

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061216\
 Data File : BM005762.D
 Acq On : 12 Jun 2016 23:15
 Operator : UM/SJ
 Sample : H3536-10
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y20

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Quant Time: Jun 13 04:07:35 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 13 03:29:45 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	126097	20.00	ng/ul	0.00
7) Naphthalene-d8	10.54	136	616821	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.39	164	348212	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.14	188	647557	20.00	ng/ul	0.00
29) Chrysene-d12	21.32	240	481242	20.00	ng/ul	0.00
34) Perylene-d12	23.58	264	506551	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.19	96	1722	0.59	ng/uL	0.00
3) Phenol-d5	6.93	99	125782	11.56	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.07	67	95516	14.61	ng/ul	0.00
5) 2-Chlorophenol-d4	7.28	132	118441	13.46	ng/ul	0.00
6) 4-Methylphenol-d8	8.46	113	98241	10.69	ng/ul	0.00
8) Nitrobenzene-d5	8.90	128	70250	15.80	ng/ul	0.00
9) 2-Nitrophenol-d4	9.63	143	78854	15.69	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.17	165	140268	15.39	ng/ul	0.00
12) 4-Chloroaniline-d4	10.68	131	72363	6.58	ng/ul	0.00
16) Dimethylphthalate-d6	13.80	166	497025	17.31	ng/ul	0.00
17) Acenaphthylene-d8	14.09	160	631486	17.97	ng/ul	0.00
20) 4-Nitrophenol-d4	14.65	143	27550m	6.56	ng/ul	0.00
21) Fluorene-d10	15.39	176	435063	17.89	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.53	200	13646	4.07	ng/ul	0.00
26) Anthracene-d10	17.24	188	573665	18.81	ng/ul	0.00
30) Pyrene-d10	19.53	212	476011	20.59	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.44	264	453080	19.61	ng/ul	0.00

Target Compounds

					Qvalue
11) Naphthalene	10.59	128	54458	1.76 ng/ul	99
13) 2-Methylnaphthalene	12.20	142	43971	1.89 ng/ul	99
14) 1-Methylnaphthalene	12.42	142	40880	1.78 ng/ul	97
19) Acenaphthene	14.46	153	44602	1.91 ng/ul	96
22) Fluorene	15.44	166	51755	1.94 ng/ul#	96
25) Phenanthrene	17.18	178	827489	23.35 ng/ul	99
27) Anthracene	17.27	178	116420	3.24 ng/ul	99
28) Fluoranthene	19.20	202	912168	21.91 ng/ul	98
31) Pyrene	19.56	202	730484	24.94 ng/ul	99
32) Benzo(a)anthracene	21.31	228	310034	11.16 ng/ul	97
33) Chrysene	21.36	228	343914	12.54 ng/ul	98
35) Benzo(b)fluoranthene	22.90	252	455452	15.13 ng/ul	99
36) Benzo(k)fluoranthene	22.94	252	141893m	4.67 ng/ul	
38) Benzo(a)pyrene	23.49	252	288897	10.11 ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.87	276	227769	8.17 ng/ul#	93
40) Dibenzo(a,h)anthracene	25.87	278	57433	2.46 ng/ul#	83
41) Benzo(g,h,i)perylene	26.58	276	203188	8.71 ng/ul	99

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

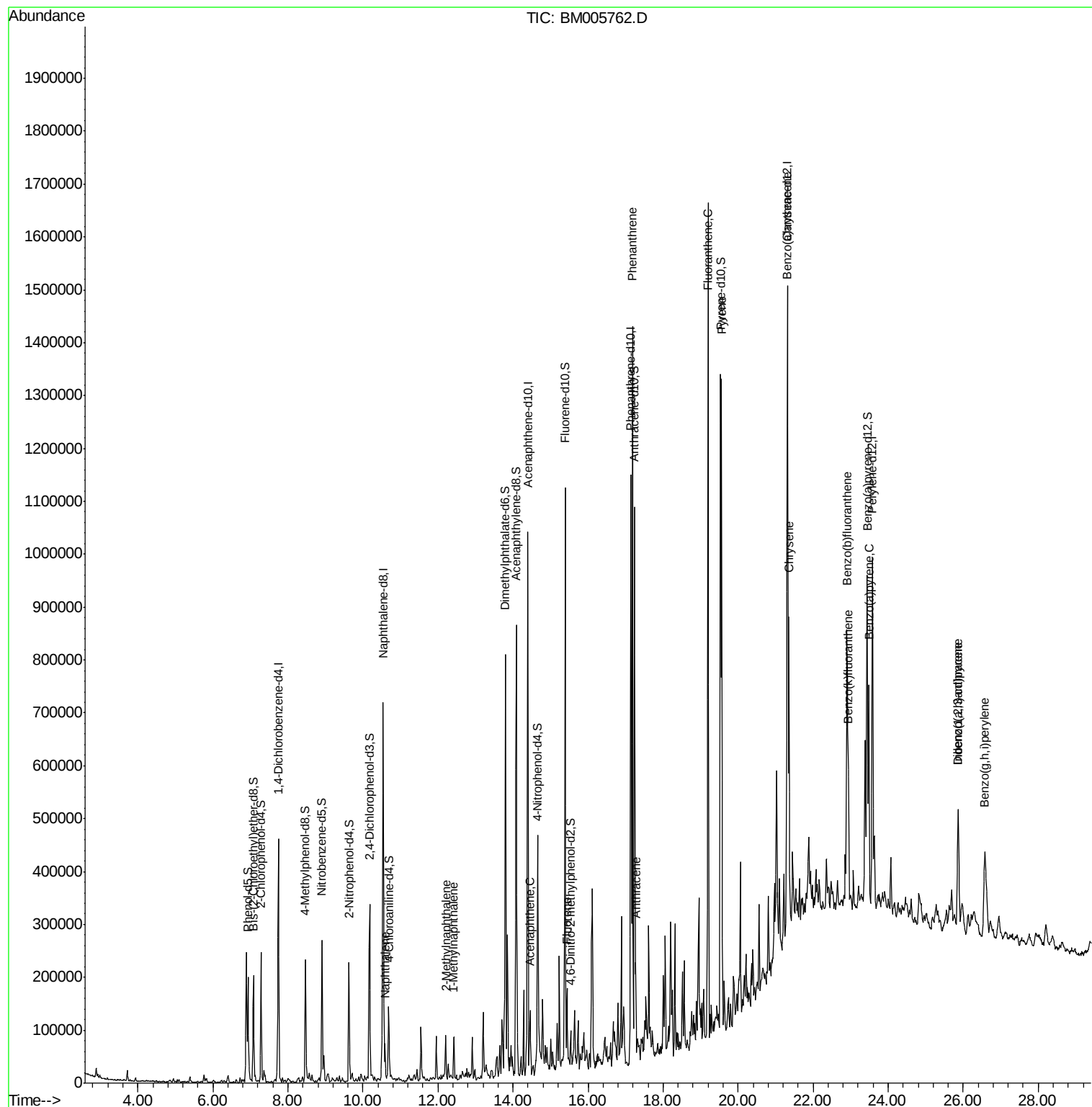
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061216\
Data File : BM005762.D
Acq On : 12 Jun 2016 23:15
Operator : UM/SJ
Sample : H3536-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

