

Data Path : Z:\HPCHEM1\BNA M\DATA\BM032516\
 Data File : BM004798.D
 Acq On : 26 Mar 2016 04:10
 Operator : UM/SJ
 Sample : H1909-17
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T51

Manual Integrations
 APPROVED

Sohil
 4/6/2016 1:29:07 PM

Quant Time: Apr 05 19:57:47 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	1256	0.40	ng/ul	0.00
4) Naphthalene-d8	10.62	136	6029	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.45	164	3783	0.40	ng/ul	-0.02
12) Phenanthrene-d10	17.21	188	8308m	0.40	ng/ul	0.00
18) Chrysene-d12	21.39	240	7394	0.40	ng/ul	0.00
22) Perylene-d12	23.68	264	6836m	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.32	96	3590	6.34	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.21	152	1733	0.21	ng/ul	0.00
16) Fluoranthene-d10	19.23	212	6267m	0.32	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	10.67	128	46220	3.17	ng/ul	99
7) 2-Methylnaphthalene	12.28	142	24499	2.35	ng/ul	99
9) Acenaphthylene	14.18	152	10580	0.61	ng/ul#	88
10) Acenaphthene	14.52	153	77673	6.31	ng/ul	93
11) Fluorene	15.51	166	85921	5.85	ng/ul	94
13) Pentachlorophenol	16.87	266	98	0.05	ng/ul	91
14) Phenanthrene	17.24	178	1034574m	44.32	ng/ul	
15) Anthracene	17.33	178	254363	11.53	ng/ul	97
17) Fluoranthene	19.27	202	1114599	41.94	ng/ul	93
19) Pyrene	19.63	202	1060981	41.90	ng/ul	94
20) Benzo(a)anthracene	21.37	228	532145	23.41	ng/ul#	94
21) Chrysene	21.42	228	493862	22.49	ng/ul	94
23) Benzo(b)fluoranthene	22.99	252	523560m	22.73	ng/ul	
24) Benzo(k)fluoranthene	23.03	252	172047m	8.06	ng/ul	
25) Benzo(a)pyrene	23.58	252	372322m	17.68	ng/ul	
26) Indeno(1,2,3-cd)pyrene	26.00	276	194983m	10.00	ng/ul	
27) Dibenzo(a,h)anthracene	26.01	278	52713m	3.44	ng/ul	
28) Benzo(a,h,i)perylene	26.71	276	175413m	10.87	ng/ul	

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

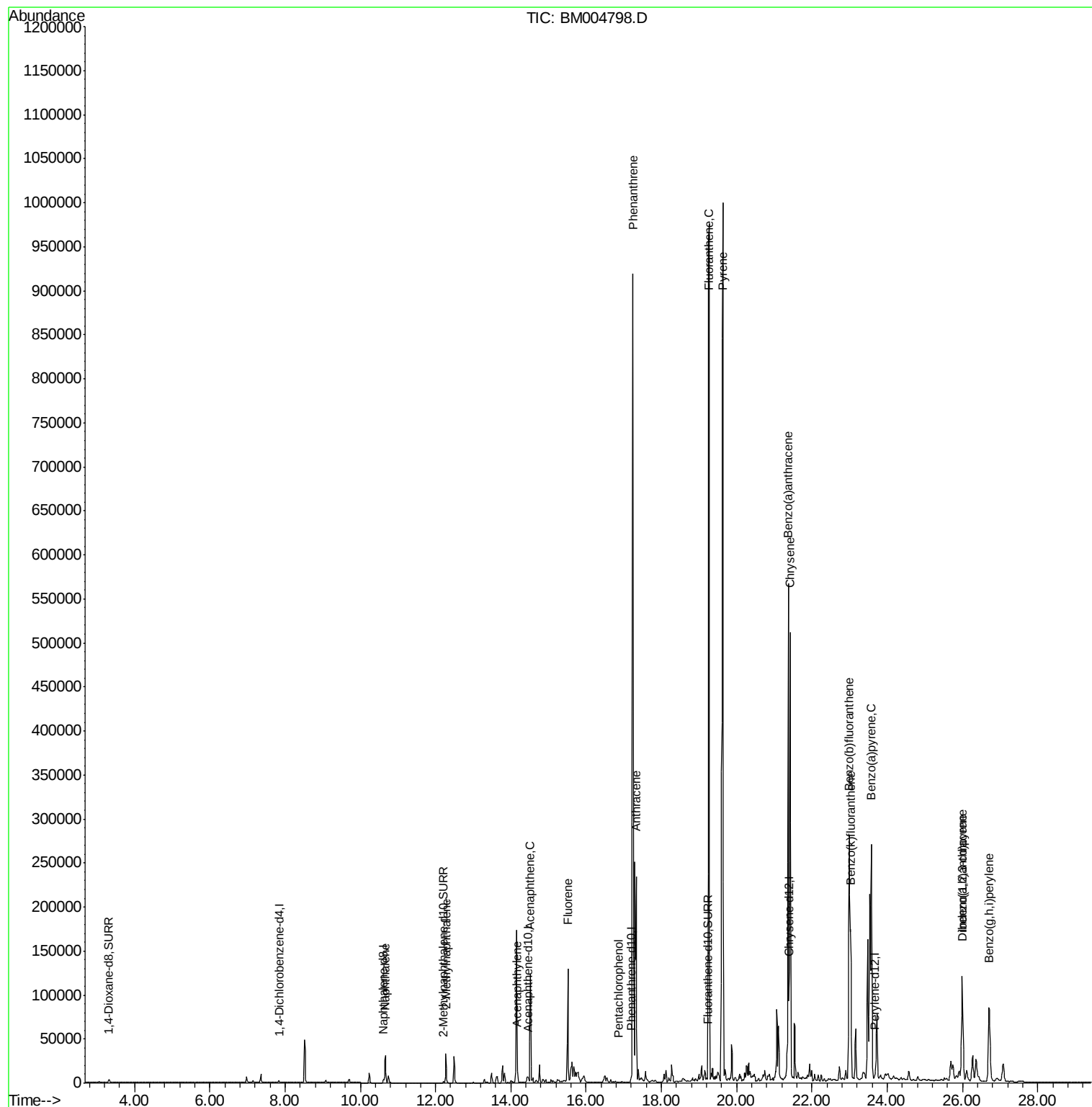
Data Path : Z:\HPCHEM1\BNA M\DATA\BM032516\
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Misc :
ALS Vial : 29 Sample Multiplier: 1

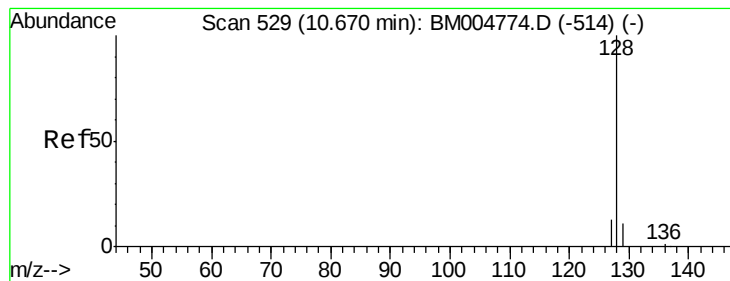
Instrument :
BNA_M
ClientSampled :
A4T51

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Quant Time: Apr 05 19:57:47 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM032516.M
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#5

