

Data Path : Z:\HPCHEM1\BNA M\DATA\BM032816\
 Data File : BM004808.D
 Acq On : 28 Mar 2016 15:56
 Operator : UM/SJ
 Sample : H1909-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T46

Manual Integrations
 APPROVED

Sohil
 4/6/2016 5:05:03 PM

Quant Time: Apr 05 20:06:22 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM032516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 05 18:29:16 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	928	0.40	ng/ul	0.00
4) Naphthalene-d8	10.62	136	4244	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	2496	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	5597m	0.40	ng/ul	0.00
18) Chrysene-d12	21.39	240	5962	0.40	ng/ul	0.00
22) Perylene-d12	23.68	264	3853m	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.32	96	3034	7.26	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.21	152	1335	0.23	ng/ul	0.00
16) Fluoranthene-d10	19.23	212	3456	0.26	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	10.67	128	2460	0.24	ng/ul#	91
7) 2-Methylnaphthalene	12.28	142	368	0.05	ng/ul	99
9) Acenaphthylene	14.18	152	3630	0.32	ng/ul#	94
10) Acenaphthene	14.52	153	291	0.04	ng/ul#	85
11) Fluorene	15.51	166	751	0.08	ng/ul#	86
14) Phenanthrene	17.25	178	13791	0.88	ng/ul	96
15) Anthracene	17.33	178	4232	0.28	ng/ul	95
17) Fluoranthene	19.26	202	49244m	2.75	ng/ul	
19) Pyrene	19.62	202	45379	2.22	ng/ul	98
20) Benzo(a)anthracene	21.37	228	27113	1.48	ng/ul#	91
21) Chrysene	21.42	228	28061	1.58	ng/ul	94
23) Benzo(b)fluoranthene	23.00	252	35912m	2.77	ng/ul	
24) Benzo(k)fluoranthene	23.03	252	13928m	1.16	ng/ul	
25) Benzo(a)pyrene	23.58	252	26002m	2.19	ng/ul	
26) Indeno(1,2,3-cd)pyrene	26.00	276	14286m	1.30	ng/ul	
27) Dibenzo(a,h)anthracene	26.01	278	3584m	0.41	ng/ul	
28) Benzo(g,h,i)perylene	26.72	276	12332m	1.36	ng/ul	

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

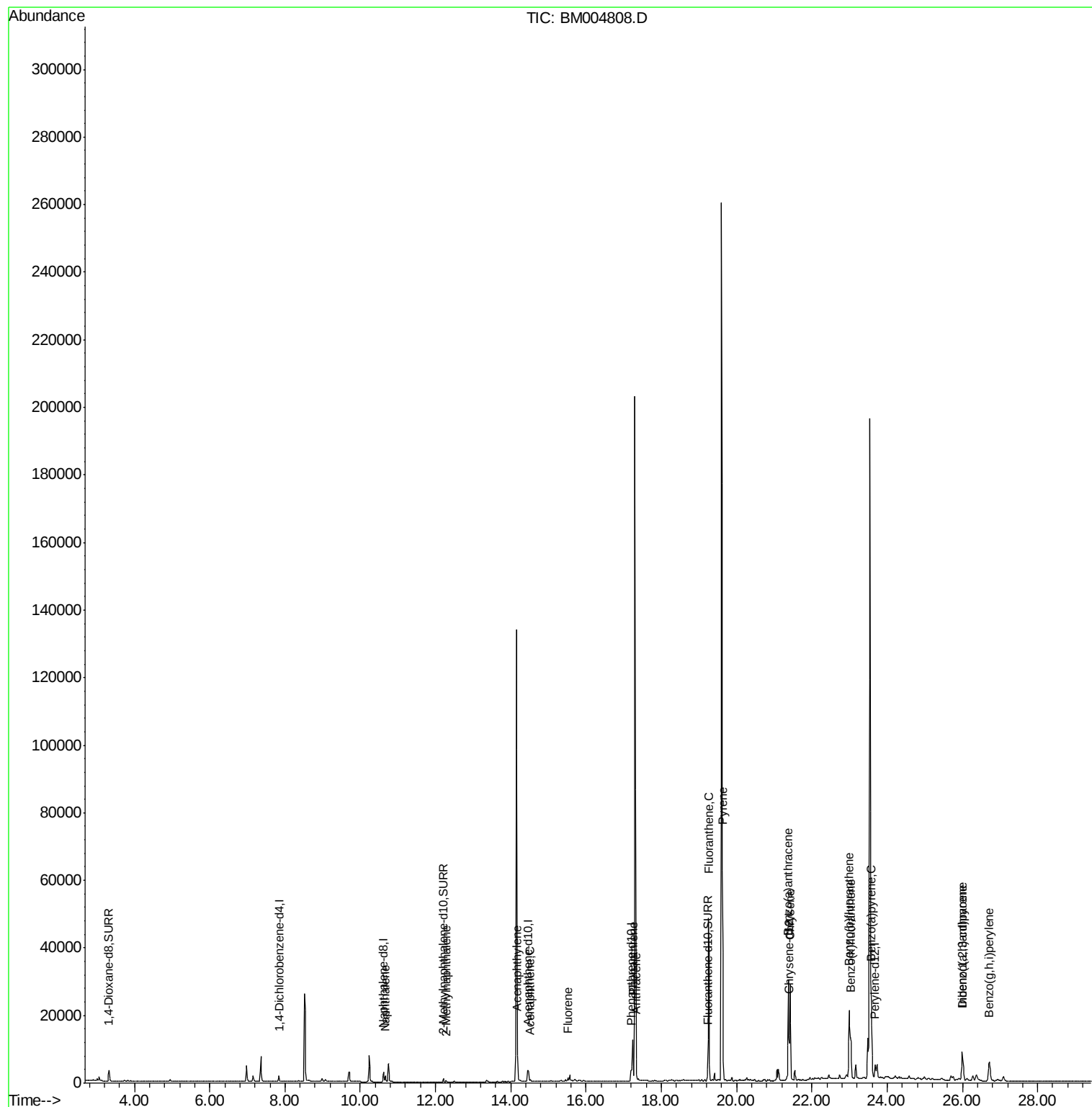
Data Path : Z:\HPCHEM1\BNA M\DATA\BM032816\
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Misc :
ALS Vial : 9 Sample Multiplier: 1

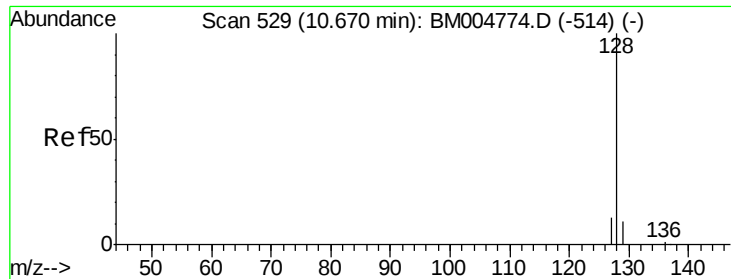
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM032516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 05 18:29:16 2016
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.24 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. -0.00 min

