

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
 Data File : BM002181.D
 Acq On : 02 Aug 2015 22:29
 Operator : TP
 Sample : G3095-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01Q6

Manual Integrations
 APPROVED

MMDadoda
 8/3/2015 4:44:44 PM

Quant Time: Aug 03 03:24:04 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 03 02:05:53 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	94525	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	413603	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.23	164	253758	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.98	188	579969	20.00	ng/ul	0.00
78) Chrysene-d12	21.19	240	610705	20.00	ng/ul	0.00
86) Perylene-d12	23.39	264	515705	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.01	96	3331	1.82	ng/uL	0.00
5) Phenol-d5	6.75	99	91117	13.48	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.90	67	47258	12.65	ng/ul	0.00
9) 2-Chlorophenol-d4	7.09	132	78779	13.75	ng/ul	0.00
13) 4-Methylphenol-d8	8.28	113	75625	14.08	ng/ul	0.00
19) Nitrobenzene-d5	8.72	128	37913	12.90	ng/ul	0.00
22) 2-Nitrophenol-d4	9.44	143	43946	13.45	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	85460	13.58	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	61778	8.93	ng/ul	0.00
44) Dimethylphthalate-d6	13.64	166	246863	13.28	ng/ul	0.00
47) Acenaphthylene-d8	13.92	160	309104	13.30	ng/ul	0.00
52) 4-Nitrophenol-d4	14.46	143	32022	10.32	ng/ul	0.00
58) Fluorene-d10	15.23	176	227466	13.91	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.37	200	9188	2.59	ng/ul	0.00
71) Anthracene-d10	17.08	188	344661	13.31	ng/ul	0.00
79) Pyrene-d10	19.39	212	381236	14.83	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.25	264	319807	12.79	ng/ul	0.02

Target Compounds

						Qvalue
28) Naphthalene	10.39	128	22944	1.17	ng/ul	96
34) 2-Methylnaphthalene	12.02	142	17376	1.22	ng/ul	93
45) Dimethylphthalate	13.69	163	101147	5.45	ng/ul	99
48) Acenaphthylene	13.95	152	45213	1.89	ng/ul#	91
50) Acenaphthene	14.29	153	48528	3.09	ng/ul	97
54) Dibenzofuran	14.63	168	29622	1.31	ng/ul	96
59) Fluorene	15.28	166	48982	2.63	ng/ul	98
70) Phenanthrene	17.03	178	959401	31.94	ng/ul	100
72) Anthracene	17.12	178	233214	7.59	ng/ul	99
75) Carbazole	17.39	167	62652	2.39	ng/ul	96
77) Fluoranthene	19.06	202	2265121	65.30	ng/ul	99
80) Pyrene	19.42	202	2211678	66.55	ng/ul	99
83) Benzo(a)anthracene	21.17	228	1199267	35.42	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.10	149	117421	6.04	ng/ul	99
85) Chrysene	21.23	228	1088801	34.38	ng/ul	97
88) Benzo(b)fluoranthene	22.73	252	1295784	44.72	ng/ul#	96
89) Benzo(k)fluoranthene	22.77	252	390223m	13.96	ng/ul	
91) Benzo(a)pyrene	23.30	252	887167	31.72	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.59	276	549191	17.04	ng/ul	97
93) Dibenzo(a,h)anthracene	25.59	278	147635	5.35	ng/ul#	89
94) Benzo(g,h,i)perylene	26.27	276	504953	18.69	ng/ul	97

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Manual Integrations
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Quant Time: Aug 03 03:24:04 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 03 02:05:53 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

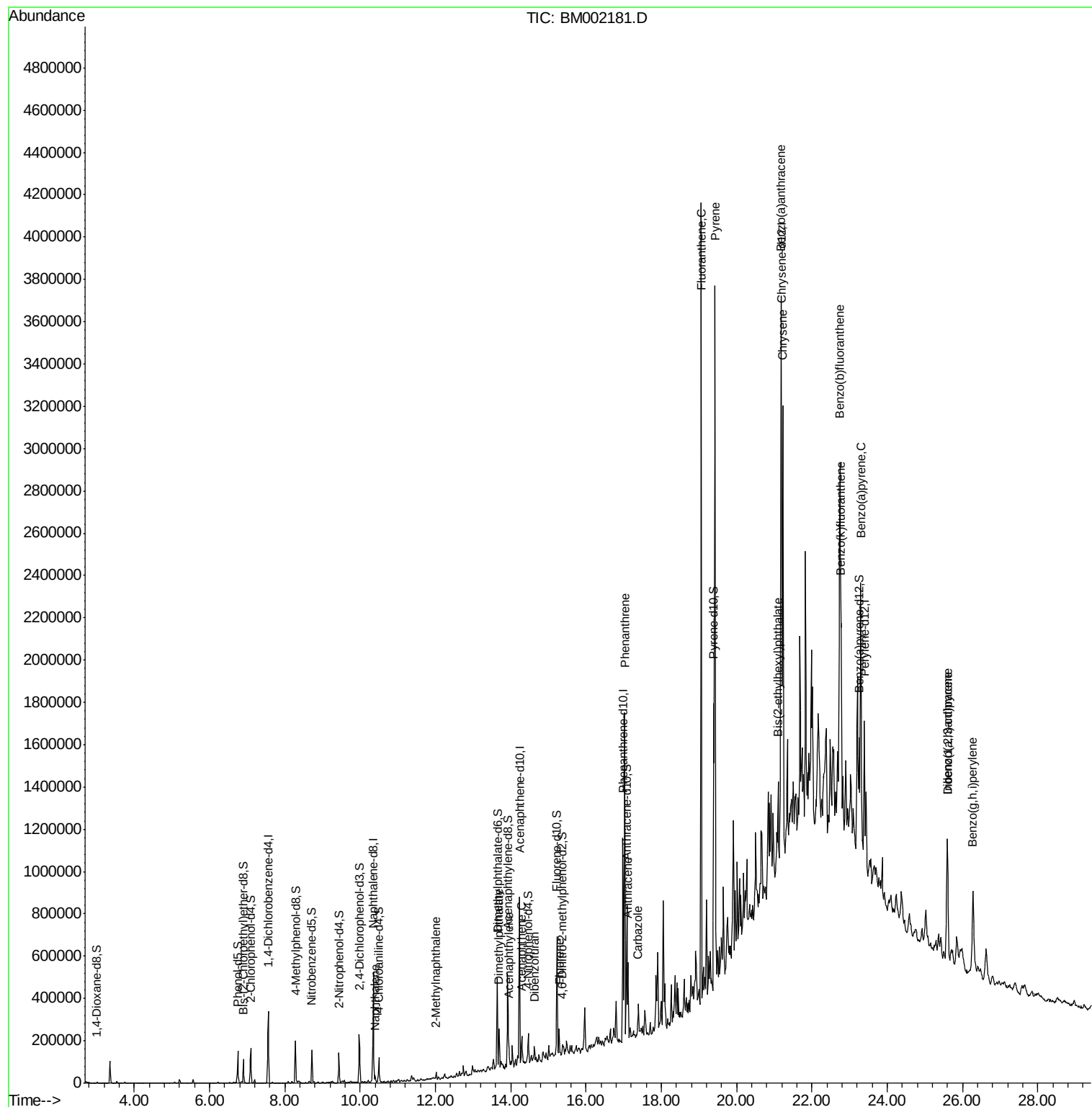
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002181.D
Acq On : 02 Aug 2015 22:29
Operator : TP
Sample : G3095-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

