

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082915\
 Data File : BM002584.D
 Acq On : 30 Aug 2015 02:59
 Operator : UM/IZ
 Sample : G3455-22
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9E85

Manual Integrations
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MMDadoda
 8/31/2015 1:52:37 PM

Quant Time: Aug 31 01:58:03 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	144876	20.00	ng/ul	0.00
2) Naphthalene-d8	11.65	136	591579	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.37	164	286927	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.08	188	565918	20.00	ng/ul	0.00
17) Chrysene-d12	22.16	240	589227	20.00	ng/ul	0.00
22) Perylene-d12	24.80	264	613958	20.00	ng/ul	0.02
System Monitoring Compounds						
7) Acenaphthylene-d8	15.07	160	345154	11.77	ng/ul	0.00
10) Fluorene-d10	16.34	176	216489	10.51	ng/ul	0.00
14) Anthracene-d10	18.18	188	291798	10.69	ng/ul	0.00
18) Pyrene-d10	20.40	212	249909	9.57	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.63	264	197016	6.11	ng/ul	0.02
Target Compounds						
3) Naphthalene	11.70	128	69839	2.31	ng/ul	Qvalue 99
4) 2-Methylnaphthalene	13.25	142	25231	1.12	ng/ul	99
8) Acenaphthylene	15.10	152	155933	5.08	ng/ul	99
11) Fluorene	16.40	166	55289	2.39	ng/ul	98
13) Phenanthrene	18.12	178	899211	27.52	ng/ul	99
15) Anthracene	18.22	178	225267	6.80	ng/ul	99
16) Fluoranthene	20.08	202	1611628	43.56	ng/ul	98
19) Pyrene	20.43	202	1351814	39.16	ng/ul	97
20) Benzo(a)anthracene	22.14	228	779451	22.12	ng/ul	98
21) Chrysene	22.20	228	726443	22.04	ng/ul	97
23) Benzo(b)fluoranthene	23.99	252	1109051	29.88	ng/ul	97
24) Benzo(k)fluoranthene	24.03	252	346318m	9.85	ng/ul	
26) Benzo(a)pyrene	24.68	252	746757	21.06	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	27.57	276	586613	14.39	ng/ul	95
28) Dibenzo(a,h)anthracene	27.57	278	154053	4.52	ng/ul#	75
29) Benzo(g,h,i)perylene	28.44	276	525561	15.49	ng/ul	97

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

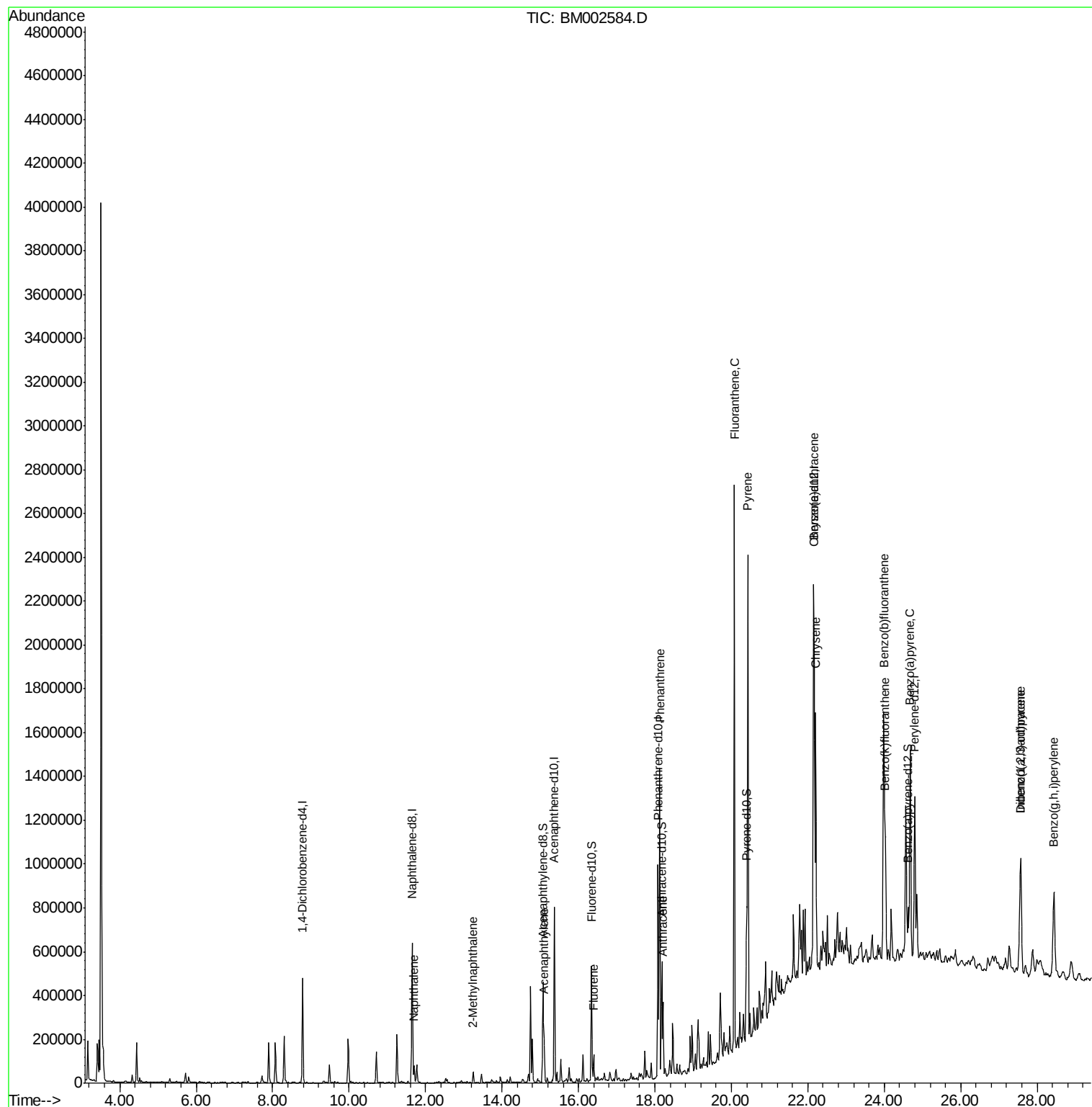
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082915\
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Misc :
ALS Vial : 25 Sample Multiplier: 1