Naphthalene

Concen: 3.17 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. -0.00 min

Lab File: BM004798.D

Acq: 26 Mar 2016 04:10

Instrument :

BNA_M

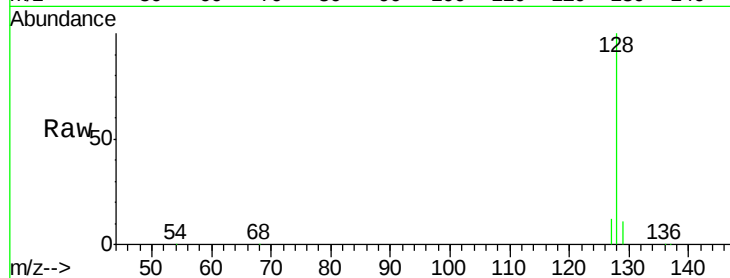
ClientSampleId :

A4T51

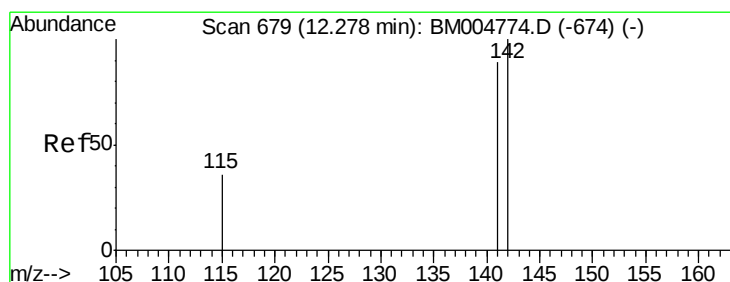
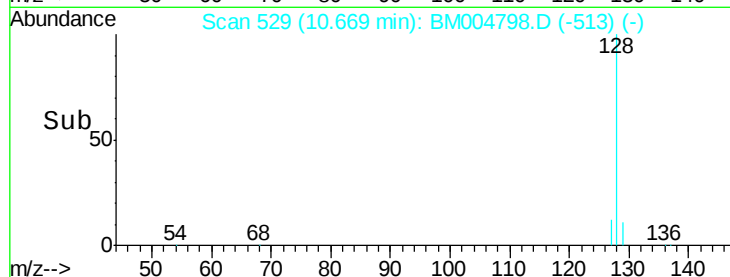
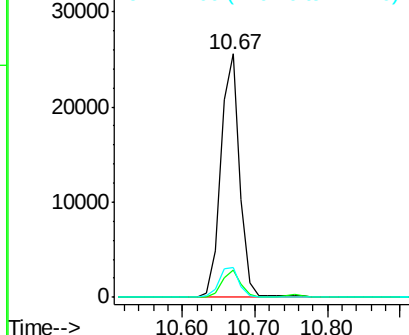
Tot Ion:	128	Resp:	46220
Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.0	13.6
127	12.3	9.6	14.4

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#7

2-Methylnaphthalene

Concen: 2.35 ng/ul

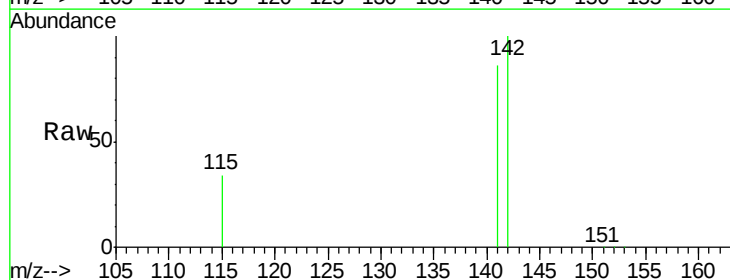
RT: 12.28 min Scan# 679

Delta R.T. -0.00 min

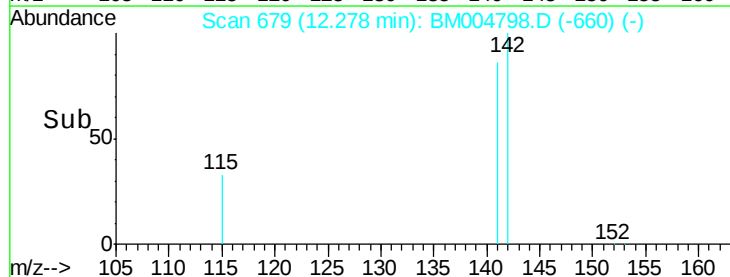
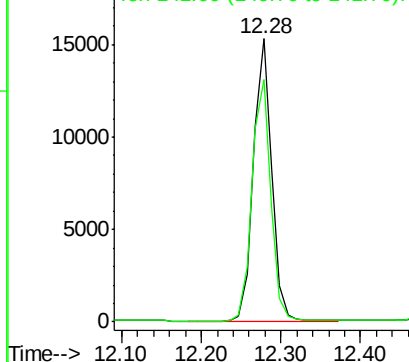
Lab File: BM004798.D

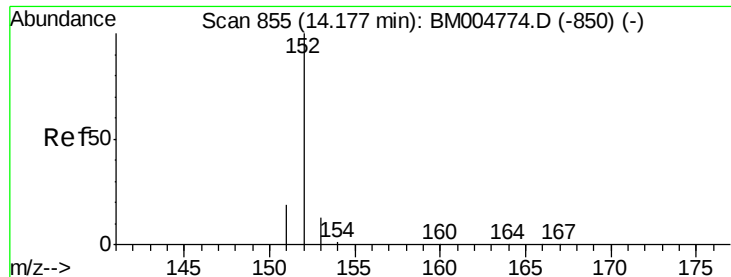
Acq: 26 Mar 2016 04:10

Tgt Ion:	142	Resp:	24499
Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.3	105.5



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.61 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. -0.00 min

Lab File: BM004798.D

Acq: 26 Mar 2016 04:10

Instrument :

BNA_M

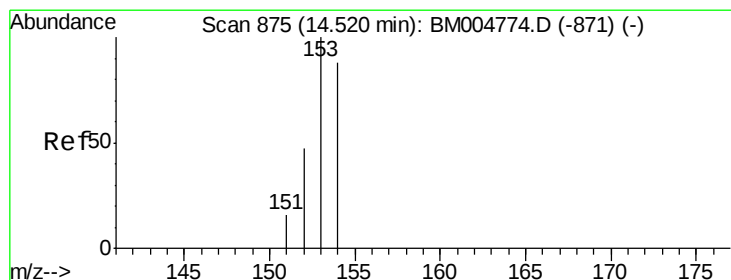
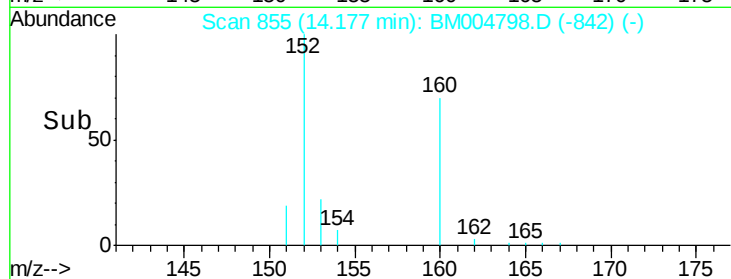
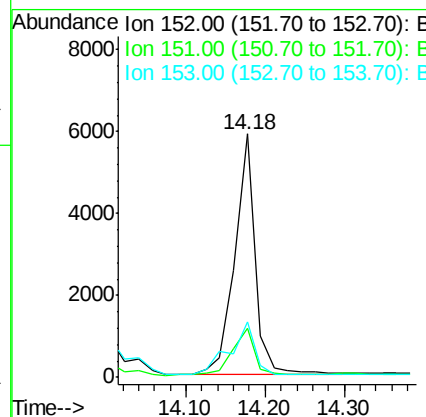
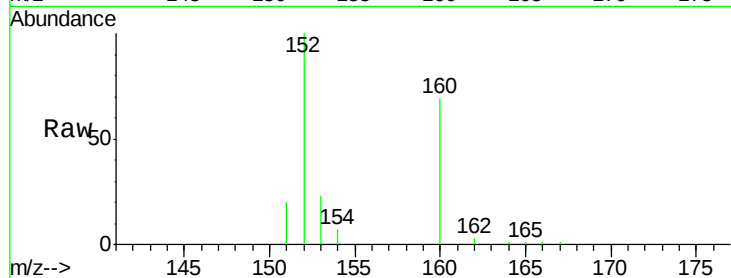
ClientSampleId :

