

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061516\
 Data File : BM005804.D
 Acq On : 15 Jun 2016 02:55
 Operator : UM/SJ
 Sample : H3565-12MS
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 D9Y04MS

Manual Integrations
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Quant Time: Jun 15 06:00:48 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 15 01:42:36 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	127920	20.00	ng/ul	0.00
7) Naphthalene-d8	10.53	136	578391	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.39	164	317210	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.13	188	683384	20.00	ng/ul	0.00
29) Chrysene-d12	21.32	240	715257	20.00	ng/ul	0.00
34) Perylene-d12	23.57	264	765420	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.19	96	4210	1.52	ng/uL	0.00
3) Phenol-d5	6.92	99	145391	13.84	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.07	67	110027	17.59	ng/ul	0.00
5) 2-Chlorophenol-d4	7.27	132	141526	16.17	ng/ul	0.00
6) 4-Methylphenol-d8	8.46	113	85886	9.67	ng/ul	0.00
8) Nitrobenzene-d5	8.90	128	70475	17.21	ng/ul	0.00
9) 2-Nitrophenol-d4	9.62	143	78430	17.23	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.17	165	133412	15.32	ng/ul	0.00
12) 4-Chloroaniline-d4	10.67	131	112438	11.75	ng/ul	0.00
16) Dimethylphthalate-d6	13.79	166	432638	17.18	ng/ul	0.00
17) Acenaphthylene-d8	14.08	160	566151	17.70	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	35357m	12.21	ng/ul	0.00
21) Fluorene-d10	15.38	176	385602	18.39	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.53	200	36998	12.10	ng/ul	0.00
26) Anthracene-d10	17.23	188	576206	18.18	ng/ul	0.00
30) Pyrene-d10	19.53	212	620499	17.83	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.43	264	614780	17.39	ng/ul	0.00

Target Compounds

					Qvalue
11) Naphthalene	10.58	128	30601	1.06 ng/ul	98
13) 2-Methylnaphthalene	12.20	142	27044	1.30 ng/ul	99
14) 1-Methylnaphthalene	12.42	142	24621m	1.18 ng/ul	
18) Acenaphthylene	14.11	152	37034	1.15 ng/ul	96
19) Acenaphthene	14.45	153	337087	15.96 ng/ul	100
25) Phenanthrene	17.17	178	188433	5.03 ng/ul	99
27) Anthracene	17.26	178	39557	1.07 ng/ul	99
28) Fluoranthene	19.19	202	424380	10.64 ng/ul	100
31) Pyrene	19.56	202	1034667	23.55 ng/ul	97
32) Benzo(a)anthracene	21.30	228	205718	4.97 ng/ul	96
33) Chrysene	21.35	228	225435	5.56 ng/ul	98
35) Benzo(b)fluoranthene	22.89	252	351747	7.69 ng/ul	98
36) Benzo(k)fluoranthene	22.93	252	116269m	2.75 ng/ul	
38) Benzo(a)pyrene	23.47	252	218937	5.01 ng/ul	100
39) Indeno(1,2,3-cd)pyrene	25.85	276	170769	3.41 ng/ul	95
40) Dibenzo(a,h)anthracene	25.85	278	45201	1.08 ng/ul#	79
41) Benzo(g,h,i)perylene	26.56	276	149366	3.44 ng/ul	99

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

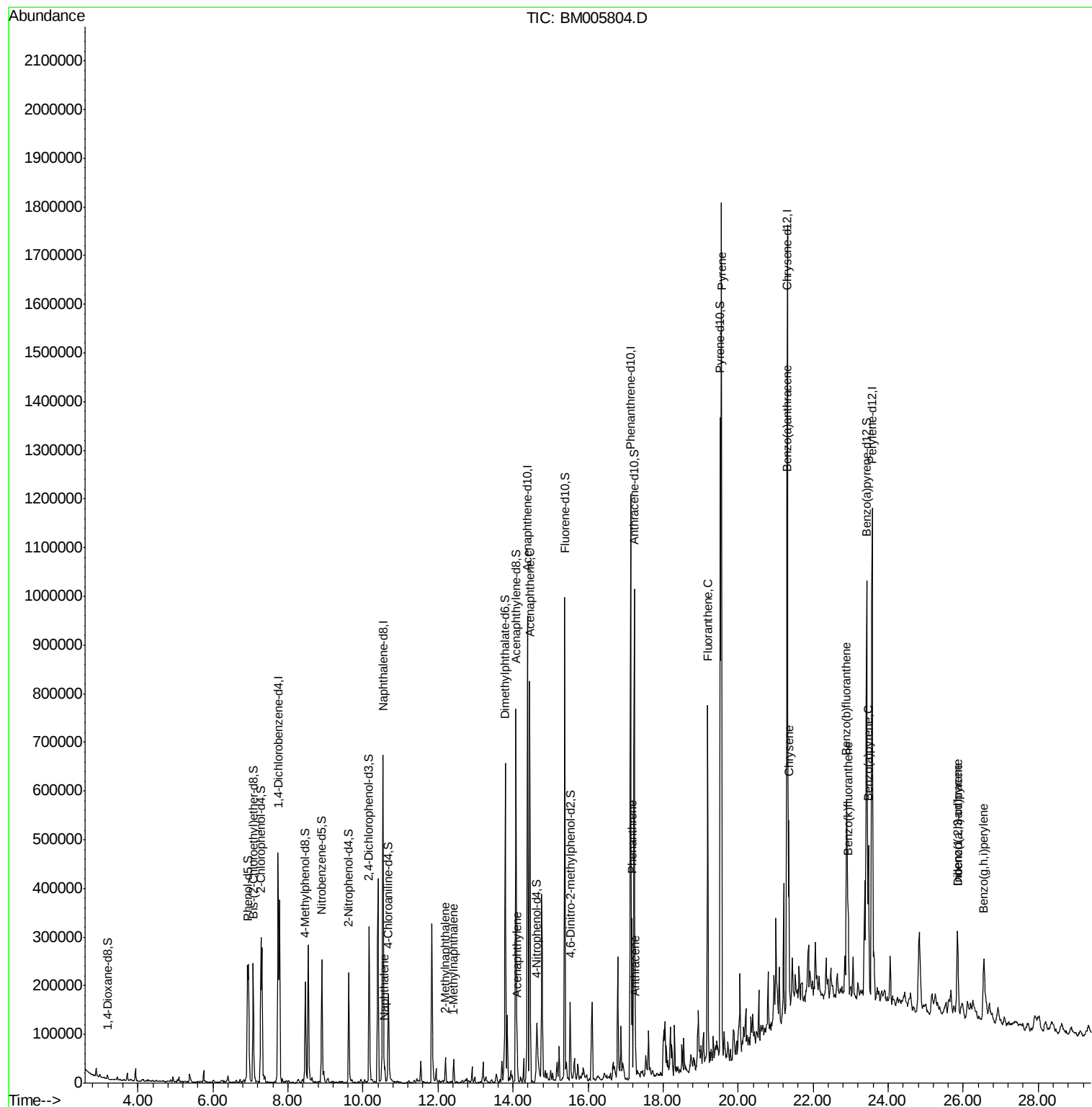
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061516\
Data File : BM005804.D
Acq On : 15 Jun 2016 02:55
Operator : UM/SJ
Sample : H3565-12MS
Misc :
ALS Vial : 23 Sample Multiplier: 1