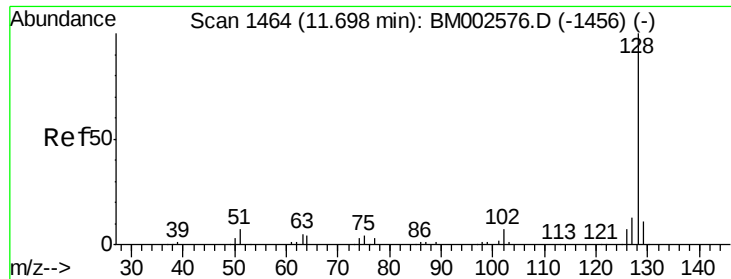
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Quant Time: Aug 31 01:58:03 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 31 01:34:36 2015
Response via : Initial Calibration





#3

Naphthalene

Concen: 2.31 ng/ul

RT: 11.70 min Scan# 1464

Delta R.T. 0.00 min

Lab File: BM002584.D

Acq: 30 Aug 2015 02:59

Instrument :

BNA_M

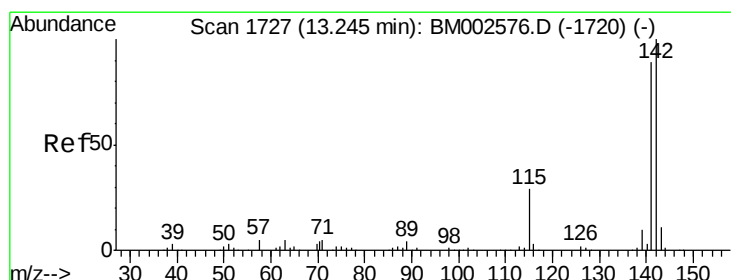
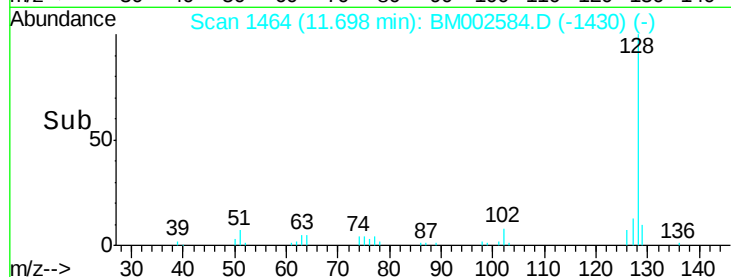
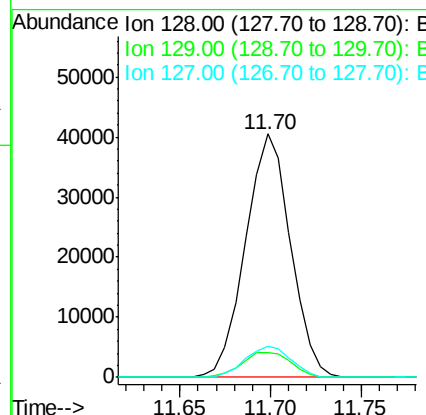
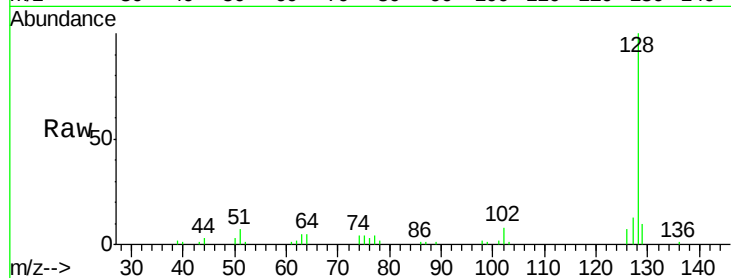
ClientSampled :

D9E85

Tgt Ion:	128	Resp:	69839
Ion Ratio	Lower	Upper	
128	100		
129	10.3	8.6	12.8
127	12.8	10.4	15.6

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#4

2-Methylnaphthalene

Concen: 1.12 ng/ul

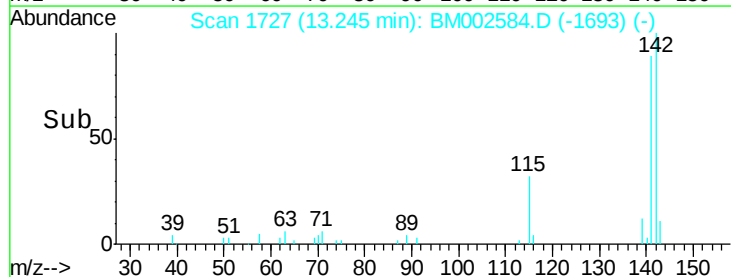
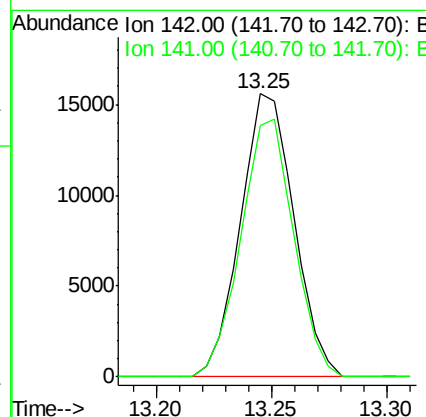
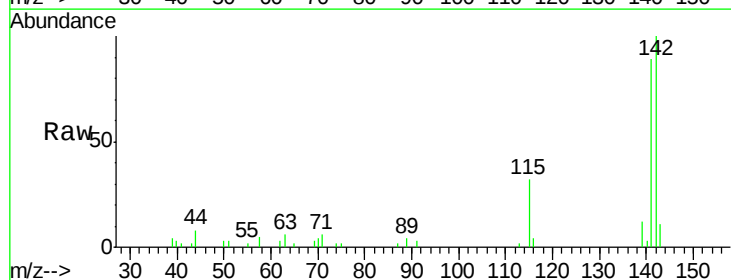
RT: 13.25 min Scan# 1727

