

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042018\
 Data File : BM014762.D
 Acq On : 20 Apr 2018 13:53
 Operator : SJ/JU
 Sample : J2434-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AC1

Manual Integrations
 APPROVED

Sohil
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Quant Time: Apr 20 17:38:28 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 20 17:02:43 2018
 Response via : Initial Calibration

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.55	152	365114	20.00	ng/ul	0.00
18) Naphthalene-d8	11.39	136	1498026	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.15	164	804076	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.86	188	1682195	20.00	ng/ul	0.00
75) Chrysene-d12	21.94	240	1684692	20.00	ng/ul	0.00
83) Perylene-d12	24.44	264	1792393	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.67	96	34702	4.15	ng/uL	0.00
5) Phenol-d5	7.66	99	562954	19.94	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.85	67	438830	24.24	ng/ul	0.00
9) 2-Chlorophenol-d4	8.06	132	546334	23.14	ng/ul	0.00
13) 4-Methylphenol-d8	9.24	113	445399	19.79	ng/ul	0.00
19) Nitrobenzene-d5	9.73	128	263480	24.33	ng/ul	0.00
22) 2-Nitrophenol-d4	10.46	143	268144	24.86	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.99	165	498487	22.75	ng/ul	0.00
29) 4-Chloroaniline-d4	11.51	131	318601	14.73	ng/ul	0.00
43) Dimethylphthalate-d6	14.53	166	1480916	23.59	ng/ul	0.00
46) Acenaphthylene-d8	14.85	160	1944006	25.08	ng/ul	0.00
51) 4-Nitrophenol-d4	15.30	143	93064	7.99	ng/ul	0.00
57) Fluorene-d10	16.12	176	1283405	23.51	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.22	200	107988	11.86	ng/ul	0.00
70) Anthracene-d10	17.95	188	1862468	23.76	ng/ul	0.00
76) Pyrene-d10	20.19	212	1932865	24.25	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.29	264	1936463	21.99	ng/ul	0.00

Target Compounds

					Ovalue
4) Benzaldehyde	7.66	77	72894	4.909 ng/ul	90
6) Phenol	7.69	94	130693	4.706 ng/ul#	78
28) Naphthalene	11.44	128	158001	2.164 ng/ul	99
34) 2-Methylnaphthalene	13.01	142	125498	2.476 ng/ul	97
44) Dimethylphthalate	14.58	163	378771	6.243 ng/ul	99
47) Acenaphthylene	14.87	152	369579	4.922 ng/ul	98
69) Phenanthrene	17.90	178	1230005	13.615 ng/ul	100
71) Anthracene	17.99	178	748320	8.162 ng/ul	98
72) Carbazole	18.25	167	152641	1.952 ng/ul	98
74) Fluoranthene	19.86	202	4128846	41.919 ng/ul#	84
77) Pyrene	20.22	202	4729210	48.045 ng/ul#	81
80) Benzo(a)anthracene	21.93	228	2957287	30.018 ng/ul	96
81) Bis(2-ethylhexyl)phthalate	21.80	149	158170	2.683 ng/ul	98
82) Chrysene	21.98	228	3832375m	41.554 ng/ul	
85) Benzo(b)fluoranthene	23.69	252	7245677	68.575 ng/ul#	96
86) Benzo(k)fluoranthene	23.73	252	2286757m	22.507 ng/ul	
88) Benzo(a)pyrene	24.34	252	3469765	34.619 ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	27.04	276	2796959	23.068 ng/ul#	92
90) Dibenzo(a,h)anthracene	27.04	278	904652	8.861 ng/ul#	87
91) Benzo(g,h,i)perylene	27.84	276	2547340	25.537 ng/ul#	90

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

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042018\
Data File : BM014762.D
Acq On : 20 Apr 2018 13:53
Operator : SJ/JU
Sample : J2434-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

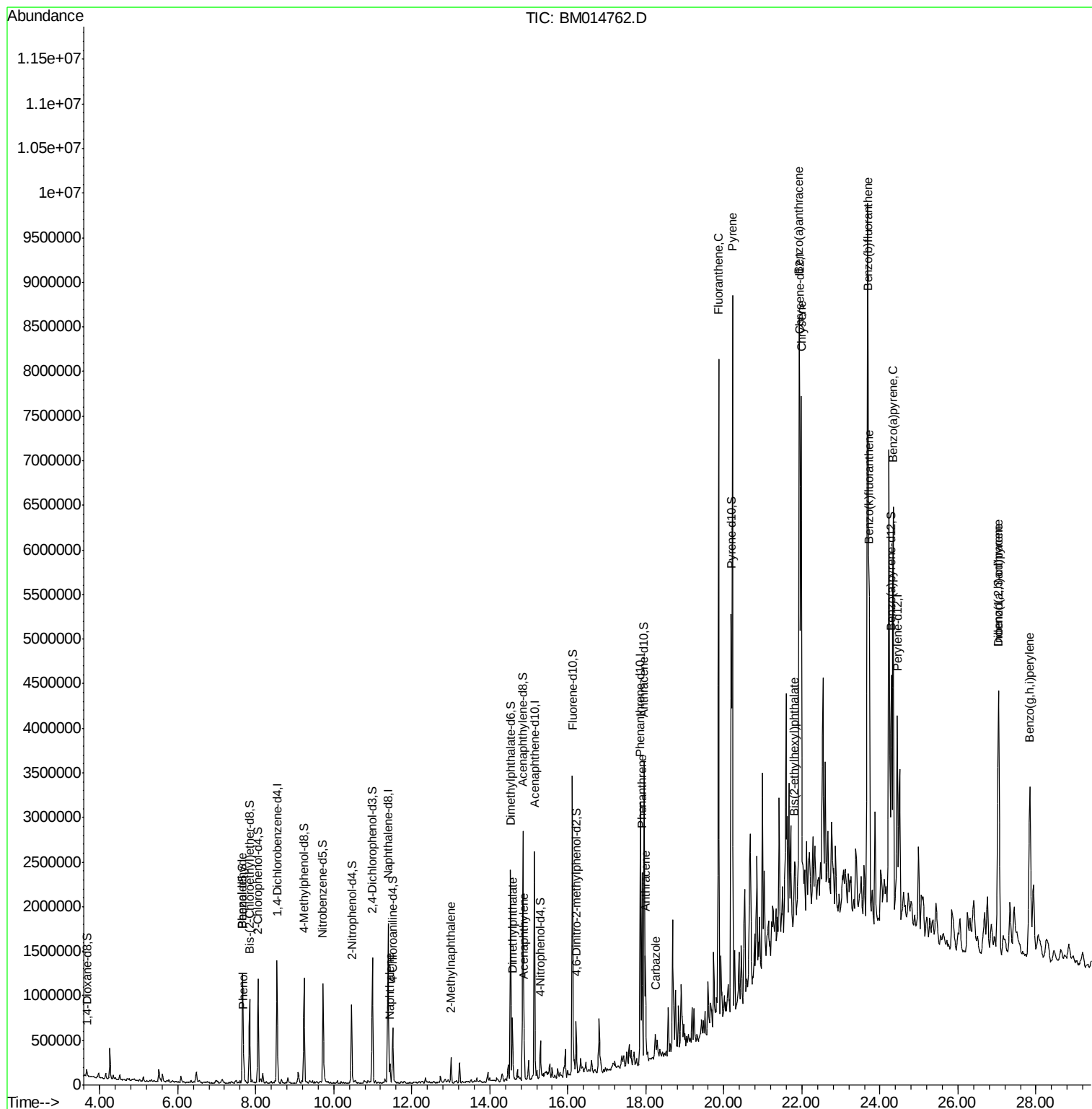
Instrument :
BNA_M
ClientSampleId :
C0AC1

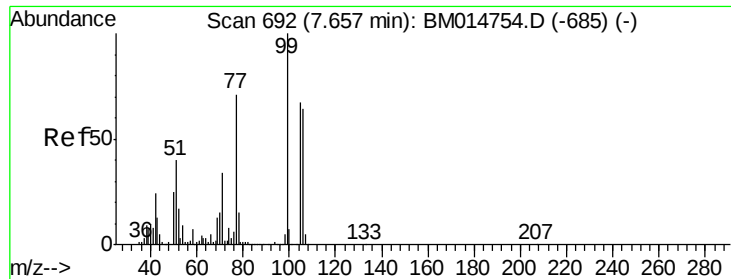
Quant Time: Apr 20 17:38:28 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