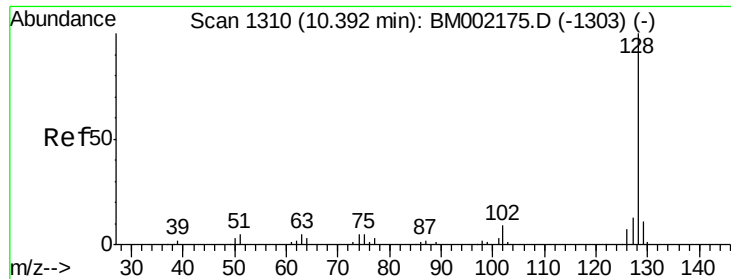
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Manual Integrations
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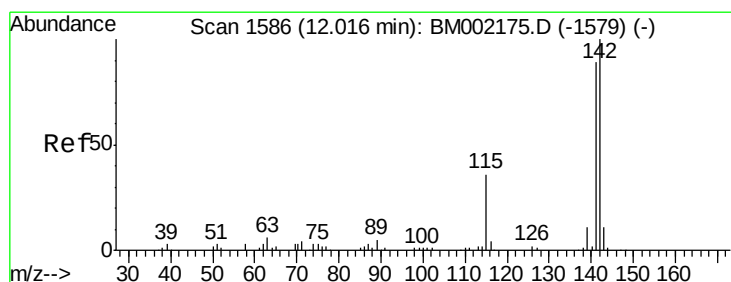
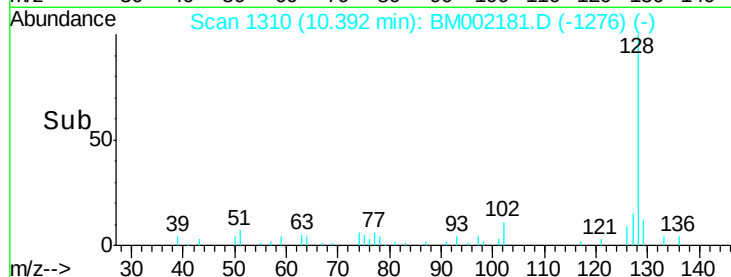
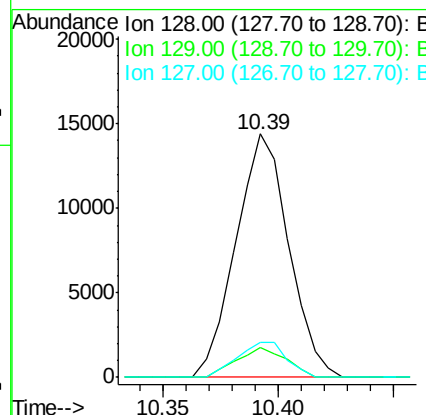
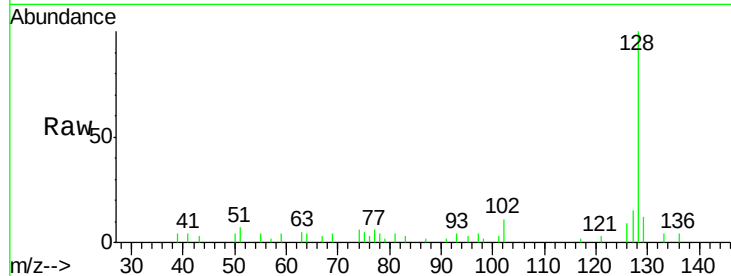
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Naphthalene
Concen: 1.17 ng/ul
RT: 10.39 min Scan# 1310
Delta R.T. 0.00 min
Lab File: BM002181.D
Acq: 02 Aug 2015 22:29

Instrument :
BNA_M
ClientSampleId :
C01Q6

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.3	9.0	13.4
127	14.6	10.2	15.4

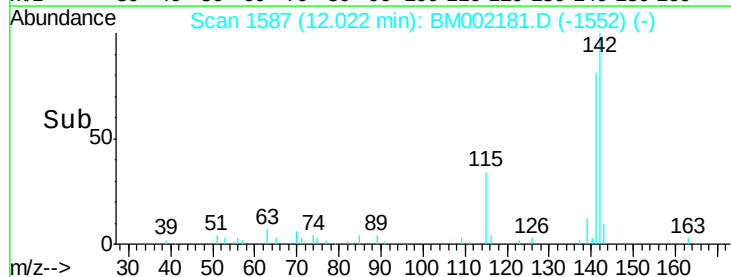
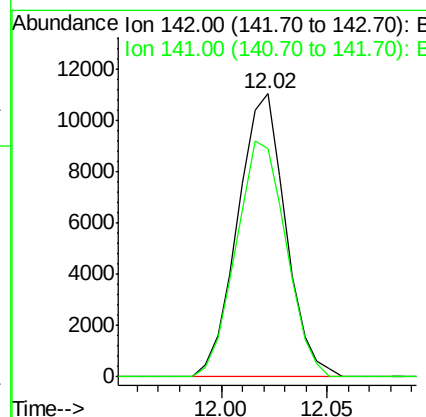
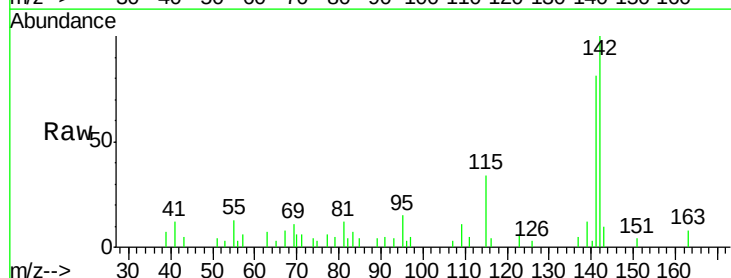
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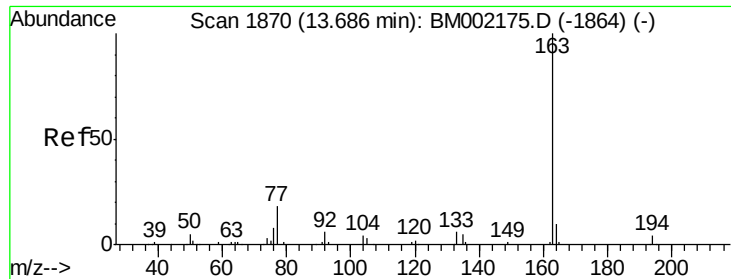
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#34
2-Methylnaphthalene
Concen: 1.22 ng/ul
RT: 12.02 min Scan# 1587
Delta R.T. 0.01 min
Lab File: BM002181.D
Acq: 02 Aug 2015 22:29

Tgt Ion	Ratio	Lower	Upper
142	100		
141	80.8	69.8	104.6





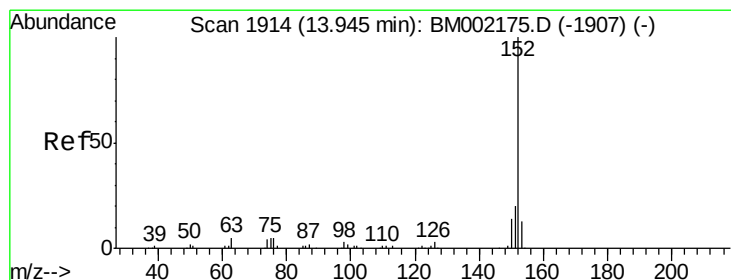
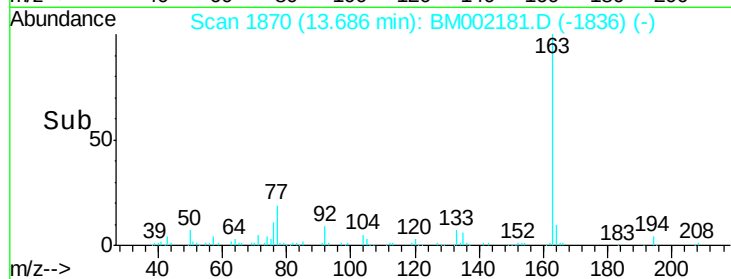
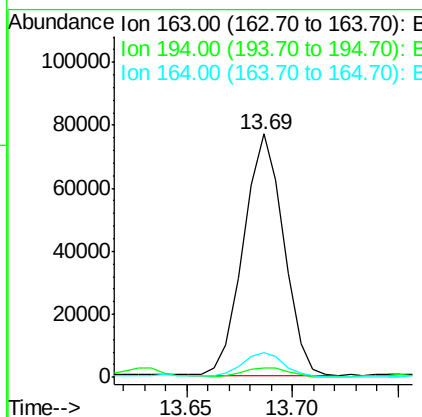
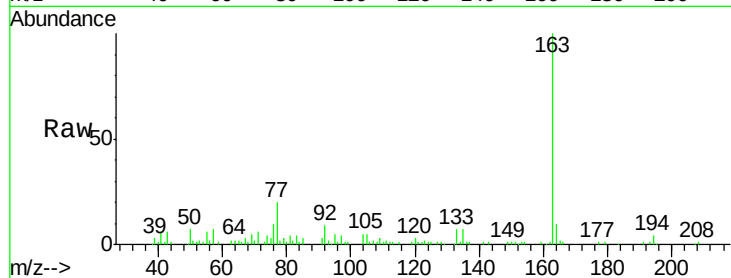
#45
Dimethylphthalate
Concen: 5.45 ng/ul
RT: 13.69 min Scan# 1870
Delta R.T. 0.00 min
Lab File: BM002181.D
Acq: 02 Aug 2015 22:29

Instrument :
BNA_M
ClientSampleId :
C01Q6

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	101147		
194	4.0	3.5	5.3	
164	10.1	8.0	12.0	

