

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082915\
 Data File : BM002581.D
 Acq On : 30 Aug 2015 01:10
 Operator : UM/IZ
 Sample : G3455-19MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9E82MSD

Manual Integrations
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 8/31/2015 1:52:12 PM

Quant Time: Aug 31 01:53:30 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 31 01:34:36 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	142808	20.00	ng/ul	0.00
2) Naphthalene-d8	11.65	136	592474	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.37	164	287853	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.08	188	579121	20.00	ng/ul	0.00
17) Chrysene-d12	22.16	240	602510	20.00	ng/ul	0.00
22) Perylene-d12	24.80	264	622519	20.00	ng/ul	0.02
System Monitoring Compounds						
7) Acenaphthylene-d8	15.07	160	477299	16.22	ng/ul	0.00
10) Fluorene-d10	16.34	176	314249	15.20	ng/ul	0.00
14) Anthracene-d10	18.18	188	433449	15.52	ng/ul	0.00
18) Pyrene-d10	20.40	212	422541	15.82	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.63	264	373708	11.43	ng/ul	0.02
Target Compounds						
8) Acenaphthylene	15.10	152	65111	2.11	ng/ul	Qvalue 99
9) Acenaphthene	15.43	153	339151	16.71	ng/ul	99
13) Phenanthrene	18.12	178	286488	8.57	ng/ul	100
15) Anthracene	18.22	178	87480	2.58	ng/ul	100
16) Fluoranthene	20.07	202	651528	17.21	ng/ul	97
19) Pyrene	20.43	202	1140646	32.32	ng/ul	98
20) Benzo(a)anthracene	22.14	228	356209	9.89	ng/ul	97
21) Chrysene	22.20	228	358007m	10.62	ng/ul	
23) Benzo(b)fluoranthene	23.98	252	487834	12.96	ng/ul#	96
24) Benzo(k)fluoranthene	24.03	252	176018m	4.94	ng/ul	
26) Benzo(a)pyrene	24.68	252	357991	9.96	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	27.57	276	277240	6.71	ng/ul	97
28) Dibenzo(a,h)anthracene	27.56	278	91324	2.64	ng/ul#	74
29) Benzo(g,h,i)perylene	28.44	276	319564	9.29	ng/ul	95

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

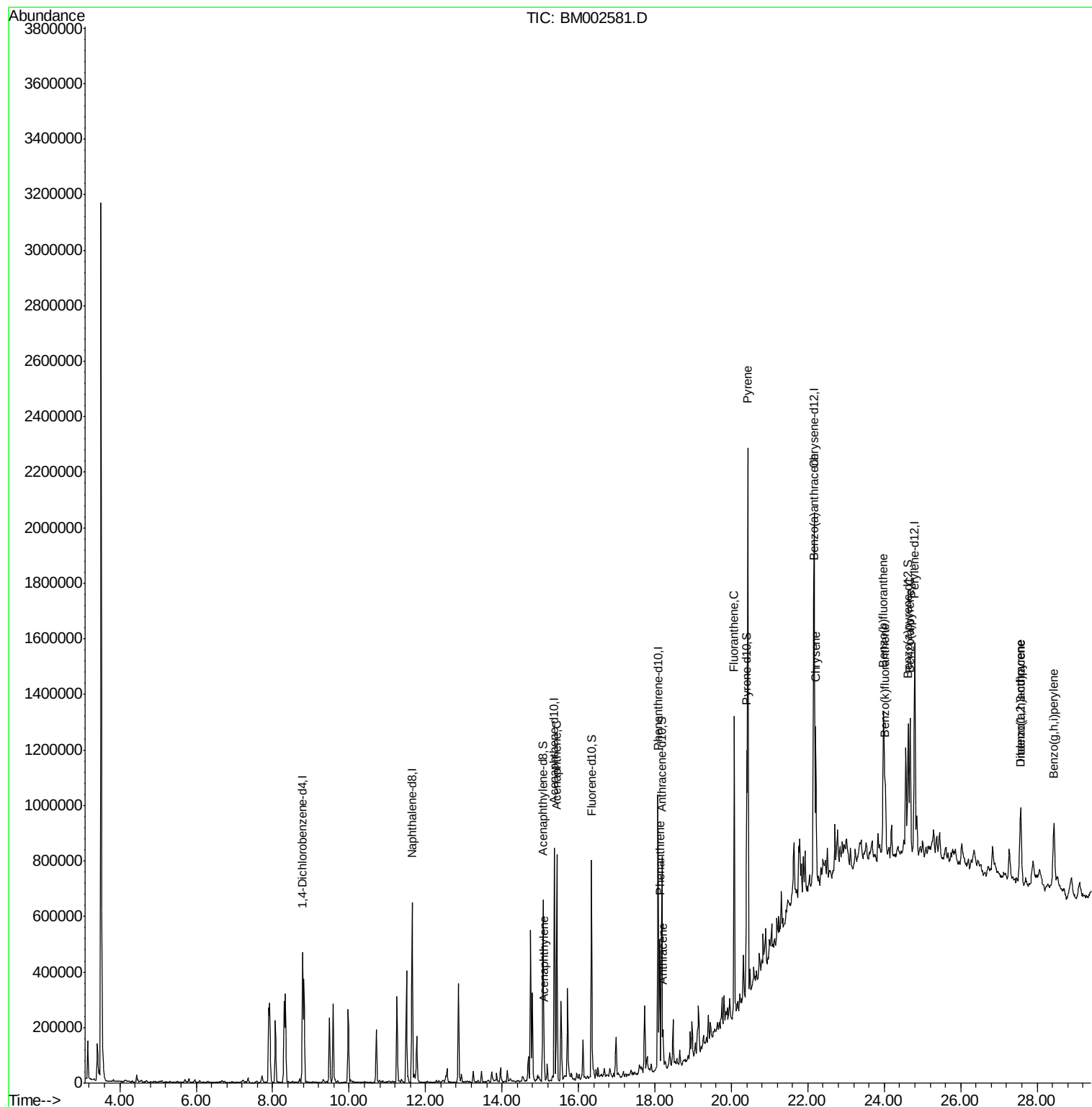
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082915\
Data File : BM002581.D
Acq On : 30 Aug 2015 01:10
Operator : UM/IZ
Sample : G3455-19MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

