

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080715\
 Data File : BM002285.D
 Acq On : 08 Aug 2015 20:42
 Operator : TP/UM
 Sample : G3161-12
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9C57

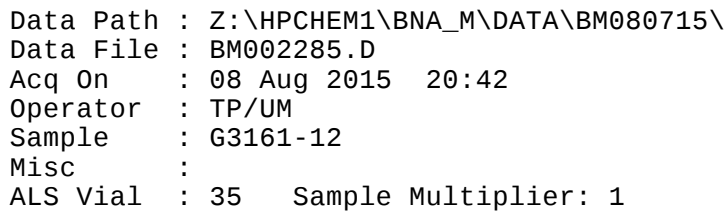
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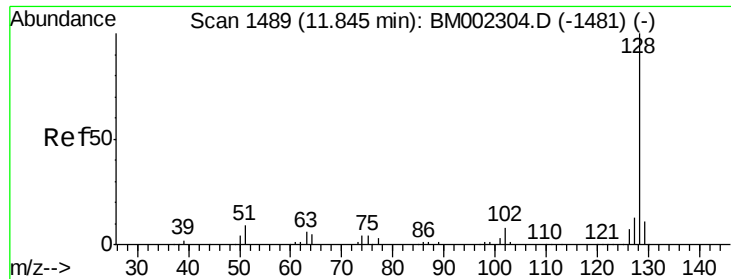
MMDadoda
 8/10/2015 7:16:06 PM

Quant Time: Aug 09 06:49:05 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	288198	20.00	ng/ul	0.00
2) Naphthalene-d8	11.80	136	1391241	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.50	164	730313	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.21	188	1437839	20.00	ng/ul	0.00
17) Chrysene-d12	22.30	240	1123041	20.00	ng/ul	0.00
22) Perylene-d12	24.99	264	940730	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	15.20	160	2216447	29.30	ng/ul	0.00
10) Fluorene-d10	16.47	176	1435138	27.28	ng/ul	0.00
14) Anthracene-d10	18.31	188	2040946	29.25	ng/ul	0.00
18) Pyrene-d10	20.53	212	1894502	34.78	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.82	264	1464029	29.31	ng/ul	0.00
Target Compounds						
3) Naphthalene	11.85	128	550186	7.51	ng/ul	Qvalue 99
4) 2-Methylnaphthalene	13.39	142	190133	3.63	ng/ul	100
5) 1-Methylnaphthalene	13.60	142	144410	2.80	ng/ul	99
9) Acenaphthene	15.56	153	449778	8.51	ng/ul	98
11) Fluorene	16.53	166	524097	8.81	ng/ul	99
13) Phenanthrene	18.26	178	6601738	79.77	ng/ul	97
15) Anthracene	18.34	178	1745166	20.42	ng/ul	99
16) Fluoranthene	20.20	202	6670469	72.80	ng/ul#	92
19) Pyrene	20.56	202	5454712	75.13	ng/ul	95
20) Benzo(a)anthracene	22.28	228	2244362	32.74	ng/ul	99
21) Chrysene	22.34	228	1958584	30.15	ng/ul	97
23) Benzo(b)fluoranthene	24.16	252	2234366	38.21	ng/ul	98
24) Benzo(k)fluoranthene	24.21	252	719563m	12.81	ng/ul	
26) Benzo(a)pyrene	24.88	252	1515939	27.10	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	27.84	276	1013461	15.80	ng/ul	94
28) Dibenzo(a,h)anthracene	27.84	278	245124	4.51	ng/ul#	77
29) Benzo(g,h,i)perylene	28.73	276	1006949	18.61	ng/ul	98

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





#3

Naphthalene

Concen: 7.51 ng/ul

RT: 11.85 min Scan# 1489

Delta R.T. 0.00 min

Lab File: BM002285.D

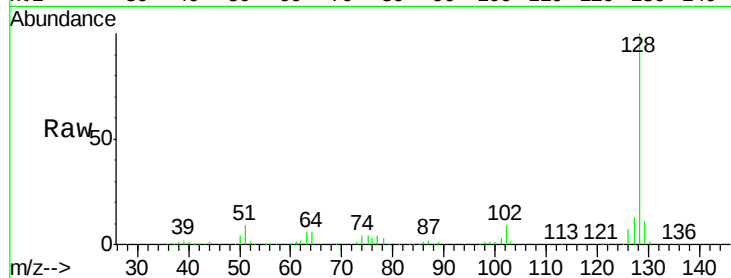
Acq: 08 Aug 2015 20:42

Instrument :

BNA_M

ClientSampleId :

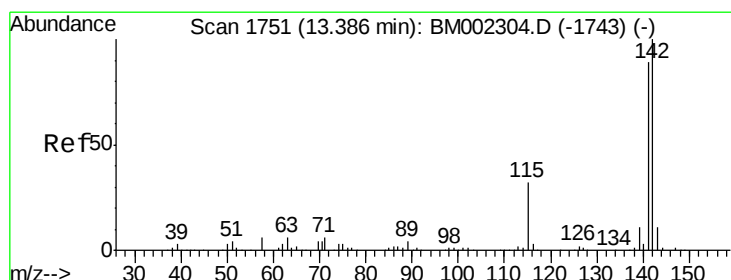
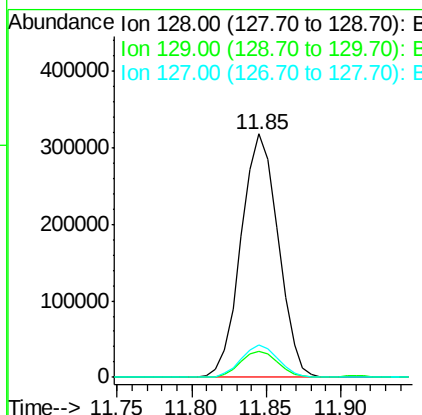
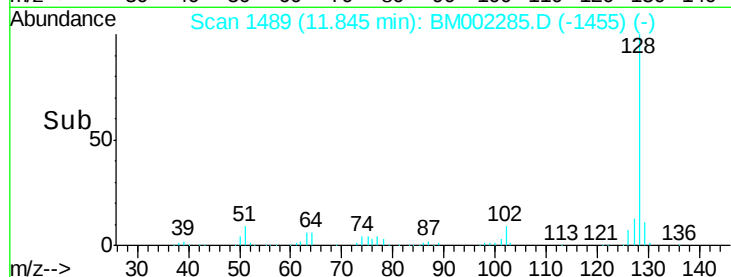
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Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	12.8
127	13.2	10.4	15.6

