

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080715\
 Data File : BM002298.D
 Acq On : 09 Aug 2015 04:34
 Operator : TP/UM
 Sample : G3161-13RE
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9C58RE

Manual Integrations
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MMDadoda
 8/10/2015 7:15:41 PM

Quant Time: Aug 09 07:07:43 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Aug 09 06:16:29 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	270963	20.00	ng/ul	0.00
2) Naphthalene-d8	11.80	136	1309228	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.50	164	679537	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.21	188	1351534	20.00	ng/ul	0.00
17) Chrysene-d12	22.30	240	1094056	20.00	ng/ul	0.00
22) Perylene-d12	25.00	264	939652	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	15.20	160	1298829	18.45	ng/ul	0.00
10) Fluorene-d10	16.47	176	858917	17.54	ng/ul	0.00
14) Anthracene-d10	18.31	188	1212022	18.48	ng/ul	0.00
18) Pyrene-d10	20.52	212	1112778	20.97	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.82	264	807526	16.19	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	11.85	128	78269	1.14	ng/ul	97
4) 2-Methylnaphthalene	13.39	142	82464	1.67	ng/ul	99
5) 1-Methylnaphthalene	13.60	142	54758	1.13	ng/ul	99
13) Phenanthrene	18.25	178	480494	6.18	ng/ul	100
15) Anthracene	18.34	178	95334	1.19	ng/ul	99
16) Fluoranthene	20.20	202	887737	10.31	ng/ul	100
19) Pyrene	20.55	202	713727	10.09	ng/ul	99
20) Benzo(a)anthracene	22.27	228	393574	5.89	ng/ul	98
21) Chrysene	22.34	228	425043m	6.72	ng/ul	
23) Benzo(b)fluoranthene	24.16	252	563607	9.65	ng/ul	97
24) Benzo(k)fluoranthene	24.21	252	175616m	3.13	ng/ul	
26) Benzo(a)pyrene	24.87	252	355482	6.36	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	27.84	276	258943	4.04	ng/ul	95
28) Dibenzo(a,h)anthracene	27.84	278	68146	1.26	ng/ul#	72
29) Benzo(g,h,i)perylene	28.73	276	242076	4.48	ng/ul	98

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

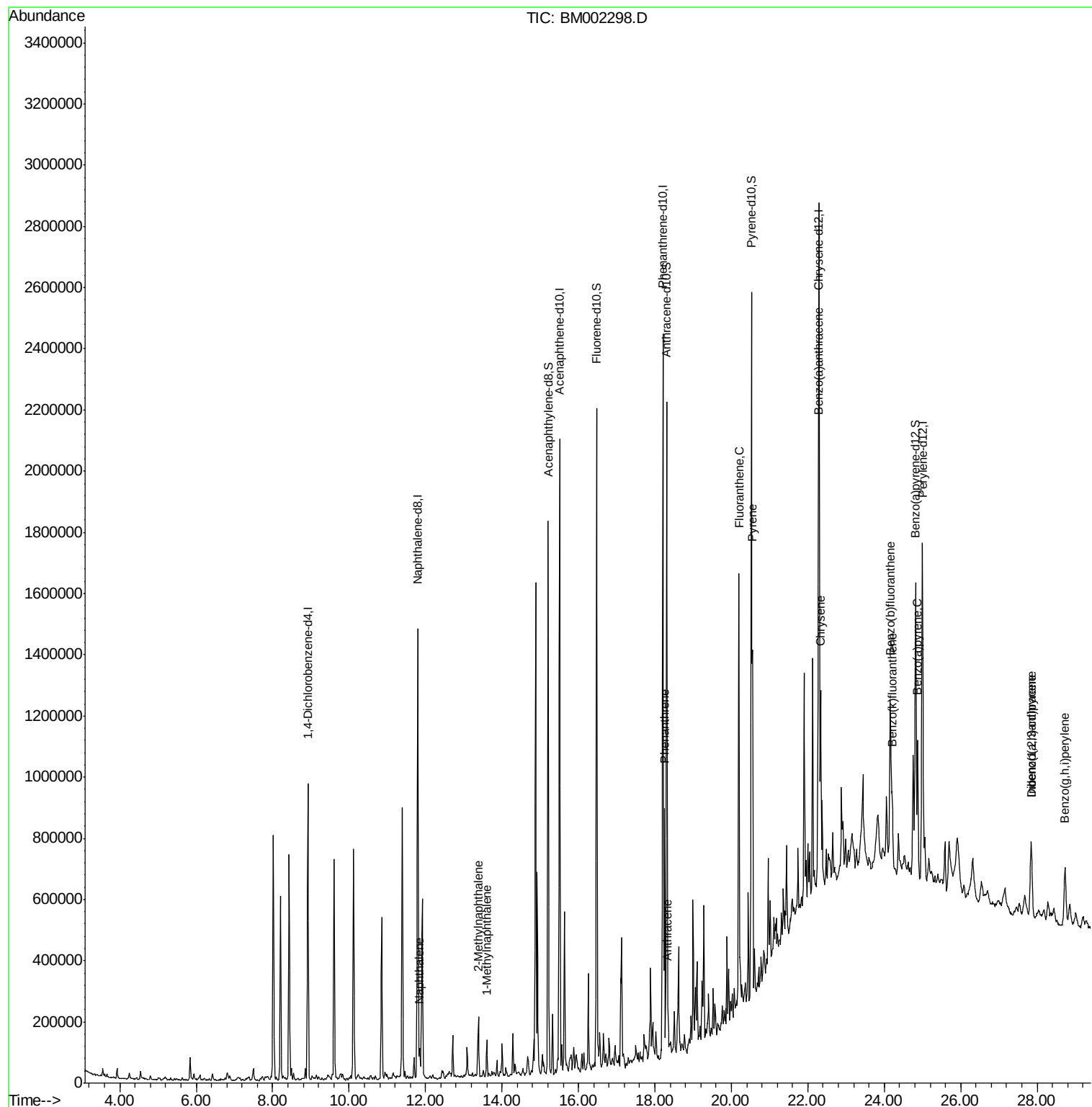
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080715\
Data File : BM002298.D
Acq On : 09 Aug 2015 04:34
Operator : TP/UM
Sample : G3161-13RE
Misc :
ALS Vial : 36 Sample Multiplier: 1

