

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081715\
 Data File : BM002449.D
 Acq On : 17 Aug 2015 13:06
 Operator : UM/IZ
 Sample : G3219-05DL 25X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9D98DL

Manual Integrations
 APPROVED

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 8/18/2015 5:15:15 PM

Quant Time: Aug 18 02:14:33 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 18 01:54:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	117747	20.00	ng/ul	0.00
2) Naphthalene-d8	11.74	136	556366	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.45	164	300385	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.16	188	614569	20.00	ng/ul	0.00
17) Chrysene-d12	22.24	240	455108	20.00	ng/ul	0.00
22) Perylene-d12	24.91	264	390862	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	15.16	160	43715	1.42	ng/ul	0.00
10) Fluorene-d10	16.42	176	31284	1.45	ng/ul	0.00
14) Anthracene-d10	18.26	188	44368	1.50	ng/ul	0.00
18) Pyrene-d10	20.47	212	36299	1.80	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.73	264	22332	1.09	ng/ul	0.00
Target Compounds						
3) Naphthalene	11.79	128	53876	1.90	ng/ul	Qvalue 99
9) Acenaphthene	15.52	153	67338	3.18	ng/ul	99
11) Fluorene	16.47	166	69728	2.87	ng/ul	99
13) Phenanthrene	18.20	178	1181790	33.30	ng/ul	100
15) Anthracene	18.29	178	189105	5.26	ng/ul	100
16) Fluoranthene	20.14	202	1571837	39.12	ng/ul	98
19) Pyrene	20.50	202	1179925	44.26	ng/ul	99
20) Benzo(a)anthracene	22.22	228	435244	15.99	ng/ul	99
21) Chrysene	22.28	228	408931	16.06	ng/ul	98
23) Benzo(b)fluoranthene	24.08	252	507090	21.46	ng/ul	97
24) Benzo(k)fluoranthene	24.13	252	172308m	7.69	ng/ul	
26) Benzo(a)pyrene	24.79	252	319664	14.16	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	27.73	276	238346	9.18	ng/ul	94
28) Dibenzo(a,h)anthracene	27.73	278	58584	2.70	ng/ul#	77
29) Benzo(g,h,i)perylene	28.61	276	218349	10.11	ng/ul	99

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

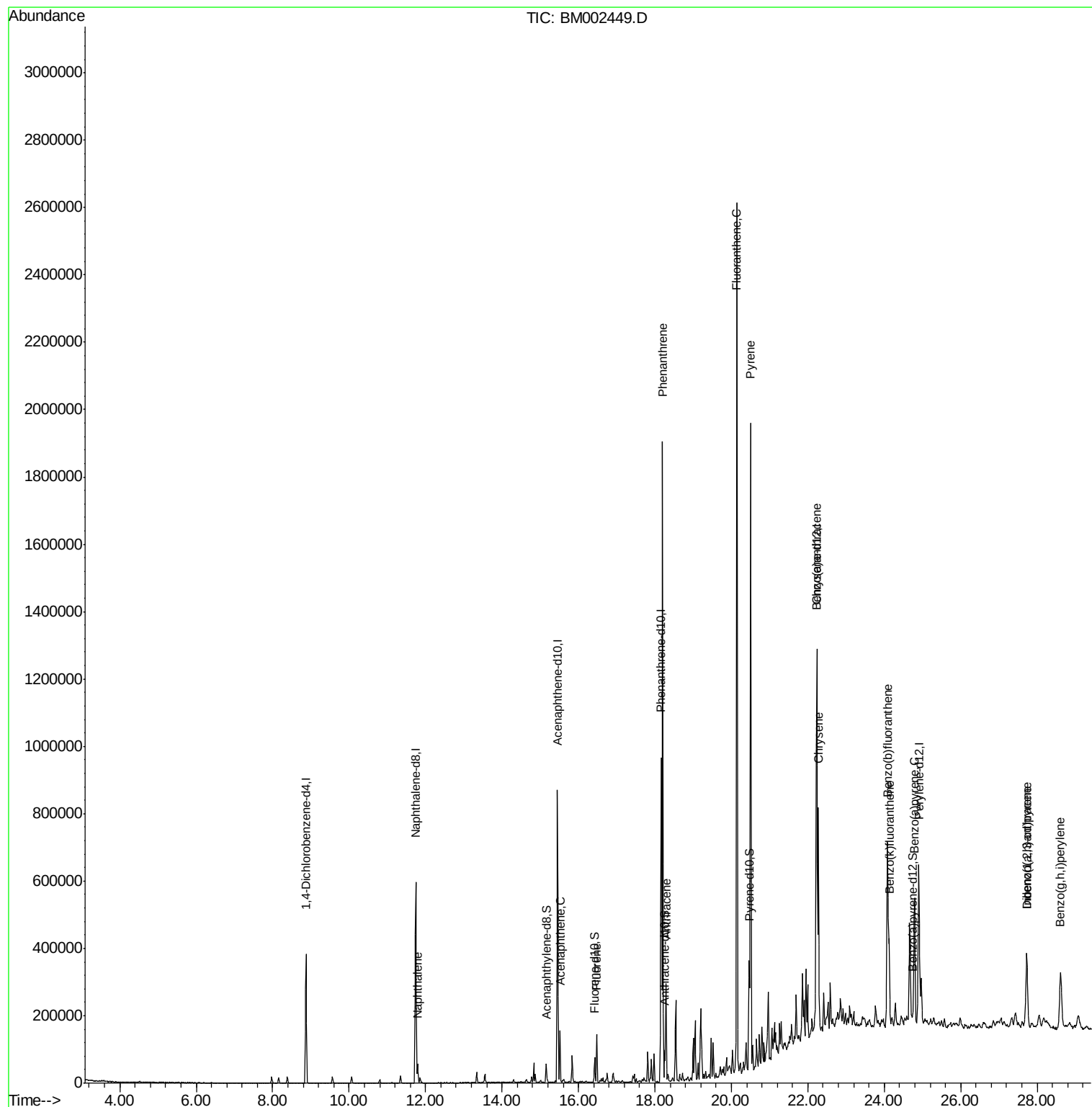
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081715\
Data File : BM002449.D
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ALS Vial : 6 Sample Multiplier: 1