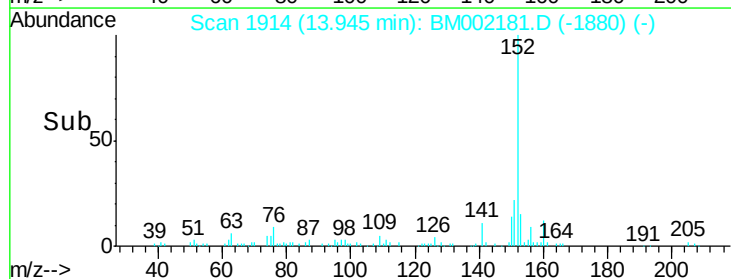
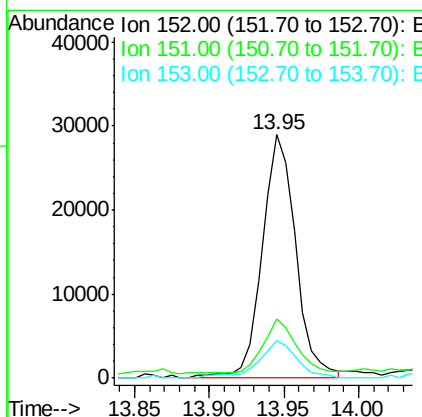
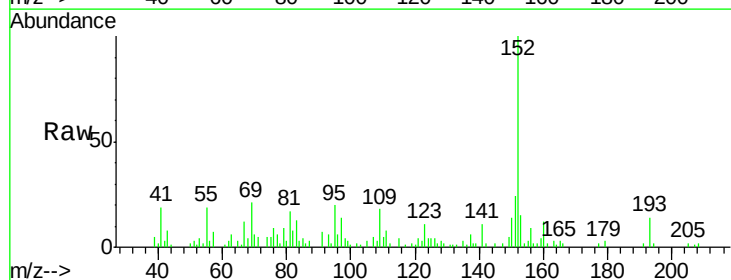
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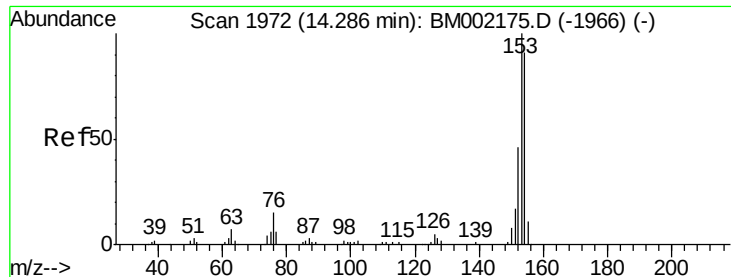
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#48
Acenaphthylene
Concen: 1.89 ng/ul
RT: 13.95 min Scan# 1914
Delta R.T. 0.00 min
Lab File: BM002181.D
Acq: 02 Aug 2015 22:29

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	45213		
151	24.1	15.6	23.4#	
153	15.5	10.3	15.5	





#50

Acenaphthene

Concen: 3.09 ng/ul

RT: 14.29 min Scan# 1973

Delta R.T. 0.01 min

Lab File: BM002181.D

Acq: 02 Aug 2015 22:29

Instrument :

BNA_M

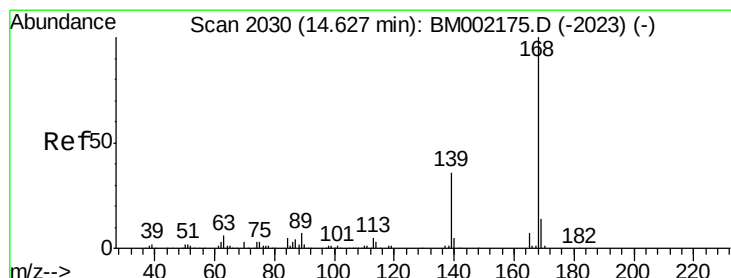
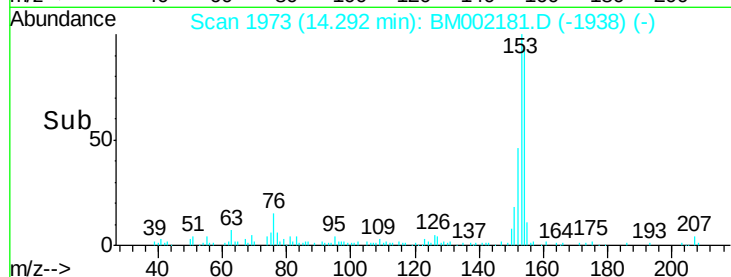
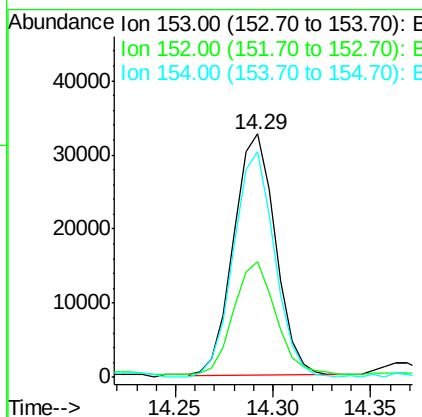
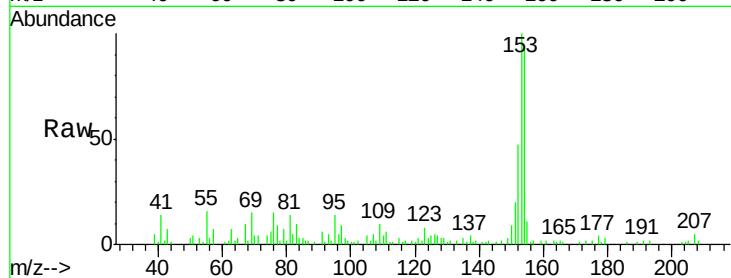
ClientSampleId :

C01Q6

Tgt Ion:	153	Resp:	48528
Ion Ratio	Lower	Upper	
153	100		
152	47.3	37.3	55.9
154	92.7	71.4	107.2

Manual Integrations
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#54

Dibenzofuran

Concen: 1.31 ng/ul

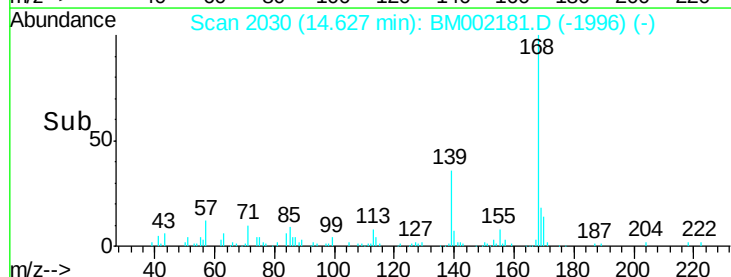
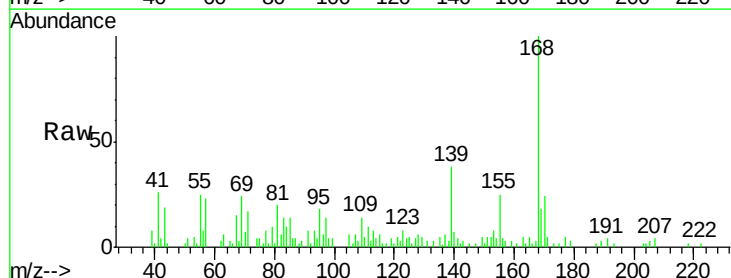
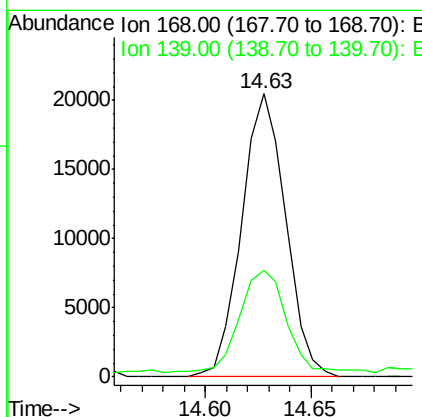
RT: 14.63 min Scan# 2030

