

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042418\
 Data File : BM014828.D
 Acq On : 25 Apr 2018 02:18
 Operator : SJ/JU
 Sample : J2431-15DL 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DASP6DL

Manual Integrations
 APPROVED

Sohil
 4/25/2018 4:31:19 PM

Quant Time: Apr 25 04:50:59 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Apr 25 02:07:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.52	152	441003	20.00	ng/ul	0.00
18) Naphthalene-d8	11.37	136	2046942	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.13	164	1196582	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.84	188	2688901	20.00	ng/ul	0.00
75) Chrysene-d12	21.93	240	2911862	20.00	ng/ul	0.00
83) Perylene-d12	24.42	264	2569703	20.00	ng/ul	0.00

Sohil

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.66	96	4482	0.44	ng/uL	0.00
5) Phenol-d5	7.64	99	80938	2.37	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.82	67	68515	3.13	ng/ul	0.00
9) 2-Chlorophenol-d4	8.04	132	64245	2.25	ng/ul	0.00
13) 4-Methylphenol-d8	9.22	113	60457	2.22	ng/ul	0.00
19) Nitrobenzene-d5	9.70	128	31069	2.10	ng/ul	0.00
22) 2-Nitrophenol-d4	10.43	143	28134	1.91	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.97	165	59859	2.00	ng/ul	0.00
29) 4-Chloroaniline-d4	11.49	131	88430	2.99	ng/ul	0.00
43) Dimethylphthalate-d6	14.52	166	215980	2.31	ng/ul	0.00
46) Acenaphthylene-d8	14.83	160	231433	2.01	ng/ul	0.00
51) 4-Nitrophenol-d4	15.28	143	21201	1.22	ng/ul	0.00
57) Fluorene-d10	16.10	176	200483	2.47	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.21	200	13501	0.93	ng/ul	0.00
70) Anthracene-d10	17.94	188	294704	2.35	ng/ul	0.01
76) Pyrene-d10	20.17	212	343921	2.50	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.25	264	316401	2.51	ng/ul	0.00

4/25/2018 4:31:19 PM

Target Compounds

					Ovalue	
28) Naphthalene	11.42	128	122816	1.231	ng/ul#	93
34) 2-Methylnaphthalene	12.99	142	600230	8.665	ng/ul	99
40) 1,1'-Biphenyl	13.97	154	706617	7.344	ng/ul#	97
47) Acenaphthylene	14.85	152	199333	1.784	ng/ul#	84
49) Acenaphthene	15.19	153	4227455	53.233	ng/ul	99
53) Dibenzofuran	15.52	168	5919535	53.679	ng/ul	99
58) Fluorene	16.16	166	9822094	110.304	ng/ul	98
69) Phenanthrene	17.88	178	28362493m	196.409	ng/ul	
71) Anthracene	17.98	178	11462462	78.214	ng/ul	95
72) Carbazole	18.23	167	243840	1.950	ng/ul#	93
74) Fluoranthene	19.84	202	21628056m	137.373	ng/ul	
77) Pyrene	20.20	202	19336199m	113.653	ng/ul	
78) Butylbenzylphthalate	21.04	149	214906	3.096	ng/ul	91
80) Benzo(a)anthracene	21.92	228	9277532	54.484	ng/ul	96
81) Bis(2-ethylhexyl)phthalate	21.79	149	2702928	26.530	ng/ul#	98
82) Chrysene	21.97	228	6872300	43.111	ng/ul	95
85) Benzo(b)fluoranthene	23.66	252	4891256	32.289	ng/ul#	96
86) Benzo(k)fluoranthene	23.70	252	1918097m	13.168	ng/ul	
88) Benzo(a)pyrene	24.30	252	3139192	21.846	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	26.99	276	895996	5.154	ng/ul#	91
90) Dibenzo(a,h)anthracene	26.99	278	262971	1.797	ng/ul#	85
91) Benzo(a,h,i)perylene	27.78	276	695991	4.867	ng/ul#	89

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042418\
Data File : BM014828.D
Acq On : 25 Apr 2018 02:18
Operator : SJ/JU
Sample : J2431-15DL 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DASP6DL

Manual Integrations
APPROVED

Sohil
4/25/2018 4:31:19 PM

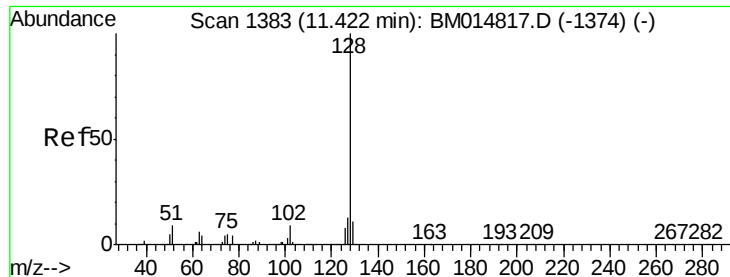
Quant Time: Apr 25 04:50:59 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Apr 25 02:07:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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

Sohil

4/25/2018 4:31:19 PM



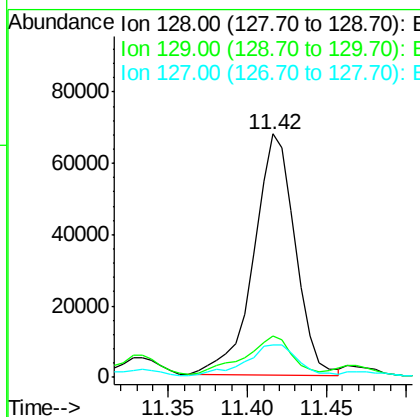
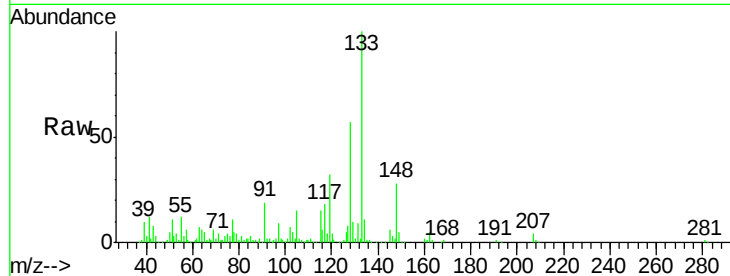
#28
Naphthalene
Concen: 1.231 ng/ul
RT: 11.42 min Scan# 1382
Delta R.T. -0.01 min
Lab File: BM014828.D
Acq: 25 Apr 2018 02:18

Instrument :
BNA_M
ClientSampled :
DASP6DL

Tot Ion	Ratio	Resp	Lower	Upper
128	100	122816		
129	16.8	8.8	13.2	
127	13.3	10.6	16.0	

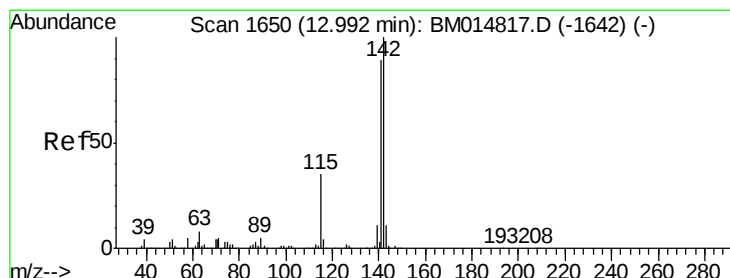
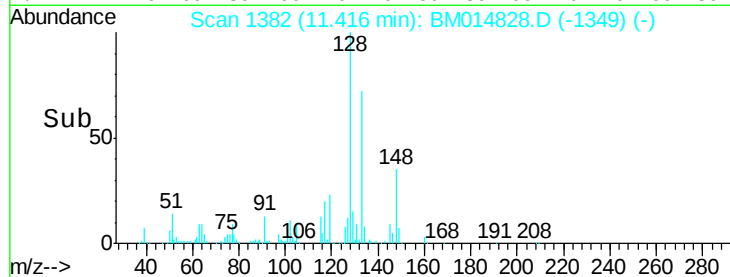
Manual Integrations
APPROVED

