

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081715\
 Data File : BM002456.D
 Acq On : 17 Aug 2015 18:03
 Operator : UM/IZ
 Sample : G3227-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9DC6

Manual Integrations
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 8/18/2015 5:15:52 PM

Quant Time: Aug 18 02:38:09 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	156609	20.00	ng/ul	0.00
2) Naphthalene-d8	11.75	136	700621	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.46	164	362612	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.16	188	708298	20.00	ng/ul	0.00
17) Chrysene-d12	22.24	240	469785	20.00	ng/ul	0.00
22) Perylene-d12	24.92	264	440392	20.00	ng/ul	0.01

System Monitoring Compounds

7) Acenaphthylene-d8	15.16	160	594403	16.03	ng/ul	0.00
10) Fluorene-d10	16.43	176	396918	15.24	ng/ul	0.00
14) Anthracene-d10	18.26	188	556776	16.30	ng/ul	0.00
18) Pyrene-d10	20.48	212	467216	22.44	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.74	264	357746	15.46	ng/ul	0.00

Target Compounds

						Qvalue
3) Naphthalene	11.80	128	185048	5.18	ng/ul	100
4) 2-Methylnaphthalene	13.34	142	66138	2.47	ng/ul	99
5) 1-Methylnaphthalene	13.55	142	49503	1.87	ng/ul	99
8) Acenaphthylene	15.19	152	52129	1.34	ng/ul	99
9) Acenaphthene	15.52	153	179004	7.00	ng/ul	99
11) Fluorene	16.48	166	173327	5.92	ng/ul	99
13) Phenanthrene	18.21	178	1806311	44.16	ng/ul	100
15) Anthracene	18.30	178	475141	11.46	ng/ul	99
16) Fluoranthene	20.16	202	2109485	45.56	ng/ul	99
19) Pyrene	20.51	202	1488314	54.08	ng/ul	100
20) Benzo(a)anthracene	22.23	228	727157	25.88	ng/ul	98
21) Chrysene	22.29	228	652915	24.85	ng/ul	97
23) Benzo(b)fluoranthene	24.09	252	870466	32.70	ng/ul	97
24) Benzo(k)fluoranthene	24.14	252	294197m	11.66	ng/ul	
26) Benzo(a)pyrene	24.80	252	567646	22.32	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	27.75	276	424793	14.53	ng/ul	94
28) Dibenzo(a,h)anthracene	27.74	278	112446	4.60	ng/ul#	72
29) Benzo(g,h,i)perylene	28.64	276	354808	14.57	ng/ul	98

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

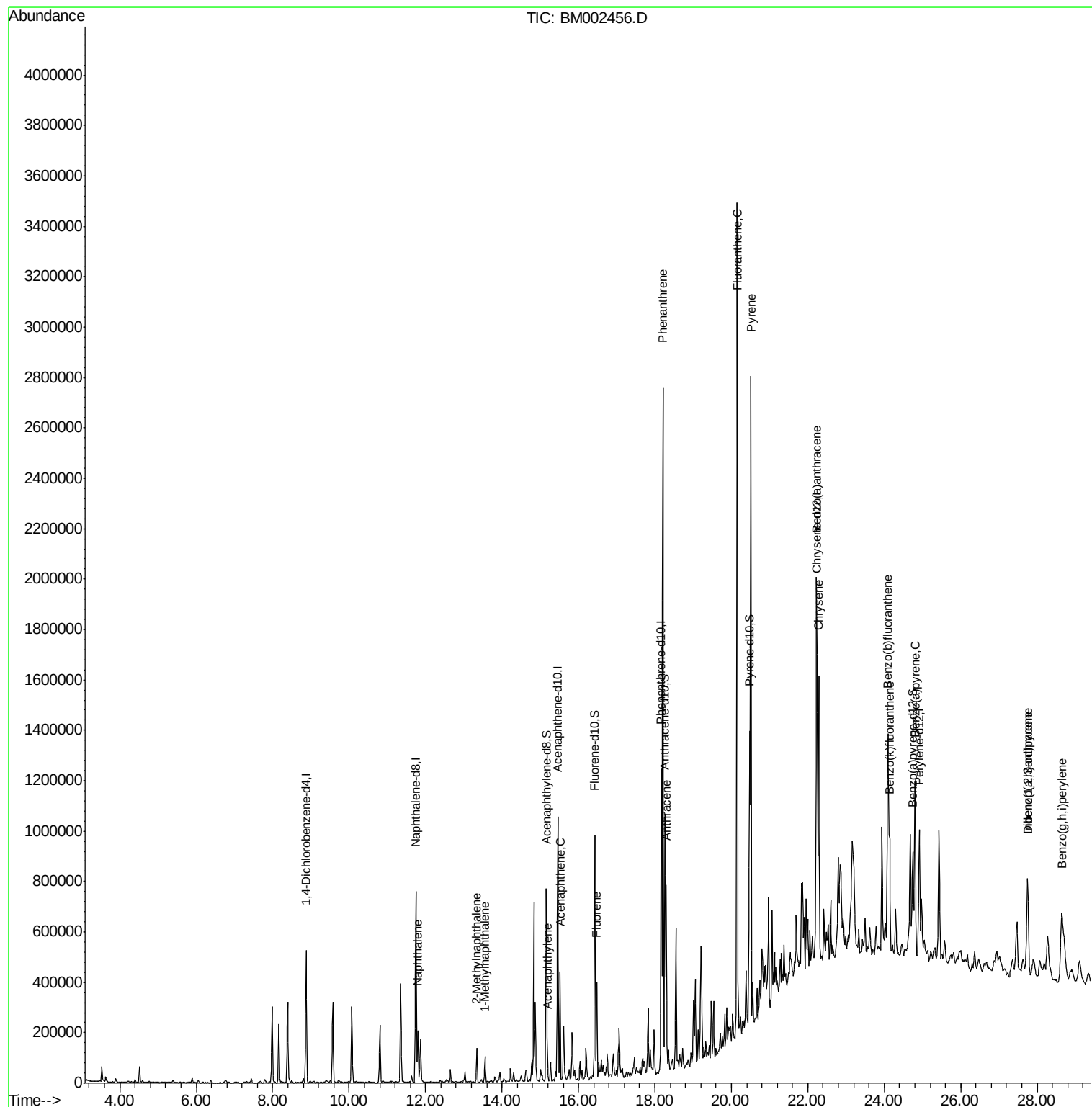
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081715\
Data File : BM002456.D
Acq On : 17 Aug 2015 18:03
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Sample : G3227-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

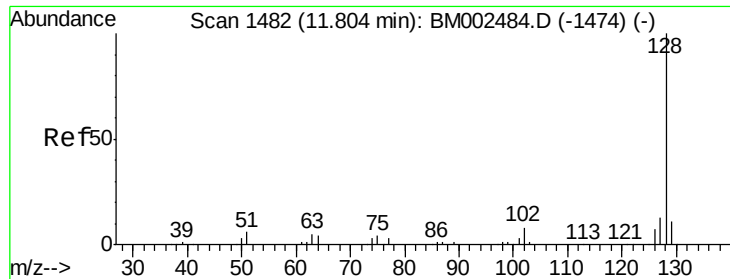
Instrument :
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D9DC6

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Quant Time: Aug 18 02:38:09 2015
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Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 18 01:54:16 2015
Response via : Initial Calibration