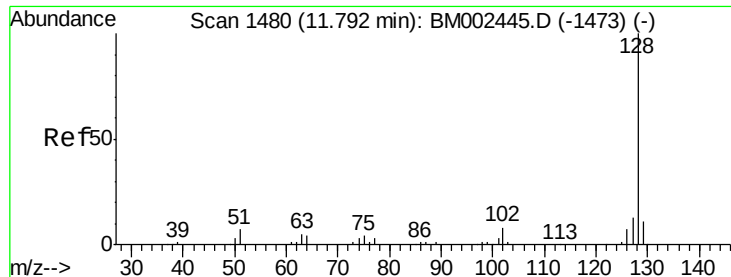
Instrument :
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Quant Time: Aug 18 02:14:33 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 18 01:54:16 2015
Response via : Initial Calibration





#3

Naphthalene

Concen: 1.90 ng/ul

RT: 11.79 min Scan# 1480

Delta R.T. 0.00 min

Lab File: BM002449.D

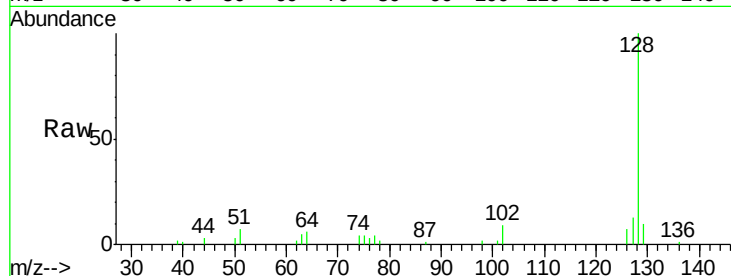
Acq: 17 Aug 2015 13:06

Instrument :

BNA_M

ClientSampleId :

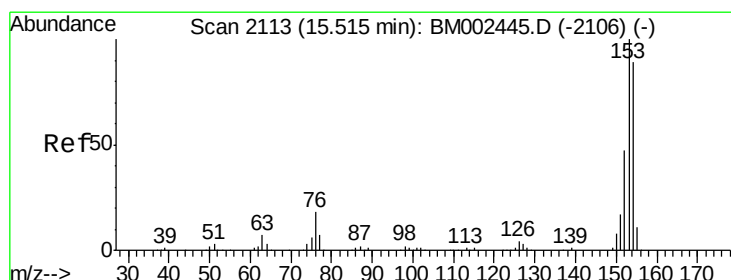
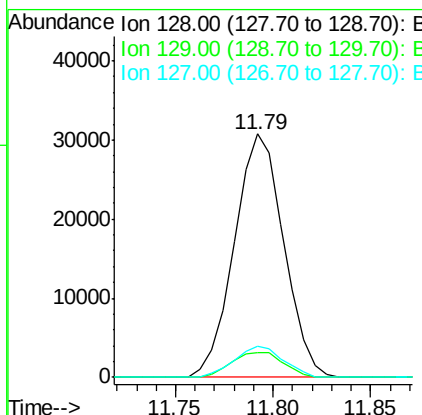
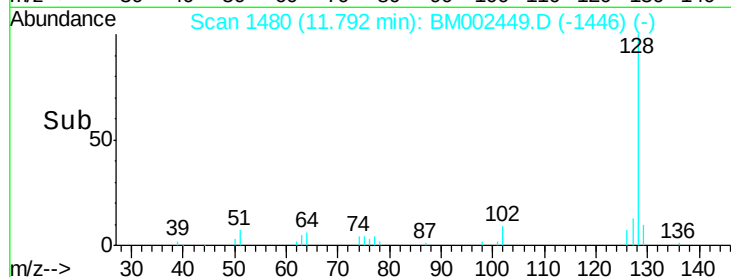
D9D98DL



Tgt Ion:	128	Resp:	53876
Ion Ratio	Lower	Upper	
128	100		
129	10.4	8.6	12.8
127	12.6	10.4	15.6

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#9

Acenaphthene

Concen: 3.18 ng/ul

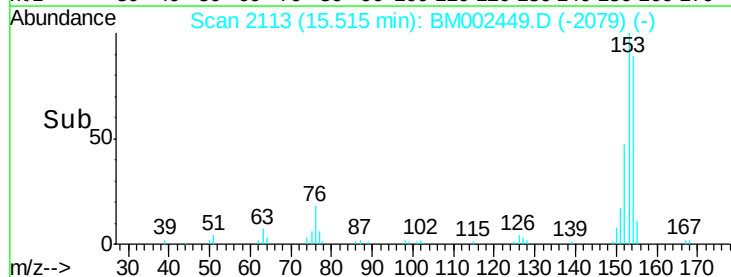
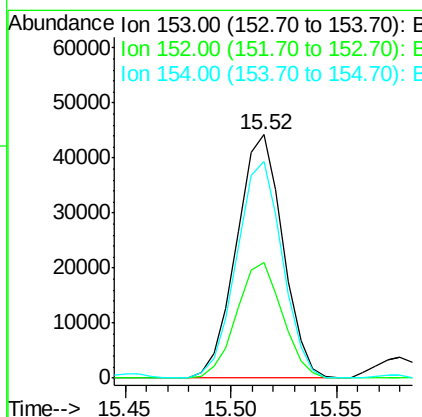
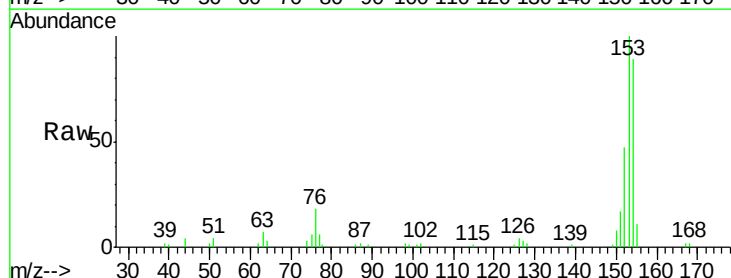
RT: 15.52 min Scan# 2113