Sohil
4/25/2018 4:31:19 PM



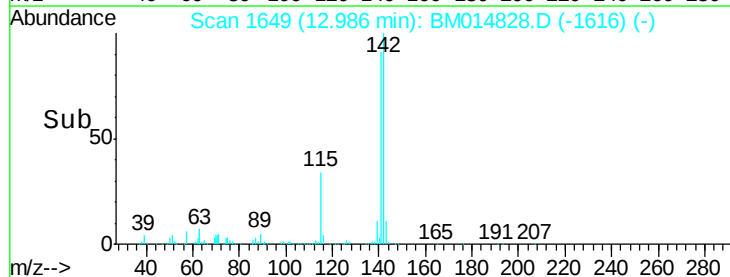
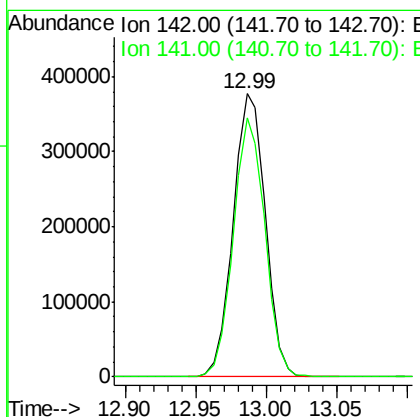
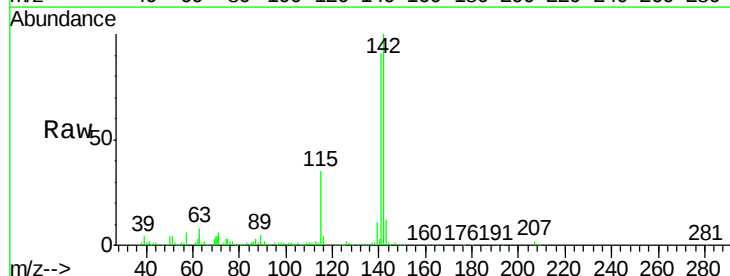
Sohil

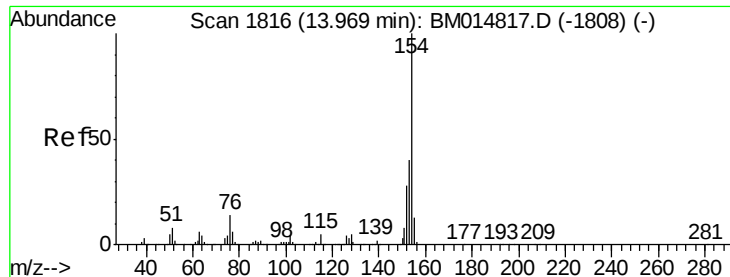
4/25/2018 4:31:19 PM



#34
2-Methylnaphthalene
Concen: 8.665 ng/ul
RT: 12.99 min Scan# 1649
Delta R.T. -0.01 min
Lab File: BM014828.D
Acq: 25 Apr 2018 02:18

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	600230		
141	91.5	74.1	111.1	





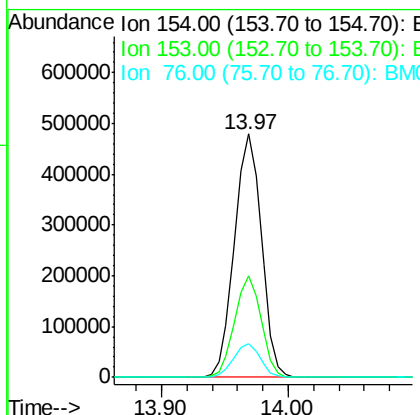
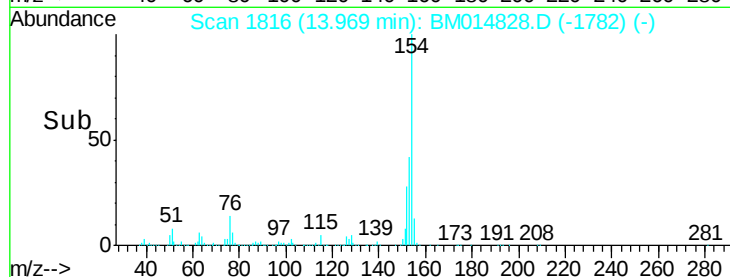
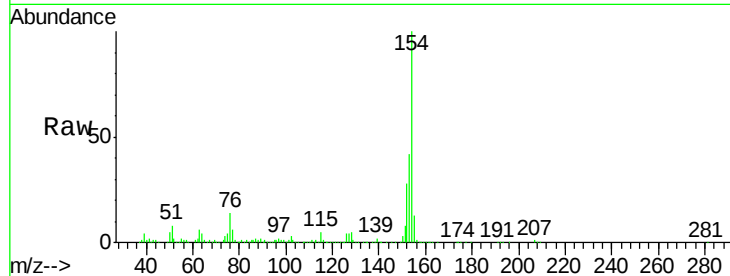
#40
 1,1'-Biphenyl
 Concen: 7.344 ng/ul
 RT: 13.97 min Scan# 1816
 Delta R.T. 0.00 min
 Lab File: BM014828.D
 Acq: 25 Apr 2018 02:18

Instrument :
 BNA_M
 ClientSampled :
 DASP6DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	41.5	32.6	48.8
76	13.8	8.5	12.7

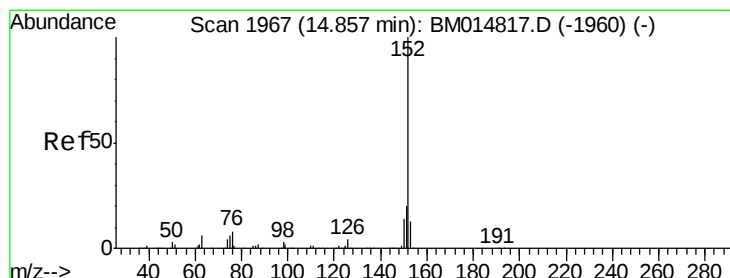
Manual Integrations
 APPROVED

Sohil
 4/25/2018 4:31:19 PM



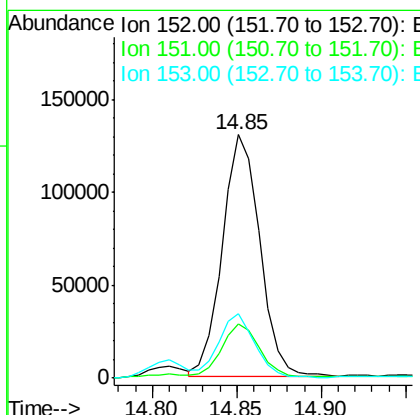
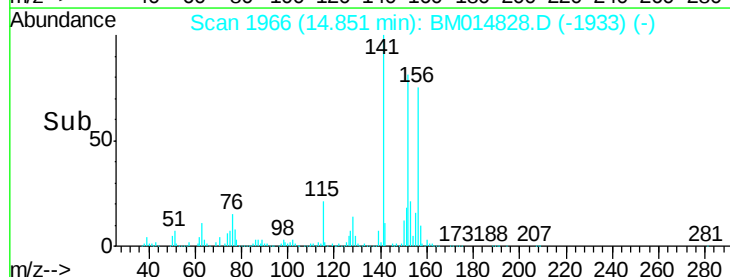
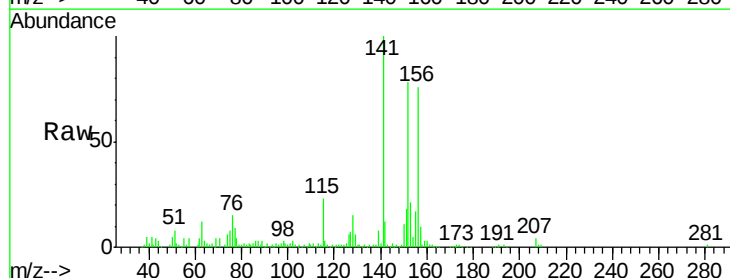
Sohil

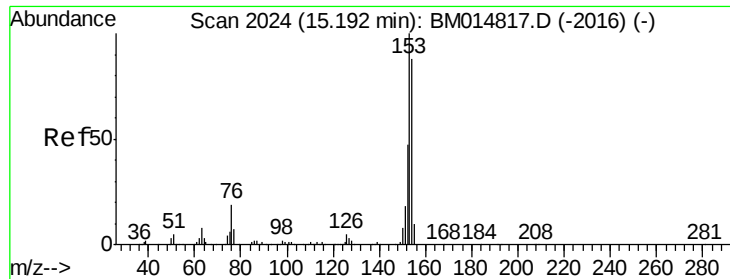
4/25/2018 4:31:19 PM



#47
 Acenaphthylene
 Concen: 1.784 ng/ul
 RT: 14.85 min Scan# 1966
 Delta R.T. -0.01 min
 Lab File: BM014828.D
 Acq: 25 Apr 2018 02:18

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.5	16.3	24.5
153	26.5	10.2	15.4