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#4

2-Methylnaphthalene

Concen: 3.63 ng/ul

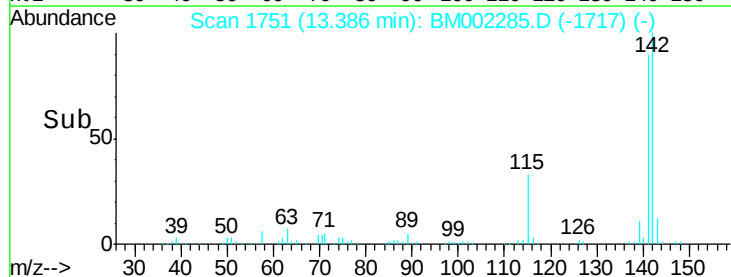
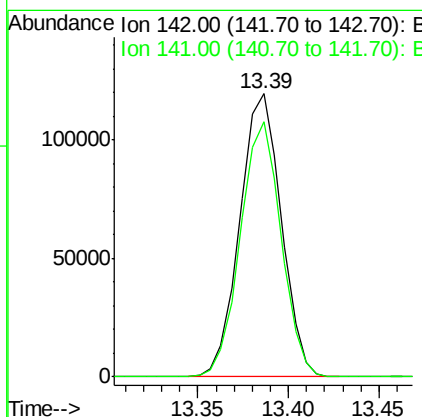
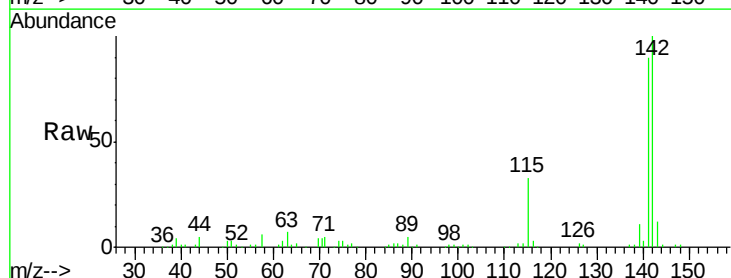
RT: 13.39 min Scan# 1751

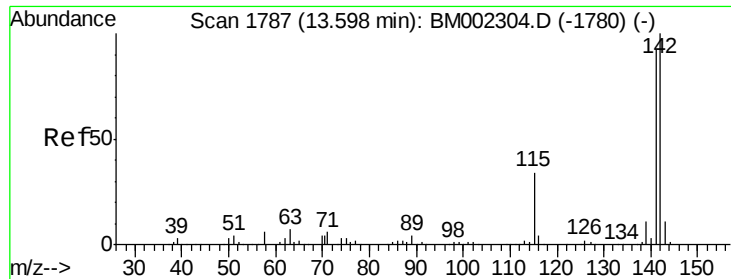
Delta R.T. 0.00 min

Lab File: BM002285.D

Acq: 08 Aug 2015 20:42

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.3	72.5	108.7





#5

1-Methylnaphthalene

Concen: 2.80 ng/ul

RT: 13.60 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BM002285.D

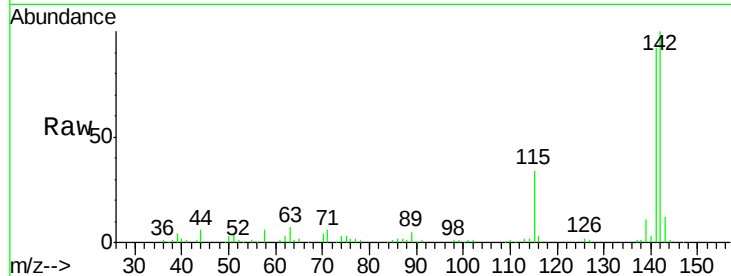
Acq: 08 Aug 2015 20:42

Instrument :

BNA_M

ClientSampleId :

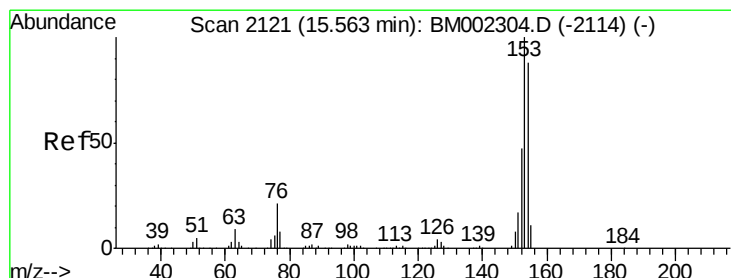
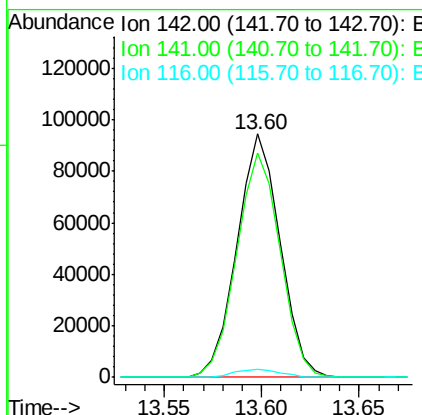
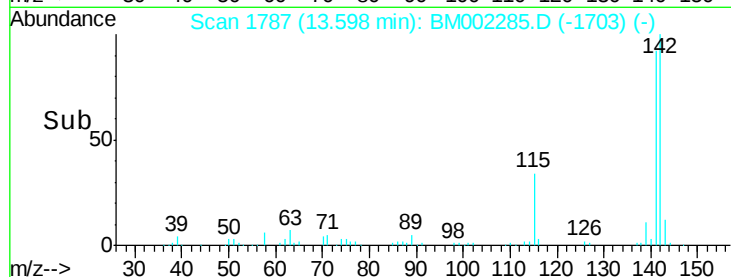
D9C57



Tgt Ion:	142	Resp:	144410
Ion Ratio	Lower	Upper	
142	100		
141	92.1	74.5	111.7
116	3.4	3.0	4.4