#3

Naphthalene

Concen: 5.18 ng/ul

RT: 11.80 min Scan# 1481

Delta R.T. 0.01 min

Lab File: BM002456.D

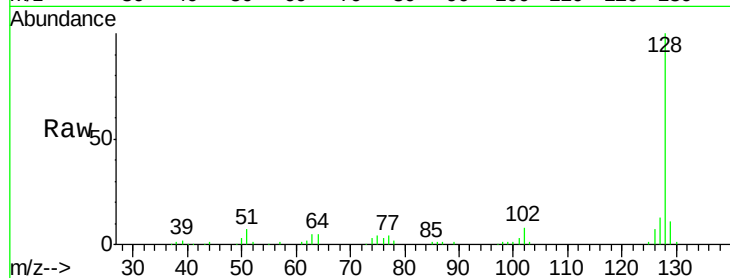
Acq: 17 Aug 2015 18:03

Instrument :

BNA_M

ClientSampleId :

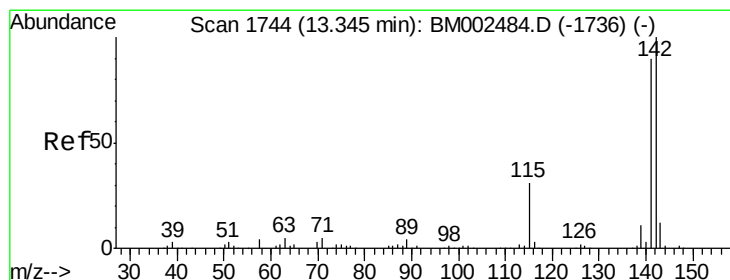
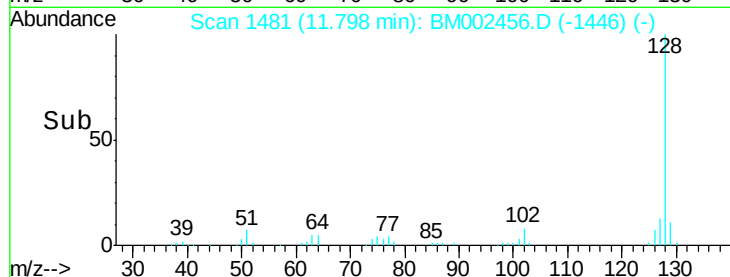
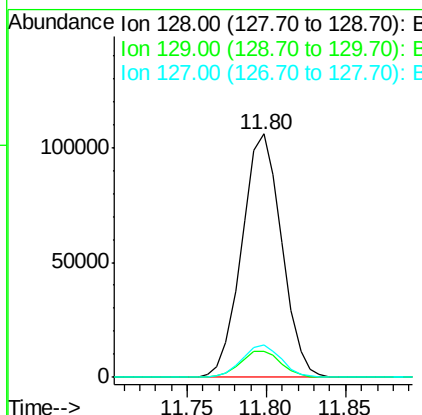
D9DC6



Tgt Ion:	128	Resp:	185048
Ion Ratio	Lower	Upper	
128	100		
129	10.9	8.6	12.8
127	13.1	10.4	15.6

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#4

2-Methylnaphthalene

Concen: 2.47 ng/ul

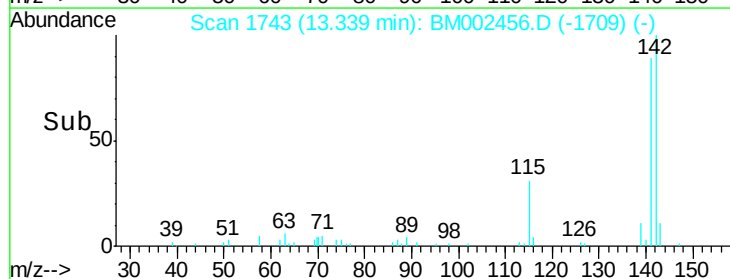
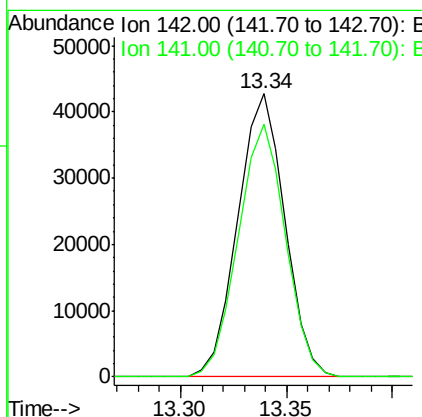
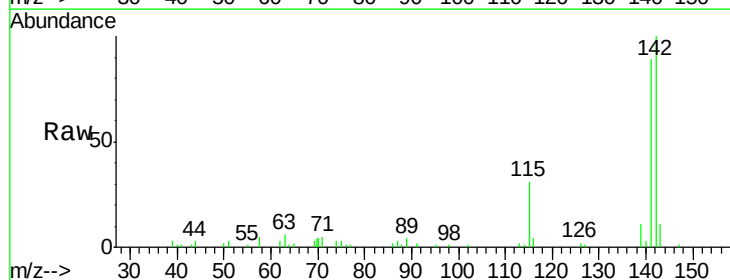
RT: 13.34 min Scan# 1743

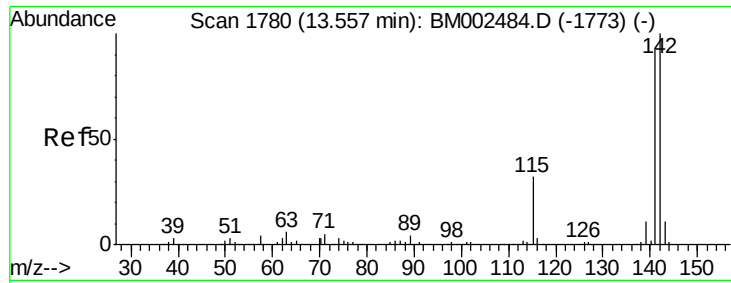
Delta R.T. 0.00 min

Lab File: BM002456.D

Acq: 17 Aug 2015 18:03

Tgt Ion:	142	Resp:	66138
Ion Ratio	Lower	Upper	
142	100		
141	89.5	72.2	108.2





#5

1-Methylnaphthalene

Concen: 1.87 ng/ul

RT: 13.55 min Scan# 1779

Delta R.T. 0.00 min

Lab File: BM002456.D

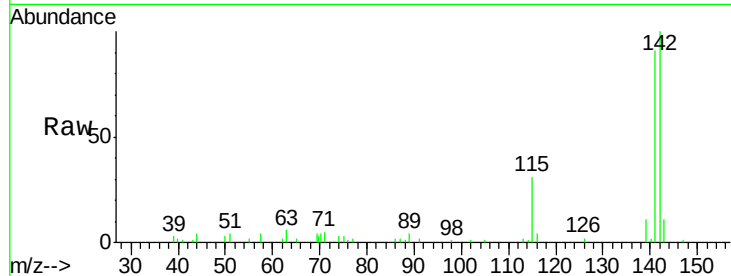
Acq: 17 Aug 2015 18:03

Instrument :

BNA_M

ClientSampleId :