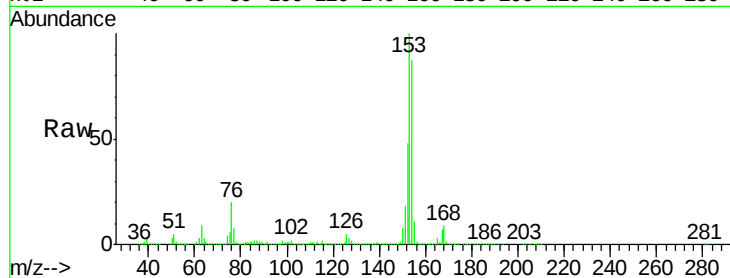
#49
Acenaphthene
Concen: 53.233 ng/ul
RT: 15.19 min Scan# 2024
Delta R.T. 0.00 min
Lab File: BM014828.D
Acq: 25 Apr 2018 02:18

Instrument :
BNA_M
ClientSampleID :
DASP6DL

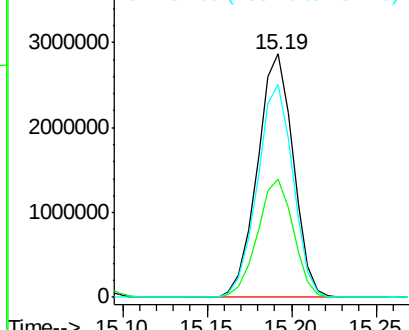
Tot Ion:153 Resp: 4227455
Ion Ratio Lower Upper
153 100
152 48.5 37.6 56.4
154 87.3 70.4 105.6

Manual Integrations
APPROVED

Sohil
4/25/2018 4:31:19 PM

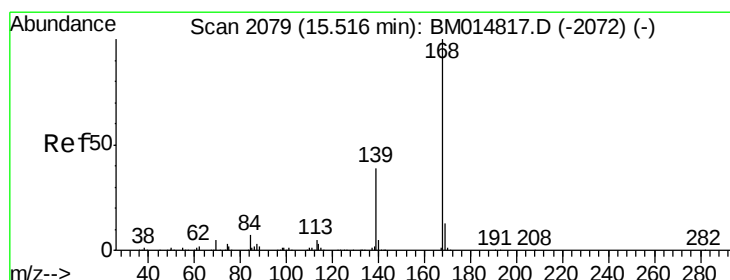
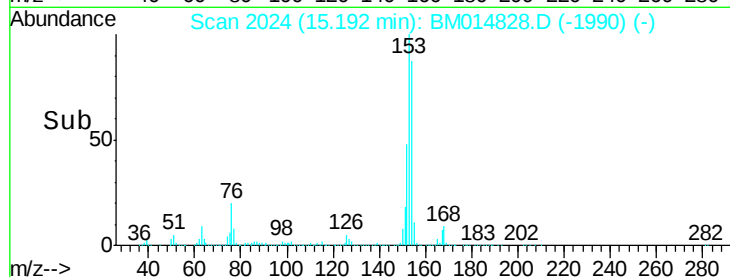


Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



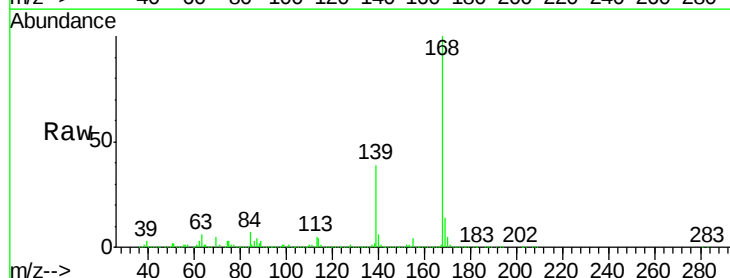
Sohil

4/25/2018 4:31:19 PM

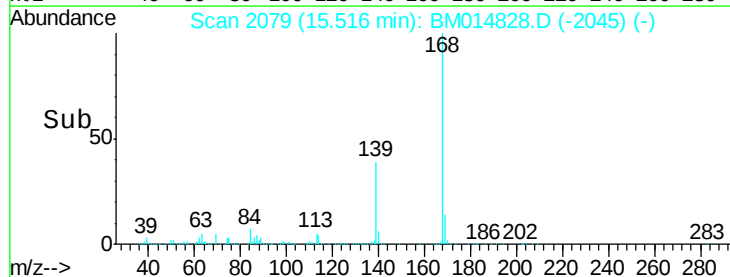
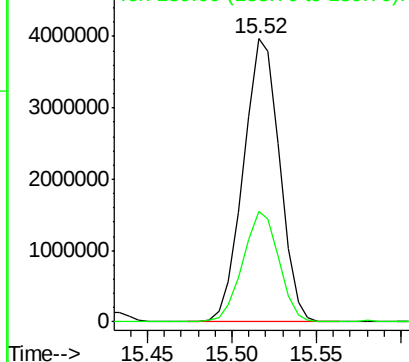


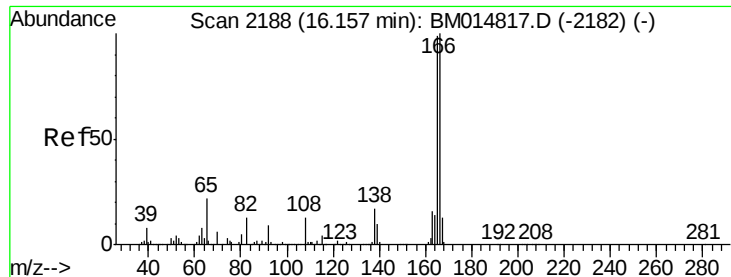
#53
Dibenzofuran
Concen: 53.679 ng/ul
RT: 15.52 min Scan# 2079
Delta R.T. 0.00 min
Lab File: BM014828.D
Acq: 25 Apr 2018 02:18

Tgt Ion:168 Resp: 5919535
Ion Ratio Lower Upper
168 100
139 39.2 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 110.304 ng/ul

RT: 16.16 min Scan# 2189

Delta R.T. 0.01 min

Lab File: BM014828.D

Acq: 25 Apr 2018 02:18

Instrument :

BNA_M

ClientSampleID :

DASP6DL

Tot Ion:166 Resp: 9822094

Ion Ratio Lower Upper

166 100

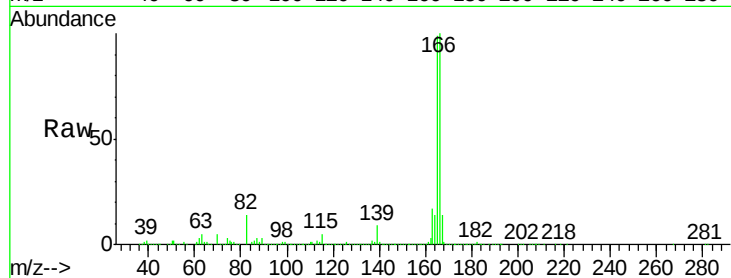
165 98.8 77.9 116.9

167 14.5 10.6 16.0

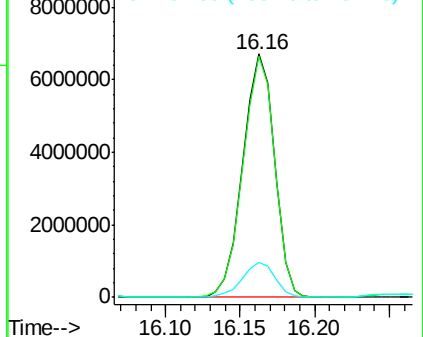
Manual Integrations
APPROVED

Sohil

4/25/2018 4:31:19 PM

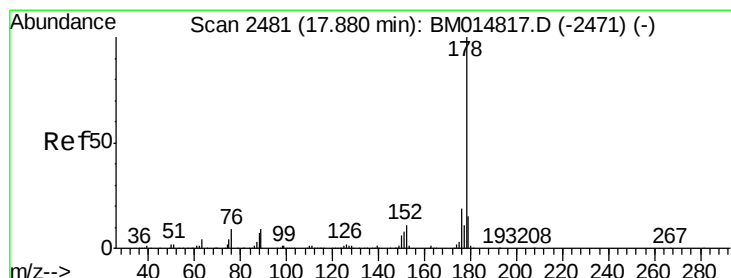
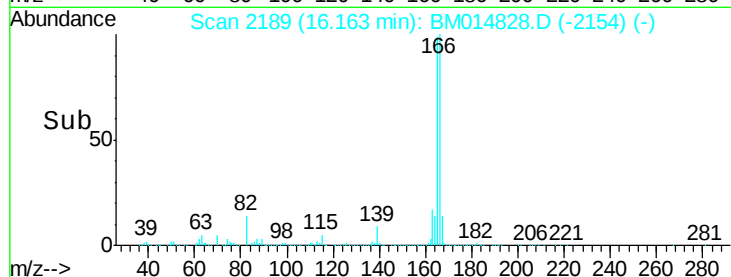


Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



Sohil

4/25/2018 4:31:19 PM



#69

Phenanthrene

Concen: 196.409 ng/ul m

RT: 17.88 min Scan# 2481

Delta R.T. 0.00 min

Lab File: BM014828.D

Acq: 25 Apr 2018 02:18

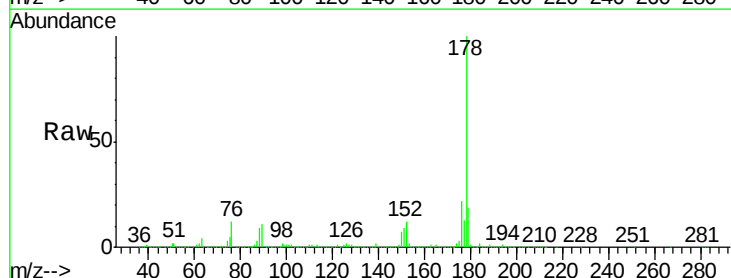
Tgt Ion:178 Resp:28362493

Ion Ratio Lower Upper

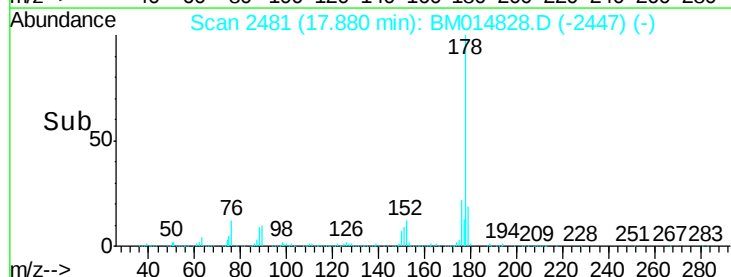
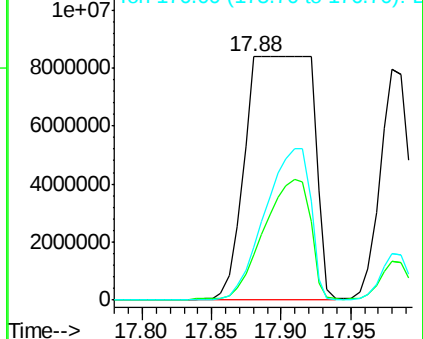
178 100

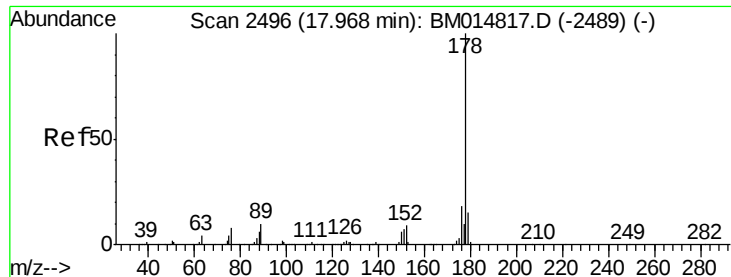
179 18.6 12.6 19.0

176 21.7 14.9 22.3



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





#71
 Anthracene
 Concen: 78.214 ng/ul
 RT: 17.98 min Scan# 2498
 Delta R.T. 0.01 min
 Lab File: BM014828.D
 Acq: 25 Apr 2018 02:18

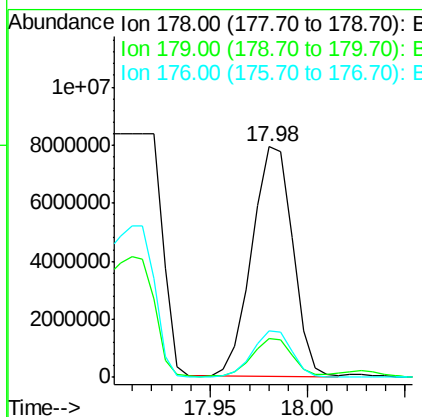
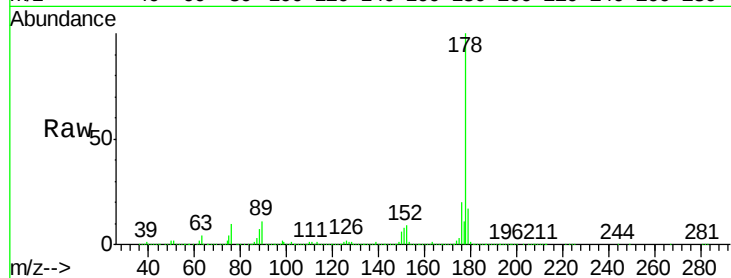
Instrument :
 BNA_M
 ClientSampleId :
 DASP6DL

Tot Ion:178 Resp:11462462

Ion	Ratio	Lower	Upper
178	100		
179	16.9	11.7	17.5
176	20.1	14.6	21.8

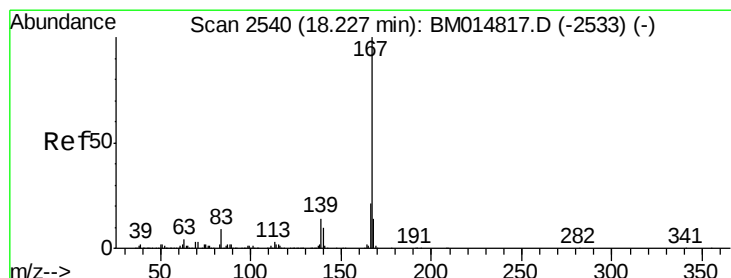
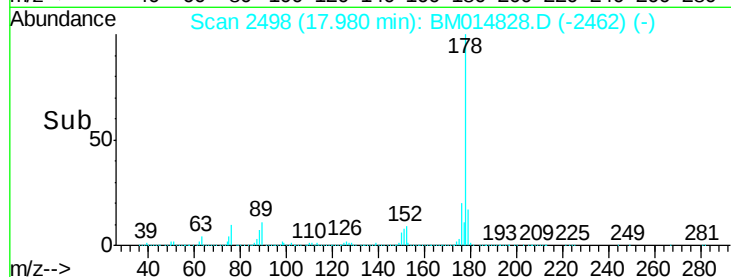
Manual Integrations
 APPROVED

Sohil
 4/25/2018 4:31:19 PM



Sohil

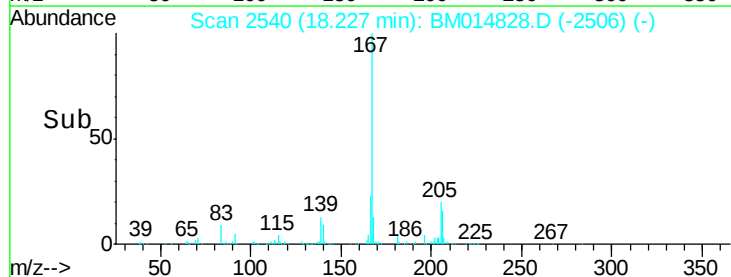
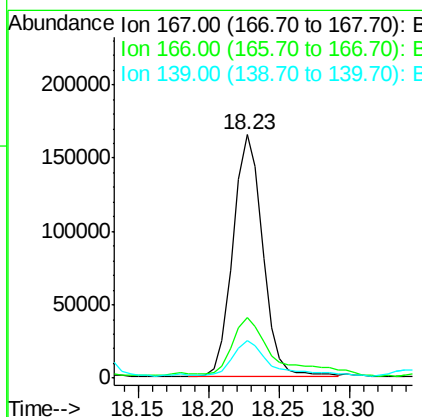
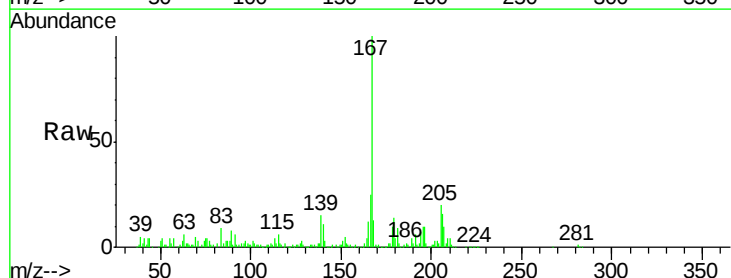
4/25/2018 4:31:19 PM

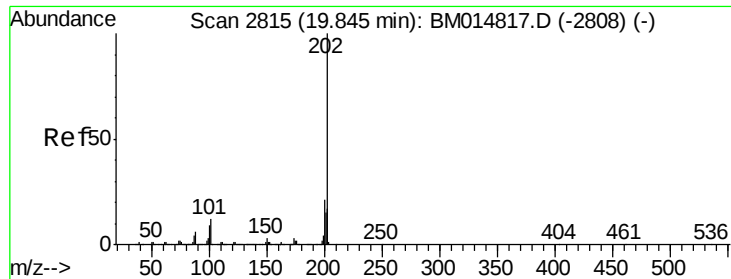


#72
 Carbazole
 Concen: 1.950 ng/ul
 RT: 18.23 min Scan# 2540
 Delta R.T. 0.00 min
 Lab File: BM014828.D
 Acq: 25 Apr 2018 02:18