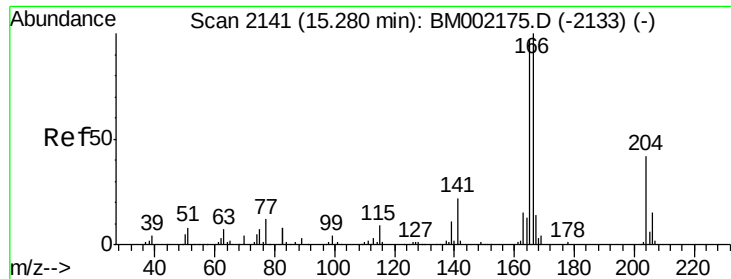
Delta R.T. 0.00 min

Lab File: BM002181.D

Acq: 02 Aug 2015 22:29

Tgt Ion:	168	Resp:	29622
Ion Ratio	Lower	Upper	
168	100		
139	37.8	28.2	42.2





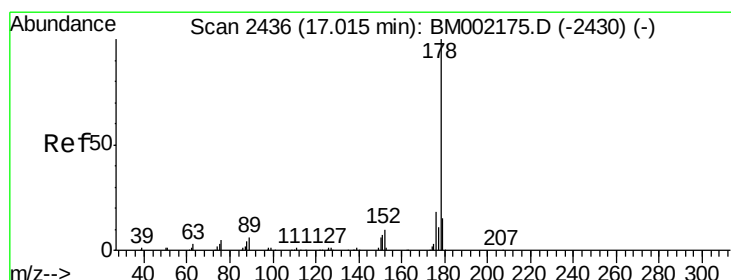
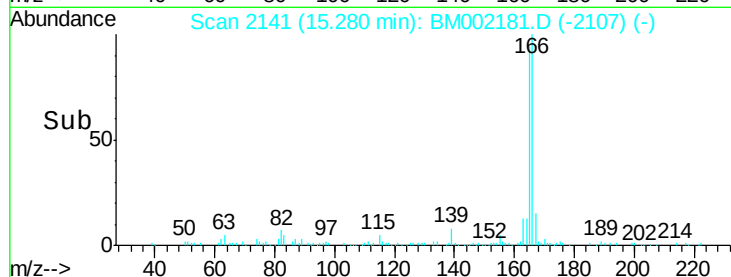
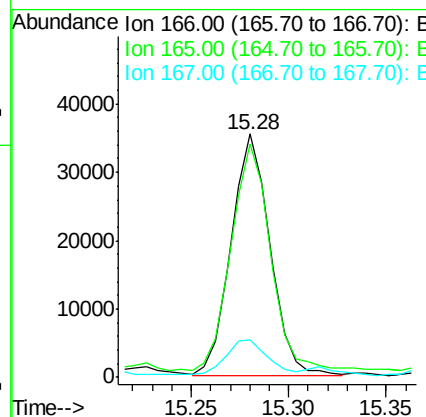
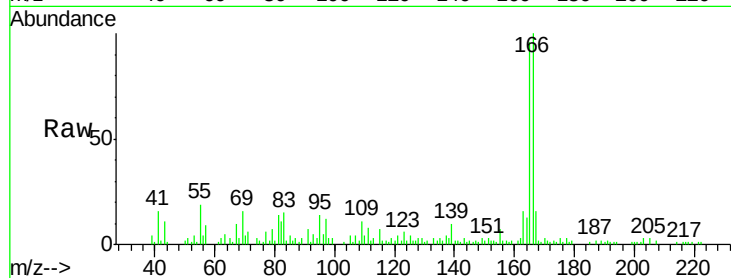
#59
 Fluorene
 Concen: 2.63 ng/ul
 RT: 15.28 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: BM002181.D
 Acq: 02 Aug 2015 22:29

Instrument :
 BNA_M
 ClientSampleId :
 C01Q6

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	48982		
165	95.7	75.6	113.4	
167	15.7	10.5	15.7	

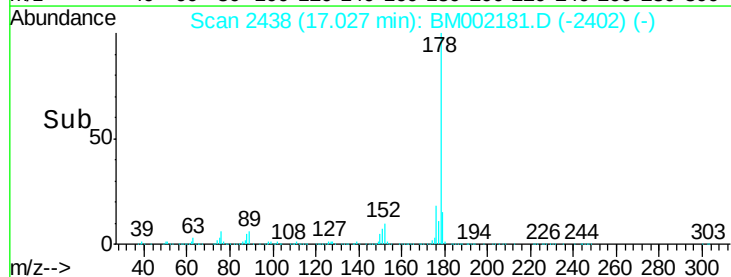
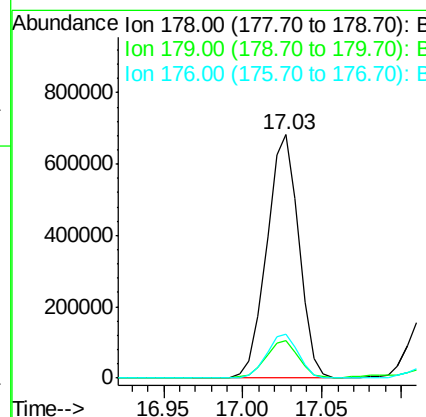
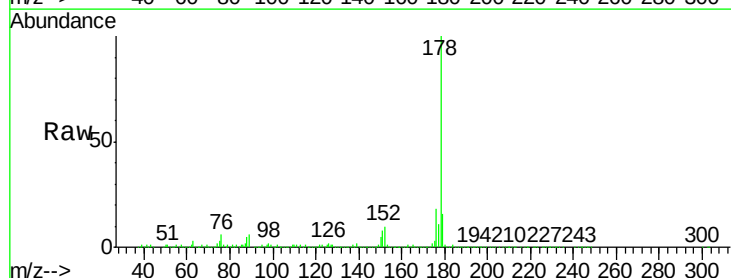
Manual Integrations
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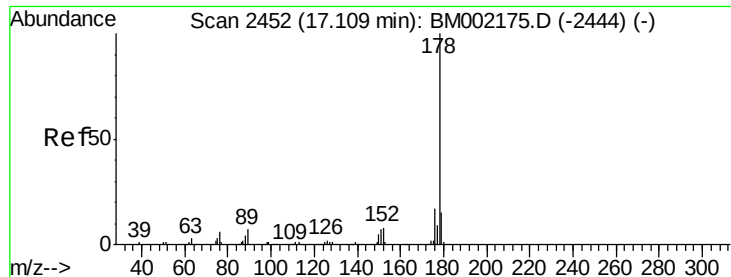
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 8/3/2015 4:44:44 PM



#70
 Phenanthrene
 Concen: 31.94 ng/ul
 RT: 17.03 min Scan# 2438
 Delta R.T. 0.01 min
 Lab File: BM002181.D
 Acq: 02 Aug 2015 22:29

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	959401		
179	15.5	12.5	18.7	
176	18.0	14.2	21.4	





#72

Anthracene

Concen: 7.59 ng/ul

RT: 17.12 min Scan# 2453

Delta R.T. 0.01 min

Lab File: BM002181.D

Acq: 02 Aug 2015 22:29

Instrument :

BNA_M

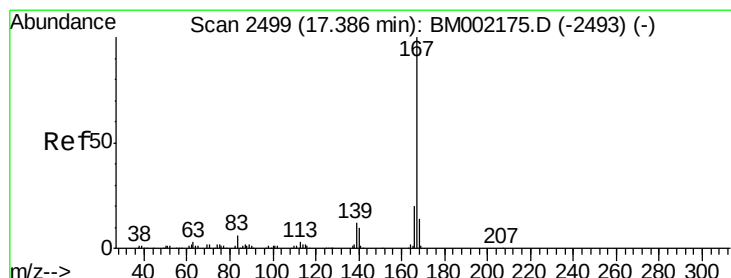
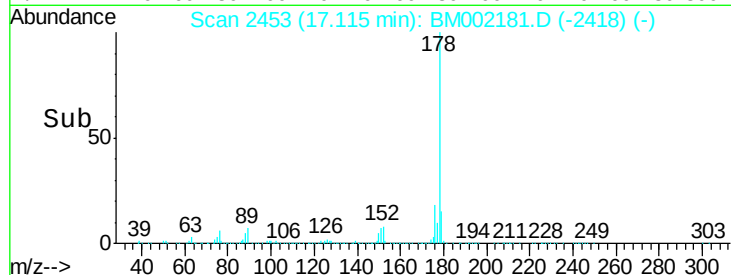
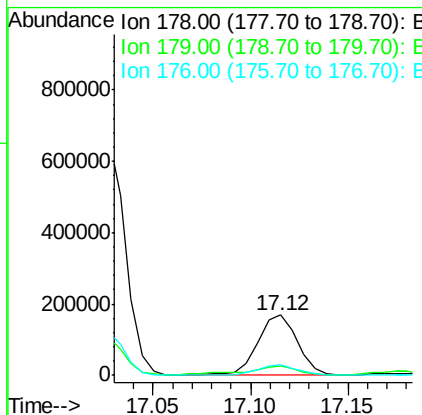
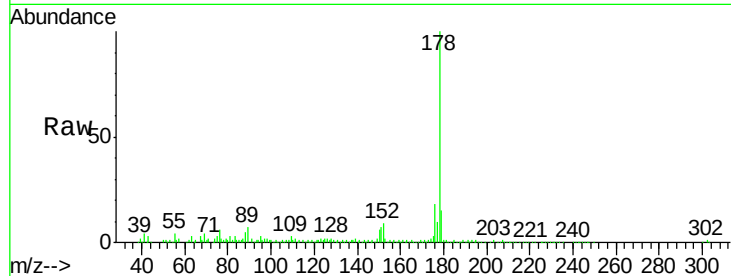
ClientSampleId :