Lab File: BM004808.D

Acq: 28 Mar 2016 15:56

Instrument :

BNA_M

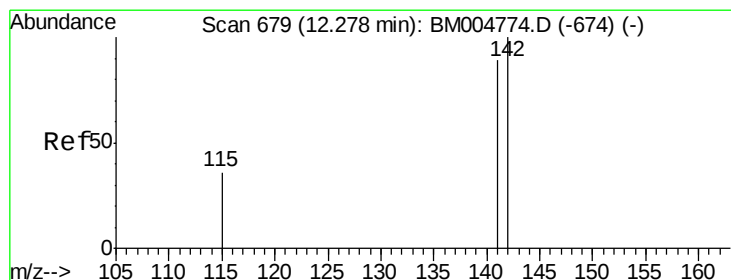
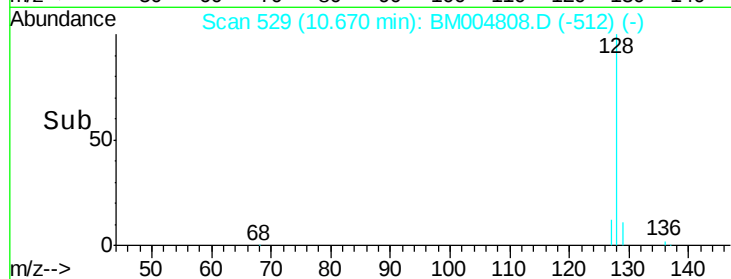
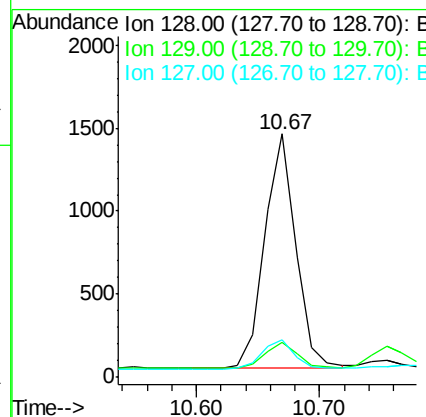
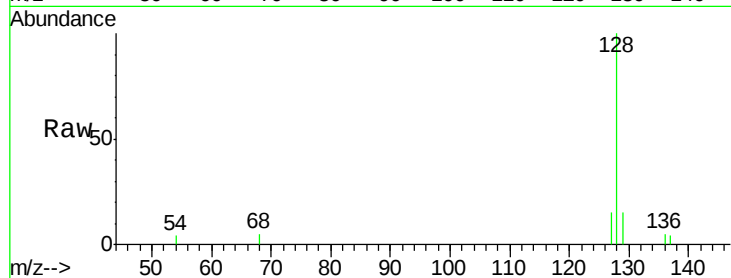
ClientSampleId :

A4T46

Tot Ion:	128	Resp:	2460
Ion Ratio	Lower	Upper	
128	100		
129	14.6	9.0	13.6#
127	15.3	9.6	14.4#

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#7

2-Methylnaphthalene

Concen: 0.05 ng/ul

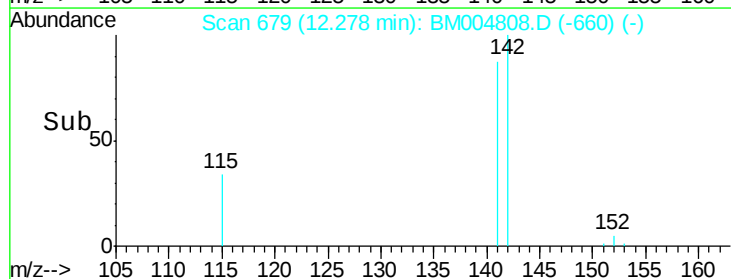
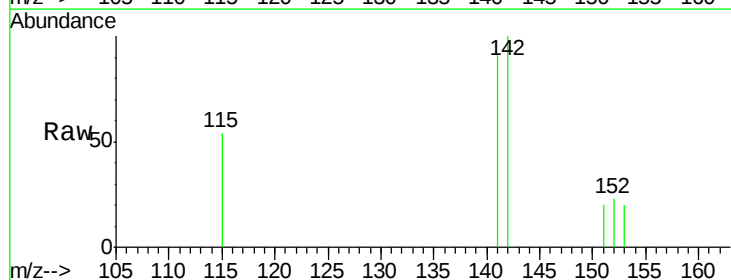
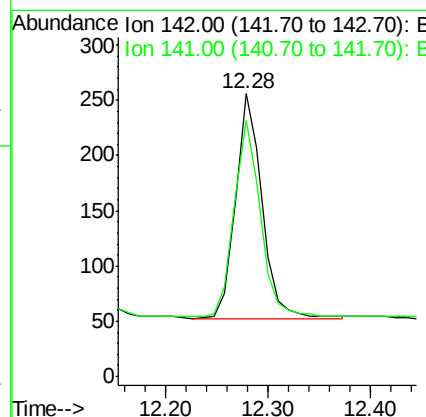
RT: 12.28 min Scan# 679