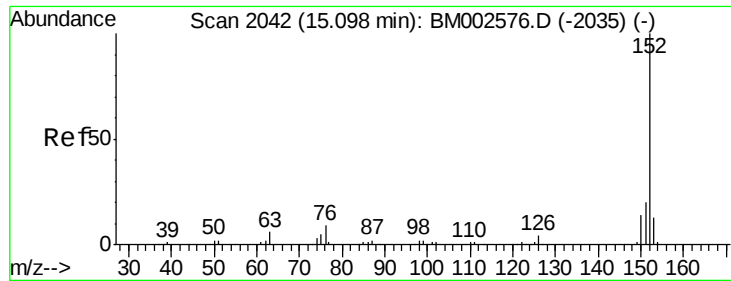
Delta R.T. 0.00 min

Lab File: BM002584.D

Acq: 30 Aug 2015 02:59

Tgt Ion:	142	Resp:	25231
Ion Ratio	Lower	Upper	
142	100		
141	89.0	72.2	108.2





#8

Acenaphthylene

Concen: 5.08 ng/ul

RT: 15.10 min Scan# 2043

Delta R.T. 0.01 min

Lab File: BM002584.D

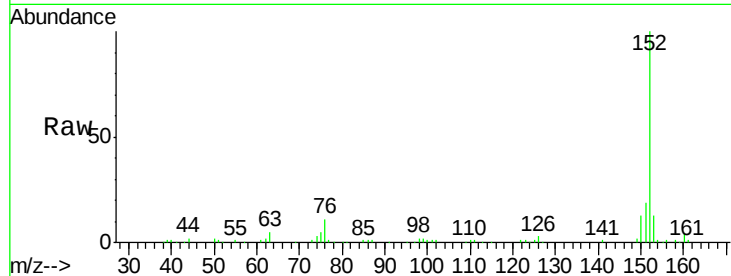
Acq: 30 Aug 2015 02:59

Instrument :

BNA_M

ClientSampleId :

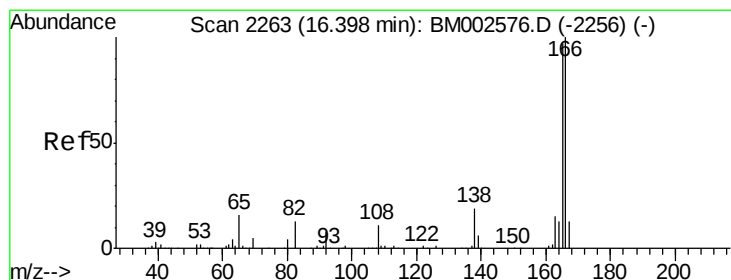
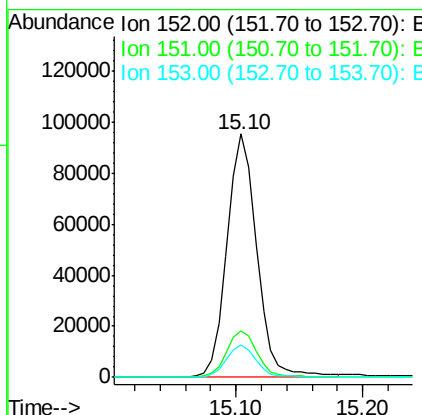
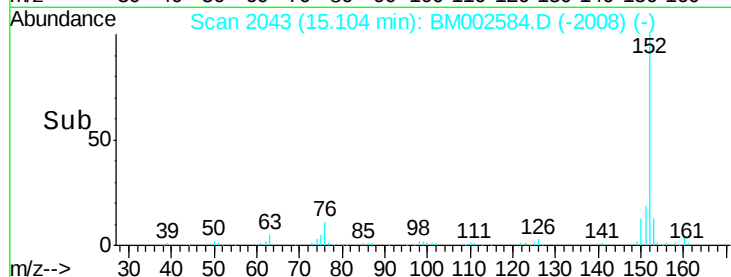
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Tgt Ion:	152	Resp:	155933
Ion Ratio	Lower	Upper	
152	100		
151	19.3	15.7	23.5
153	13.2	10.2	15.4

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#11

Fluorene

Concen: 2.39 ng/ul

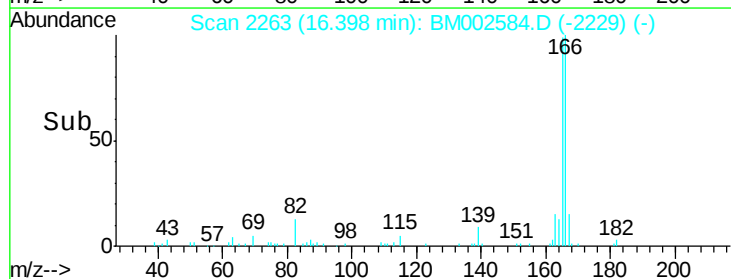
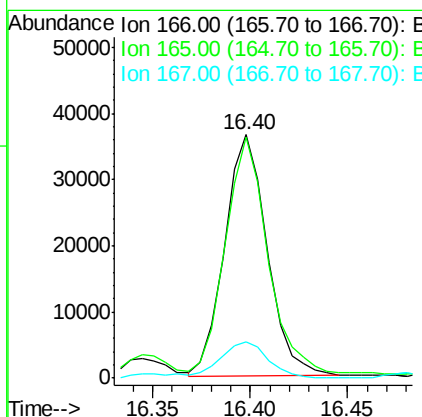
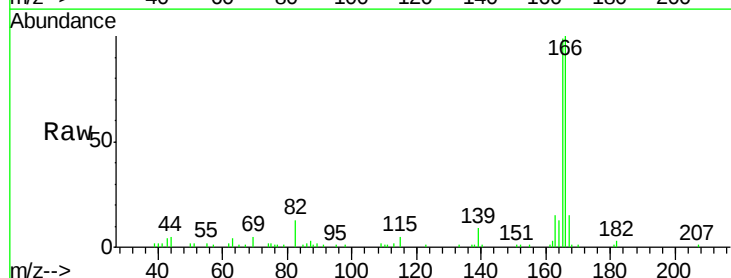
RT: 16.40 min Scan# 2263

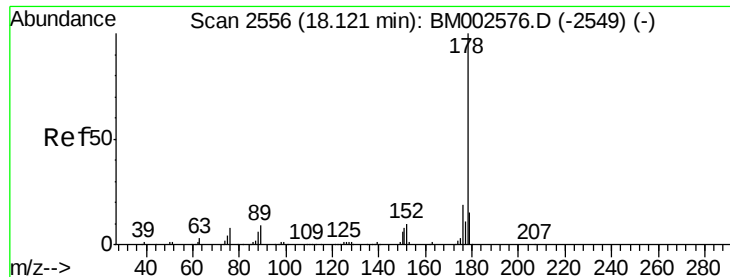
Delta R.T. 0.00 min

Lab File: BM002584.D

Acq: 30 Aug 2015 02:59

Tgt Ion:	166	Resp:	55289
Ion Ratio	Lower	Upper	
166	100		
165	99.3	77.6	116.4
167	14.7	10.7	16.1





