

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121418\
 Data File : BM018192.D
 Acq On : 15 Dec 2018 06:24
 Operator : JU/SJ
 Sample : J6238-07
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE8B6

Manual Integrations
 APPROVED

Sohil
 12/17/2018 4:17:33 PM

Quant Time: Dec 15 20:48:27 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Dec 15 03:53:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	191580	20.00	ng/ul	0.00
18) Naphthalene-d8	10.28	136	808647	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	431546	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.93	188	750282	20.00	ng/ul	0.01
77) Chrysene-d12	21.15	240	588442	20.00	ng/ul	0.01
85) Perylene-d12	23.32	264	654056	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	12154	3.03	ng/uL	0.00
5) Phenol-d5	6.71	99	241536	13.12	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.86	67	153212	15.52	ng/ul	0.00
9) 2-Chlorophenol-d4	7.05	132	205300	14.10	ng/ul	0.00
13) 4-Methylphenol-d8	8.23	113	188368	12.61	ng/ul	0.00
19) Nitrobenzene-d5	8.67	128	100732	15.16	ng/ul	0.00
22) 2-Nitrophenol-d4	9.38	143	109511	13.93	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.92	165	187184	13.77	ng/ul	0.01
29) 4-Chloroaniline-d4	10.43	131	158005	13.15	ng/ul	0.00
43) Dimethylphthalate-d6	13.59	166	592741	15.53	ng/ul	0.00
46) Acenaphthylene-d8	13.86	160	680280	14.62	ng/ul	0.00
51) 4-Nitrophenol-d4	14.43	143	47252	6.86	ng/ul	0.02
57) Fluorene-d10	15.17	176	459032	14.47	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.34	200	9102	1.59	ng/ul	0.02
70) Anthracene-d10	17.03	188	567338	14.96	ng/ul	0.00
78) Pyrene-d10	19.34	212	468265	16.60	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.18	264	508738	14.04	ng/ul	0.02

Target Compounds

					Ovalue	
6) Phenol	6.73	94	46786	2.584	ng/ul#	84
28) Naphthalene	10.32	128	143631	3.301	ng/ul	99
34) 2-Methylnaphthalene	11.95	142	85660	2.654	ng/ul	97
44) Dimethylphthalate	13.63	163	61165	1.683	ng/ul	97
49) Acenaphthene	14.23	153	317918	10.248	ng/ul	99
53) Dibenzofuran	14.57	168	279352	6.513	ng/ul	95
58) Fluorene	15.23	166	449132	12.603	ng/ul	99
69) Phenanthrene	16.98	178	4382514	100.060	ng/ul	99
71) Anthracene	17.06	178	1180680	26.194	ng/ul	99
74) Carbazole	17.35	167	167650	4.087	ng/ul	99
76) Fluoranthene	19.01	202	4243224	83.522	ng/ul	98
79) Pyrene	19.37	202	4011818	113.958	ng/ul	97
82) Benzo(a)anthracene	21.13	228	1830747	49.159	ng/ul	98
83) Bis(2-ethylhexyl)phthalate	21.07	149	263130	10.631	ng/ul	100
84) Chrysene	21.19	228	1554306	44.727	ng/ul	96
87) Benzo(b)fluoranthene	22.68	252	1809821	46.432	ng/ul#	96
88) Benzo(k)fluoranthene	22.72	252	592268m	15.269	ng/ul	
90) Benzo(a)pyrene	23.23	252	1444641	37.576	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.46	276	886682	20.324	ng/ul	96
92) Dibenzo(a,h)anthracene	25.46	278	243136	6.559	ng/ul#	89
93) Benzo(a,h,i)perylene	26.12	276	805469	22.152	ng/ul	98

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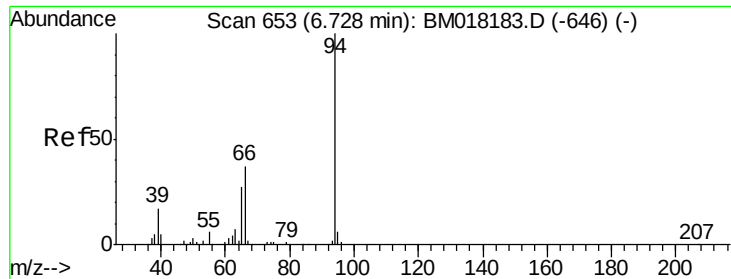
Manual Integrations
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Quant Time: Dec 15 20:48:27 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 15 03:53:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#6

Phenol

Concen: 2.584 ng/ul

RT: 6.73 min Scan# 654

Delta R.T. 0.01 min

Lab File: BM018192.D

Acq: 15 Dec 2018 06:24

Instrument :