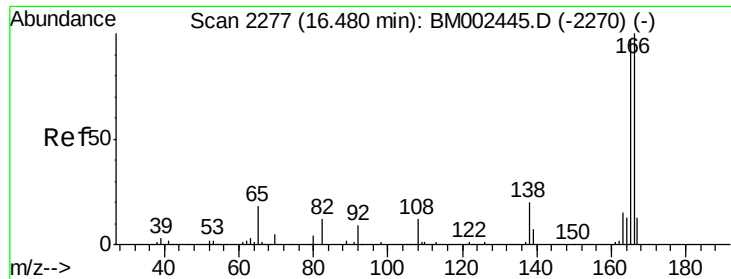
Delta R.T. 0.00 min

Lab File: BM002449.D

Acq: 17 Aug 2015 13:06

Tgt Ion:	153	Resp:	67338
Ion Ratio	Lower	Upper	
153	100		
152	47.3	36.9	55.3
154	88.8	71.3	106.9





#11

Fluorene

Concen: 2.87 ng/ul

RT: 16.47 min Scan# 2276

Delta R.T. -0.01 min

Lab File: BM002449.D

Acq: 17 Aug 2015 13:06

Instrument :

BNA_M

ClientSampleId :

D9D98DL

Tgt Ion:166 Resp: 69728

Ion Ratio Lower Upper

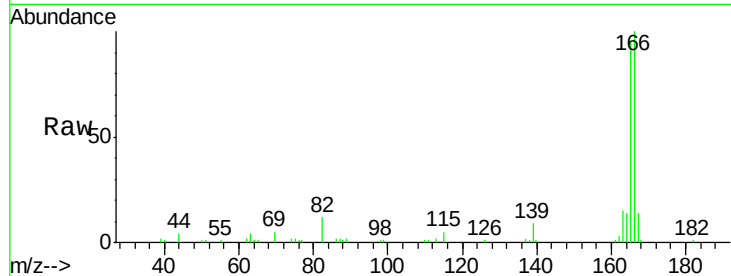
166 100

165 96.2 77.6 116.4

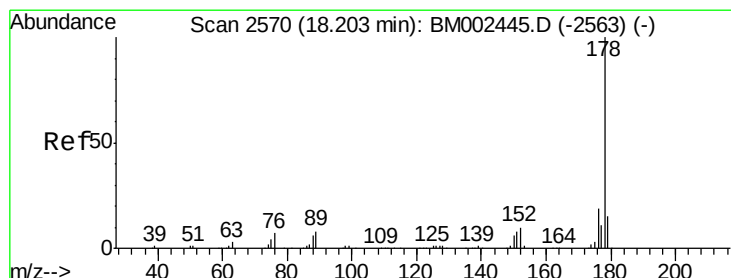
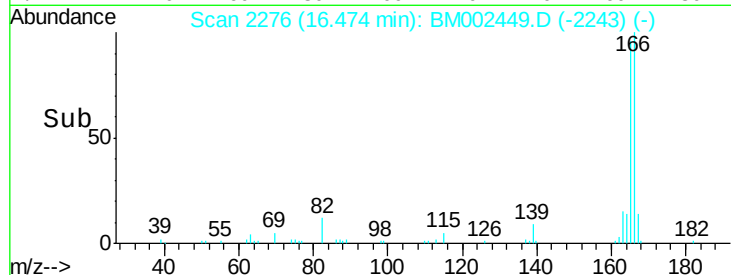
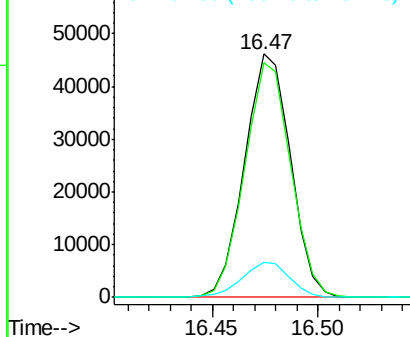
167 14.1 10.7 16.1

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Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#13

Phenanthrene

Concen: 33.30 ng/ul

RT: 18.20 min Scan# 2570

Delta R.T. 0.00 min

Lab File: BM002449.D

Acq: 17 Aug 2015 13:06

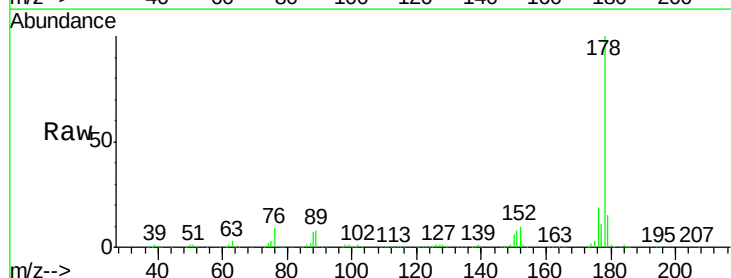
Tgt Ion:178 Resp: 1181790

Ion Ratio Lower Upper

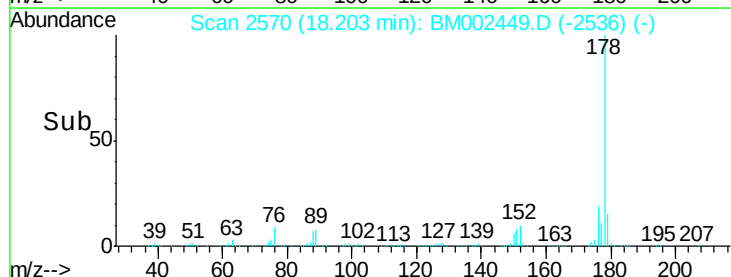
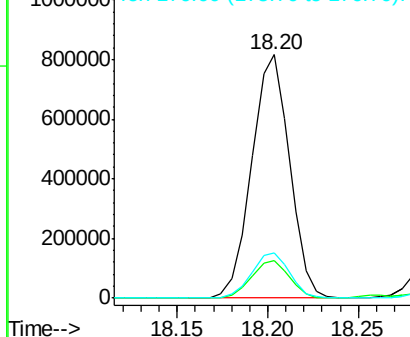
178 100

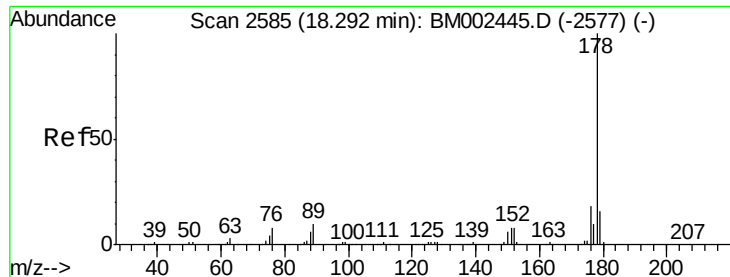
179 15.3 12.4 18.6

176 18.8 15.1 22.7



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: 5.26 ng/ul

RT: 18.29 min Scan# 2585

Delta R.T. 0.00 min

Lab File: BM002449.D

Acq: 17 Aug 2015 13:06

Instrument :