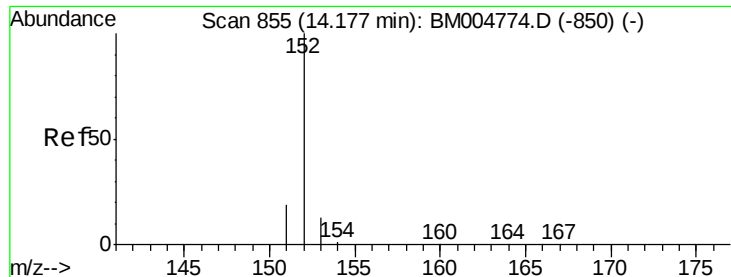
Delta R.T. -0.00 min

Lab File: BM004808.D

Acq: 28 Mar 2016 15:56

Tgt Ion:	142	Resp:	368
Ion Ratio	Lower	Upper	
142	100		
141	86.7	70.3	105.5





#9

Acenaphthylene

Concen: 0.32 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. -0.00 min

Lab File: BM004808.D

Acq: 28 Mar 2016 15:56

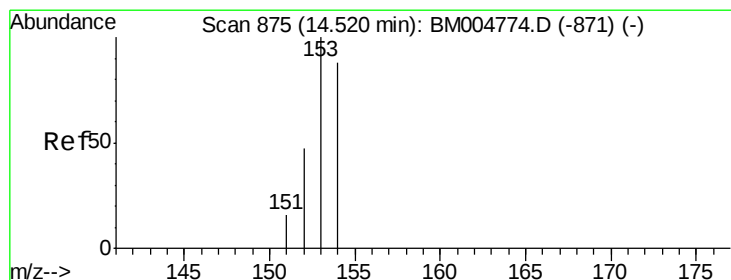
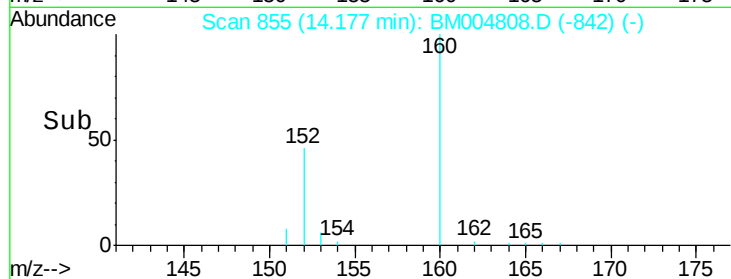
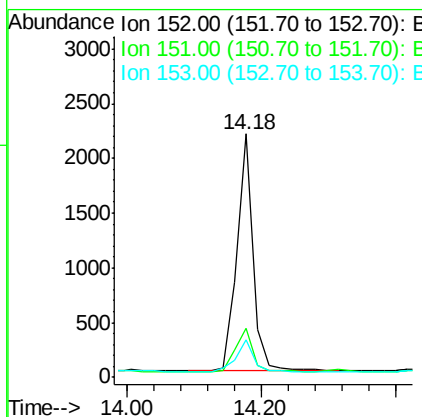
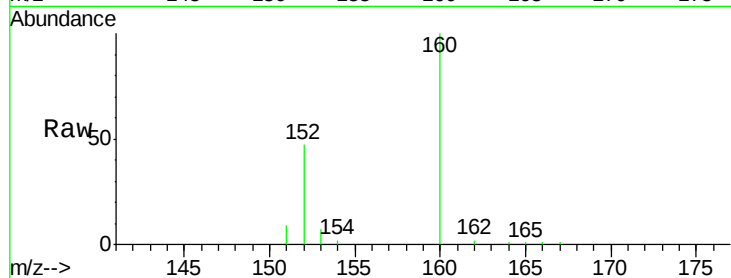
Instrument :
BNA_M

ClientSampleId :
A4T46

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.2	17.6	26.4
153	15.6	9.7	14.5

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#10

Acenaphthene

Concen: 0.04 ng/ul

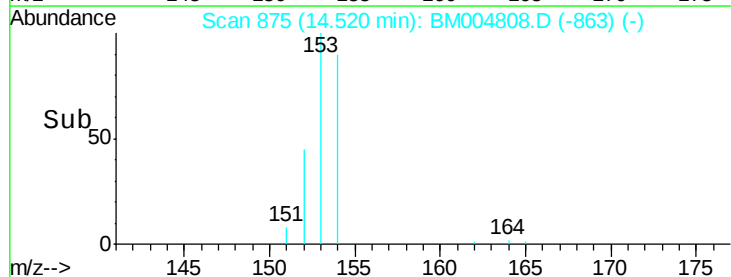
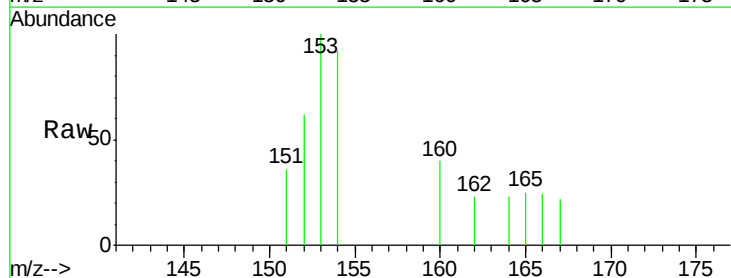
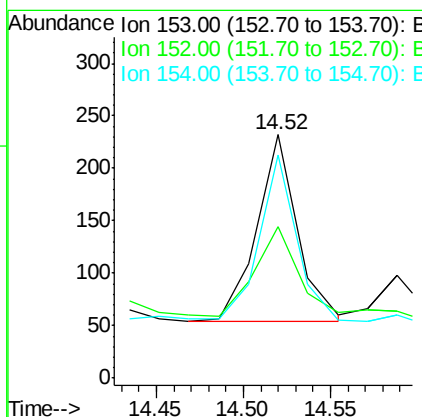
RT: 14.52 min Scan# 875

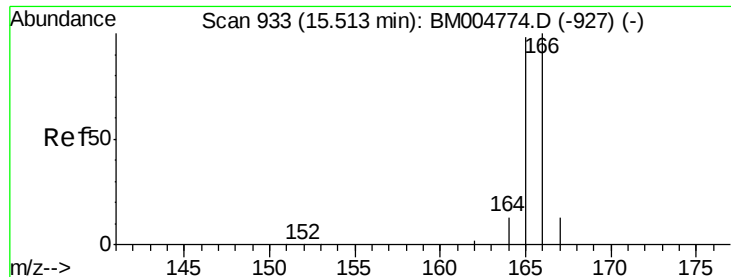
Delta R.T. -0.00 min

Lab File: BM004808.D

Acq: 28 Mar 2016 15:56

Tgt Ion	Ratio	Lower	Upper
153	100		
152	62.1	33.9	50.9
154	91.8	80.6	121.0





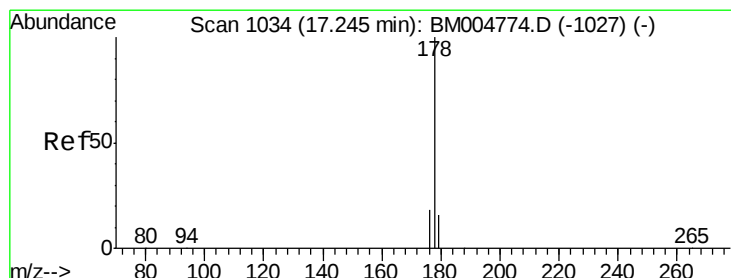
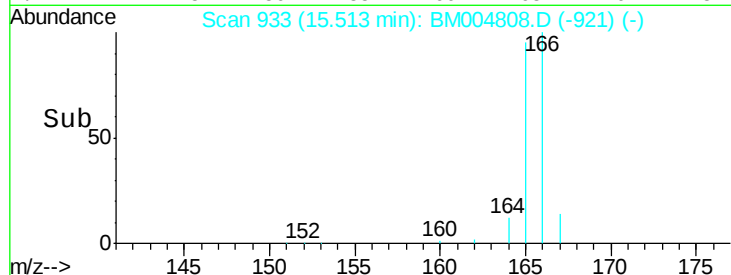
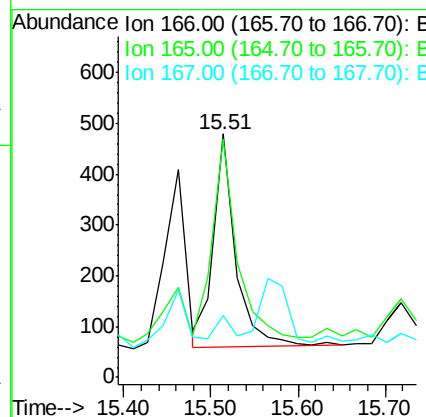
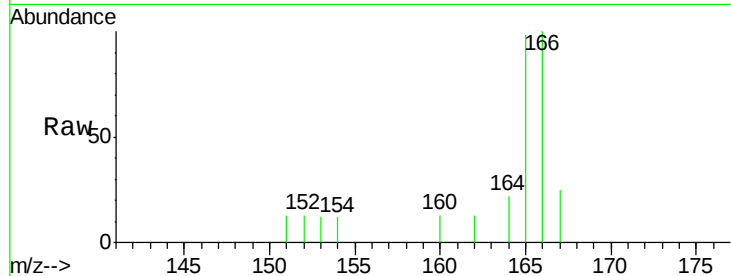
#11
Fluorene
Concen: 0.08 ng/ul
RT: 15.51 min Scan# 933
Delta R.T. -0.00 min
Lab File: BM004808.D
Acq: 28 Mar 2016 15:56