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#9

Acenaphthene

Concen: 8.51 ng/ul

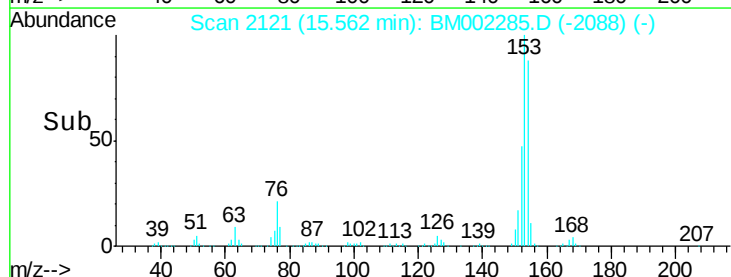
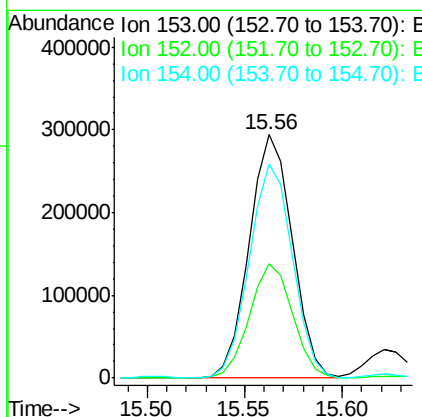
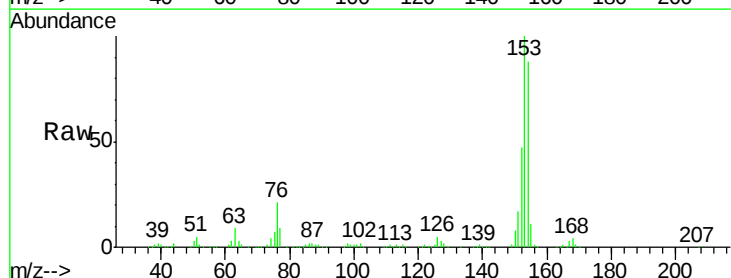
RT: 15.56 min Scan# 2121

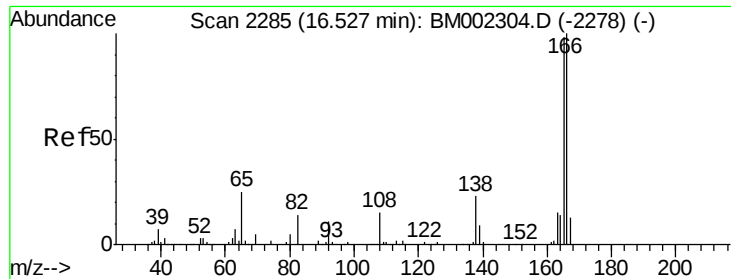
Delta R.T. -0.01 min

Lab File: BM002285.D

Acq: 08 Aug 2015 20:42

Tgt Ion:	153	Resp:	449778
Ion Ratio	Lower	Upper	
153	100		
152	47.2	36.6	55.0
154	88.1	71.5	107.3





#11

Fluorene

Concen: 8.81 ng/ul

RT: 16.53 min Scan# 2285

Delta R.T. 0.00 min

Lab File: BM002285.D

Acq: 08 Aug 2015 20:42

Instrument :

BNA_M

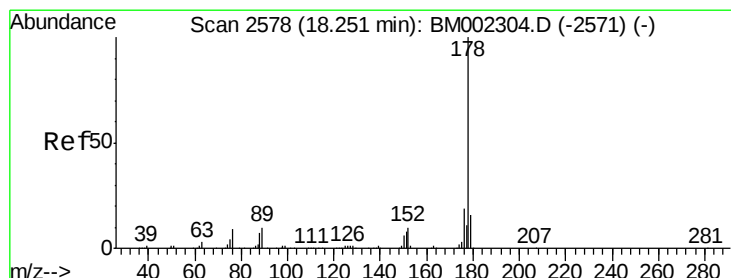
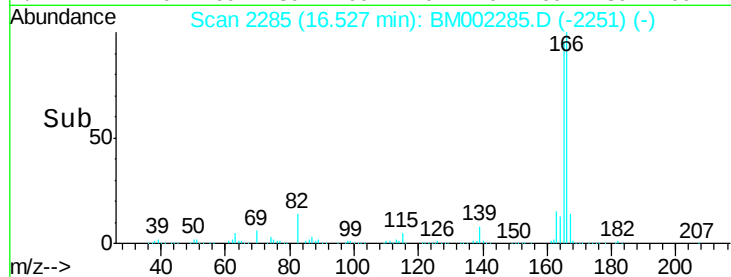
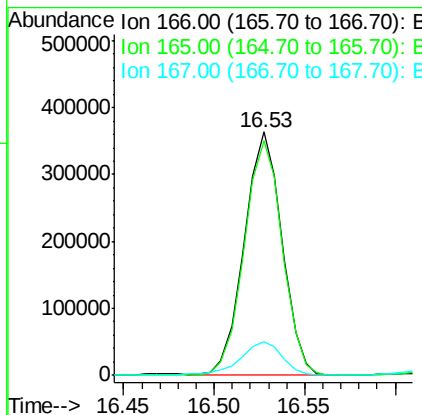
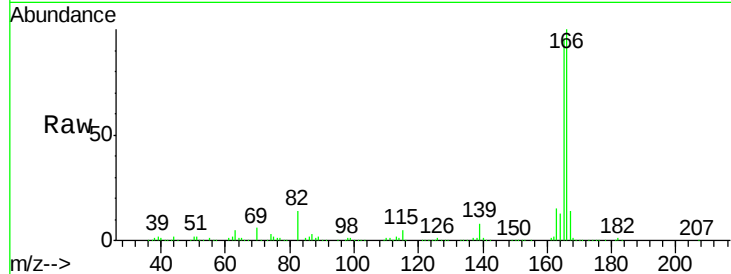
ClientSampleId :

D9C57

Tgt Ion:	166	Resp:	524097
Ion Ratio		Lower	Upper
166	100		
165	96.3	77.5	116.3
167	13.9	10.4	15.6

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#13

Phenanthrene

Concen: 79.77 ng/ul

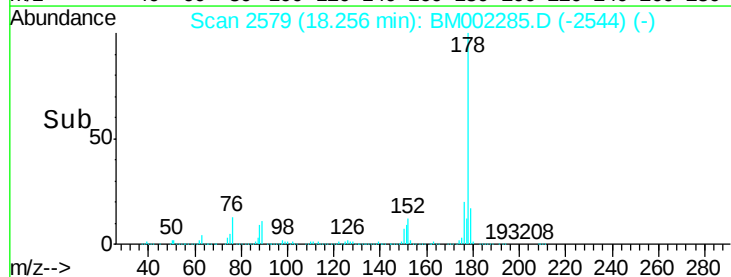
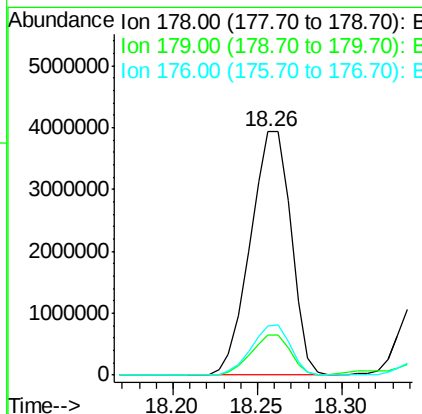
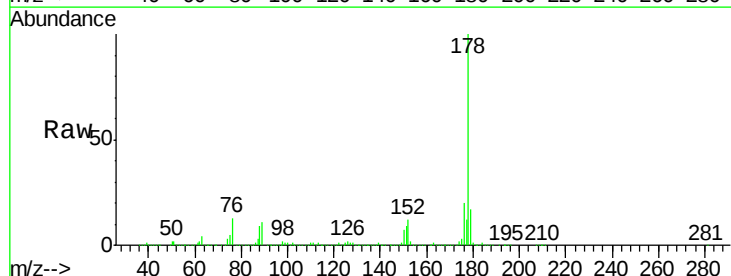
RT: 18.26 min Scan# 2579