BNA_M

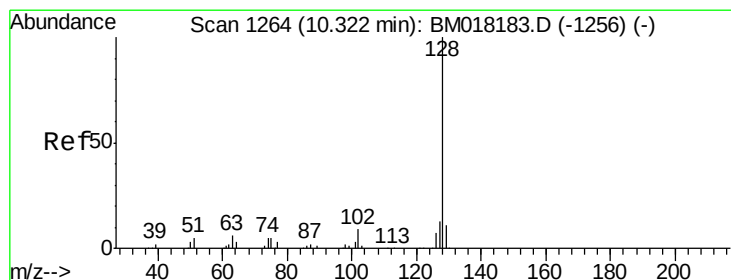
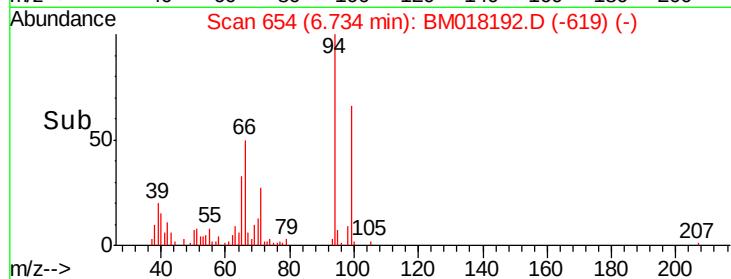
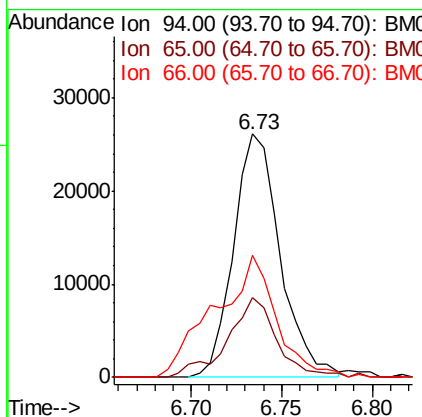
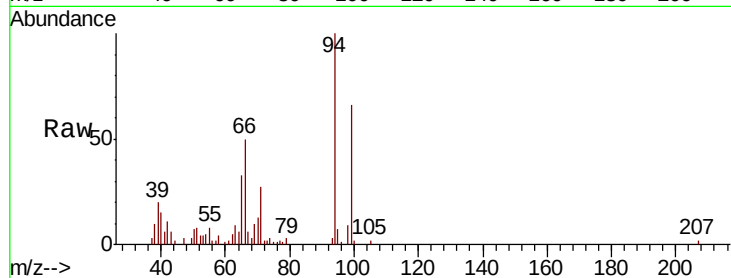
ClientSampled :

BE8B6

Tot Ion:	94	Resp:	46786
Ion	Ratio	Lower	Upper
94	100		
65	32.6	22.0	33.0
66	49.9	30.3	45.5#

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#28

Naphthalene

Concen: 3.301 ng/ul

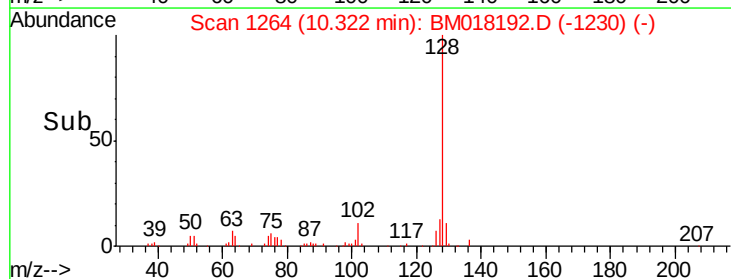
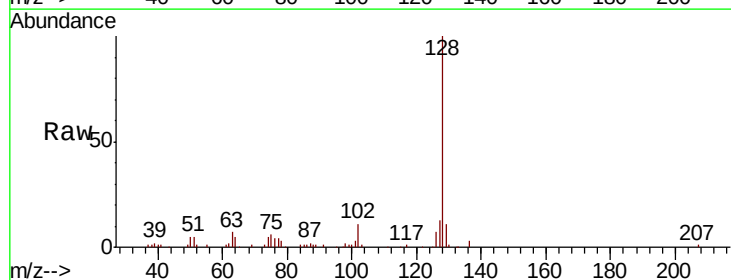
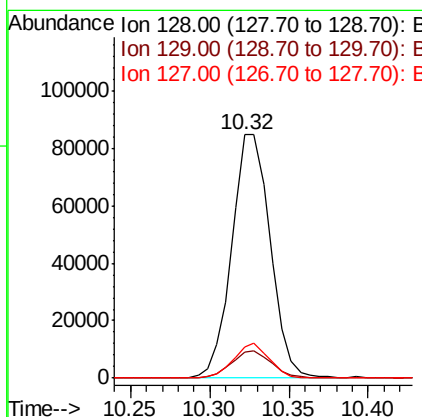
RT: 10.32 min Scan# 1264

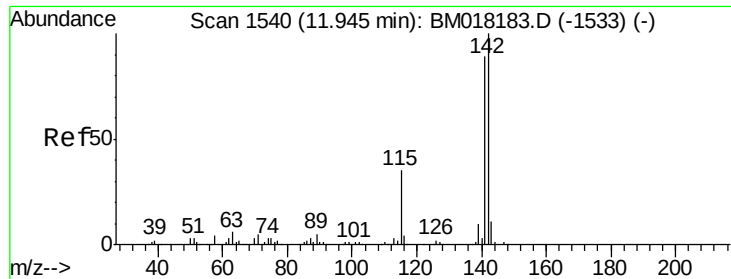
Delta R.T. 0.00 min

Lab File: BM018192.D

Acq: 15 Dec 2018 06:24

Tgt Ion:	128	Resp:	143631
Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.2	12.4
127	12.7	9.7	14.5