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#4

Benzaldehyde

Concen: 4.909 ng/ul

RT: 7.66 min Scan# 692

Delta R.T. 0.00 min

Lab File: BM014762.D

Acq: 20 Apr 2018 13:53

Instrument :

BNA_M

ClientSampled :

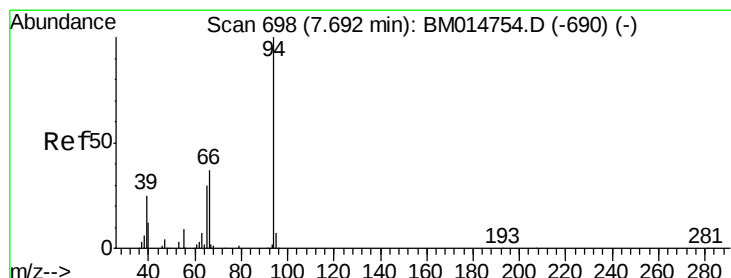
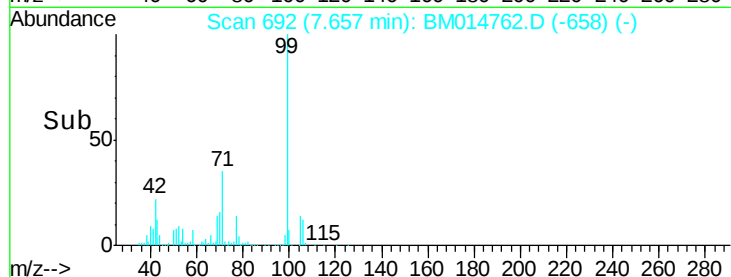
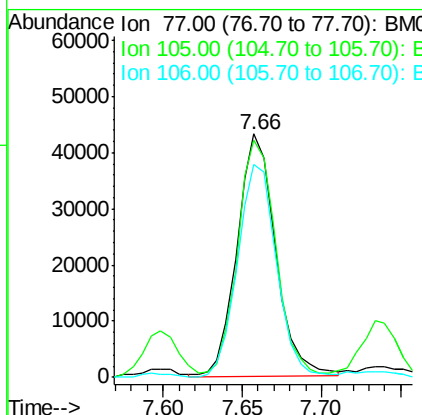
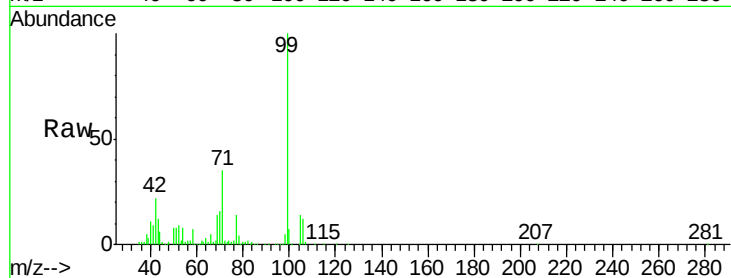
C0AC1

Tot Ion:	77	Resp:	72894
Ion Ratio	Lower	Upper	
77	100		
105	97.2	66.1	99.1
106	87.4	67.8	101.6

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#6

Phenol

Concen: 4.706 ng/ul

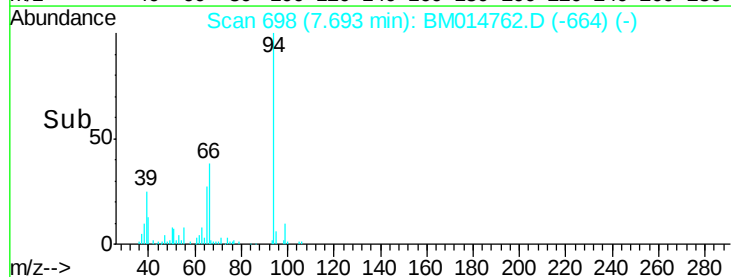
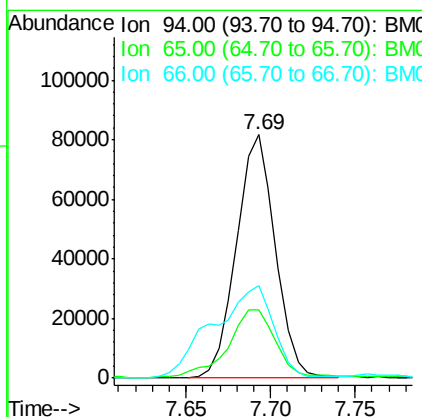
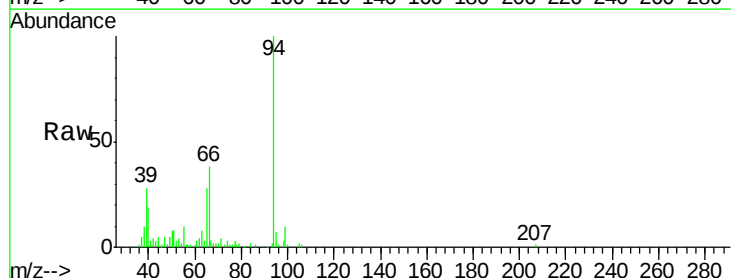
RT: 7.69 min Scan# 698

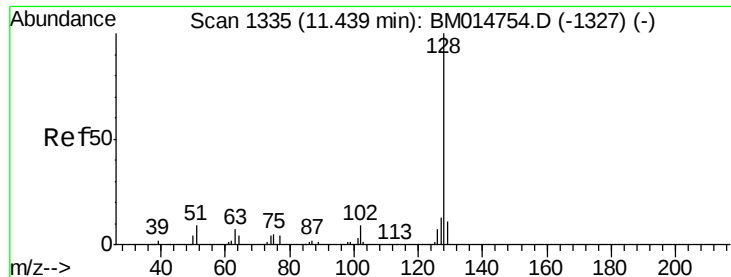
Delta R.T. 0.00 min

Lab File: BM014762.D

Acq: 20 Apr 2018 13:53

Tgt Ion:	94	Resp:	130693
Ion Ratio	Lower	Upper	
94	100		
65	28.0	28.2	42.4#
66	37.8	47.2	70.8#





#28
Naphthalene
Concen: 2.164 ng/ul
RT: 11.44 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BM014762.D
Acq: 20 Apr 2018 13:53

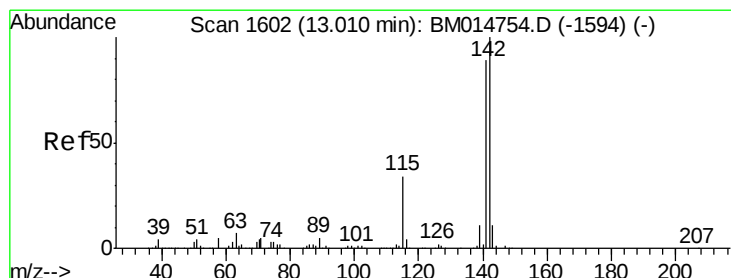
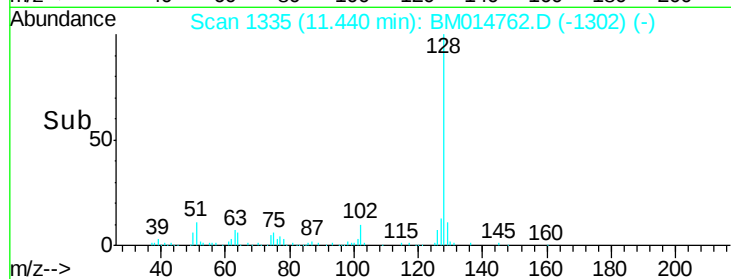
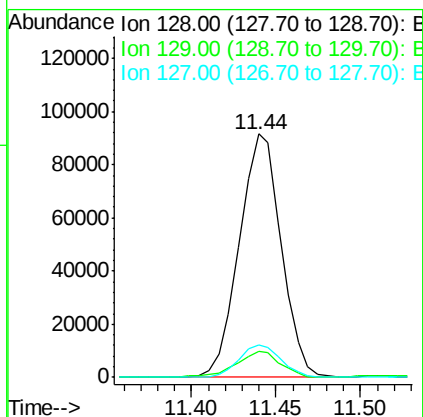
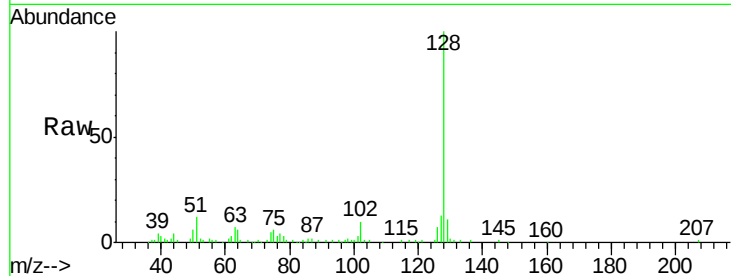
Instrument :
BNA_M
ClientSampleId :
C0AC1