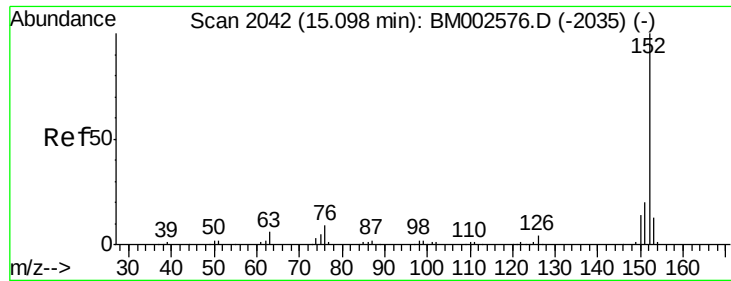
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Quant Time: Aug 31 01:53:30 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 31 01:34:36 2015
Response via : Initial Calibration





#8

Acenaphthylene

Concen: 2.11 ng/ul

RT: 15.10 min Scan# 2043

Delta R.T. 0.01 min

Lab File: BM002581.D

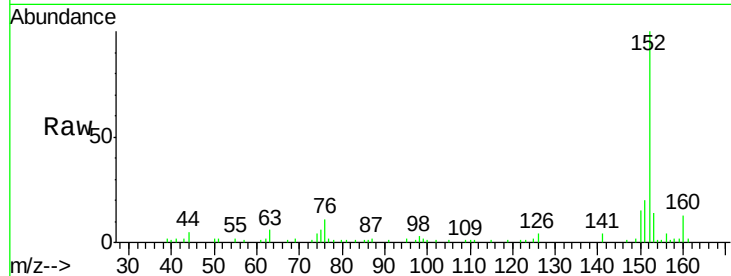
Acq: 30 Aug 2015 01:10

Instrument :

BNA_M

ClientSampleId :

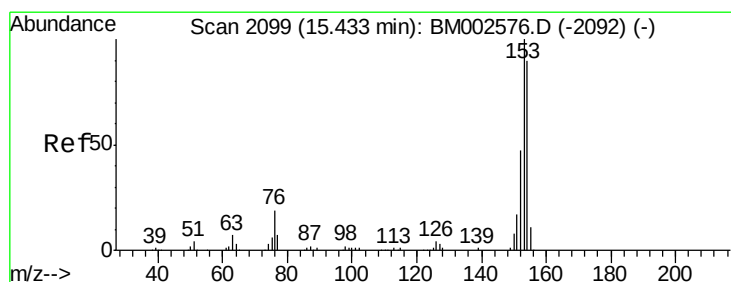
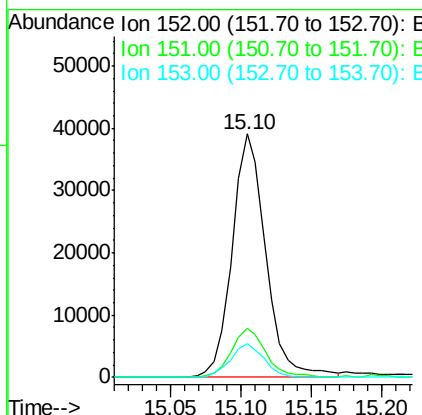
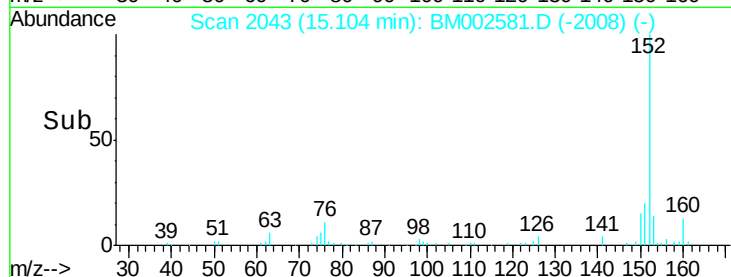
D9E82MSD



Tgt Ion:	152	Resp:	65111
Ion Ratio	Lower	Upper	
152	100		
151	20.0	15.7	23.5
153	13.8	10.2	15.4

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#9

Acenaphthene

Concen: 16.71 ng/ul

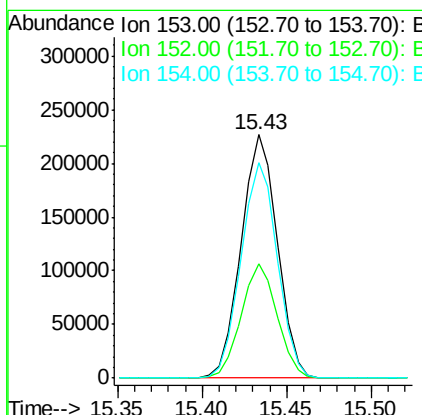
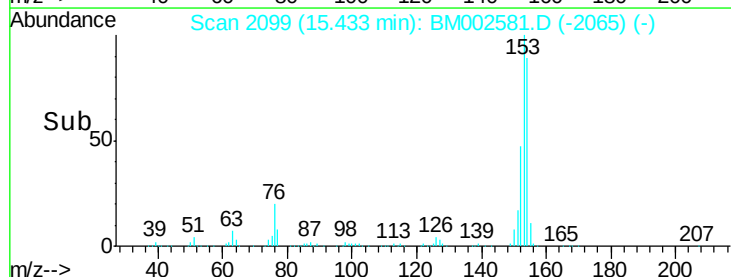
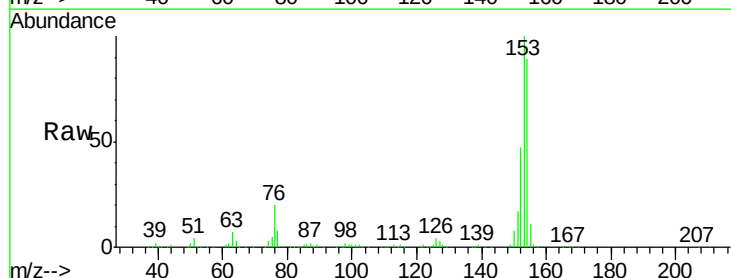
RT: 15.43 min Scan# 2099