Instrument :
BNA_M
ClientSampleId :
A4T46

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.1	69.6	104.4
167	25.3	11.9	17.9

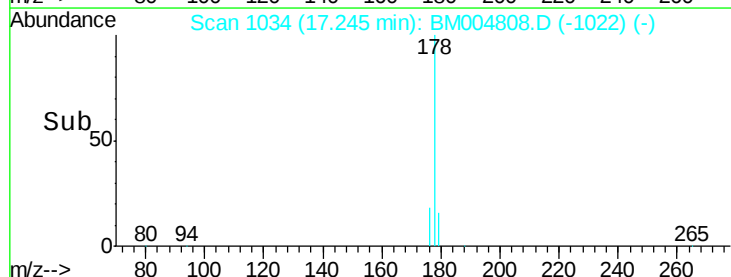
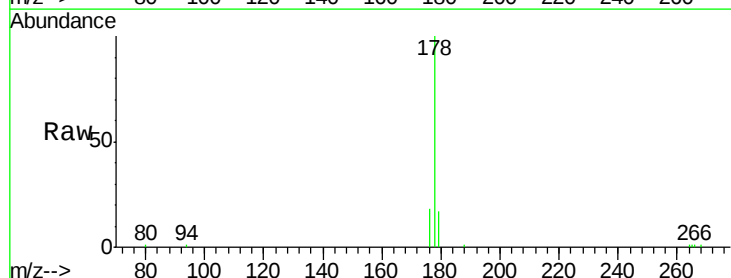
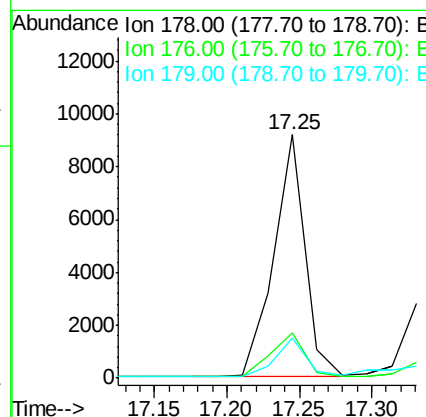
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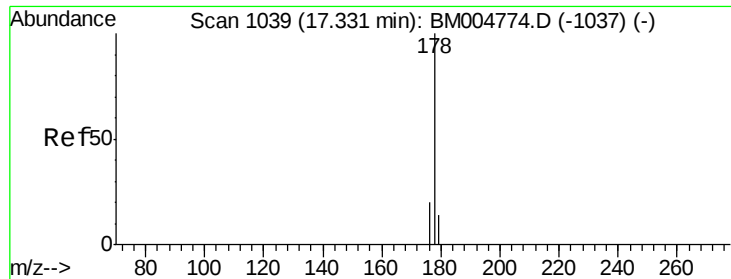
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#14
Phenanthrene
Concen: 0.88 ng/ul
RT: 17.25 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BM004808.D
Acq: 28 Mar 2016 15:56

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	13.0	19.4
179	16.6	14.2	21.2





#15

Anthracene

Concen: 0.28 ng/ul

RT: 17.33 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BM004808.D

Acq: 28 Mar 2016 15:56

Instrument :

BNA_M

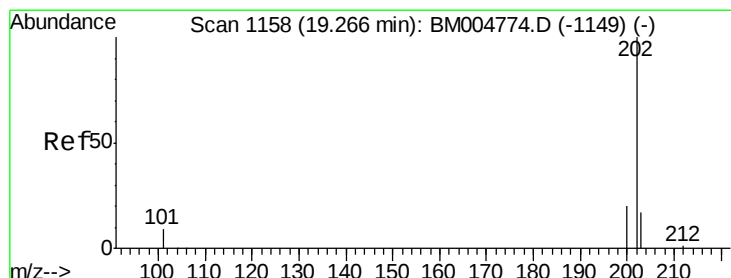
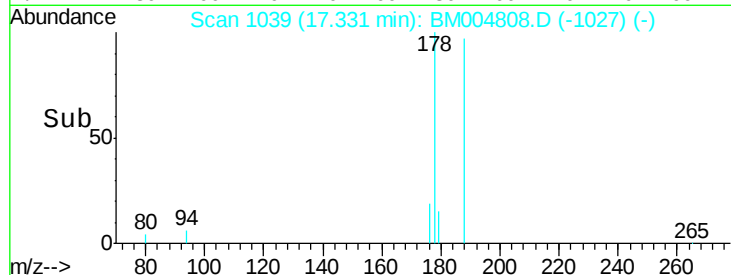
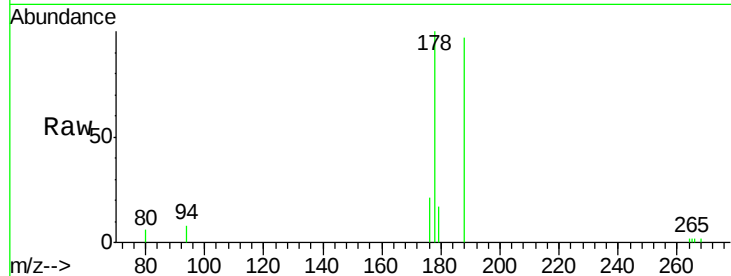
ClientSampleId :

A4T46

Tot Ion:	178	Resp:	4232
Ion	Ratio	Lower	Upper
178	100		
176	20.9	14.0	21.0
179	16.7	12.9	19.3