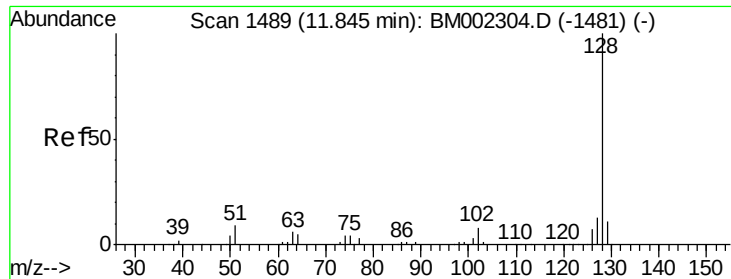
Instrument :
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Quant Time: Aug 09 07:07:43 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Aug 09 06:16:29 2015
Response via : Initial Calibration





#3

Naphthalene

Concen: 1.14 ng/ul

RT: 11.85 min Scan# 1489

Delta R.T. 0.00 min

Lab File: BM002298.D

Acq: 09 Aug 2015 04:34

Instrument :

BNA_M

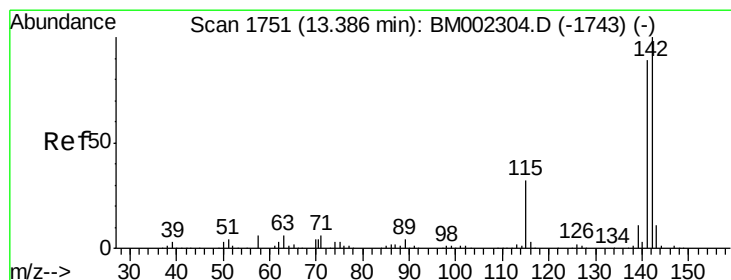
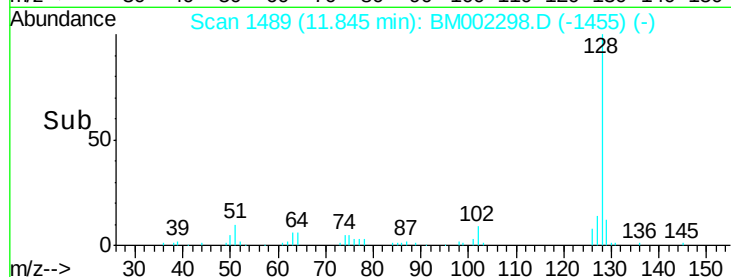
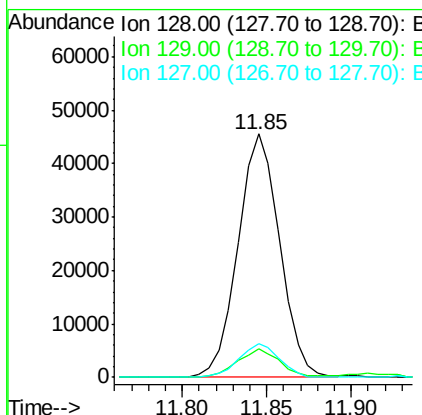
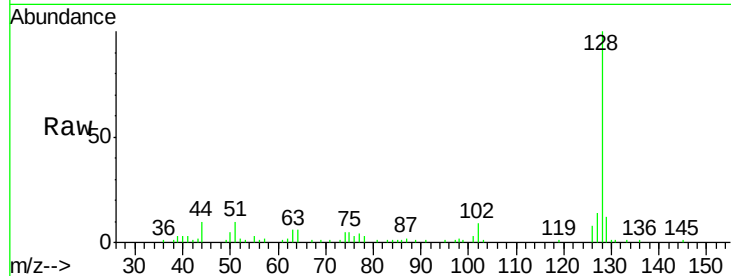
ClientSampleId :

D9C58RE

Tgt Ion:	128	Resp:	78269
Ion Ratio	Lower	Upper	
128	100		
129	11.6	8.6	12.8
127	14.1	10.4	15.6

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#4

2-Methylnaphthalene

Concen: 1.67 ng/ul

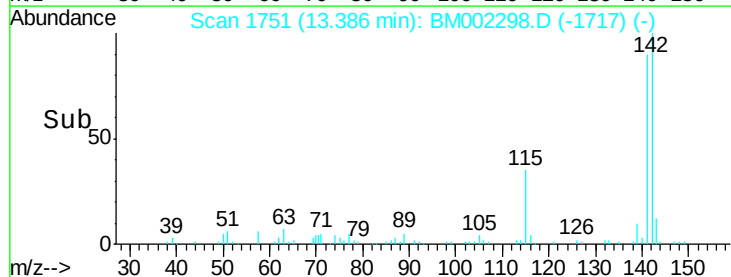
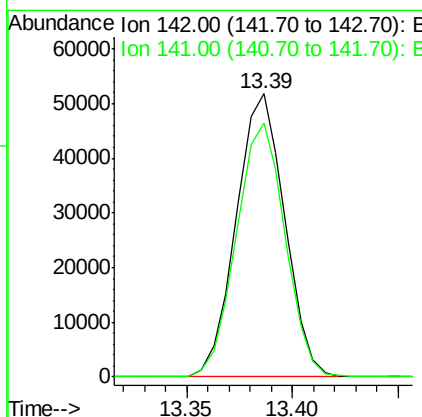
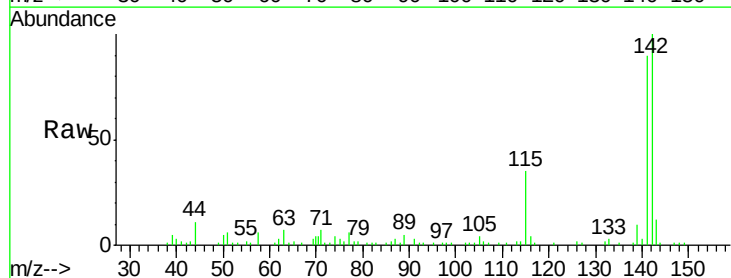
RT: 13.39 min Scan# 1751