A4T51

Tot Ion:	152	Resp:	10580
Ion Ratio	Lower	Upper	
152	100		
151	19.9	17.6	26.4
153	22.5	9.7	14.5#

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#10

Acenaphthene

Concen: 6.31 ng/ul

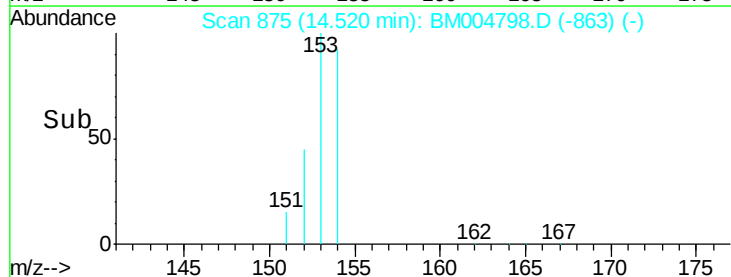
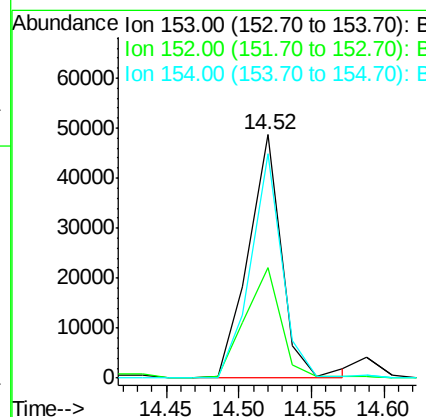
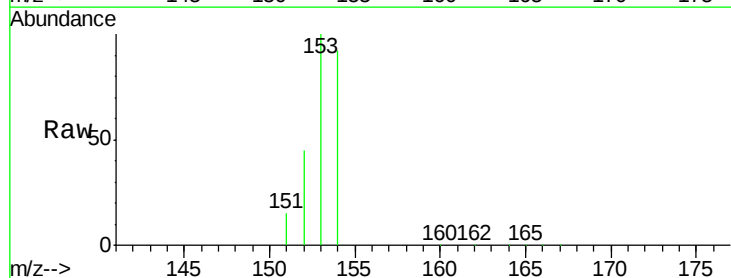
RT: 14.52 min Scan# 875

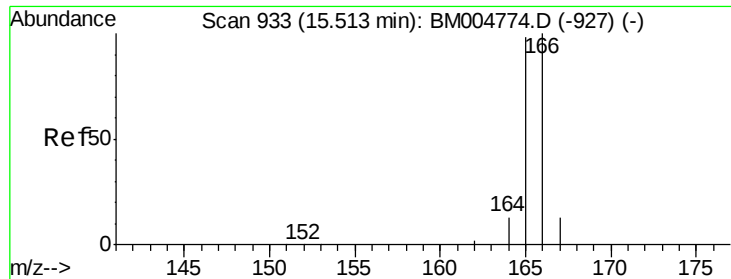
Delta R.T. -0.00 min

Lab File: BM004798.D

Acq: 26 Mar 2016 04:10

Tgt Ion:	153	Resp:	77673
Ion Ratio	Lower	Upper	
153	100		
152	45.2	33.9	50.9
154	92.1	80.6	121.0





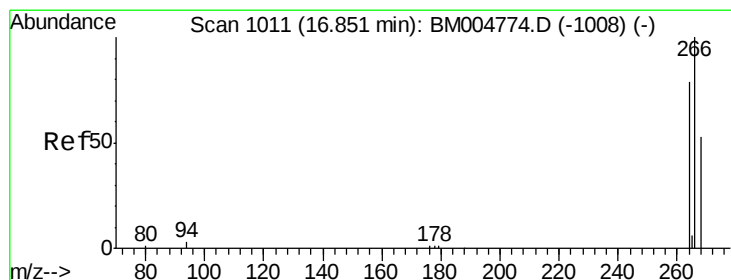
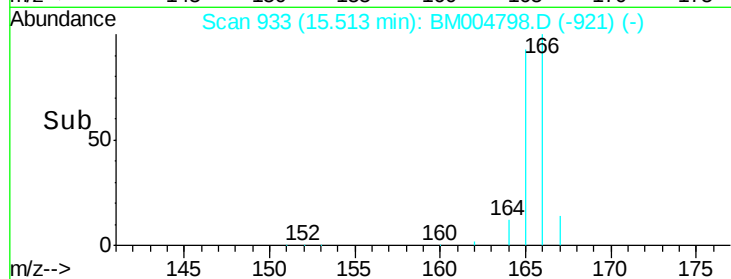
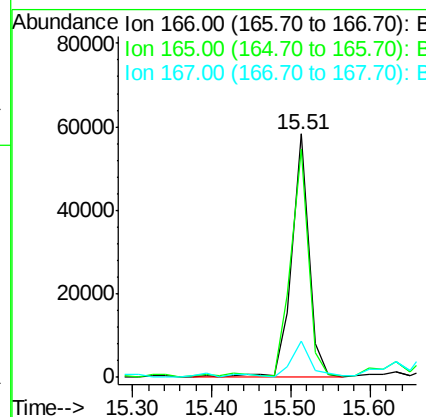
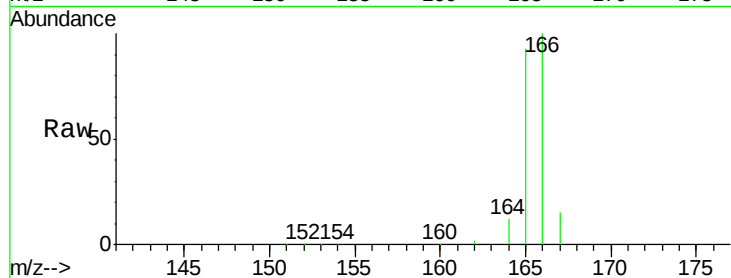
#11
Fluorene
 Concen: 5.85 ng/ul
 RT: 15.51 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: BM004798.D
 Acq: 26 Mar 2016 04:10

Instrument :
 BNA_M
 ClientSampleId :
 A4T51

Tot Ion:	166	Resp:	85921
Ion Ratio	Lower	Upper	
166	100		
165	93.5	69.6	104.4
167	14.7	11.9	17.9