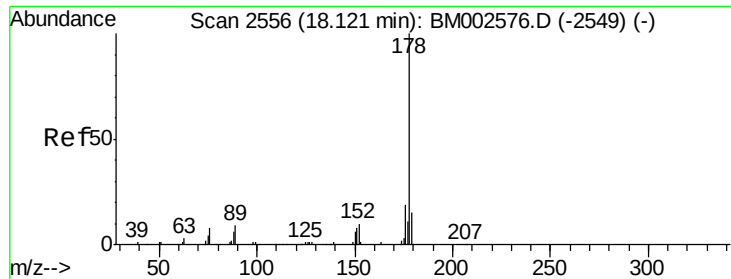
Delta R.T. -0.00 min

Lab File: BM002581.D

Acq: 30 Aug 2015 01:10

Tgt Ion:	153	Resp:	339151
Ion Ratio	Lower	Upper	
153	100		
152	46.9	36.9	55.3
154	88.7	71.3	106.9





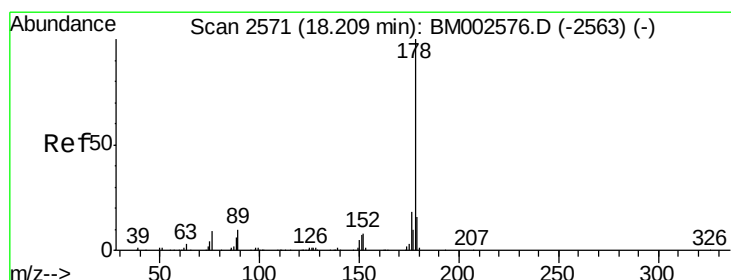
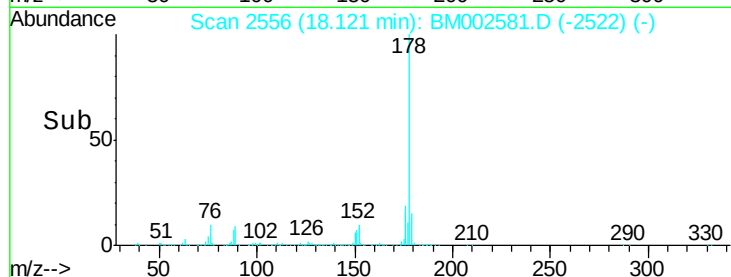
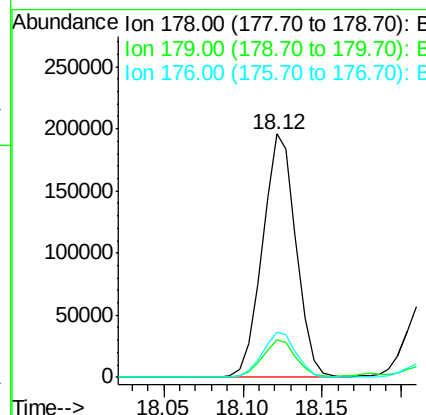
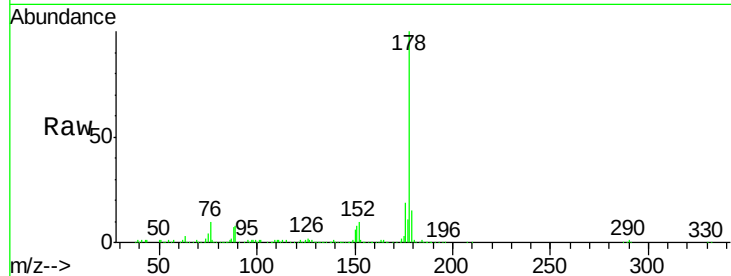
#13
Phenanthrene
Concen: 8.57 ng/ul
RT: 18.12 min Scan# 2556
Delta R.T. -0.00 min
Lab File: BM002581.D
Acq: 30 Aug 2015 01:10

Instrument :
BNA_M
ClientSampleId :
D9E82MSD

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	286488		
179	15.4		12.4	18.6
176	18.8		15.1	22.7