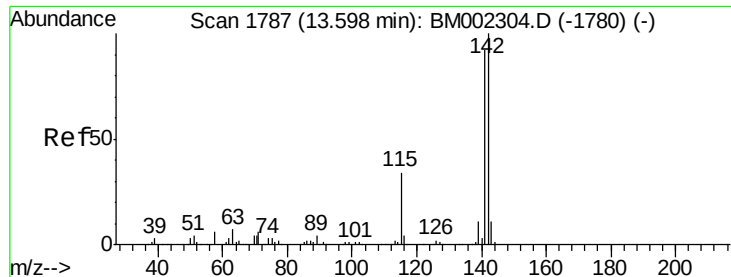
Delta R.T. 0.00 min

Lab File: BM002298.D

Acq: 09 Aug 2015 04:34

Tgt Ion:	142	Resp:	82464
Ion Ratio	Lower	Upper	
142	100		
141	89.8	72.5	108.7





#5

1-Methylnaphthalene

Concen: 1.13 ng/ul

RT: 13.60 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BM002298.D

Acq: 09 Aug 2015 04:34

Instrument :

BNA_M

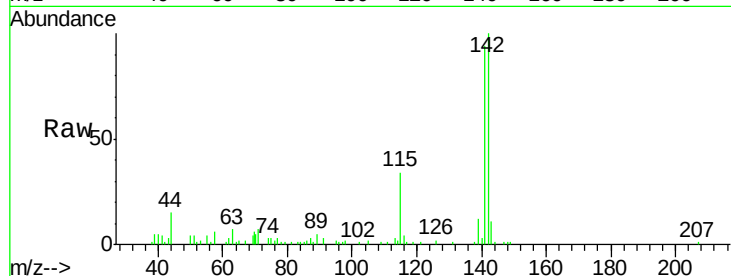
ClientSampleId :

D9C58RE

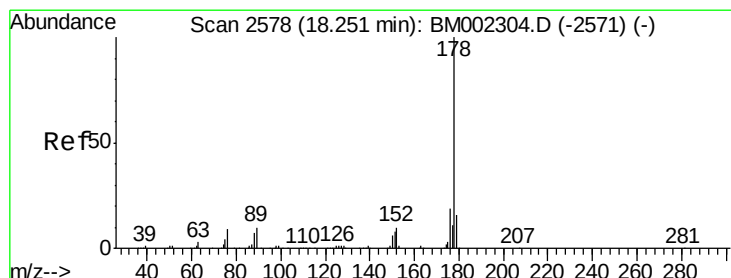
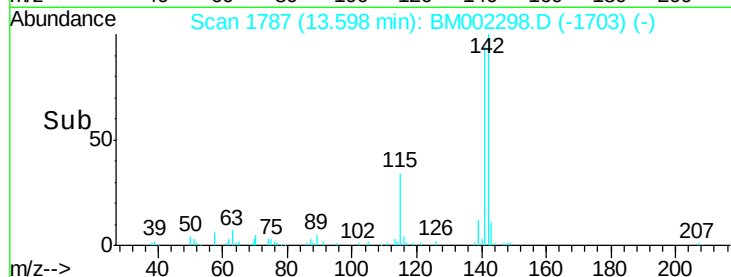
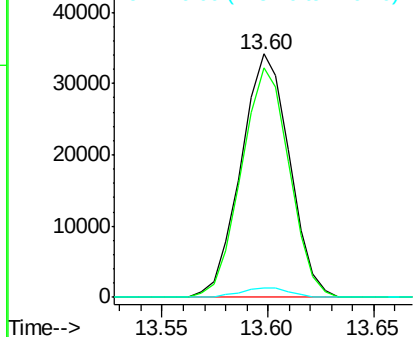
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Tgt Ion:	142	Resp:	54758
Ion Ratio	Lower	Upper	
142	100		
141	94.1	74.5	111.7
116	3.8	3.0	4.4



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E



#13

Phenanthrene

Concen: 6.18 ng/ul

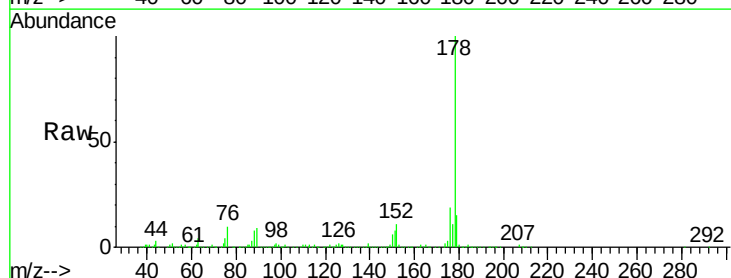
RT: 18.25 min Scan# 2578

Delta R.T. 0.00 min

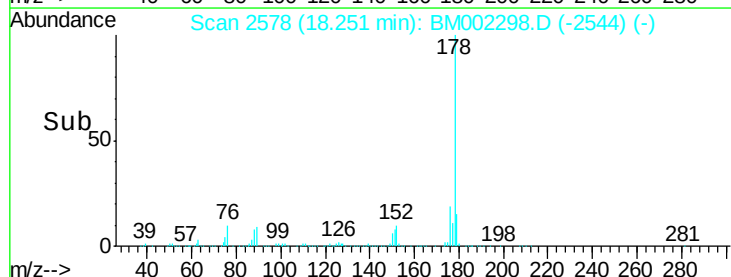
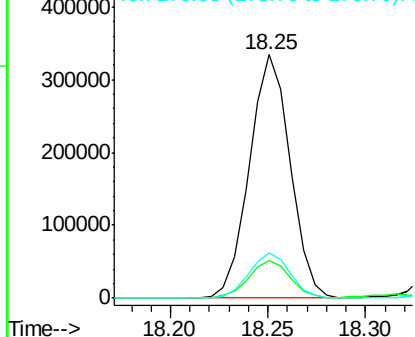
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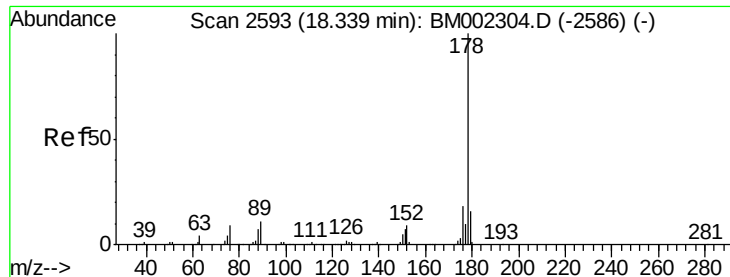
Acq: 09 Aug 2015 04:34