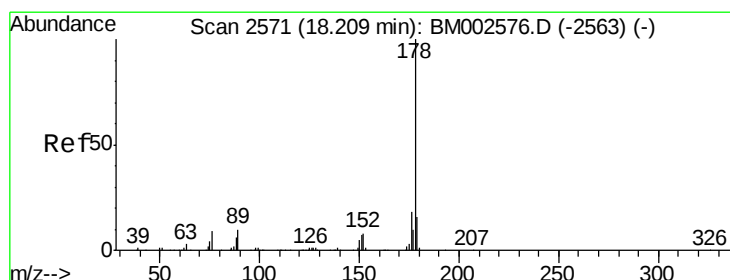
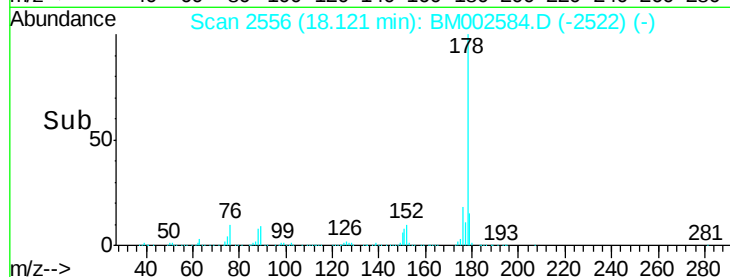
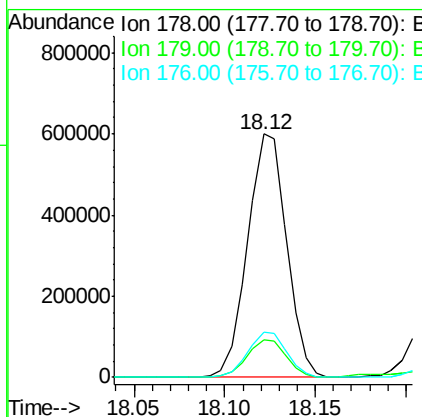
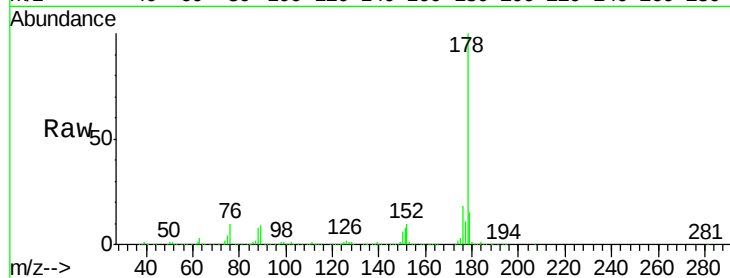
#13
Phenanthrene
Concen: 27.52 ng/ul
RT: 18.12 min Scan# 2556
Delta R.T. 0.00 min
Lab File: BM002584.D
Acq: 30 Aug 2015 02:59

Instrument :
BNA_M
ClientSampleId :
D9E85

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	899211		
179	15.5	12.4	18.6	
176	18.4	15.1	22.7	

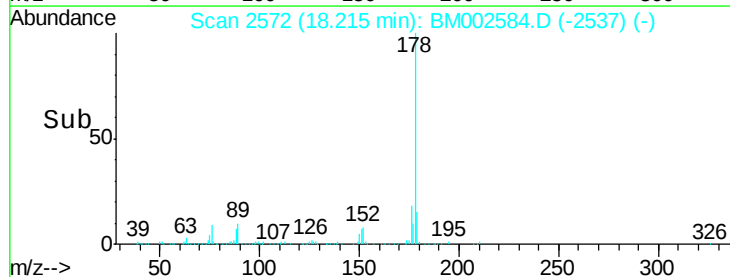
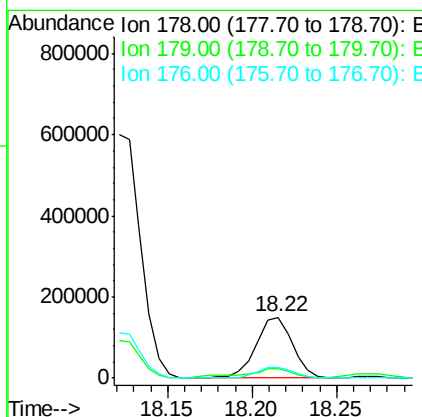
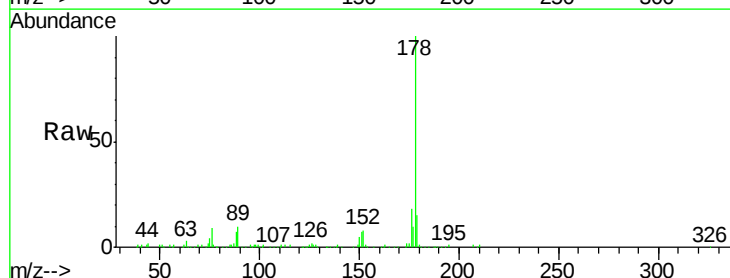
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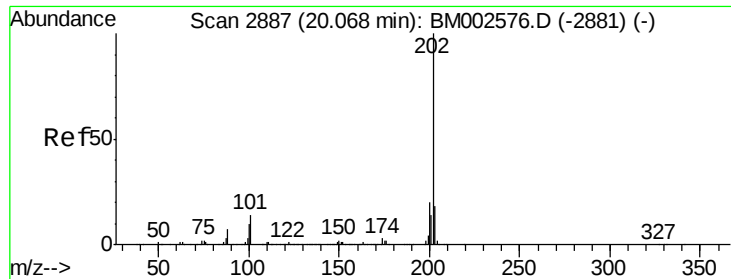
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#15
Anthracene
Concen: 6.80 ng/ul
RT: 18.22 min Scan# 2572
Delta R.T. 0.01 min
Lab File: BM002584.D
Acq: 30 Aug 2015 02:59

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	225267		
179	15.2	12.6	18.8	
176	17.6	14.5	21.7	