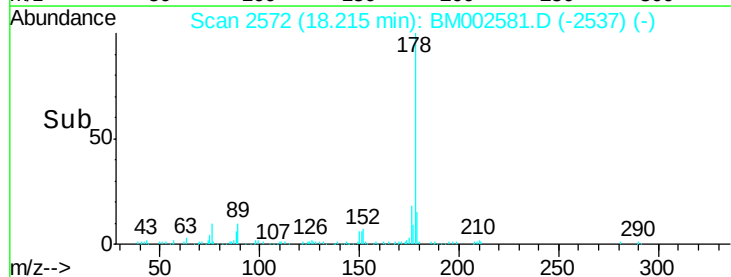
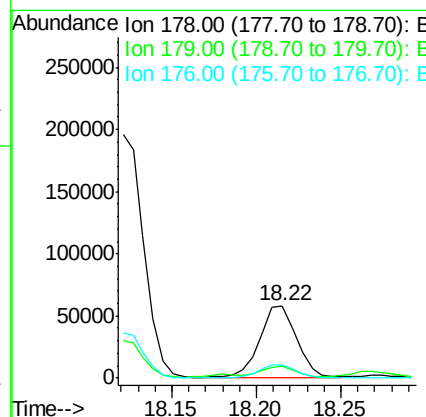
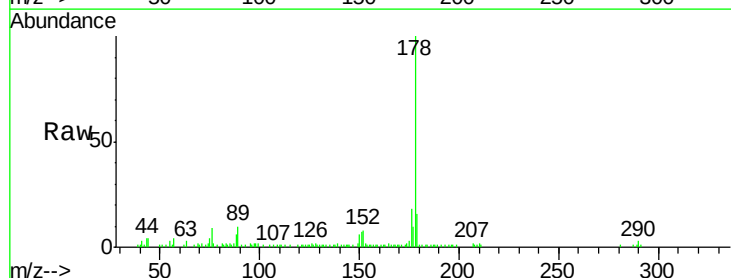
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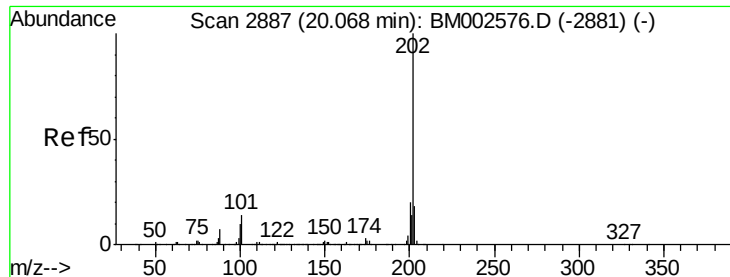
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#15
Anthracene
Concen: 2.58 ng/ul
RT: 18.22 min Scan# 2572
Delta R.T. 0.01 min
Lab File: BM002581.D
Acq: 30 Aug 2015 01:10

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	87480		
179	15.7		12.6	18.8
176	17.8		14.5	21.7





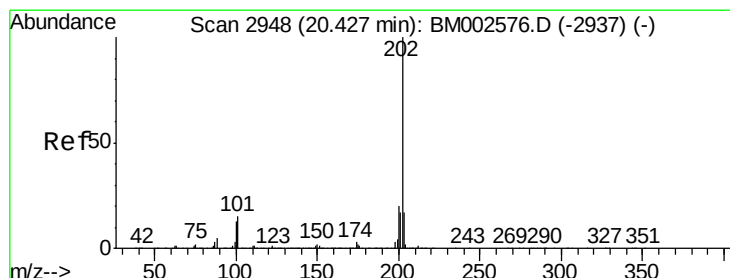
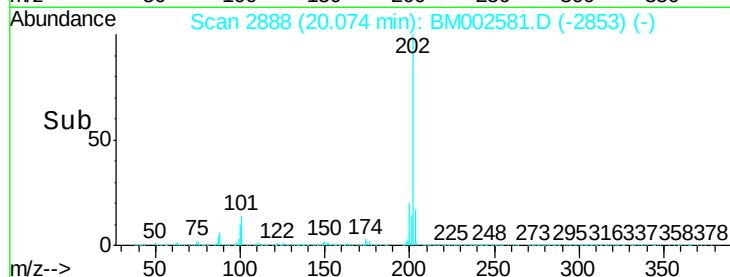
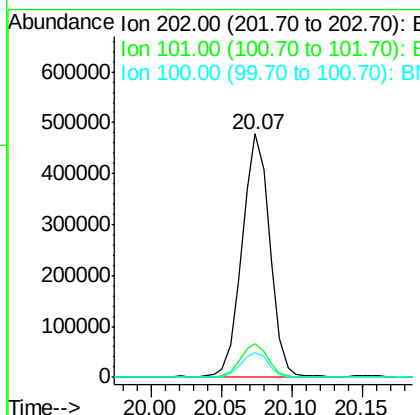
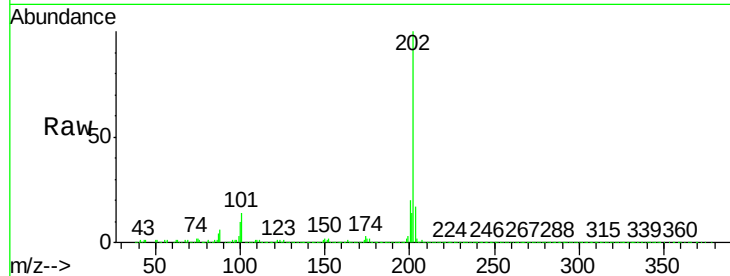
#16
Fluoranthene
Concen: 17.21 ng/ul
RT: 20.07 min Scan# 2888
Delta R.T. 0.01 min
Lab File: BM002581.D
Acq: 30 Aug 2015 01:10

Instrument :
BNA_M
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
202	100	651528		
101	13.8	9.7	14.5	
100	10.2	7.4	11.2	