Tgt Ion:167 Resp: 243840

Ion	Ratio	Lower	Upper
167	100		
166	25.0	17.1	25.7
139	15.3	10.0	15.0#





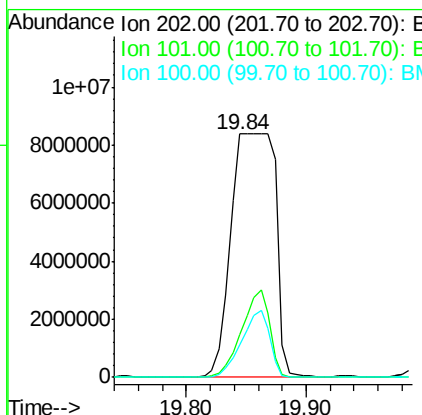
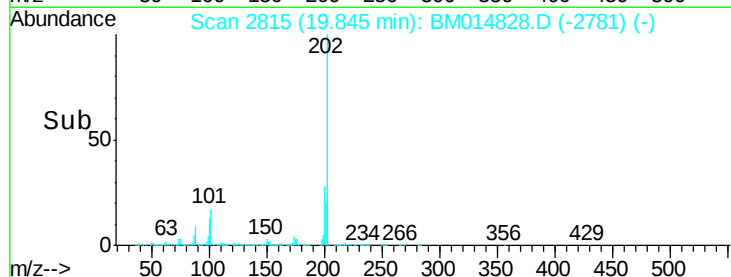
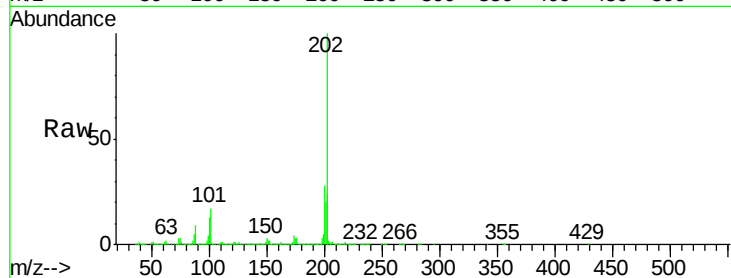
#74
 Fluoranthene
 Concen: 137.373 ng/ul m
 RT: 19.84 min Scan# 2815
 Delta R.T. 0.00 min
 Lab File: BM014828.D
 Acq: 25 Apr 2018 02:18

Instrument :
 BNA_M
 ClientSampleId :
 DASP6DL

Tot Ion:202 Resp:21628056
 Ion Ratio Lower Upper
 202 100
 101 17.5 4.6 7.0#
 100 13.4 3.4 5.2#

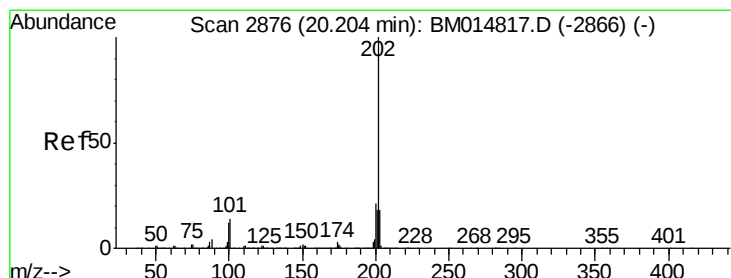
Manual Integrations
 APPROVED

Sohil
 4/25/2018 4:31:19 PM



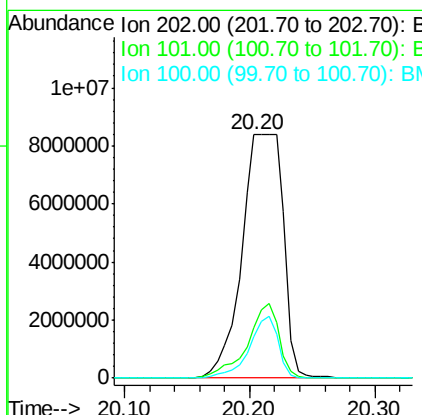
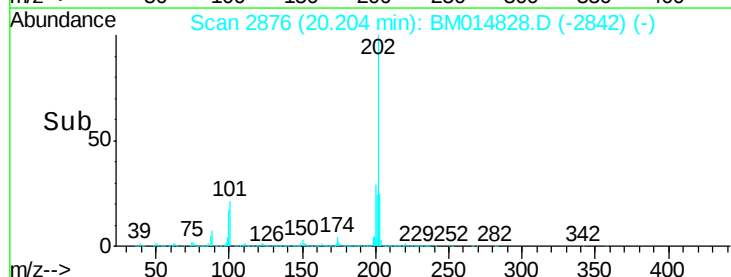
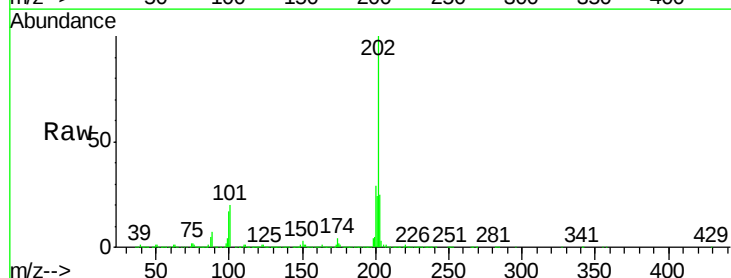
Sohil

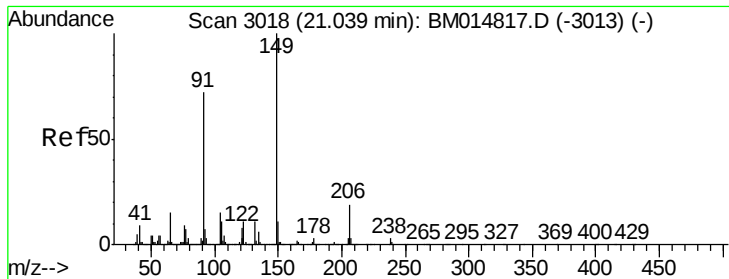
4/25/2018 4:31:19 PM



#77
 Pyrene
 Concen: 113.653 ng/ul m
 RT: 20.20 min Scan# 2876
 Delta R.T. 0.00 min
 Lab File: BM014828.D
 Acq: 25 Apr 2018 02:18

Tgt Ion:202 Resp:19336199
 Ion Ratio Lower Upper
 202 100
 101 20.4 5.1 7.7#
 100 17.0 4.9 7.3#





#78

Butylbenzylphthalate

Concen: 3.096 ng/ul

RT: 21.04 min Scan# 3018

Delta R.T. 0.00 min

Lab File: BM014828.D

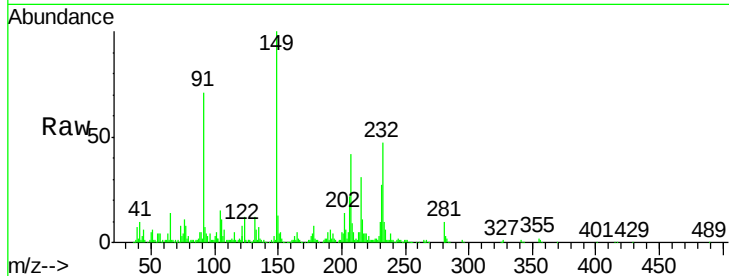
Acq: 25 Apr 2018 02:18

Instrument :

BNA_M

ClientSampled :

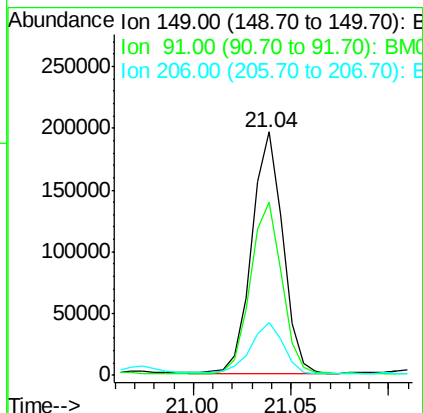
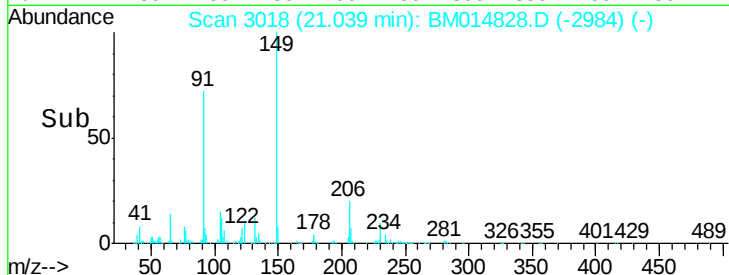
DASP6DL