BNA_M

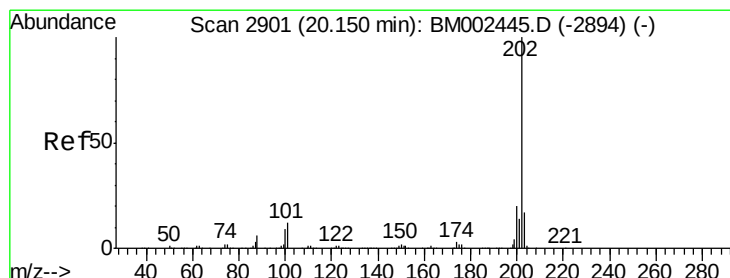
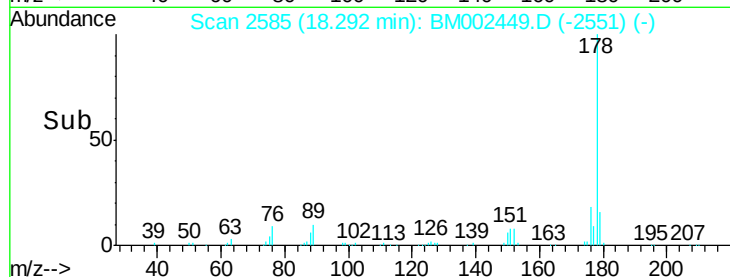
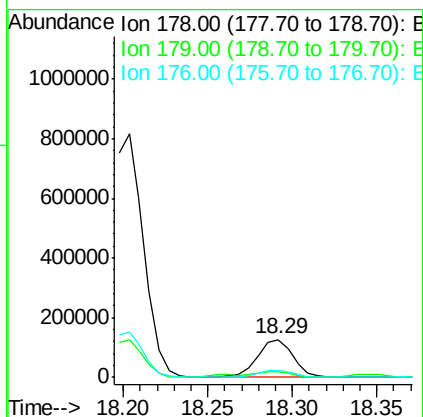
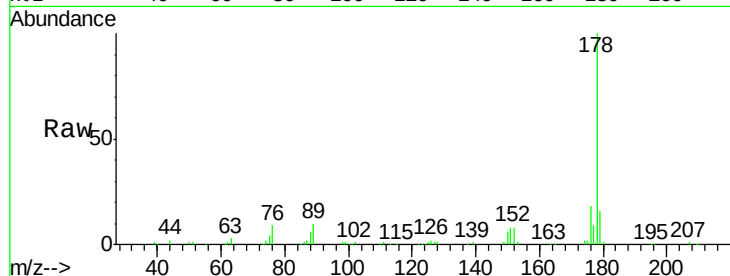
ClientSampleId :

D9D98DL

Tgt Ion:	178	Resp:	189105
Ion Ratio	Lower	Upper	
178	100		
179	15.7	12.6	18.8
176	17.8	14.5	21.7

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#16

Fluoranthene

Concen: 39.12 ng/ul

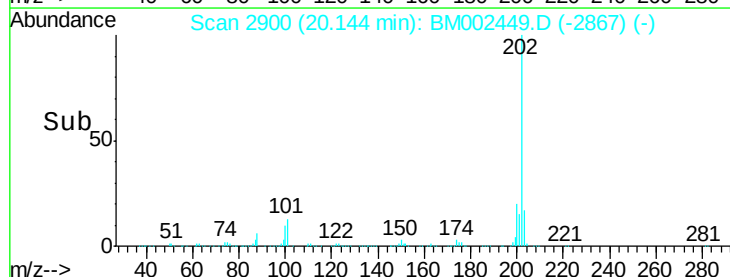
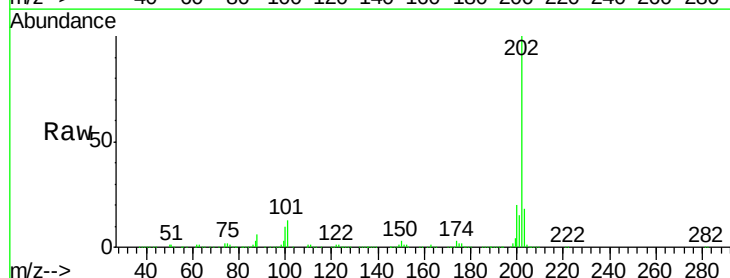
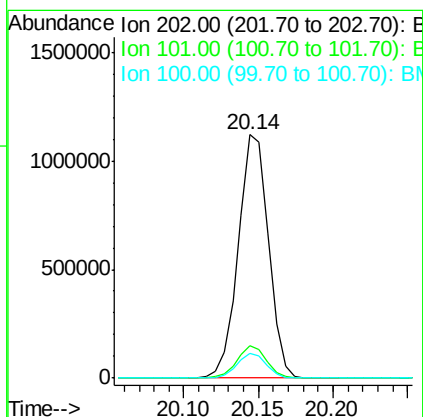
RT: 20.14 min Scan# 2900

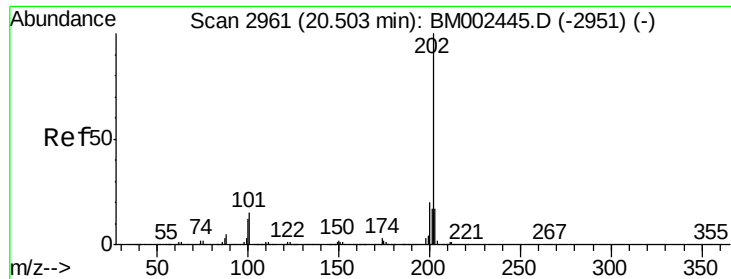
Delta R.T. -0.01 min

Lab File: BM002449.D

Acq: 17 Aug 2015 13:06

Tgt Ion:	202	Resp:	1571837
Ion Ratio	Lower	Upper	
202	100		
101	13.2	9.7	14.5
100	10.1	7.4	11.2