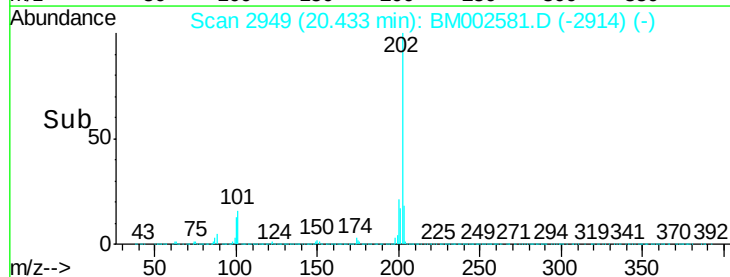
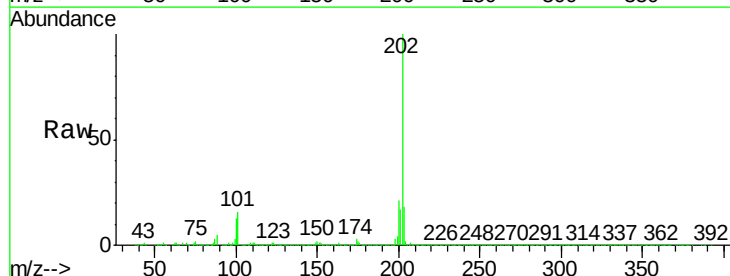
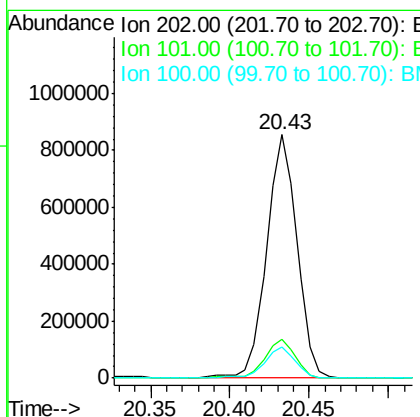
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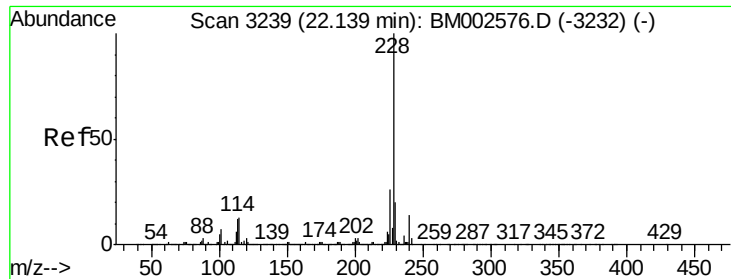
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#19
Pyrene
Concen: 32.32 ng/ul
RT: 20.43 min Scan# 2949
Delta R.T. 0.01 min
Lab File: BM002581.D
Acq: 30 Aug 2015 01:10

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1140646		
101	15.9	12.0	18.0	
100	12.9	9.7	14.5	





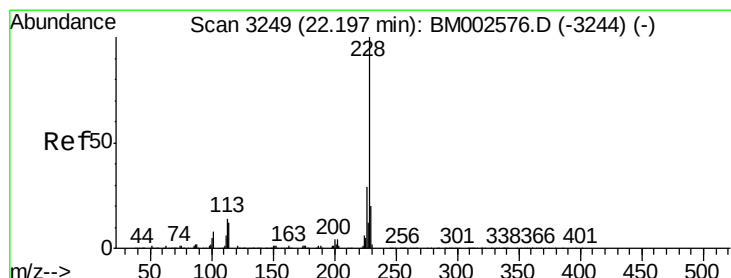
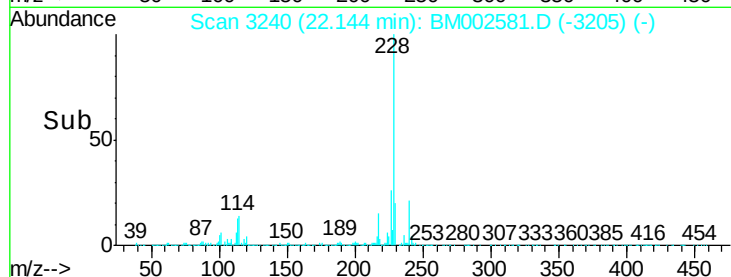
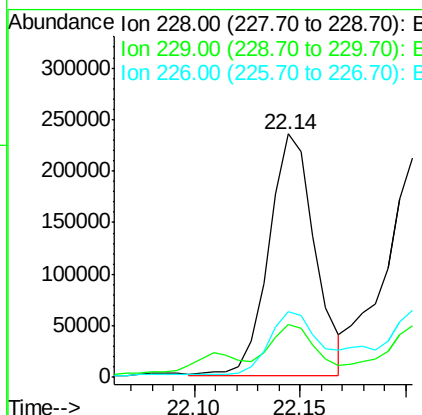
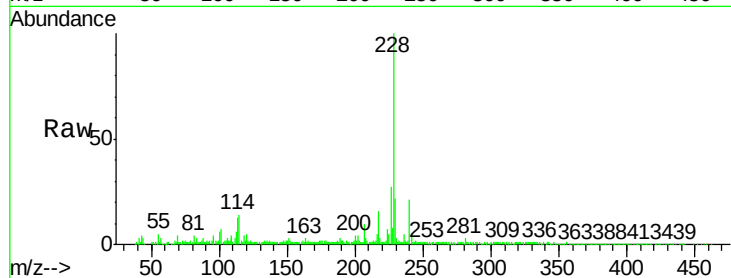
#20
Benzo(a)anthracene
Concen: 9.89 ng/ul
RT: 22.14 min Scan# 3240
Delta R.T. 0.01 min
Lab File: BM002581.D
Acq: 30 Aug 2015 01:10

Instrument :
BNA_M
ClientSampleId :
D9E82MSD

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.6	15.8	23.6
226	27.2	21.1	31.7