Tot Ion:128	Resp:	158001
Ion Ratio	Lower	Upper
128	100	
129	10.6	8.8 13.2
127	13.2	10.6 16.0

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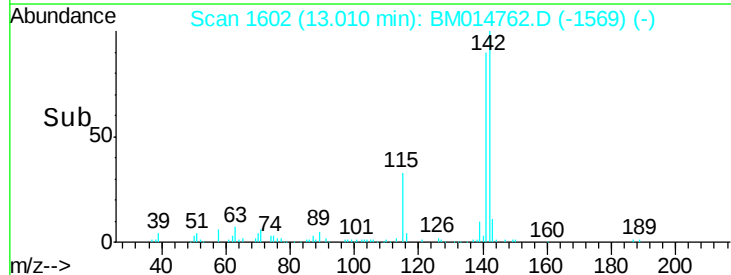
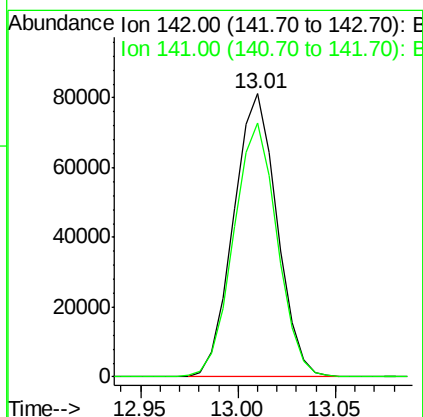
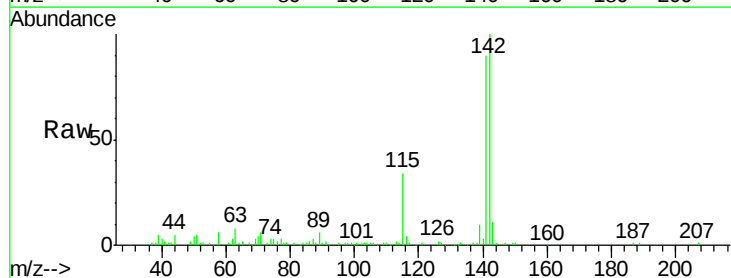
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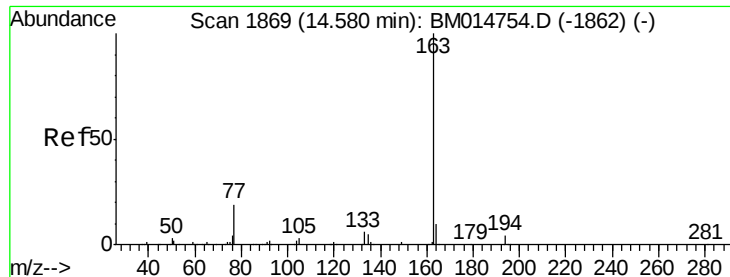
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#34
2-Methylnaphthalene
Concen: 2.476 ng/ul
RT: 13.01 min Scan# 1602
Delta R.T. -0.01 min
Lab File: BM014762.D
Acq: 20 Apr 2018 13:53

Tgt Ion:142	Resp:	125498
Ion Ratio	Lower	Upper
142	100	
141	89.9	74.1 111.1





#44
Dimethylphthalate
Concen: 6.243 ng/ul
RT: 14.58 min Scan# 1869
Delta R.T. -0.01 min
Lab File: BM014762.D
Acq: 20 Apr 2018 13:53

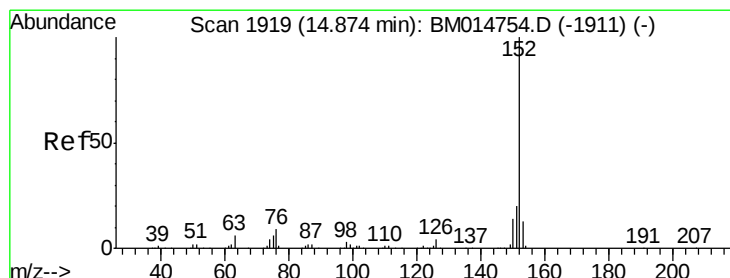
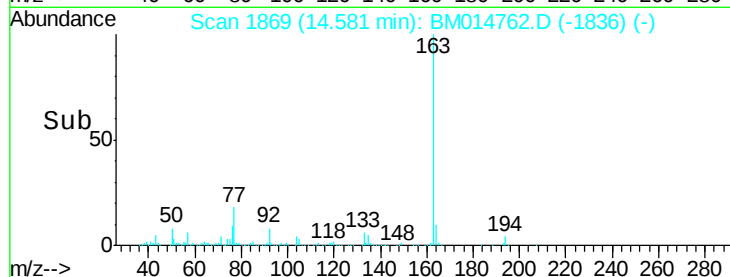
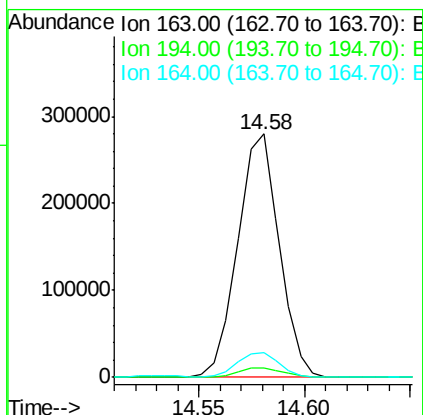
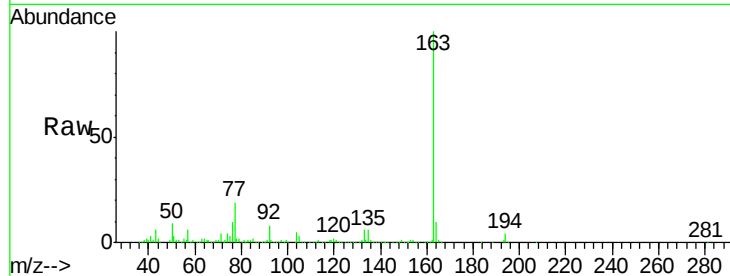
Instrument :
BNA_M
ClientSampleId :
C0AC1

Tot Ion:	163	Resp:	378771
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.5	5.3
164	10.1	8.2	12.4