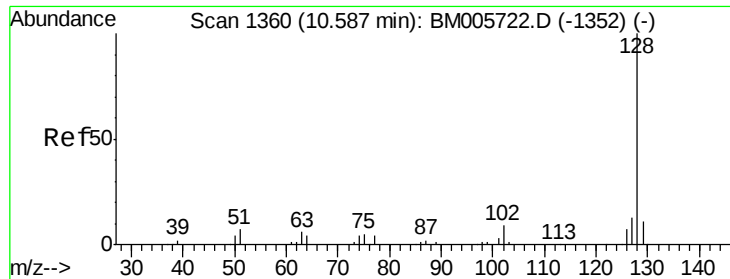
Instrument :
BNA_M
ClientSampled :
D9Y20

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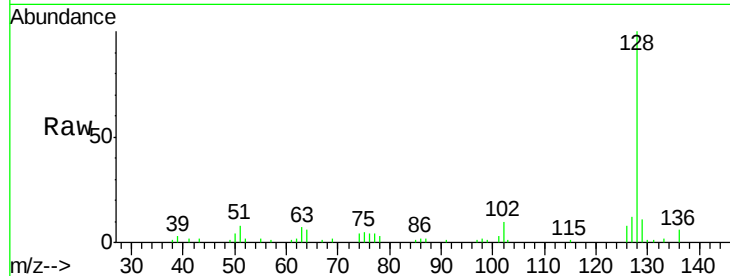
#11
Naphthalene
Concen: 1.76 ng/ul
RT: 10.59 min Scan# 1360
Delta R.T. -0.01 min
Lab File: BM005762.D
Acq: 12 Jun 2016 23:15

Instrument :
BNA_M
ClientSampleId :
D9Y20

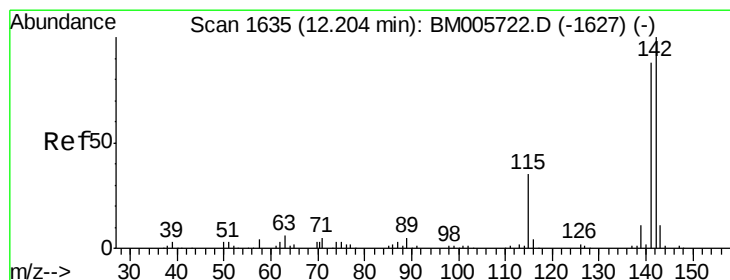
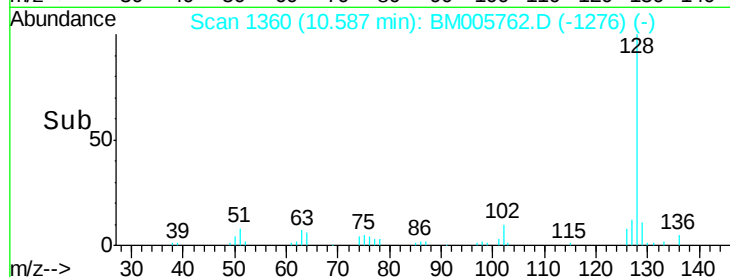
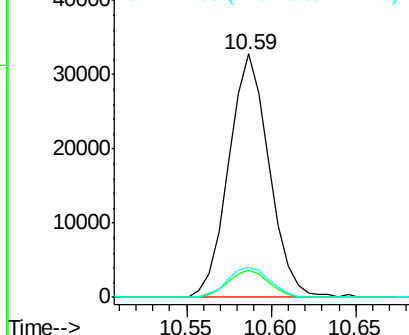
Tgt Ion	Ratio	Resp	Lower	Upper
128	100	54458		
129	11.2	8.8	13.2	
127	12.4	10.3	15.5	

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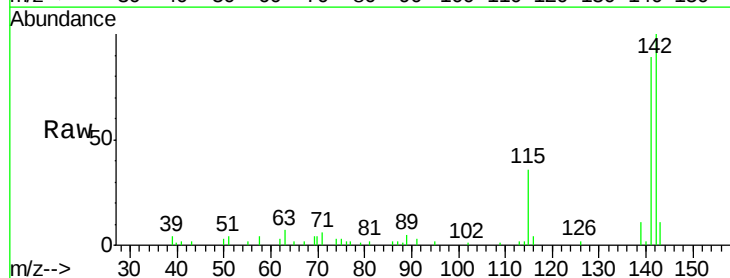


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

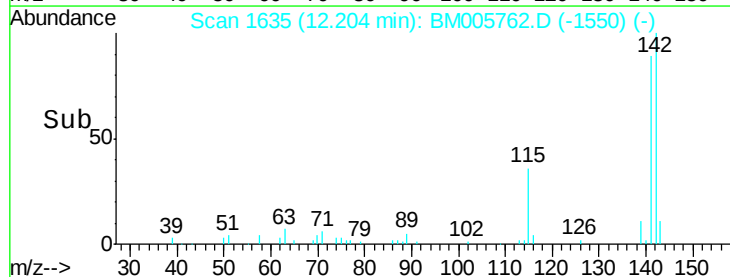
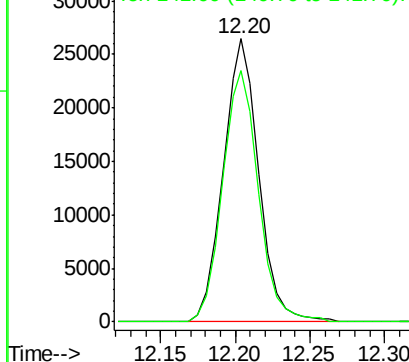


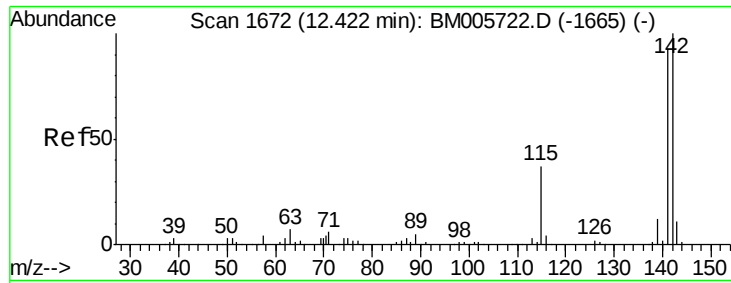
#13
2-Methylnaphthalene
Concen: 1.89 ng/ul
RT: 12.20 min Scan# 1635
Delta R.T. 0.00 min
Lab File: BM005762.D
Acq: 12 Jun 2016 23:15

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	43971		
141	88.9	70.2	105.4	



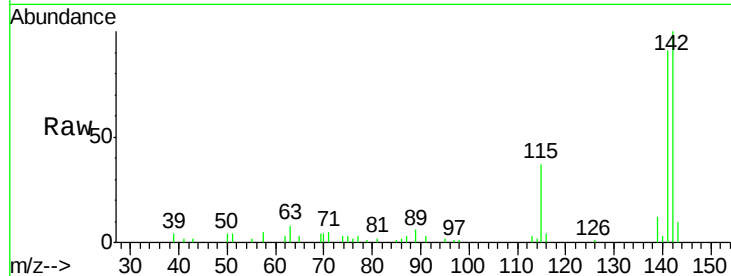
Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#14
 1-Methylnaphthalene
 Concen: 1.78 ng/ul
 RT: 12.42 min Scan# 1672
 Delta R.T. -0.01 min
 Lab File: BM005762.D
 Acq: 12 Jun 2016 23:15