Manual Integrations
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#17

Fluoranthene

Concen: 2.75 ng/ul m

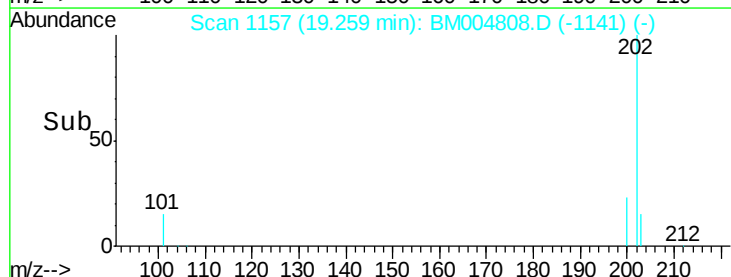
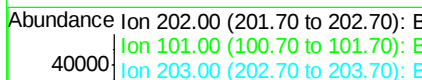
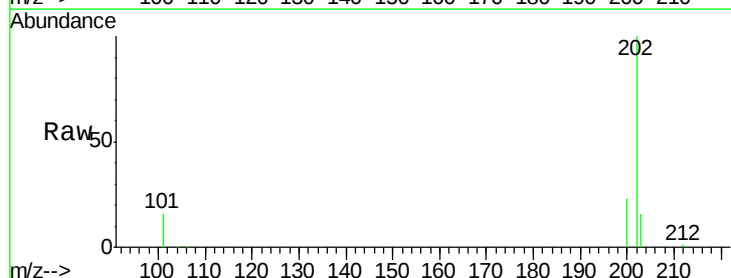
RT: 19.26 min Scan# 1157

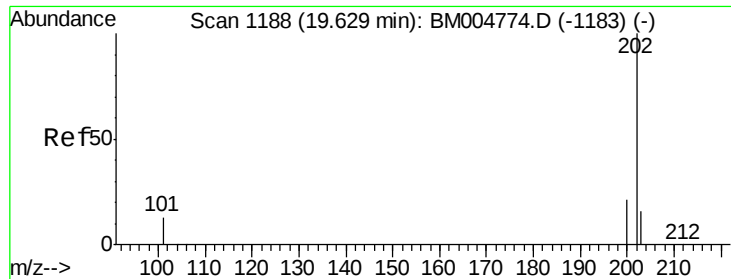
Delta R.T. -0.01 min

Lab File: BM004808.D

Acq: 28 Mar 2016 15:56

Tgt Ion:	202	Resp:	49244
Ion	Ratio	Lower	Upper
202	100		
101	15.5	0.0	29.6
203	15.9	0.0	36.3





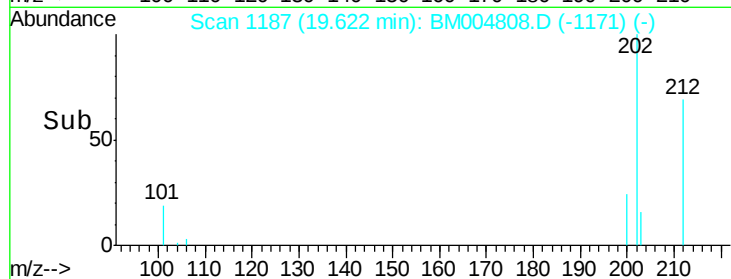
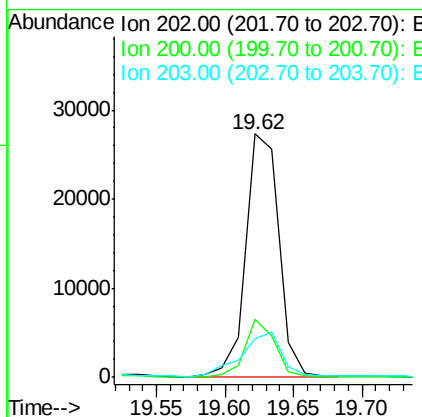
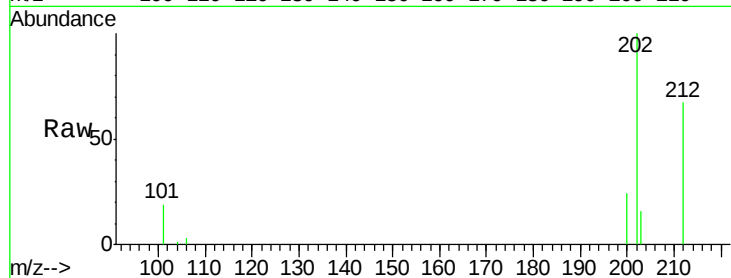
#19
Pvrene
Concen: 2.22 ng/ul
RT: 19.62 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BM004808.D
Acq: 28 Mar 2016 15:56

Instrument :
BNA_M
ClientSampleId :
A4T46

Tot Ion	Ratio	Lower	Upper
202	100		
200	23.8	17.8	26.8
203	16.1	12.8	19.2

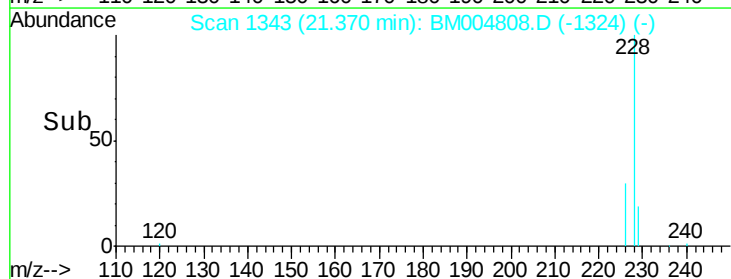
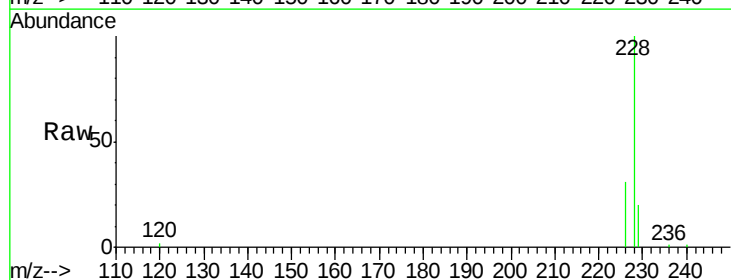
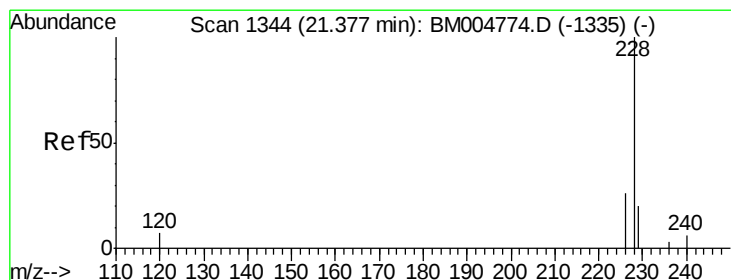
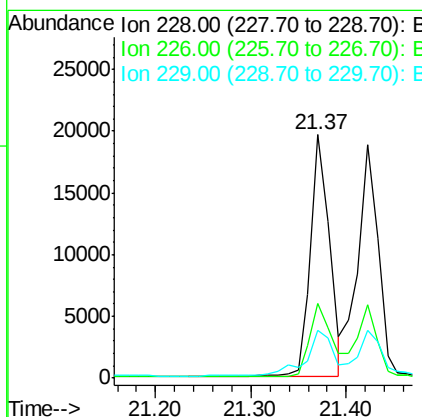
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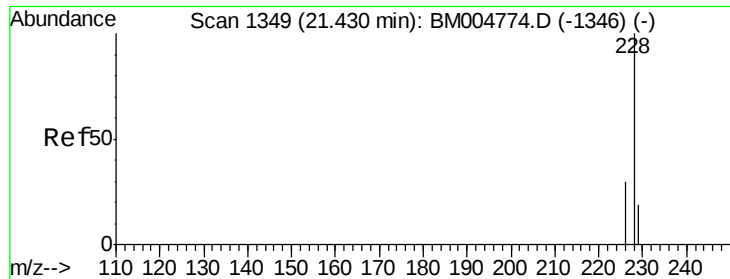
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#20
Benzo(a)anthracene
Concen: 1.48 ng/ul
RT: 21.37 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BM004808.D
Acq: 28 Mar 2016 15:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	18.8	28.2#
229	19.9	17.1	25.7