#34

2-Methylnaphthalene

Concen: 2.654 ng/ul

RT: 11.95 min Scan# 1541

Delta R.T. 0.01 min

Lab File: BM018192.D

Acq: 15 Dec 2018 06:24

Instrument :

BNA_M

ClientSampled :

BE8B6

Tot Ion:142 Resp: 85660

Ion Ratio Lower Upper

142 100

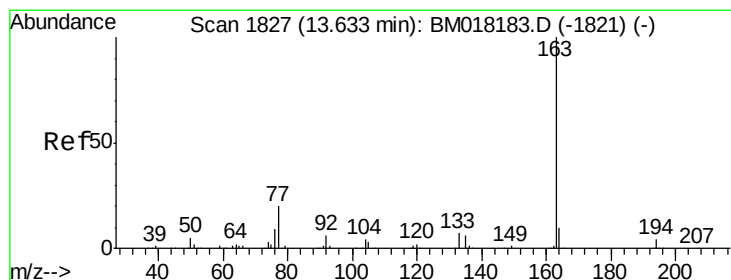
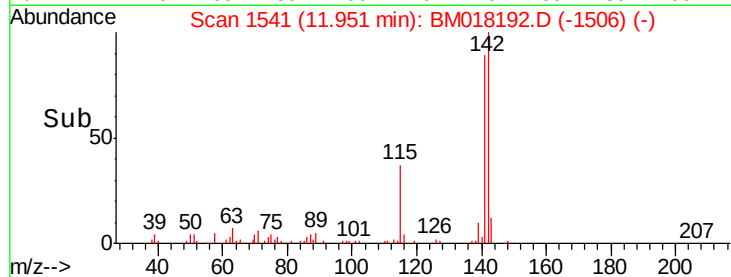
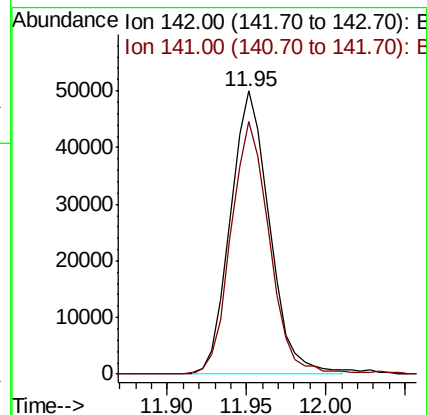
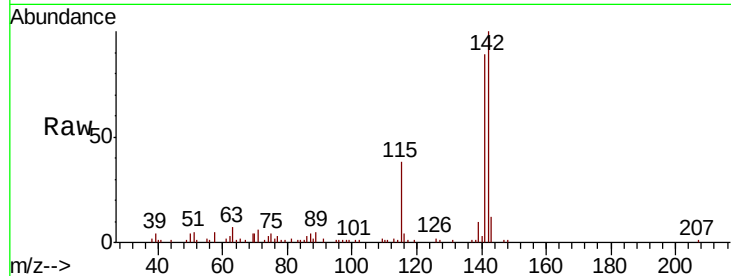
141 89.4 69.0 103.4

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#44

Dimethylphthalate

Concen: 1.683 ng/ul

RT: 13.63 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BM018192.D

Acq: 15 Dec 2018 06:24

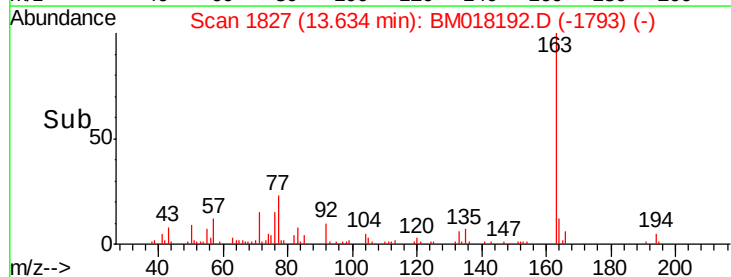
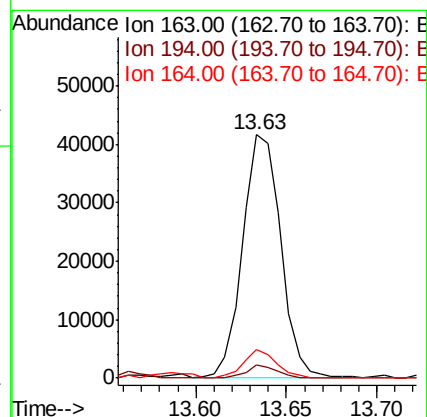
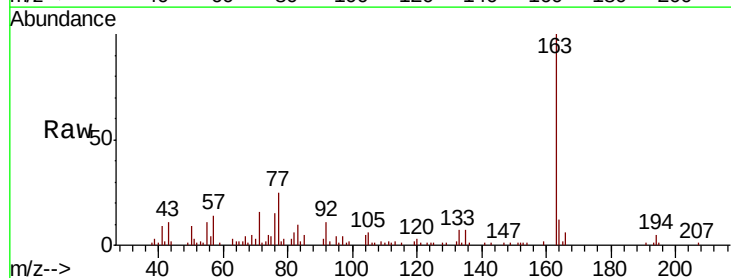
Tgt Ion:163 Resp: 61165