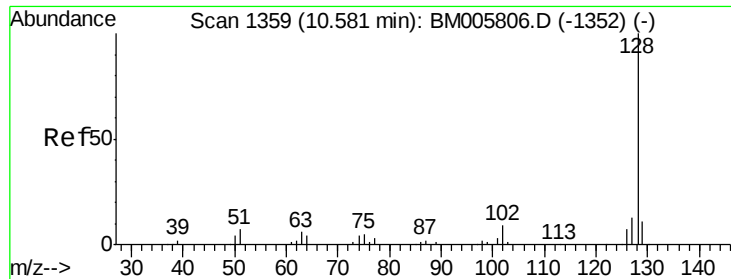
Instrument :
BNA_M
ClientSampleId :
D9Y04MS

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Quant Time: Jun 15 06:00:48 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061516.M
Quant Title : SVOA CALIBRATION
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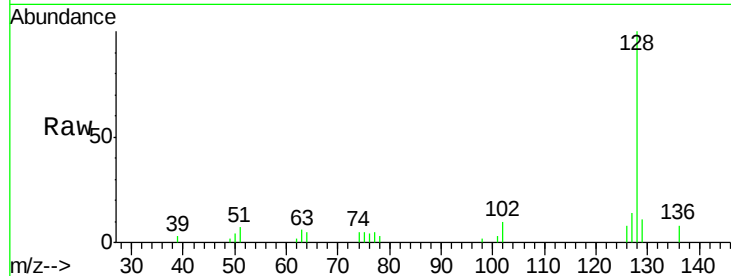
#11
Naphthalene
Concen: 1.06 ng/ul
RT: 10.58 min Scan# 1359
Delta R.T. -0.00 min
Lab File: BM005804.D
Acq: 15 Jun 2016 02:55

Instrument :
BNA_M
ClientSampleId :
D9Y04MS

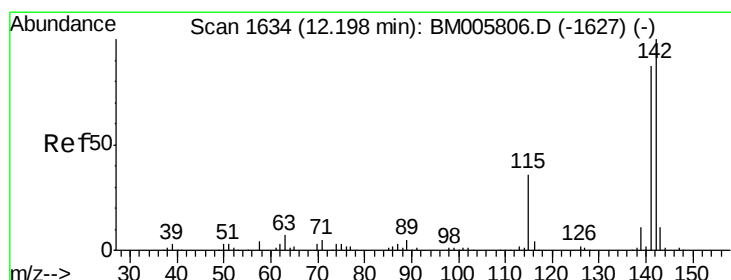
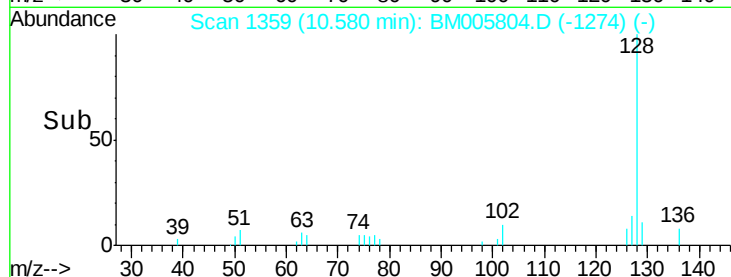
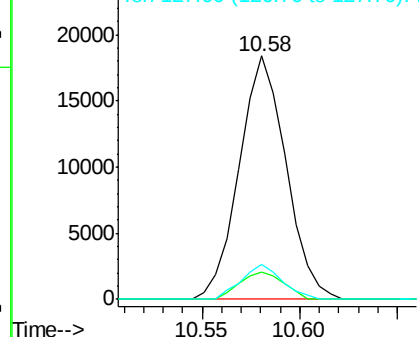
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	14.2	10.5	15.7

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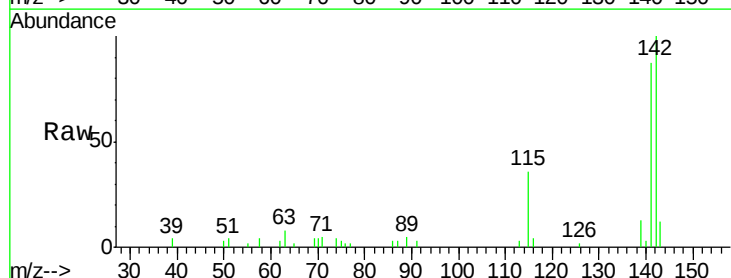


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

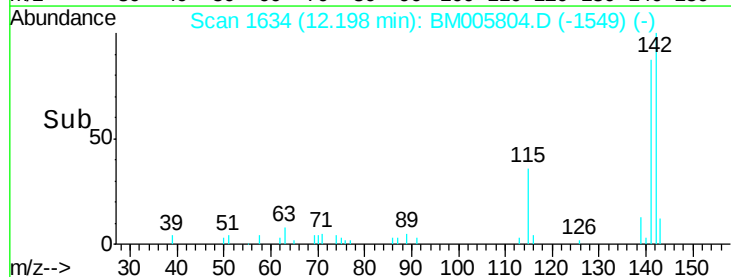
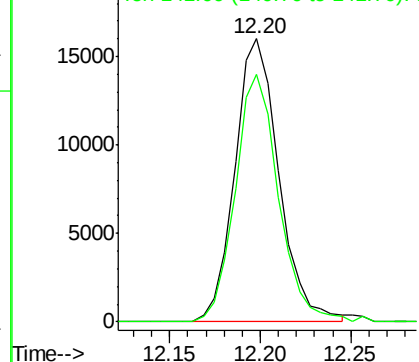


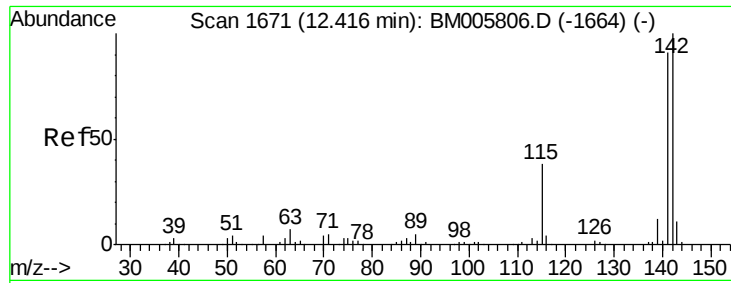
#13
2-Methylnaphthalene
Concen: 1.30 ng/ul
RT: 12.20 min Scan# 1634
Delta R.T. -0.00 min
Lab File: BM005804.D
Acq: 15 Jun 2016 02:55