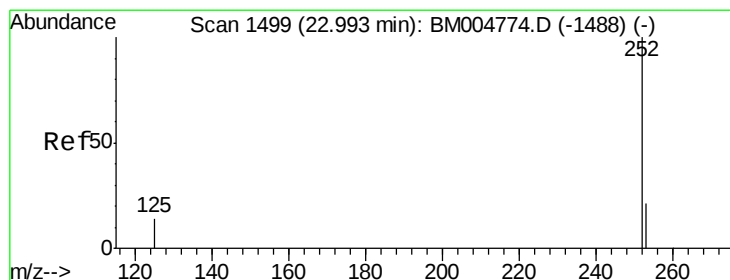
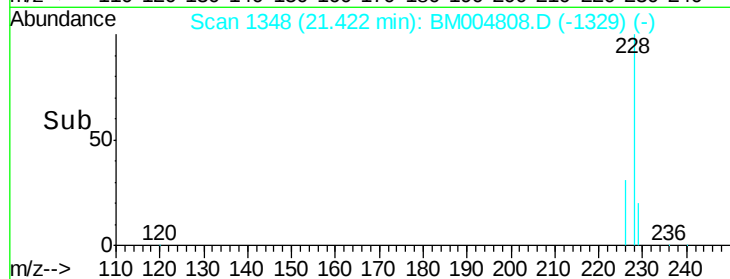
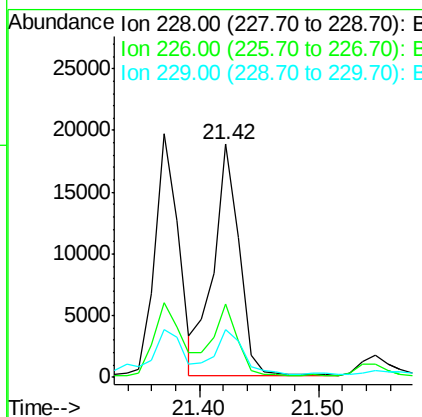
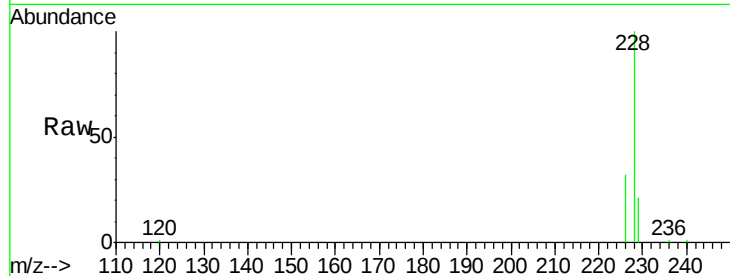
#21
Chrysene
Concen: 1.58 ng/ul
RT: 21.42 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BM004808.D
Acq: 28 Mar 2016 15:56

Instrument :
BNA_M
ClientSampleId :
A4T46

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.7	21.2	31.8
229	20.7	17.0	25.6

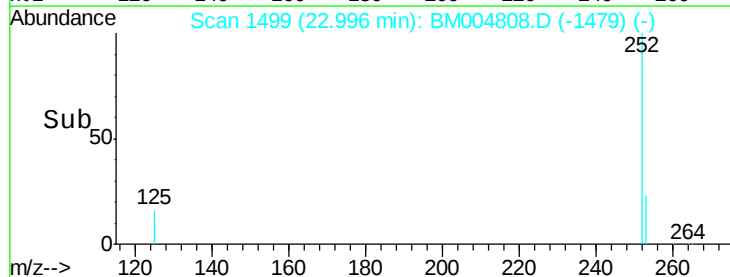
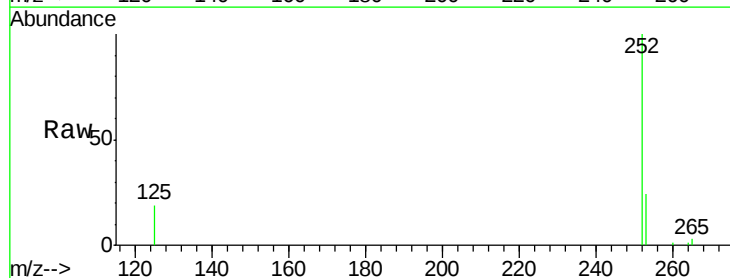
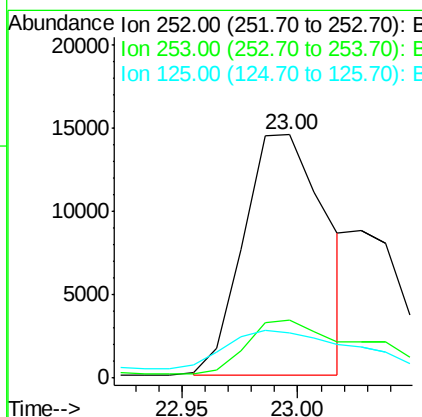
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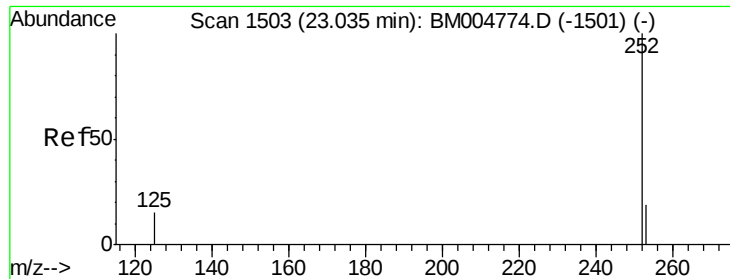
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#23
Benzo(b)fluoranthene
Concen: 2.77 ng/ul m
RT: 23.00 min Scan# 1499
Delta R.T. 0.00 min
Lab File: BM004808.D
Acq: 28 Mar 2016 15:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	0.0	45.4
125	18.8	0.0	28.8





