

Data Path : Z:\HPCHEM1\BNA M\DATA\BM070516\
 Data File : BM006270.D
 Acq On : 05 Jul 2016 22:34
 Operator : UM/SJ
 Sample : H3877-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 V001-BF005-01

Manual Integrations

APPROVED
 SOHIL
 7/6/2016 2:01:15 AM

Quant Time: Jul 06 01:18:09 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM070216.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 05 17:51:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	204063	20.00	ng/ul	0.00
18) Naphthalene-d8	10.42	136	929655	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.29	164	509657	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.04	188	1033489	20.00	ng/ul	0.00
75) Chrysene-d12	21.24	240	860588	20.00	ng/ul	0.00
83) Perylene-d12	23.45	264	851489	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.16	96	8306	1.74	ng/uL	0.00
5) Phenol-d5	6.82	99	386131	20.21	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.98	67	250683	22.24	ng/ul	0.00
9) 2-Chlorophenol-d4	7.17	132	293384	20.06	ng/ul	0.00
13) 4-Methylphenol-d8	8.35	113	309192	19.99	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	151105	20.40	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	160195	19.08	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.05	165	291721	19.17	ng/ul	0.00
29) 4-Chloroaniline-d4	10.56	131	394171	24.93	ng/ul	0.00
43) Dimethylphthalate-d6	13.70	166	917809	21.58	ng/ul	0.00
46) Acenaphthylene-d8	13.99	160	1175487	22.32	ng/ul	0.00
51) 4-Nitrophenol-d4	14.51	143	114095	14.15	ng/ul	0.00
57) Fluorene-d10	15.29	176	796374	21.72	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.42	200	72629	11.99	ng/ul	0.00
70) Anthracene-d10	17.14	188	1106821	22.45	ng/ul	0.00
76) Pyrene-d10	19.44	212	1090467	26.57	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.31	264	964003	24.37	ng/ul	0.00

Target Compounds

						Ovalue
6) Phenol	6.85	94	22584	1.14	ng/ul	99
44) Dimethylphthalate	13.75	163	237551	5.56	ng/ul	99
49) Acenaphthene	14.36	153	59787	1.70	ng/ul	98
53) Dibenzofuran	14.69	168	76667	1.53	ng/ul	98
58) Fluorene	15.34	166	76208	1.90	ng/ul	98
69) Phenanthrene	17.09	178	1257605	21.82	ng/ul	99
71) Anthracene	17.17	178	232260	3.90	ng/ul	98
72) Carbazole	17.45	167	55117	1.10	ng/ul	98
74) Fluoranthene	19.11	202	1281484	19.97	ng/ul	99
77) Pyrene	19.47	202	1081998	20.05	ng/ul	99
80) Benzo(a)anthracene	21.22	228	445908	8.45	ng/ul	98
82) Chrysene	21.27	228	437950	9.09	ng/ul	97
85) Benzo(b)fluoranthene	22.79	252	525224	10.42	ng/ul#	97
86) Benzo(k)fluoranthene	22.83	252	134123m	2.86	ng/ul	
88) Benzo(a)pyrene	23.35	252	375862	7.70	ng/ul	97
89) Indeno(1,2,3-cd)pyrene	25.66	276	220217	3.95	ng/ul	99
90) Dibenzo(a,h)anthracene	25.66	278	59279	1.29	ng/ul#	86
91) Benzo(g,h,i)perylene	26.34	276	199377	4.14	ng/ul	96

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

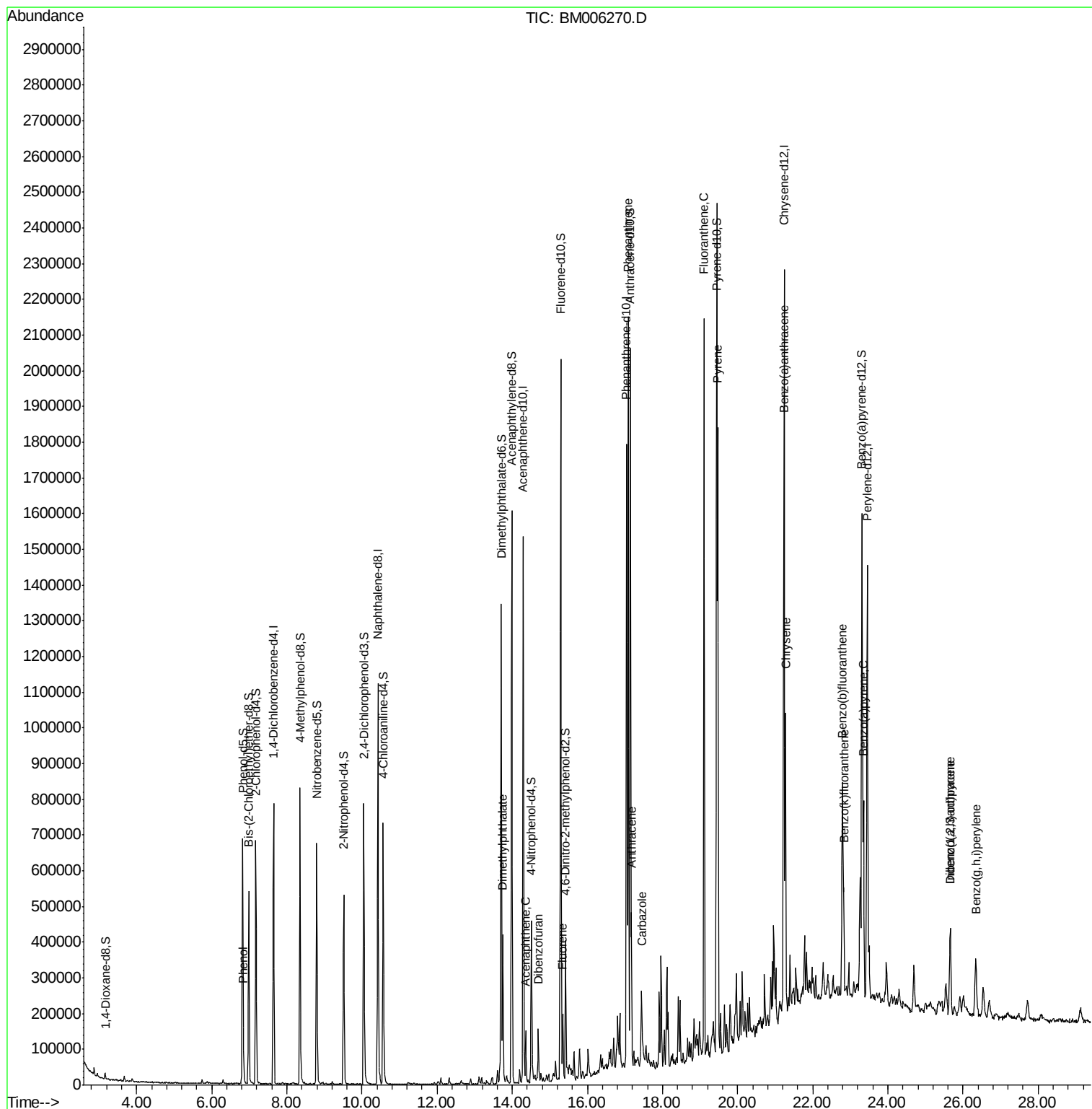
Data Path : Z:\HPCHEM1\BNA M\DATA\BM070516\
Data File : BM006270.D
Acq On : 05 Jul 2016 22:34
Operator : UM/SJ
Sample : H3877-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