Manual Integrations
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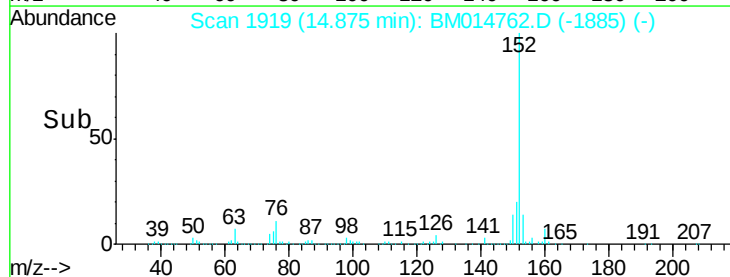
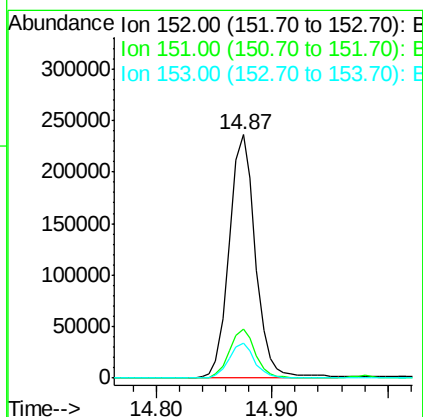
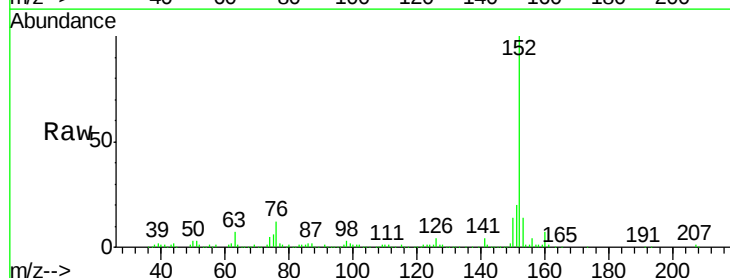
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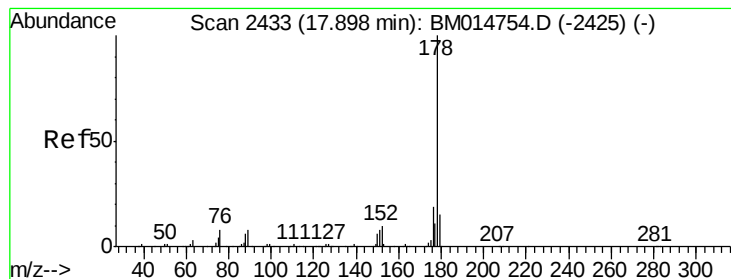
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#47
Acenaphthylene
Concen: 4.922 ng/ul
RT: 14.87 min Scan# 1919
Delta R.T. 0.00 min
Lab File: BM014762.D
Acq: 20 Apr 2018 13:53

Tgt Ion:	152	Resp:	369579
Ion Ratio	Lower	Upper	
152	100		
151	20.2	16.3	24.5
153	14.2	10.2	15.4





#69

Phenanthrene

Concen: 13.615 ng/ul

RT: 17.90 min Scan# 2433

Delta R.T. 0.00 min

Lab File: BM014762.D

Acq: 20 Apr 2018 13:53

Instrument :

BNA_M

ClientSampled :

C0AC1

Tot Ion:178 Resp: 1230005

Ion Ratio Lower Upper

178 100

179 15.6 12.6 19.0

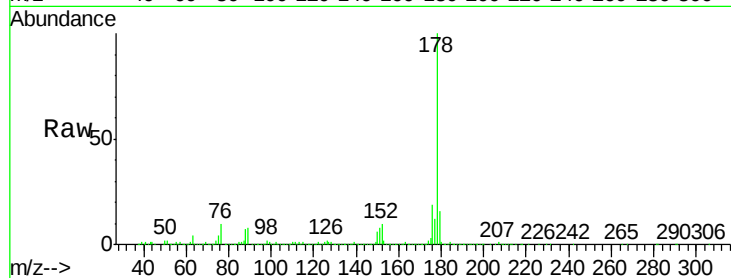
176 18.7 14.9 22.3

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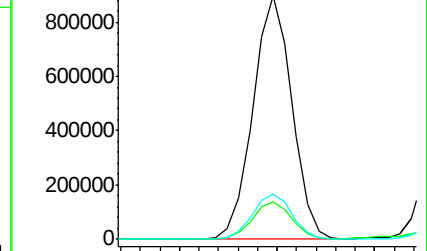
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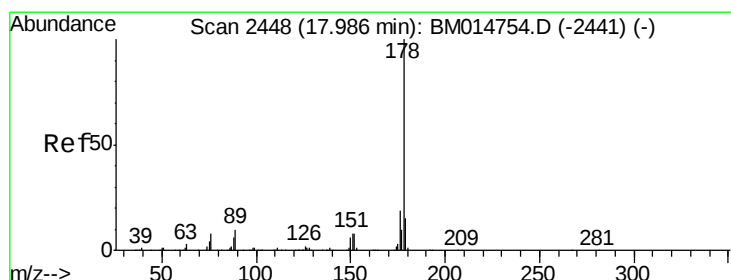
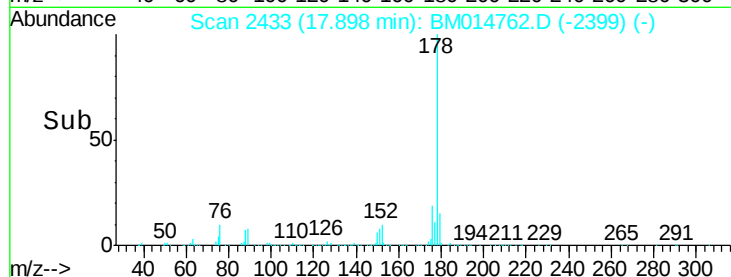
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#71

Anthracene

Concen: 8.162 ng/ul

RT: 17.99 min Scan# 2448

Delta R.T. -0.01 min

Lab File: BM014762.D

Acq: 20 Apr 2018 13:53

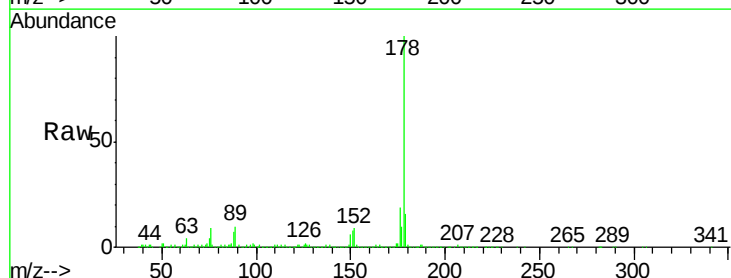
Tgt Ion:178 Resp: 748320

Ion Ratio Lower Upper

178 100

179 15.6 11.7 17.5

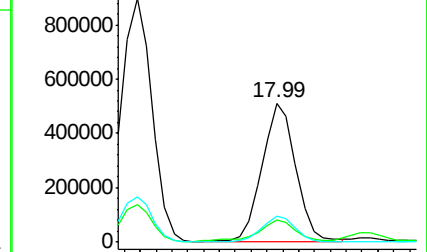
176 18.7 14.6 21.8



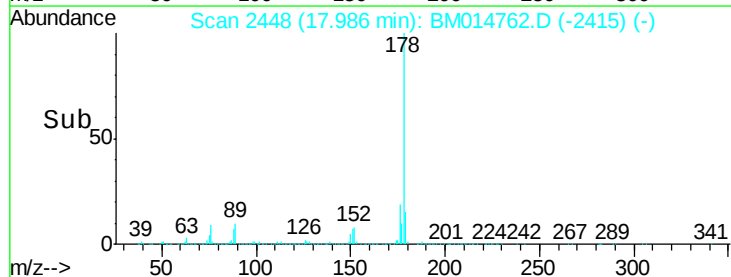
Abundance Ion 178.00 (177.70 to 178.70): E

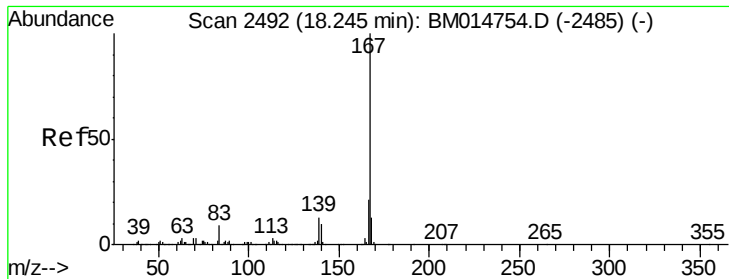
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->





#72

Carbazole

Concen: 1.952 ng/ul

RT: 18.25 min Scan# 2492

Delta R.T. -0.01 min

Lab File: BM014762.D

Acq: 20 Apr 2018 13:53

Instrument :

BNA_M

ClientSampleId :

