

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062716\
 Data File : BM006085.D
 Acq On : 28 Jun 2016 00:21
 Operator : UM/SJ
 Sample : H3779-04MS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YD4MS

Manual Integrations
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 6/28/2016 2:34:43 PM

Quant Time: Jun 28 04:06:08 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 28 02:11:41 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	296368	20.00	ng/ul	0.00
7) Naphthalene-d8	10.44	136	1505546	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.31	164	948150	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.06	188	2171246	20.00	ng/ul	0.00
29) Chrysene-d12	21.26	240	1732976	20.00	ng/ul	0.00
34) Perylene-d12	23.48	264	1636866	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.18	96	8397	1.27	ng/uL	0.00
3) Phenol-d5	6.83	99	534865	17.16	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.00	67	295036	17.01	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	390712	17.99	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	443650	16.86	ng/ul	0.00
8) Nitrobenzene-d5	8.81	128	205638	17.94	ng/ul	0.00
9) 2-Nitrophenol-d4	9.53	143	222106	17.41	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	448278	18.32	ng/ul	0.00
12) 4-Chloroaniline-d4	10.58	131	436517	16.44	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	1390160	17.13	ng/ul	0.00
17) Acenaphthylene-d8	14.00	160	1788740	19.00	ng/ul	0.00
20) 4-Nitrophenol-d4	14.52	143	246892	14.26	ng/ul	0.00
21) Fluorene-d10	15.30	176	1269237	18.31	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.43	200	108236	8.98	ng/ul	0.00
26) Anthracene-d10	17.16	188	2008270	20.14	ng/ul	0.00
30) Pyrene-d10	19.46	212	2045317	26.94	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.34	264	1472747	19.93	ng/ul	0.00

Target Compounds

						Qvalue
11) Naphthalene	10.49	128	148343	1.97	ng/ul	99
18) Acenaphthylene	14.03	152	346154	3.49	ng/ul	100
19) Acenaphthene	14.37	153	966773	15.33	ng/ul	99
22) Fluorene	15.36	166	78577	1.03	ng/ul	98
25) Phenanthrene	17.10	178	1901708	16.28	ng/ul	100
27) Anthracene	17.19	178	596091	4.94	ng/ul	99
28) Fluoranthene	19.13	202	5438846	36.36	ng/ul	97
31) Pyrene	19.49	202	6019355m	60.67	ng/ul	
32) Benzo(a)anthracene	21.24	228	2738681	26.60	ng/ul	96
33) Chrysene	21.29	228	2726079	28.99	ng/ul	98
35) Benzo(b)fluoranthene	22.82	252	3721862	39.13	ng/ul	97
36) Benzo(k)fluoranthene	22.86	252	1308231m	14.79	ng/ul	
38) Benzo(a)pyrene	23.39	252	2442645	26.79	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.71	276	1921998	17.68	ng/ul#	92
40) Dibenzo(a,h)anthracene	25.71	278	523050	5.79	ng/ul	93
41) Benzo(g,h,i)perylene	26.39	276	1599451	17.01	ng/ul	97

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

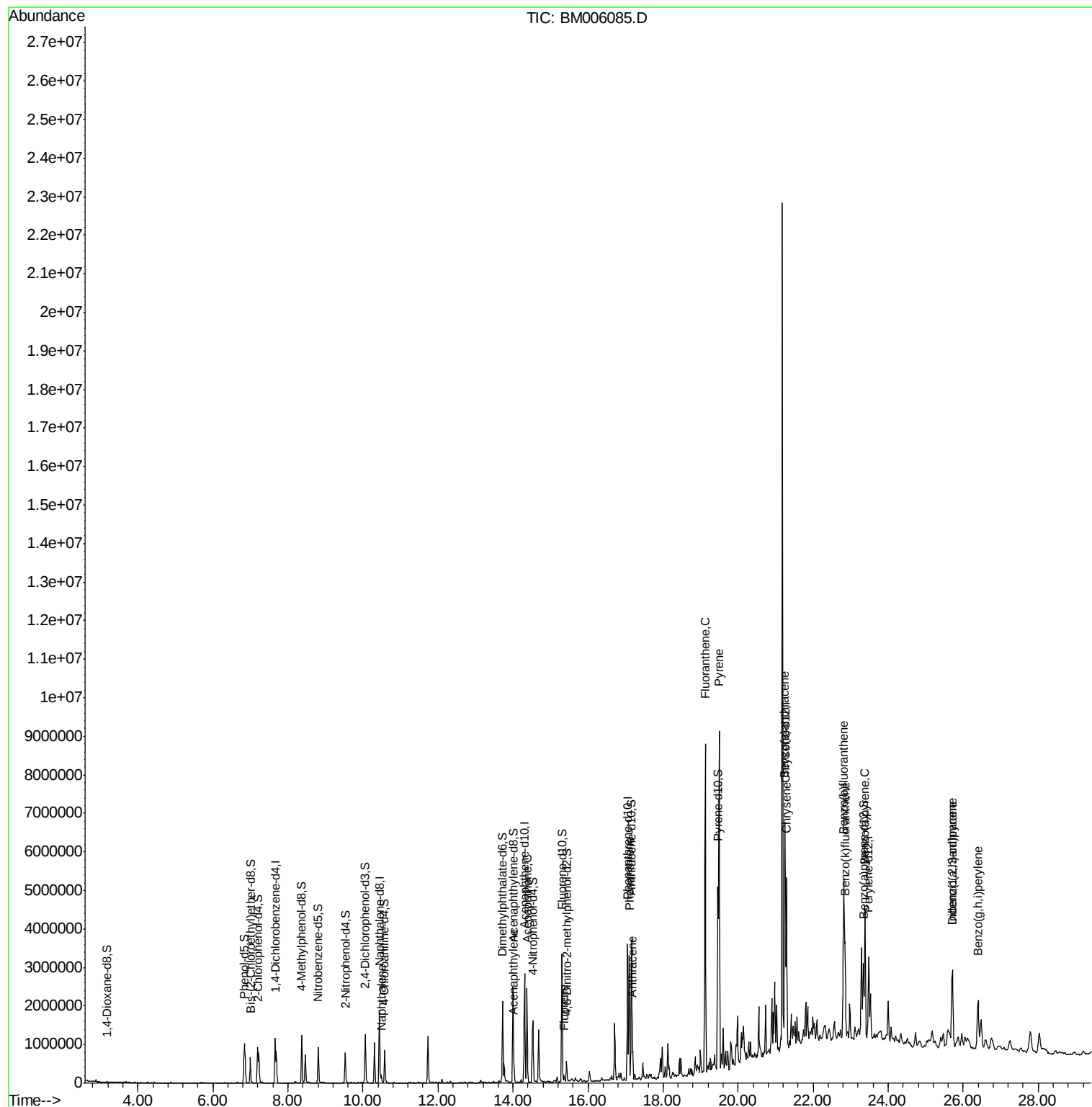
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062716\
Data File : BM006085.D
Acq On : 28 Jun 2016 00:21
Operator : UM/SJ
Sample : H3779-04MS
Misc :
ALS Vial : 19 Sample Multiplier: 1