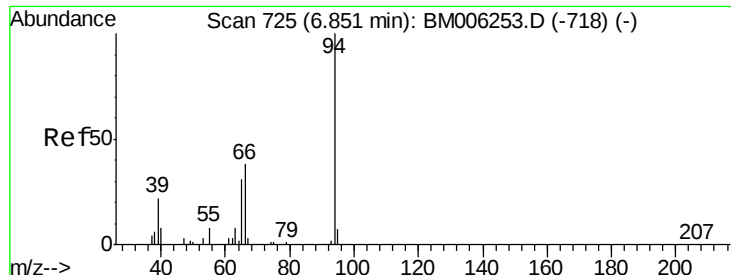
Instrument :
BNA_M
ClientSampleId :
V001-BF005-01

Manual Integrations

SOHIL
7/6/2016 2:01:15 AM

Quant Time: Jul 06 01:18:09 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM070216.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 05 17:51:55 2016
Response via : Initial Calibration





#6

Phenol

Concen: 1.14 ng/ul

RT: 6.85 min Scan# 724

Delta R.T. -0.01 min

Lab File: BM006270.D

Acq: 05 Jul 2016 22:34

Instrument :

BNA_M

ClientSampleId :

V001-BF005-01

Tot Ion: 94 Resp: 22584

Ion Ratio Lower Upper

94 100

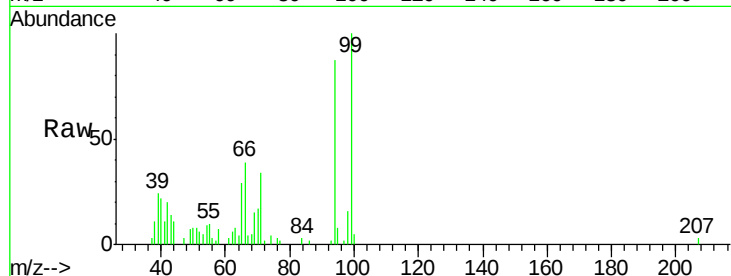
65 33.4 25.8 38.8

66 44.1 35.7 53.5

Manual Integrations

SOHIL

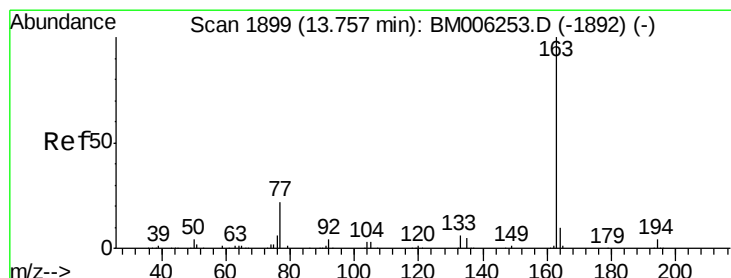
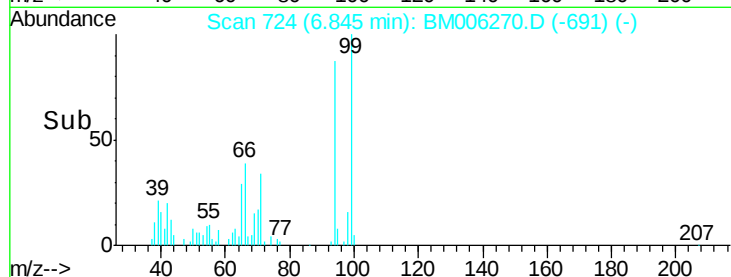
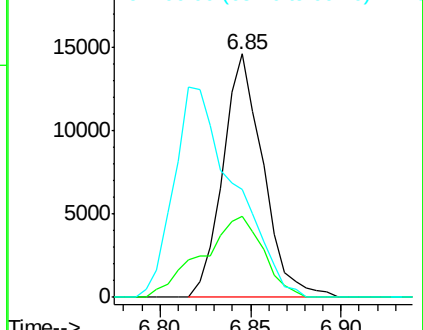
7/6/2016 2:01:15 AM



Abundance Ion 94.00 (93.70 to 94.70): BM006253.D (-718) (-)

Ion 65.00 (64.70 to 65.70): BM006253.D (-718) (-)

Ion 66.00 (65.70 to 66.70): BM006253.D (-718) (-)



#44

Dimethylphthalate

Concen: 5.56 ng/ul

RT: 13.75 min Scan# 1898

Delta R.T. -0.01 min

Lab File: BM006270.D

Acq: 05 Jul 2016 22:34

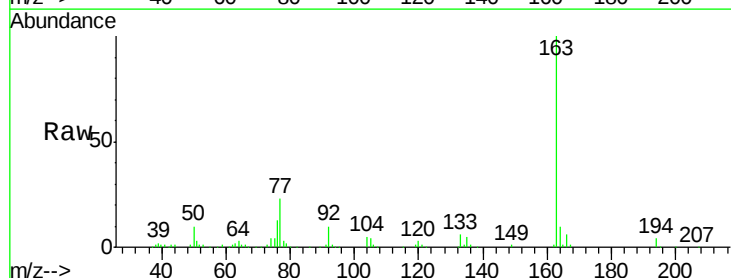
Tgt Ion:163 Resp: 237551

Ion Ratio Lower Upper

163 100

194 3.7 3.4 5.0

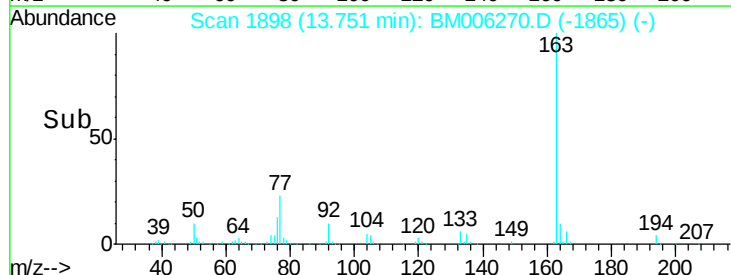
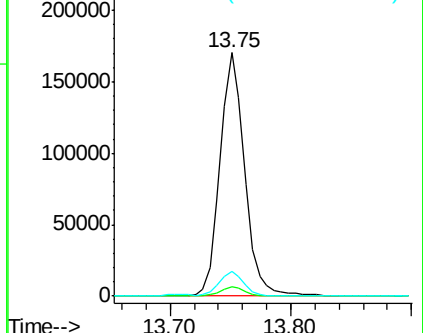
164 10.2 7.8 11.8

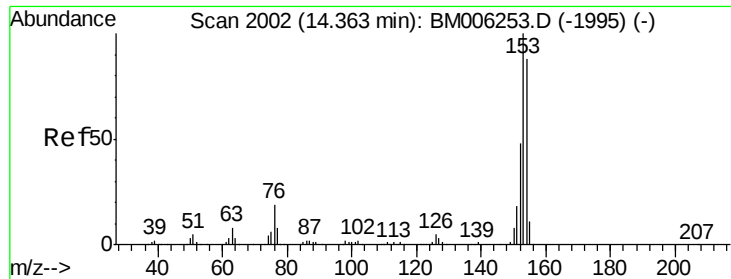


Abundance Ion 163.00 (162.70 to 163.70): BM006253.D (-1892) (-)

Ion 194.00 (193.70 to 194.70): BM006253.D (-1892) (-)

Ion 164.00 (163.70 to 164.70): BM006253.D (-1892) (-)