Tgt Ion:	178	Resp:	480494
Ion Ratio	Lower	Upper	
178	100		
179	15.4	12.3	18.5
176	18.8	15.3	22.9



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





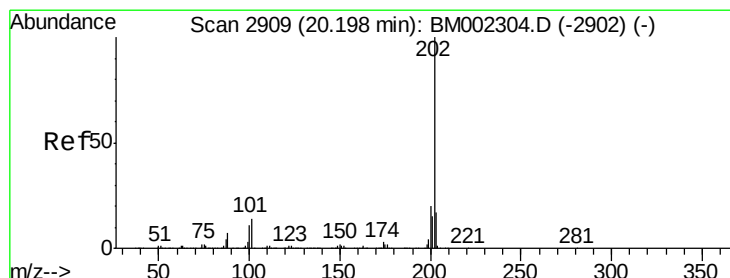
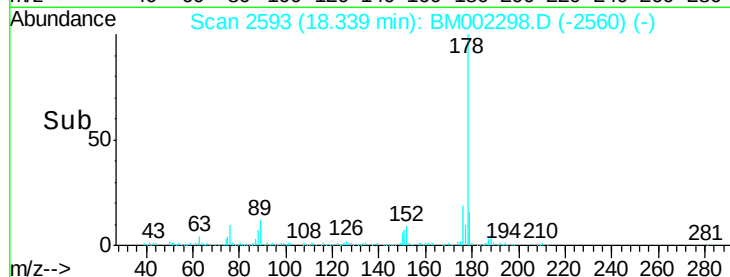
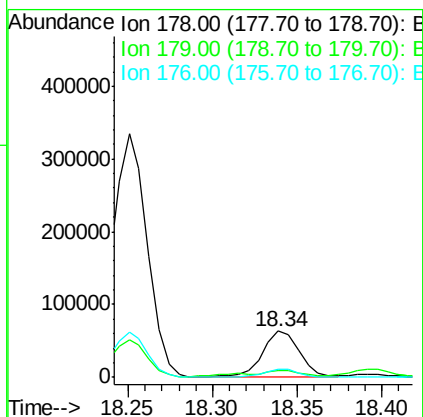
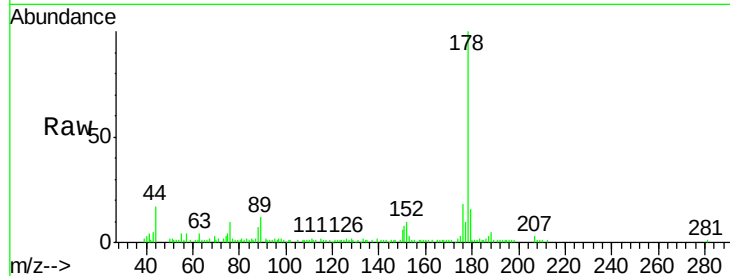
#15
 Anthracene
 Concen: 1.19 ng/ul
 RT: 18.34 min Scan# 2593
 Delta R.T. -0.01 min
 Lab File: BM002298.D
 Acq: 09 Aug 2015 04:34

Instrument :
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Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.3	18.5
176	18.4	14.5	21.7

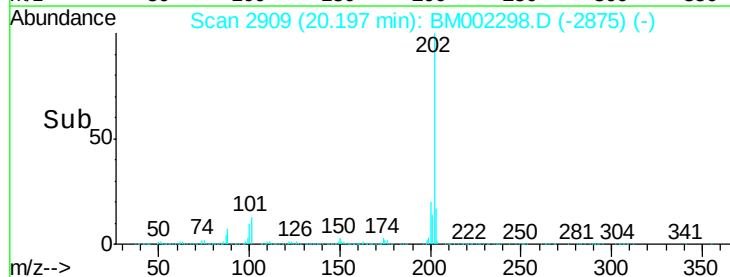
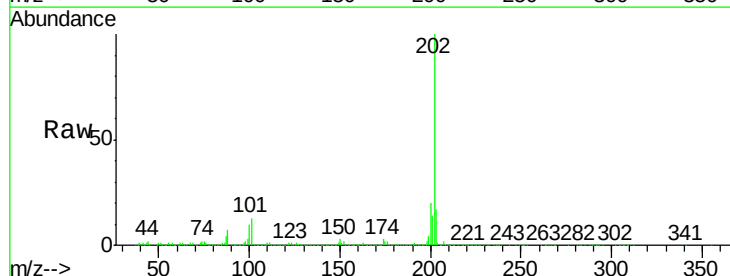
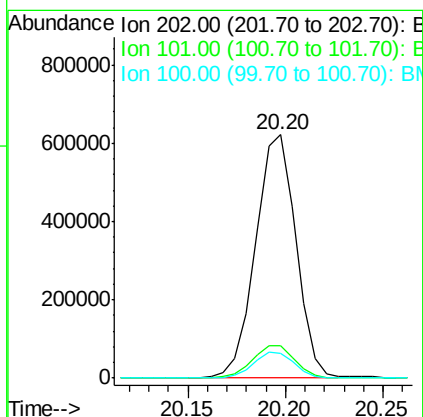
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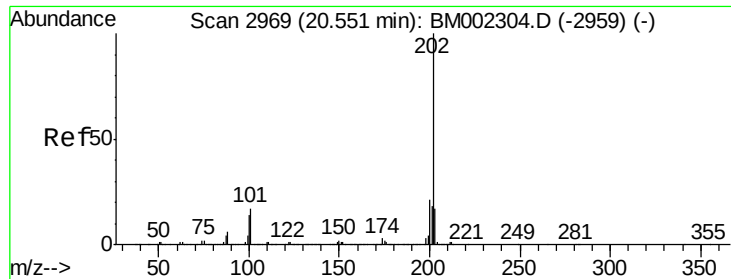
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#16
 Fluoranthene
 Concen: 10.31 ng/ul
 RT: 20.20 min Scan# 2909
 Delta R.T. 0.00 min
 Lab File: BM002298.D
 Acq: 09 Aug 2015 04:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.4	10.6	15.8
100	10.3	8.2	12.4