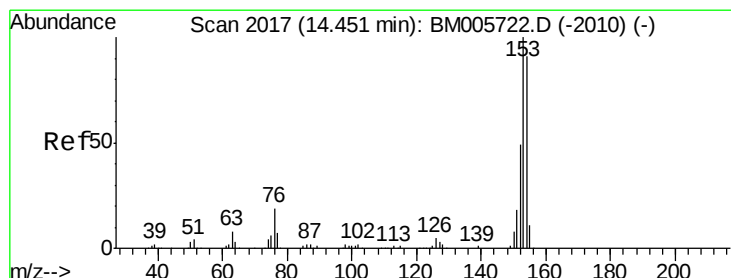
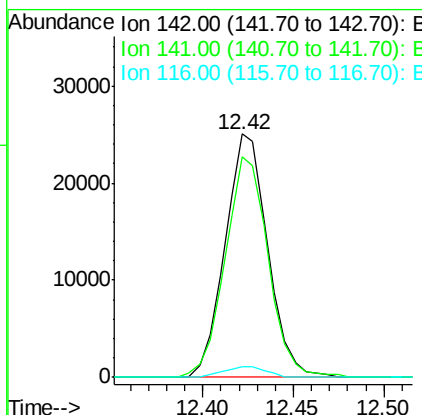
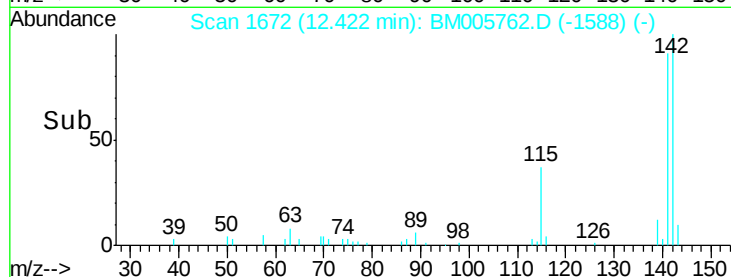
Instrument :
 BNA_M
 ClientSampleId :
 D9Y20



Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.7	74.6	111.8
116	4.2	3.0	4.6

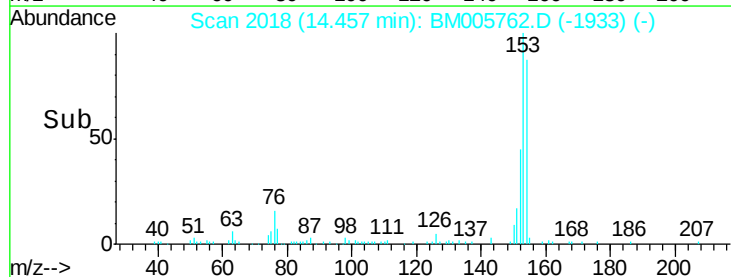
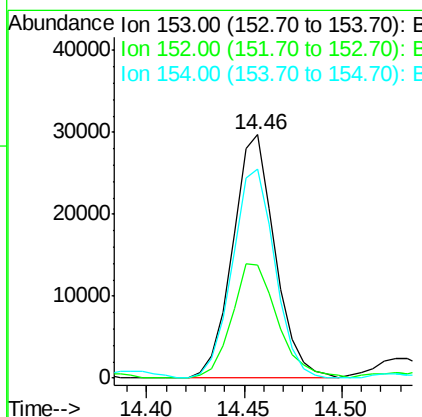
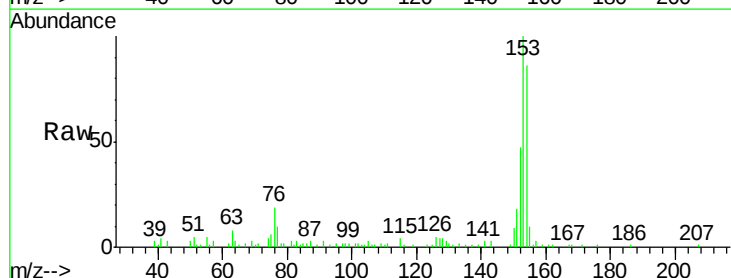
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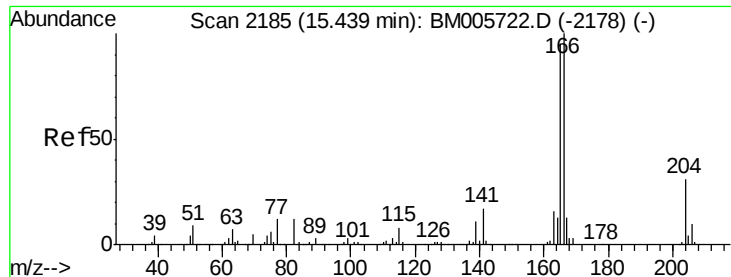
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#19
 Acenaphthene
 Concen: 1.91 ng/ul
 RT: 14.46 min Scan# 2018
 Delta R.T. 0.00 min
 Lab File: BM005762.D
 Acq: 12 Jun 2016 23:15

Tgt Ion	Ratio	Lower	Upper
153	100		
152	46.6	38.8	58.2
154	85.7	72.5	108.7





#22

Fluorene

Concen: 1.94 ng/ul

RT: 15.44 min Scan# 2185

Delta R.T. -0.01 min

Lab File: BM005762.D

Acq: 12 Jun 2016 23:15

Instrument :

BNA_M

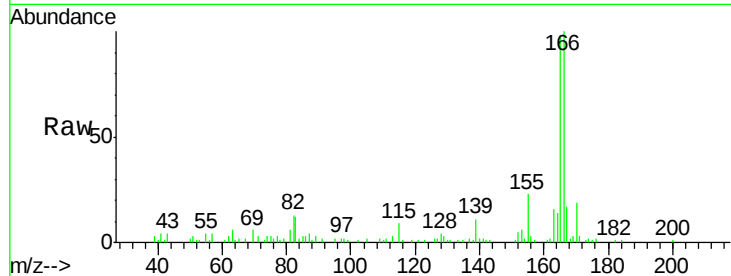
ClientSampleId :