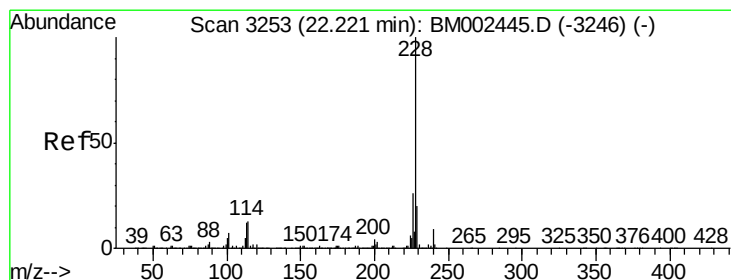
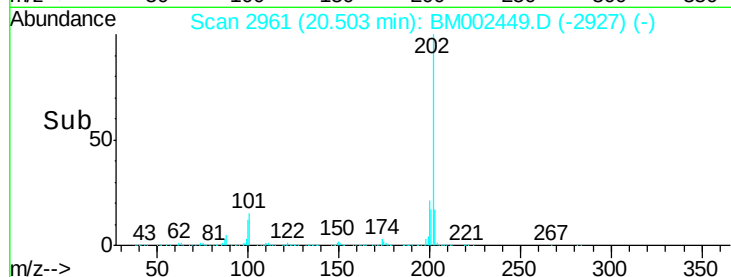
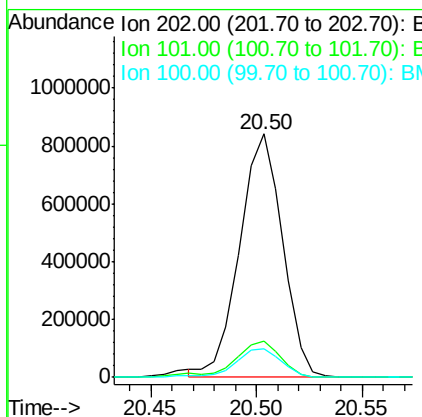
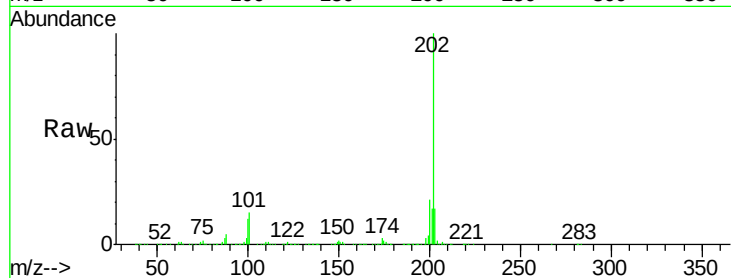
#19
 Pyrene
 Concen: 44.26 ng/ul
 RT: 20.50 min Scan# 2961
 Delta R.T. 0.00 min
 Lab File: BM002449.D
 Acq: 17 Aug 2015 13:06

Instrument :
 BNA_M
 ClientSampleId :
 D9D98DL

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.6	12.0	18.0
100	11.8	9.7	14.5

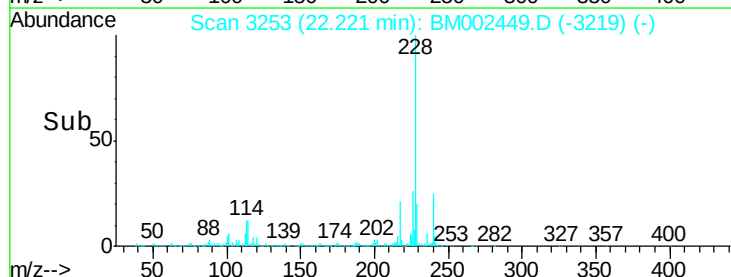
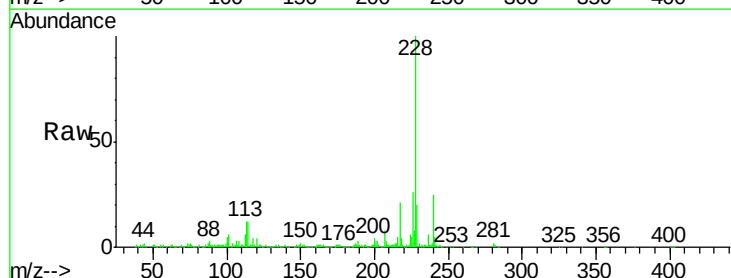
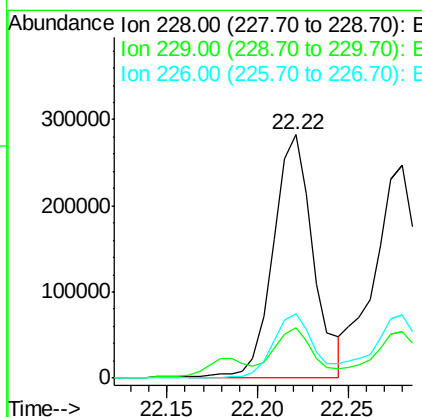
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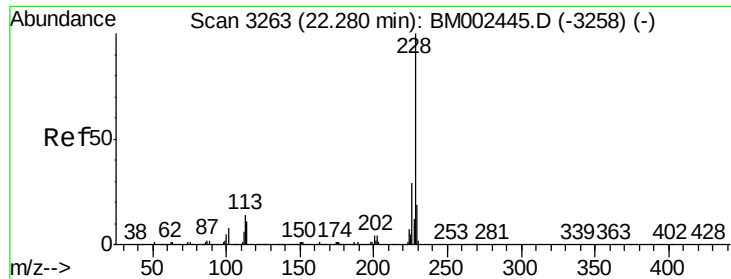
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#20
 Benzo(a)anthracene
 Concen: 15.99 ng/ul
 RT: 22.22 min Scan# 3253
 Delta R.T. 0.00 min
 Lab File: BM002449.D
 Acq: 17 Aug 2015 13:06

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.4	15.8	23.6
226	26.4	21.1	31.7