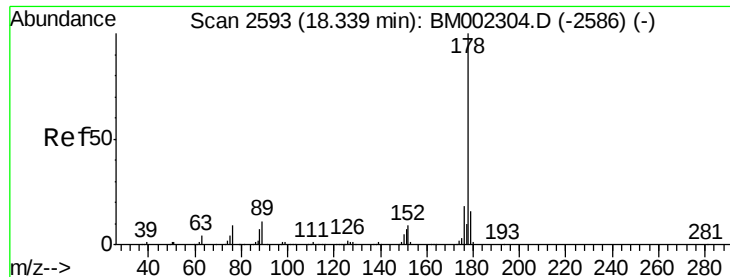
Delta R.T. 0.01 min

Lab File: BM002285.D

Acq: 08 Aug 2015 20:42

Tgt Ion:	178	Resp:	6601738
Ion Ratio		Lower	Upper
178	100		
179	16.6	12.3	18.5
176	20.4	15.3	22.9





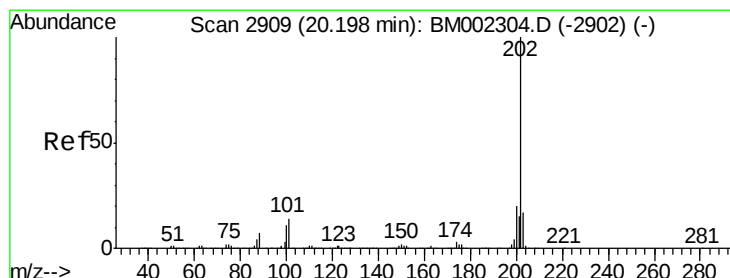
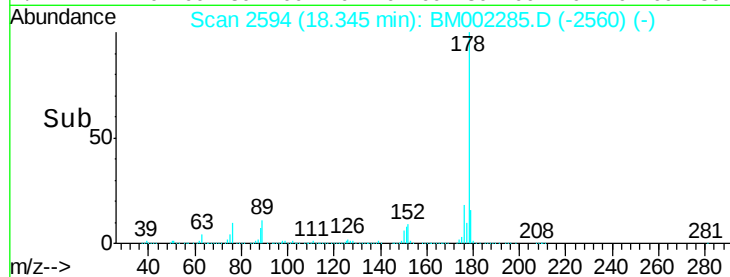
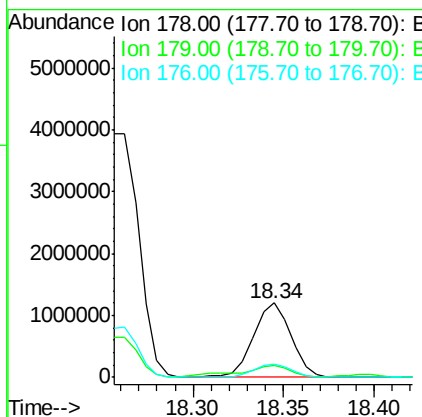
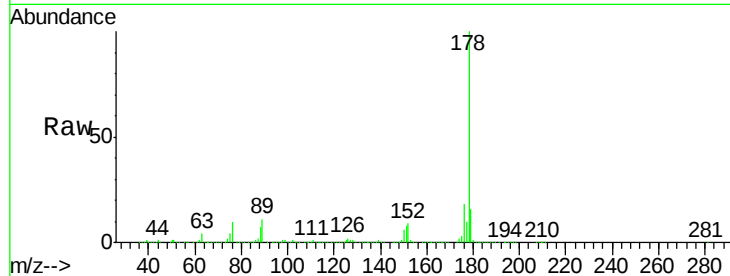
#15
 Anthracene
 Concen: 20.42 ng/ul
 RT: 18.34 min Scan# 2594
 Delta R.T. 0.00 min
 Lab File: BM002285.D
 Acq: 08 Aug 2015 20:42

Instrument :
 BNA_M
 ClientSampleId :
 D9C57

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.5
176	18.4	14.5	21.7

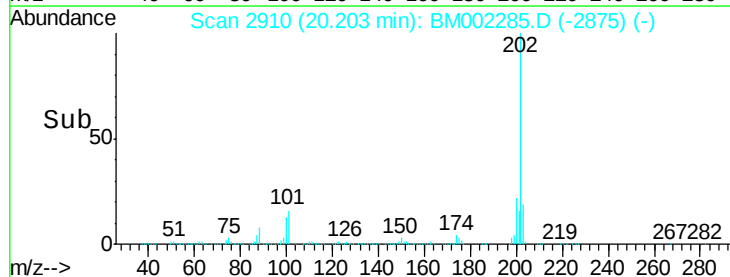
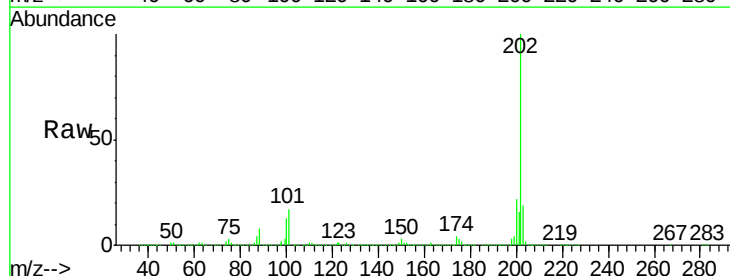
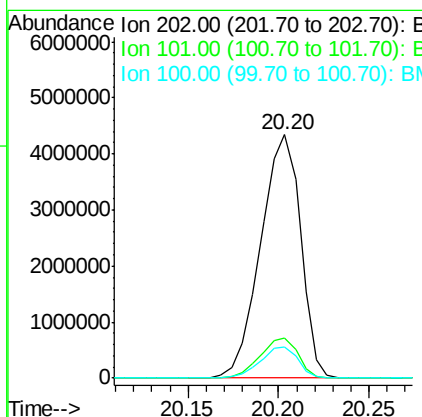
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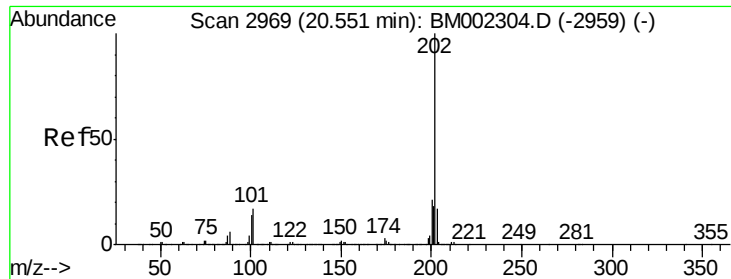
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#16
 Fluoranthene
 Concen: 72.80 ng/ul
 RT: 20.20 min Scan# 2910
 Delta R.T. 0.01 min
 Lab File: BM002285.D
 Acq: 08 Aug 2015 20:42