D9Y20

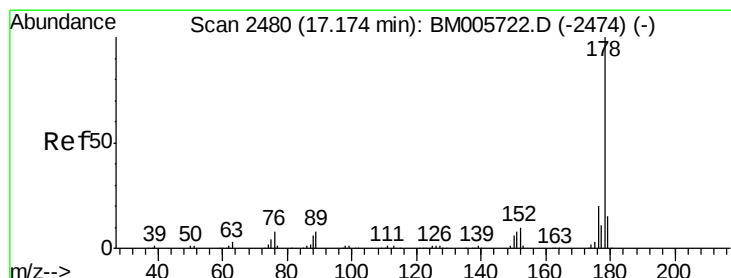
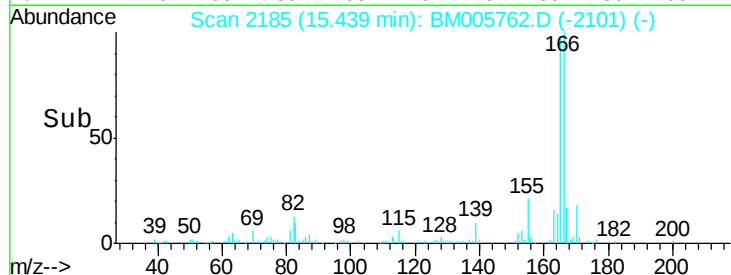
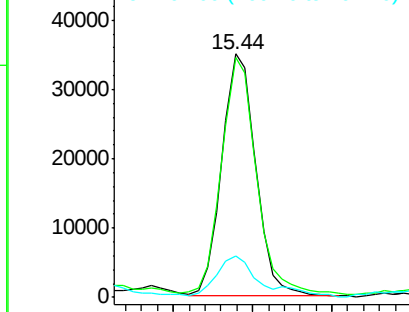
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	51755		
165	98.4	76.4	114.6	
167	17.2	10.6	16.0	

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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



#25

Phenanthrene

Concen: 23.35 ng/ul

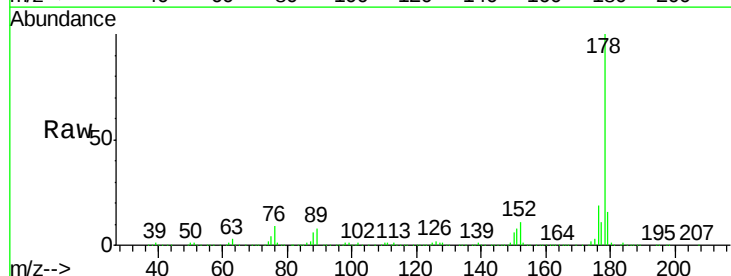
RT: 17.18 min Scan# 2481

Delta R.T. -0.01 min

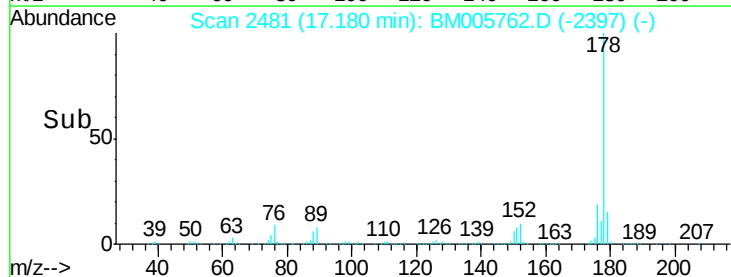
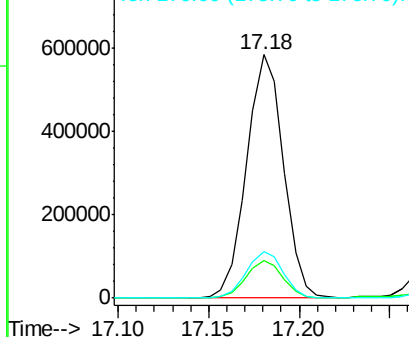
Lab File: BM005762.D

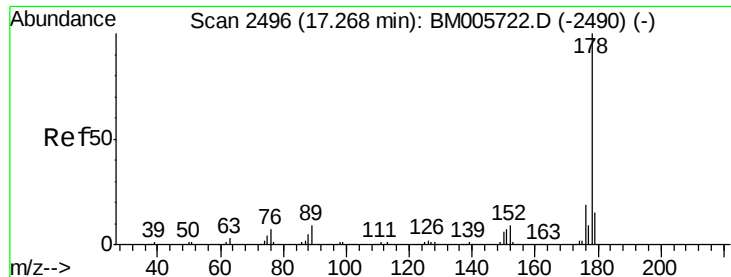
Acq: 12 Jun 2016 23:15

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	827489		
179	15.5	12.4	18.6	
176	19.2	15.8	23.6	



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





#27

Anthracene

Concen: 3.24 ng/ul

RT: 17.27 min Scan# 2497

Delta R.T. 0.00 min

Lab File: BM005762.D

Acq: 12 Jun 2016 23:15

Instrument :

BNA_M

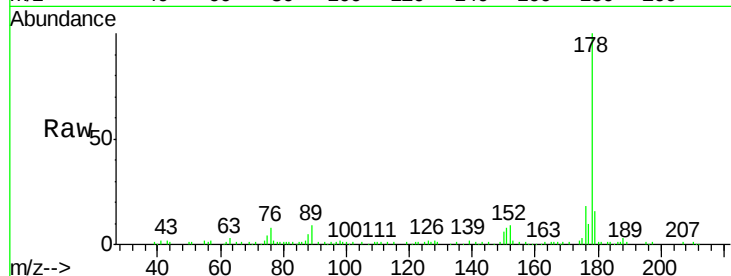
ClientSampleId :

D9Y20

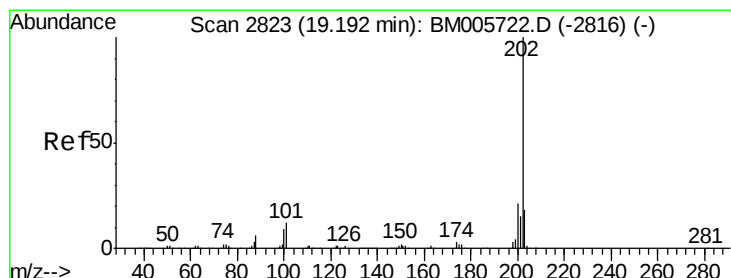
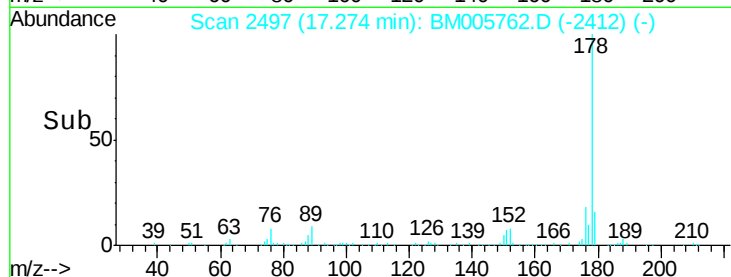
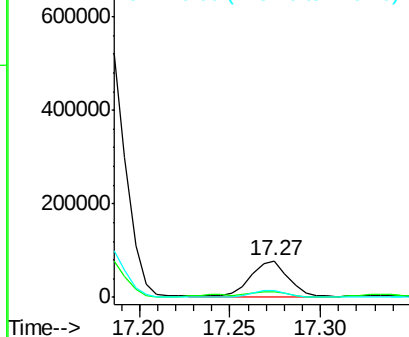
Tgt Ion:	178	Resp:	116420
Ion Ratio	Lower	Upper	
178	100		
179	15.9	12.1	18.1
176	18.4	15.0	22.6