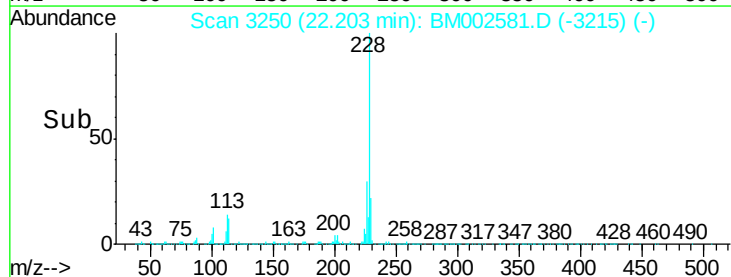
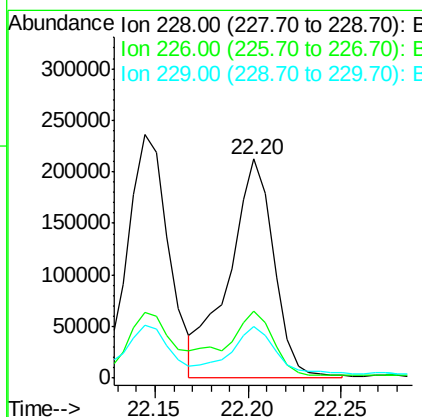
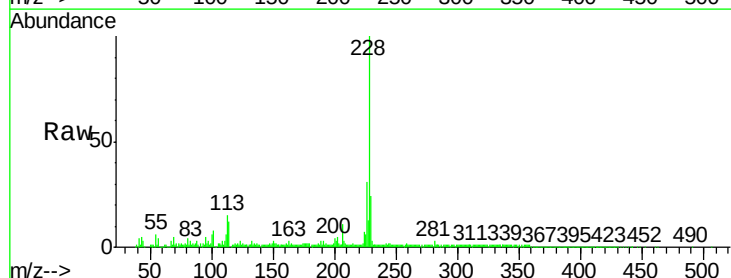
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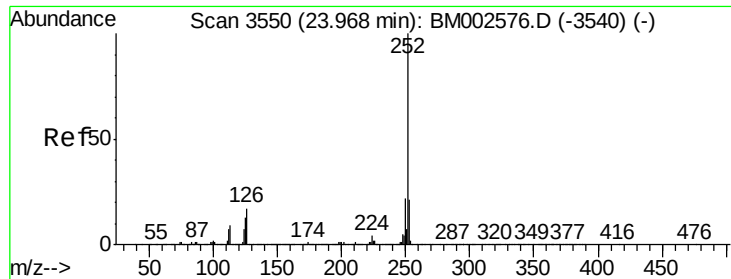
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#21
Chrysene
Concen: 10.62 ng/ul m
RT: 22.20 min Scan# 3250
Delta R.T. 0.01 min
Lab File: BM002581.D
Acq: 30 Aug 2015 01:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.4	35.2
229	23.7	15.7	23.5





#23

Benzo(b)fluoranthene

Concen: 12.96 ng/ul

RT: 23.98 min Scan# 3552

Delta R.T. 0.01 min

Lab File: BM002581.D

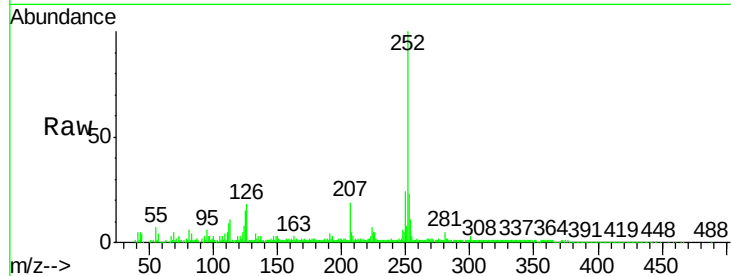
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Instrument :

BNA_M

ClientSampleId :

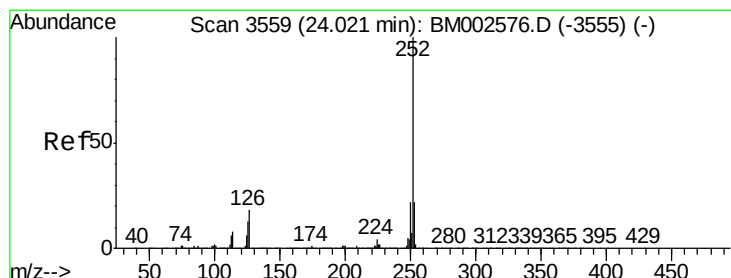
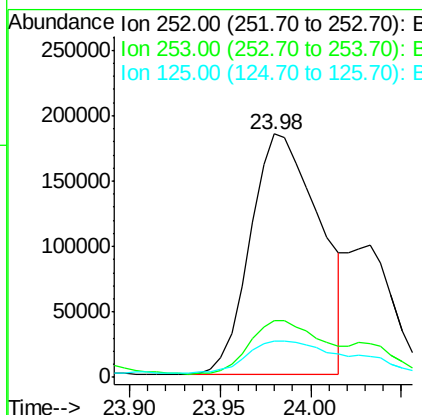
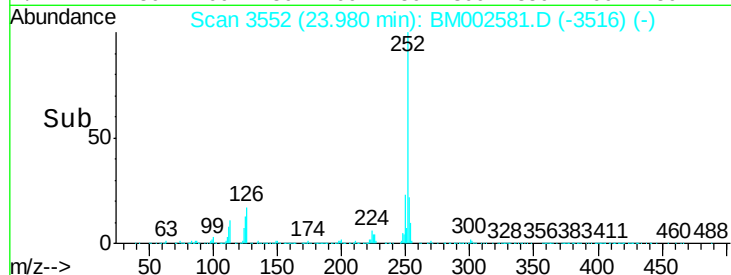
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Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.0
125	15.1	10.0	15.0#