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.5	10.6	15.8#
100	12.8	8.2	12.4#





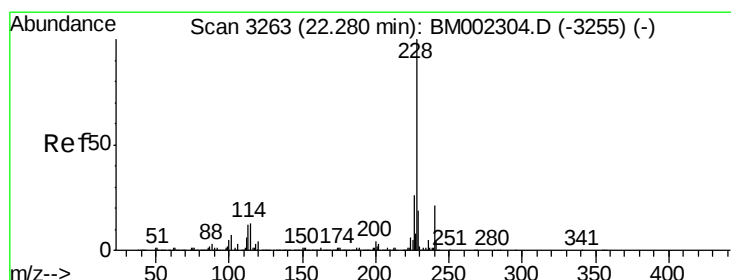
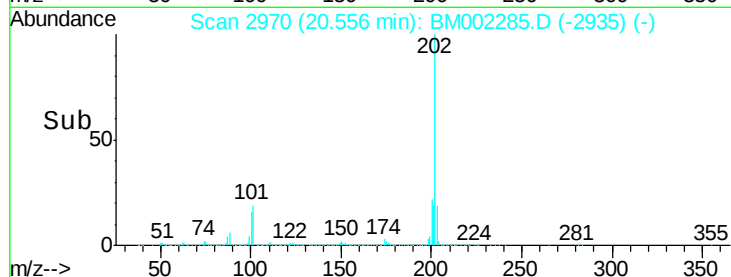
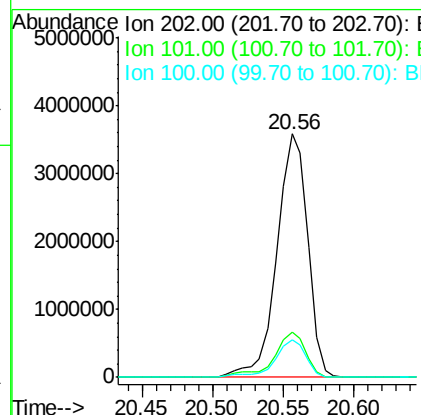
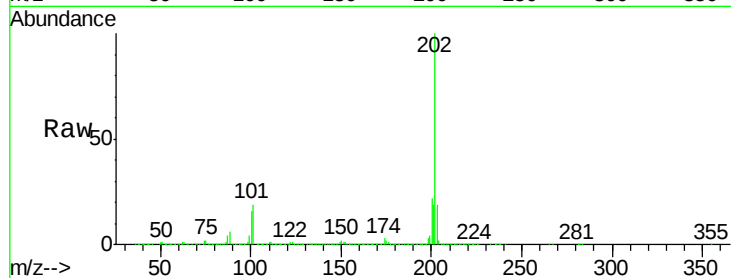
#19
 Pyrene
 Concen: 75.13 ng/ul
 RT: 20.56 min Scan# 2970
 Delta R.T. 0.01 min
 Lab File: BM002285.D
 Acq: 08 Aug 2015 20:42

Instrument :
 BNA_M
 ClientSampleId :
 D9C57

Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.8	13.0	19.6
100	15.7	11.0	16.4

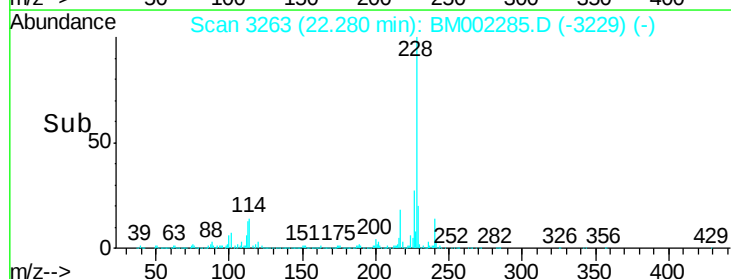
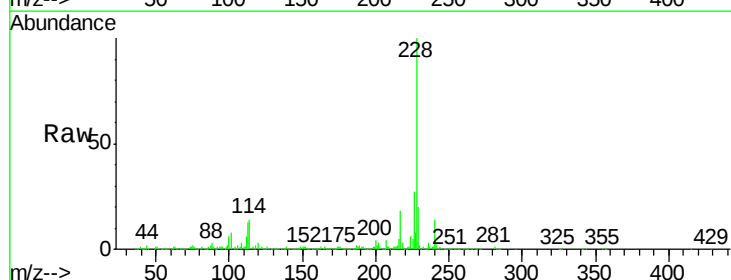
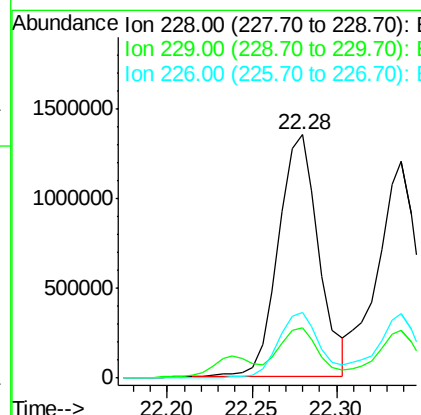
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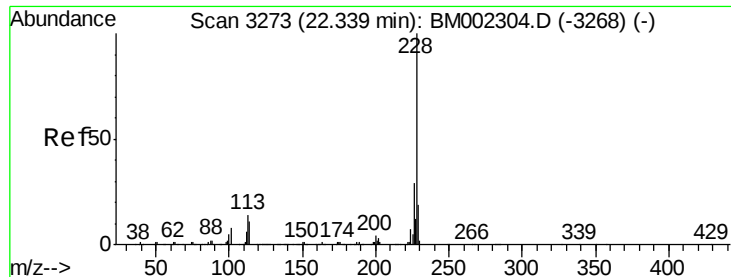
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#20
 Benzo(a)anthracene
 Concen: 32.74 ng/ul
 RT: 22.28 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: BM002285.D
 Acq: 08 Aug 2015 20:42