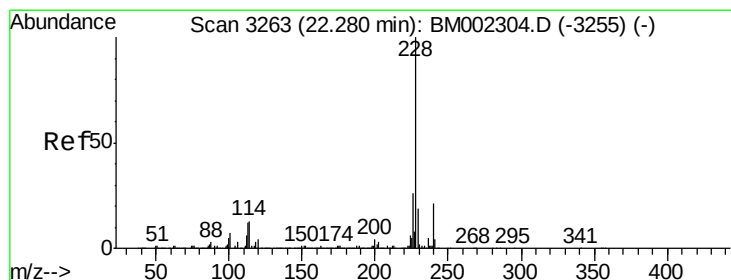
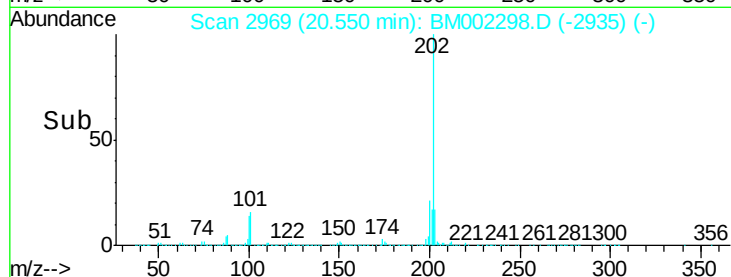
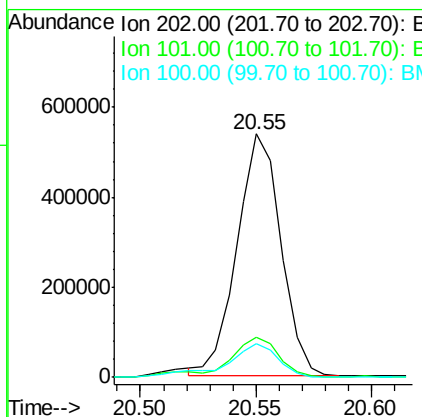
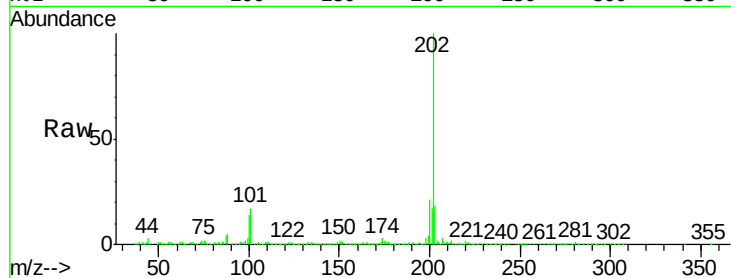
#19
 Pyrene
 Concen: 10.09 ng/ul
 RT: 20.55 min Scan# 2969
 Delta R.T. 0.00 min
 Lab File: BM002298.D
 Acq: 09 Aug 2015 04:34

Instrument :
 BNA_M
 ClientSampleId :
 D9C58RE

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	713727		
101	16.5	13.0	19.6	
100	13.9	11.0	16.4	

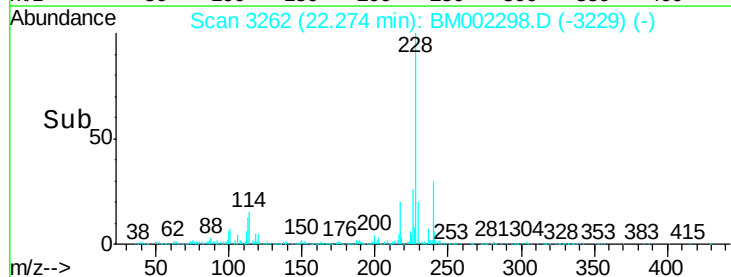
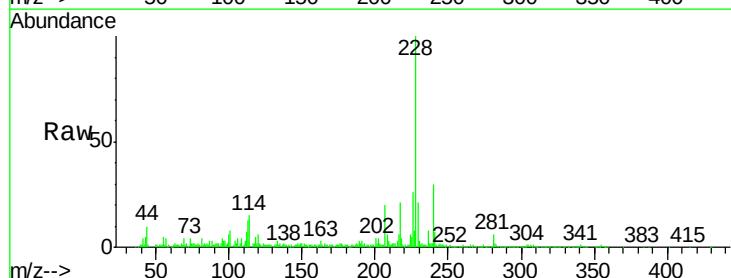
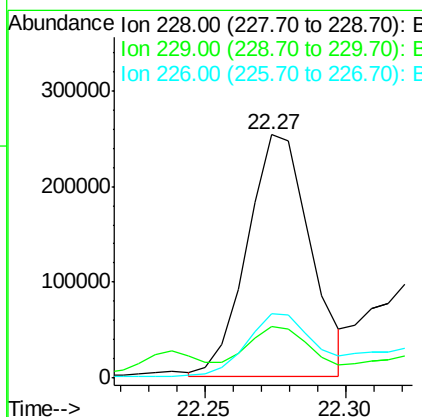
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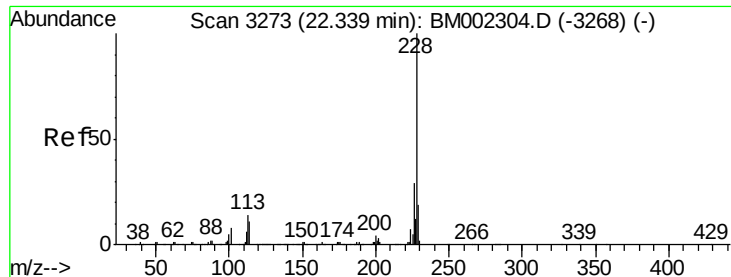
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#20
 Benzo(a)anthracene
 Concen: 5.89 ng/ul
 RT: 22.27 min Scan# 3262
 Delta R.T. -0.01 min
 Lab File: BM002298.D
 Acq: 09 Aug 2015 04:34

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	393574		
229	21.3	15.7	23.5	
226	26.3	21.4	32.0	