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.5	69.0	103.6



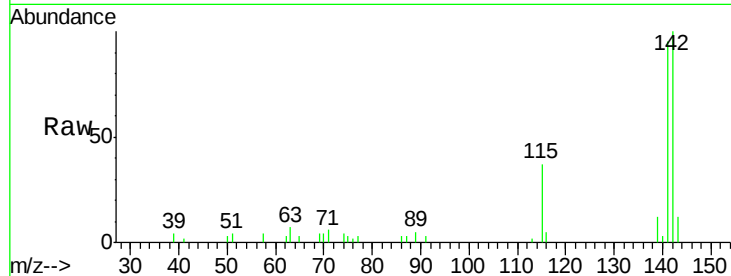
Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#14
1-Methylnaphthalene
Concen: 1.18 ng/ul m
RT: 12.42 min Scan# 1671
Delta R.T. -0.00 min
Lab File: BM005804.D
Acq: 15 Jun 2016 02:55

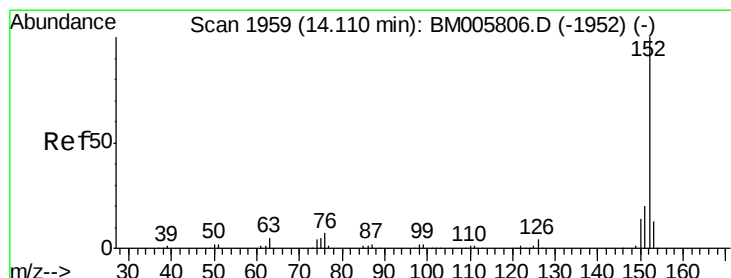
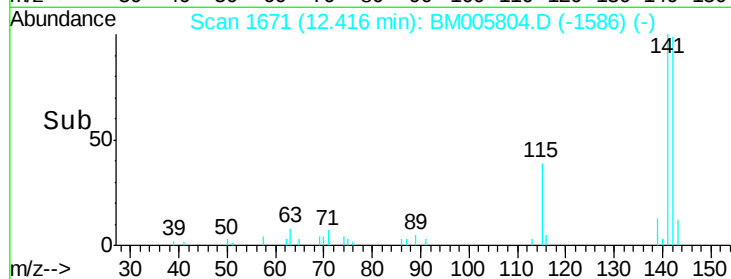
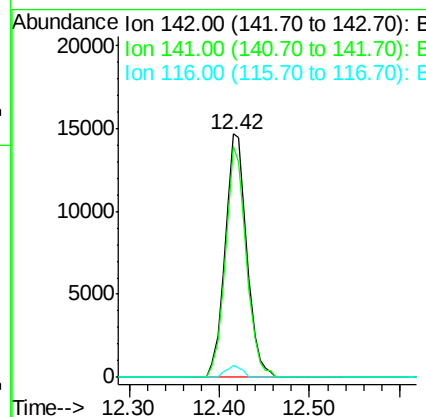
Instrument :
BNA_M
ClientSampleId :
D9Y04MS



Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.6	73.0	109.4
116	4.8	3.0	4.6#

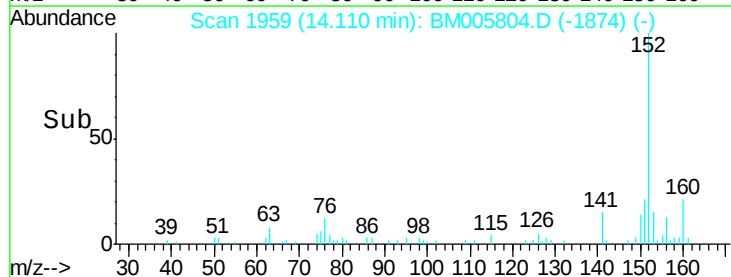
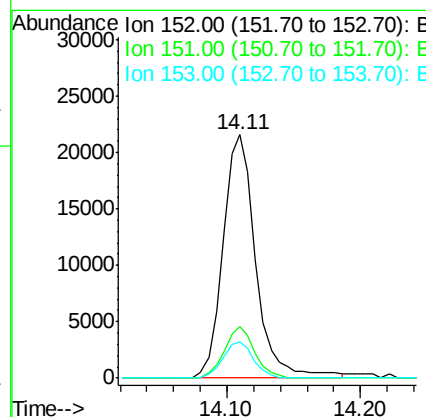
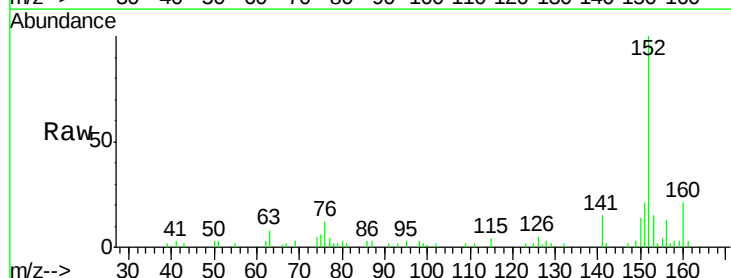
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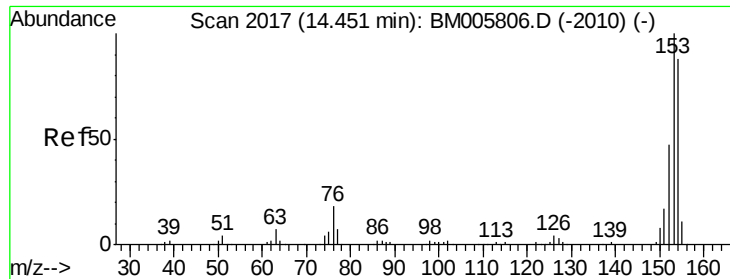
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#18
Acenaphthylene
Concen: 1.15 ng/ul
RT: 14.11 min Scan# 1959
Delta R.T. -0.00 min
Lab File: BM005804.D
Acq: 15 Jun 2016 02:55

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.2	15.8	23.6
153	15.1	10.3	15.5





#19

Acenaphthene

Concen: 15.96 ng/ul

RT: 14.45 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BM005804.D

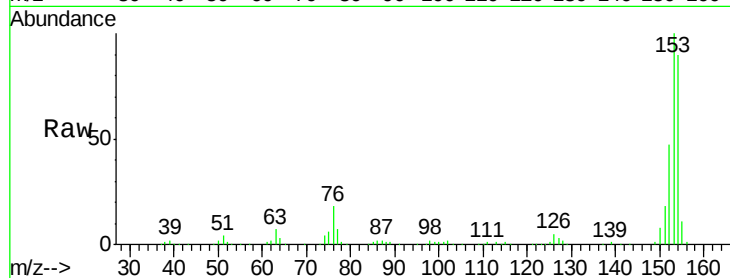
Acq: 15 Jun 2016 02:55

Instrument :

BNA_M

ClientSampleId :