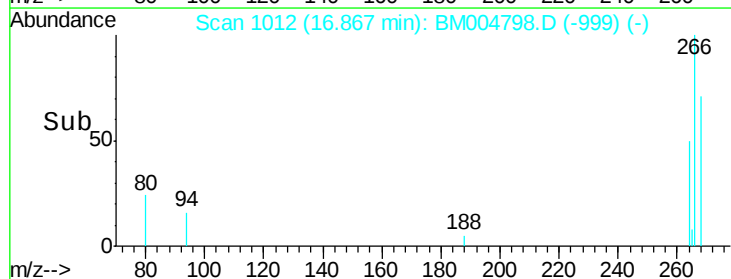
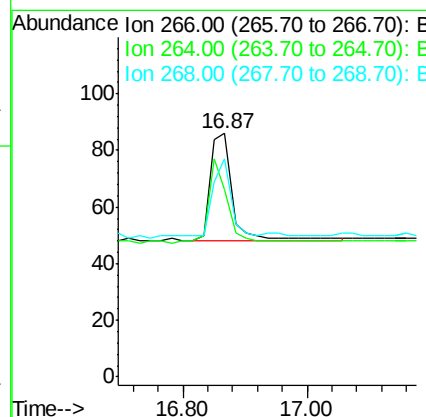
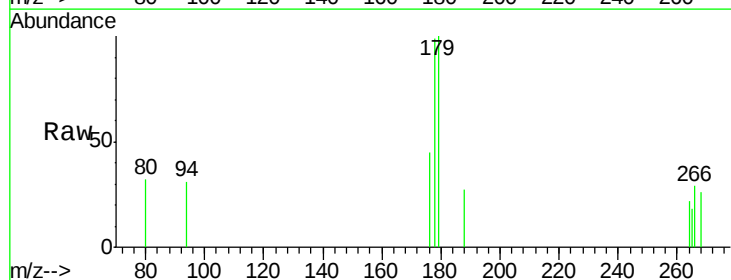
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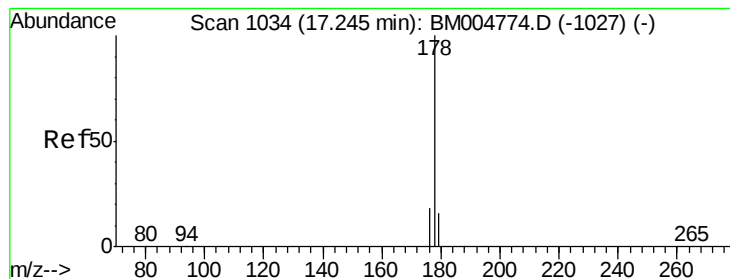
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#13
Pentachlorophenol
 Concen: 0.05 ng/ul
 RT: 16.87 min Scan# 1012
 Delta R.T. 0.02 min
 Lab File: BM004798.D
 Acq: 26 Mar 2016 04:10

Tgt Ion:	266	Resp:	98
Ion Ratio	Lower	Upper	
266	100		
264	72.4	51.8	77.8
268	53.1	46.8	70.2





#14

Phenanthrene

Concen: 44.32 ng/ul m

RT: 17.24 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BM004798.D

Acq: 26 Mar 2016 04:10

Instrument :

BNA_M

ClientSampleId :

A4T51

Tot Ion:178 Resp: 1034574

Ion Ratio Lower Upper

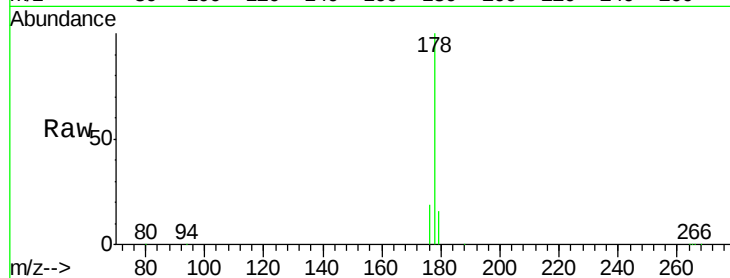
178 100

176 19.2 13.0 19.4

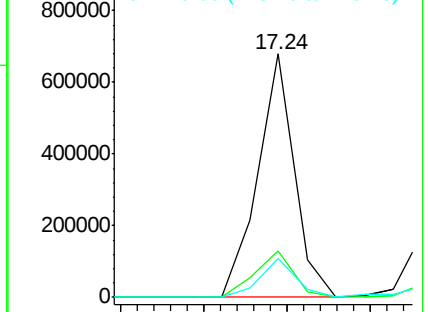
179 16.0 14.2 21.2

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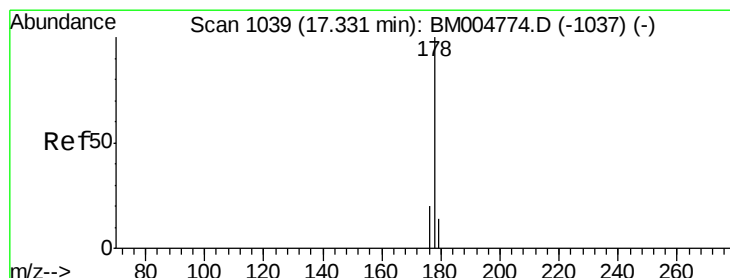
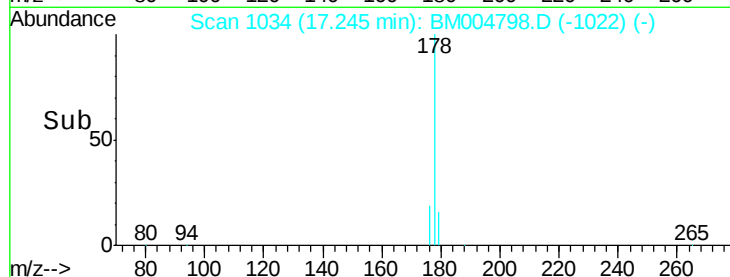
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time--> 17.15 17.20 17.25 17.30