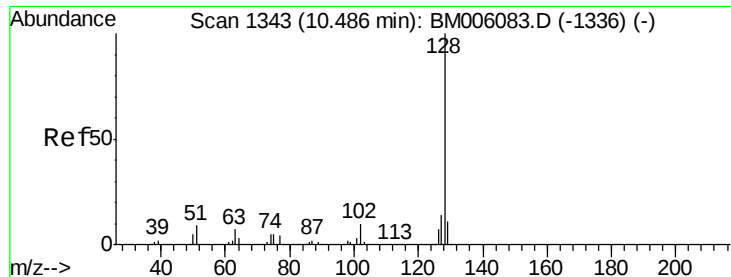
Instrument :
BNA_M
ClientSampleId :
D9YD4MS

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Quant Time: Jun 28 04:06:08 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062516.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





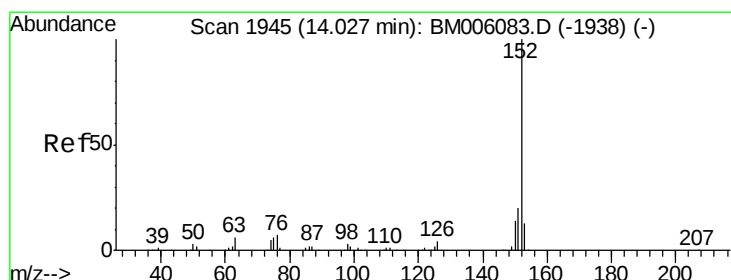
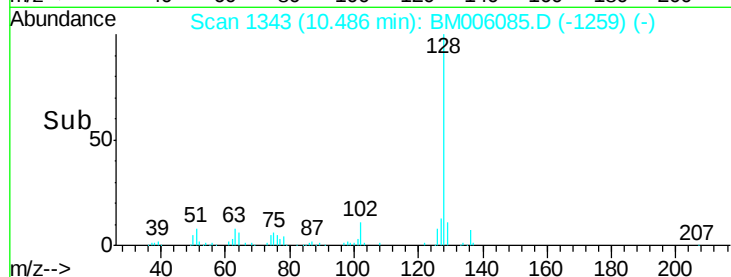
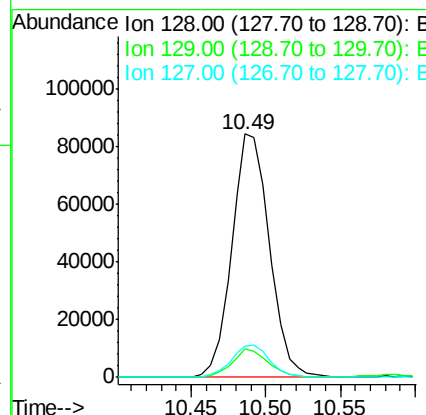
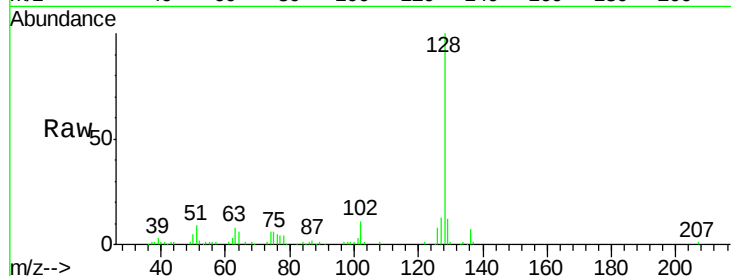
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Naphthalene
Concen: 1.97 ng/ul
RT: 10.49 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BM006085.D
Acq: 28 Jun 2016 00:21

Instrument :
BNA_M
ClientSampleId :
D9YD4MS

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	148343		
129	11.6	8.9	13.3	
127	12.8	10.5	15.7	

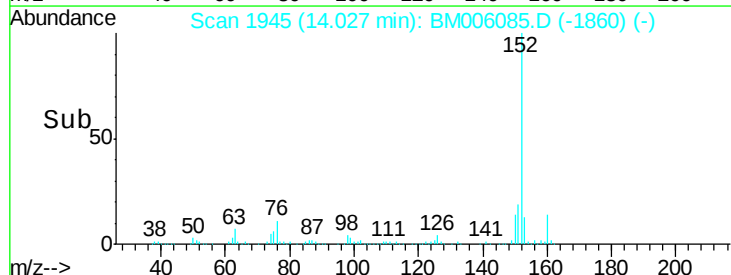
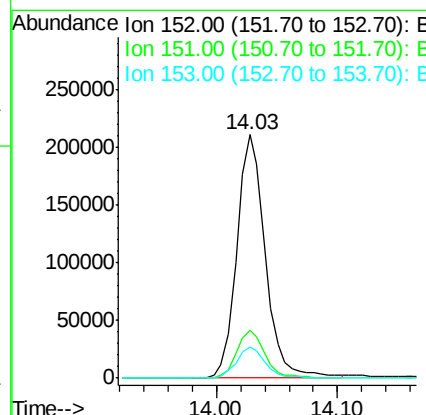
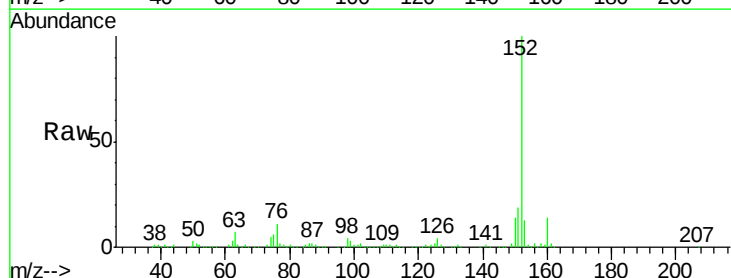
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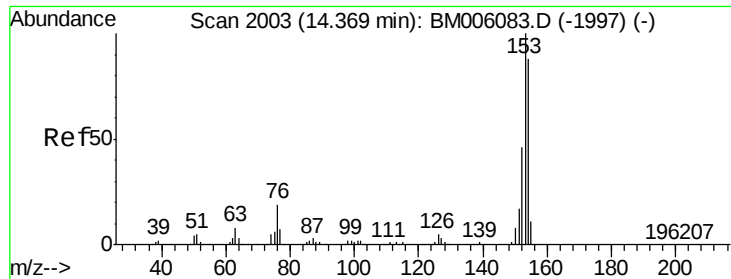
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#18
Acenaphthylene
Concen: 3.49 ng/ul
RT: 14.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: BM006085.D
Acq: 28 Jun 2016 00:21