D9Y04MS



Tgt Ion:153 Resp: 337087

Ion Ratio Lower Upper

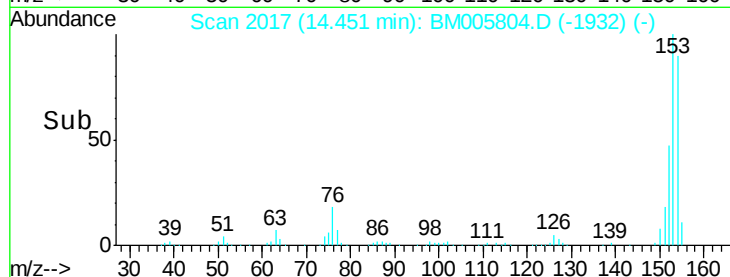
153 100

152 47.2 38.1 57.1

154 89.8 71.6 107.4

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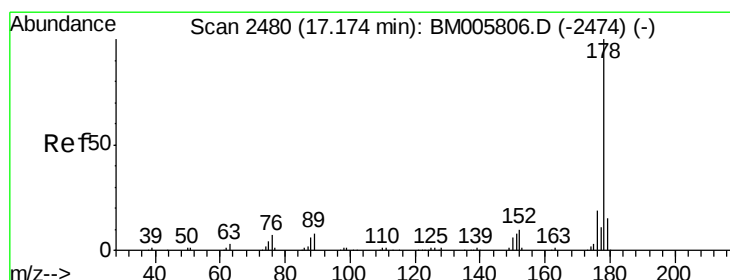
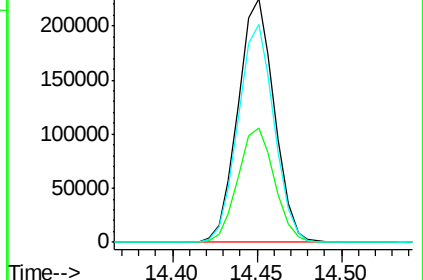
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#25

Phenanthrene

Concen: 5.03 ng/ul

RT: 17.17 min Scan# 2480

Delta R.T. -0.00 min

Lab File: BM005804.D

Acq: 15 Jun 2016 02:55

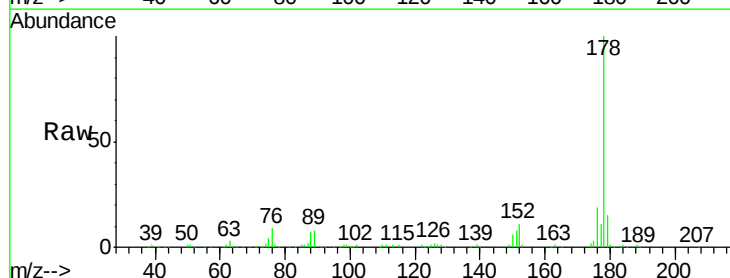
Tgt Ion:178 Resp: 188433

Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.2

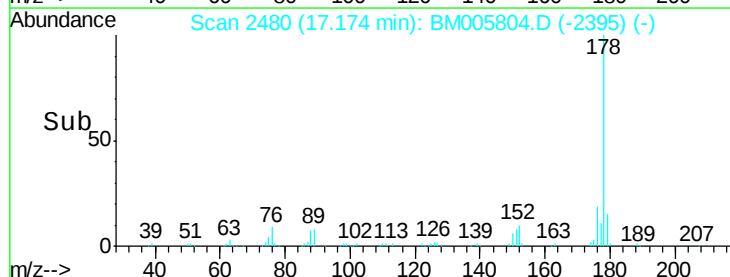
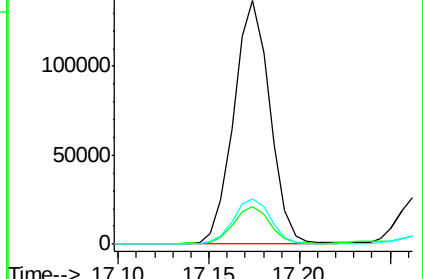
176 18.6 15.3 22.9

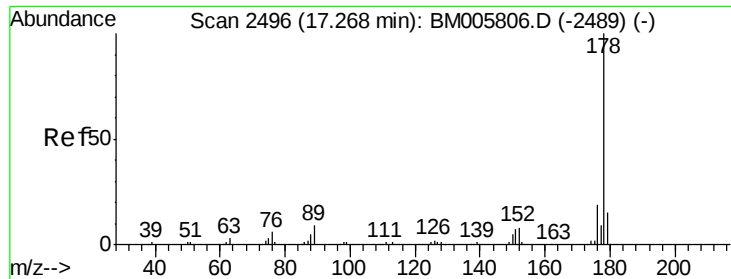


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





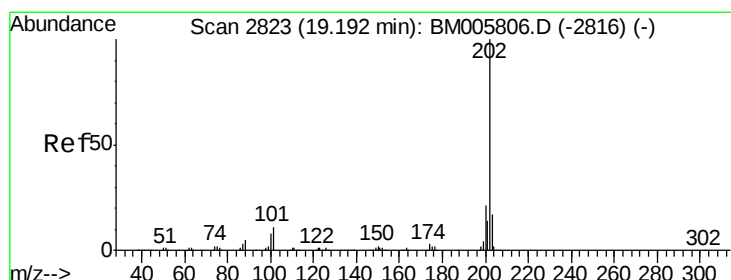
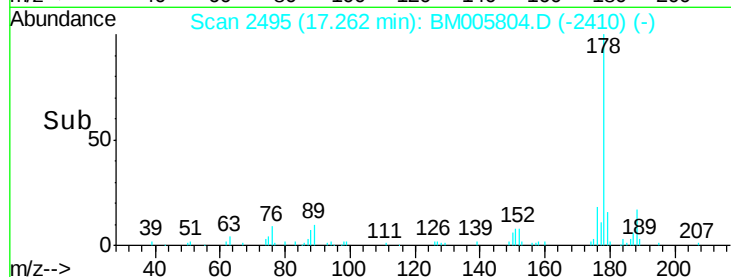
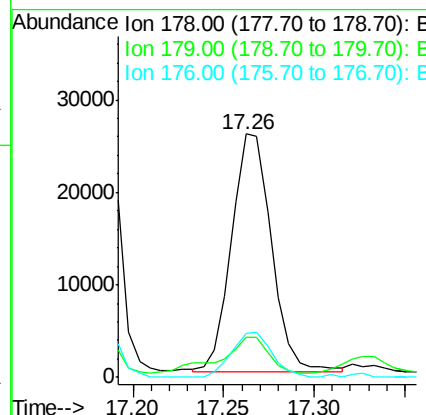
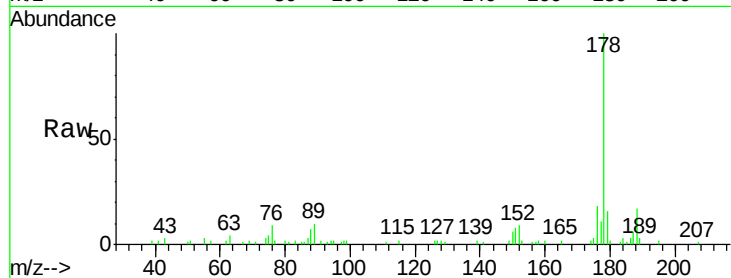
#27
 Anthracene
 Concen: 1.07 ng/ul
 RT: 17.26 min Scan# 2495
 Delta R.T. -0.00 min
 Lab File: BM005804.D
 Acq: 15 Jun 2016 02:55