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



#28

Fluoranthene

Concen: 21.91 ng/ul

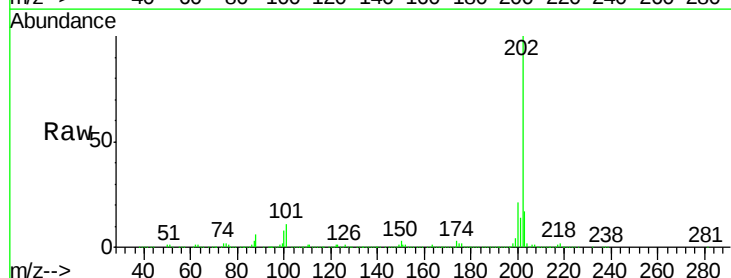
RT: 19.20 min Scan# 2824

Delta R.T. -0.01 min

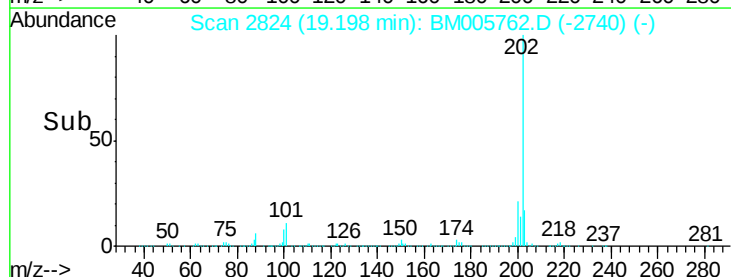
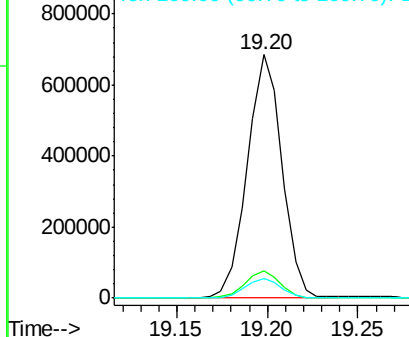
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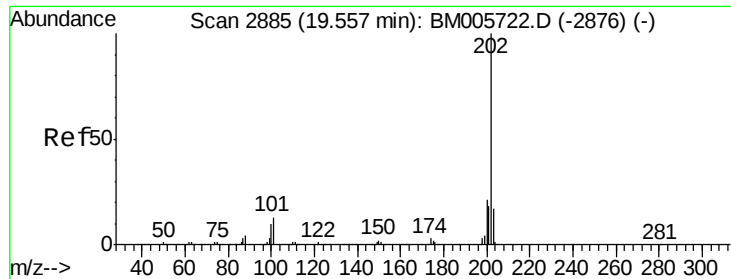
Acq: 12 Jun 2016 23:15

Tgt Ion:	202	Resp:	912168
Ion Ratio	Lower	Upper	
202	100		
101	11.0	9.4	14.2
100	8.2	6.9	10.3



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B





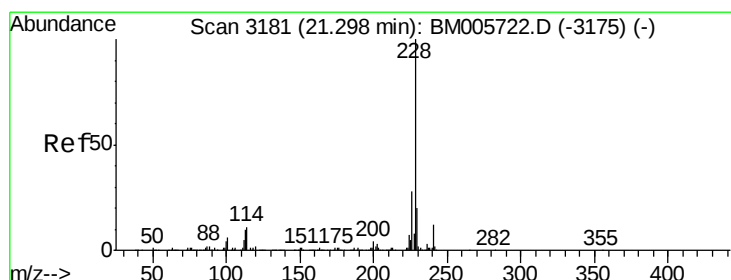
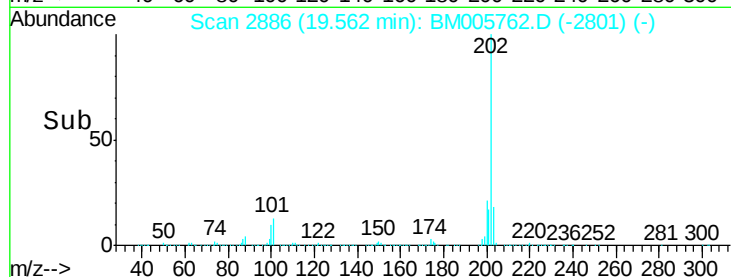
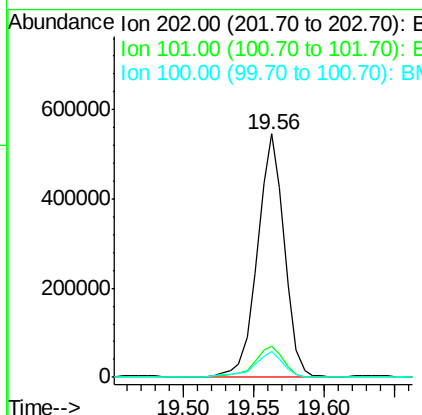
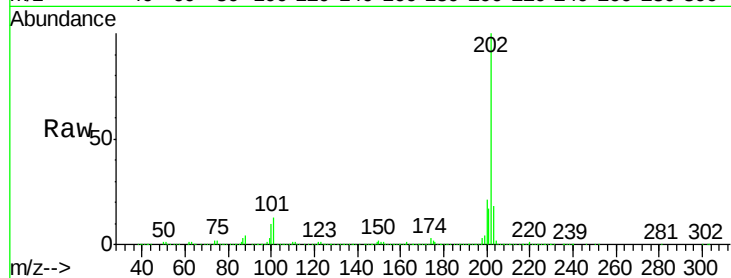
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 Pyrene
 Concen: 24.94 ng/ul
 RT: 19.56 min Scan# 2886
 Delta R.T. 0.00 min
 Lab File: BM005762.D
 Acq: 12 Jun 2016 23:15

Instrument :
 BNA_M
 ClientSampleId :
 D9Y20

Tgt	Ion	202	Resp:	730484
Ion	Ratio	Lower	Upper	
202	100			
101	12.9	10.6	15.8	
100	10.4	8.4	12.6	