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.4	15.7	23.5
226	27.1	21.4	32.0





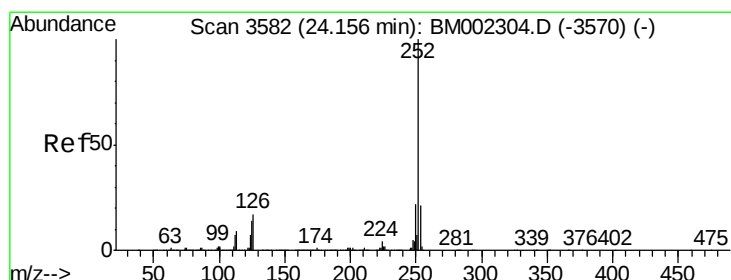
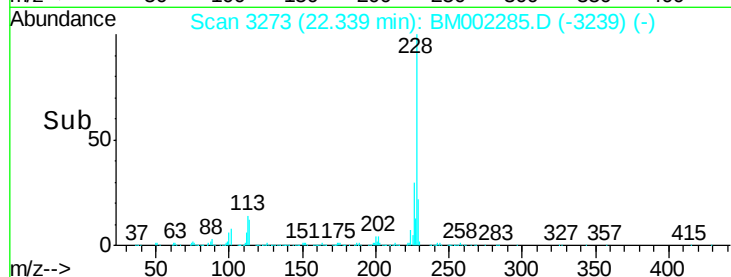
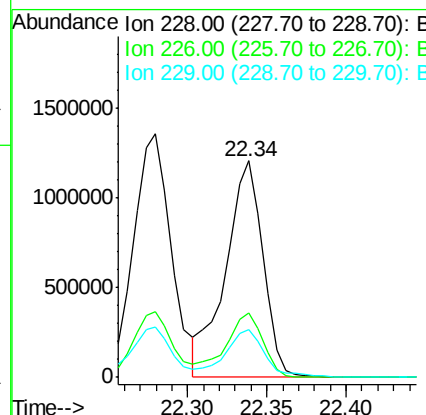
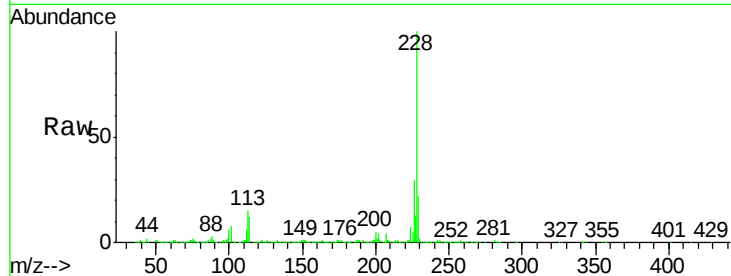
#21
Chrysene
Concen: 30.15 ng/ul
RT: 22.34 min Scan# 3273
Delta R.T. 0.00 min
Lab File: BM002285.D
Acq: 08 Aug 2015 20:42

Instrument :
BNA_M
ClientSampleId :
D9C57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.4	35.0
229	22.2	15.5	23.3

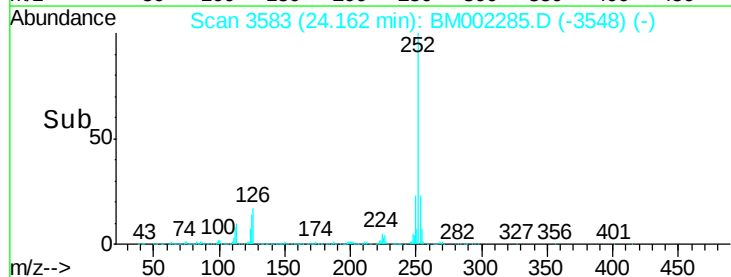
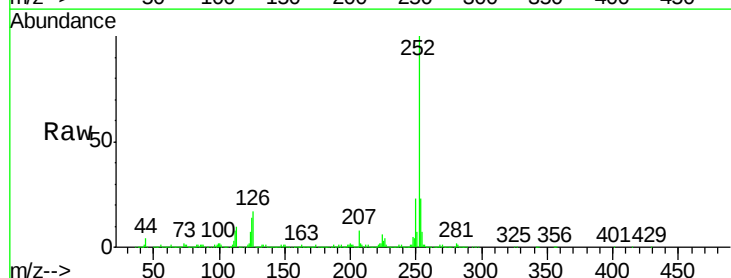
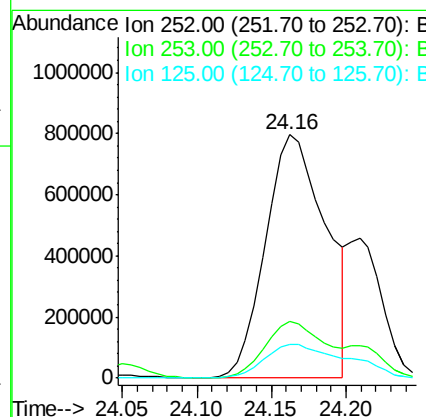
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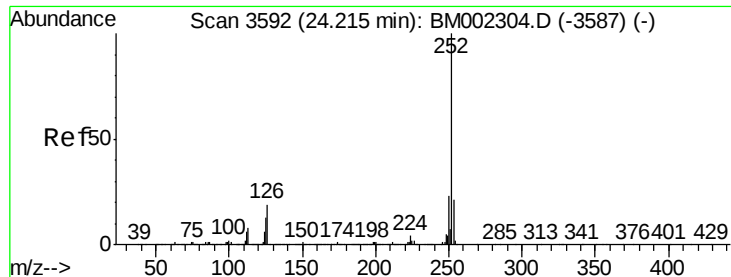
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8/10/2015 7:16:06 PM



#23
Benzo(b)fluoranthene
Concen: 38.21 ng/ul
RT: 24.16 min Scan# 3583
Delta R.T. 0.01 min
Lab File: BM002285.D
Acq: 08 Aug 2015 20:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	14.0	10.3	15.5





#24

Benzo(k)fluoranthene

Concen: 12.81 ng/ul m

RT: 24.21 min Scan# 3591

Delta R.T. -0.01 min

Lab File: BM002285.D

Acq: 08 Aug 2015 20:42

Instrument :