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	346154		
151	19.4	15.8	23.6	
153	12.9	10.3	15.5	





#19

Acenaphthene

Concen: 15.33 ng/ul

RT: 14.37 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BM006085.D

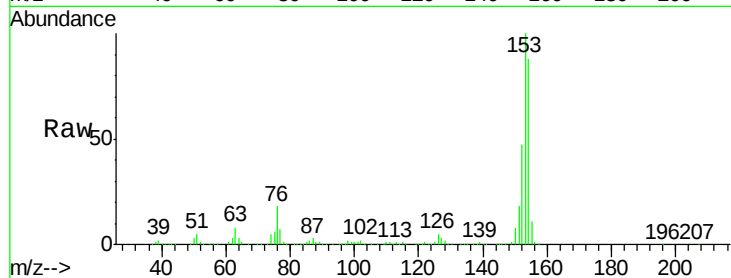
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Instrument :

BNA_M

ClientSampleId :

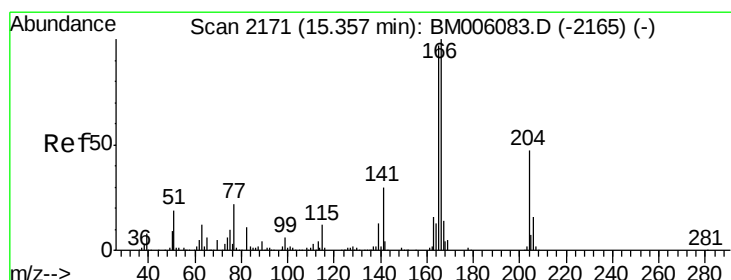
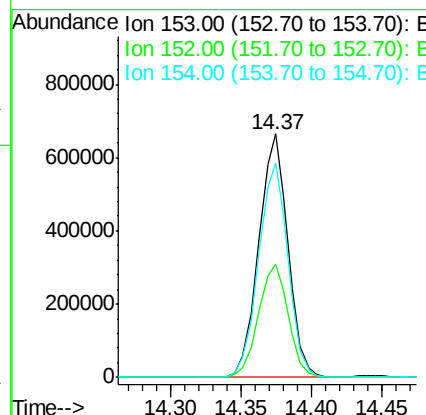
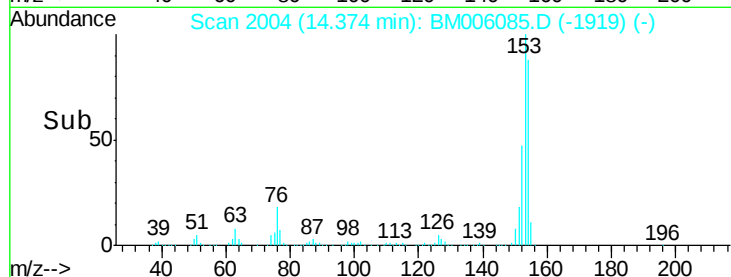
D9YD4MS



Tgt Ion	Ratio	Lower	Upper
153	100		
152	46.7	38.1	57.1
154	88.1	71.6	107.4

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#22

Fluorene

Concen: 1.03 ng/ul

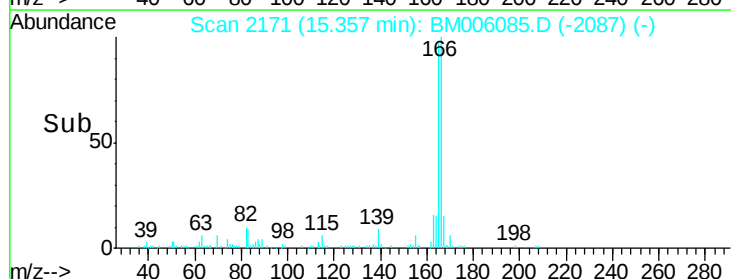
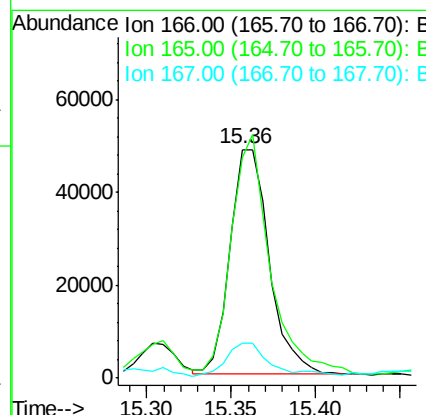
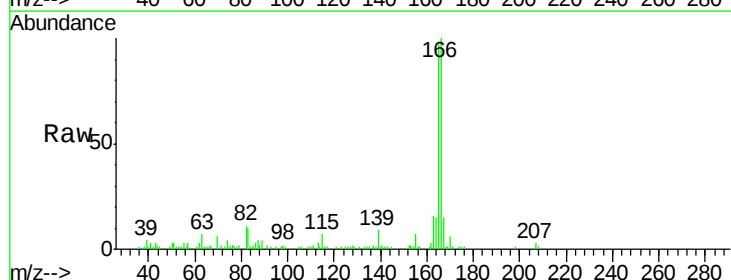
RT: 15.36 min Scan# 2171

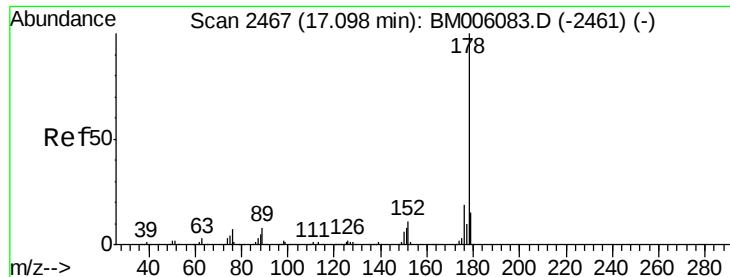
Delta R.T. -0.01 min

Lab File: BM006085.D

Acq: 28 Jun 2016 00:21

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.7	78.4	117.6
167	15.3	10.6	16.0





#25

Phenanthrene

Concen: 16.28 ng/ul

RT: 17.10 min Scan# 2467

Delta R.T. -0.01 min

Lab File: BM006085.D

Acq: 28 Jun 2016 00:21

Instrument :