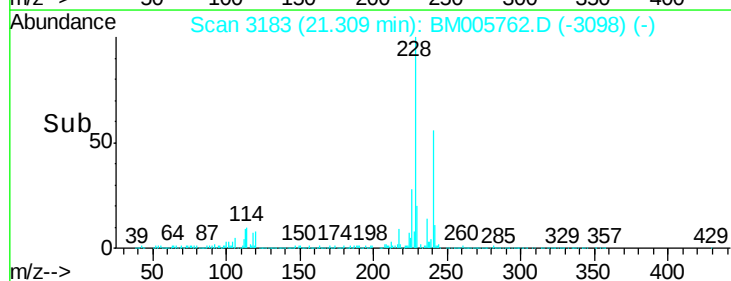
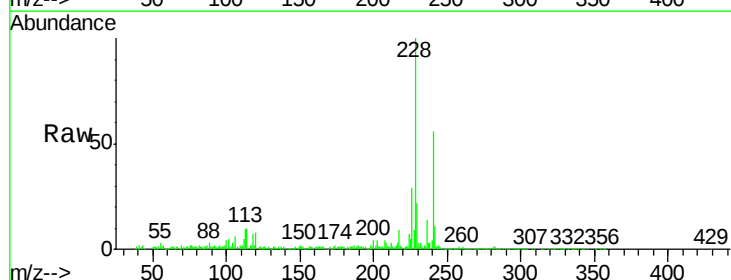
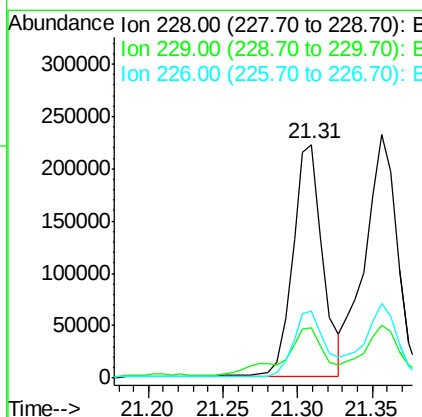
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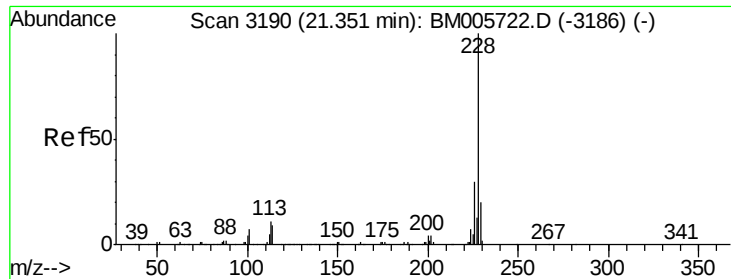
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#32
 Benzo(a)anthracene
 Concen: 11.16 ng/ul
 RT: 21.31 min Scan# 3183
 Delta R.T. 0.00 min
 Lab File: BM005762.D
 Acq: 12 Jun 2016 23:15

Tgt	Ion	228	Resp:	310034
Ion	Ratio	Lower	Upper	
228	100			
229	21.8	16.1	24.1	
226	28.6	22.1	33.1	





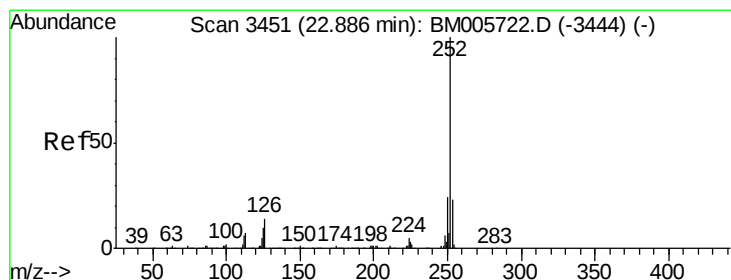
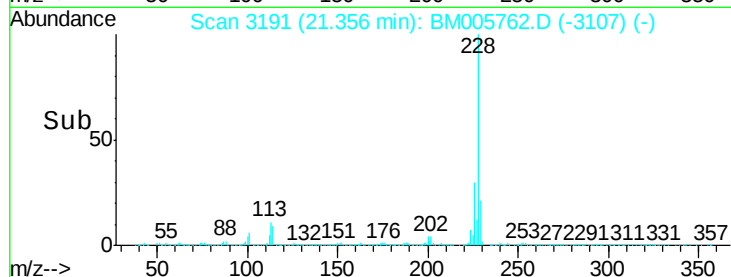
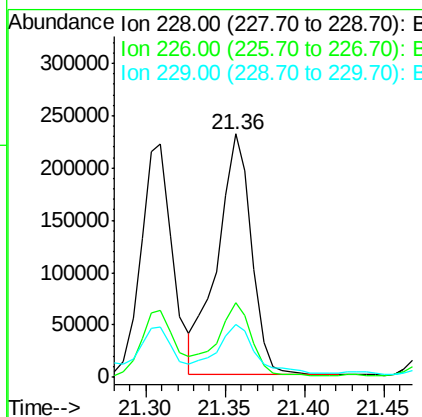
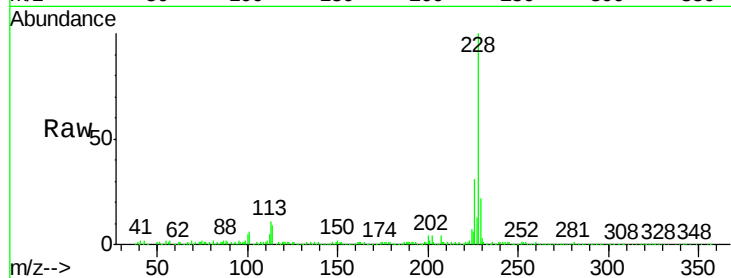
#33
Chrysene
Concen: 12.54 ng/ul
RT: 21.36 min Scan# 3191
Delta R.T. -0.01 min
Lab File: BM005762.D
Acq: 12 Jun 2016 23:15

Instrument :
BNA_M
ClientSampleId :
D9Y20

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	30.6	24.2	36.2
229	21.9	15.8	23.8

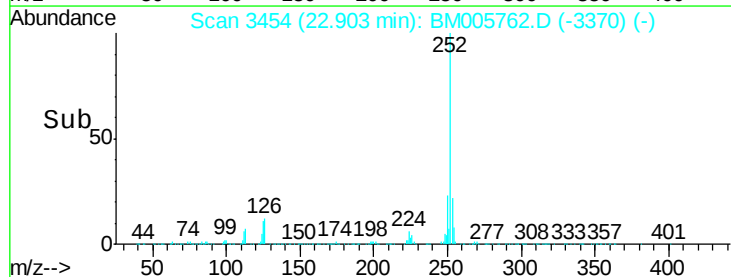
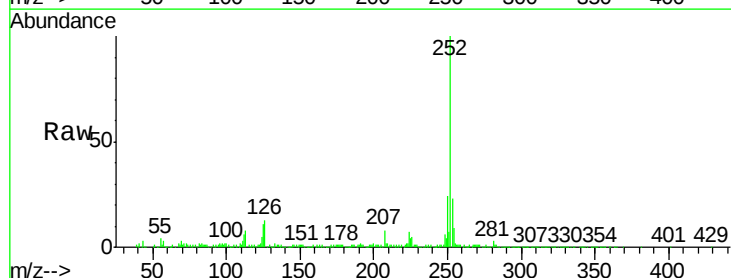
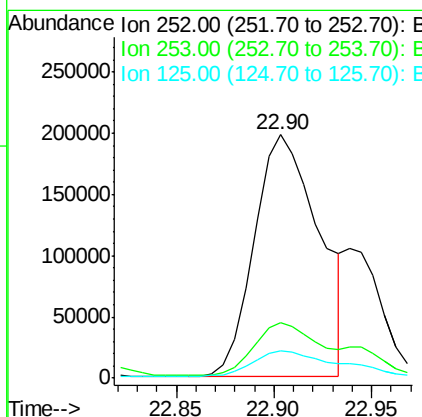
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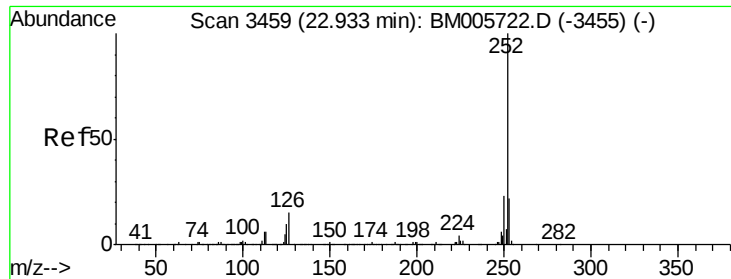
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#35
Benzo(b)fluoranthene
Concen: 15.13 ng/ul
RT: 22.90 min Scan# 3454
Delta R.T. -0.01 min
Lab File: BM005762.D
Acq: 12 Jun 2016 23:15