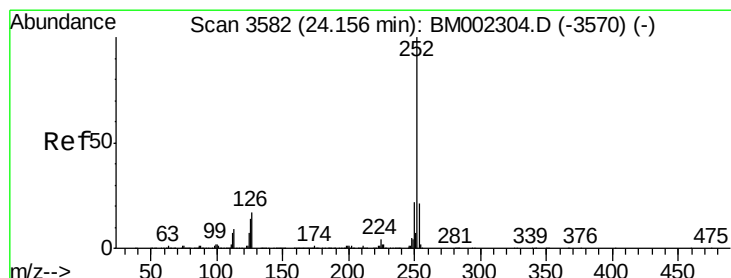
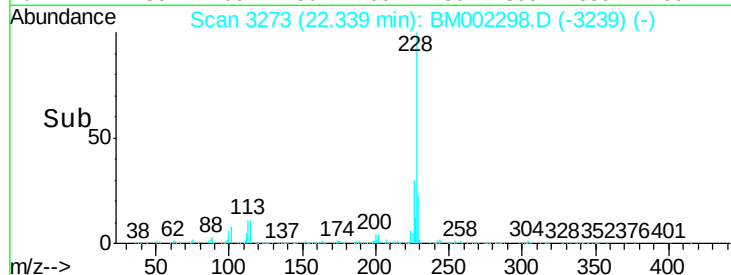
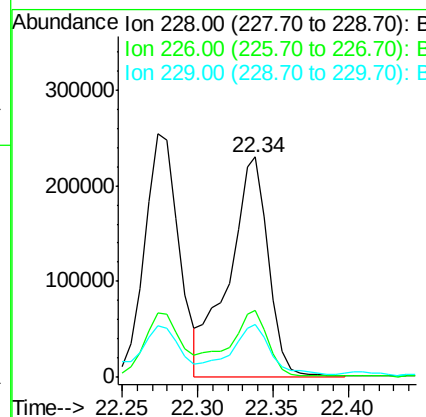
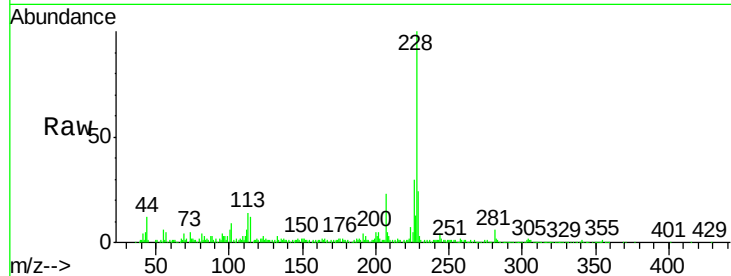
#21
Chrysene
 Concen: 6.72 ng/ul m
 RT: 22.34 min Scan# 3273
 Delta R.T. 0.00 min
 Lab File: BM002298.D
 Acq: 09 Aug 2015 04:34

Instrument :
 BNA_M
 ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
228	100	425043		
226	30.3	23.4	35.0	
229	23.8	15.5	23.3#	

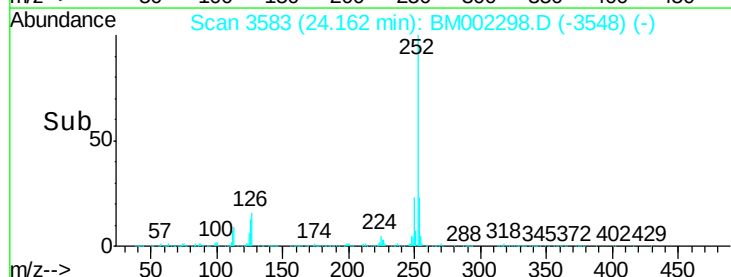
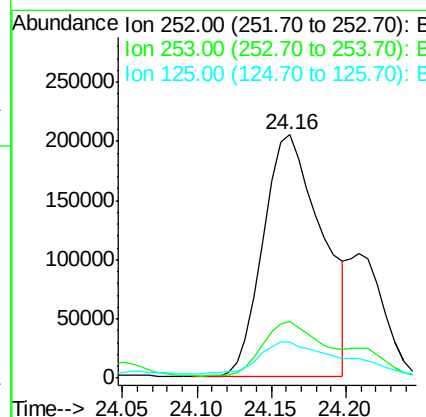
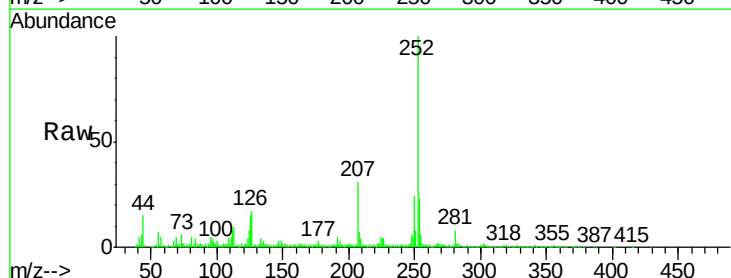
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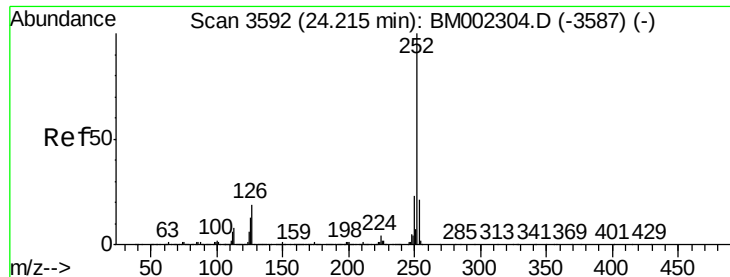
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#23
Benzo(b)fluoranthene
 Concen: 9.65 ng/ul
 RT: 24.16 min Scan# 3583
 Delta R.T. 0.01 min
 Lab File: BM002298.D
 Acq: 09 Aug 2015 04:34

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	563607		
253	23.4	17.9	26.9	
125	15.0	10.3	15.5	





#24

Benzo(k)fluoranthene

Concen: 3.13 ng/ul m

RT: 24.21 min Scan# 3591

Delta R.T. -0.01 min

Lab File: BM002298.D

Acq: 09 Aug 2015 04:34

Instrument :