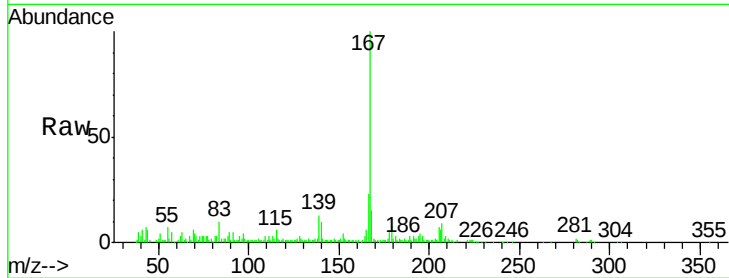
C0AC1

Tot Ion:	167	Resp:	152641
Ion Ratio	Lower	Upper	
167	100		
166	22.6	17.1	25.7
139	13.2	10.0	15.0

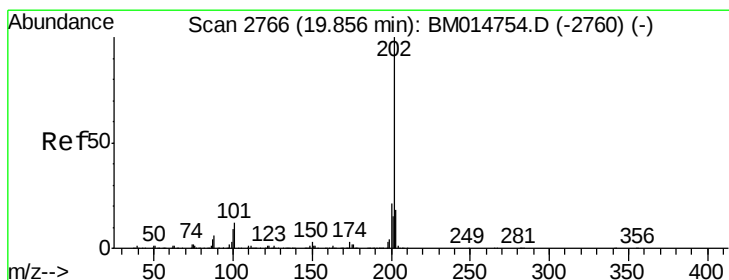
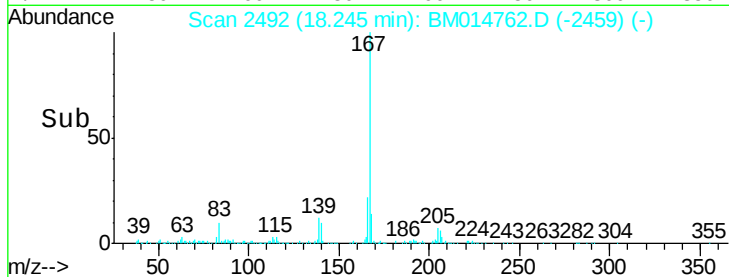
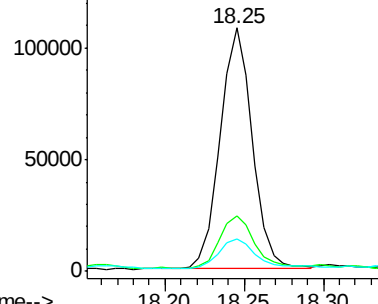
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Abundance Ion 167.00 (166.70 to 167.70): E
150000
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 41.919 ng/ul

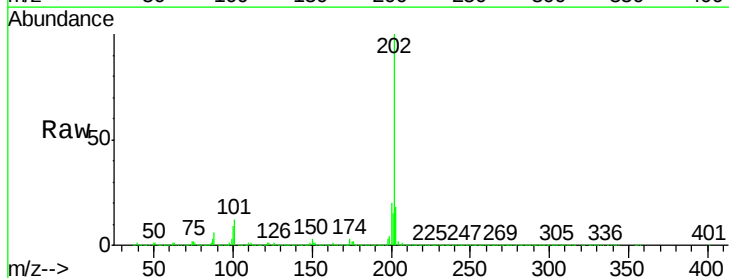
RT: 19.86 min Scan# 2767

Delta R.T. 0.00 min

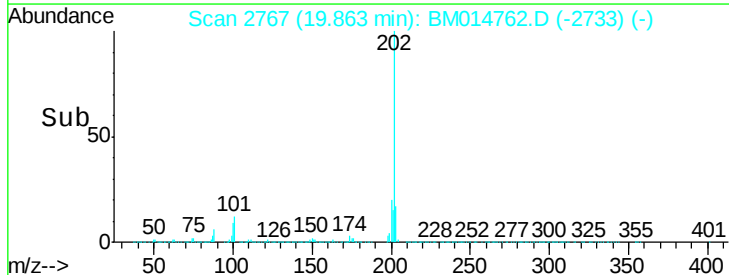
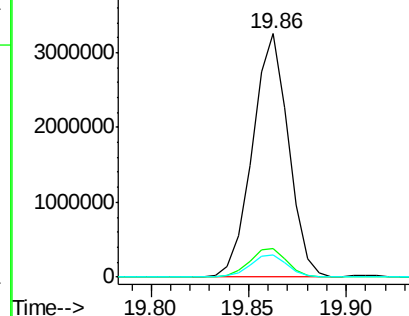
Lab File: BM014762.D

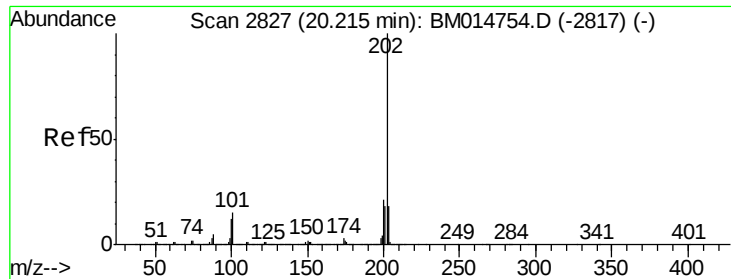
Acq: 20 Apr 2018 13:53

Tgt Ion:	202	Resp:	4128846
Ion Ratio	Lower	Upper	
202	100		
101	11.9	4.6	7.0#
100	9.0	3.4	5.2#



Abundance Ion 202.00 (201.70 to 202.70): E
4000000
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 48.045 ng/ul

RT: 20.22 min Scan# 2828

Delta R.T. 0.00 min

Lab File: BM014762.D

Acq: 20 Apr 2018 13:53

Instrument :

BNA_M

ClientSampleId :

C0AC1

Tot Ion:202 Resp: 4729210

Ion Ratio Lower Upper

202 100

101 13.9 5.1 7.7#

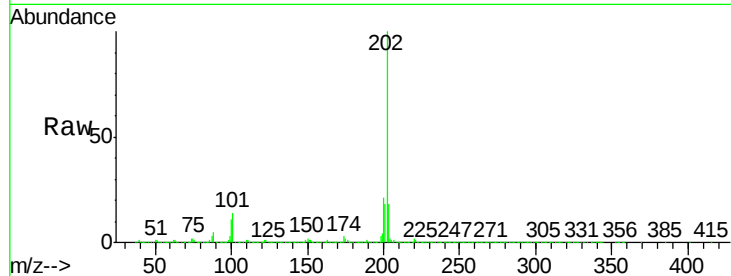
100 11.2 4.9 7.3#

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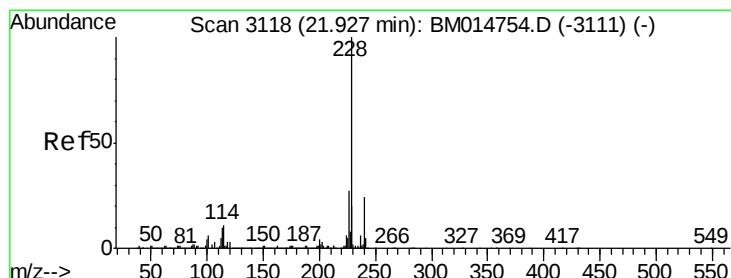
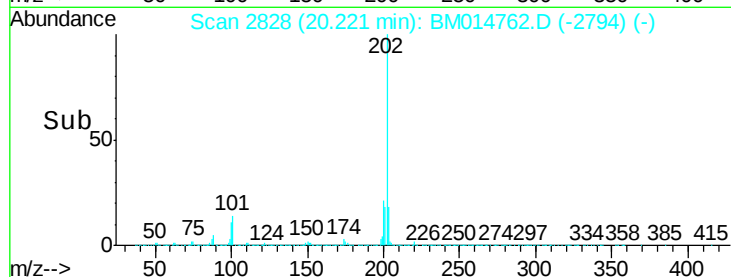
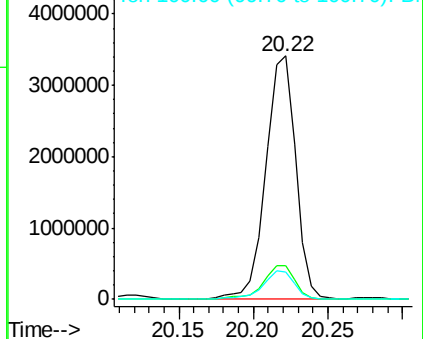
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Benzo(a)anthracene