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.6	18.2	27.2
125	11.1	8.4	12.6





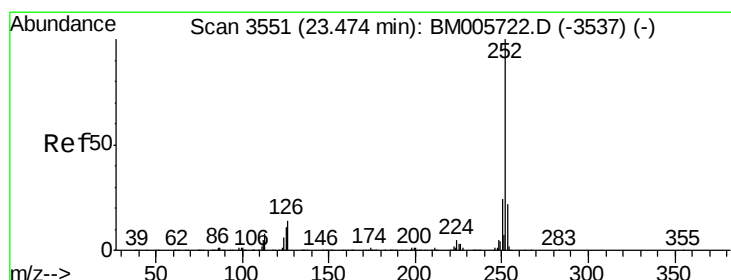
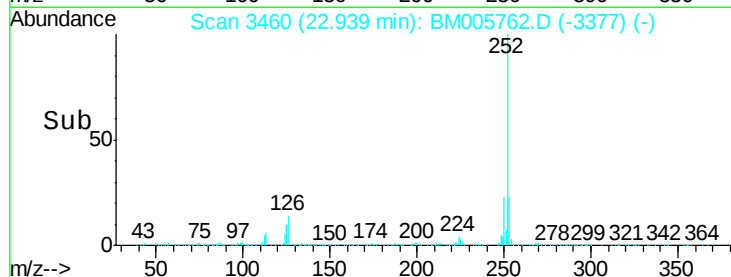
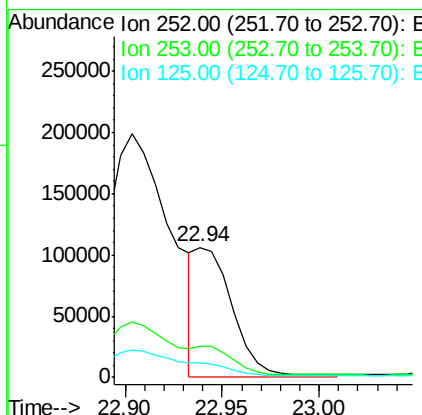
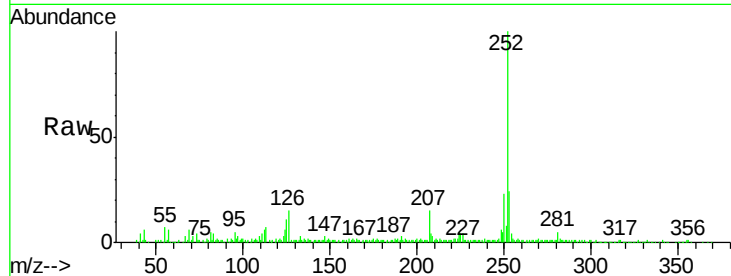
#36
Benzo(k)fluoranthene
Concen: 4.67 ng/ul m
RT: 22.94 min Scan# 3460
Delta R.T. -0.01 min
Lab File: BM005762.D
Acq: 12 Jun 2016 23:15

Instrument :
BNA_M
ClientSampleId :
D9Y20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.5	26.3
125	11.5	8.2	12.2

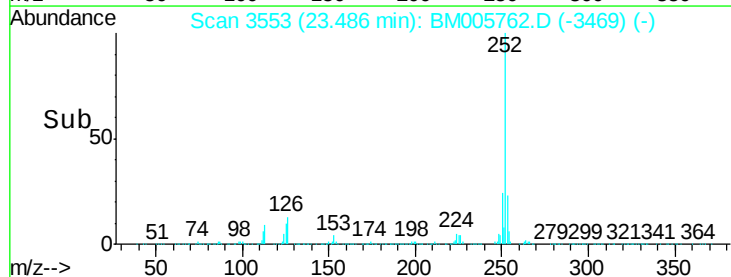
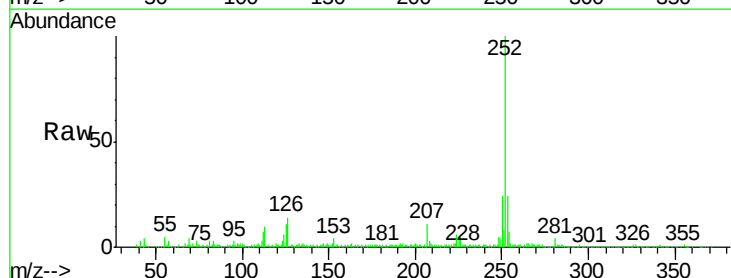
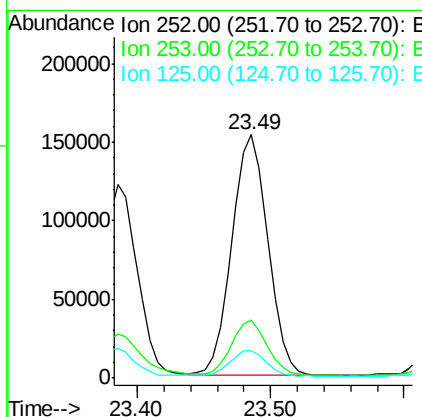
Manual Integrations
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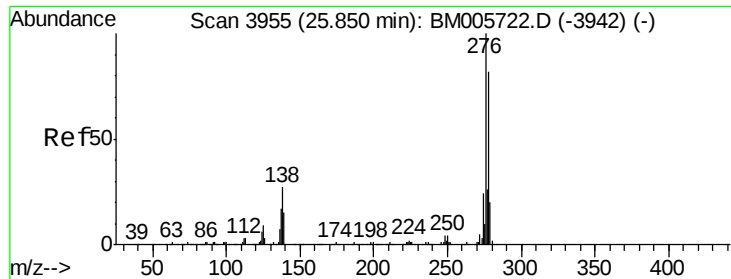
umangi
6/13/2016 7:49:03 PM



#38
Benzo(a)pyrene
Concen: 10.11 ng/ul
RT: 23.49 min Scan# 3553
Delta R.T. -0.01 min
Lab File: BM005762.D
Acq: 12 Jun 2016 23:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.7	26.5
125	11.2	9.1	13.7





#39

Indeno(1,2,3-cd)pyrene

Concen: 8.17 ng/ul

RT: 25.87 min Scan# 3958

Delta R.T. -0.01 min

Lab File: BM005762.D

Acq: 12 Jun 2016 23:15

Instrument :