BNA_M

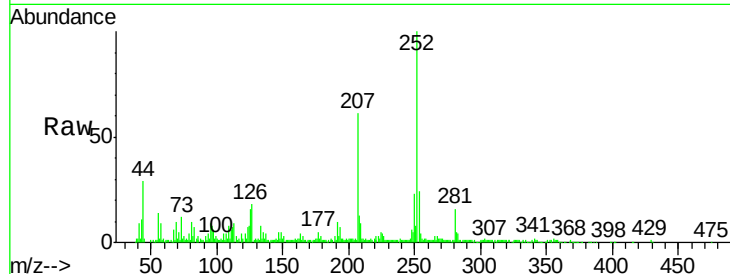
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D9C58RE

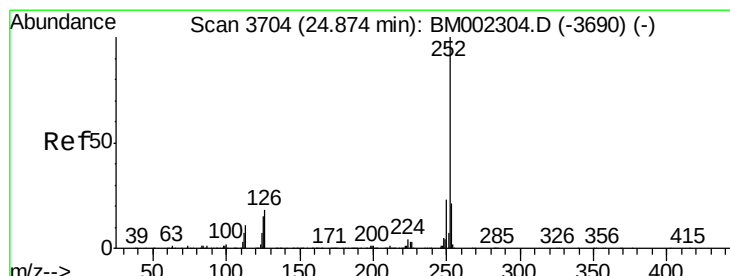
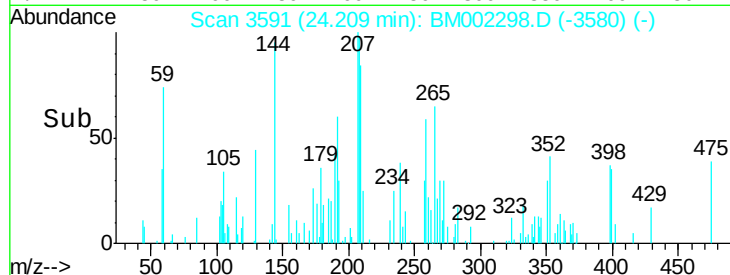
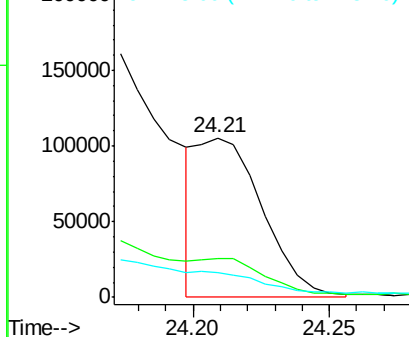
Tgt Ion:	252	Resp:	175616
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.3	25.9
125	15.8	10.2	15.4

Manual Integrations
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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



#26

Benzo(a)pyrene

Concen: 6.36 ng/ul

RT: 24.87 min Scan# 3704

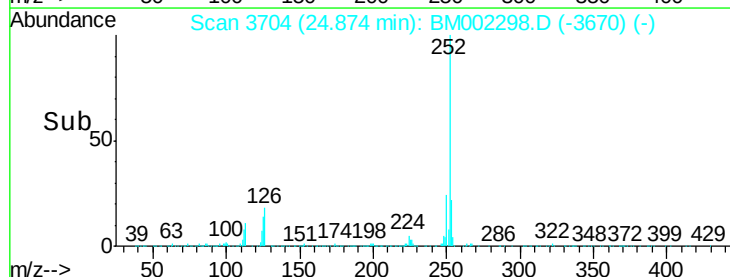
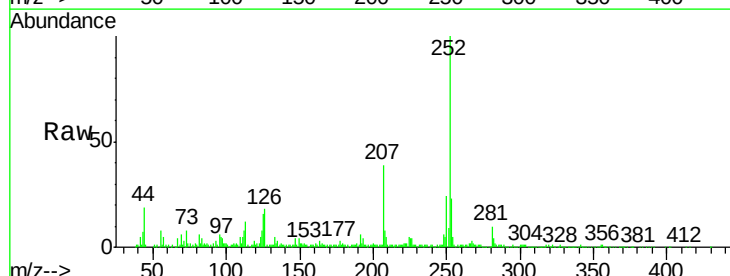
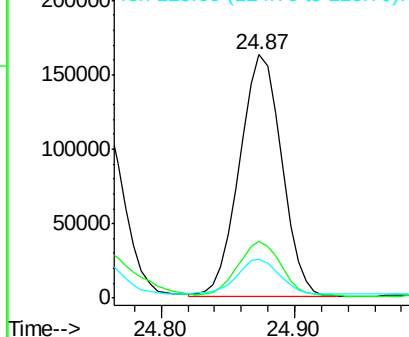
Delta R.T. 0.00 min

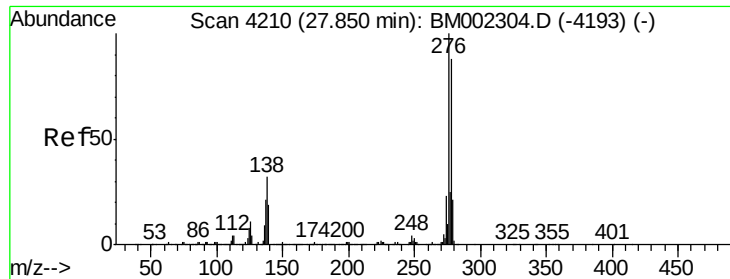
Lab File: BM002298.D

Acq: 09 Aug 2015 04:34

Tgt Ion:	252	Resp:	355482
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.3	25.9
125	16.0	11.0	16.6