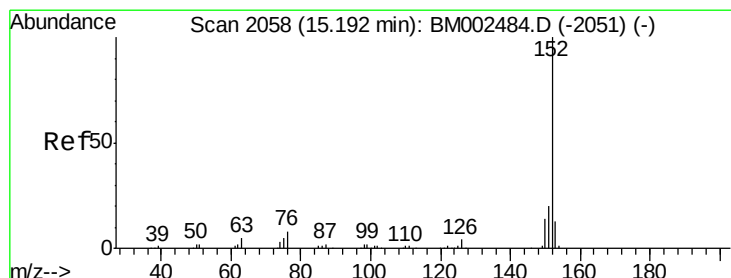
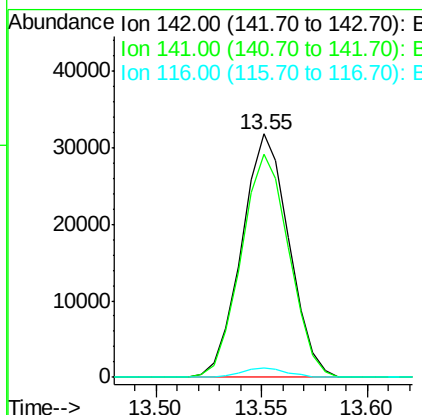
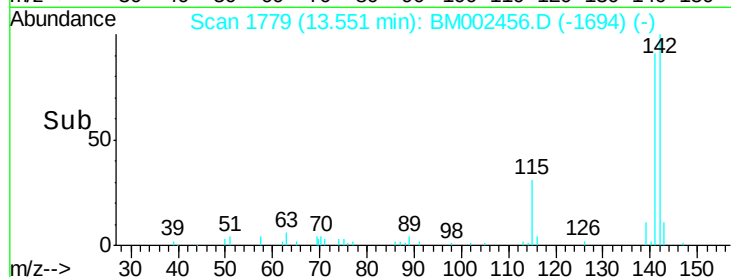
D9DC6



Tgt Ion:	142	Resp:	49503
Ion Ratio	Lower	Upper	
142	100		
141	91.4	73.9	110.9
116	3.9	3.0	4.4

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#8

Acenaphthylene

Concen: 1.34 ng/ul

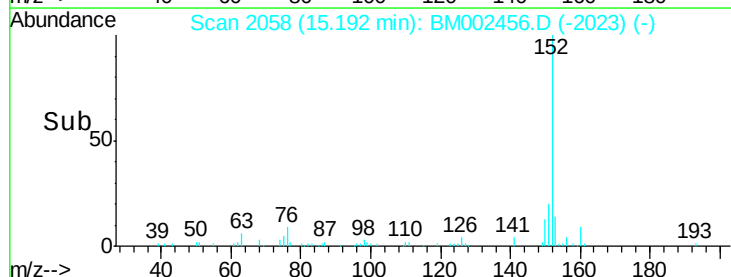
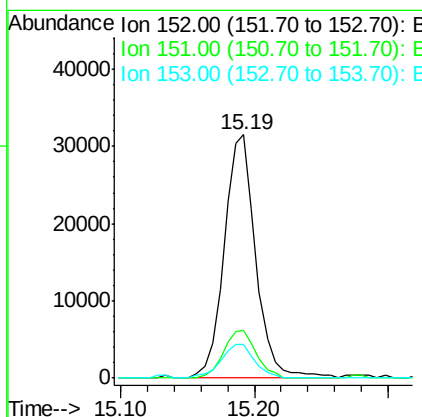
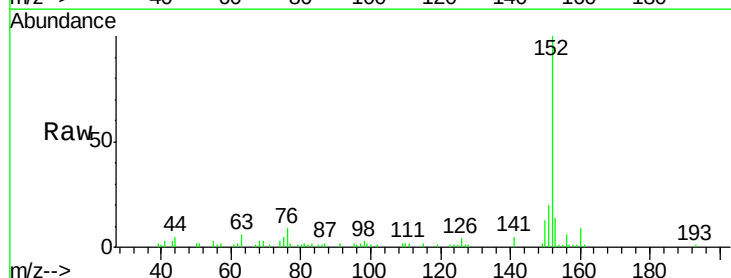
RT: 15.19 min Scan# 2058

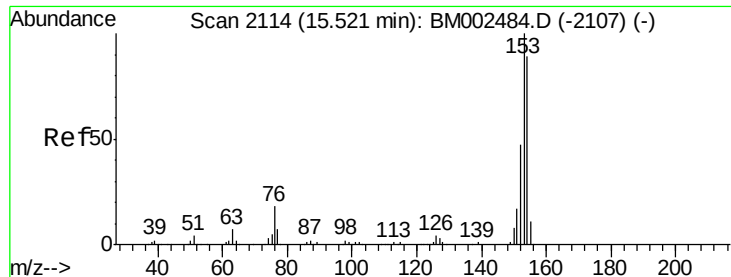
Delta R.T. 0.01 min

Lab File: BM002456.D

Acq: 17 Aug 2015 18:03

Tgt Ion:	152	Resp:	52129
Ion Ratio	Lower	Upper	
152	100		
151	19.6	15.7	23.5
153	13.9	10.2	15.4





#9

Acenaphthene

Concen: 7.00 ng/ul

RT: 15.52 min Scan# 2113

Delta R.T. 0.00 min

Lab File: BM002456.D

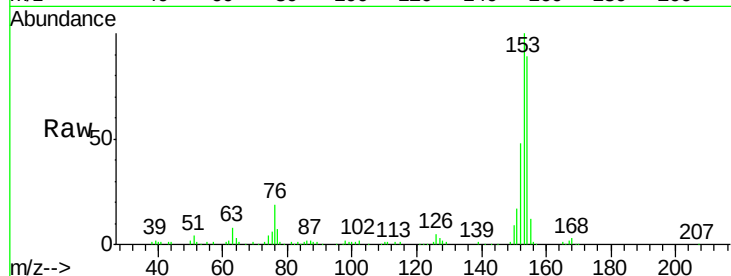
Acq: 17 Aug 2015 18:03

Instrument :

BNA_M

ClientSampleId :

D9DC6



Tgt Ion:153 Resp: 179004

Ion Ratio Lower Upper

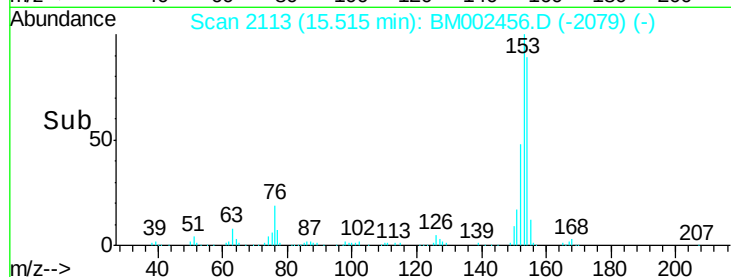
153 100

152 47.9 36.9 55.3

154 88.6 71.3 106.9

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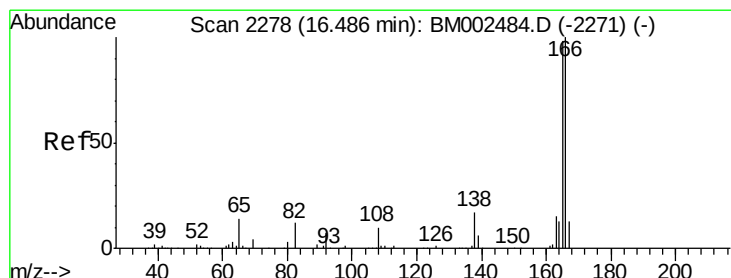
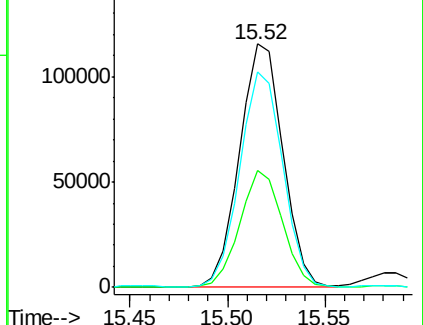
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#11