BNA_M

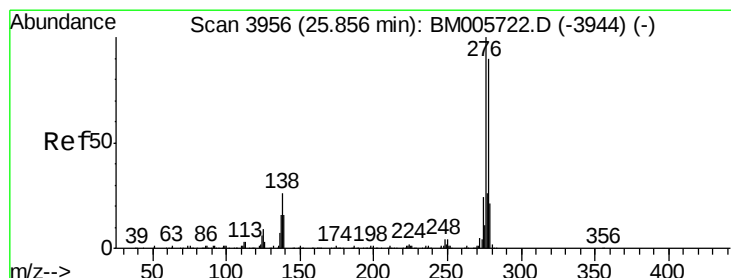
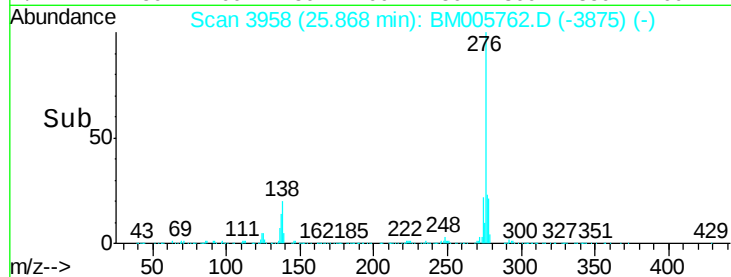
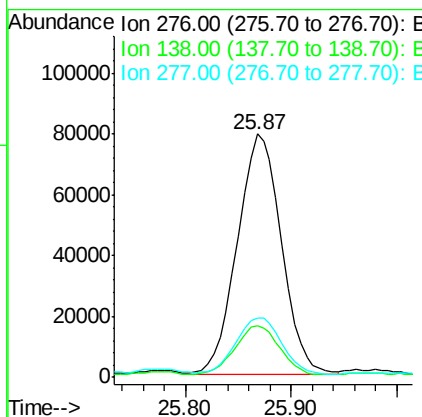
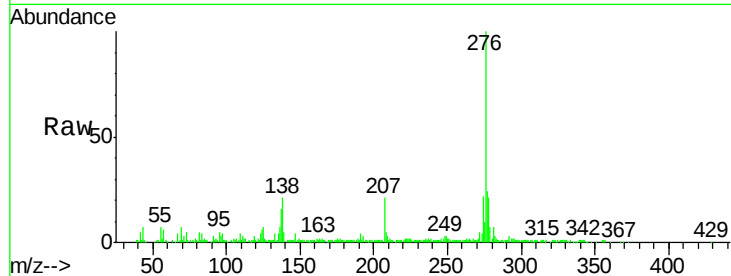
ClientSampleId :

D9Y20

Tgt Ion:	276	Resp:	227769
Ion Ratio		Lower	Upper
276	100		
138	21.1	21.4	32.2#
277	24.1	20.5	30.7

Manual Integrations
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#40

Dibenzo(a,h)anthracene

Concen: 2.46 ng/ul

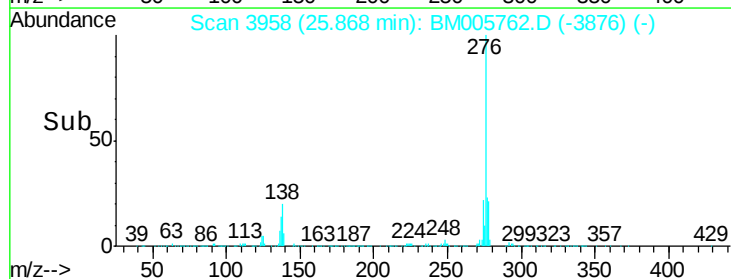
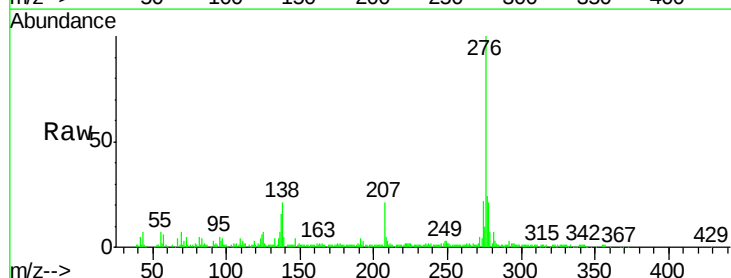
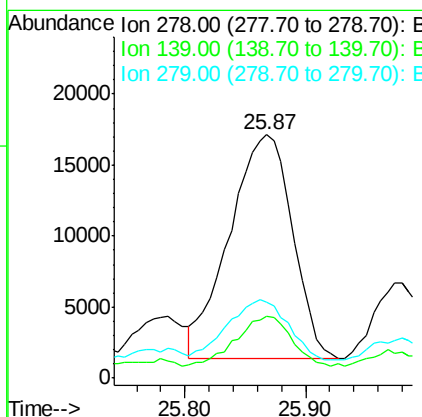
RT: 25.87 min Scan# 3958

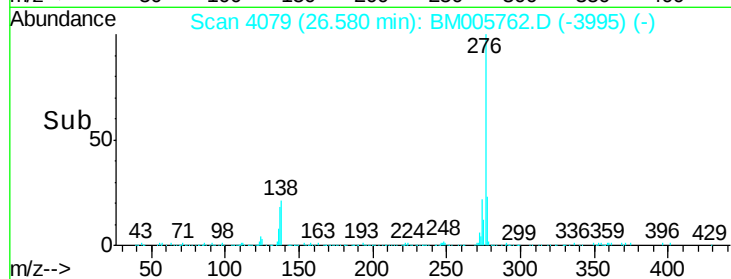
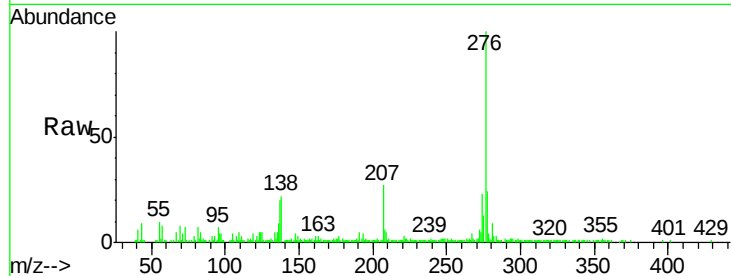
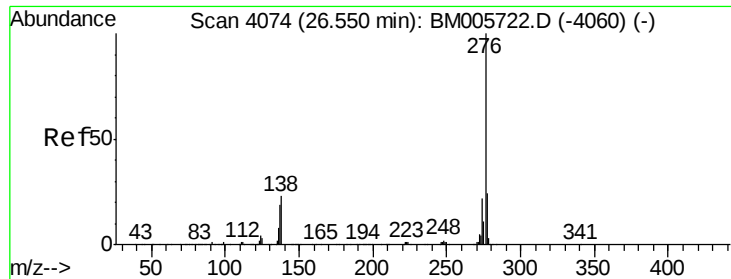
Delta R.T. -0.02 min

Lab File: BM005762.D

Acq: 12 Jun 2016 23:15

Tgt Ion:	278	Resp:	57433
Ion Ratio		Lower	Upper
278	100		
139	25.5	14.2	21.4#
279	31.4	18.8	28.2#





#41
Benzo(g,h,i)perylene
Concen: 8.71 ng/ul
RT: 26.58 min Scan# 4079
Delta R.T. -0.01 min
Lab File: BM005762.D
Acq: 12 Jun 2016 23:15

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	22.0	18.2	27.4
277	24.0	19.5	29.3

Instrument :
BNA_M
ClientSampleId :
D9Y20

Manual Integrations
APPROVED

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