BNA_M

ClientSampleId :

D9YD4MS

Tgt Ion:178 Resp: 1901708

Ion Ratio Lower Upper

178 100

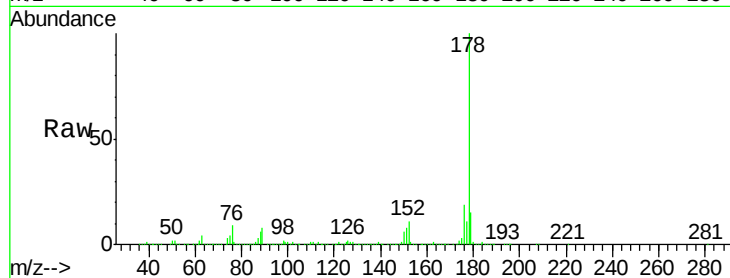
179 15.3 12.2 18.2

176 19.1 15.3 22.9

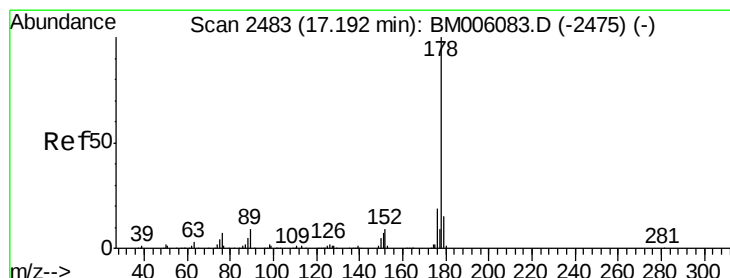
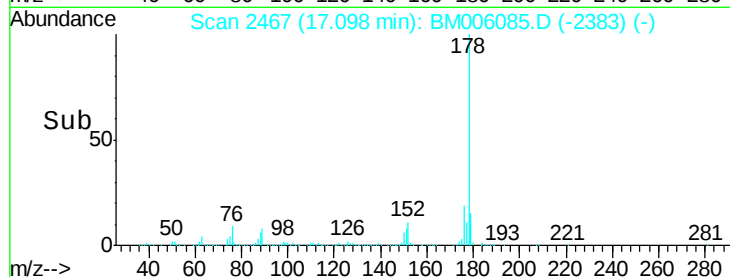
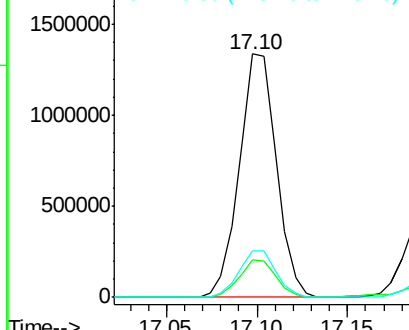
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#27

Anthracene

Concen: 4.94 ng/ul

RT: 17.19 min Scan# 2483

Delta R.T. 0.00 min

Lab File: BM006085.D

Acq: 28 Jun 2016 00:21

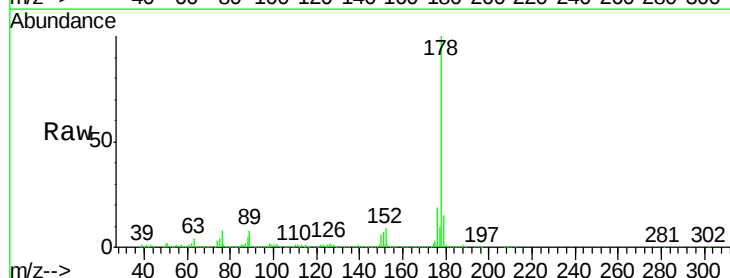
Tgt Ion:178 Resp: 596091

Ion Ratio Lower Upper

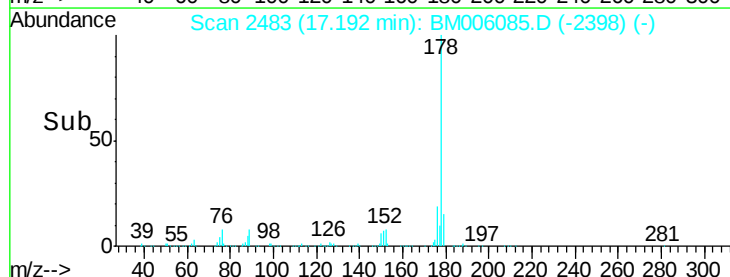
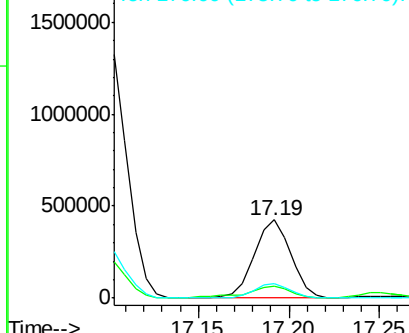
178 100