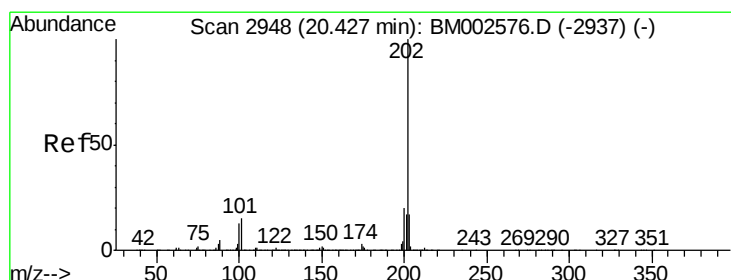
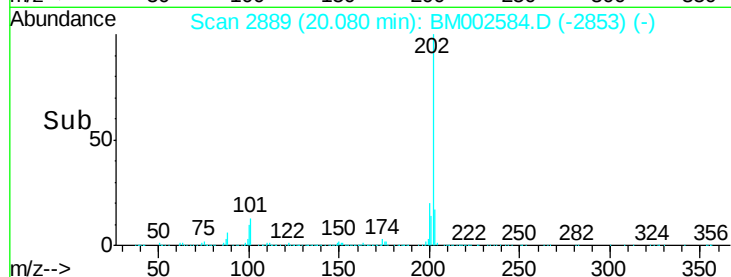
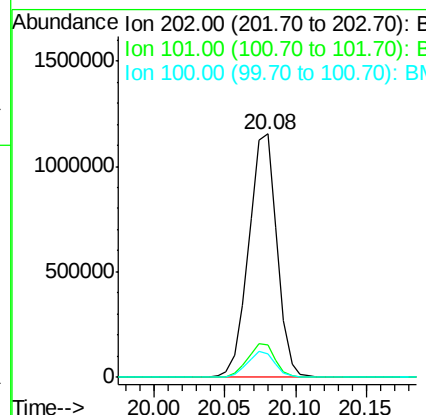
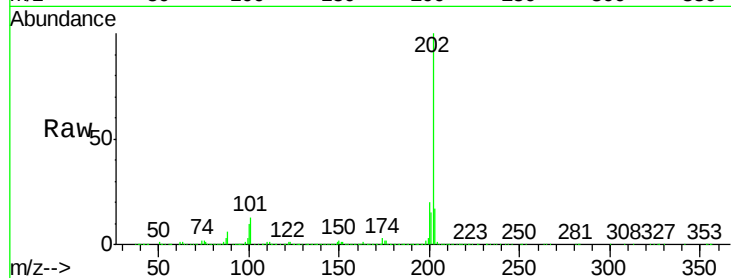
#16
Fluoranthene
 Concen: 43.56 ng/ul
 RT: 20.08 min Scan# 2889
 Delta R.T. 0.01 min
 Lab File: BM002584.D
 Acq: 30 Aug 2015 02:59

Instrument :
 BNA_M
 ClientSampleId :
 D9E85

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.3	9.7	14.5
100	9.7	7.4	11.2

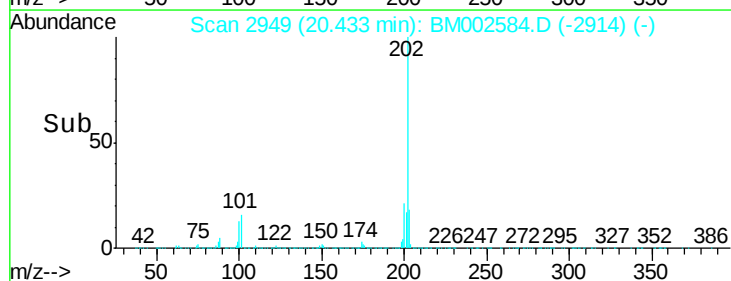
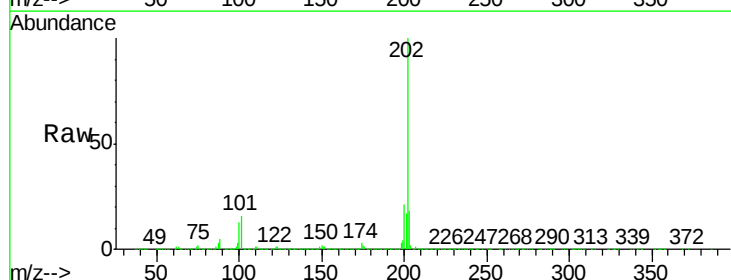
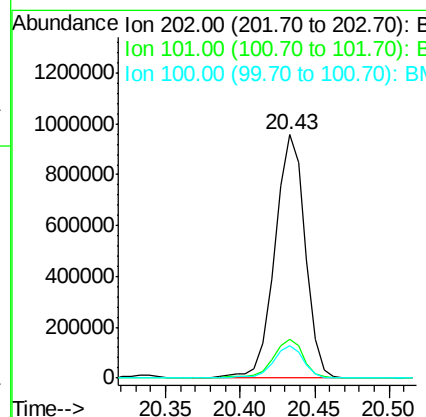
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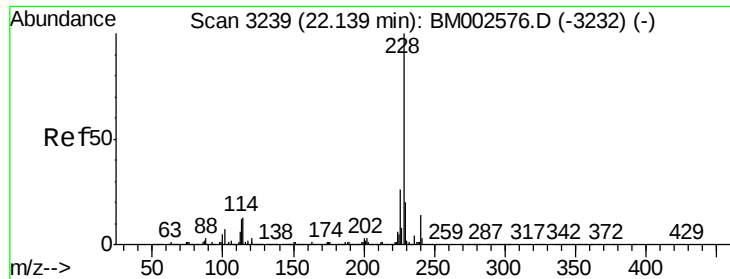
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#19
Pyrene
 Concen: 39.16 ng/ul
 RT: 20.43 min Scan# 2949
 Delta R.T. 0.01 min
 Lab File: BM002584.D
 Acq: 30 Aug 2015 02:59

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.1	12.0	18.0
100	13.1	9.7	14.5





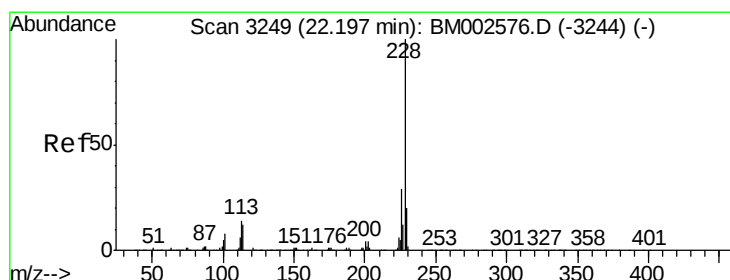
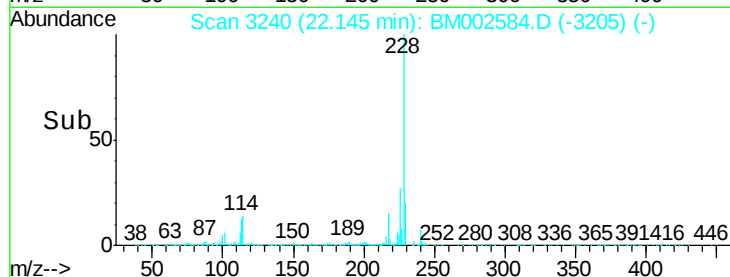
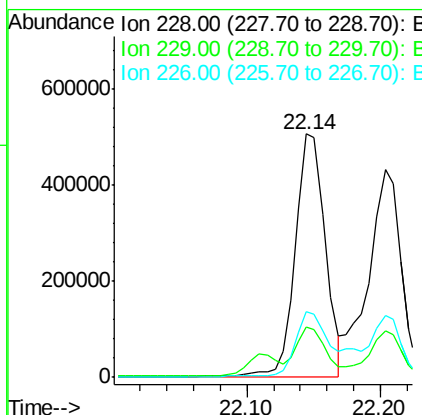
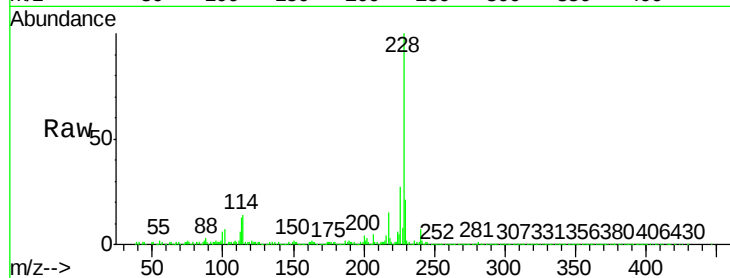
#20
Benzo(a)anthracene
Concen: 22.12 ng/ul
RT: 22.14 min Scan# 3240
Delta R.T. 0.01 min
Lab File: BM002584.D
Acq: 30 Aug 2015 02:59