#15

Anthracene

Concen: 11.53 ng/ul

RT: 17.33 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BM004798.D

Acq: 26 Mar 2016 04:10

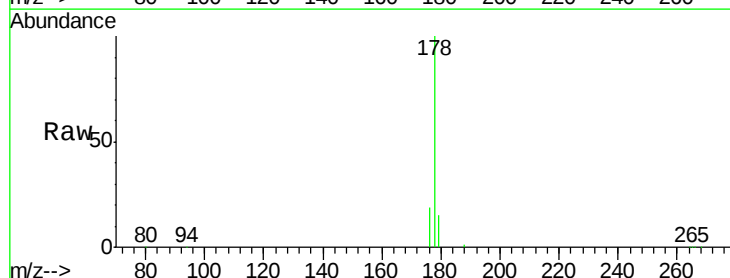
Tgt Ion:178 Resp: 254363

Ion Ratio Lower Upper

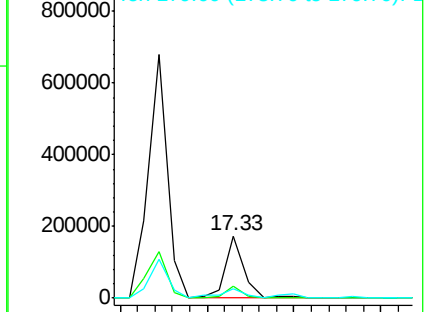
178 100

176 19.0 14.0 21.0

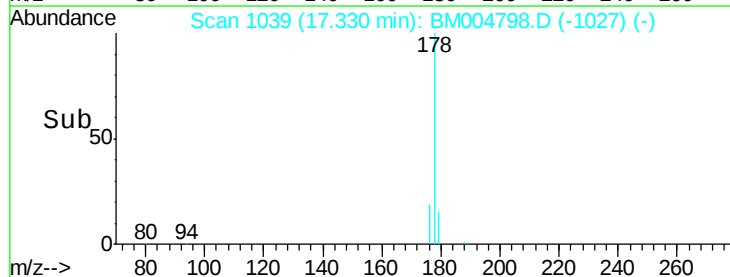
179 15.1 12.9 19.3

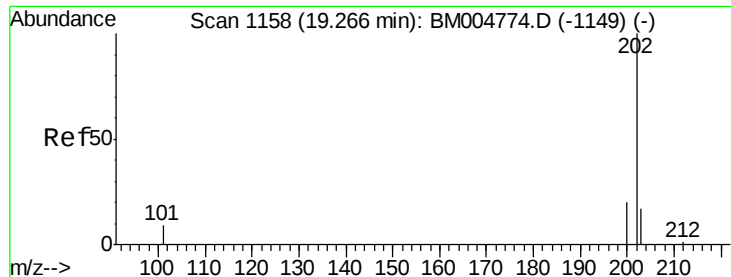


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time--> 17.20 17.30 17.40 17.50





#17

Fluoranthene

Concen: 41.94 ng/ul

RT: 19.27 min Scan# 1158

Delta R.T. 0.00 min

Lab File: BM004798.D

Acq: 26 Mar 2016 04:10

Instrument :

BNA_M

ClientSampleId :

A4T51

Tot Ion:202 Resp: 1114599

Ion Ratio Lower Upper

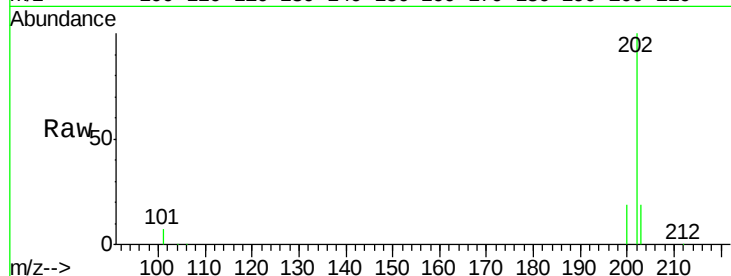
202 100

101 6.9 0.0 29.6

203 19.0 0.0 36.3

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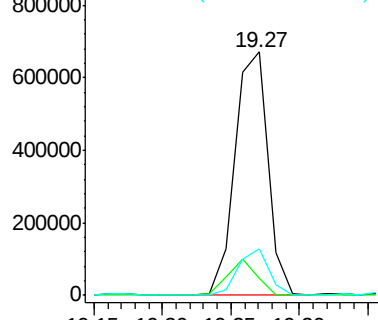
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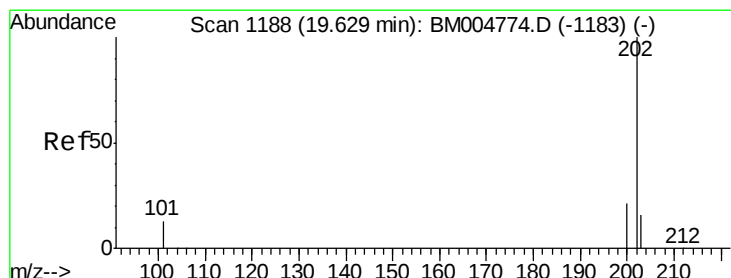
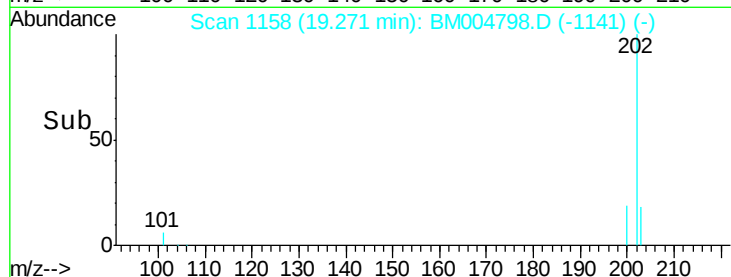
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 19.15 19.20 19.25 19.30



#19

Pyrene

Concen: 41.90 ng/ul

RT: 19.63 min Scan# 1188

Delta R.T. 0.00 min

Lab File: BM004798.D

Acq: 26 Mar 2016 04:10

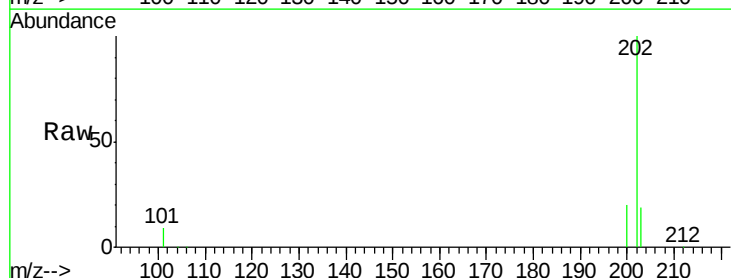
Tgt Ion:202 Resp: 1060981

Ion Ratio Lower Upper

202 100

200 20.0 17.8 26.8

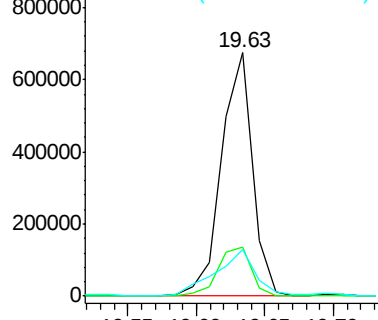
203 19.0 12.8 19.2



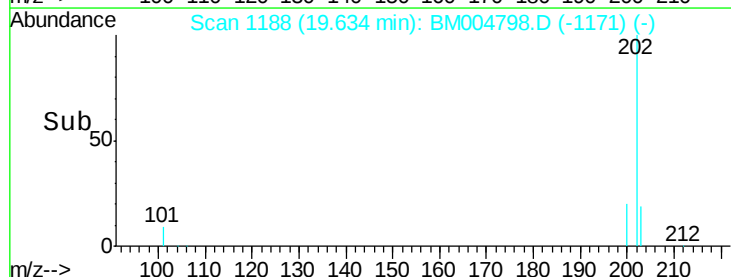
Abundance Ion 202.00 (201.70 to 202.70): E

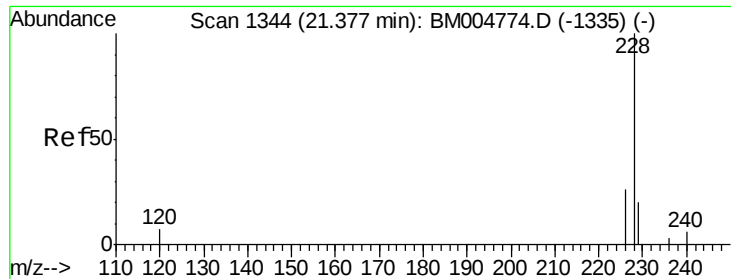
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 19.55 19.60 19.65 19.70