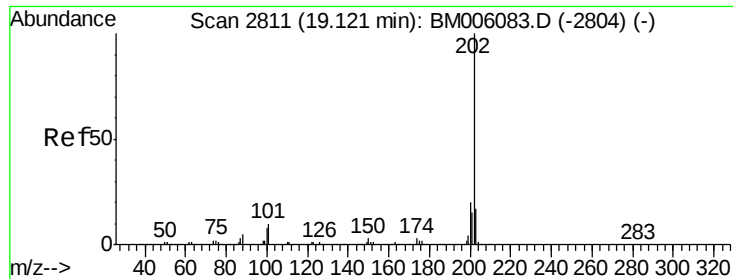
179 15.2 12.3 18.5

176 18.6 14.6 22.0



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





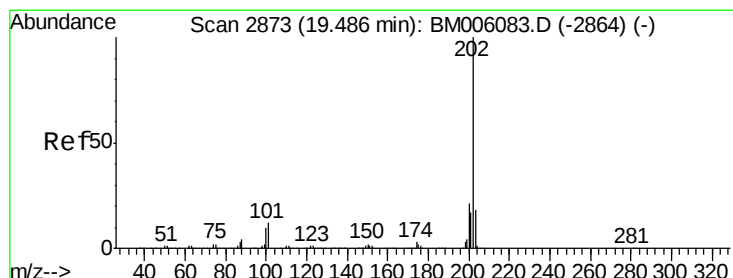
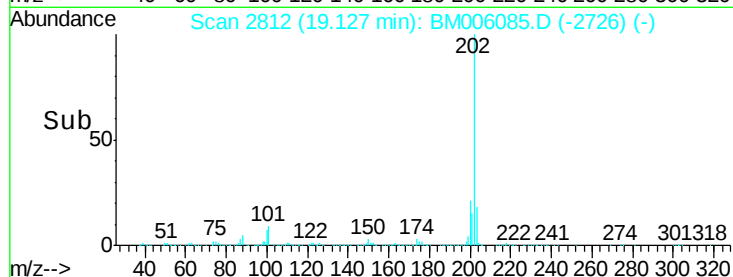
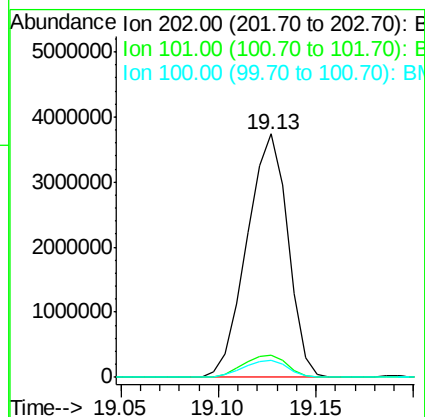
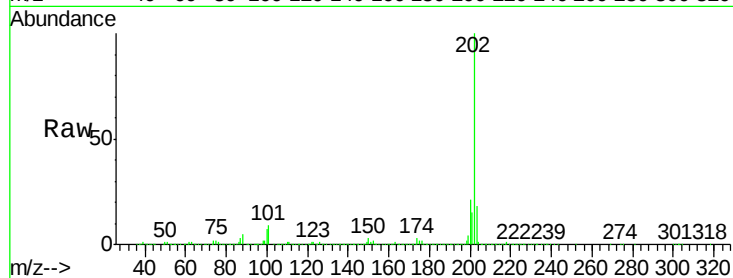
#28
 Fluoranthene
 Concen: 36.36 ng/ul
 RT: 19.13 min Scan# 2812
 Delta R.T. 0.01 min
 Lab File: BM006085.D
 Acq: 28 Jun 2016 00:21

Instrument :
 BNA_M
 ClientSampleId :
 D9YD4MS

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.3	8.5	12.7
100	6.9	6.5	9.7

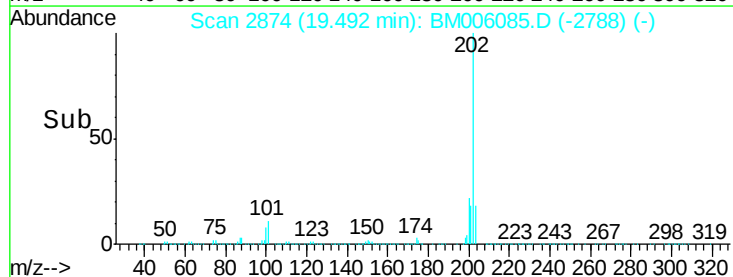
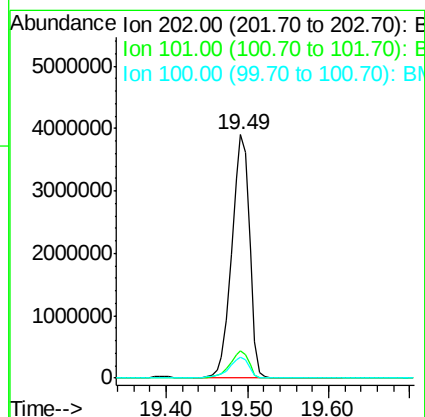
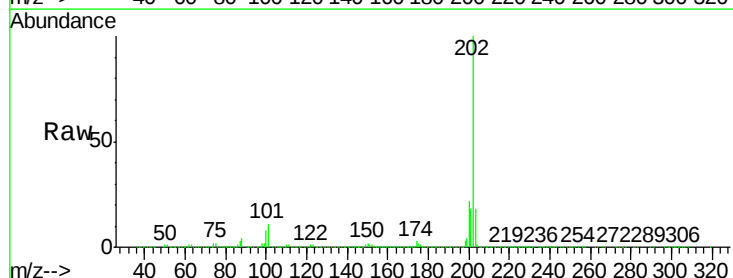
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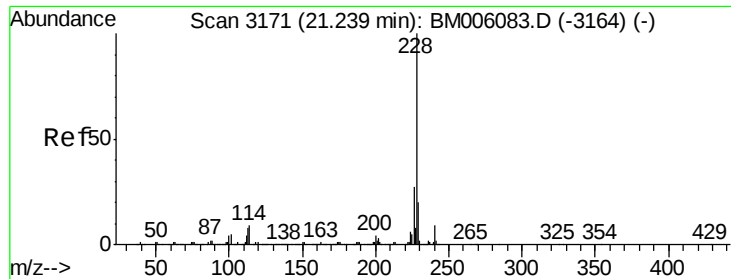
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#31
 Pyrene
 Concen: 60.67 ng/ul m
 RT: 19.49 min Scan# 2874
 Delta R.T. 0.01 min
 Lab File: BM006085.D
 Acq: 28 Jun 2016 00:21

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.0	11.0	16.4
100	8.4	8.9	13.3#





#32

Benzo(a)anthracene

Concen: 26.60 ng/ul

RT: 21.24 min Scan# 3171

Delta R.T. 0.00 min

Lab File: BM006085.D

Acq: 28 Jun 2016 00:21

Instrument :

BNA_M

ClientSampleId :