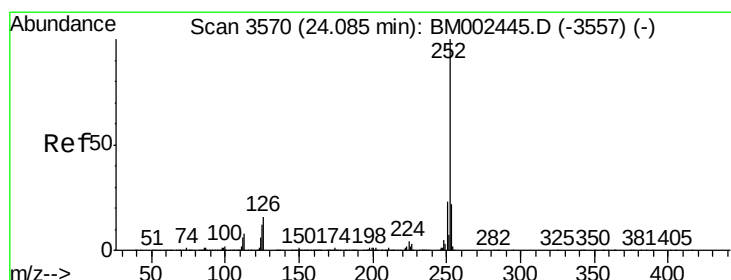
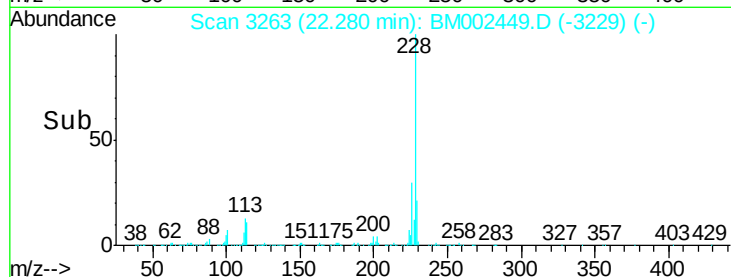
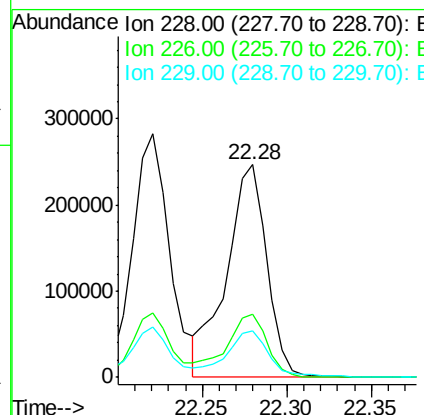
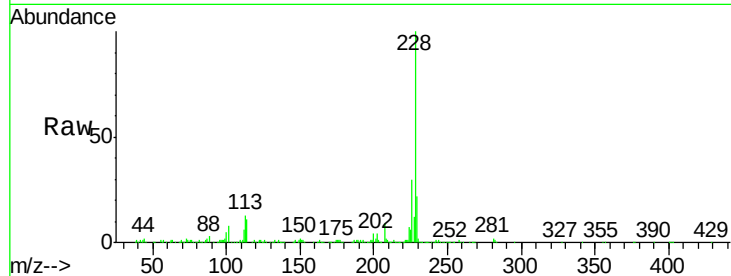
#21
Chrysene
Concen: 16.06 ng/ul
RT: 22.28 min Scan# 3263
Delta R.T. 0.00 min
Lab File: BM002449.D
Acq: 17 Aug 2015 13:06

Instrument :
BNA_M
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
228	100	408931		
226	29.6	23.4	35.2	
229	21.8	15.7	23.5	

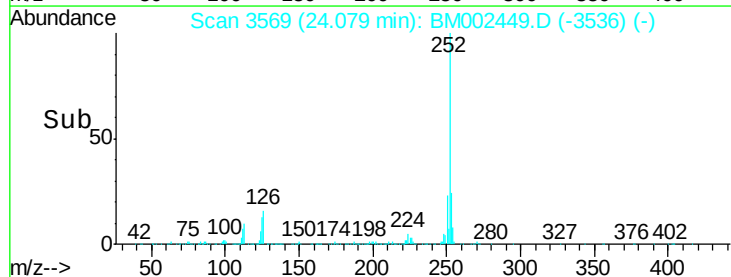
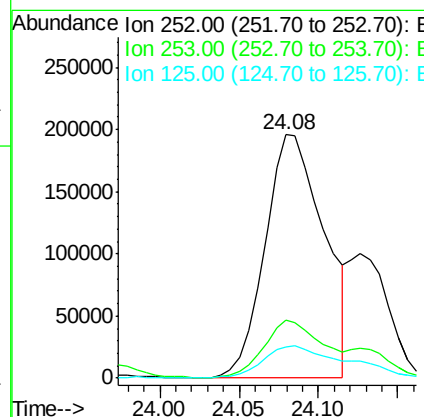
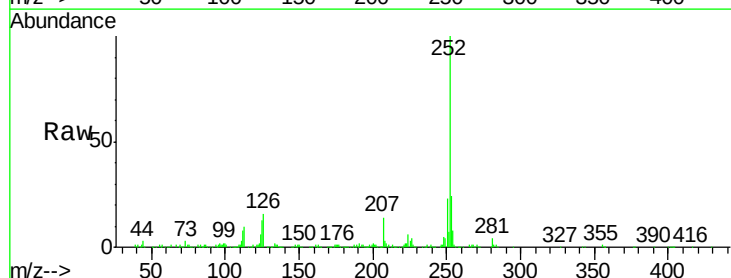
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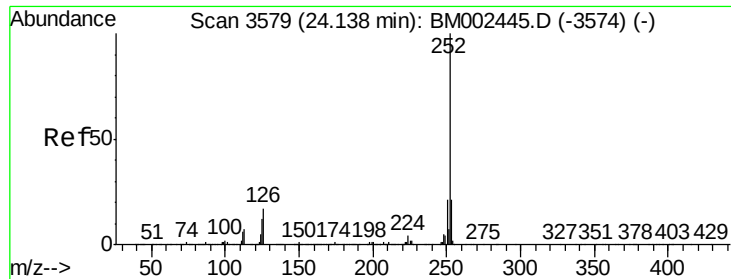
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#23
Benzo(b)fluoranthene
Concen: 21.46 ng/ul
RT: 24.08 min Scan# 3569
Delta R.T. -0.01 min
Lab File: BM002449.D
Acq: 17 Aug 2015 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	507090		
253	23.9	17.4	26.0	
125	13.0	10.0	15.0	





#24

Benzo(k)fluoranthene

Concen: 7.69 ng/ul m

RT: 24.13 min Scan# 3577

Delta R.T. -0.01 min

Lab File: BM002449.D

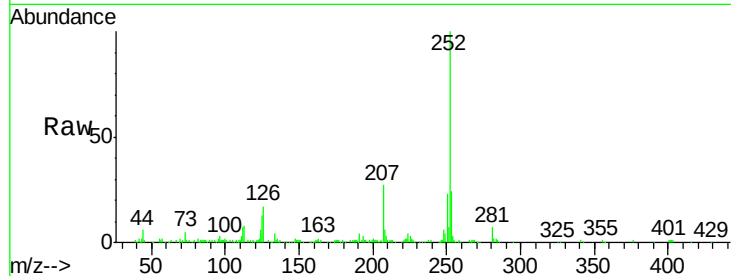
Acq: 17 Aug 2015 13:06

Instrument :