Fluorene

Concen: 5.92 ng/ul

RT: 16.48 min Scan# 2277

Delta R.T. 0.00 min

Lab File: BM002456.D

Acq: 17 Aug 2015 18:03

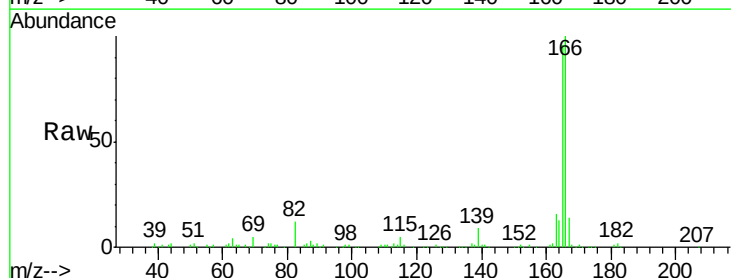
Tgt Ion:166 Resp: 173327

Ion Ratio Lower Upper

166 100

165 96.4 77.6 116.4

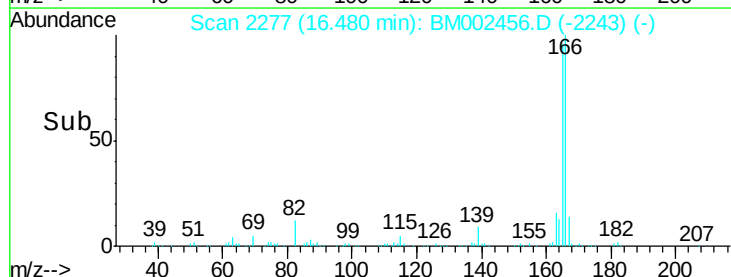
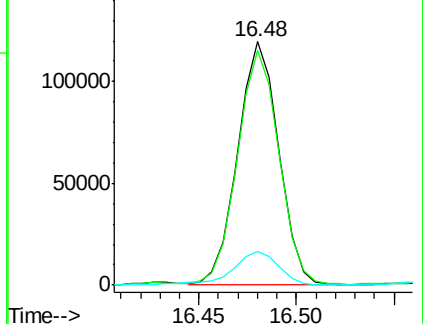
167 14.0 10.7 16.1

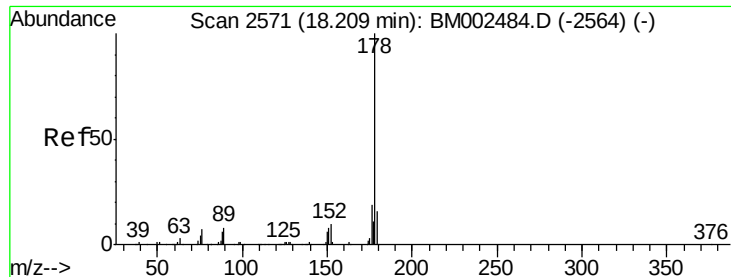


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 44.16 ng/ul

RT: 18.21 min Scan# 2571

Delta R.T. 0.01 min

Lab File: BM002456.D

Acq: 17 Aug 2015 18:03

Instrument :

BNA_M

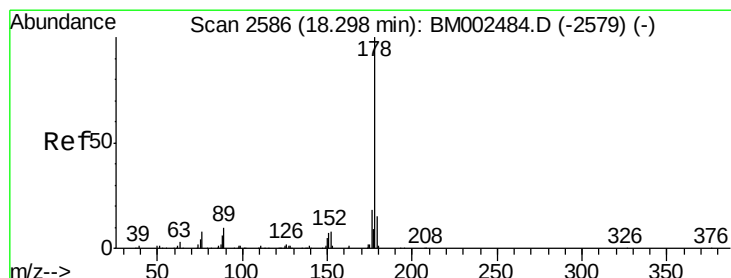
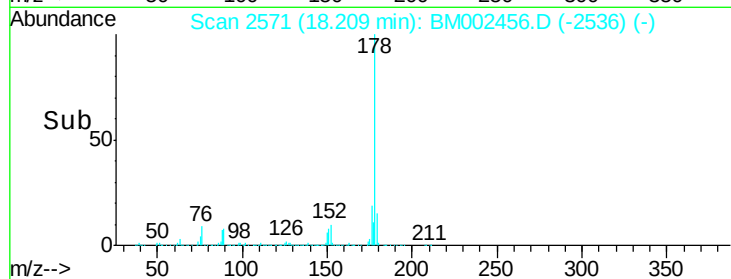
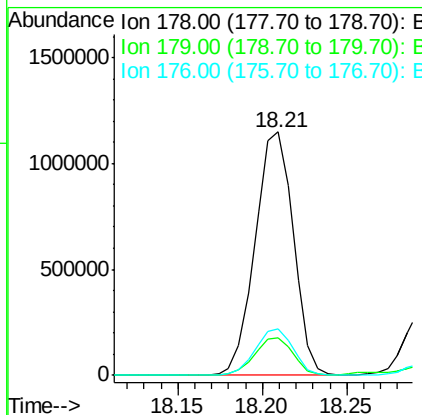
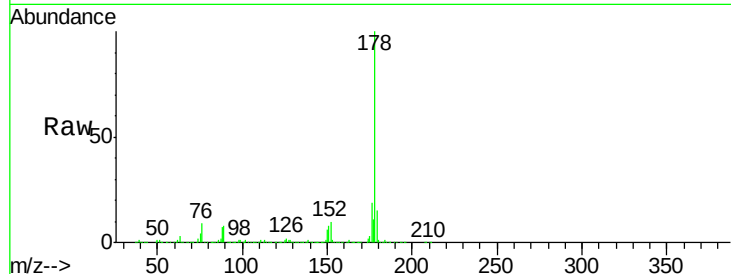
ClientSampleId :

D9DC6

Tgt Ion:	178	Resp:	1806311
Ion Ratio	Lower	Upper	
178	100		
179	15.3	12.4	18.6
176	18.9	15.1	22.7