Instrument :
BNA_M
ClientSampleId :
D9E85

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.8	23.6
226	26.9	21.1	31.7

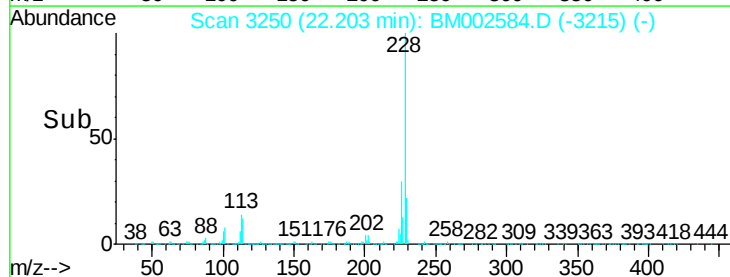
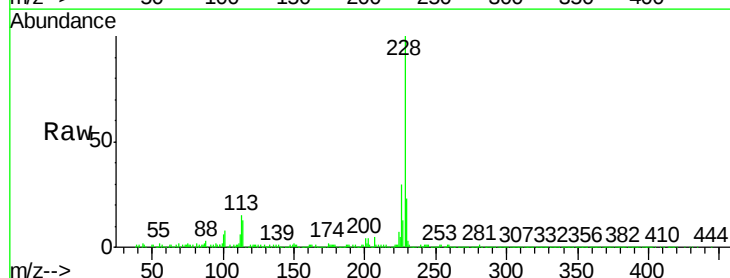
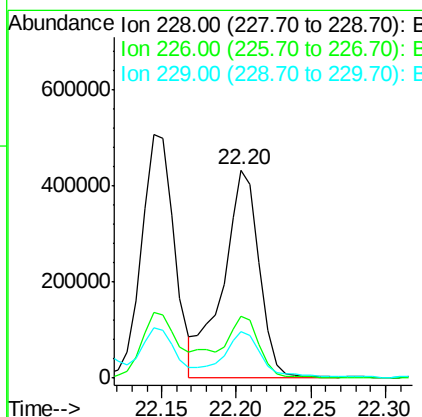
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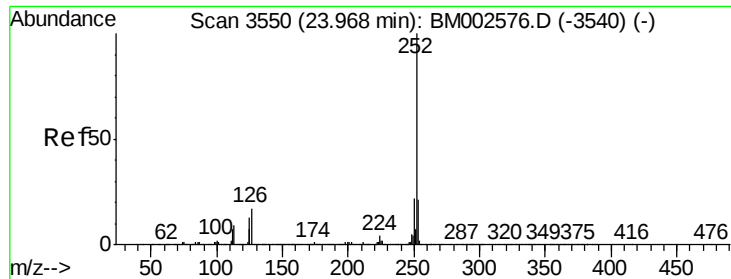
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#21
Chrysene
Concen: 22.04 ng/ul
RT: 22.20 min Scan# 3250
Delta R.T. 0.01 min
Lab File: BM002584.D
Acq: 30 Aug 2015 02:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.4	35.2
229	22.6	15.7	23.5





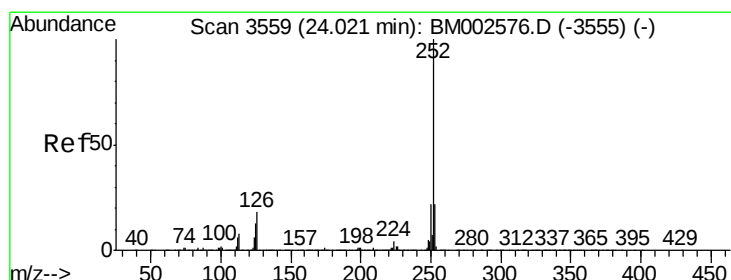
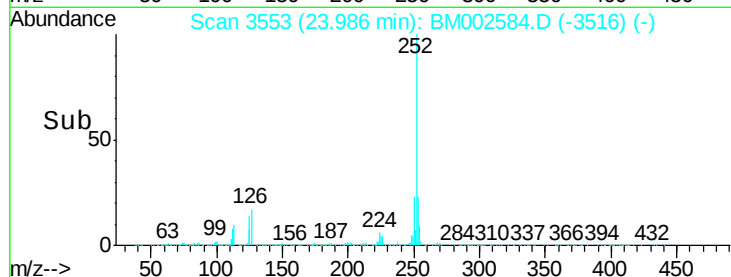
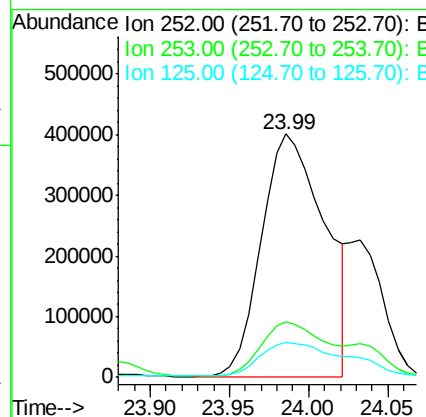
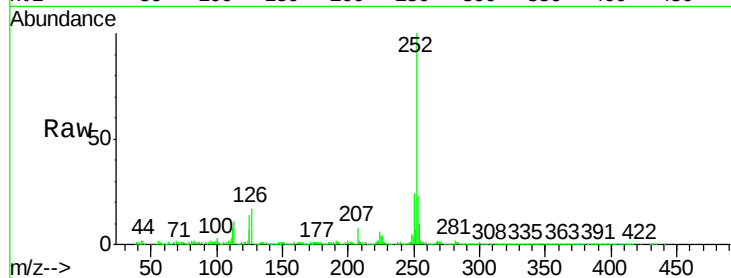
#23
Benzo(b)fluoranthene
Concen: 29.88 ng/ul
RT: 23.99 min Scan# 3553
Delta R.T. 0.02 min
Lab File: BM002584.D
Acq: 30 Aug 2015 02:59