Instrument :
 BNA_M
 ClientSampleId :
 D9Y04MS

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	39557		
179	16.3	12.3	18.5	
176	18.3	14.6	22.0	

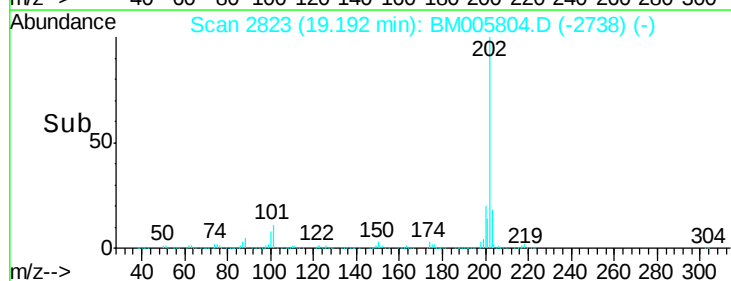
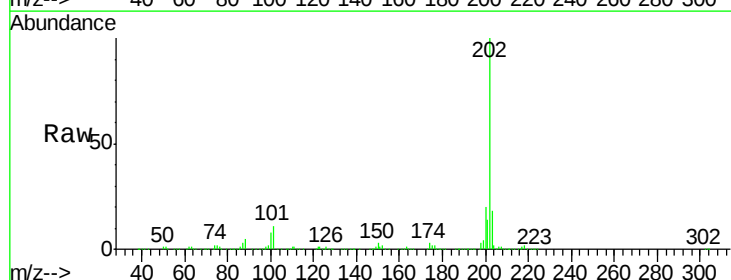
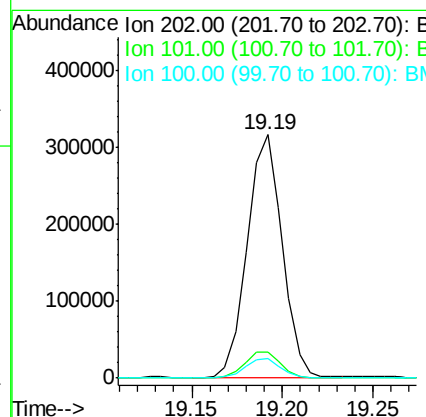
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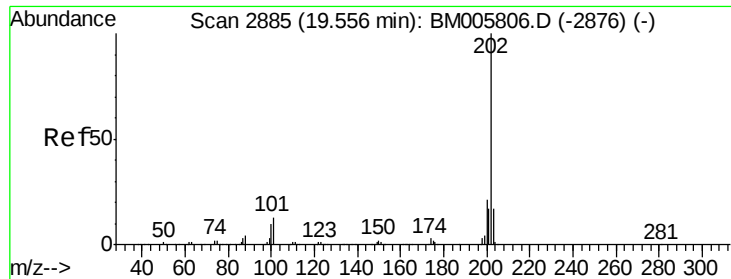
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#28
 Fluoranthene
 Concen: 10.64 ng/ul
 RT: 19.19 min Scan# 2823
 Delta R.T. -0.00 min
 Lab File: BM005804.D
 Acq: 15 Jun 2016 02:55

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	424380		
101	10.8	8.5	12.7	
100	8.1	6.5	9.7	





#31

Pyrene

Concen: 23.55 ng/ul

RT: 19.56 min Scan# 2885

Delta R.T. -0.00 min

Lab File: BM005804.D

Acq: 15 Jun 2016 02:55

Instrument :

BNA_M

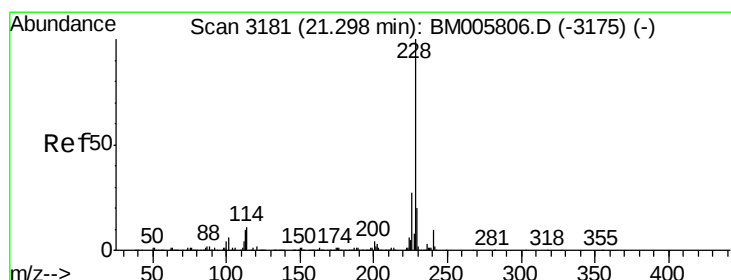
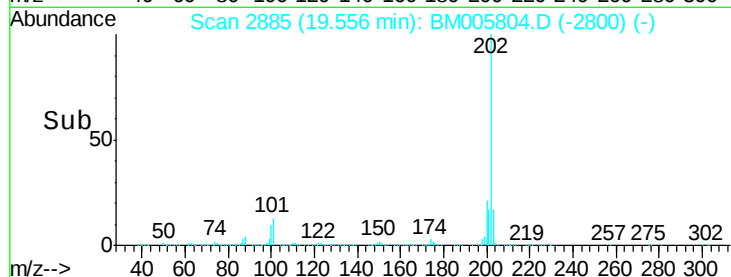
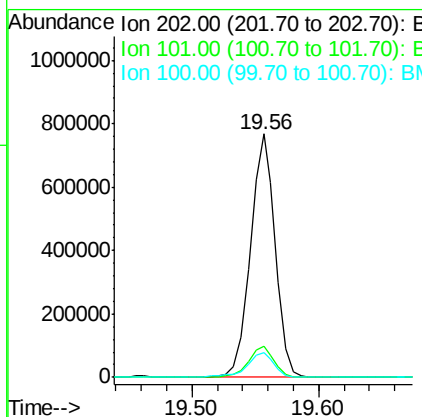
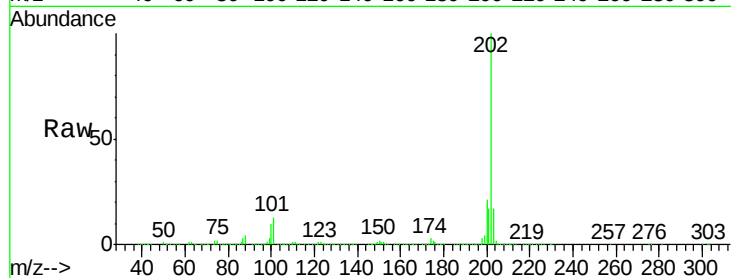
ClientSampleId :

D9Y04MS

Tgt Ion:	202	Resp:	1034667
Ion	Ratio	Lower	Upper
202	100		
101	12.7	11.0	16.4
100	9.9	8.9	13.3