Concen: 30.018 ng/ul

RT: 21.93 min Scan# 3118

Delta R.T. 0.00 min

Lab File: BM014762.D

Acq: 20 Apr 2018 13:53

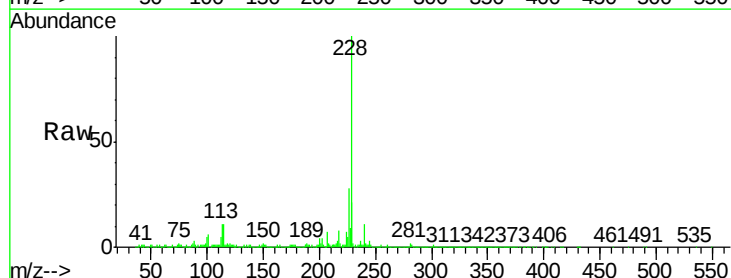
Tgt Ion:228 Resp: 2957287

Ion Ratio Lower Upper

228 100

229 21.4 15.4 23.0

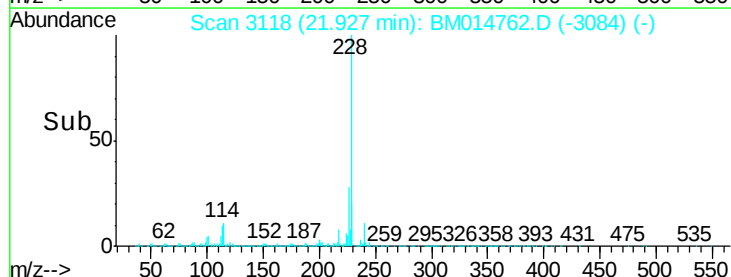
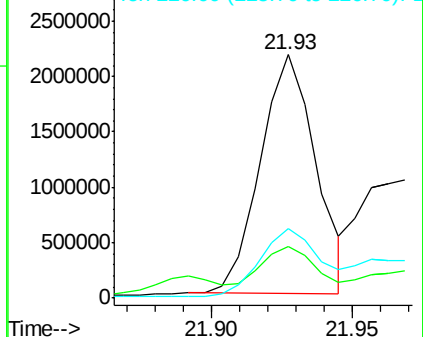
226 28.4 21.4 32.0

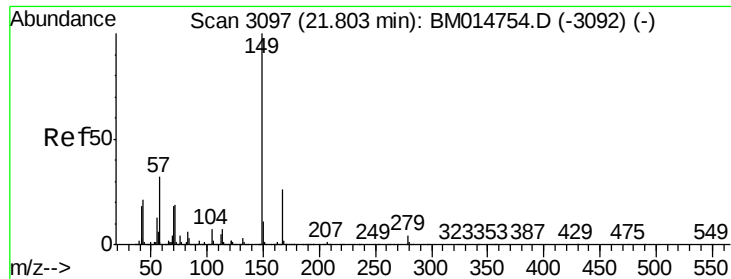


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#81
 Bis(2-ethylhexyl)phthalate
 Concen: 2.683 ng/ul
 RT: 21.80 min Scan# 3097
 Delta R.T. -0.01 min
 Lab File: BM014762.D
 Acq: 20 Apr 2018 13:53

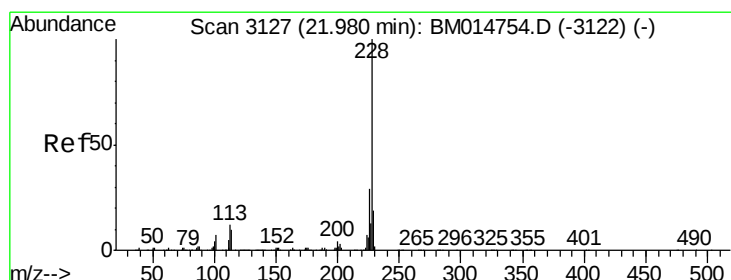
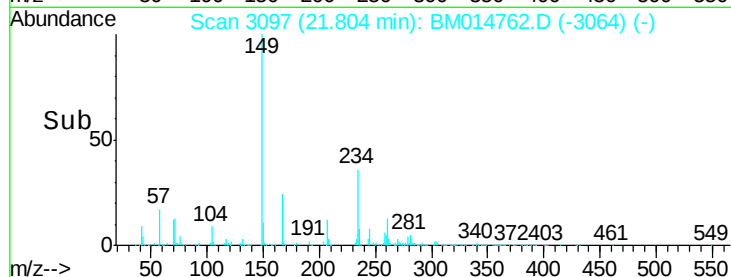
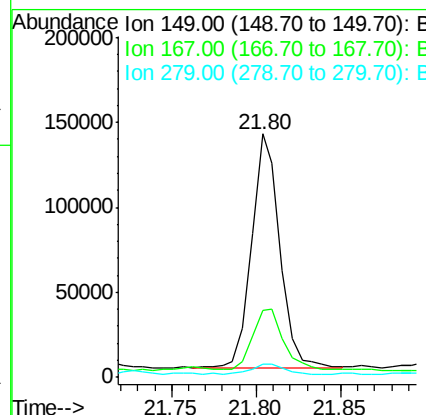
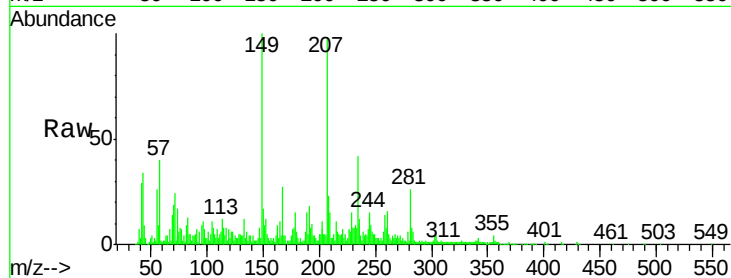
Instrument :
 BNA_M
 ClientSampleId :
 C0AC1

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.3	22.8	34.2
279	5.5	4.9	7.3

Manual Integrations
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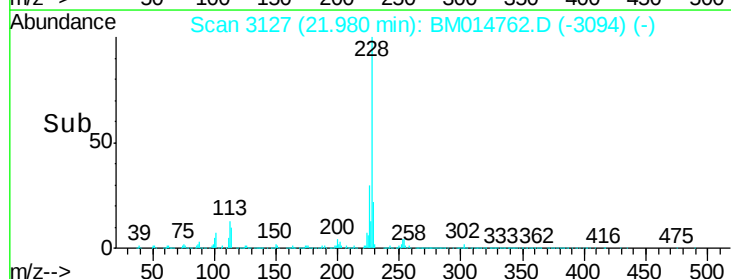
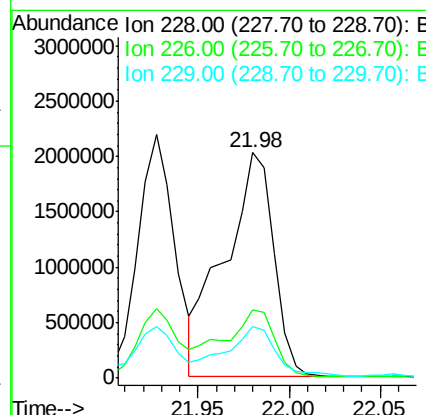
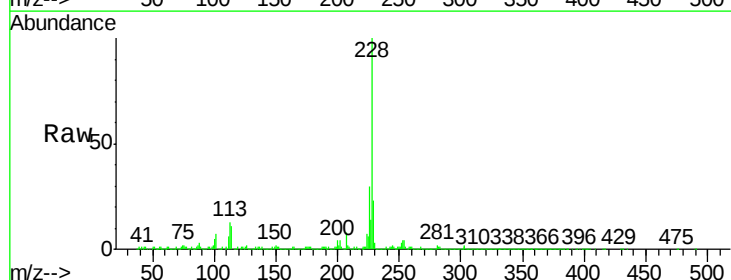
Sohil
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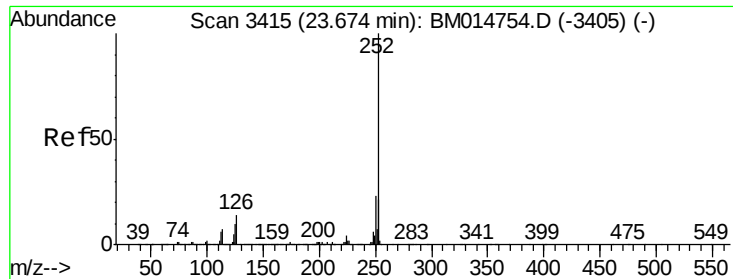
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#82
 Chrysene
 Concen: 41.554 ng/ul m
 RT: 21.98 min Scan# 3127
 Delta R.T. -0.01 min
 Lab File: BM014762.D
 Acq: 20 Apr 2018 13:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.4	35.2
229	22.9	15.5	23.3