BNA_M

ClientSampleId :

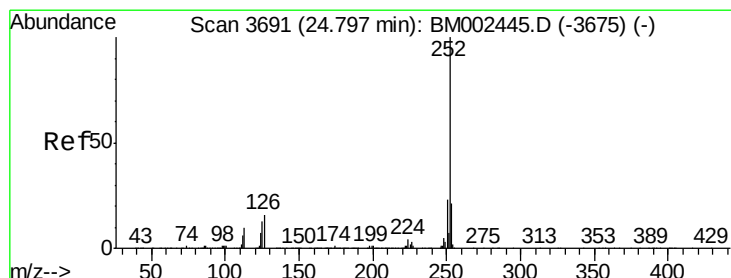
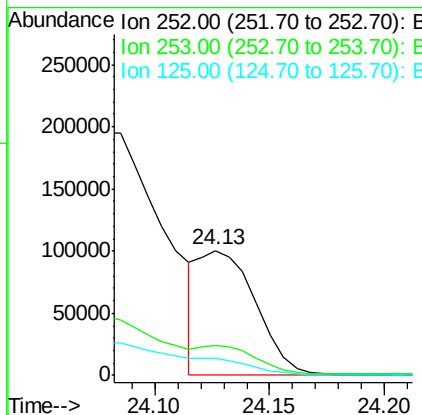
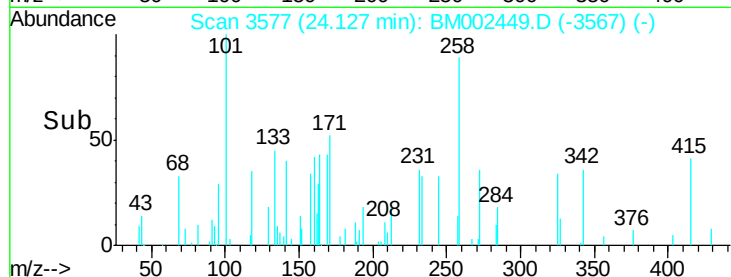
D9D98DL



Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.6
125	13.4	9.8	14.8

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#26

Benzo(a)pyrene

Concen: 14.16 ng/ul

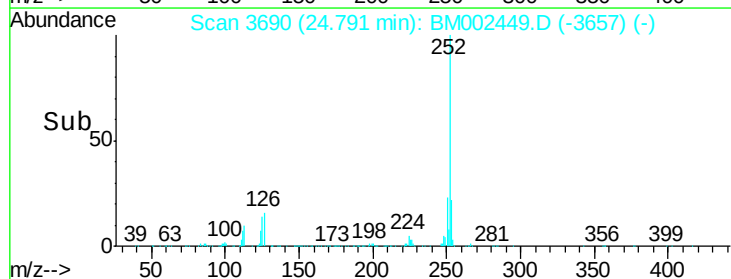
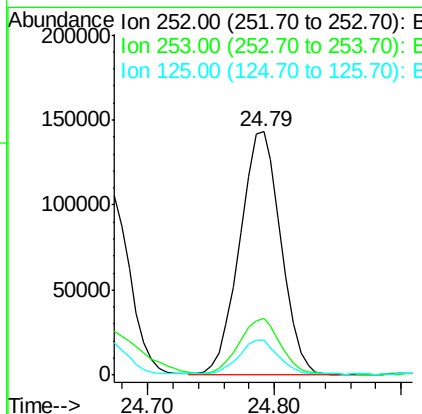
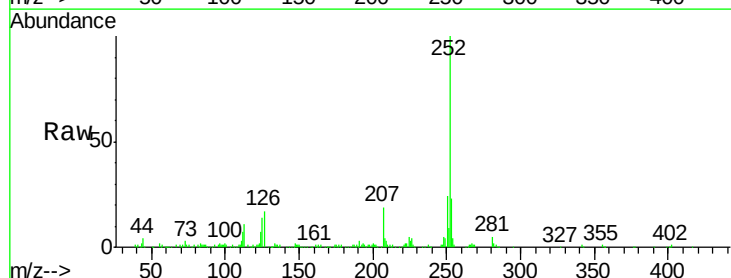
RT: 24.79 min Scan# 3690

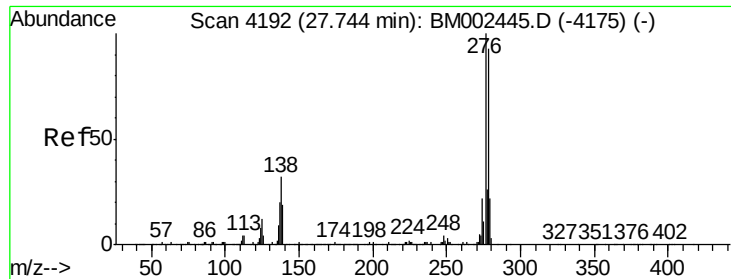
Delta R.T. -0.01 min

Lab File: BM002449.D

Acq: 17 Aug 2015 13:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.6	26.4
125	14.2	10.7	16.1





#27

Indeno(1,2,3-cd)pyrene

Concen: 9.18 ng/ul

RT: 27.73 min Scan# 4189

Delta R.T. -0.02 min

Lab File: BM002449.D

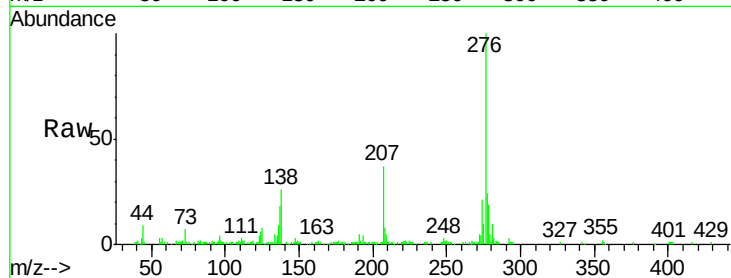
Acq: 17 Aug 2015 13:06

Instrument :

BNA_M

ClientSampleId :