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#32

Benzo(a)anthracene

Concen: 4.97 ng/ul

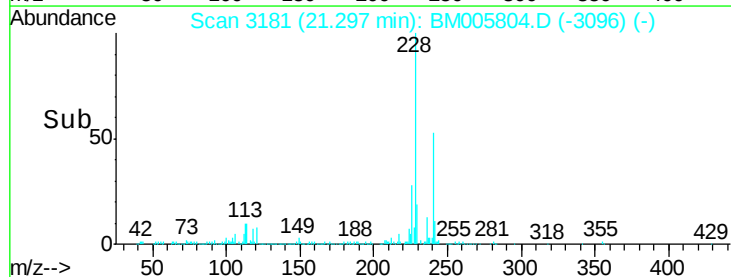
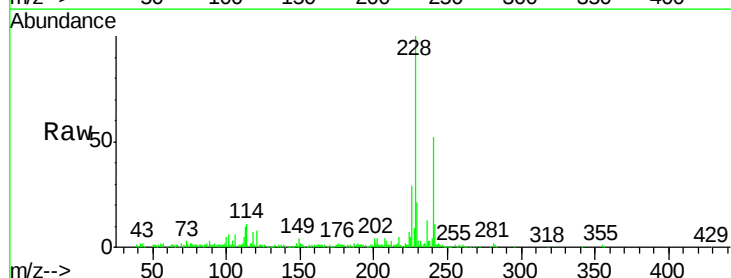
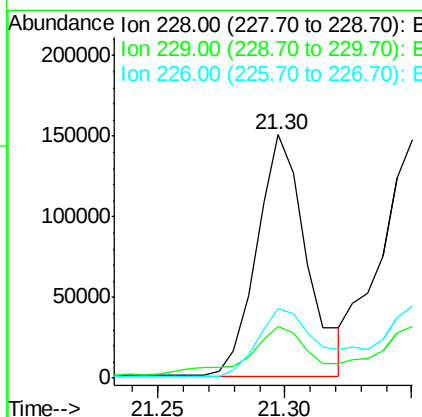
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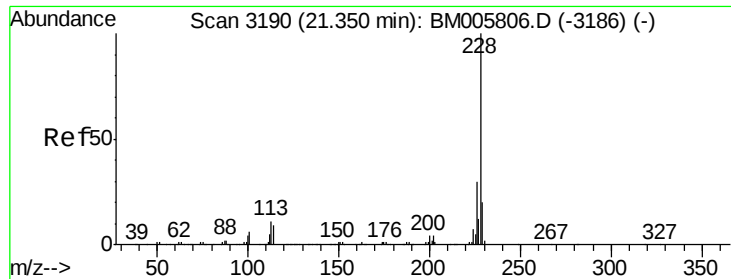
Delta R.T. -0.00 min

Lab File: BM005804.D

Acq: 15 Jun 2016 02:55

Tgt Ion:	228	Resp:	205718
Ion	Ratio	Lower	Upper
228	100		
229	21.3	15.6	23.4
226	28.8	21.6	32.4





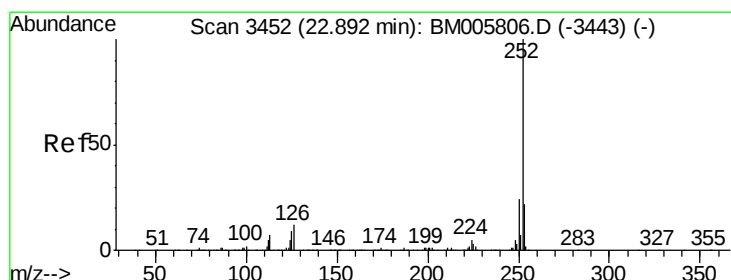
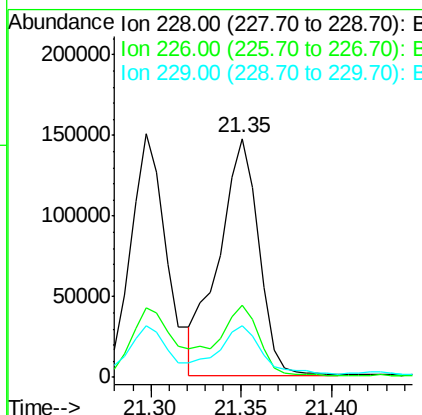
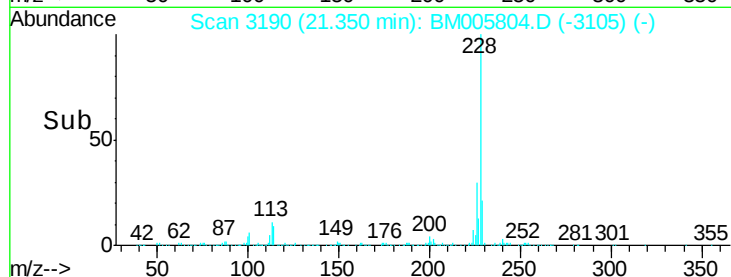
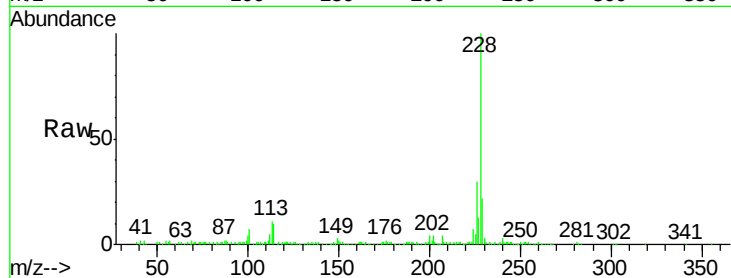
#33
Chrysene
Concen: 5.56 ng/ul
RT: 21.35 min Scan# 3190
Delta R.T. -0.00 min
Lab File: BM005804.D
Acq: 15 Jun 2016 02:55

Instrument :
BNA_M
ClientSampleId :
D9Y04MS

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	225435		
226	30.3		23.8	35.6
229	21.7		15.8	23.6

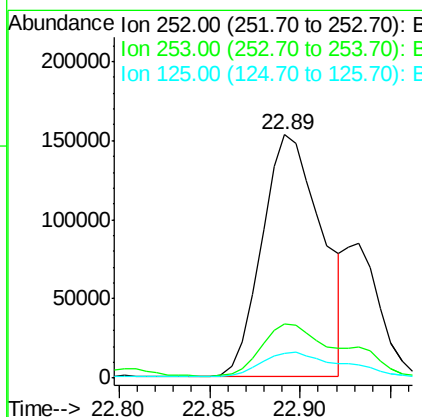
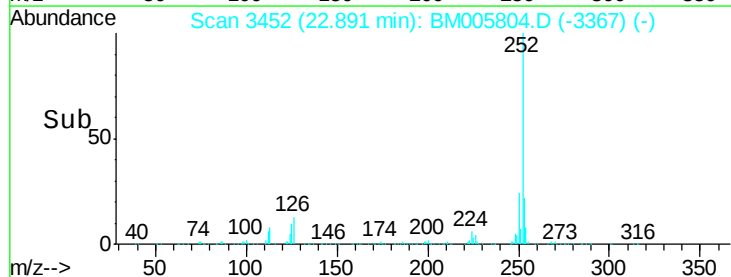
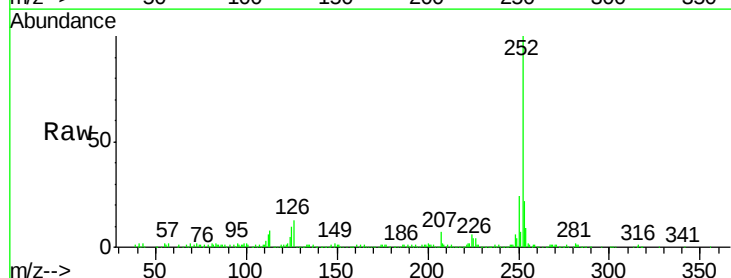
Manual Integrations
APPROVED