Tot Ion:	149	Resp:	214906
Ion Ratio	Lower	Upper	
149	100		
91	71.1	62.7	94.1
206	21.5	20.8	31.2

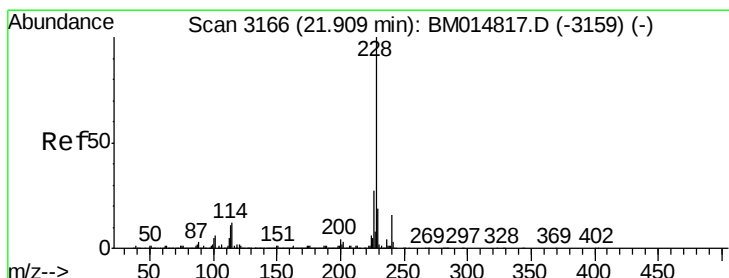
Manual Integrations
APPROVED

Sohil
4/25/2018 4:31:19 PM



Sohil

4/25/2018 4:31:19 PM



#80

Benzo(a)anthracene

Concen: 54.484 ng/ul

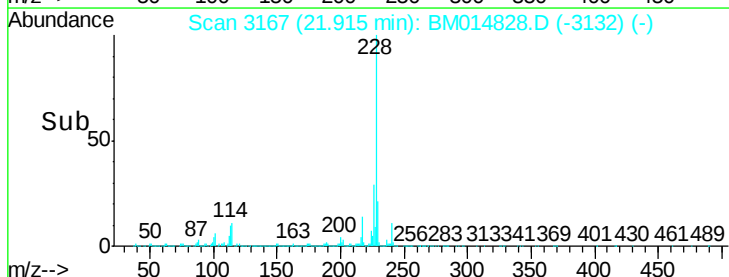
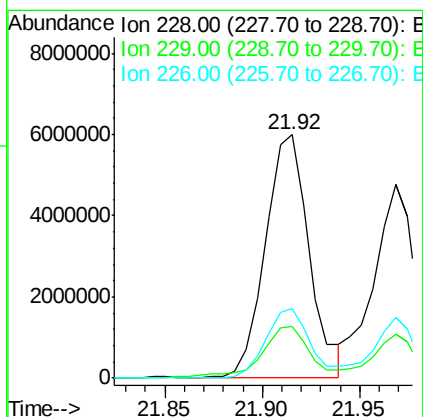
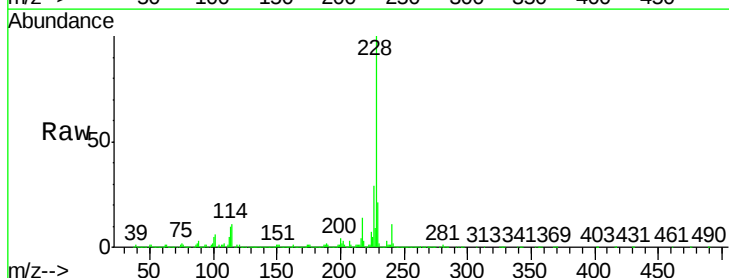
RT: 21.92 min Scan# 3167

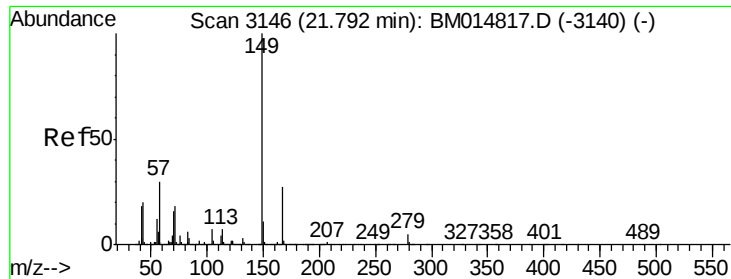
Delta R.T. 0.01 min

Lab File: BM014828.D

Acq: 25 Apr 2018 02:18

Tgt Ion:	228	Resp:	9277532
Ion Ratio	Lower	Upper	
228	100		
229	21.2	15.4	23.0
226	28.7	21.4	32.0





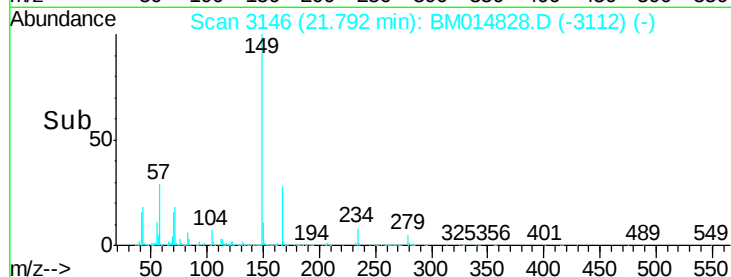
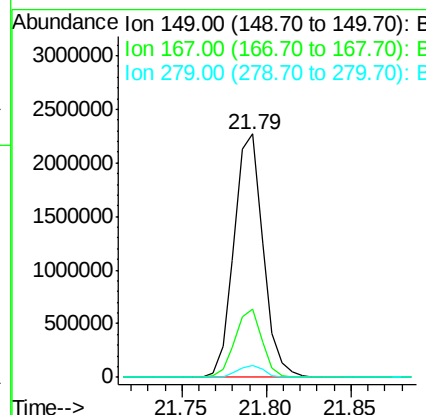
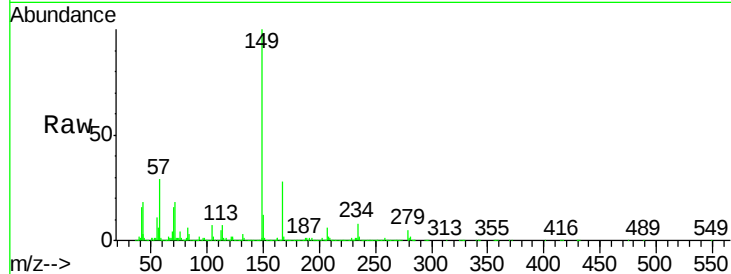
#81
Bis(2-ethylhexyl)phthalate
Concen: 26.530 ng/ul
RT: 21.79 min Scan# 3146
Delta R.T. 0.00 min
Lab File: BM014828.D
Acq: 25 Apr 2018 02:18

Instrument :
BNA_M
ClientSampleID :
DASP6DL

Tot Ion:149 Resp: 2702928
Ion Ratio Lower Upper
149 100
167 27.8 22.8 34.2
279 4.9 4.9 7.3#

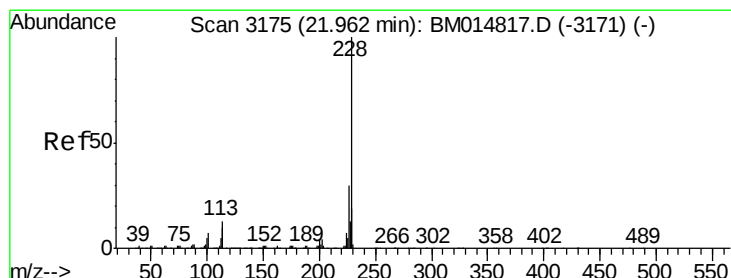
Manual Integrations
APPROVED

Sohil
4/25/2018 4:31:19 PM



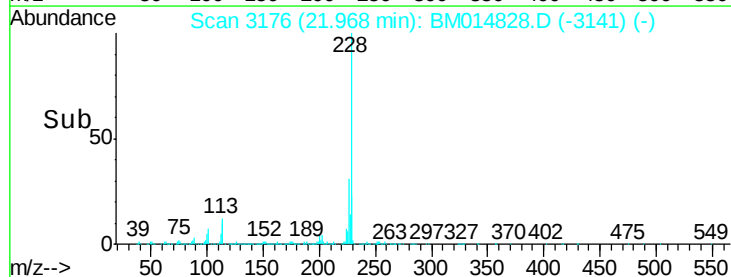
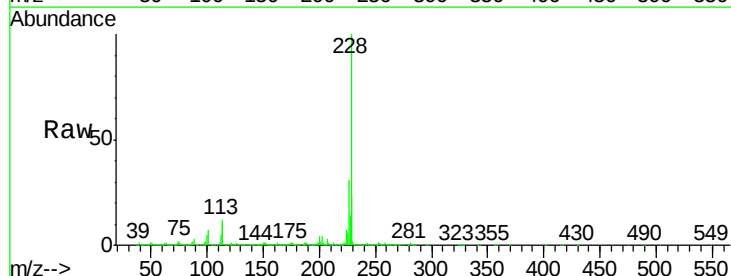
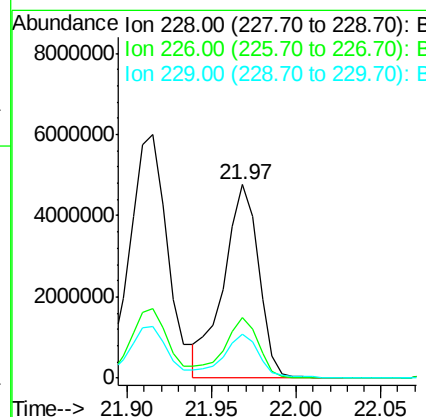
Sohil