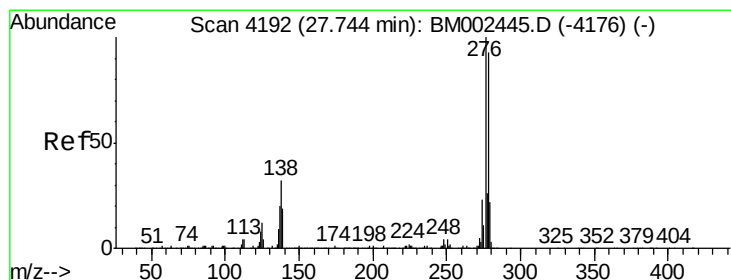
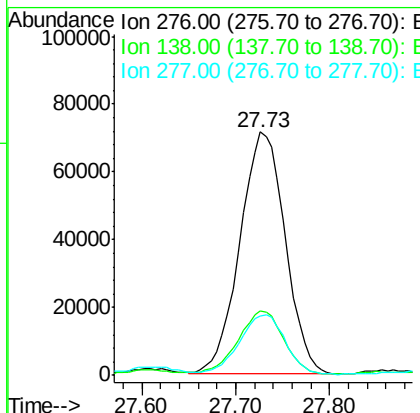
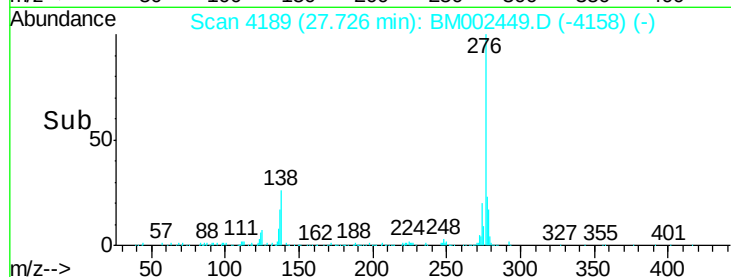
D9D98DL



Tgt Ion	Ratio	Resp	Lower	Upper
276	100	238346		
138	26.3	25.3	37.9	
277	24.1	20.2	30.2	

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#28

Dibenzo(a,h)anthracene

Concen: 2.70 ng/ul

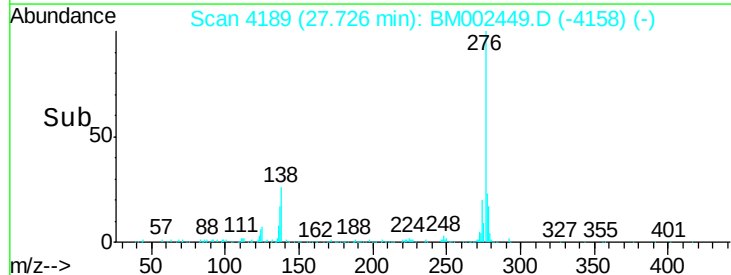
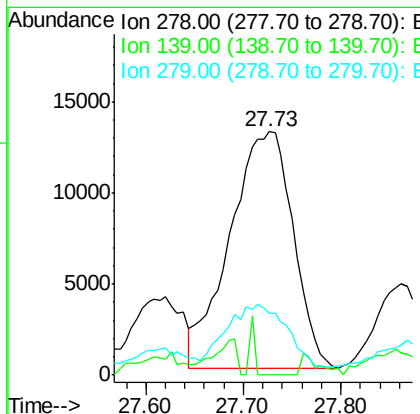
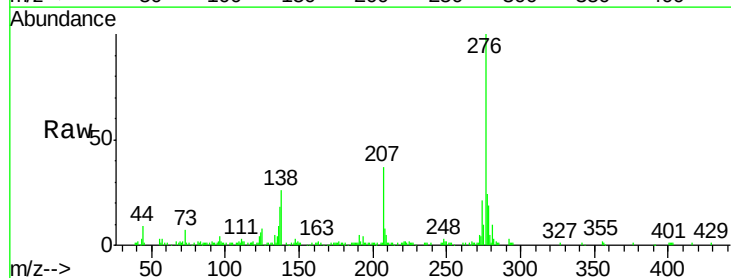
RT: 27.73 min Scan# 4189

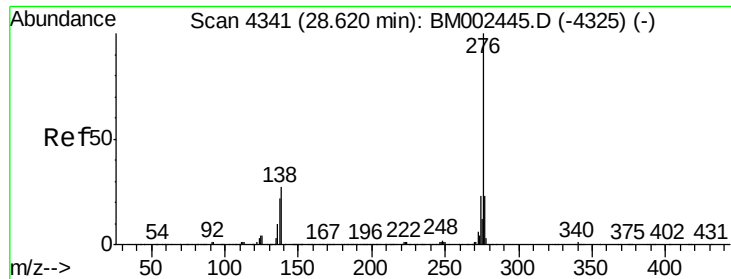
Delta R.T. -0.02 min

Lab File: BM002449.D

Acq: 17 Aug 2015 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	58584		
139	0.0	16.5	24.7#	
279	25.5	18.8	28.2	





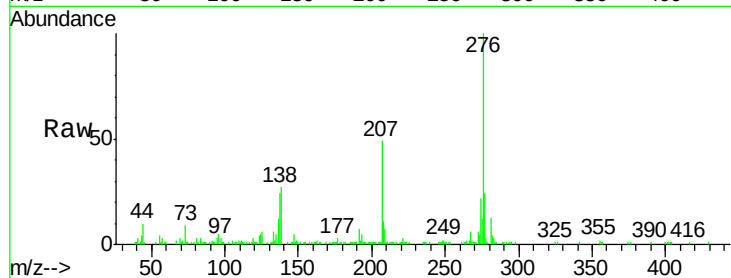
#29
 Benzo(g,h,i)perylene
 Concen: 10.11 ng/ul
 RT: 28.61 min Scan# 4339
 Delta R.T. -0.01 min
 Lab File: BM002449.D
 Acq: 17 Aug 2015 13:06

Instrument :
 BNA_M
 ClientSampleId :
 D9D98DL

Tgt Ion:	276	Resp:	218349
Ion Ratio	Lower	Upper	
276	100		
138	27.4	21.0	31.6
277	24.2	19.2	28.8

Manual Integrations
 APPROVED

MMDadoda
 8/18/2015 5:15:15 PM



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