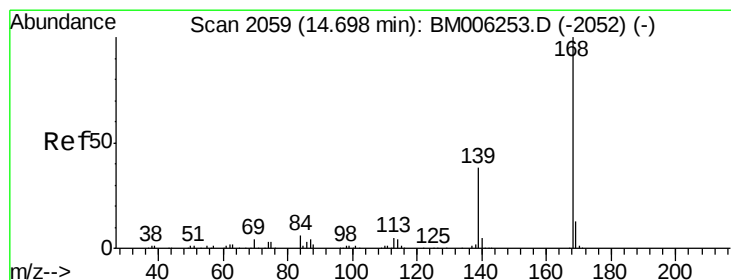
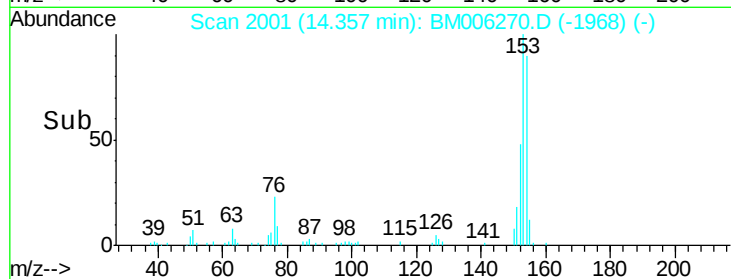
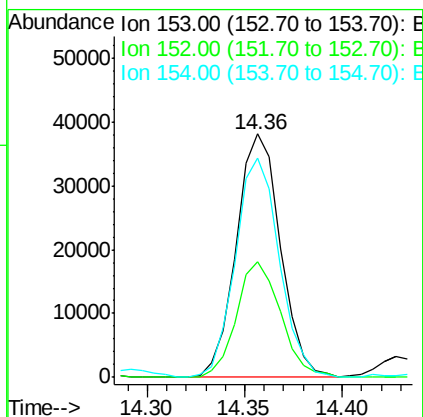
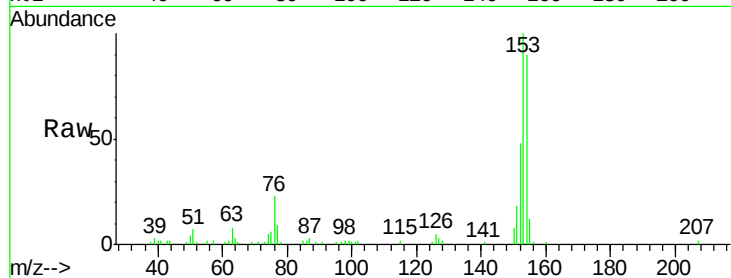
#49
Acenaphthene
Concen: 1.70 ng/ul
RT: 14.36 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BM006270.D
Acq: 05 Jul 2016 22:34

Instrument :
BNA_M
ClientSampleId :
V001-BF005-01

Tot Ion:153 Resp: 59787
Ion Ratio Lower Upper
153 100
152 47.6 37.7 56.5
154 89.9 70.0 105.0

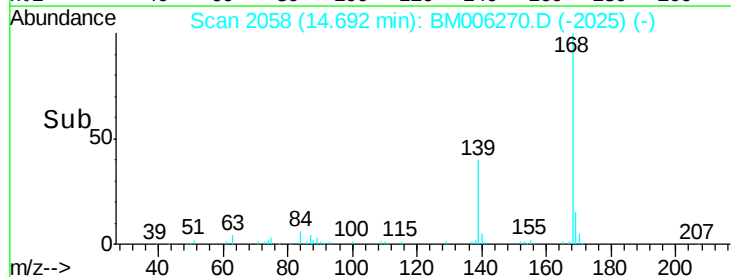
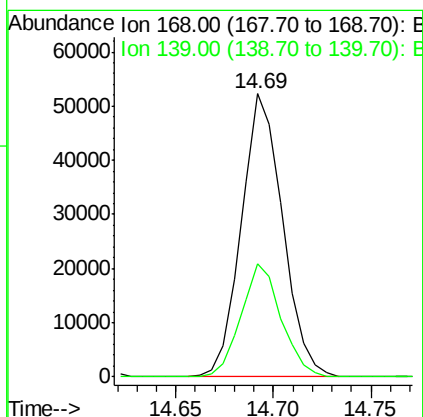
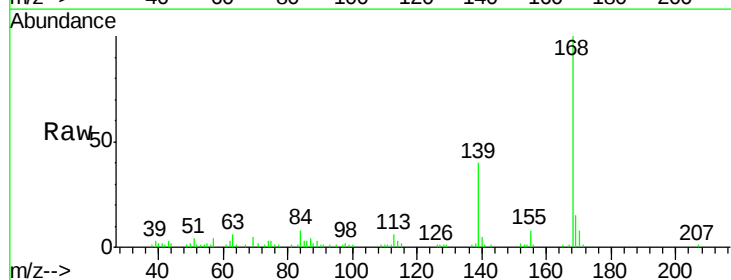
Manual Integrations

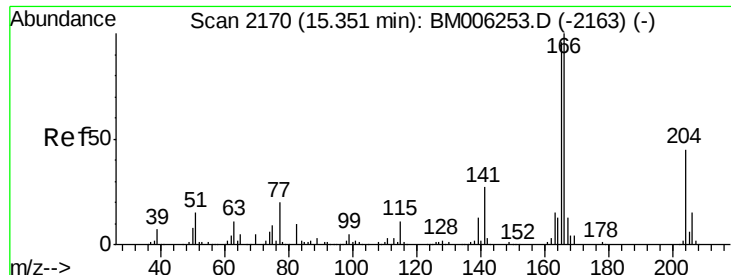
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#53
Dibenzofuran
Concen: 1.53 ng/ul
RT: 14.69 min Scan# 2058
Delta R.T. -0.01 min
Lab File: BM006270.D
Acq: 05 Jul 2016 22:34

Tgt Ion:168 Resp: 76667
Ion Ratio Lower Upper
168 100
139 39.8 30.6 46.0





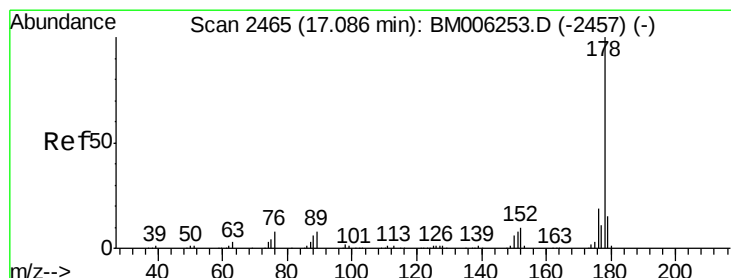
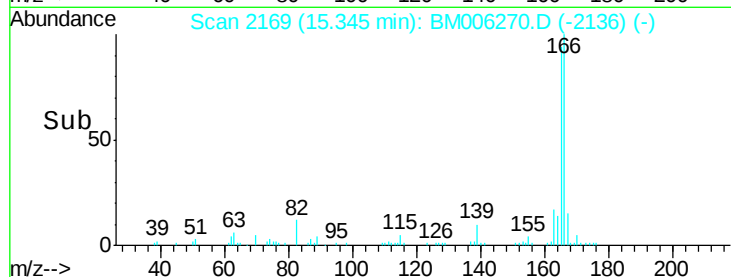
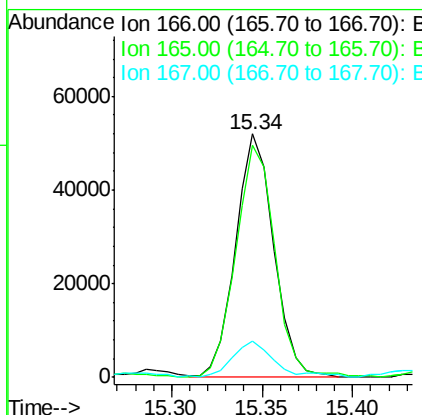
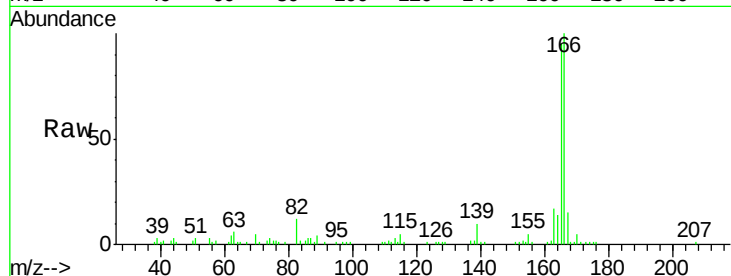
#58
Fluorene
 Concen: 1.90 ng/ul
 RT: 15.34 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: BM006270.D
 Acq: 05 Jul 2016 22:34