#85
Benzo(b)fluoranthene
Concen: 68.575 ng/ul
RT: 23.69 min Scan# 3417
Delta R.T. 0.01 min
Lab File: BM014762.D
Acq: 20 Apr 2018 13:53

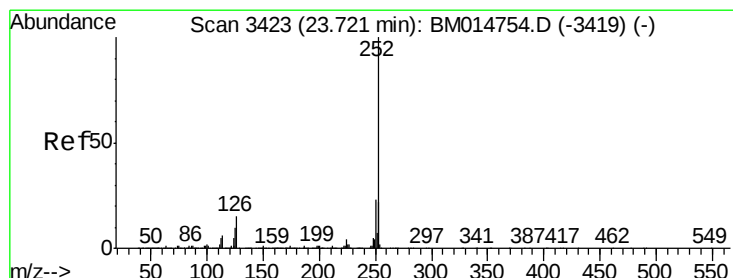
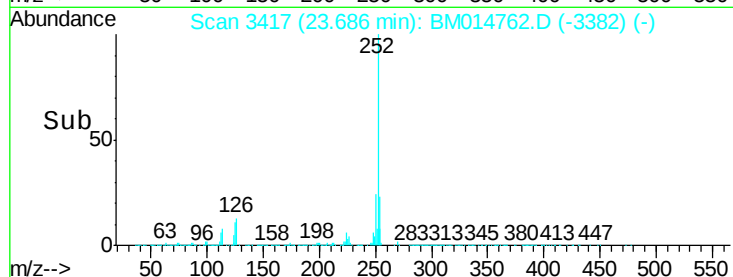
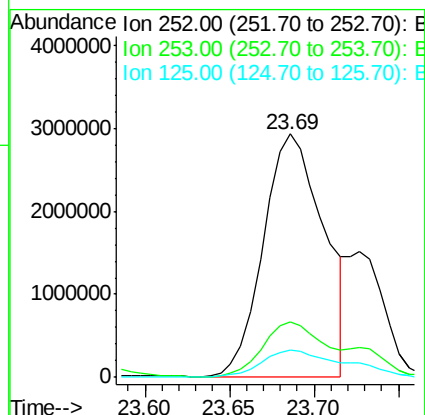
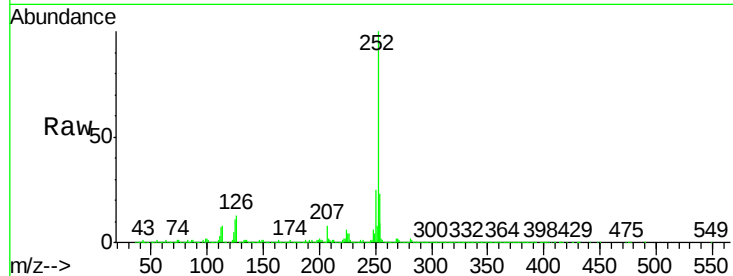
Instrument :
BNA_M
ClientSampleId :
C0AC1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	11.0	3.6	5.4

Manual Integrations
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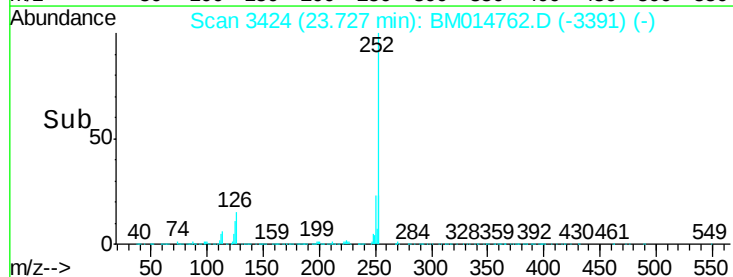
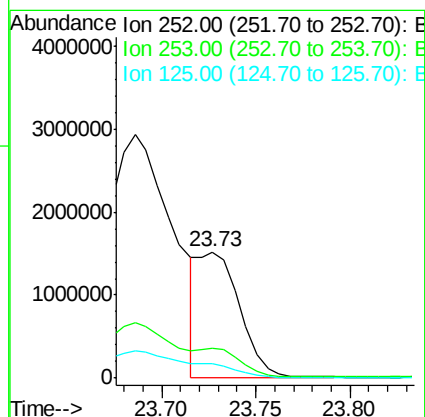
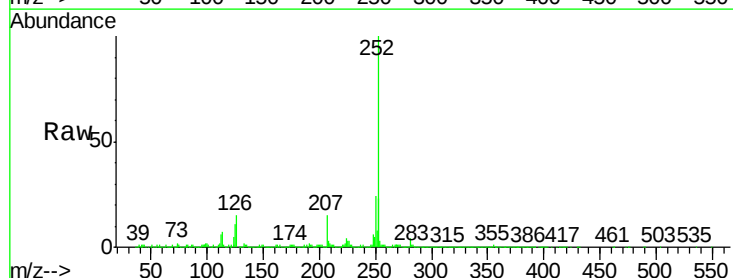
Sohil
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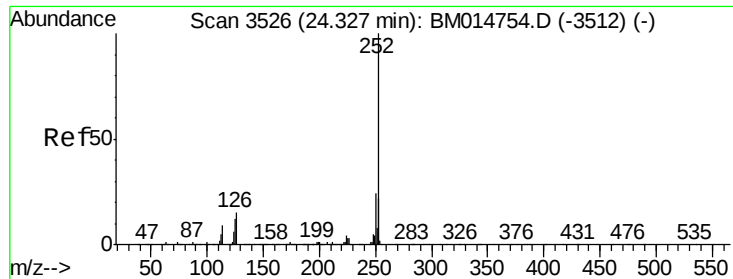
4/23/2018 3:40:26 PM



#86
Benzo(k)fluoranthene
Concen: 22.507 ng/ul m
RT: 23.73 min Scan# 3424
Delta R.T. -0.01 min
Lab File: BM014762.D
Acq: 20 Apr 2018 13:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	11.0	3.4	5.2





#88
Benzo(a)pyrene
Concen: 34.619 ng/ul
RT: 24.34 min Scan# 3528
Delta R.T. 0.00 min
Lab File: BM014762.D
Acq: 20 Apr 2018 13:53