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#15

Anthracene

Concen: 11.46 ng/ul

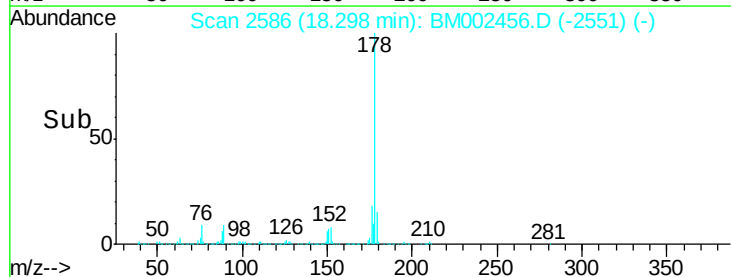
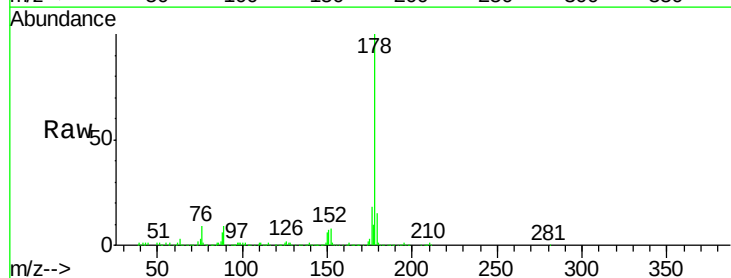
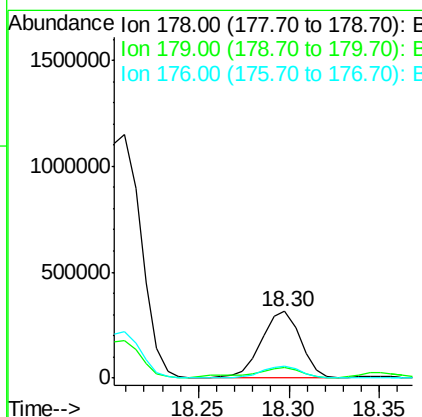
RT: 18.30 min Scan# 2586

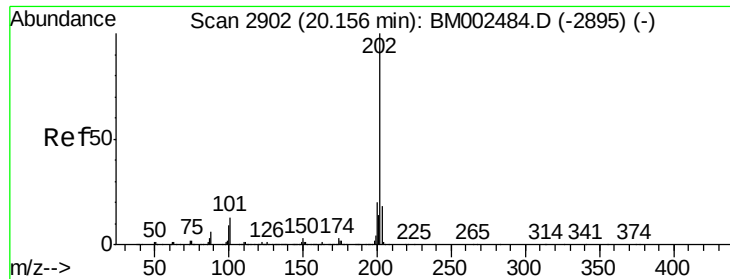
Delta R.T. 0.01 min

Lab File: BM002456.D

Acq: 17 Aug 2015 18:03

Tgt Ion:	178	Resp:	475141
Ion Ratio	Lower	Upper	
178	100		
179	15.5	12.6	18.8
176	18.4	14.5	21.7





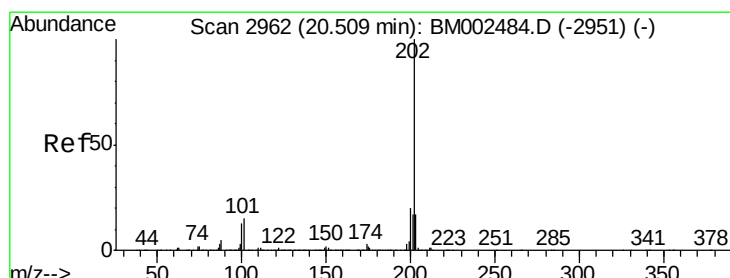
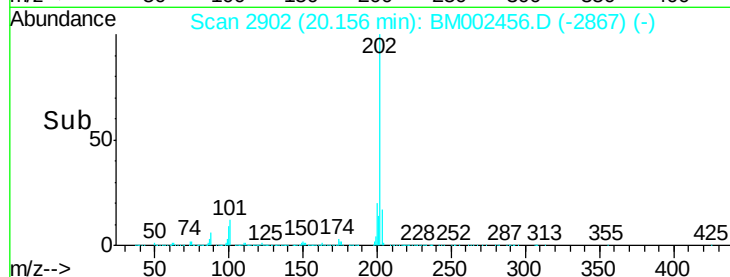
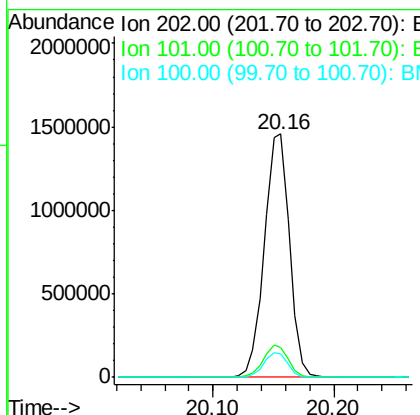
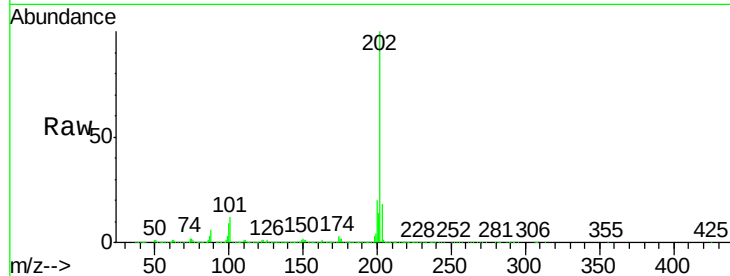
#16
Fluoranthene
 Concen: 45.56 ng/ul
 RT: 20.16 min Scan# 2902
 Delta R.T. 0.01 min
 Lab File: BM002456.D
 Acq: 17 Aug 2015 18:03

Instrument :
 BNA_M
 ClientSampleId :
 D9DC6

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	2109485		
101	12.4		9.7	14.5
100	9.5		7.4	11.2

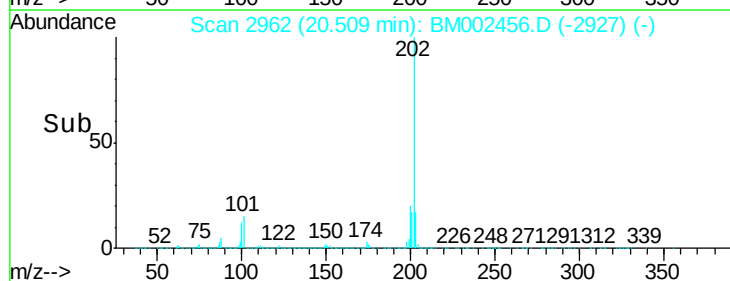
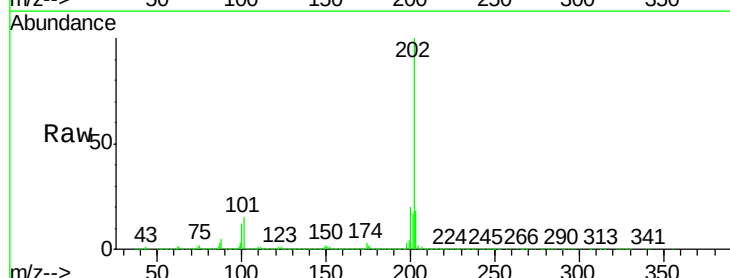
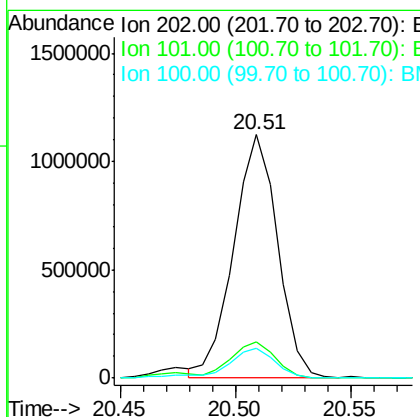
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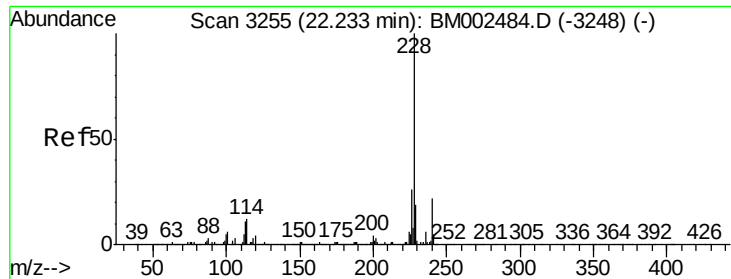
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#19
Pyrene
 Concen: 54.08 ng/ul
 RT: 20.51 min Scan# 2962
 Delta R.T. 0.01 min
 Lab File: BM002456.D
 Acq: 17 Aug 2015 18:03