C01Q6

Tgt Ion:	178	Resp:	233214
Ion Ratio	Lower	Upper	
178	100		
179	15.4	12.1	18.1
176	18.0	14.1	21.1

Manual Integrations
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#75

Carbazole

Concen: 2.39 ng/ul

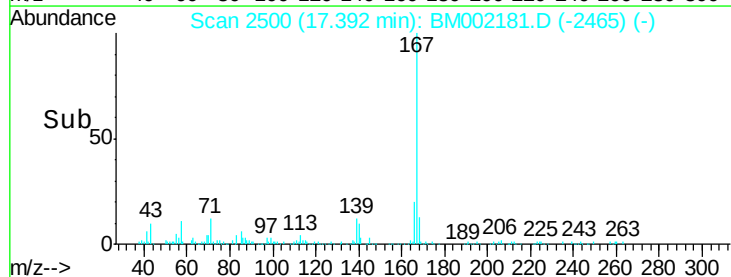
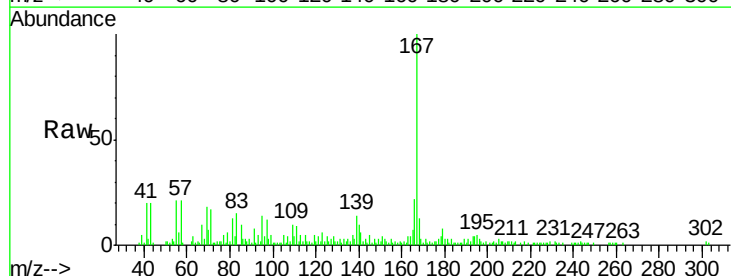
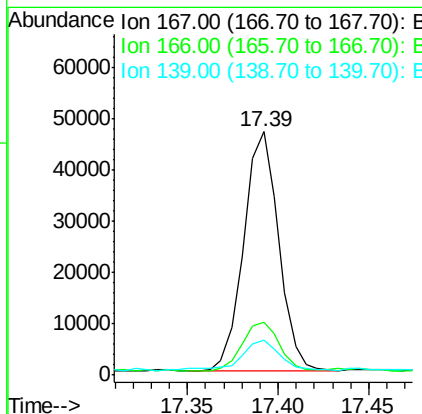
RT: 17.39 min Scan# 2500

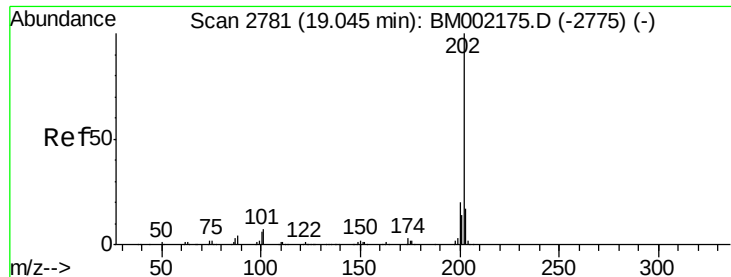
Delta R.T. 0.01 min

Lab File: BM002181.D

Acq: 02 Aug 2015 22:29

Tgt Ion:	167	Resp:	62652
Ion Ratio	Lower	Upper	
167	100		
166	21.6	16.2	24.4
139	14.1	9.6	14.4





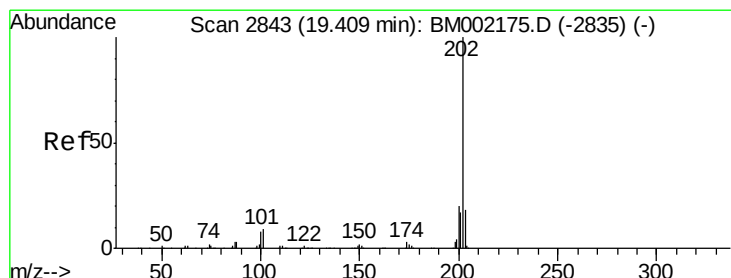
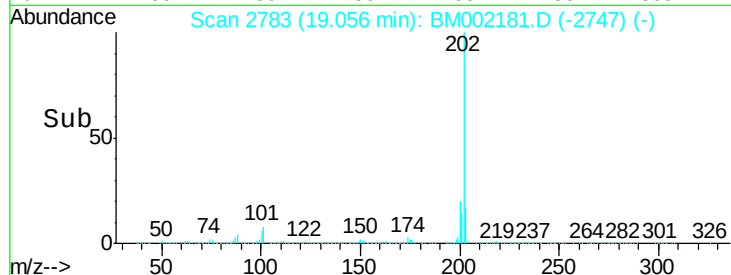
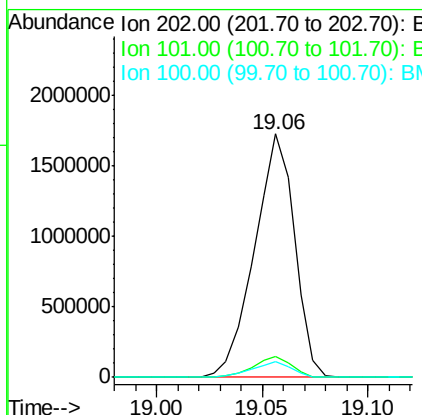
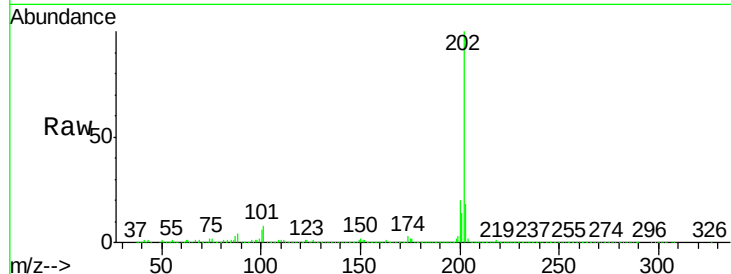
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Fluoranthene
Concen: 65.30 ng/ul
RT: 19.06 min Scan# 2783
Delta R.T. 0.01 min
Lab File: BM002181.D
Acq: 02 Aug 2015 22:29

Instrument :
BNA_M
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C01Q6

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	2265121		
101	8.4	6.2	9.4	
100	6.5	5.2	7.8	

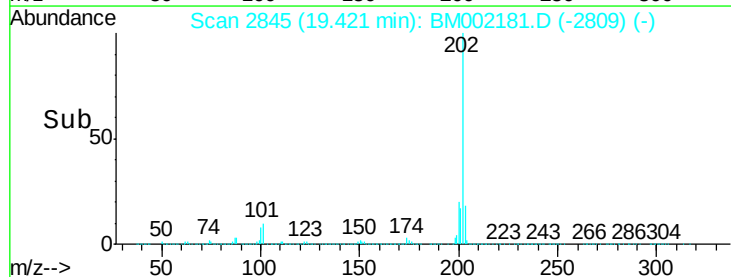
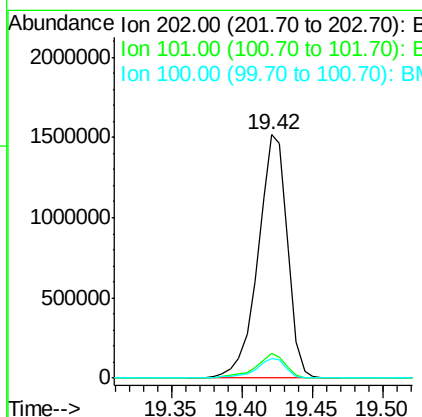
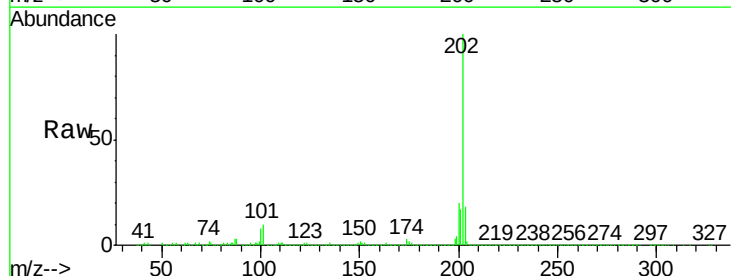
Manual Integrations
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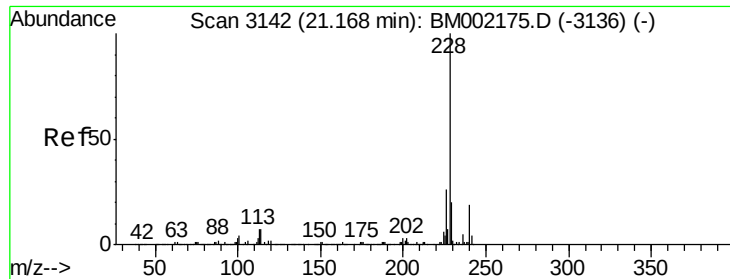
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#80
Pyrene
Concen: 66.55 ng/ul
RT: 19.42 min Scan# 2845
Delta R.T. 0.01 min
Lab File: BM002181.D
Acq: 02 Aug 2015 22:29