Instrument :
 BNA_M
 ClientSampleId :
 V001-BF005-01

Tot Ion:166 Resp: 76208
 Ion Ratio Lower Upper
 166 100
 165 95.3 77.5 116.3
 167 14.9 10.8 16.2

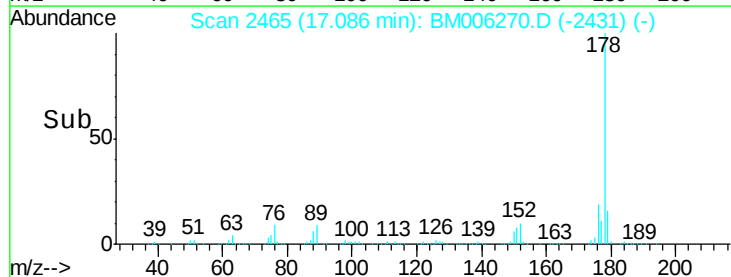
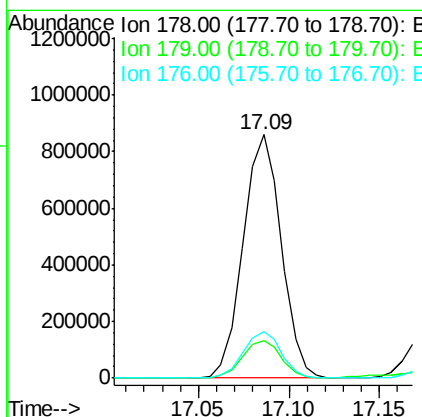
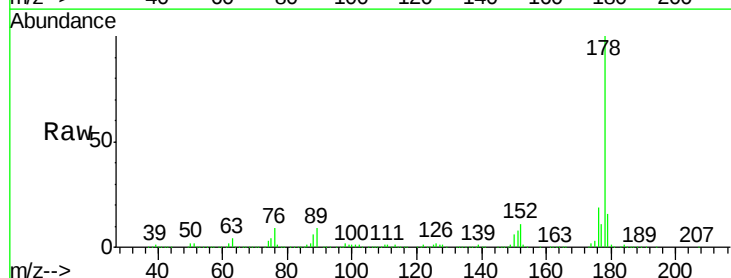
Manual Integrations

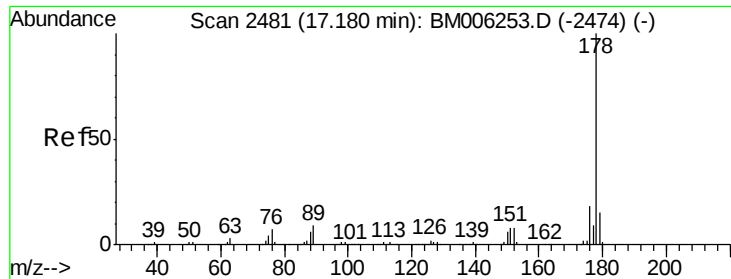
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#69
Phenanthrene
 Concen: 21.82 ng/ul
 RT: 17.09 min Scan# 2465
 Delta R.T. -0.00 min
 Lab File: BM006270.D
 Acq: 05 Jul 2016 22:34

Tgt Ion:178 Resp: 1257605
 Ion Ratio Lower Upper
 178 100
 179 15.5 11.9 17.9
 176 19.1 15.2 22.8





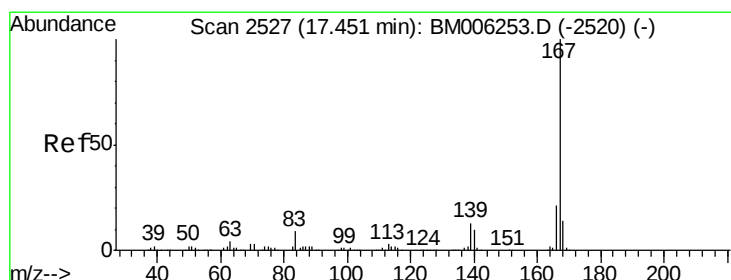
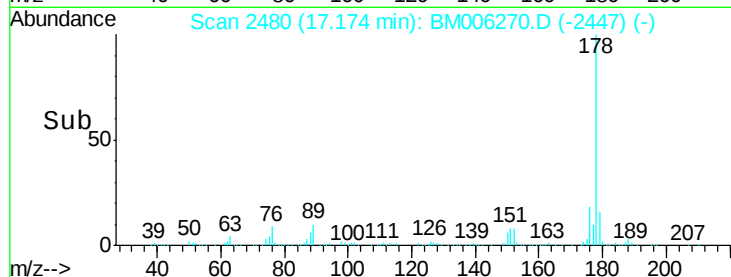
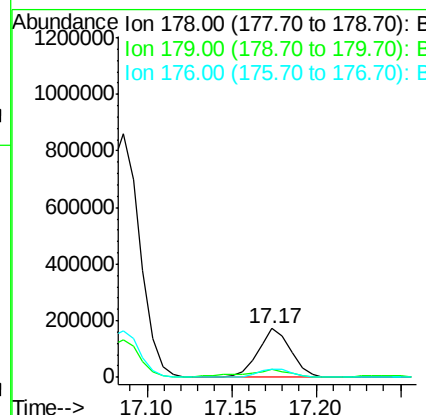
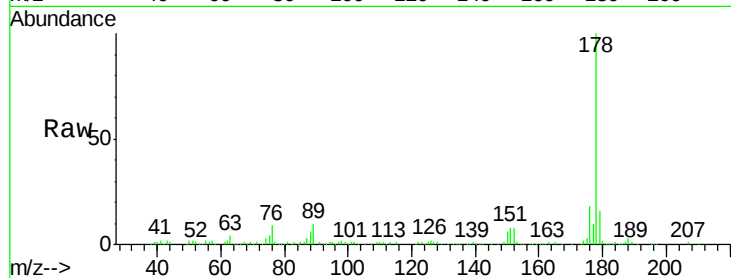
#71
 Anthracene
 Concen: 3.90 ng/ul
 RT: 17.17 min Scan# 2480
 Delta R.T. -0.01 min
 Lab File: BM006270.D
 Acq: 05 Jul 2016 22:34