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1488314		
101	14.9		12.0	18.0
100	12.2		9.7	14.5





#20

Benzo(a)anthracene

Concen: 25.88 ng/ul

RT: 22.23 min Scan# 3254

Delta R.T. 0.01 min

Lab File: BM002456.D

Acq: 17 Aug 2015 18:03

Instrument :

BNA_M

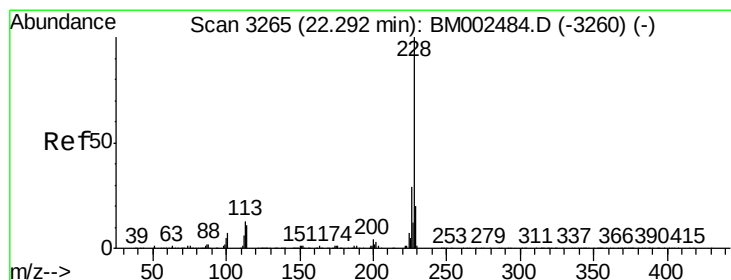
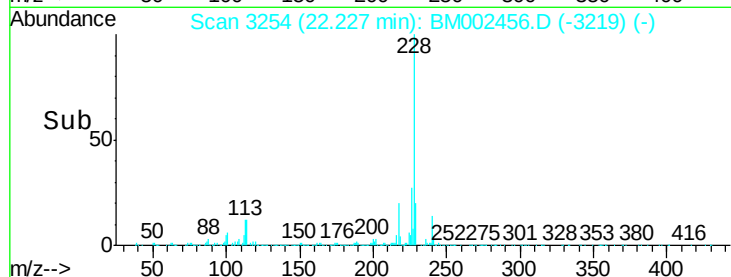
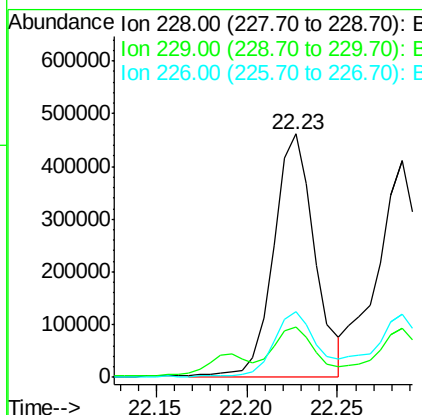
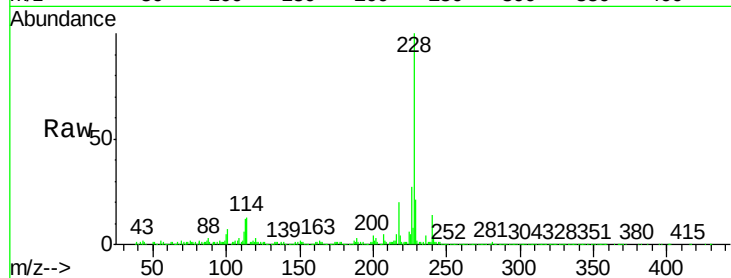
ClientSampleId :

D9DC6

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	727157		
229	20.7	15.8	23.6	
226	26.9	21.1	31.7	

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#21

Chrysene

Concen: 24.85 ng/ul

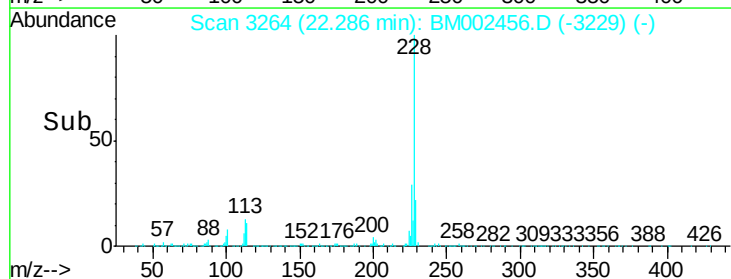
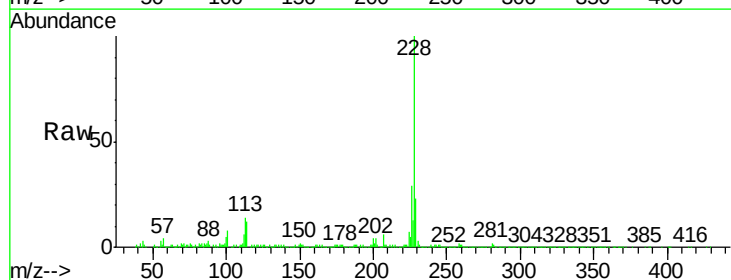
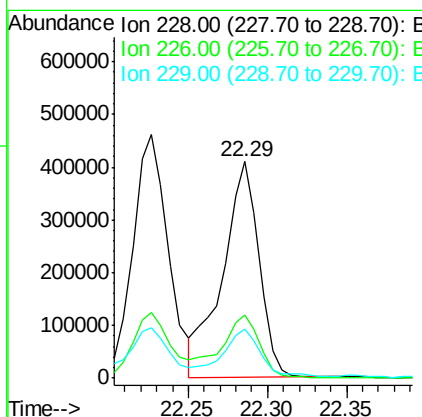
RT: 22.29 min Scan# 3264

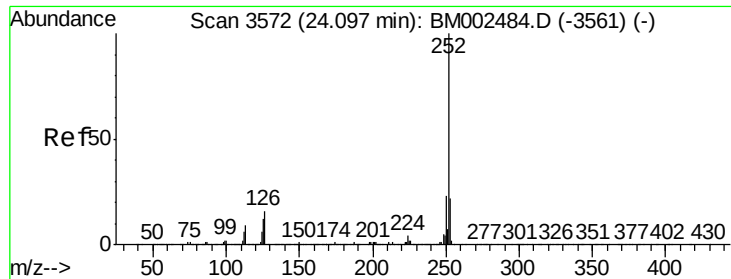
Delta R.T. 0.01 min

Lab File: BM002456.D

Acq: 17 Aug 2015 18:03

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	652915		
226	29.2	23.4	35.2	
229	22.8	15.7	23.5	