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#24

Benzo(k)fluoranthene

Concen: 4.94 ng/ul m

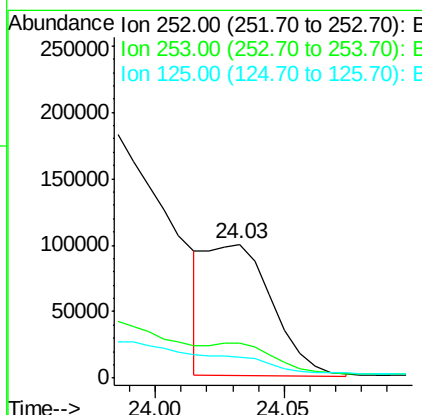
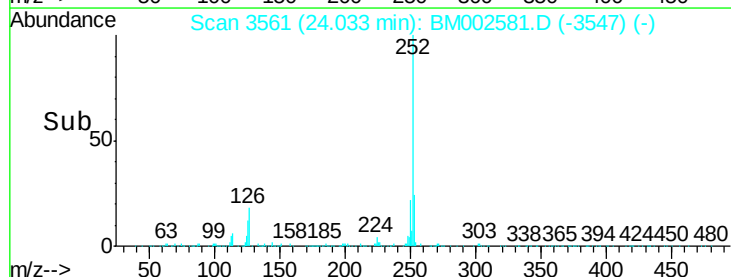
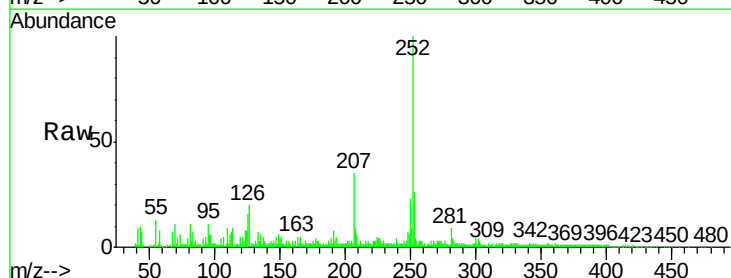
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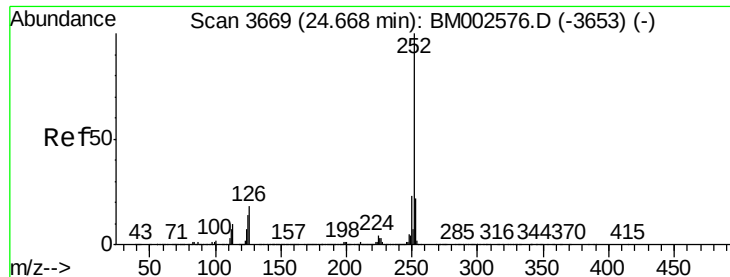
Delta R.T. 0.01 min

Lab File: BM002581.D

Acq: 30 Aug 2015 01:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.8	26.6
125	15.9	9.8	14.8#





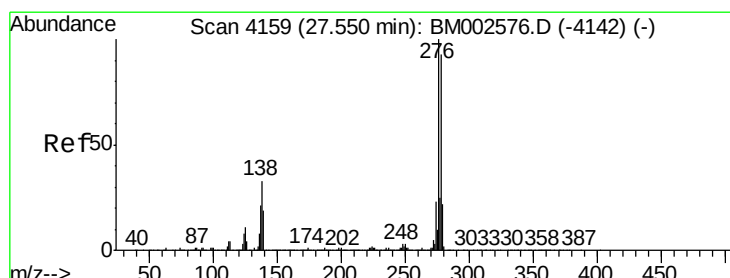
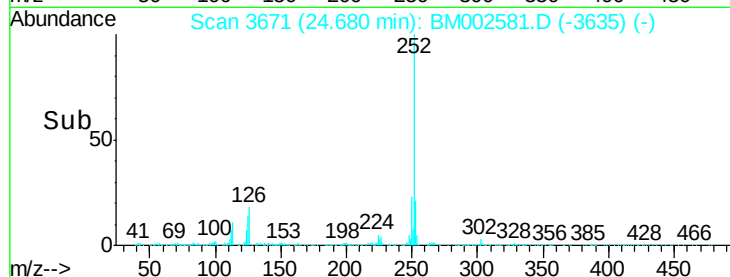
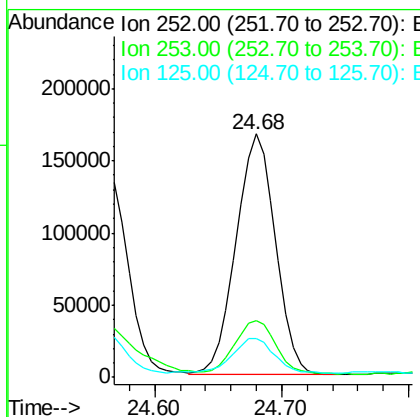
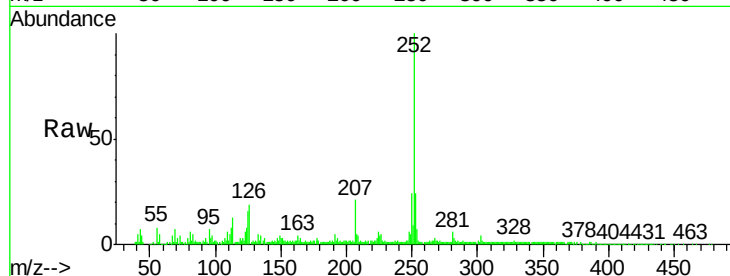
#26
Benzo(a)pyrene
Concen: 9.96 ng/ul
RT: 24.68 min Scan# 3671
Delta R.T. 0.01 min
Lab File: BM002581.D
Acq: 30 Aug 2015 01:10

Instrument :
BNA_M
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D9E82MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.5	17.6	26.4
125	16.0	10.7	16.1