#20

Benzo(a)anthracene

Concen: 23.41 ng/ul

RT: 21.37 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BM004798.D

Acq: 26 Mar 2016 04:10

Instrument :

BNA_M

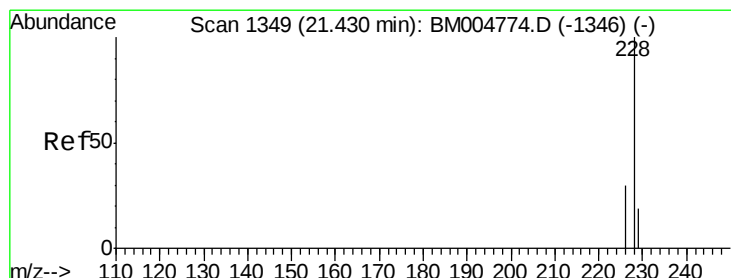
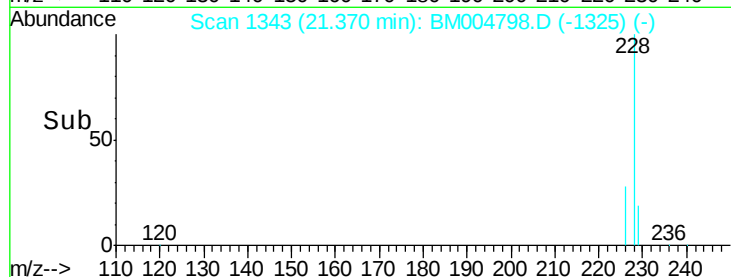
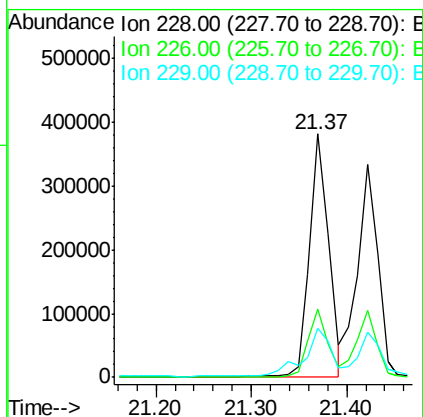
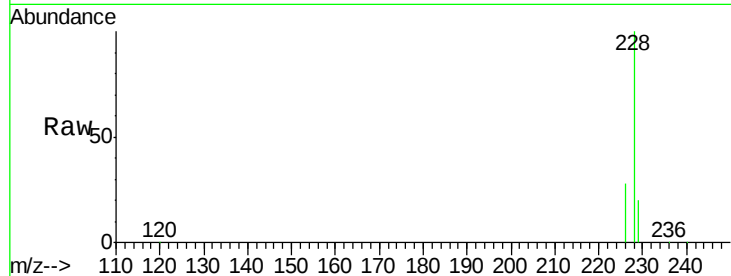
ClientSampled :

A4T51

Tot Ion:	228	Resp:	532145
Ion Ratio	Lower	Upper	
228	100		
226	28.2	18.8	28.2#
229	20.0	17.1	25.7

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#21

Chrysene

Concen: 22.49 ng/ul

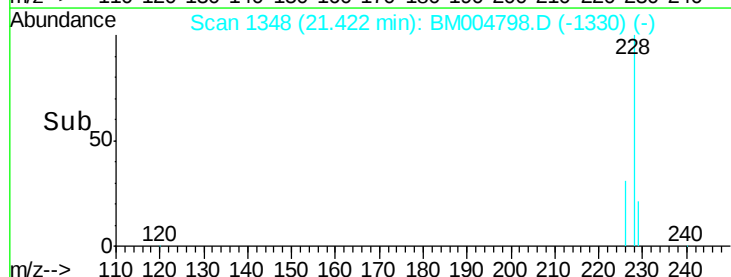
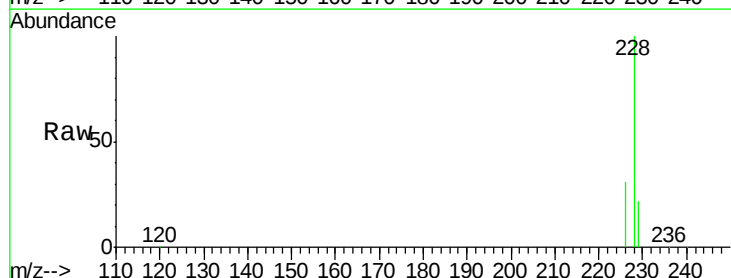
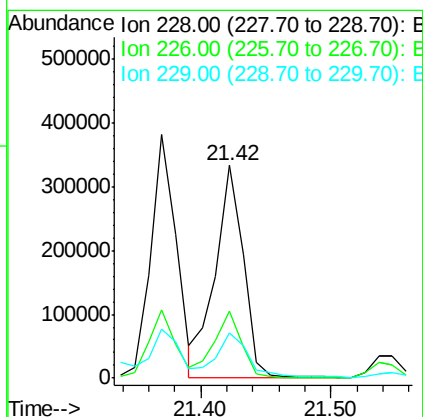
RT: 21.42 min Scan# 1348

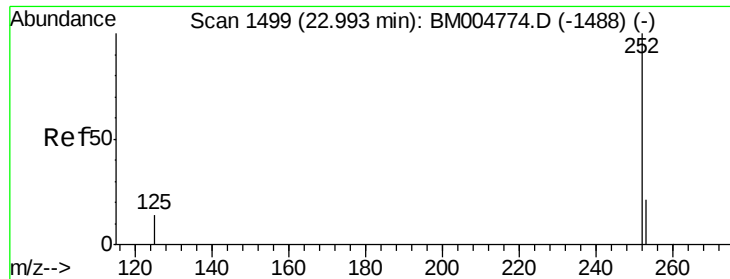
Delta R.T. -0.01 min

Lab File: BM004798.D

Acq: 26 Mar 2016 04:10

Tgt Ion:	228	Resp:	493862
Ion Ratio	Lower	Upper	
228	100		
226	31.5	21.2	31.8
229	21.5	17.0	25.6





#23

Benzo(b)fluoranthene

Concen: 22.73 ng/ul m

RT: 22.99 min Scan# 1498

Delta R.T. -0.01 min

Lab File: BM004798.D

Acq: 26 Mar 2016 04:10

Instrument :