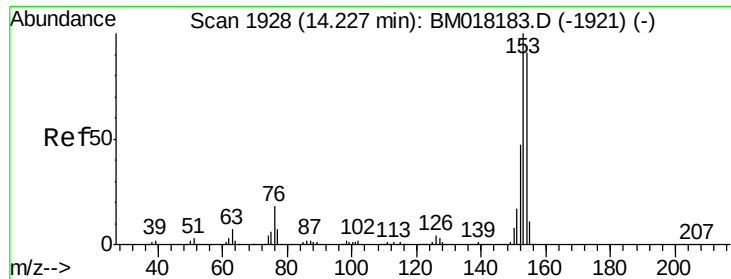
Ion Ratio Lower Upper

163 100

194 5.3 3.7 5.5

164 11.7 8.2 12.4





#49

Acenaphthene

Concen: 10.248 ng/ul

RT: 14.23 min Scan# 1929

Delta R.T. 0.01 min

Lab File: BM018192.D

Acq: 15 Dec 2018 06:24

Instrument :

BNA_M

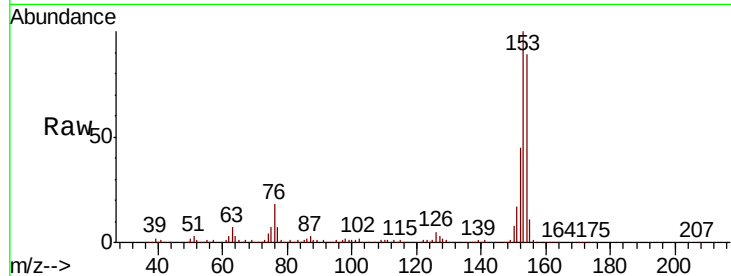
ClientSampled :

BE8B6

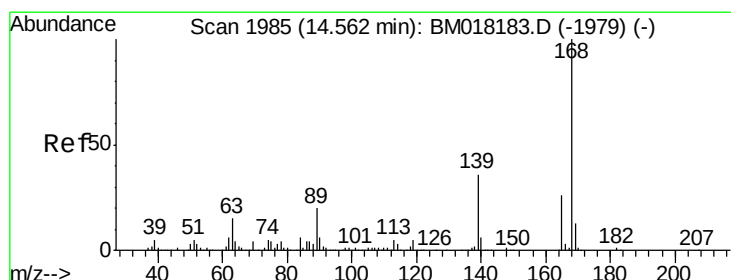
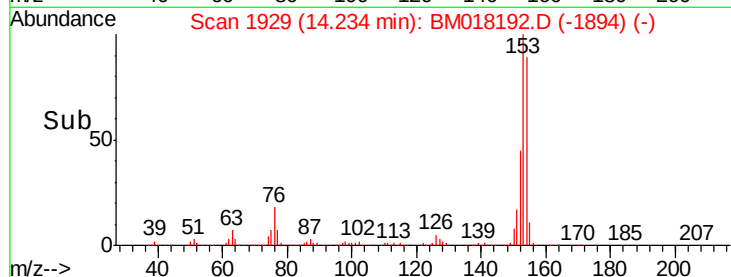
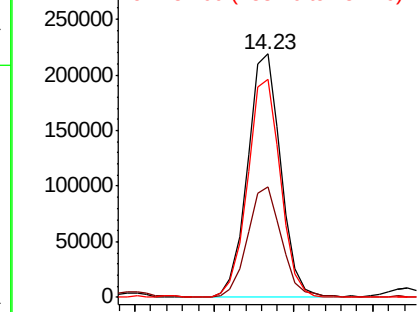
Tot Ion:	153	Resp:	317918
Ion Ratio	Lower	Upper	
153	100		
152	45.1	37.1	55.7
154	89.3	71.8	107.8

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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