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	2211678		
101	10.0	7.4	11.2	
100	8.2	6.3	9.5	





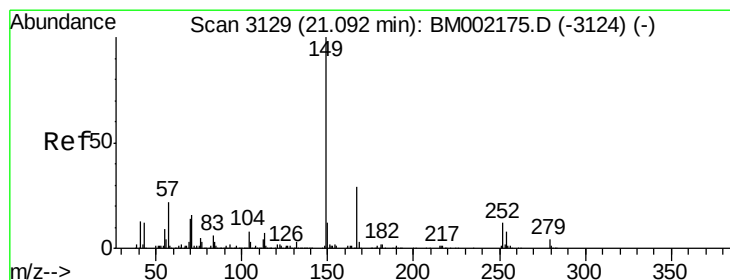
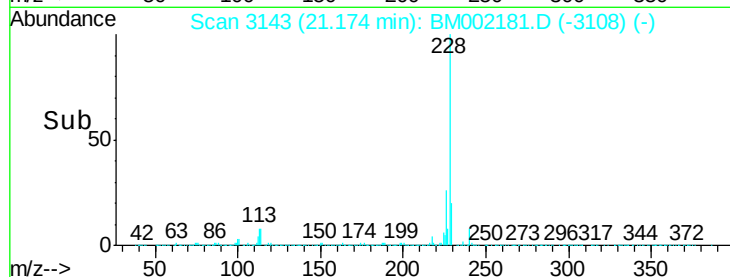
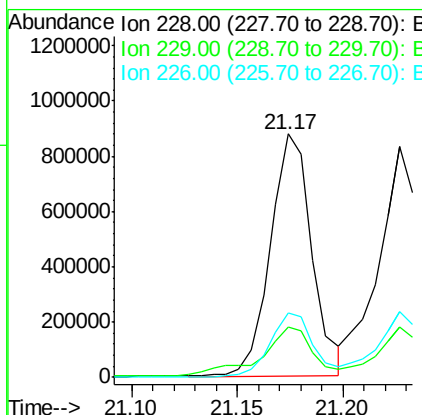
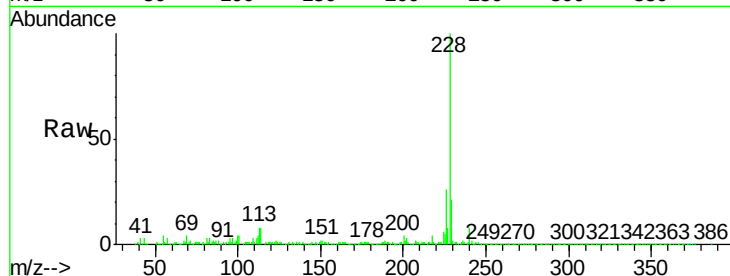
#83
Benzo(a)anthracene
Concen: 35.42 ng/ul
RT: 21.17 min Scan# 3143
Delta R.T. 0.01 min
Lab File: BM002181.D
Acq: 02 Aug 2015 22:29

Instrument :
BNA_M
ClientSampleId :
C01Q6

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.6	15.4	23.2
226	26.4	20.5	30.7

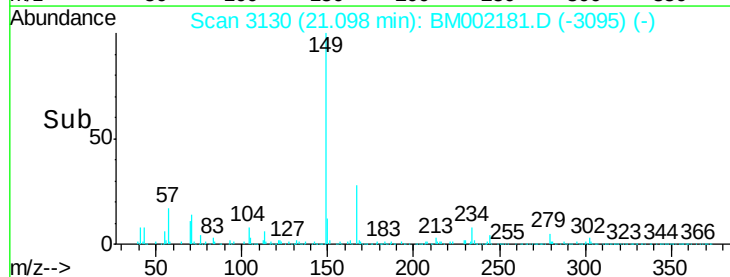
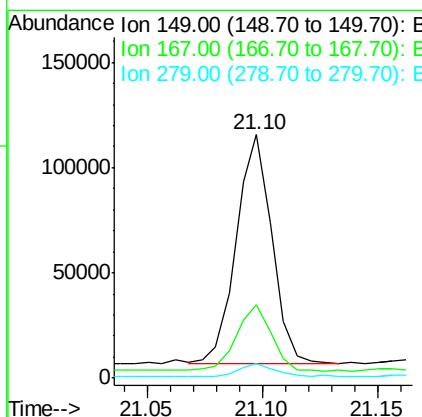
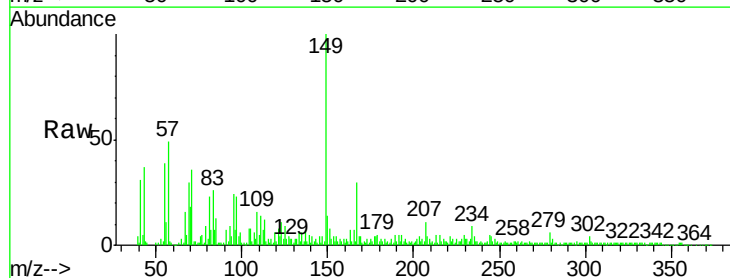
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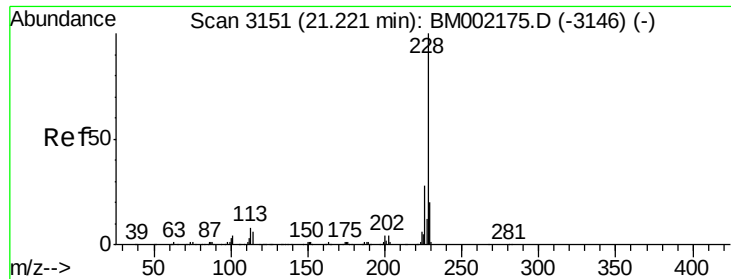
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#84
Bis(2-ethylhexyl)phthalate
Concen: 6.04 ng/ul
RT: 21.10 min Scan# 3130
Delta R.T. 0.01 min
Lab File: BM002181.D
Acq: 02 Aug 2015 22:29

Tgt Ion	Ratio	Lower	Upper
149	100		
167	30.1	23.6	35.4
279	5.9	4.2	6.4





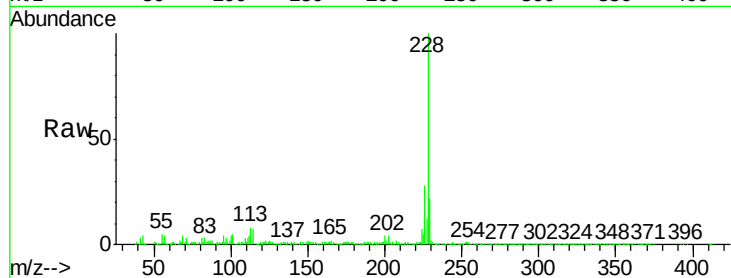
#85
Chrysene
Concen: 34.38 ng/ul
RT: 21.23 min Scan# 3152
Delta R.T. 0.01 min
Lab File: BM002181.D
Acq: 02 Aug 2015 22:29

Instrument :
BNA_M
ClientSampleId :
C01Q6

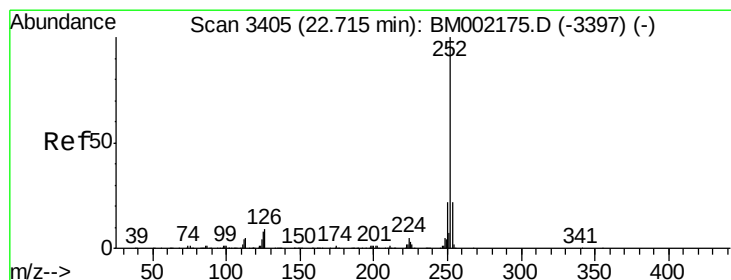
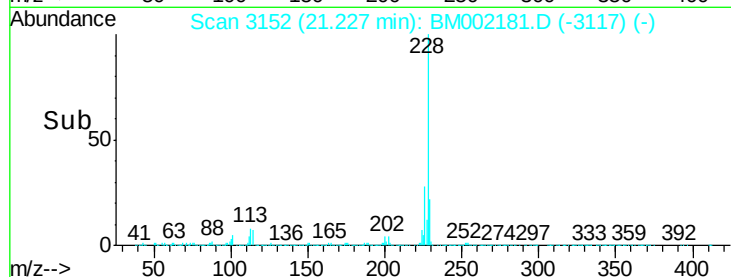
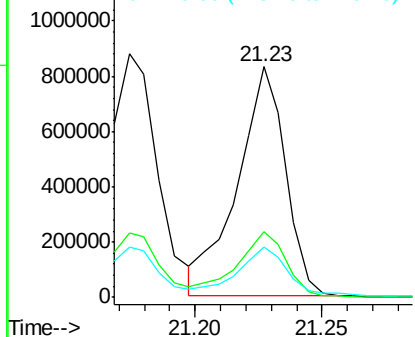
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.3	33.5
229	22.0	15.5	23.3