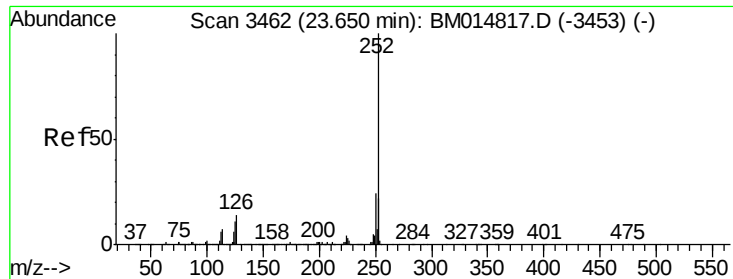
4/25/2018 4:31:19 PM



#82
Chrysene
Concen: 43.111 ng/ul
RT: 21.97 min Scan# 3176
Delta R.T. 0.01 min
Lab File: BM014828.D
Acq: 25 Apr 2018 02:18

Tgt Ion:228 Resp: 6872300
Ion Ratio Lower Upper
228 100
226 31.1 23.4 35.2
229 22.8 15.5 23.3





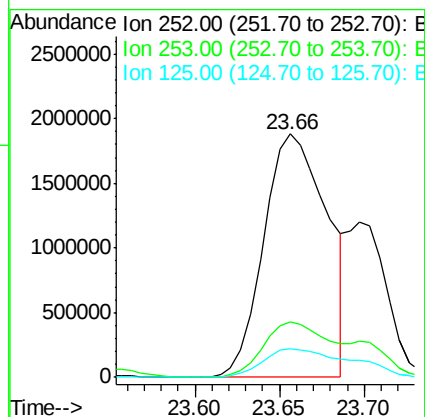
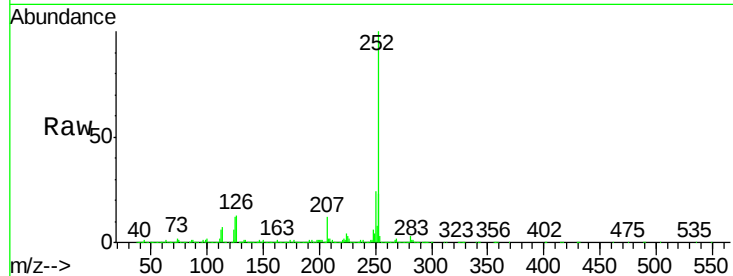
#85
Benzo(b)fluoranthene
Concen: 32.289 ng/ul
RT: 23.66 min Scan# 3463
Delta R.T. 0.01 min
Lab File: BM014828.D
Acq: 25 Apr 2018 02:18

Instrument :
BNA_M
ClientSampled :
DASP6DL

Tot Ion:252 Resp: 4891256
Ion Ratio Lower Upper
252 100
253 22.7 17.9 26.9
125 11.5 3.6 5.4#

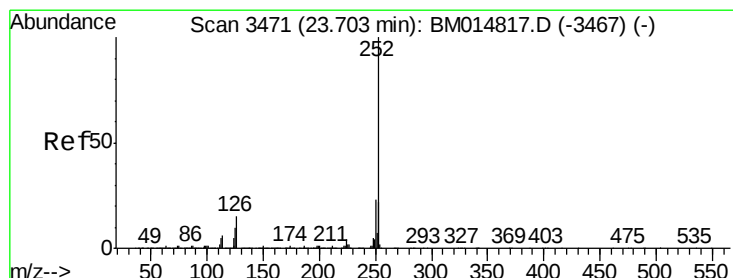
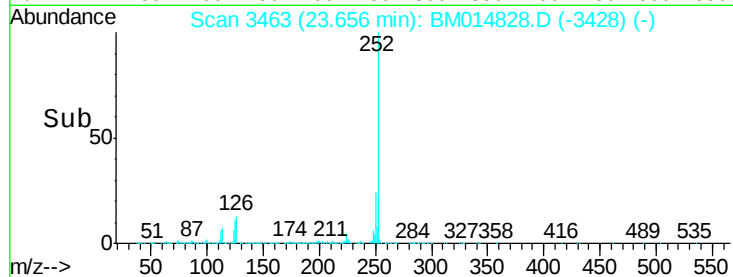
Manual Integrations
APPROVED

Sohil
4/25/2018 4:31:19 PM



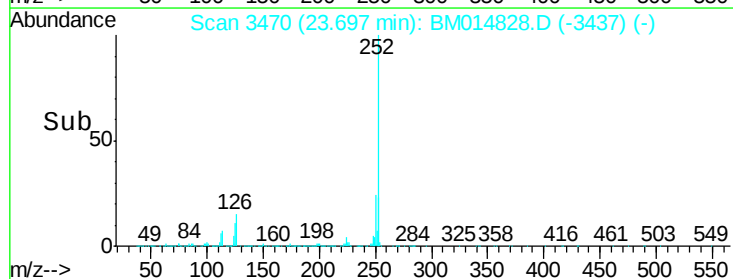
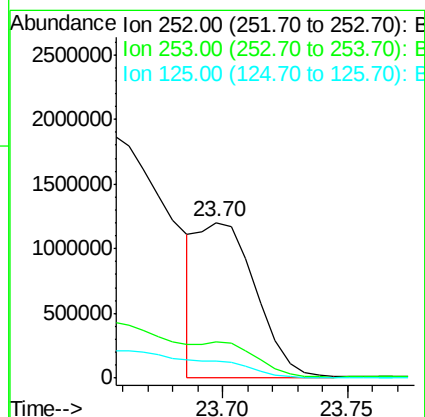
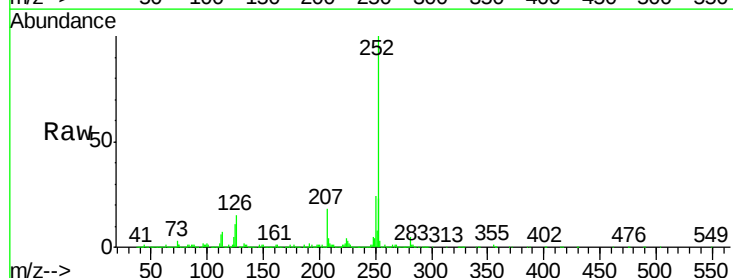
Sohil

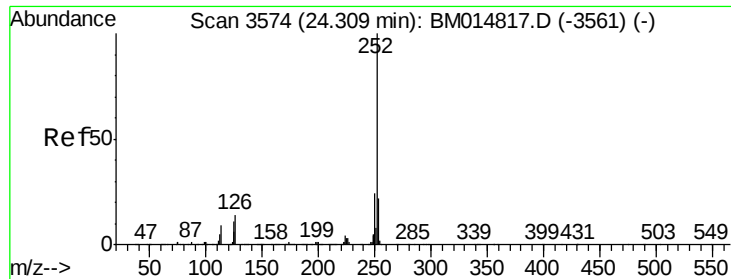
4/25/2018 4:31:19 PM



#86
Benzo(k)fluoranthene
Concen: 13.168 ng/ul m
RT: 23.70 min Scan# 3470
Delta R.T. -0.01 min
Lab File: BM014828.D
Acq: 25 Apr 2018 02:18

Tgt Ion:252 Resp: 1918097
Ion Ratio Lower Upper
252 100
253 23.5 17.1 25.7
125 11.1 3.4 5.2#





#88

Benzo(a)pyrene

Concen: 21.846 ng/ul

RT: 24.30 min Scan# 3573

Delta R.T. -0.01 min

Lab File: BM014828.D

Acq: 25 Apr 2018 02:18

Instrument :

BNA_M

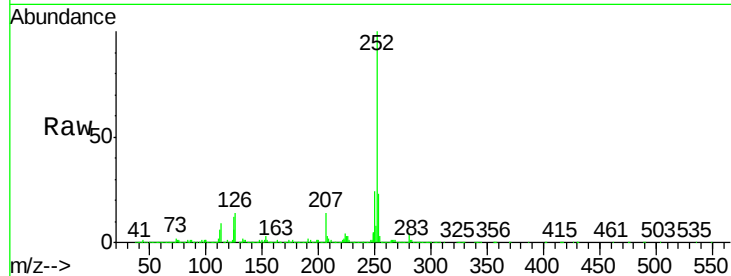
ClientSampled :