#53

Dibenzofuran

Concen: 6.513 ng/ul

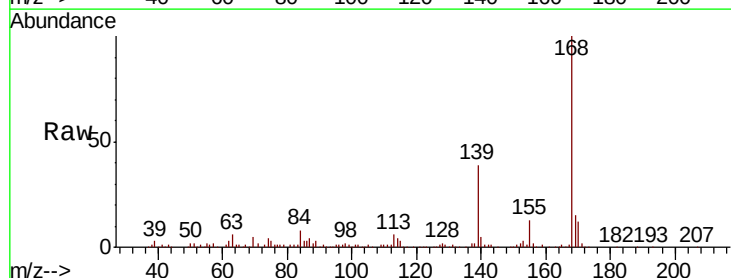
RT: 14.57 min Scan# 1987

Delta R.T. 0.01 min

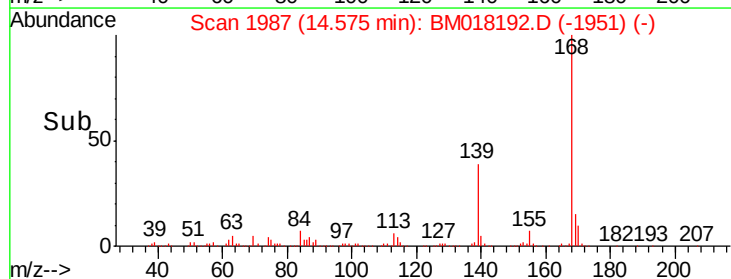
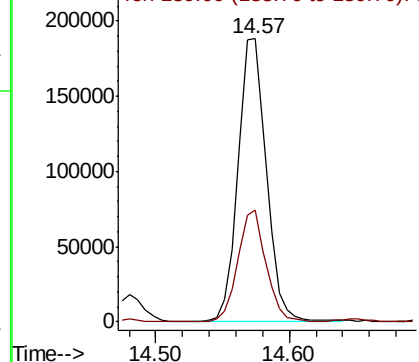
Lab File: BM018192.D

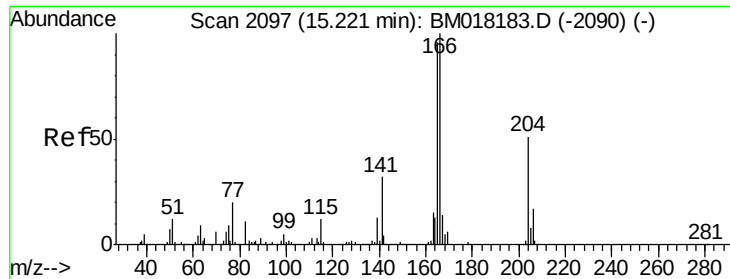
Acq: 15 Dec 2018 06:24

Tgt Ion:	168	Resp:	279352
Ion Ratio	Lower	Upper	
168	100		
139	39.4	29.4	44.0



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





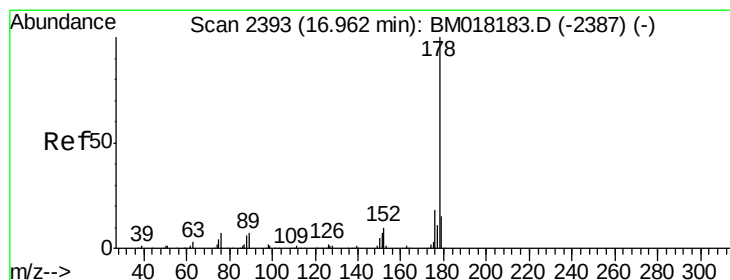
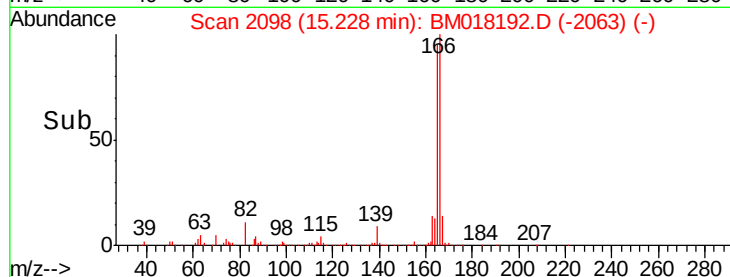
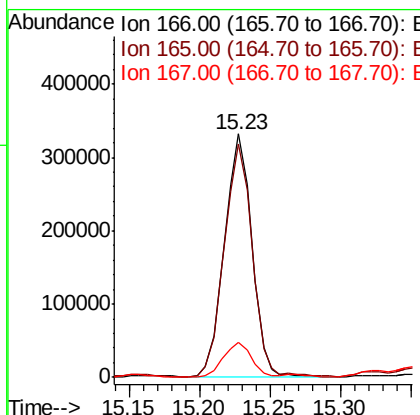
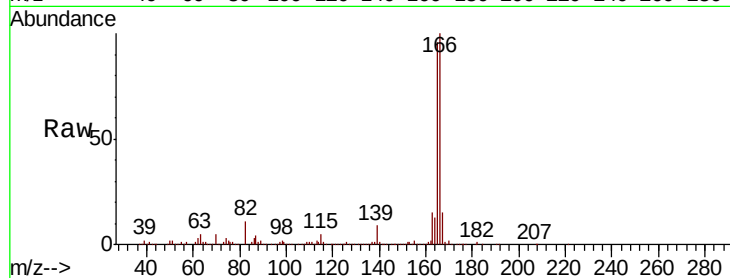
#58
 Fluorene
 Concen: 12.603 ng/ul
 RT: 15.23 min Scan# 2098
 Delta R.T. 0.01 min
 Lab File: BM018192.D
 Acq: 15 Dec 2018 06:24