D9YD4MS

Tgt Ion:228 Resp: 2738681

Ion Ratio Lower Upper

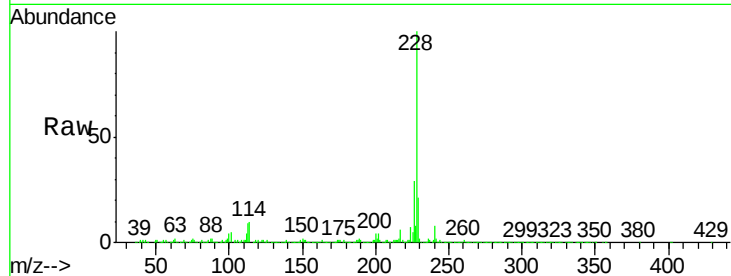
228 100

229 20.9 15.6 23.4

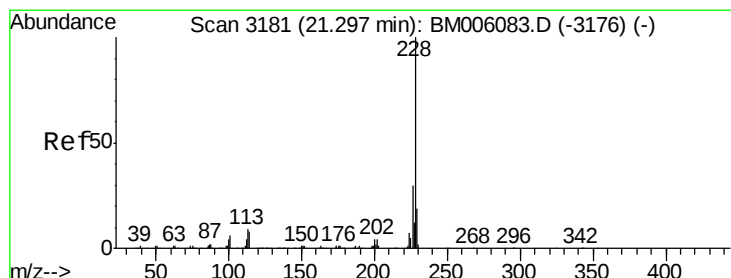
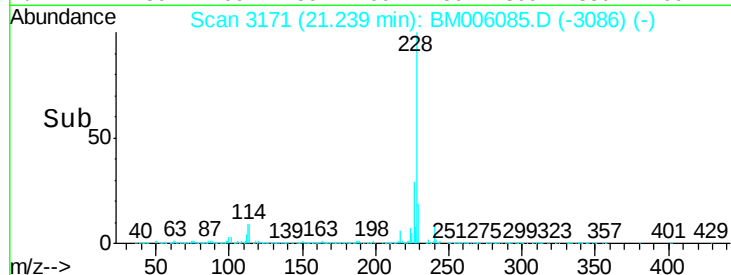
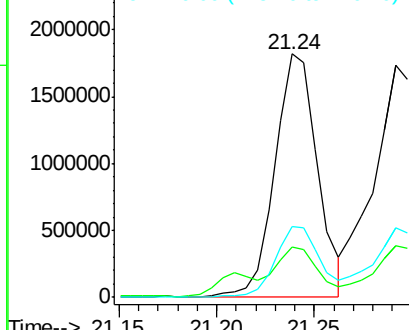
226 29.0 21.6 32.4

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Abundance Ion 228.00 (227.70 to 228.70): E
2500000
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#33

Chrysene

Concen: 28.99 ng/ul

RT: 21.29 min Scan# 3180

Delta R.T. 0.00 min

Lab File: BM006085.D

Acq: 28 Jun 2016 00:21

Tgt Ion:228 Resp: 2726079

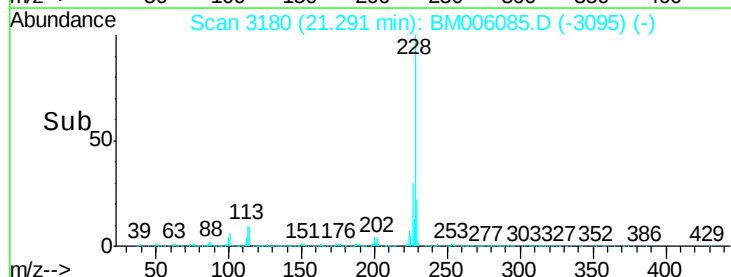
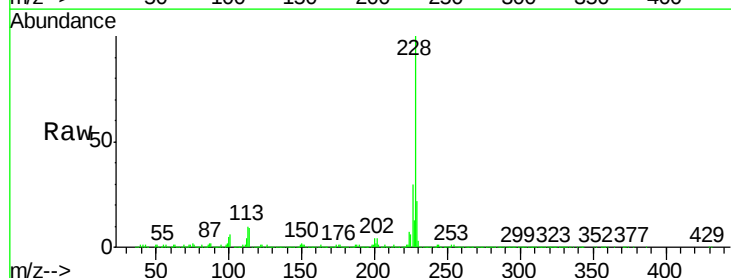
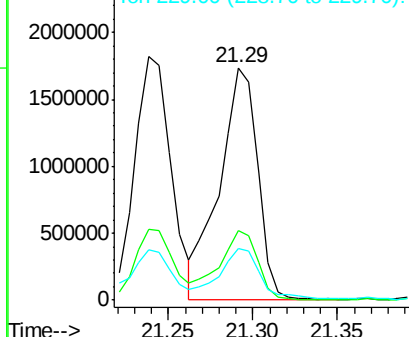
Ion Ratio Lower Upper

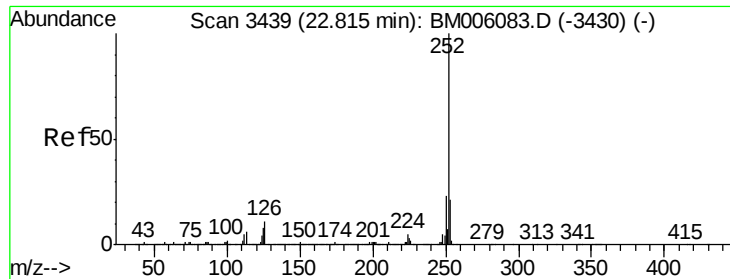
228 100

226 29.9 23.8 35.6

229 22.3 15.8 23.6

Abundance Ion 228.00 (227.70 to 228.70): E
2500000
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





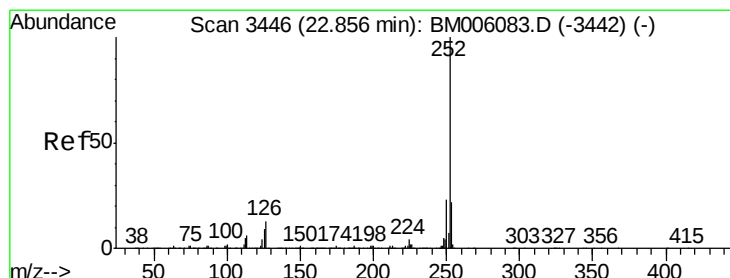
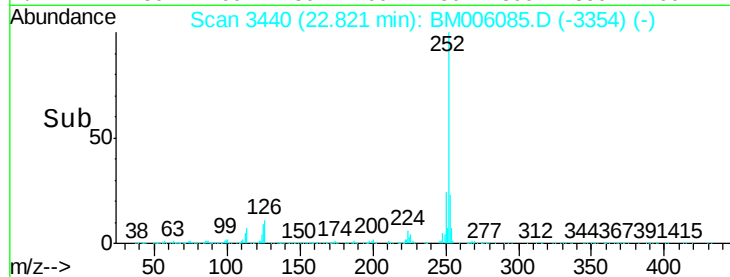
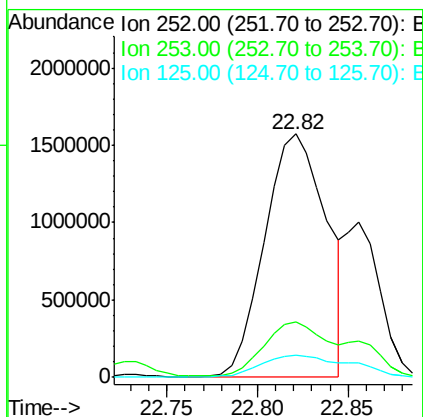
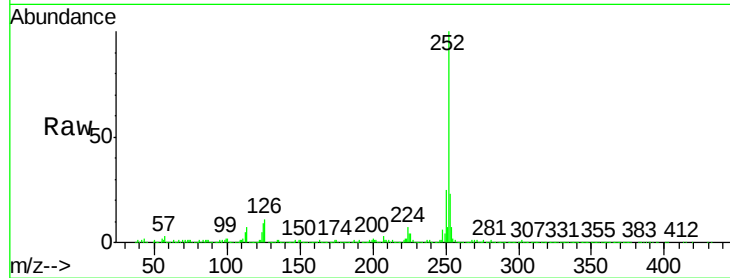
#35
Benzo(b)fluoranthene
Concen: 39.13 ng/ul
RT: 22.82 min Scan# 3440
Delta R.T. 0.01 min
Lab File: BM006085.D
Acq: 28 Jun 2016 00:21