Instrument :
 BNA_M
 ClientSampleId :
 V001-BF005-01

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.0	18.0
176	17.5	15.0	22.6

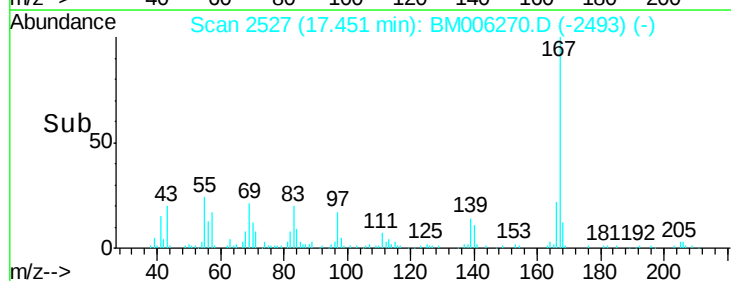
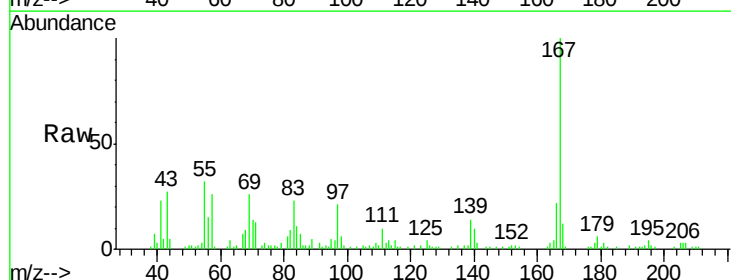
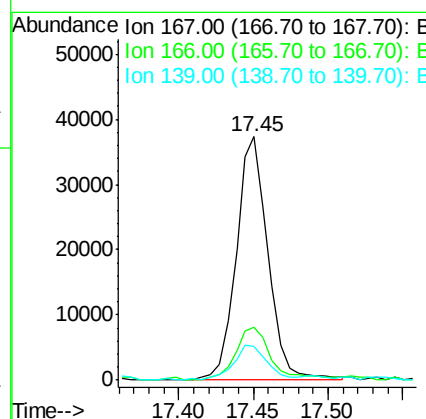
Manual Integrations

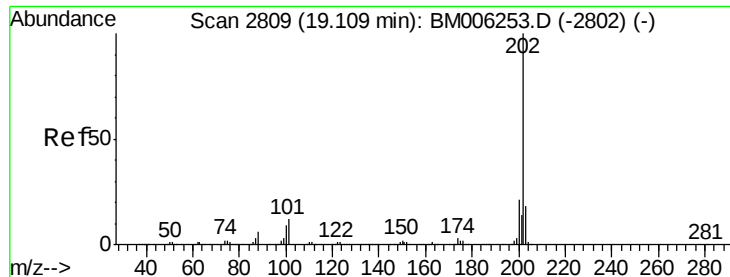
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 7/6/2016 2:01:15 AM



#72
 Carbazole
 Concen: 1.10 ng/ul
 RT: 17.45 min Scan# 2527
 Delta R.T. -0.00 min
 Lab File: BM006270.D
 Acq: 05 Jul 2016 22:34

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.0	25.6
139	13.8	10.2	15.4





#74

Fluoranthene

Concen: 19.97 ng/ul

RT: 19.11 min Scan# 2809

Delta R.T. -0.00 min

Lab File: BM006270.D

Acq: 05 Jul 2016 22:34

Instrument :

BNA_M

ClientSampleId :

V001-BF005-01

Tot Ion:202 Resp: 1281484

Ion Ratio Lower Upper

202 100

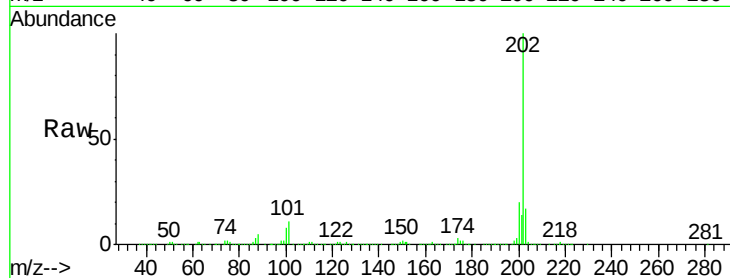
101 11.0 8.6 12.8

100 7.9 6.4 9.6

Manual Integrations

SOHIL

7/6/2016 2:01:15 AM



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

1200000

1000000

800000

600000

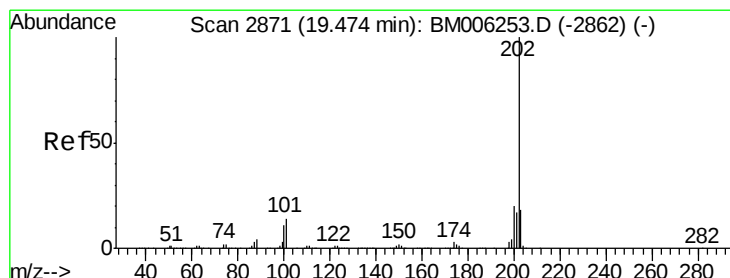
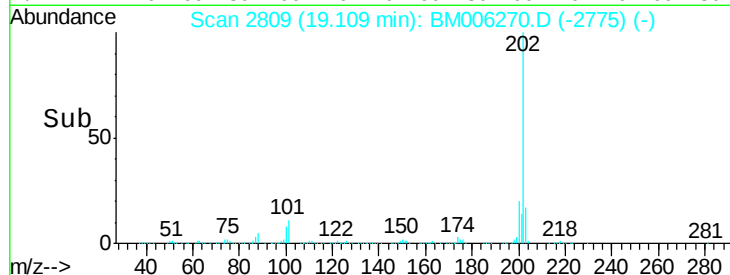
400000

200000

0

19.05 19.10 19.15

Time-->



#77

Pyrene

Concen: 20.05 ng/ul

RT: 19.47 min Scan# 2871

Delta R.T. -0.00 min

Lab File: BM006270.D

Acq: 05 Jul 2016 22:34

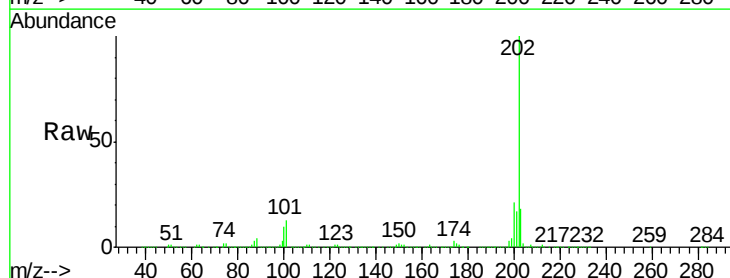
Tgt Ion:202 Resp: 1081998

Ion Ratio Lower Upper

202 100

101 12.9 10.0 15.0

100 10.0 7.9 11.9



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

1000000

800000

600000

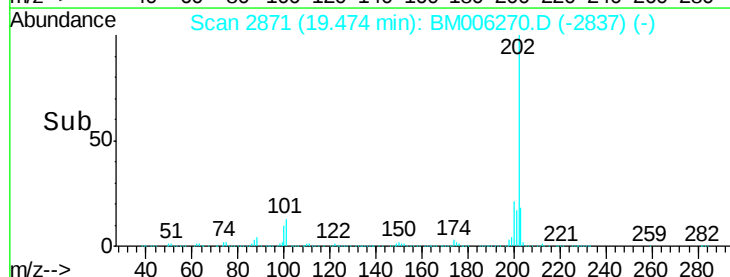
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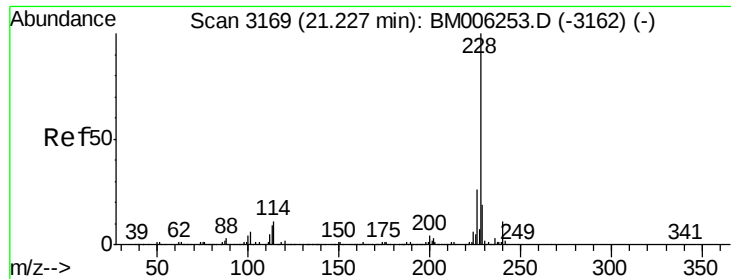
200000