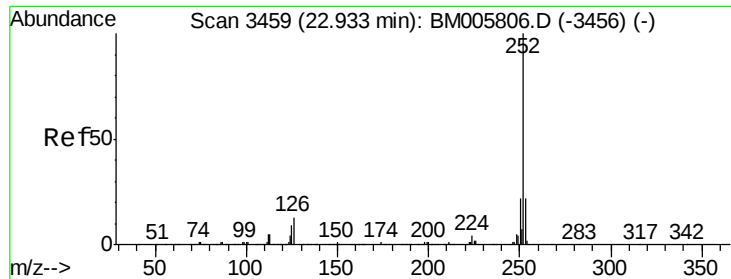
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#35
Benzo(b)fluoranthene
Concen: 7.69 ng/ul
RT: 22.89 min Scan# 3452
Delta R.T. -0.00 min
Lab File: BM005804.D
Acq: 15 Jun 2016 02:55

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	351747		
253	22.5		17.2	25.8
125	10.2		7.8	11.6





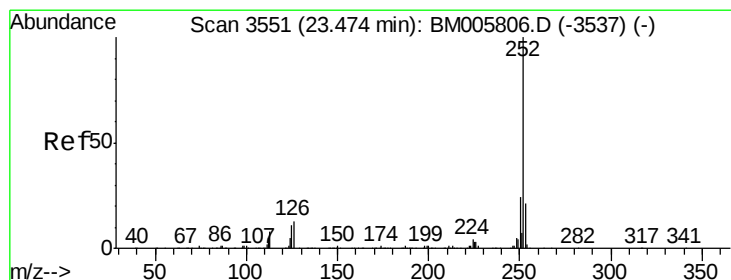
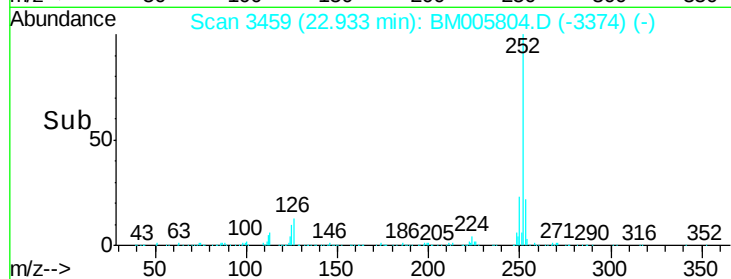
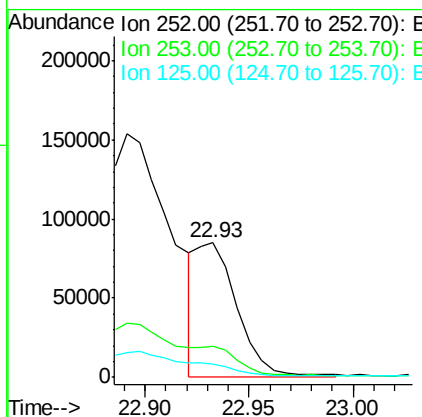
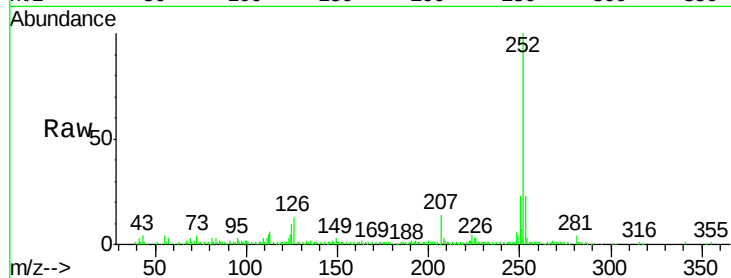
#36
Benzo(k)fluoranthene
Concen: 2.75 ng/ul m
RT: 22.93 min Scan# 3459
Delta R.T. -0.00 min
Lab File: BM005804.D
Acq: 15 Jun 2016 02:55

Instrument :
BNA_M
ClientSampleId :
D9Y04MS

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	116269		
253	22.9	17.6	26.4	
125	10.3	8.1	12.1	

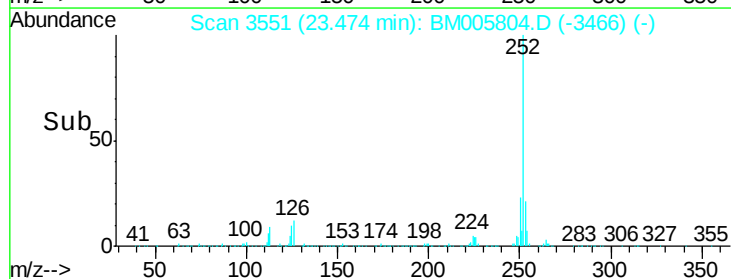
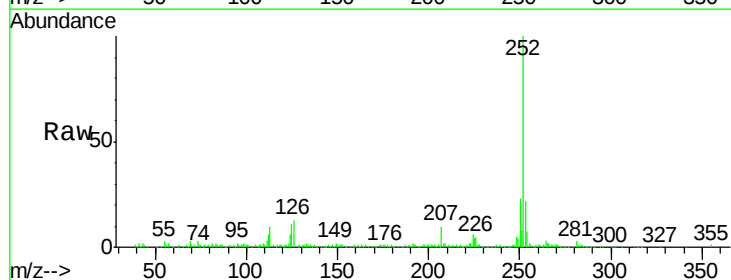
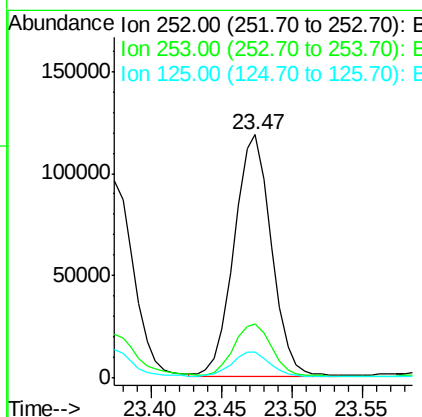
Manual Integrations
APPROVED

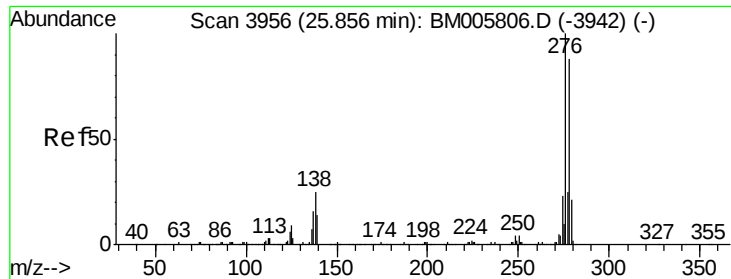
sohil
6/15/2016 6:35:22 PM



#38
Benzo(a)pyrene
Concen: 5.01 ng/ul
RT: 23.47 min Scan# 3551
Delta R.T. -0.00 min
Lab File: BM005804.D
Acq: 15 Jun 2016 02:55