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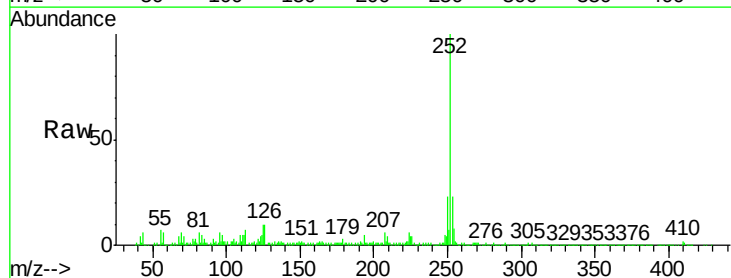


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

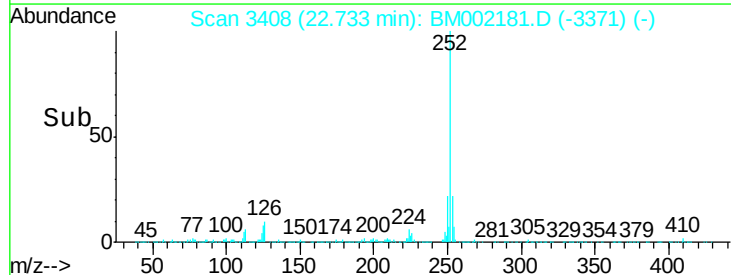
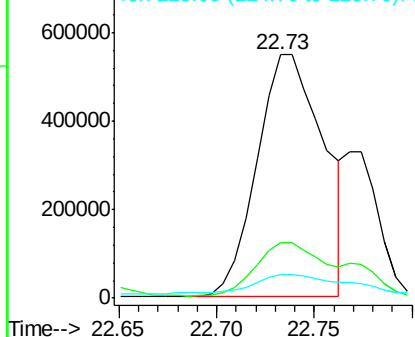


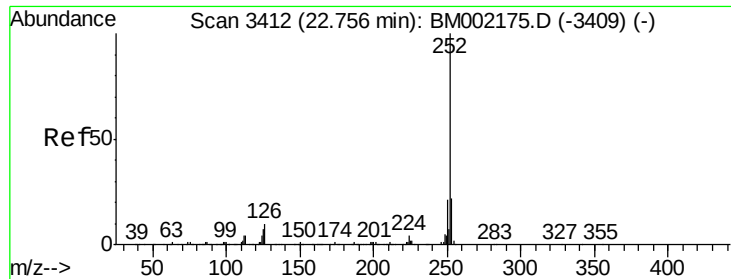
#88
Benzo(b)fluoranthene
Concen: 44.72 ng/ul
RT: 22.73 min Scan# 3408
Delta R.T. 0.02 min
Lab File: BM002181.D
Acq: 02 Aug 2015 22:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	16.9	25.3
125	9.7	6.2	9.2#



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





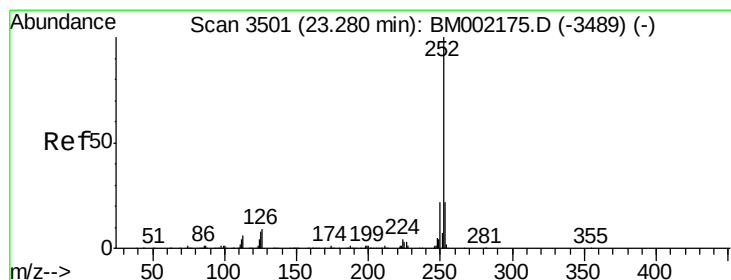
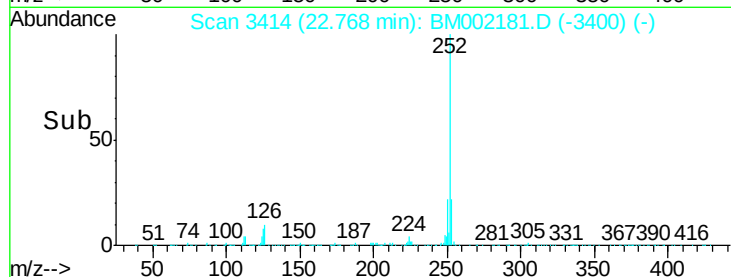
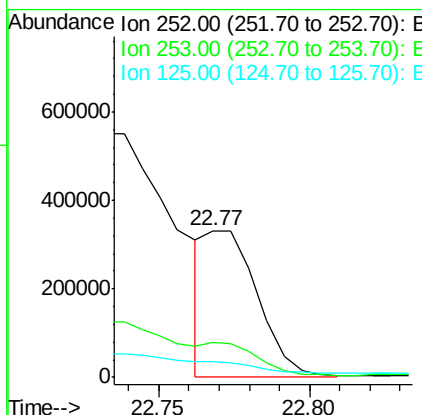
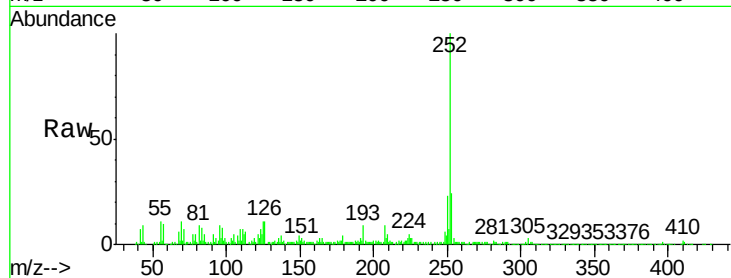
#89
Benzo(k)fluoranthene
Concen: 13.96 ng/ul m
RT: 22.77 min Scan# 3414
Delta R.T. 0.01 min
Lab File: BM002181.D
Acq: 02 Aug 2015 22:29

Instrument :
BNA_M
ClientSampleId :
C01Q6

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.6	17.4	26.0
125	11.1	6.2	9.4

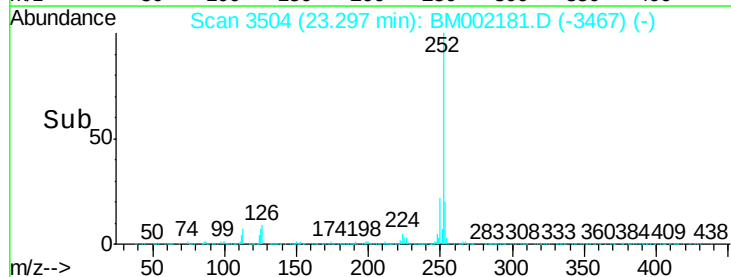
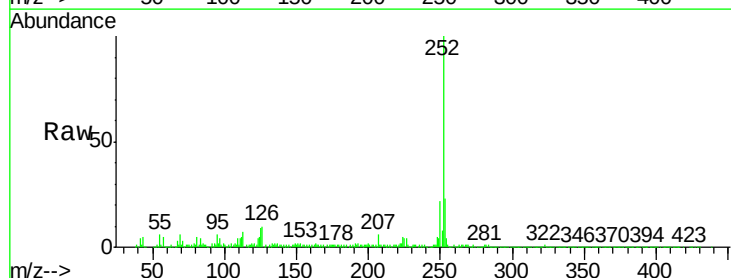
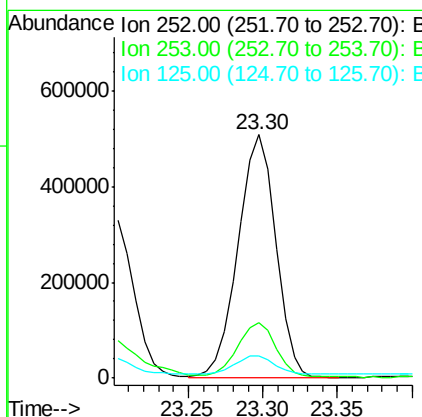
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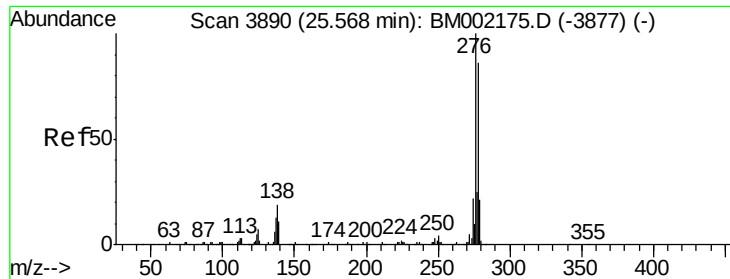
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#91
Benzo(a)pyrene
Concen: 31.72 ng/ul
RT: 23.30 min Scan# 3504
Delta R.T. 0.02 min
Lab File: BM002181.D
Acq: 02 Aug 2015 22:29