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19.40 19.45 19.50 19.55

Time-->





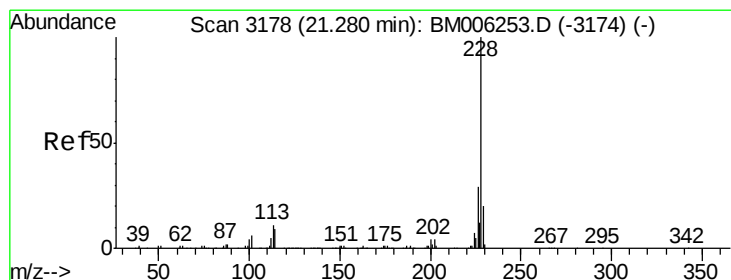
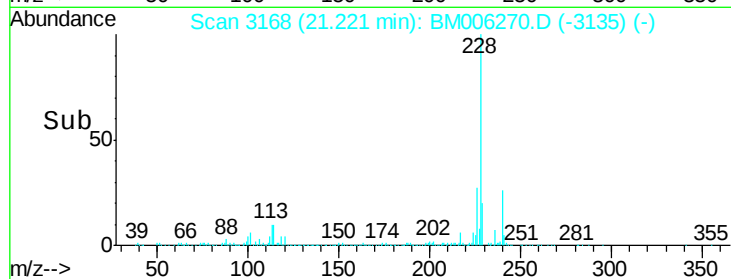
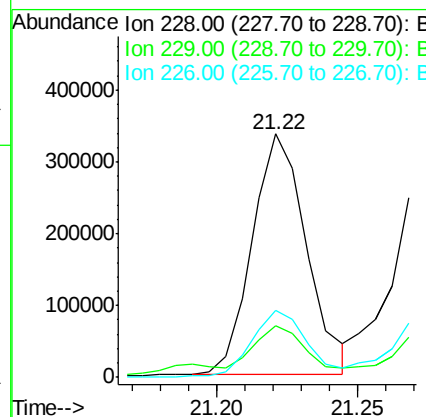
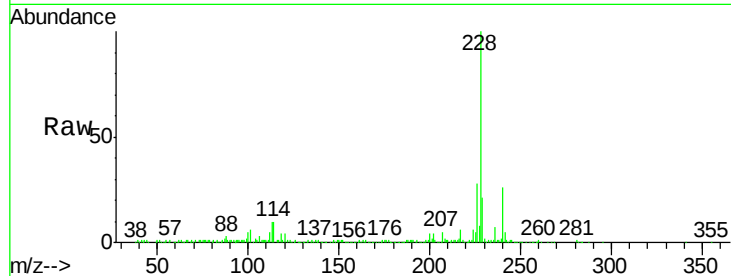
#80
Benzo(a)anthracene
Concen: 8.45 ng/ul
RT: 21.22 min Scan# 3168
Delta R.T. -0.01 min
Lab File: BM006270.D
Acq: 05 Jul 2016 22:34

Instrument :
BNA_M
ClientSampleId :
V001-BF005-01

Tot Ion	Ratio	Lower	Upper
228	100		
229	21.0	15.6	23.4
226	27.6	21.4	32.2

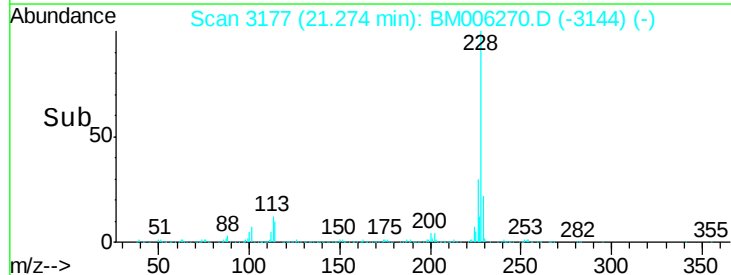
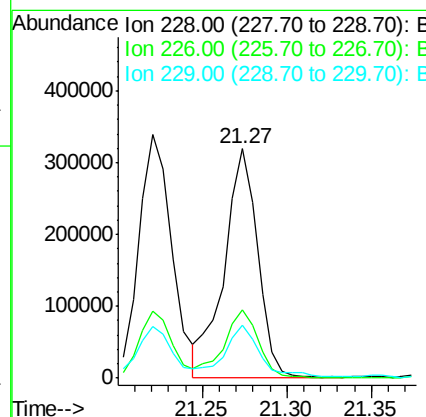
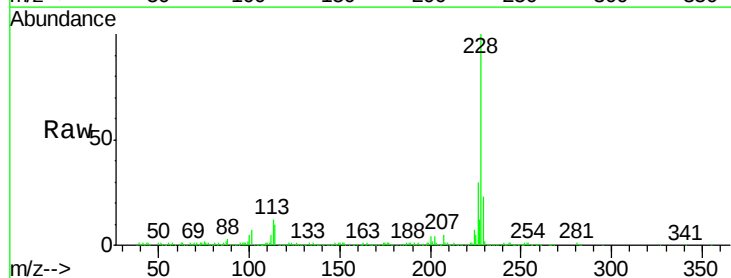
Manual Integrations

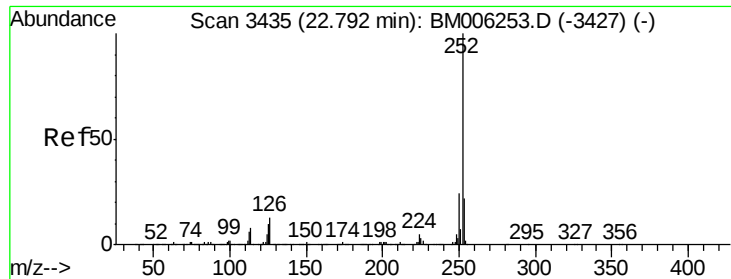
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7/6/2016 2:01:15 AM



#82
Chrysene
Concen: 9.09 ng/ul
RT: 21.27 min Scan# 3177
Delta R.T. -0.01 min
Lab File: BM006270.D
Acq: 05 Jul 2016 22:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.3	34.9
229	22.9	15.8	23.8





#85

Benzo(b)fluoranthene

Concen: 10.42 ng/ul

RT: 22.79 min Scan# 3434

Delta R.T. -0.01 min

Lab File: BM006270.D

Acq: 05 Jul 2016 22:34

Instrument :

BNA_M

ClientSampleId :