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	218937		
253	22.1	17.8	26.6	
125	10.5	8.7	13.1	





#39

Indeno(1,2,3-cd)pyrene

Concen: 3.41 ng/uI

RT: 25.85 min Scan# 3955

Delta R.T. -0.01 min

Lab File: BM005804.D

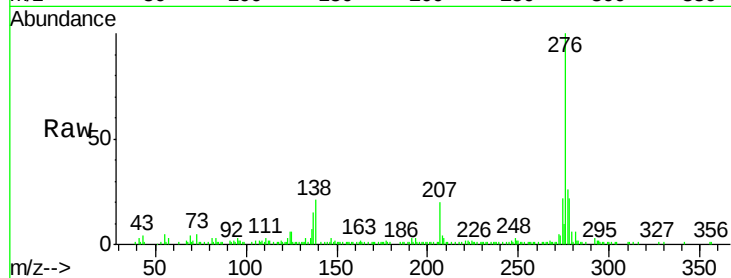
Acq: 15 Jun 2016 02:55

Instrument :

BNA_M

ClientSampleId :

D9Y04MS



Tgt Ion:276 Resp: 170769

Ion Ratio Lower Upper

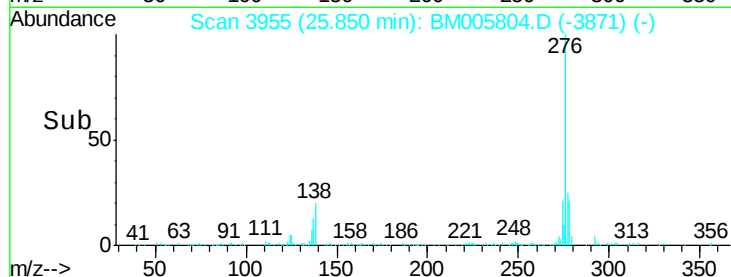
276 100

138 20.7 20.4 30.6

277 25.6 20.6 30.8

Manual Integrations
APPROVED

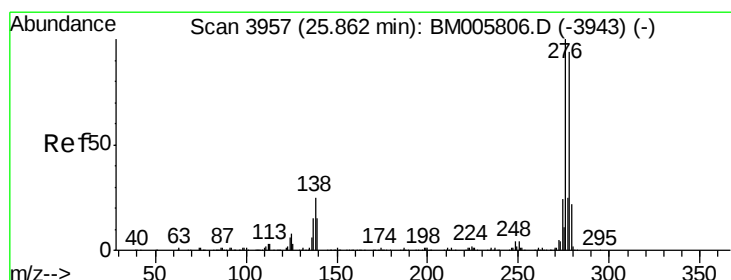
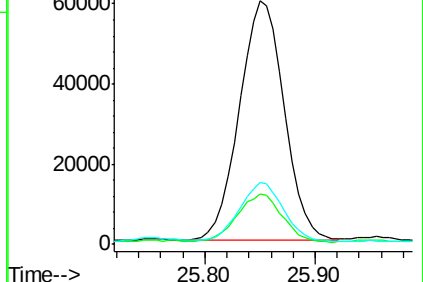
sohil
6/15/2016 6:35:22 PM



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#40

Dibenzo(a,h)anthracene

Concen: 1.08 ng/uI

RT: 25.85 min Scan# 3955

Delta R.T. -0.01 min

Lab File: BM005804.D

Acq: 15 Jun 2016 02:55

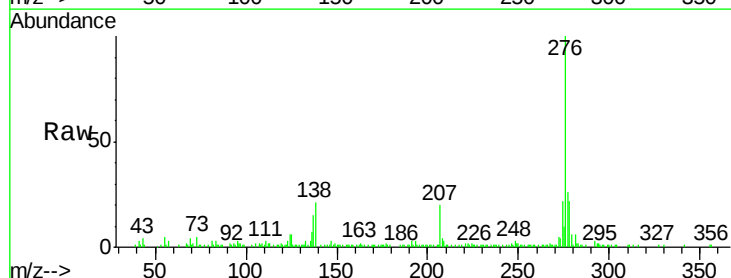
Tgt Ion:278 Resp: 45201

Ion Ratio Lower Upper

278 100

139 0.0 13.0 19.4#

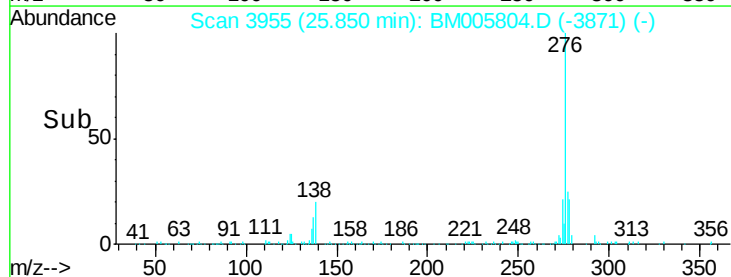
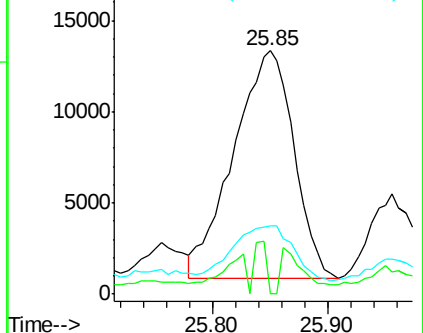
279 27.8 18.8 28.2

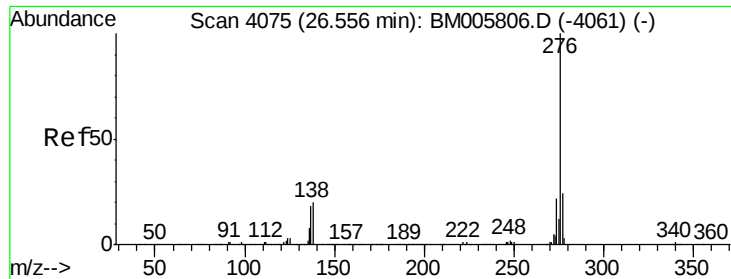


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#41
 Benzo(g,h,i)perylene
 Concen: 3.44 ng/ul
 RT: 26.56 min Scan# 4075
 Delta R.T. -0.00 min
 Lab File: BM005804.D
 Acq: 15 Jun 2016 02:55

Instrument :
 BNA_M
 ClientSampleId :
 D9Y04MS

Tgt	Ion	276	Resp	149366
Ion	Ratio	Lower	Upper	
276	100			
138	21.5	16.6	25.0	
277	24.2	18.9	28.3	

Manual Integrations
 APPROVED

sohil
 6/15/2016 6:35:22 PM

