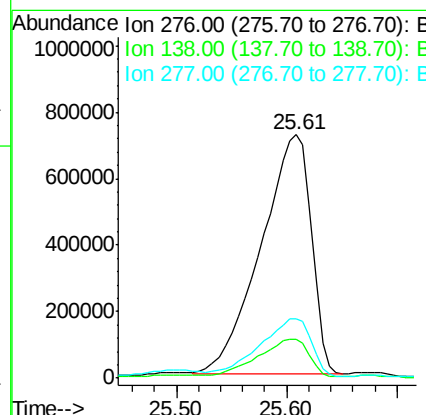
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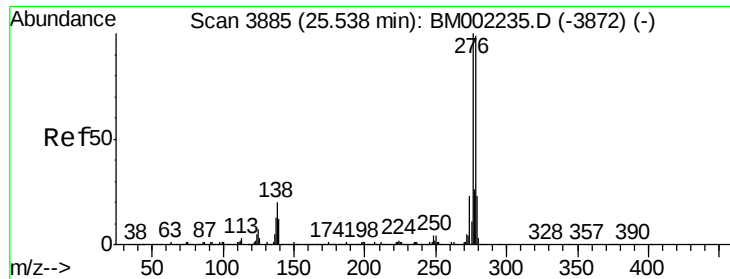
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#92
Indeno(1,2,3-cd)pyrene
Concen: 47.55 ng/u1
RT: 25.61 min Scan# 3897
Delta R.T. 0.08 min
Lab File: BM002228.D
Acq: 05 Aug 2015 02:20

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.1	15.4	23.0
277	24.2	20.2	30.2





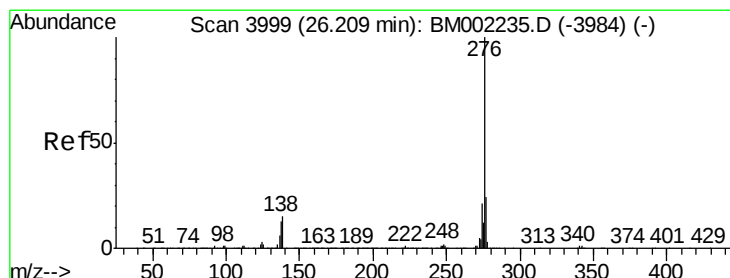
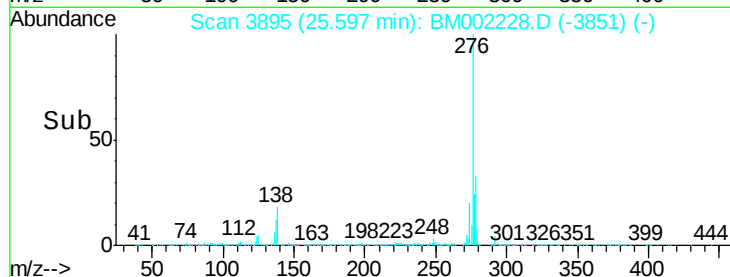
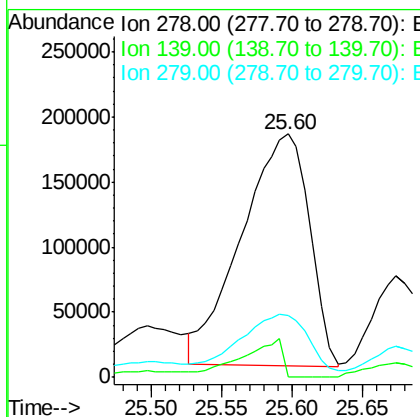
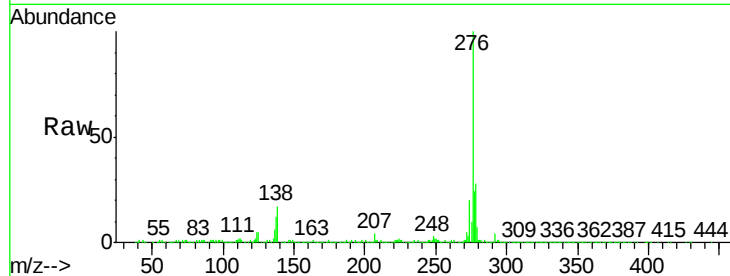
#93
 Dibenzo(a,h)anthracene
 Concen: 14.48 ng/ul
 RT: 25.60 min Scan# 3895
 Delta R.T. 0.06 min
 Lab File: BM002228.D
 Acq: 05 Aug 2015 02:20

Instrument :
 BNA_M
 ClientSampleId :
 C01S2RE

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	10.4	15.6#
279	25.2	17.9	26.9

Manual Integrations
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#94
 Benzo(g,h,i)perylene
 Concen: 53.13 ng/ul
 RT: 26.29 min Scan# 4013
 Delta R.T. 0.09 min
 Lab File: BM002228.D
 Acq: 05 Aug 2015 02:20

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.4	12.5	18.7
277	25.5	19.4	29.0