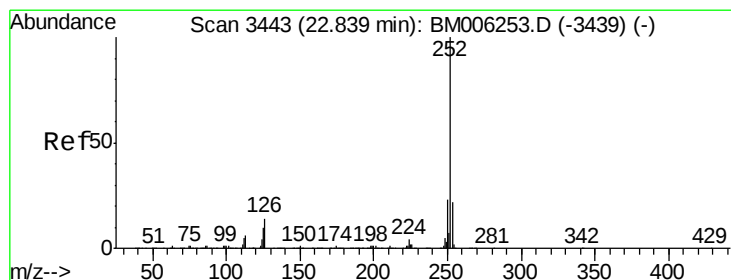
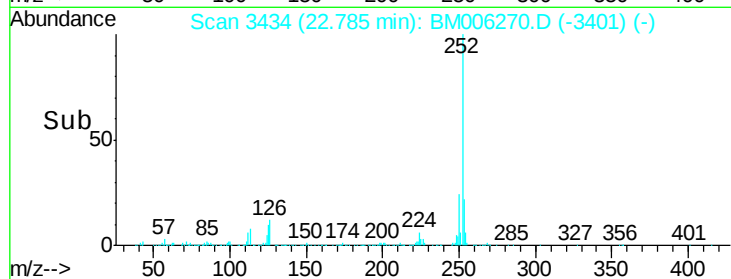
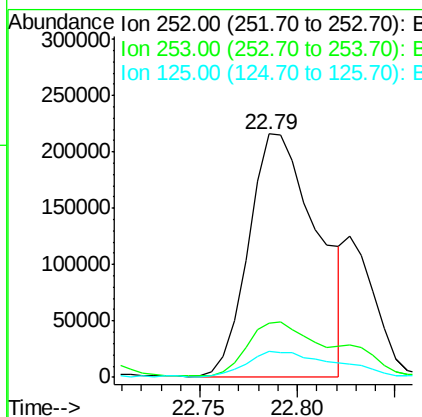
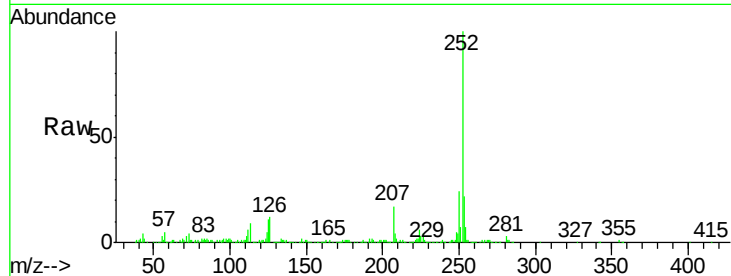
V001-BF005-01

Tot Ion:	252	Resp:	525224
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.4	26.2
125	10.8	6.7	10.1#

Manual Integrations

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#86

Benzo(k)fluoranthene

Concen: 2.86 ng/ul m

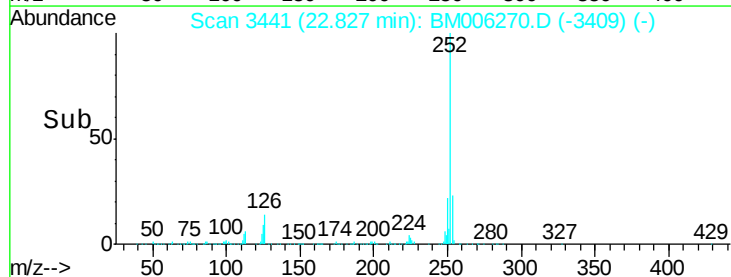
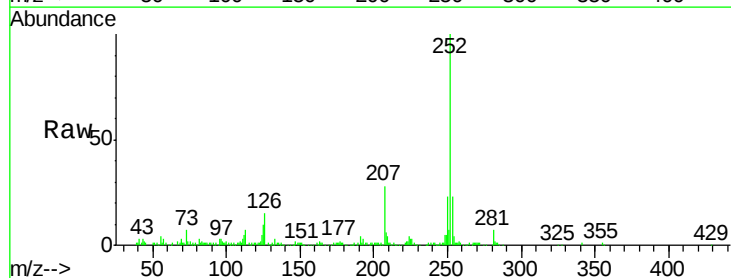
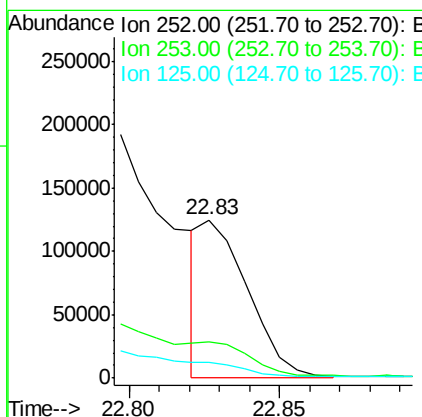
RT: 22.83 min Scan# 3441

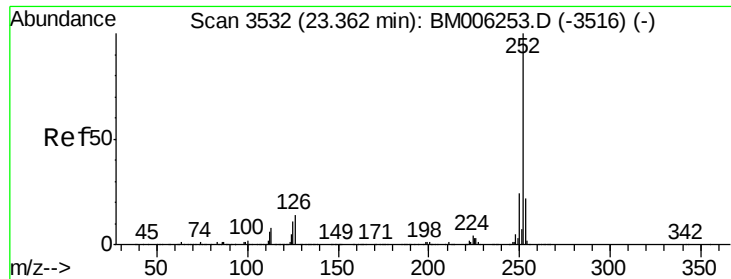
Delta R.T. -0.01 min

Lab File: BM006270.D

Acq: 05 Jul 2016 22:34

Tgt Ion:	252	Resp:	134123
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.3	25.9
125	9.8	7.0	10.4





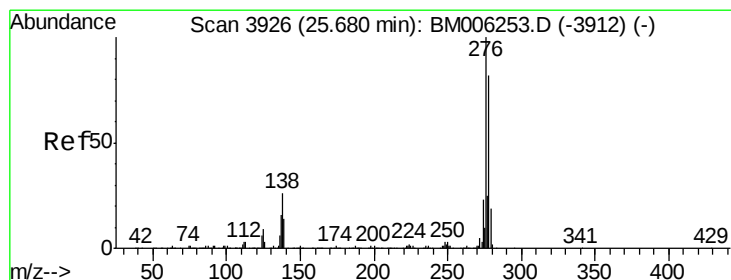
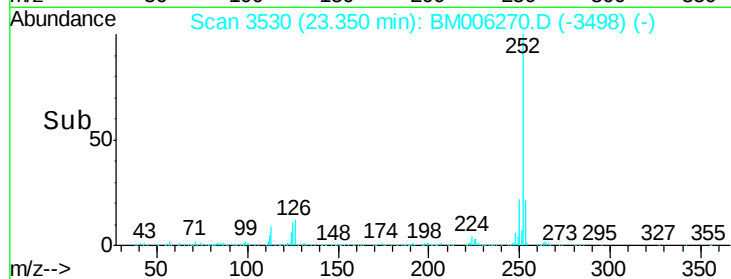
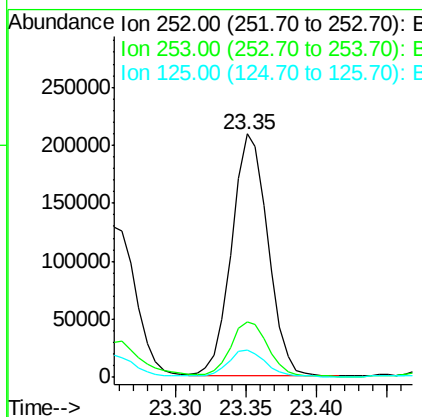
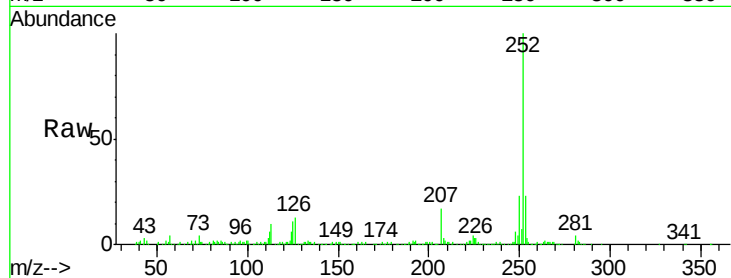
#88
Benzo(a)pyrene
Concen: 7.70 ng/ul
RT: 23.35 min Scan# 3530
Delta R.T. -0.01 min
Lab File: BM006270.D
Acq: 05 Jul 2016 22:34