Instrument :
 BNA_M
 ClientSampleId :
 BE8B6

Tot Ion	Ratio	Lower	Upper
166	100		
165	95.8	76.2	114.4
167	14.6	11.2	16.8

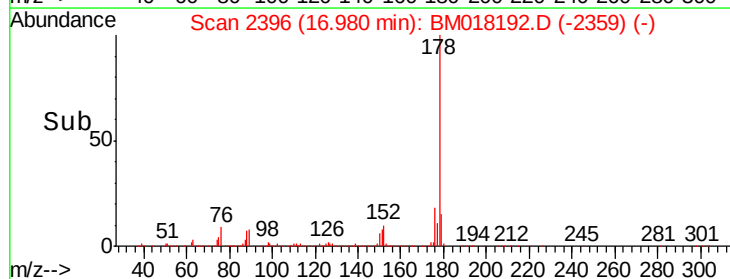
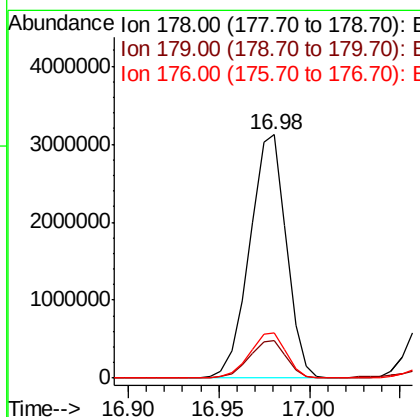
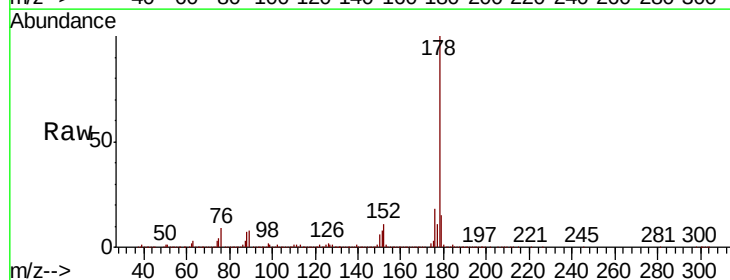
Manual Integrations
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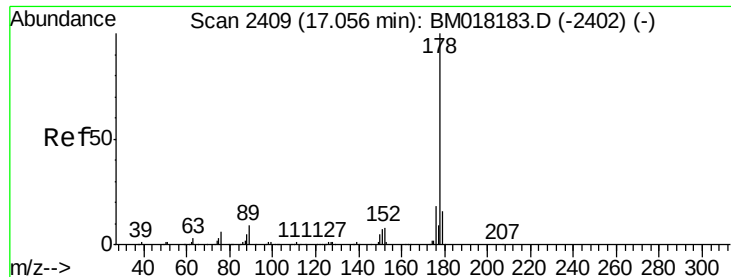
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#69
 Phenanthrene
 Concen: 100.060 ng/ul
 RT: 16.98 min Scan# 2396
 Delta R.T. 0.02 min
 Lab File: BM018192.D
 Acq: 15 Dec 2018 06:24

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.2	18.4
176	18.4	14.3	21.5





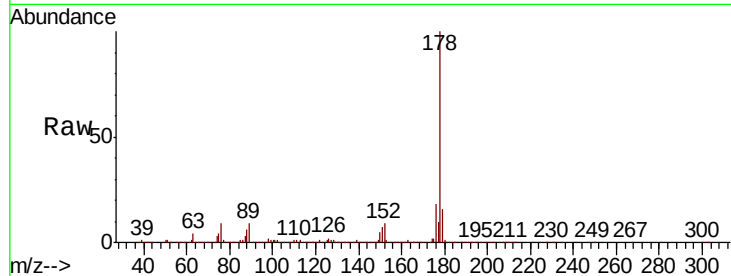
#71
 Anthracene
 Concen: 26.194 ng/ul
 RT: 17.06 min Scan# 2410
 Delta R.T. 0.01 min
 Lab File: BM018192.D
 Acq: 15 Dec 2018 06:24