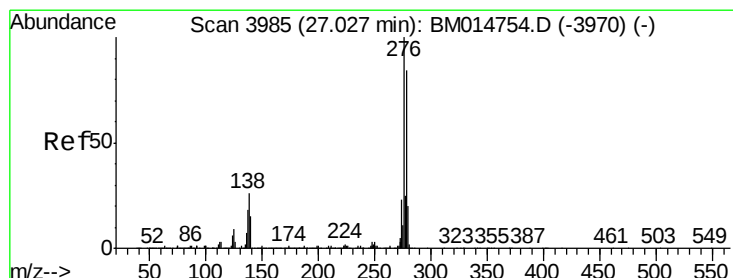
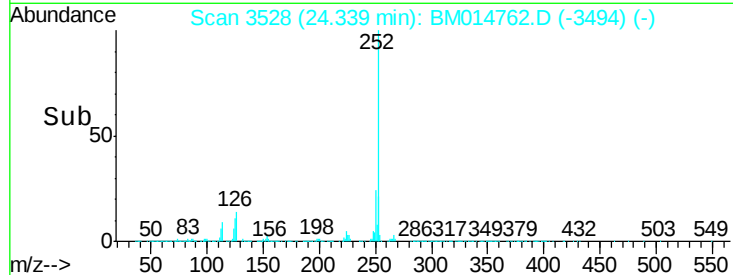
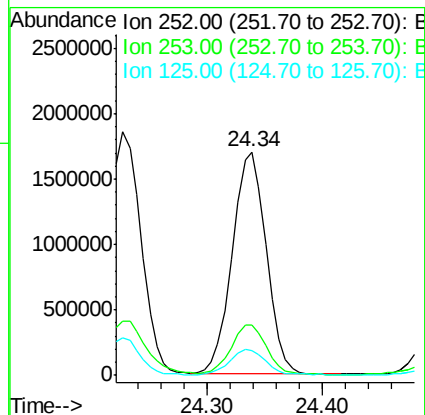
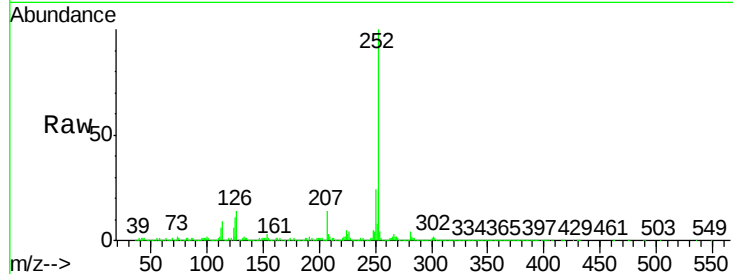
Instrument :
BNA_M
ClientSampled :
C0AC1

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	11.3	4.0	6.0

Manual Integrations
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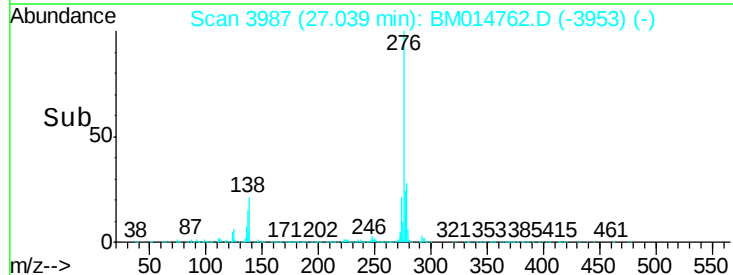
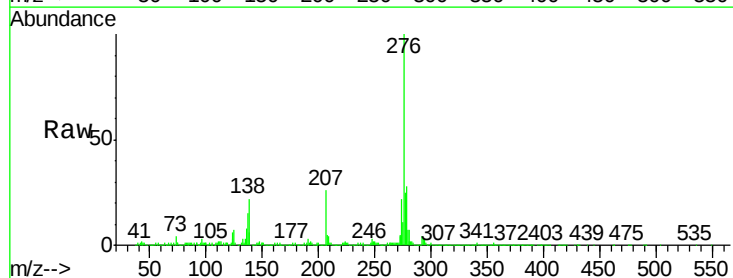
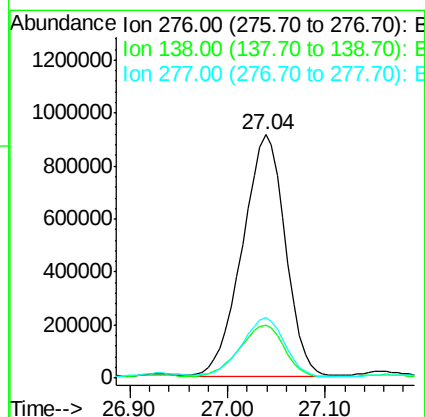
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4/23/2018 3:40:26 PM

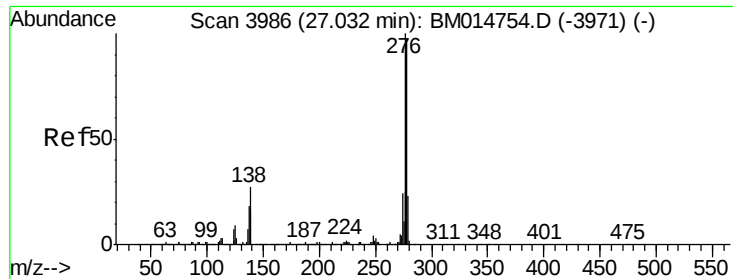
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#89
Indeno(1,2,3-cd)pyrene
Concen: 23.068 ng/ul
RT: 27.04 min Scan# 3987
Delta R.T. 0.00 min
Lab File: BM014762.D
Acq: 20 Apr 2018 13:53

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.8	9.3	13.9
277	24.9	19.9	29.9





#90
Dibenzo(a,h)anthracene
Concen: 8.861 ng/ul
RT: 27.04 min Scan# 3987
Delta R.T. -0.01 min
Lab File: BM014762.D
Acq: 20 Apr 2018 13:53

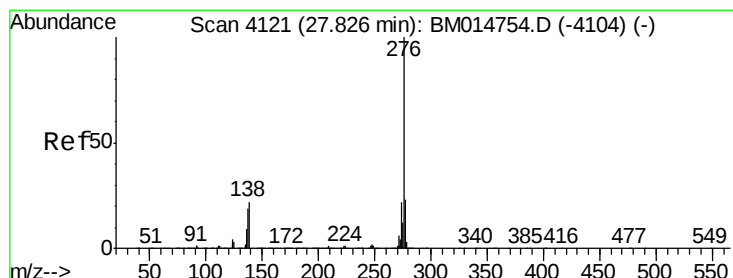
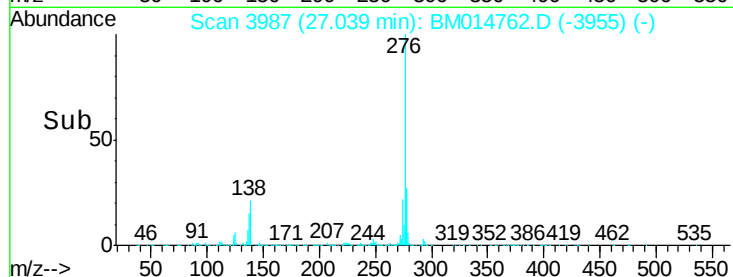
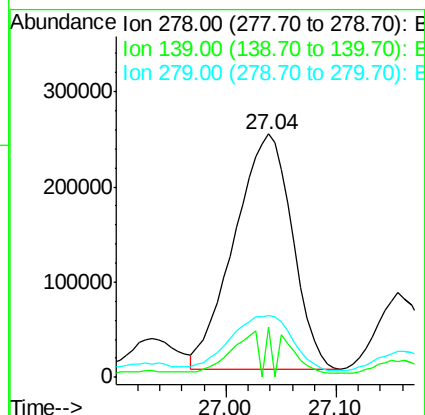
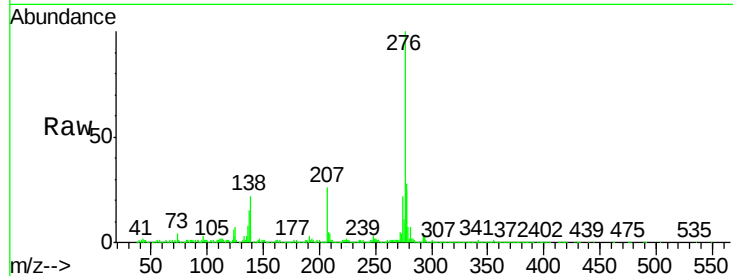
Instrument :
BNA_M
ClientSampleId :
C0AC1

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.7	5.8	8.8#
279	25.5	18.6	27.8

Manual Integrations
APPROVED

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#91
Benzo(g,h,i)perylene
Concen: 25.537 ng/ul
RT: 27.84 min Scan# 4124
Delta R.T. 0.01 min
Lab File: BM014762.D
Acq: 20 Apr 2018 13:53

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.1	8.5	12.7#
277	23.9	18.6	28.0