Instrument :
BNA_M
ClientSampleId :
V001-BF005-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.2
125	11.3	7.6	11.4

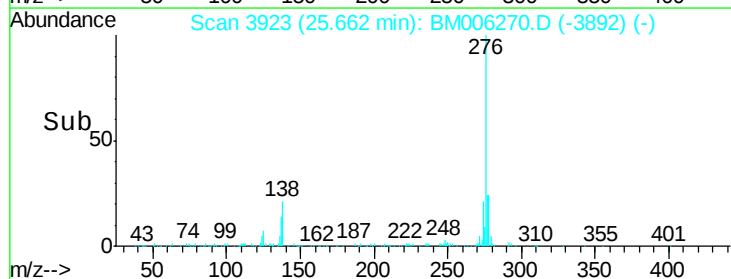
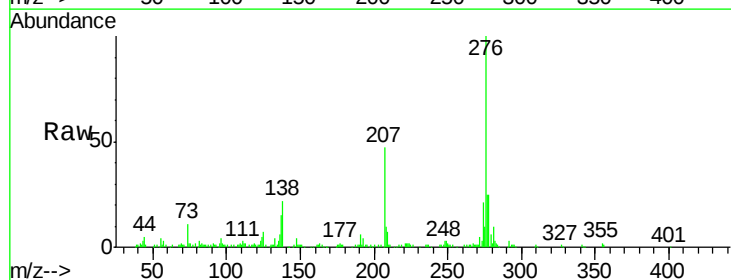
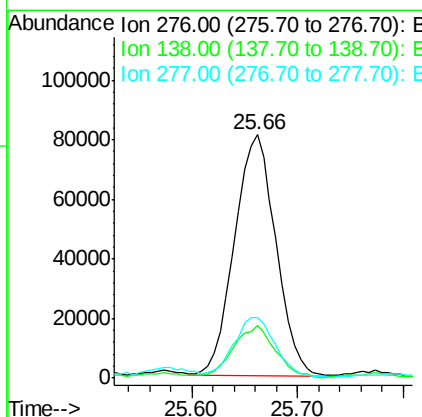
Manual Integrations

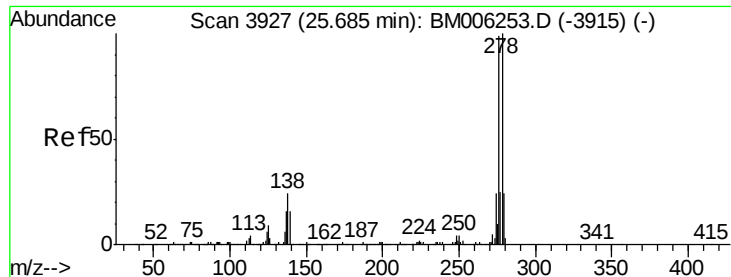
APPROVED
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#89
Indeno(1,2,3-cd)pyrene
Concen: 3.95 ng/ul
RT: 25.66 min Scan# 3923
Delta R.T. -0.02 min
Lab File: BM006270.D
Acq: 05 Jul 2016 22:34

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.7	17.8	26.6
277	24.7	20.1	30.1





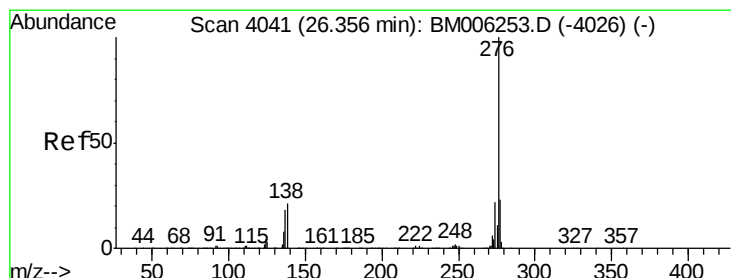
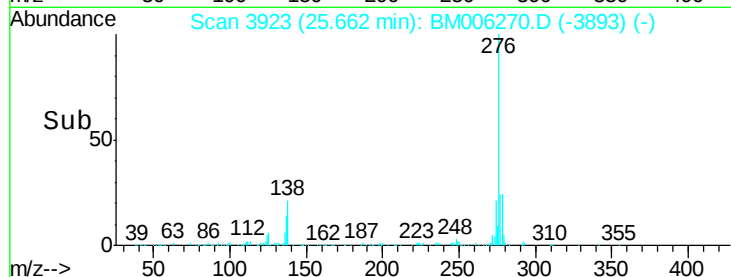
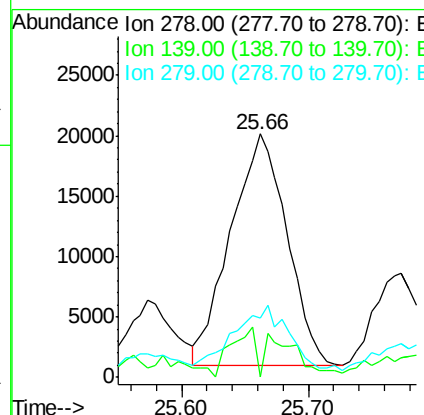
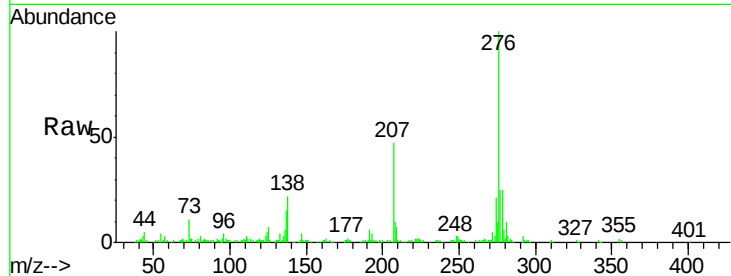
#90
Dibenzo(a,h)anthracene
Concen: 1.29 ng/ul
RT: 25.66 min Scan# 3923
Delta R.T. -0.02 min
Lab File: BM006270.D
Acq: 05 Jul 2016 22:34

Instrument :
BNA_M
ClientSampleId :
V001-BF005-01

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	11.7	17.5#
279	24.3	19.2	28.8

Manual Integrations

APPROVED
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7/6/2016 2:01:15 AM



#91
Benzo(g,h,i)perylene
Concen: 4.14 ng/ul
RT: 26.34 min Scan# 4039
Delta R.T. -0.01 min
Lab File: BM006270.D
Acq: 05 Jul 2016 22:34

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.8	15.0	22.4
277	23.2	19.0	28.4