BNA_M

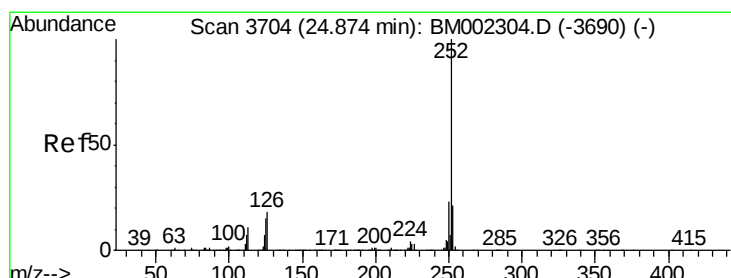
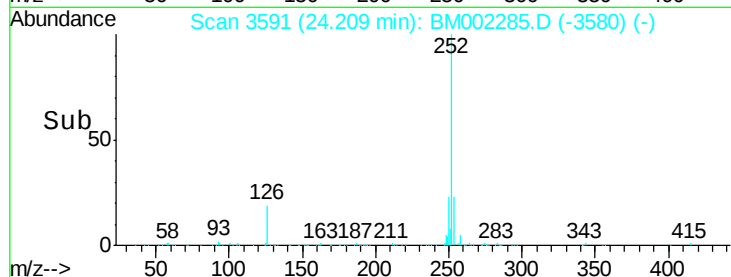
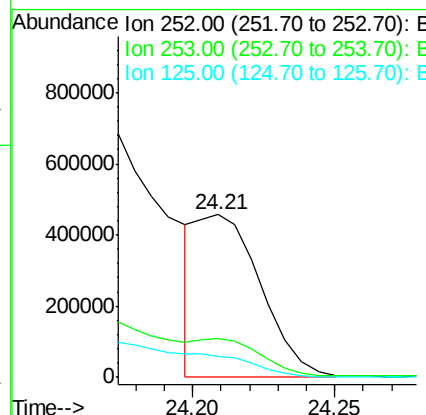
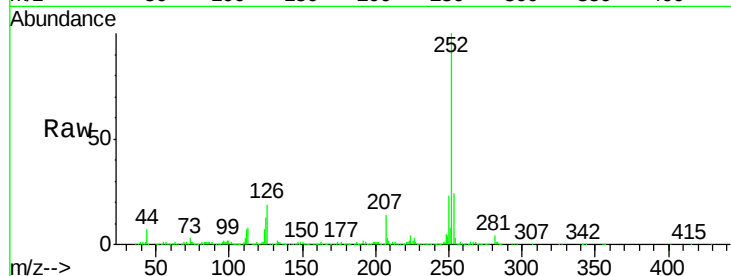
ClientSampleId :

D9C57

Tgt Ion:	252	Resp:	719563
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.3	25.9
125	12.9	10.2	15.4

Manual Integrations
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#26

Benzo(a)pyrene

Concen: 27.10 ng/ul

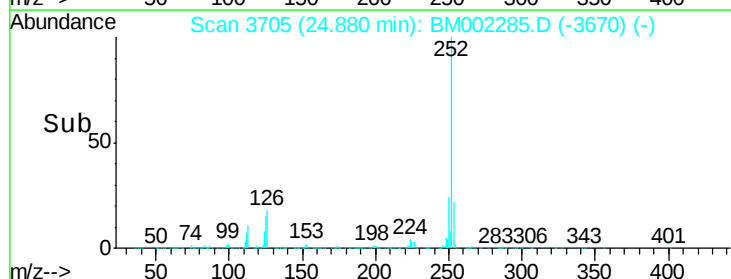
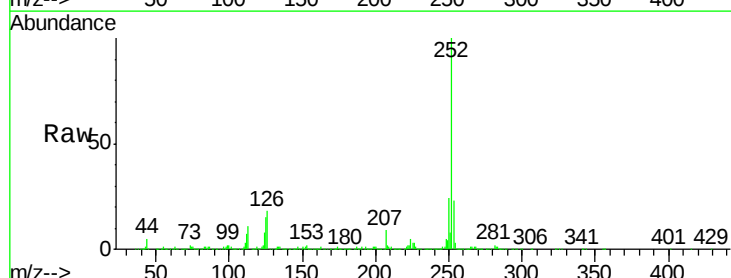
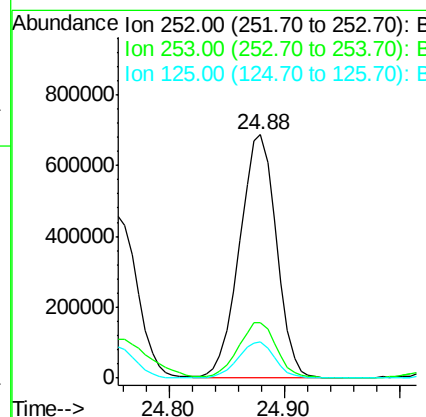
RT: 24.88 min Scan# 3705

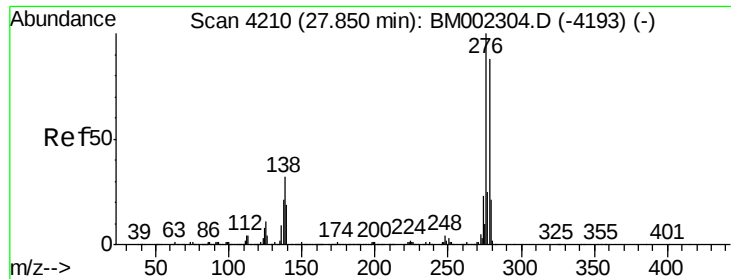
Delta R.T. 0.01 min

Lab File: BM002285.D

Acq: 08 Aug 2015 20:42

Tgt Ion:	252	Resp:	1515939
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.3	25.9
125	15.1	11.0	16.6