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ClientSampleId :
D9E85

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.0
125	14.3	10.0	15.0

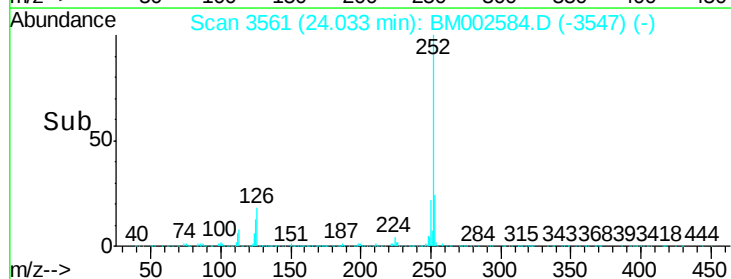
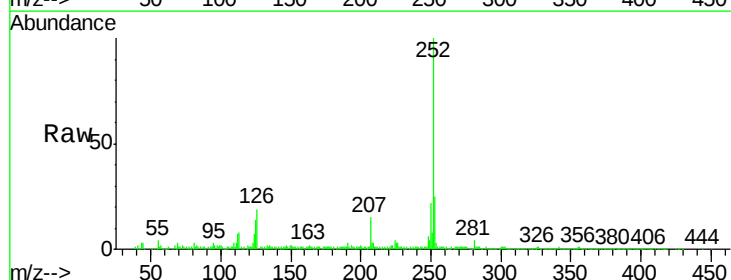
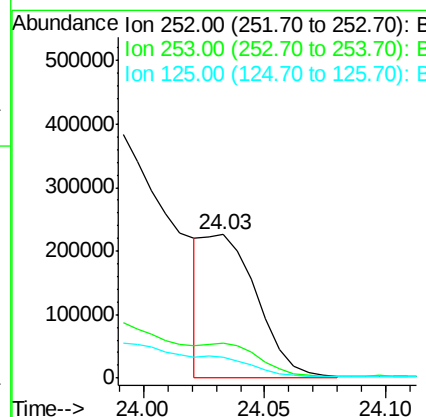
Manual Integrations
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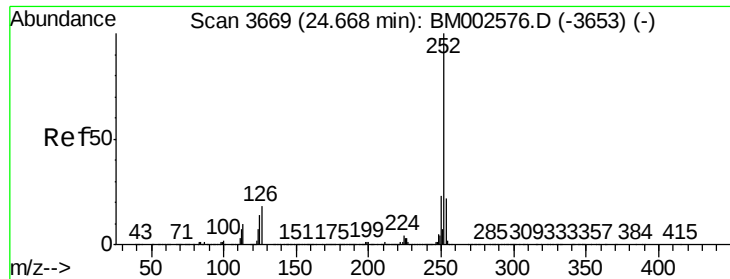
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#24
Benzo(k)fluoranthene
Concen: 9.85 ng/ul m
RT: 24.03 min Scan# 3561
Delta R.T. 0.01 min
Lab File: BM002584.D
Acq: 30 Aug 2015 02:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.8	26.6
125	14.4	9.8	14.8





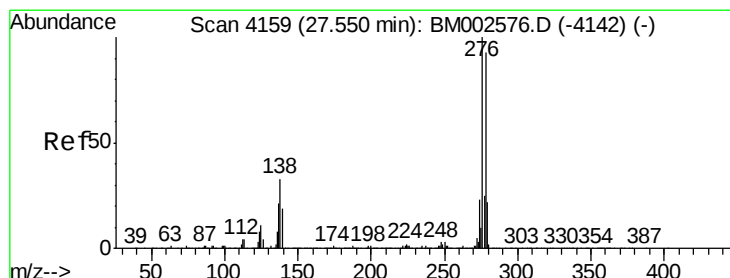
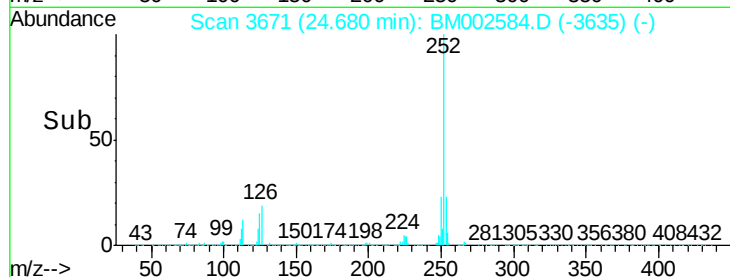
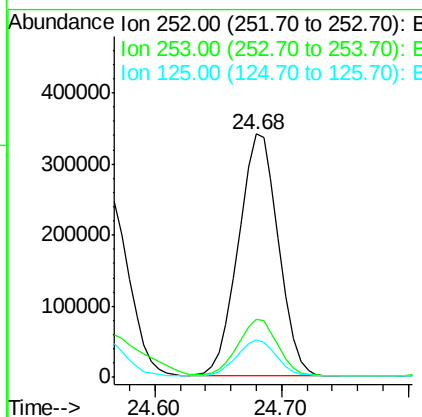
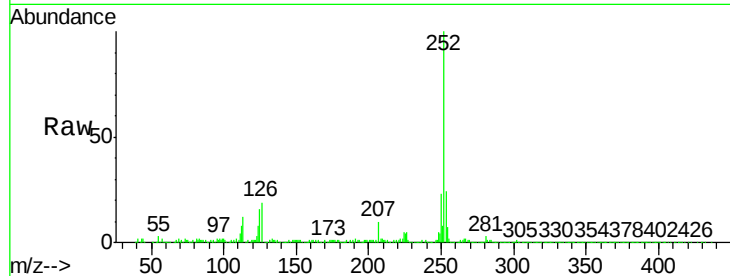
#26
Benzo(a)pyrene
Concen: 21.06 ng/ul
RT: 24.68 min Scan# 3671
Delta R.T. 0.01 min
Lab File: BM002584.D
Acq: 30 Aug 2015 02:59