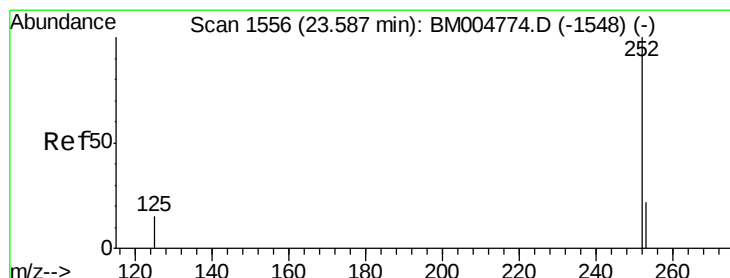
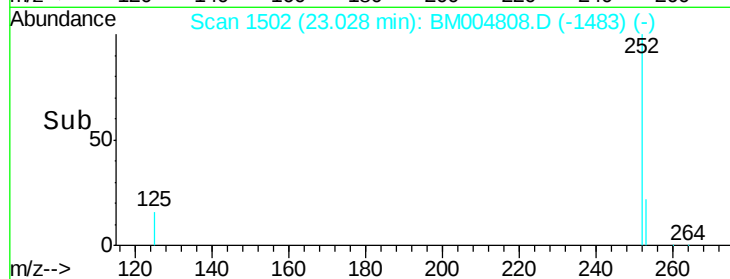
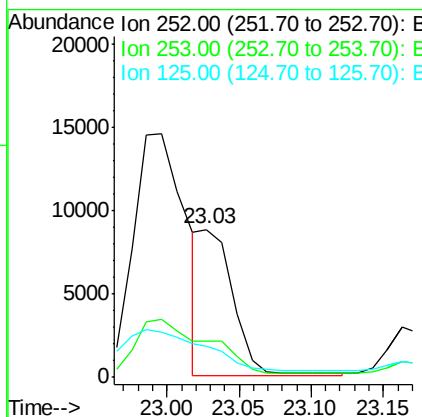
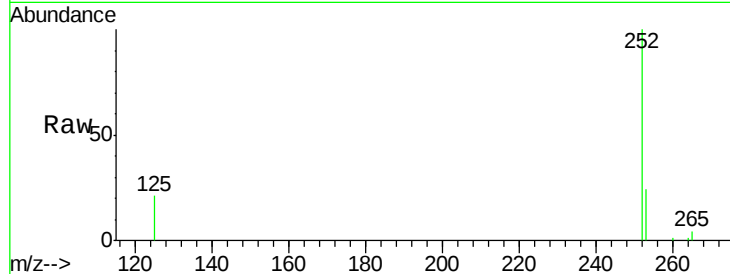
#24
Benzo(k)fluoranthene
Concen: 1.16 ng/ul m
RT: 23.03 min Scan# 1502
Delta R.T. -0.01 min
Lab File: BM004808.D
Acq: 28 Mar 2016 15:56

Instrument :
BNA_M
ClientSampleId :
A4T46

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	24.4	19.8	29.8
125	21.1	10.4	15.6

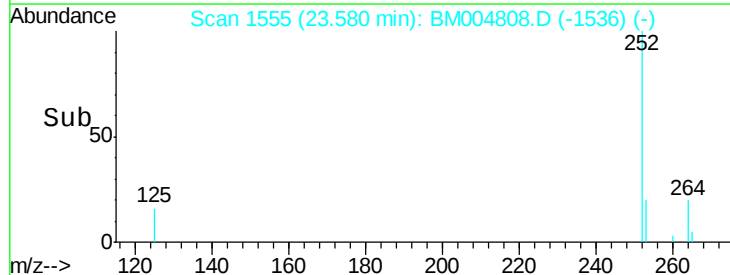
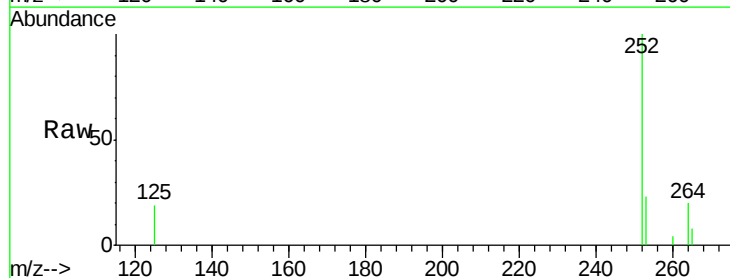
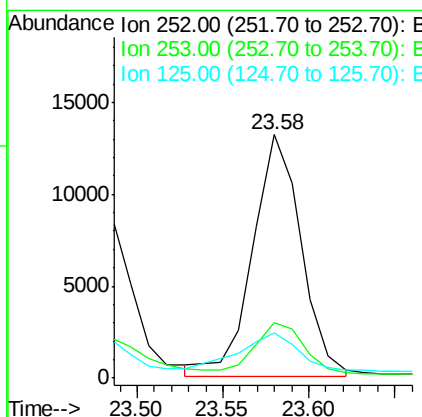
Manual Integrations
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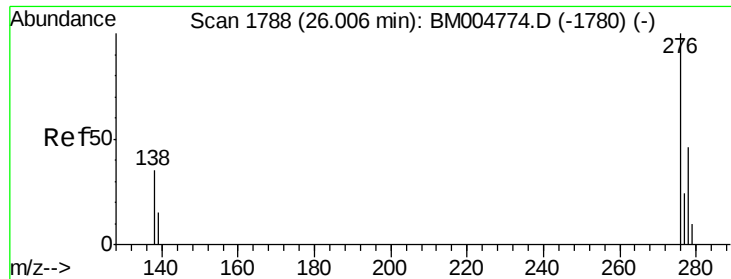
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#25
Benzo(a)pyrene
Concen: 2.19 ng/ul m
RT: 23.58 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BM004808.D
Acq: 28 Mar 2016 15:56

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	22.9	19.4	29.2
125	18.7	12.7	19.1