DASP6DL

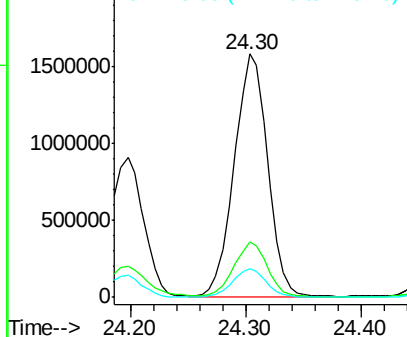
Tot Ion:	252	Resp:	3139192
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.2	27.2
125	11.8	4.0	6.0#

Manual Integrations
APPROVED

Sohil
4/25/2018 4:31:19 PM

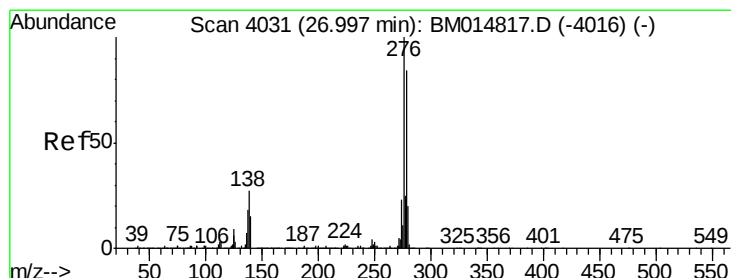
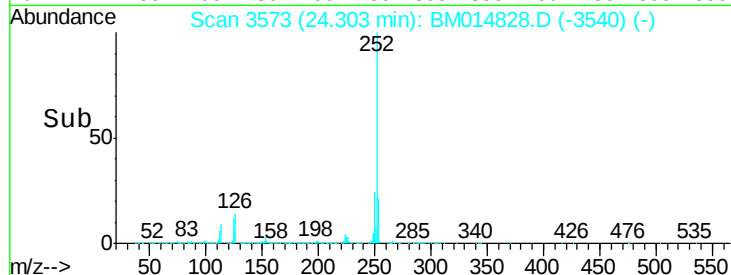


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Sohil

4/25/2018 4:31:19 PM



#89

Indeno(1,2,3-cd)pyrene

Concen: 5.154 ng/ul

RT: 26.99 min Scan# 4029

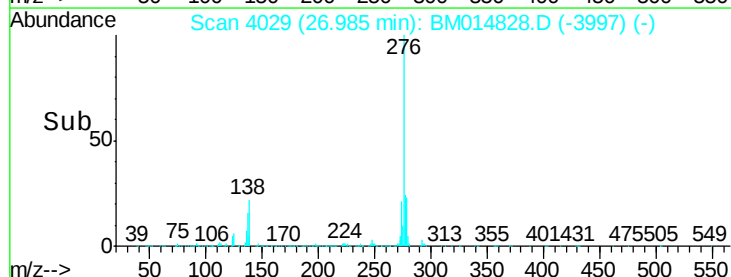
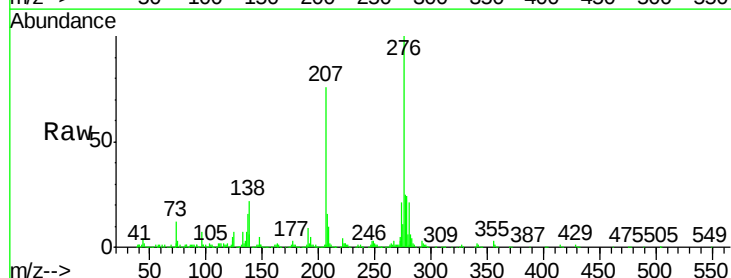
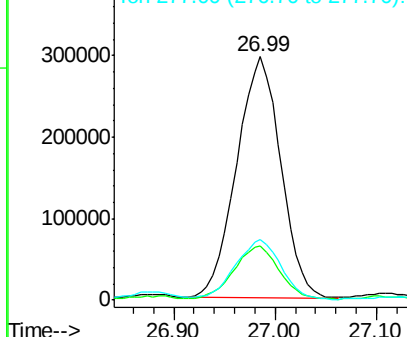
Delta R.T. -0.01 min

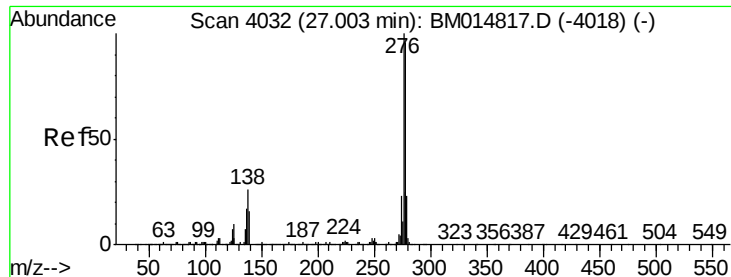
Lab File: BM014828.D

Acq: 25 Apr 2018 02:18

Tgt Ion:	276	Resp:	895996
Ion Ratio	Lower	Upper	
276	100		
138	22.0	9.3	13.9#
277	25.1	19.9	29.9

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





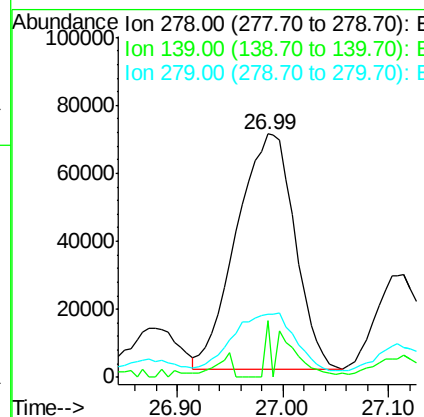
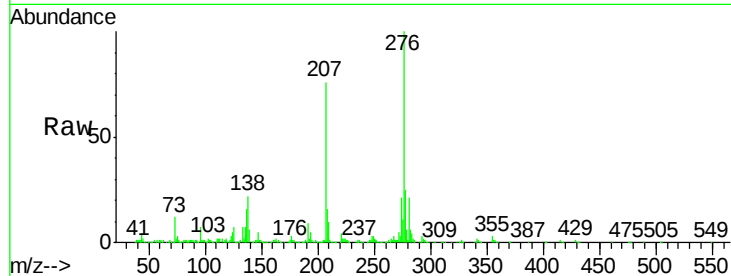
#90
Dibenzo(a,h)anthracene
Concen: 1.797 ng/ul
RT: 26.99 min Scan# 4029
Delta R.T. -0.02 min
Lab File: BM014828.D
Acq: 25 Apr 2018 02:18

Instrument :
BNA_M
ClientSampled :
DASP6DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	23.2	5.8	8.8#
279	25.8	18.6	27.8

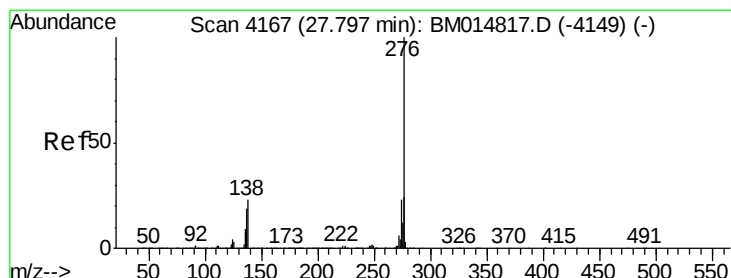
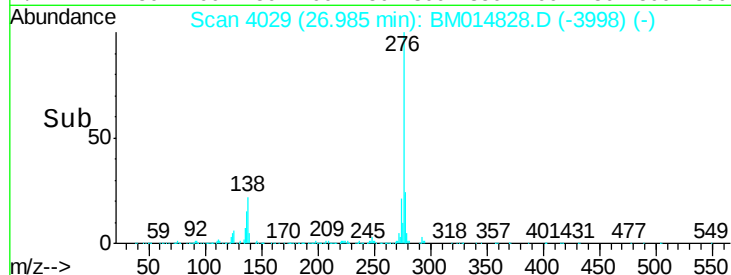
Manual Integrations
APPROVED

Sohil
4/25/2018 4:31:19 PM



Sohil

4/25/2018 4:31:19 PM



#91
Benzo(g,h,i)perylene
Concen: 4.867 ng/ul
RT: 27.78 min Scan# 4164
Delta R.T. -0.02 min
Lab File: BM014828.D
Acq: 25 Apr 2018 02:18

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.2	8.5	12.7#
277	24.5	18.6	28.0