Instrument :
BNA_M
ClientSampleId :
D9E85

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.6	17.6	26.4
125	15.5	10.7	16.1

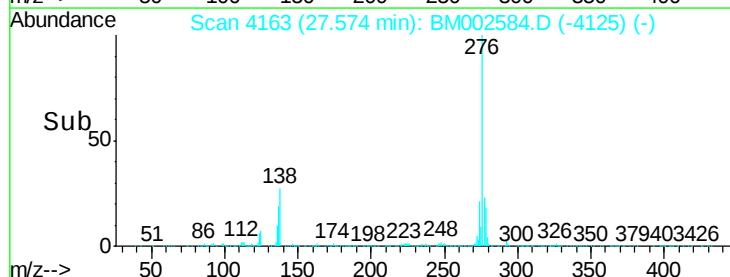
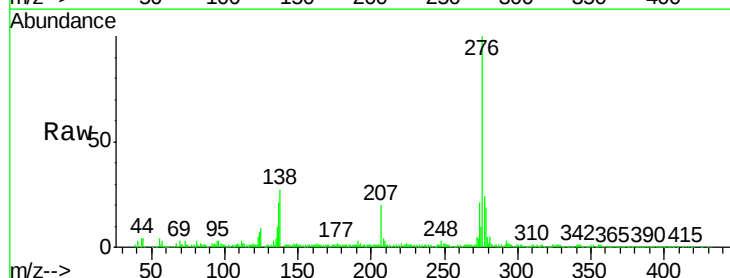
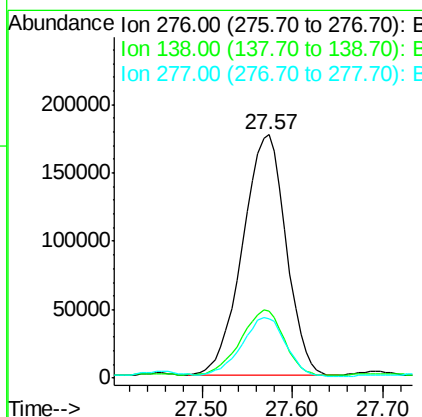
Manual Integrations
APPROVED

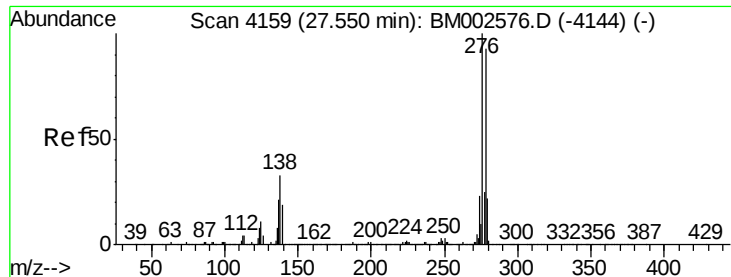
MMDadoda
8/31/2015 1:52:37 PM



#27
Indeno(1,2,3-cd)pyrene
Concen: 14.39 ng/ul
RT: 27.57 min Scan# 4163
Delta R.T. 0.02 min
Lab File: BM002584.D
Acq: 30 Aug 2015 02:59

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	27.3	25.3	37.9
277	24.2	20.2	30.2





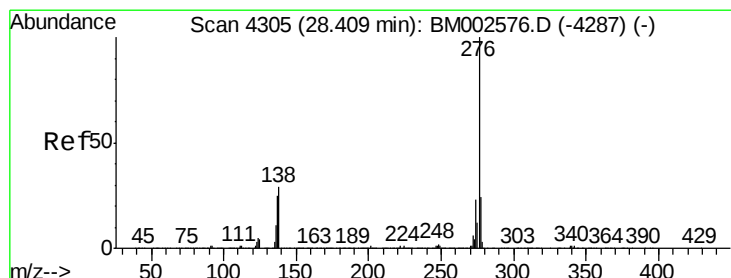
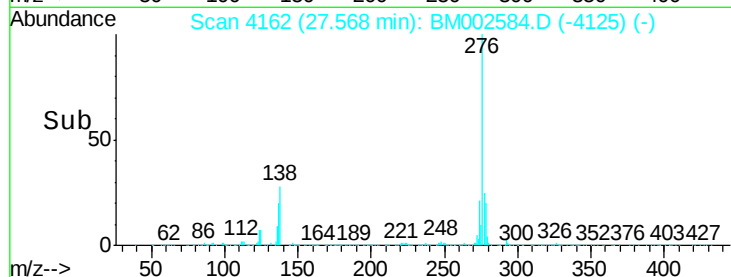
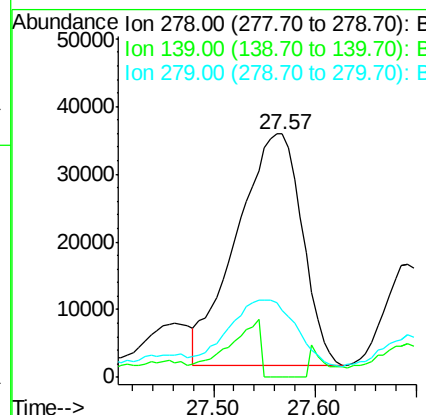
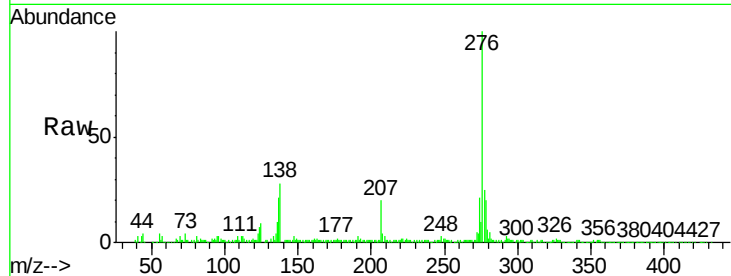
#28
Dibenzo(a,h)anthracene
Concen: 4.52 ng/ul
RT: 27.57 min Scan# 4162
Delta R.T. 0.02 min
Lab File: BM002584.D
Acq: 30 Aug 2015 02:59

Instrument :
BNA_M
ClientSampleId :
D9E85

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.5	24.7#
279	27.5	18.8	28.2

Manual Integrations
APPROVED

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8/31/2015 1:52:37 PM



#29
Benzo(g,h,i)perylene
Concen: 15.49 ng/ul
RT: 28.44 min Scan# 4310
Delta R.T. 0.03 min
Lab File: BM002584.D
Acq: 30 Aug 2015 02:59

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.4	21.0	31.6
277	24.0	19.2	28.8