Instrument :
BNA_M
ClientSampleId :
D9YD4MS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.2	25.8
125	9.1	7.8	11.6

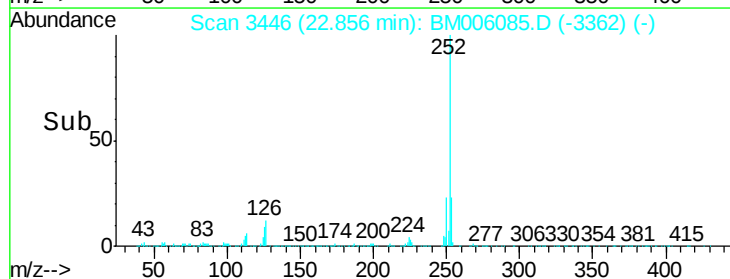
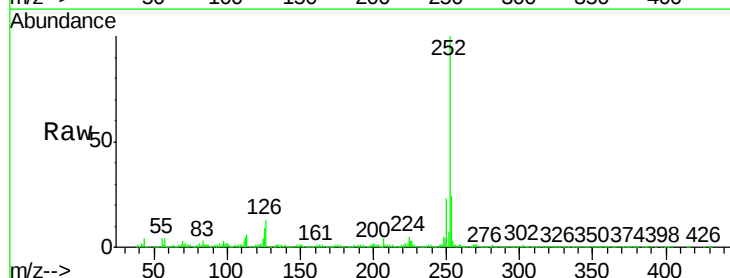
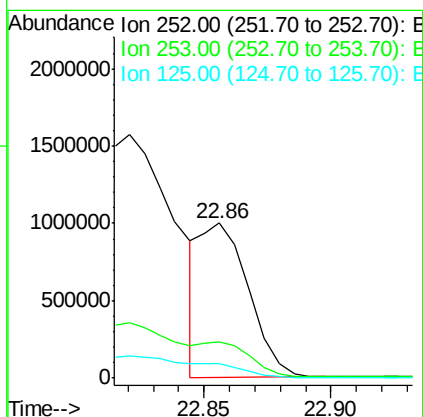
Manual Integrations
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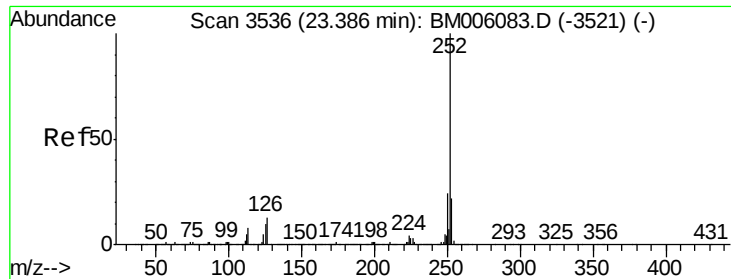
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#36
Benzo(k)fluoranthene
Concen: 14.79 ng/ul m
RT: 22.86 min Scan# 3446
Delta R.T. -0.01 min
Lab File: BM006085.D
Acq: 28 Jun 2016 00:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.6	26.4
125	9.3	8.1	12.1





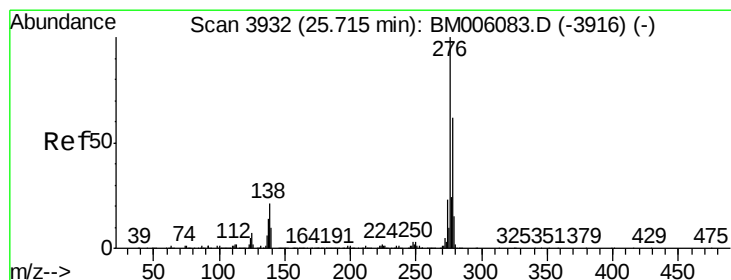
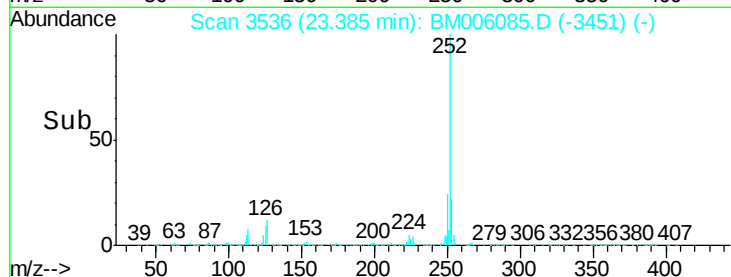
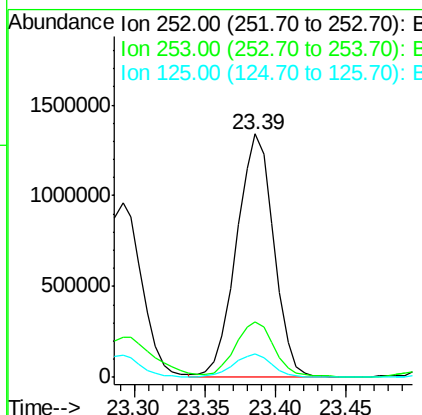
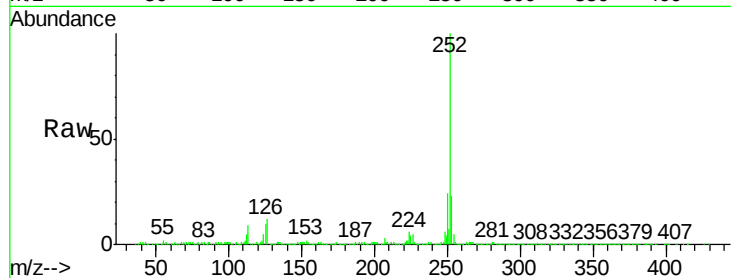
#38
Benzo(a)pyrene
Concen: 26.79 ng/ul
RT: 23.39 min Scan# 3536
Delta R.T. 0.00 min
Lab File: BM006085.D
Acq: 28 Jun 2016 00:21