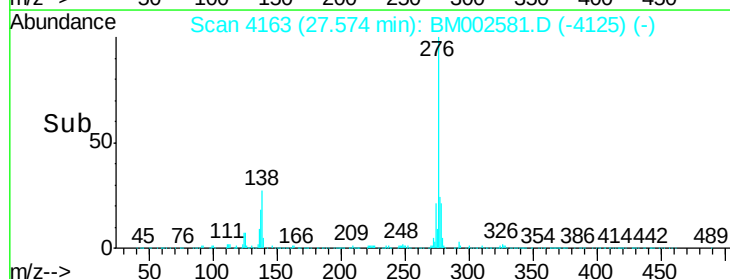
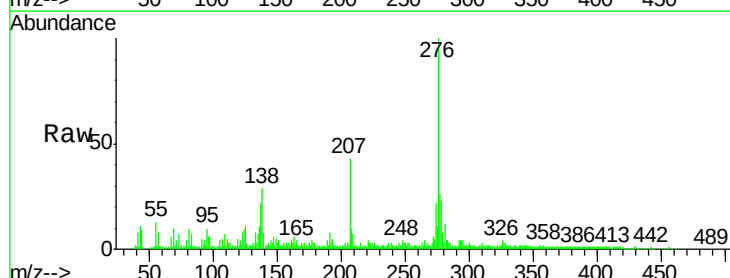
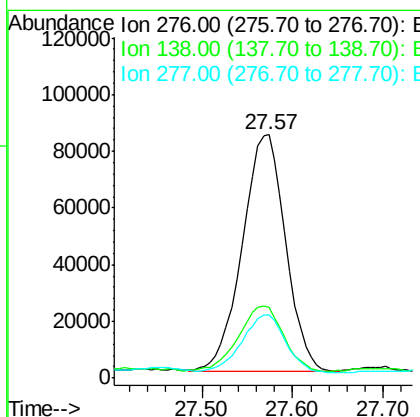
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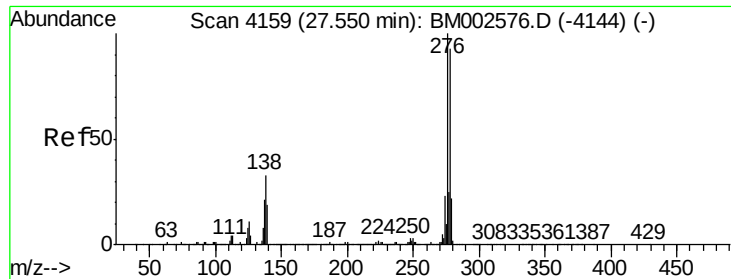
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#27
Indeno(1,2,3-cd)pyrene
Concen: 6.71 ng/ul
RT: 27.57 min Scan# 4163
Delta R.T. 0.02 min
Lab File: BM002581.D
Acq: 30 Aug 2015 01:10

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	29.1	25.3	37.9
277	25.8	20.2	30.2





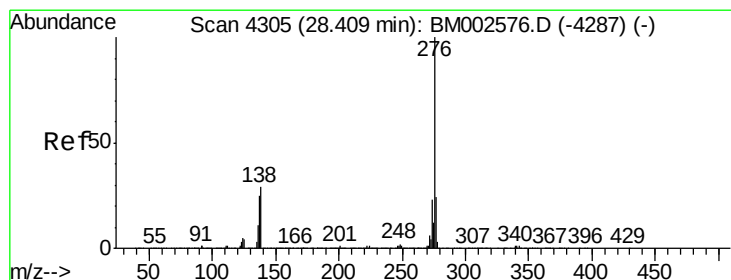
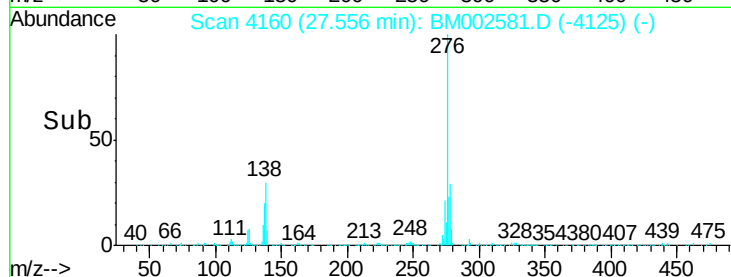
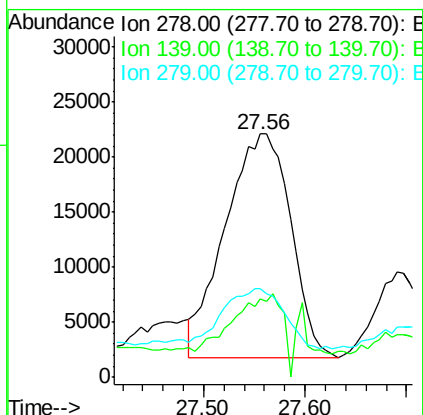
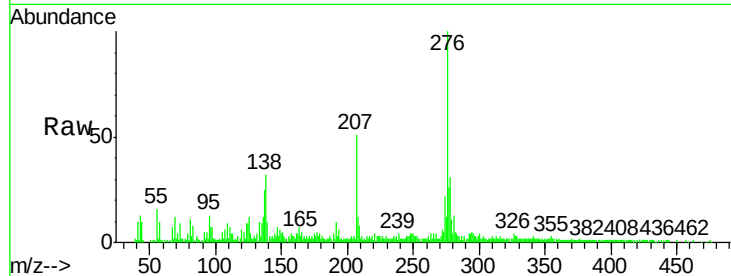
#28
Dibenzo(a,h)anthracene
Concen: 2.64 ng/ul
RT: 27.56 min Scan# 4160
Delta R.T. 0.01 min
Lab File: BM002581.D
Acq: 30 Aug 2015 01:10

Instrument :
BNA_M
ClientSampleId :
D9E82MSD

Tgt Ion	Ratio	Lower	Upper
278	100		
139	32.3	16.5	24.7#
279	36.3	18.8	28.2#

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#29
Benzo(g,h,i)perylene
Concen: 9.29 ng/ul
RT: 28.44 min Scan# 4310
Delta R.T. 0.03 min
Lab File: BM002581.D
Acq: 30 Aug 2015 01:10

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.7	21.0	31.6
277	25.5	19.2	28.8