BNA_M

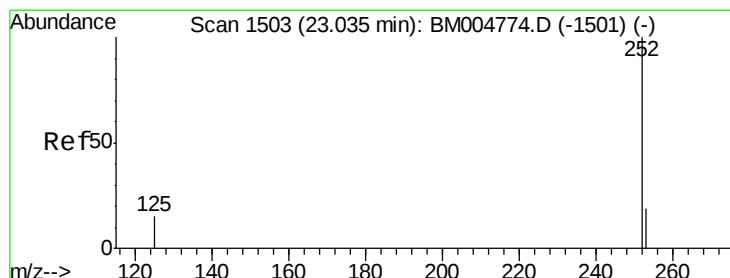
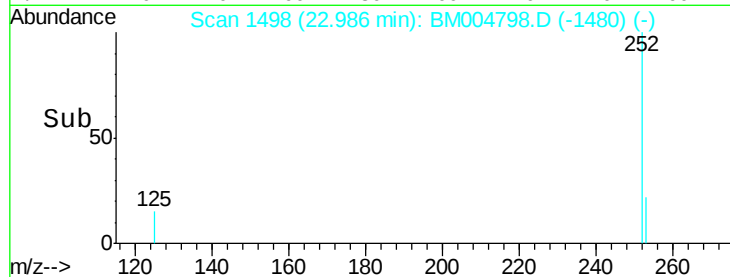
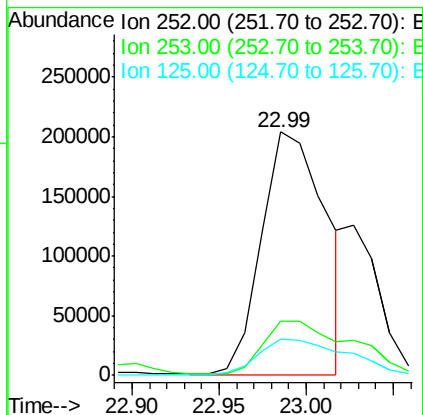
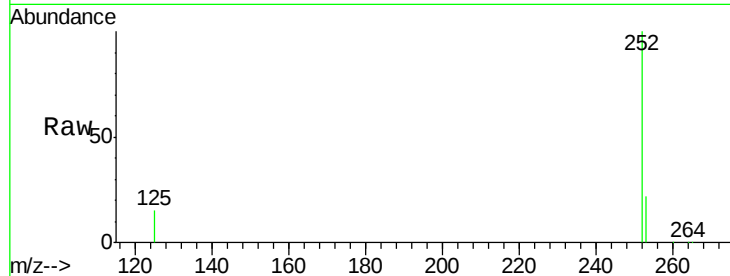
ClientSampleId :

A4T51

Tot Ion:	252	Resp:	523560
Ion Ratio	Lower	Upper	
252	100		
253	22.4	0.0	45.4
125	14.9	0.0	28.8

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#24

Benzo(k)fluoranthene

Concen: 8.06 ng/ul m

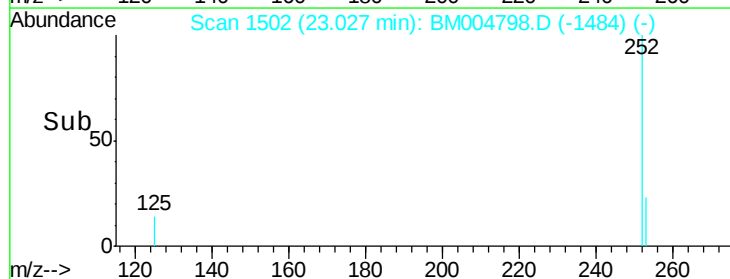
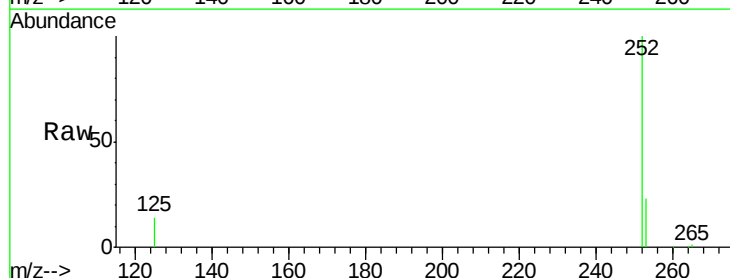
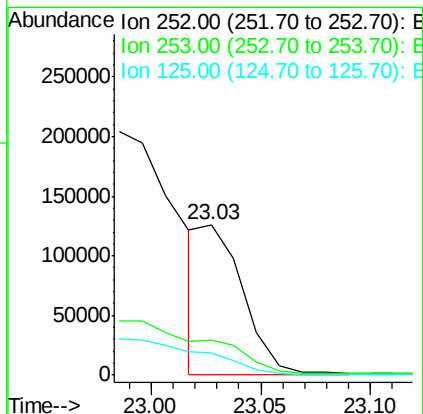
RT: 23.03 min Scan# 1502

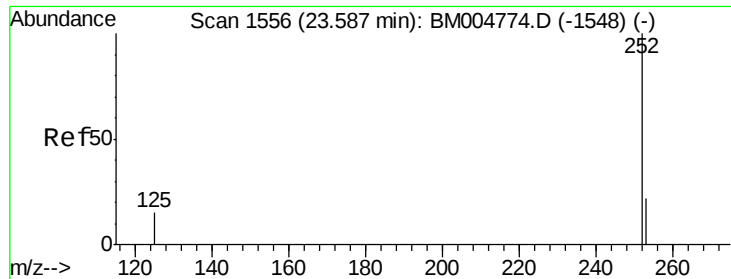
Delta R.T. -0.01 min

Lab File: BM004798.D

Acq: 26 Mar 2016 04:10

Tgt Ion:	252	Resp:	172047
Ion Ratio	Lower	Upper	
252	100		
253	23.3	19.8	29.8
125	14.5	10.4	15.6





#25

Benzo(a)pyrene

Concen: 17.68 ng/ul m

RT: 23.58 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BM004798.D

Acq: 26 Mar 2016 04:10

Instrument :

BNA_M

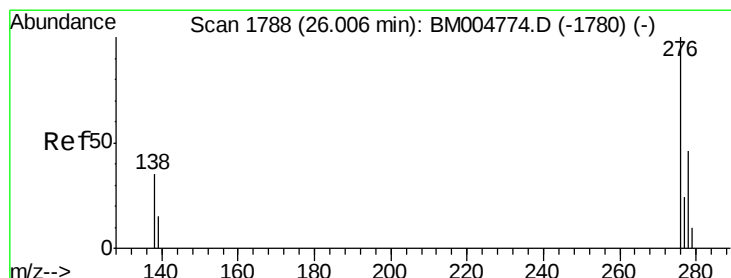
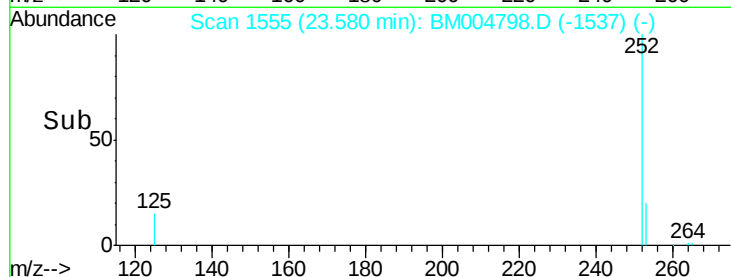
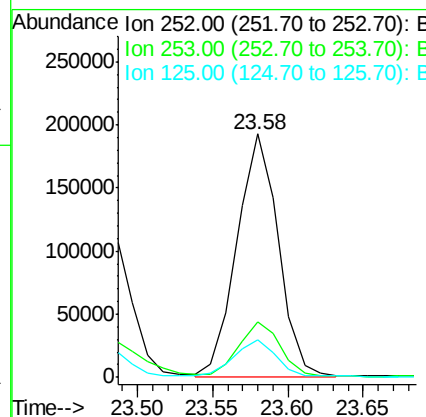
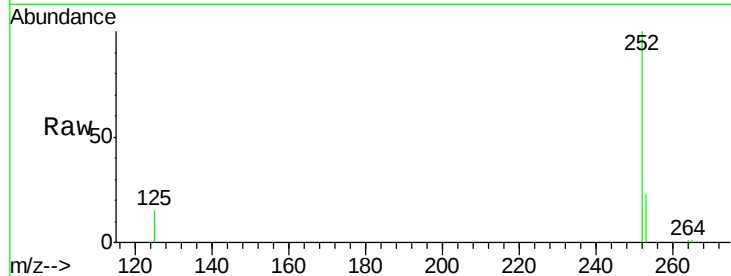
ClientSampled :