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





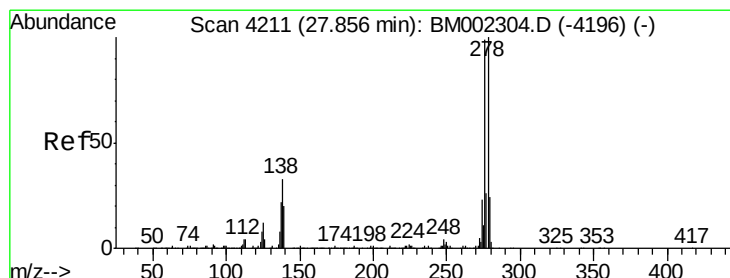
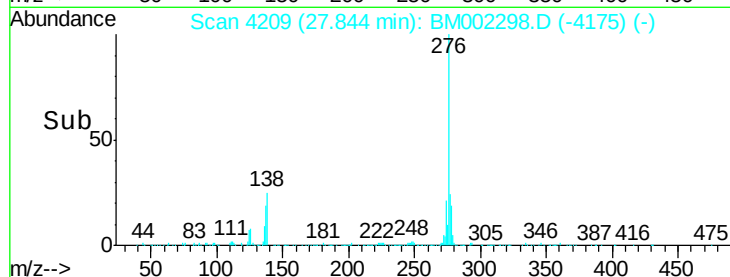
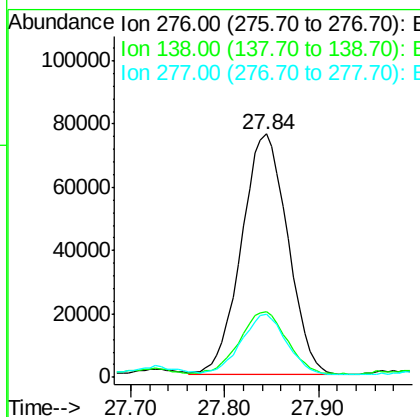
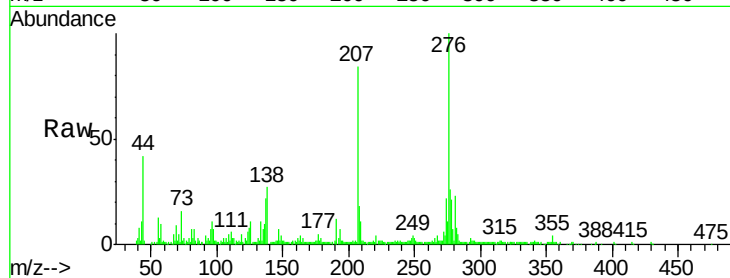
#27
 Indeno(1,2,3-cd)pyrene
 Concen: 4.04 ng/ul
 RT: 27.84 min Scan# 4209
 Delta R.T. 0.00 min
 Lab File: BM002298.D
 Acq: 09 Aug 2015 04:34

Instrument :
 BNA_M
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 D9C58RE

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.9	25.6	38.4
277	26.0	21.0	31.4

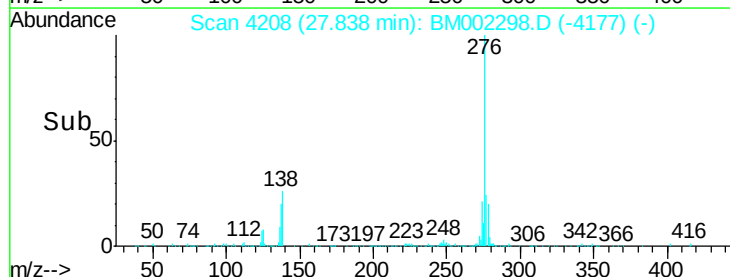
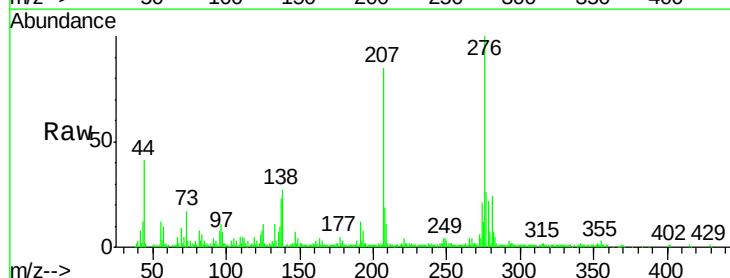
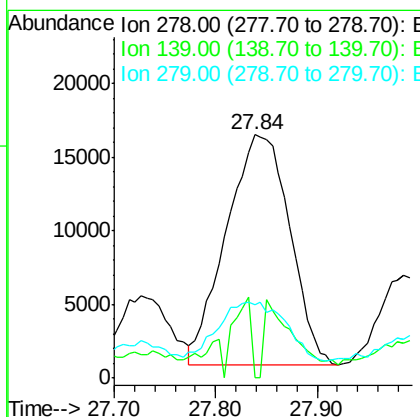
Manual Integrations
 APPROVED

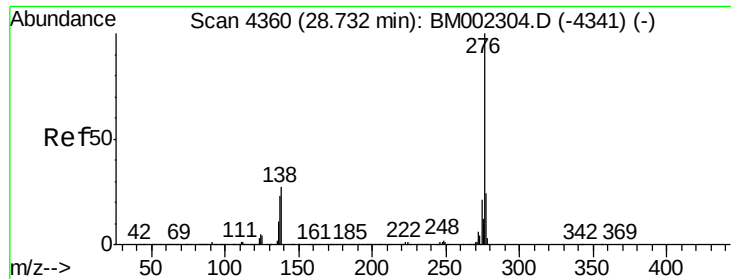
MMDadoda
 8/10/2015 7:15:41 PM



#28
 Dibenzo(a,h)anthracene
 Concen: 1.26 ng/ul
 RT: 27.84 min Scan# 4208
 Delta R.T. -0.02 min
 Lab File: BM002298.D
 Acq: 09 Aug 2015 04:34

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.4	24.6#
279	30.2	18.8	28.2#





#29

Benzo(g,h,i)perylene

Concen: 4.48 ng/ul

RT: 28.73 min Scan# 4360

Delta R.T. 0.01 min

Lab File: BM002298.D

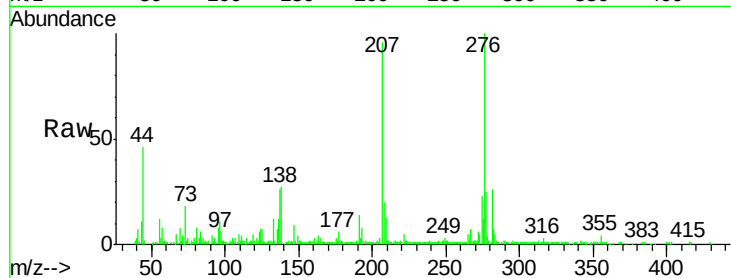
Acq: 09 Aug 2015 04:34

Instrument :

BNA_M

ClientSampleId :

D9C58RE



Tgt Ion:	276	Resp:	242076
Ion Ratio	Lower	Upper	
276	100		
138	27.1	20.5	30.7
277	24.7	19.0	28.6

Manual Integrations
APPROVED

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8/10/2015 7:15:41 PM