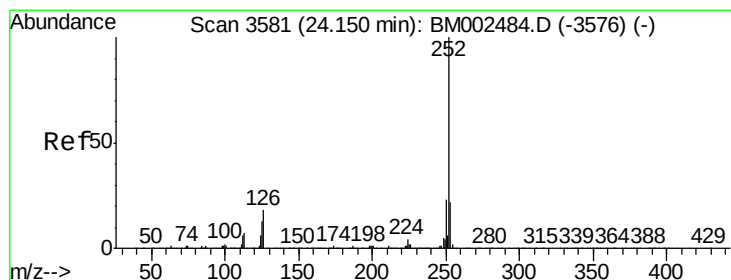
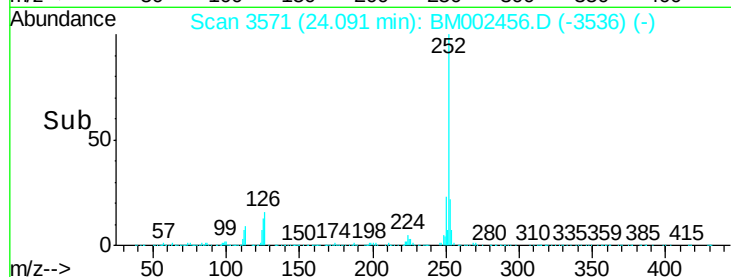
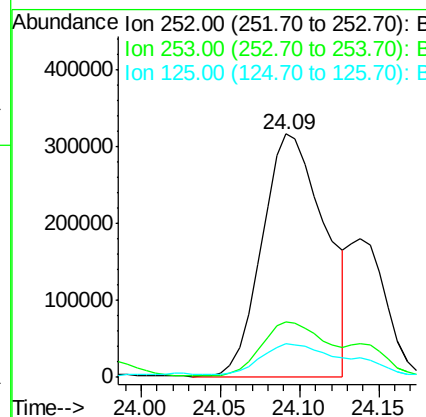
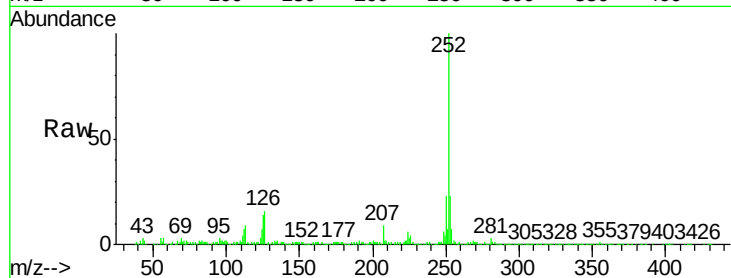
#23
Benzo(b)fluoranthene
Concen: 32.70 ng/ul
RT: 24.09 min Scan# 3571
Delta R.T. 0.01 min
Lab File: BM002456.D
Acq: 17 Aug 2015 18:03

Instrument :
BNA_M
ClientSampleId :
D9DC6

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.0
125	13.9	10.0	15.0

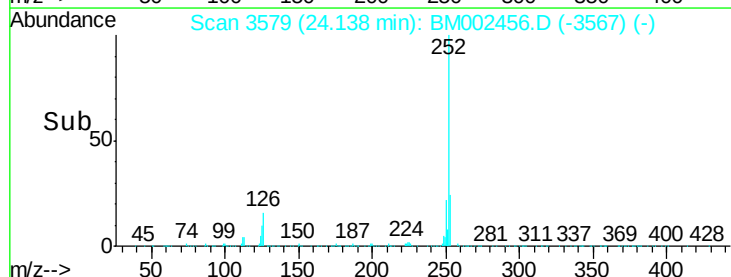
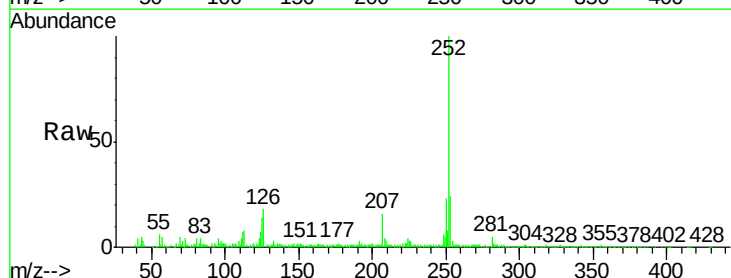
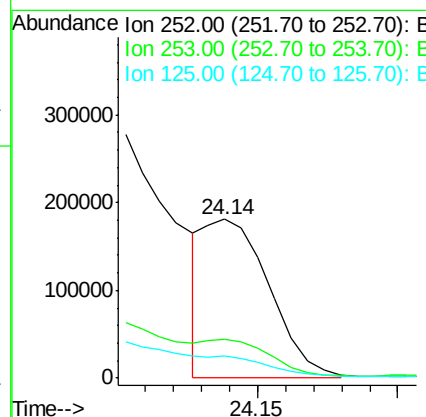
Manual Integrations
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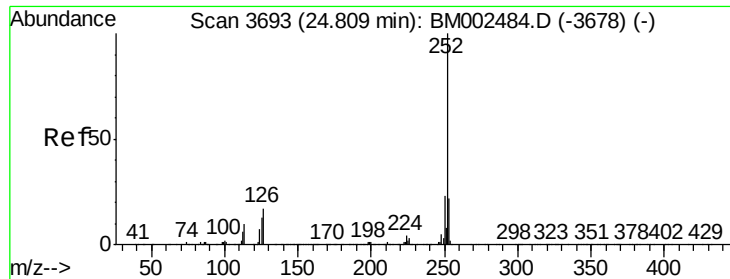
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#24
Benzo(k)fluoranthene
Concen: 11.66 ng/ul m
RT: 24.14 min Scan# 3579
Delta R.T. 0.00 min
Lab File: BM002456.D
Acq: 17 Aug 2015 18:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.8	26.6
125	13.7	9.8	14.8





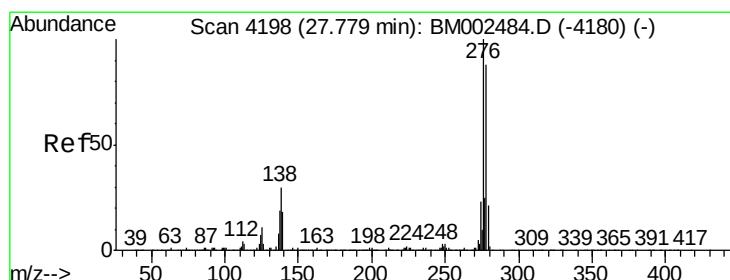
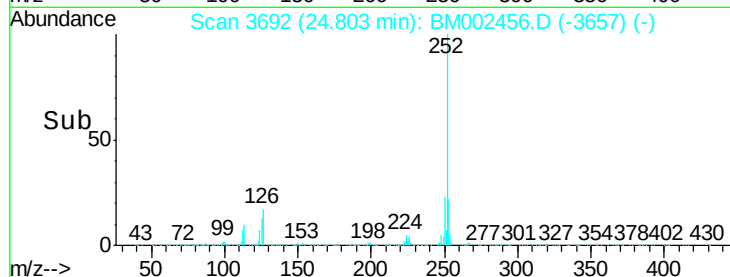
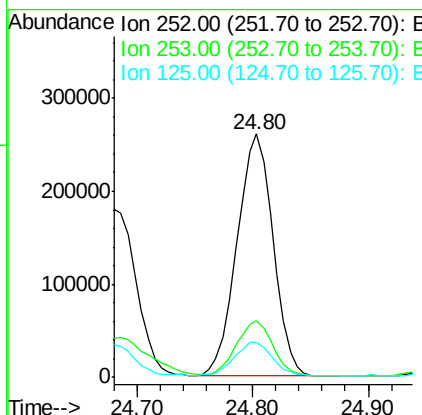
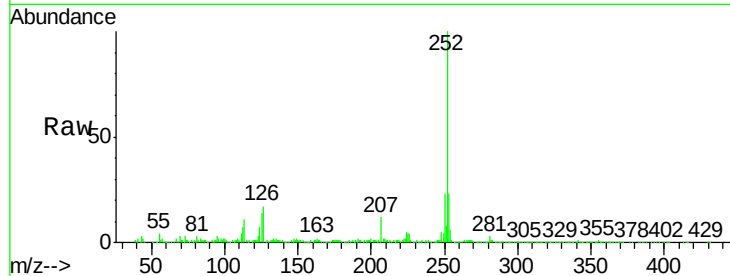
#26
Benzo(a)pyrene
Concen: 22.32 ng/ul
RT: 24.80 min Scan# 3692
Delta R.T. 0.01 min
Lab File: BM002456.D
Acq: 17 Aug 2015 18:03