A4T51

Tot Ion:	252	Resp:	372322
Ion Ratio	Lower	Upper	
252	100		
253	22.6	19.4	29.2
125	15.3	12.7	19.1

Manual Integrations
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#26

Indeno(1,2,3-cd)pyrene

Concen: 10.00 ng/ul m

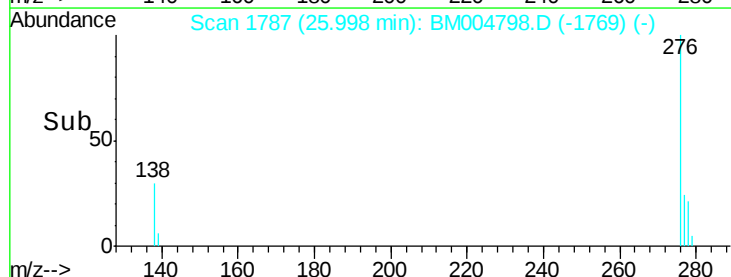
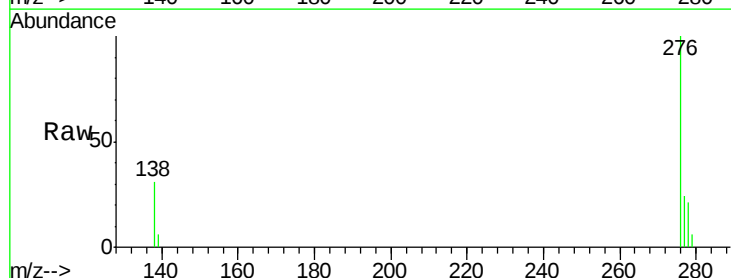
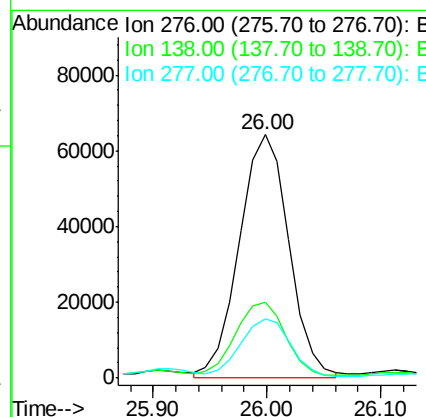
RT: 26.00 min Scan# 1787

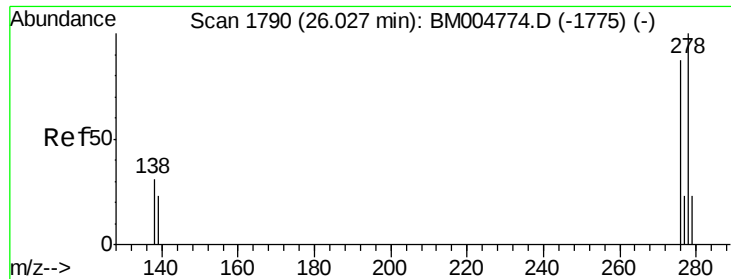
Delta R.T. -0.01 min

Lab File: BM004798.D

Acq: 26 Mar 2016 04:10

Tgt Ion:	276	Resp:	194983
Ion Ratio	Lower	Upper	
276	100		
138	2.5	16.3	24.5#
277	3.5	19.8	29.8#





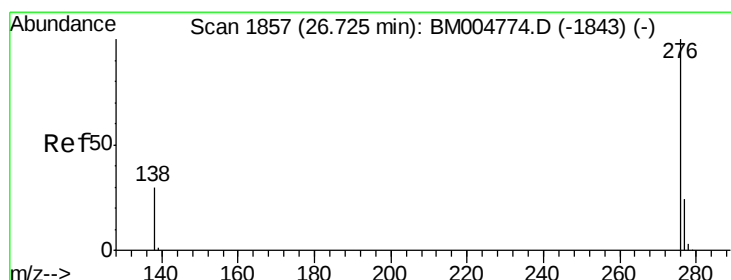
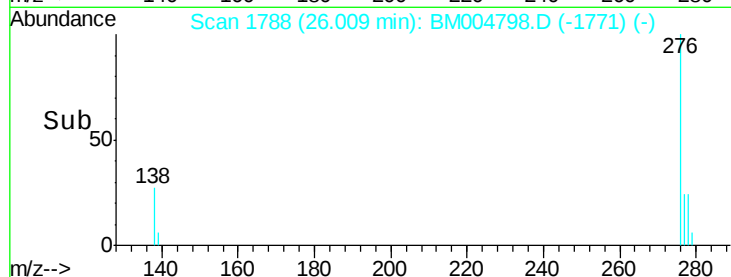
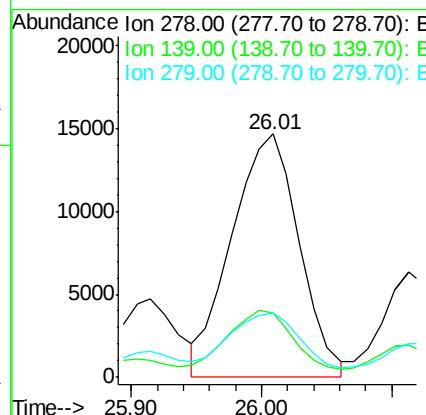
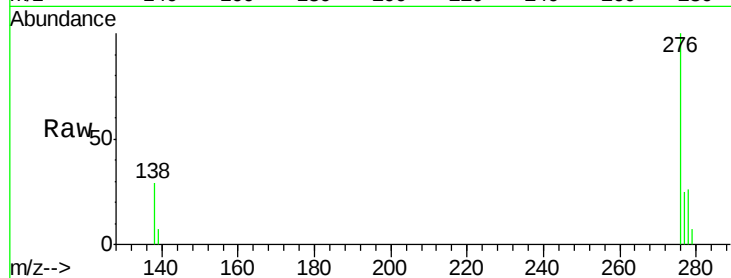
#27
Dibenzo(a,h)anthracene
Concen: 3.44 ng/ul m
RT: 26.01 min Scan# 1788
Delta R.T. -0.02 min
Lab File: BM004798.D
Acq: 26 Mar 2016 04:10

Instrument :
BNA_M
ClientSampleId :
A4T51

Tot Ion	Ratio	Lower	Upper
278	100		
139	26.6	16.4	24.6#
279	26.5	20.2	30.2

Manual Integrations
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#28
Benzo(g,h,i)perylene
Concen: 10.87 ng/ul m
RT: 26.71 min Scan# 1855
Delta R.T. -0.02 min
Lab File: BM004798.D
Acq: 26 Mar 2016 04:10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.9	28.3
138	32.7	22.5	33.7