Instrument :
 BNA_M
 ClientSampleId :
 BE8B6

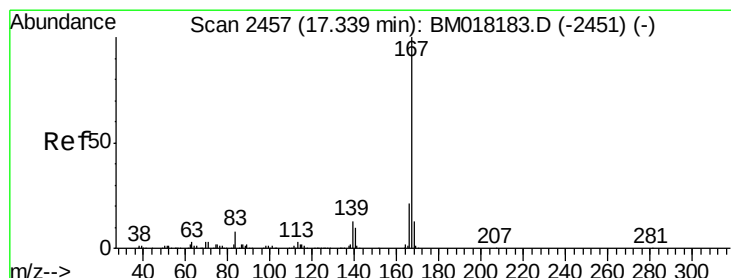
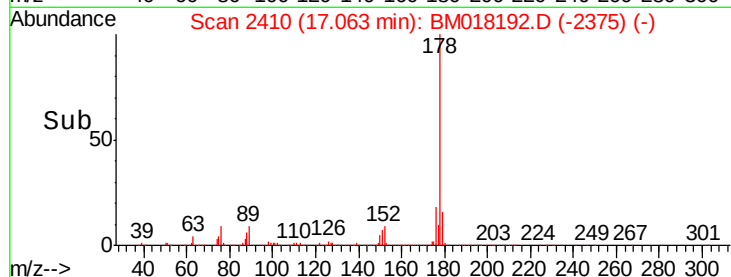
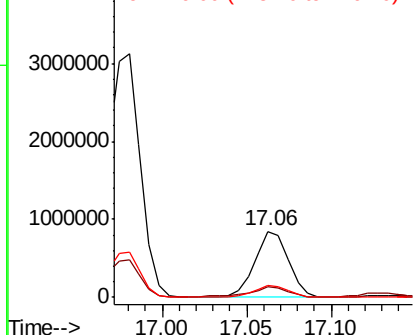
Tot Ion:178 Resp: 1180680
 Ion Ratio Lower Upper
 178 100
 179 15.8 12.9 19.3
 176 18.1 14.1 21.1

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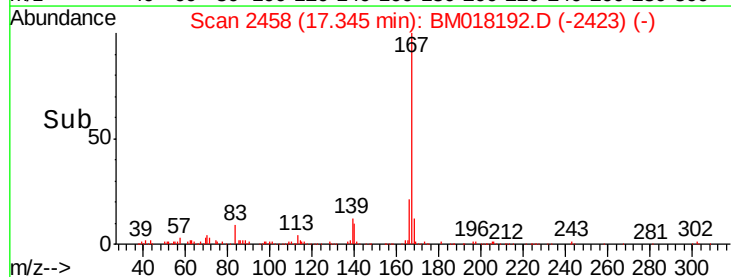
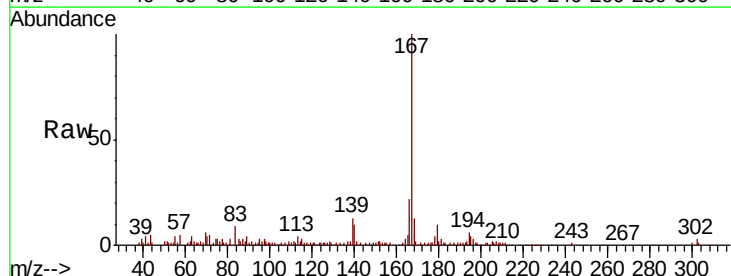
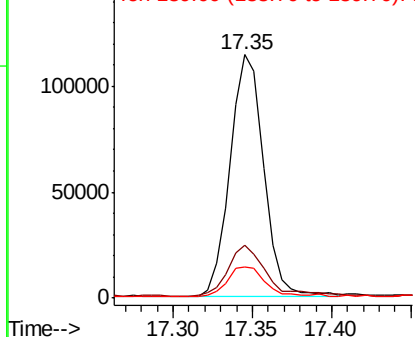
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

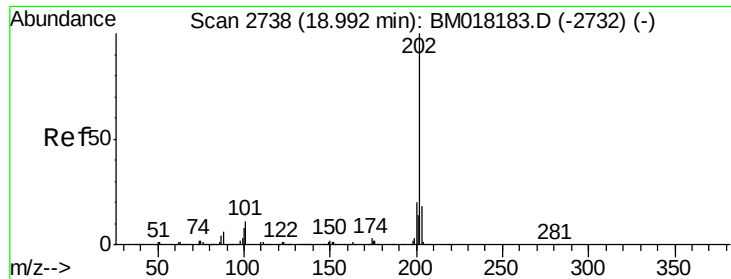


#74
 Carbazole
 Concen: 4.087 ng/ul
 RT: 17.35 min Scan# 2458
 Delta R.T. 0.01 min
 Lab File: BM018192.D
 Acq: 15 Dec 2018 06:24

Tgt Ion:167 Resp: 167650
 Ion Ratio Lower Upper
 167 100
 166 21.6 16.6 24.8
 139 12.9 10.2 15.4

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





#76

Fluoranthene

Concen: 83.522 ng/ul

RT: 19.01 min Scan# 2741

Delta R.T. 0.02 min

Lab File: BM018192.D

Acq: 15 Dec 2018 06:24

Instrument :

BNA_M

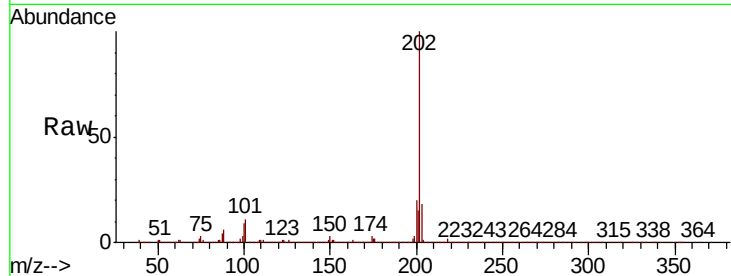
ClientSampleId :