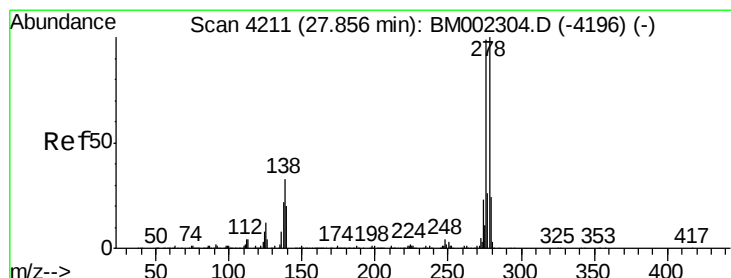
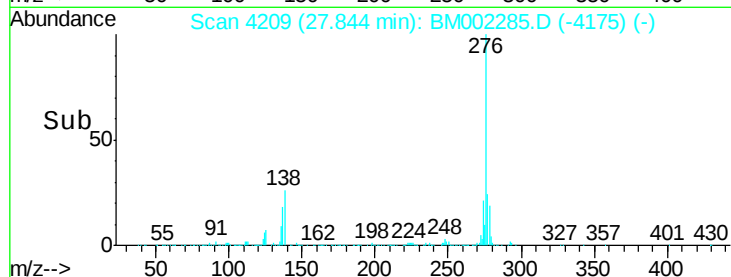
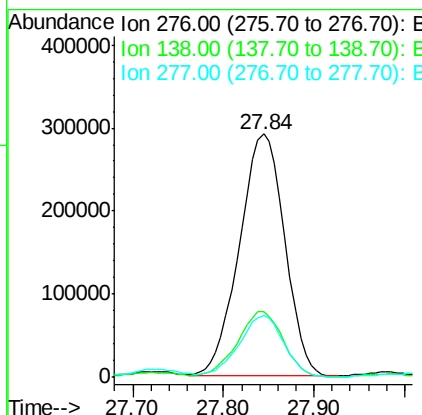
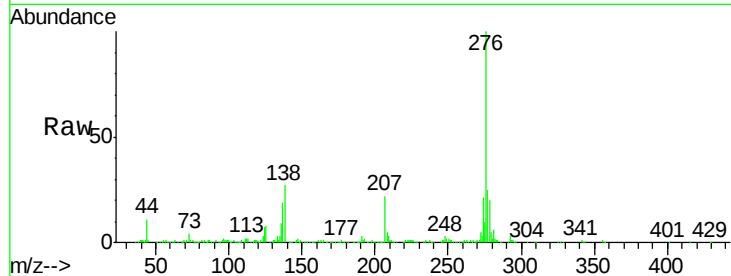
#27
 Indeno(1,2,3-cd)pyrene
 Concen: 15.80 ng/ul
 RT: 27.84 min Scan# 4209
 Delta R.T. 0.00 min
 Lab File: BM002285.D
 Acq: 08 Aug 2015 20:42

Instrument :
 BNA_M
 ClientSampleId :
 D9C57

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.9	25.6	38.4
277	25.3	21.0	31.4

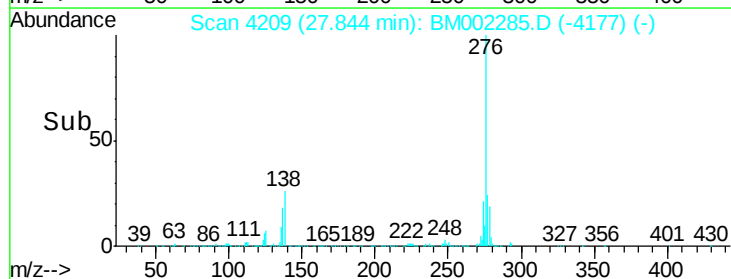
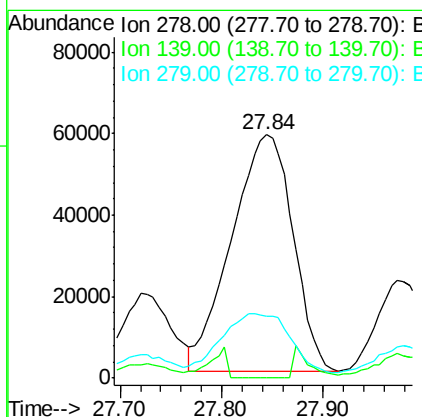
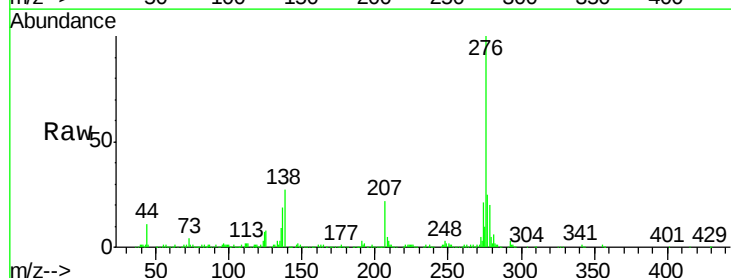
Manual Integrations
 APPROVED

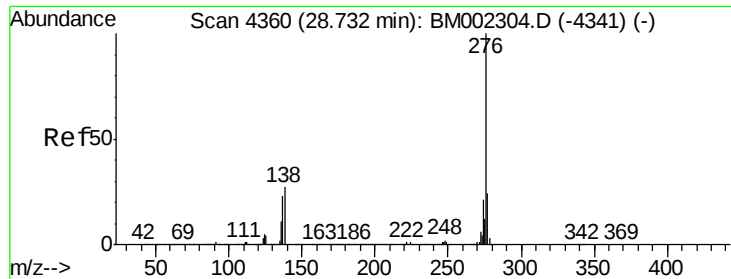
MMDadoda
 8/10/2015 7:16:06 PM



#28
 Dibenzo(a,h)anthracene
 Concen: 4.51 ng/ul
 RT: 27.84 min Scan# 4209
 Delta R.T. -0.01 min
 Lab File: BM002285.D
 Acq: 08 Aug 2015 20:42

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.4	24.6#
279	25.4	18.8	28.2





#29

Benzo(g,h,i)perylene

Concen: 18.61 ng/ul

RT: 28.73 min Scan# 4360

Delta R.T. 0.01 min

Lab File: BM002285.D

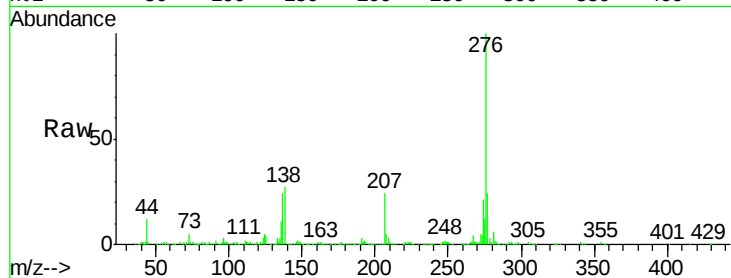
Acq: 08 Aug 2015 20:42

Instrument :

BNA_M

ClientSampleId :

D9C57



Tgt Ion: 276 Resp: 1006949

Ion Ratio Lower Upper

276 100

138 27.2 20.5 30.7

277 23.8 19.0 28.6

Manual Integrations
APPROVED

MMDadoda
8/10/2015 7:16:06 PM