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.0	17.2	25.8
125	9.2	6.6	10.0





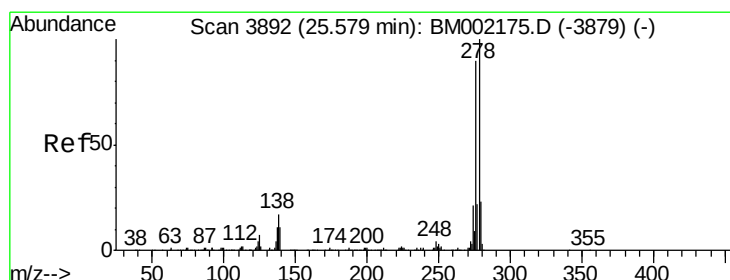
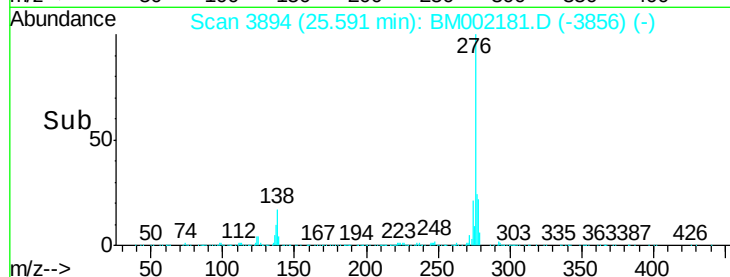
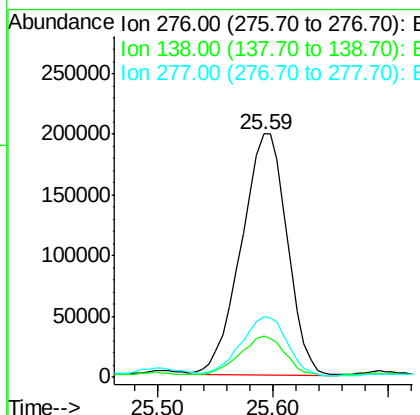
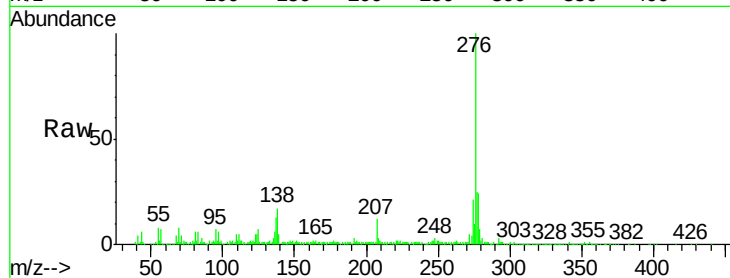
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 17.04 ng/ul
 RT: 25.59 min Scan# 3894
 Delta R.T. 0.02 min
 Lab File: BM002181.D
 Acq: 02 Aug 2015 22:29

Instrument :
 BNA_M
 ClientSampleId :
 C01Q6

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	549191		
138	16.9		16.2	24.2
277	24.7		19.8	29.8

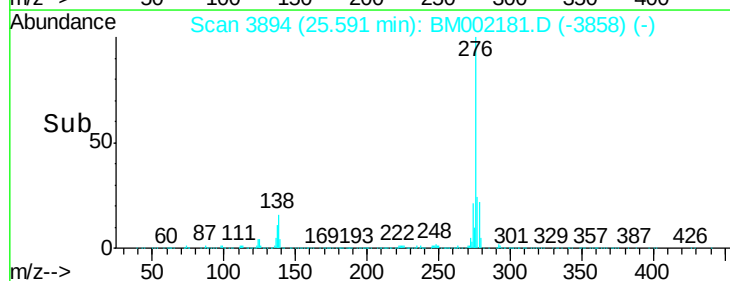
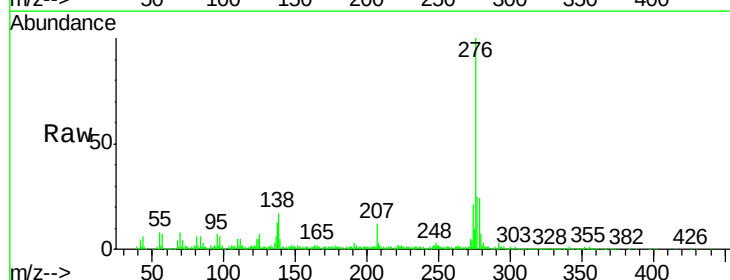
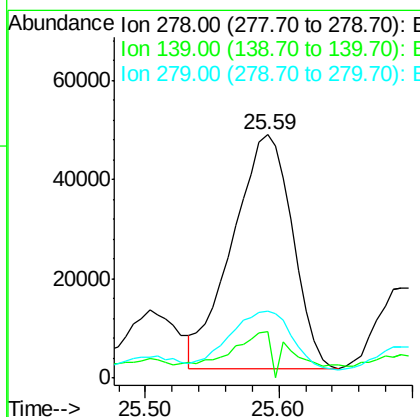
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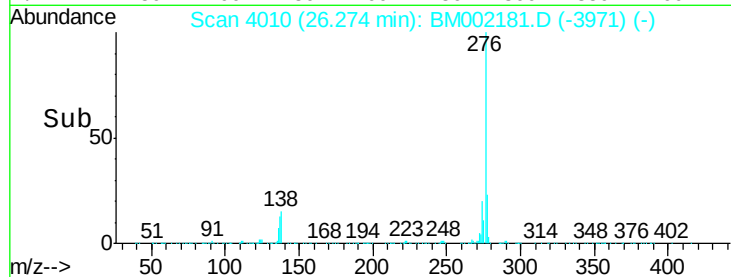
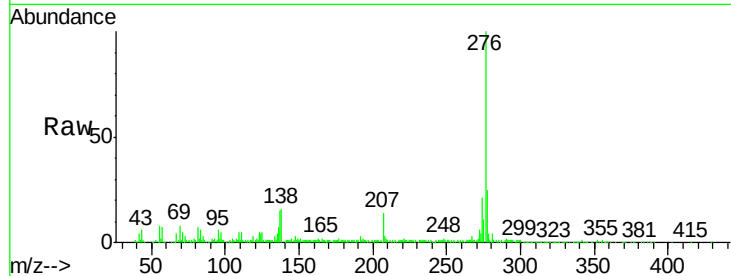
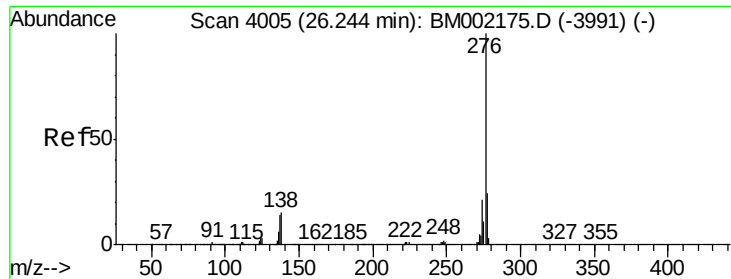
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#93
 Dibenzo(a,h)anthracene
 Concen: 5.35 ng/ul
 RT: 25.59 min Scan# 3894
 Delta R.T. 0.01 min
 Lab File: BM002181.D
 Acq: 02 Aug 2015 22:29

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	147635		
139	19.4		10.6	16.0#
279	27.5		18.5	27.7





#94
 Benzo(g,h,i)perylene
 Concen: 18.69 ng/ul
 RT: 26.27 min Scan# 4010
 Delta R.T. 0.03 min
 Lab File: BM002181.D
 Acq: 02 Aug 2015 22:29

Instrument :
 BNA_M
 ClientSampleId :
 C01Q6

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	15.9	13.8	20.6
277	24.5	18.2	27.2

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