Instrument :
BNA_M
ClientSampleId :
D9YD4MS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	9.6	8.7	13.1

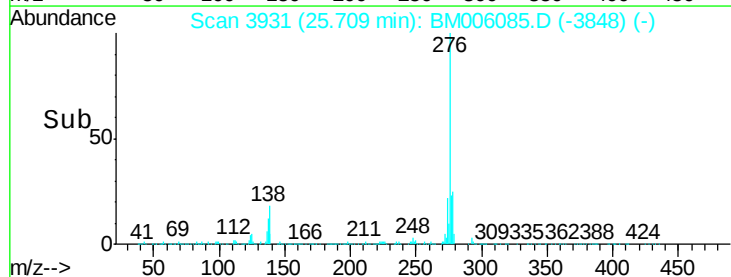
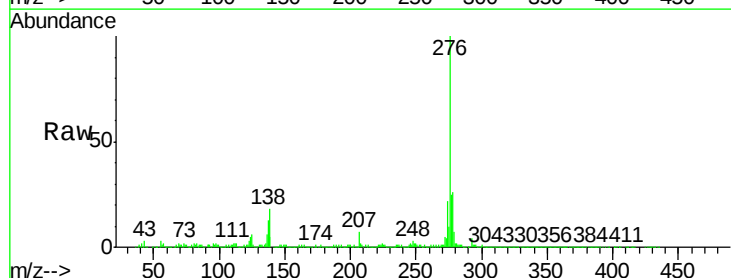
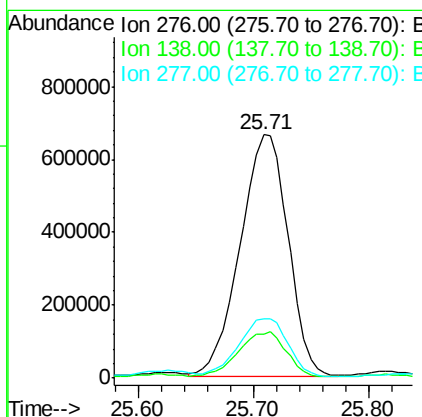
Manual Integrations
APPROVED

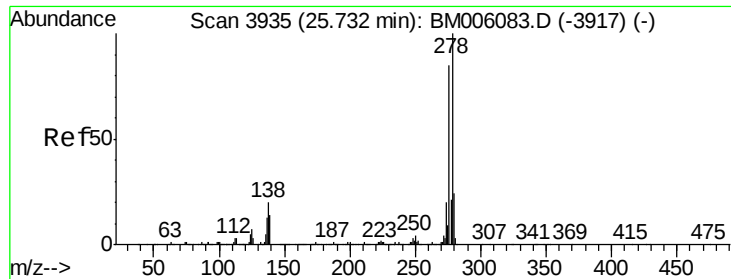
umangi
6/28/2016 2:34:43 PM



#39
Indeno(1,2,3-cd)pyrene
Concen: 17.68 ng/ul
RT: 25.71 min Scan# 3931
Delta R.T. -0.01 min
Lab File: BM006085.D
Acq: 28 Jun 2016 00:21

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.2	20.4	30.6#
277	24.5	20.6	30.8





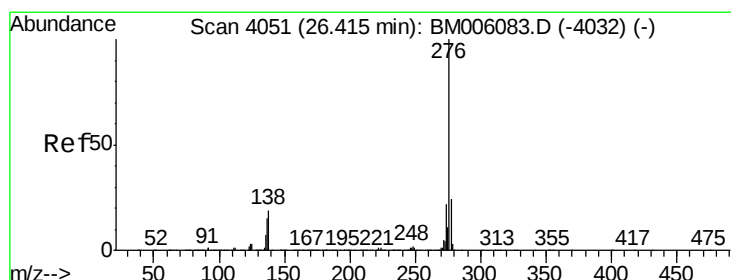
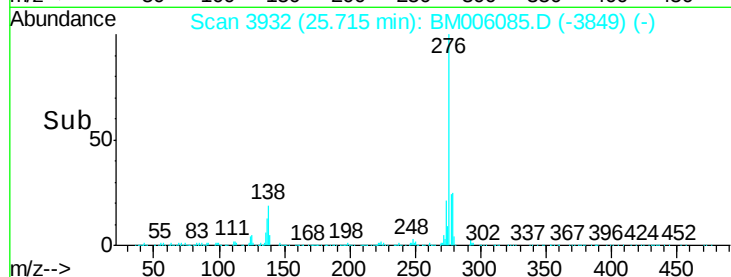
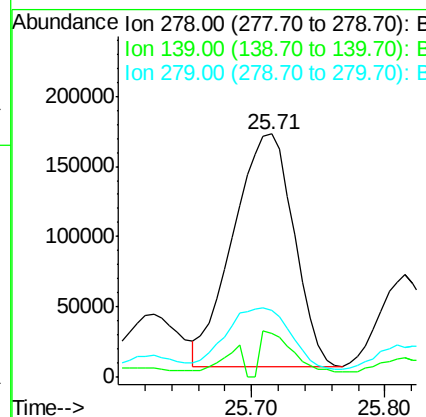
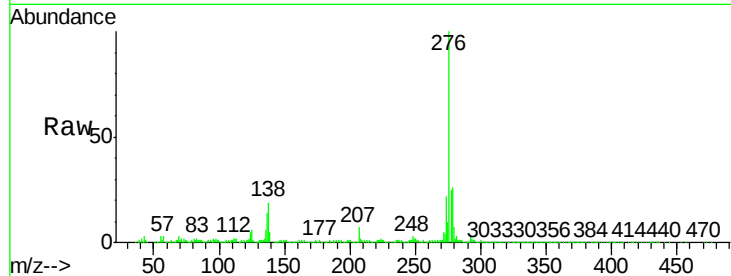
#40
Dibenzo(a,h)anthracene
Concen: 5.79 ng/ul
RT: 25.71 min Scan# 3932
Delta R.T. -0.01 min
Lab File: BM006085.D
Acq: 28 Jun 2016 00:21

Instrument :
BNA_M
ClientSampleId :
D9YD4MS

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.8	13.0	19.4
279	27.7	18.8	28.2

Manual Integrations
APPROVED

umangi
6/28/2016 2:34:43 PM



#41
Benzo(g,h,i)perylene
Concen: 17.01 ng/ul
RT: 26.39 min Scan# 4047
Delta R.T. -0.01 min
Lab File: BM006085.D
Acq: 28 Jun 2016 00:21

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.7	16.6	25.0
277	24.7	18.9	28.3