Instrument :
BNA_M
ClientSampleId :
D9DC6

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.1	17.6	26.4
125	14.2	10.7	16.1

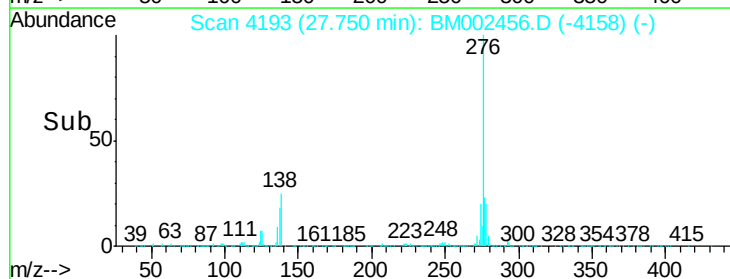
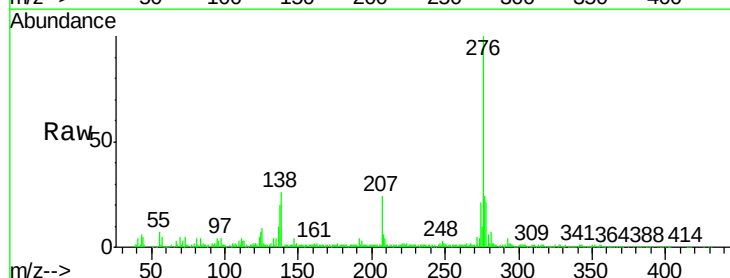
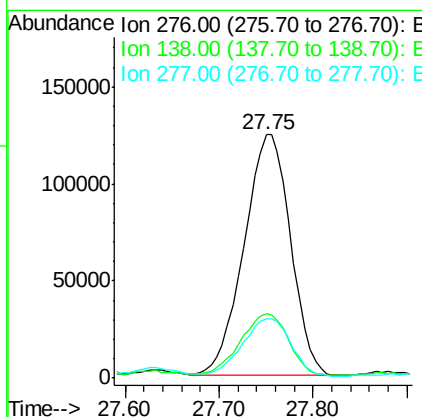
Manual Integrations
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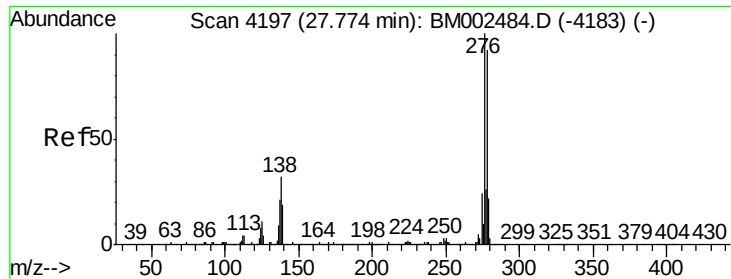
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#27
Indeno(1,2,3-cd)pyrene
Concen: 14.53 ng/ul
RT: 27.75 min Scan# 4193
Delta R.T. 0.01 min
Lab File: BM002456.D
Acq: 17 Aug 2015 18:03

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	26.5	25.3	37.9
277	24.3	20.2	30.2





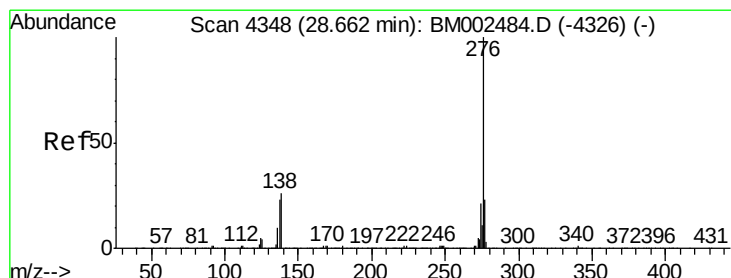
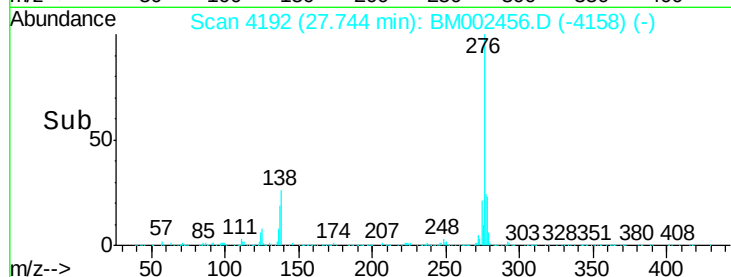
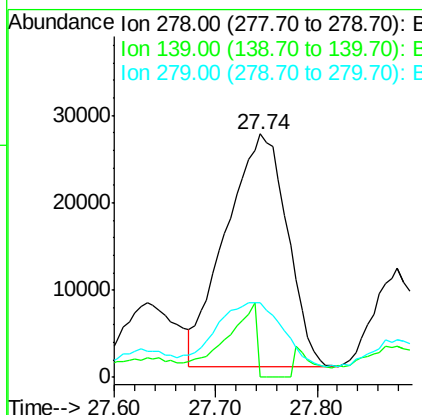
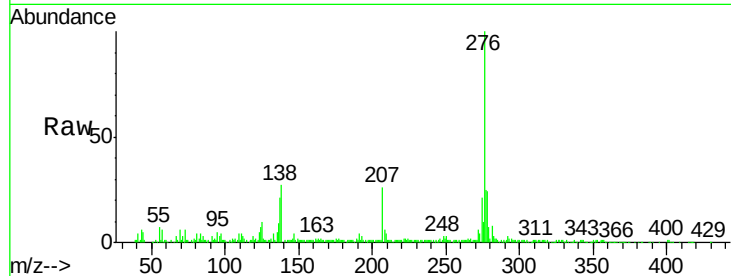
#28
Dibenzo(a,h)anthracene
Concen: 4.60 ng/ul
RT: 27.74 min Scan# 4192
Delta R.T. 0.00 min
Lab File: BM002456.D
Acq: 17 Aug 2015 18:03

Instrument :
BNA_M
ClientSampleId :
D9DC6

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.5	24.7#
279	30.6	18.8	28.2#

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#29
Benzo(g,h,i)perylene
Concen: 14.57 ng/ul
RT: 28.64 min Scan# 4344
Delta R.T. 0.02 min
Lab File: BM002456.D
Acq: 17 Aug 2015 18:03

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.5	21.0	31.6
277	24.5	19.2	28.8