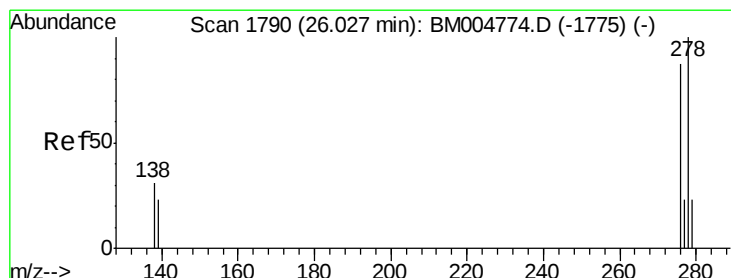
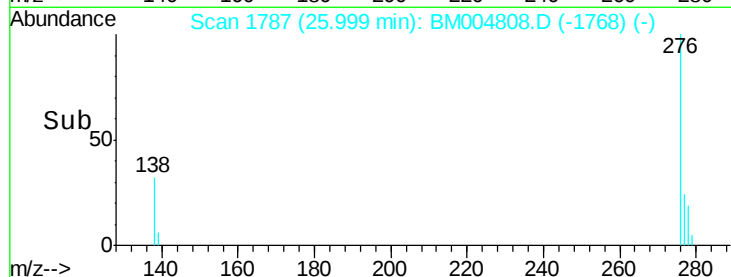
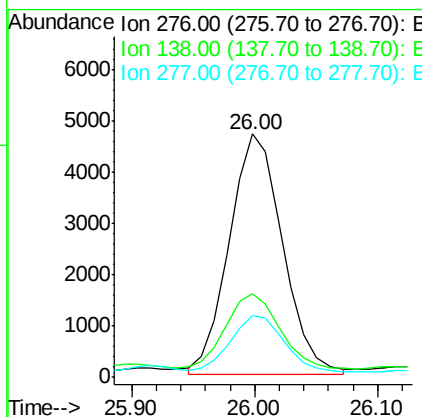
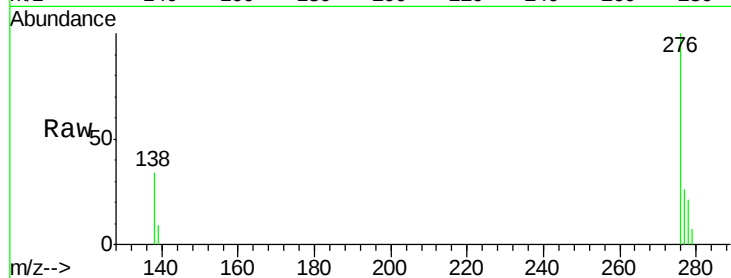
#26
Indeno(1,2,3-cd)pyrene
Concen: 1.30 ng/ul m
RT: 26.00 min Scan# 1787
Delta R.T. -0.01 min
Lab File: BM004808.D
Acq: 28 Mar 2016 15:56

Instrument :
BNA_M
ClientSampleId :
A4T46

Tot Ion	Ratio	Lower	Upper
276	100		
138	2.6	16.3	24.5#
277	3.7	19.8	29.8#

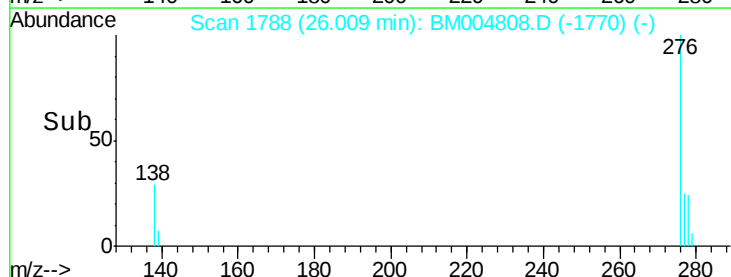
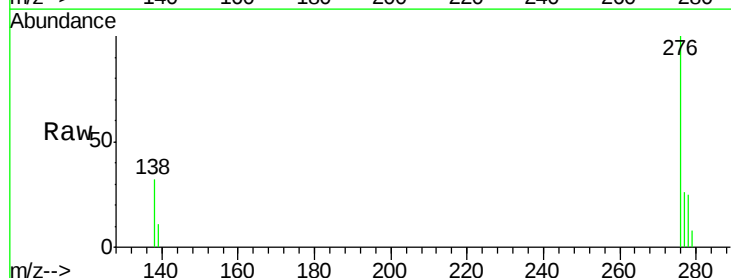
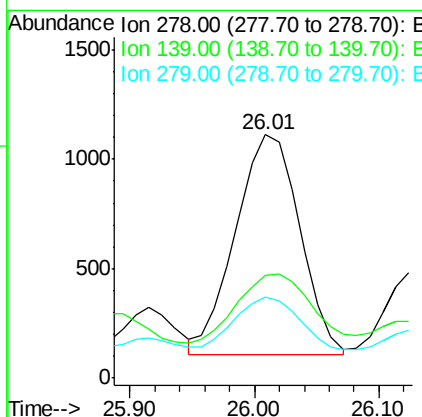
Manual Integrations
APPROVED

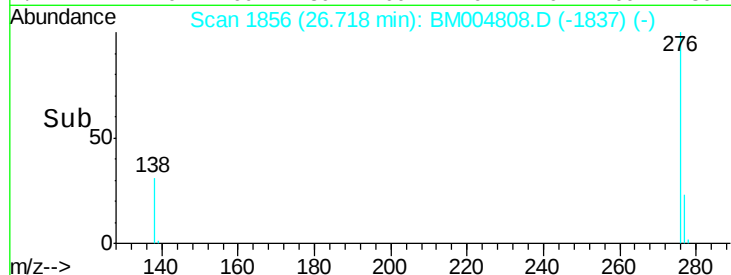
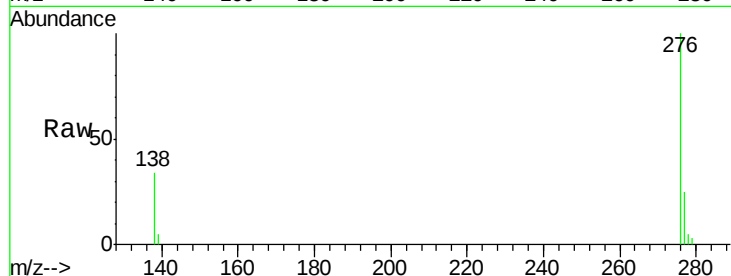
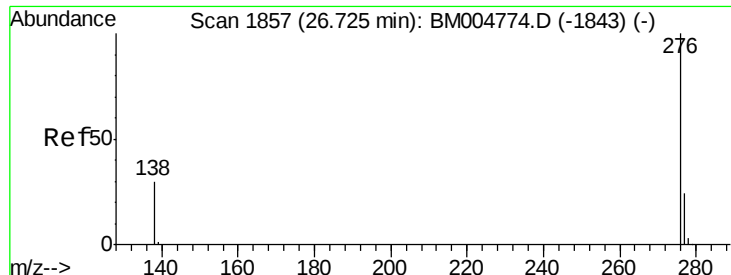
Sohil
4/6/2016 5:05:03 PM



#27
Dibenzo(a,h)anthracene
Concen: 0.41 ng/ul m
RT: 26.01 min Scan# 1788
Delta R.T. -0.02 min
Lab File: BM004808.D
Acq: 28 Mar 2016 15:56

Tgt Ion	Ratio	Lower	Upper
278	100		
139	42.1	16.4	24.6#
279	33.1	20.2	30.2#





#28

Benzo(a,h,i)perylene

Concen: 1.36 ng/ul m

RT: 26.72 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BM004808.D

Acq: 28 Mar 2016 15:56

Instrument :

BNA_M

ClientSampleId :

A4T46

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.9	28.3
138	33.9	22.5	33.7#

Manual Integrations
APPROVED

Sohil
4/6/2016 5:05:03 PM