BE8B6

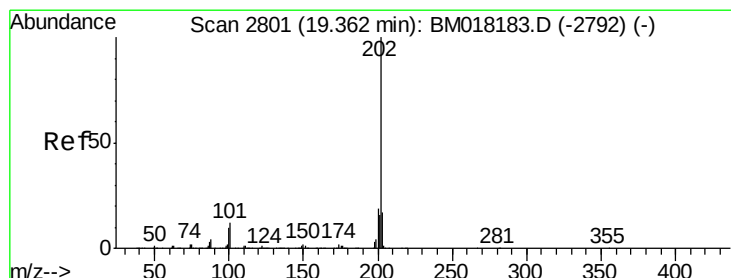
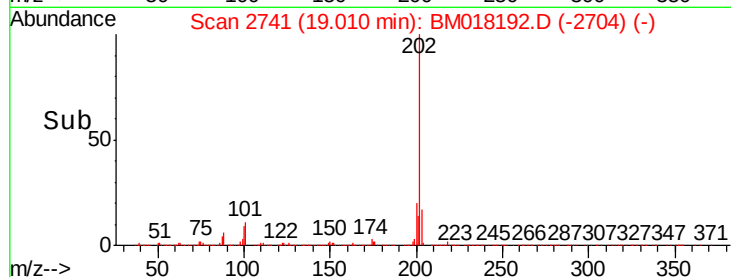
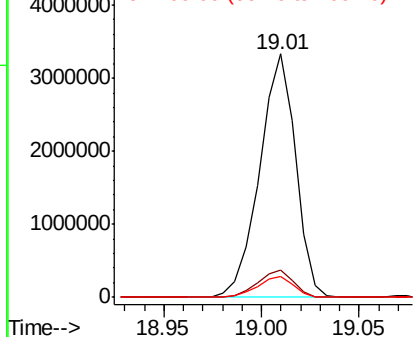
Tot Ion:	202	Resp:	4243224
Ion	Ratio	Lower	Upper
202	100		
101	11.1	8.0	12.0
100	8.8	6.6	10.0

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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



#79

Pyrene

Concen: 113.958 ng/ul

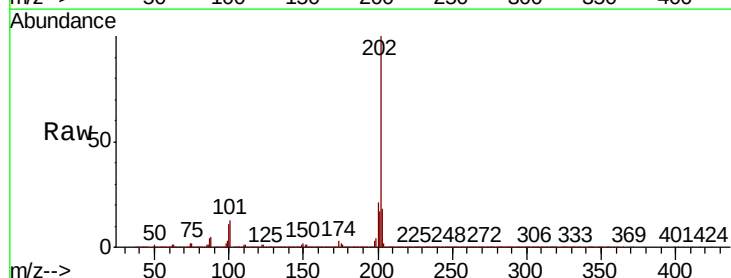
RT: 19.37 min Scan# 2803

Delta R.T. 0.01 min

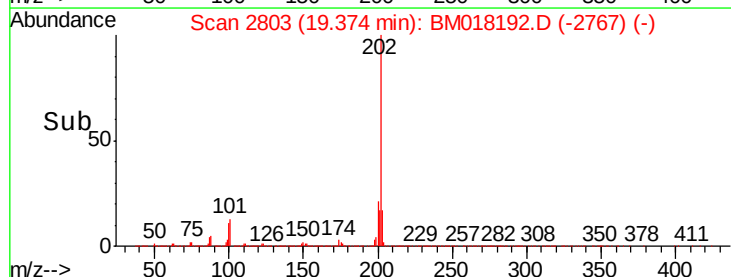
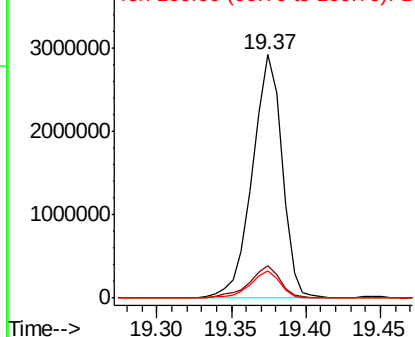
Lab File: BM018192.D

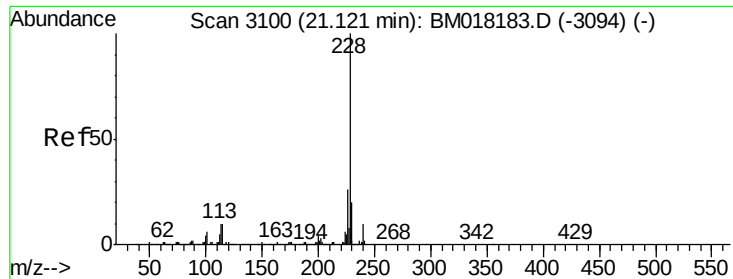
Acq: 15 Dec 2018 06:24

Tgt Ion:	202	Resp:	4011818
Ion	Ratio	Lower	Upper
202	100		
101	13.2	9.6	14.4
100	11.0	7.7	11.5



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





#82

Benzo(a)anthracene

Concen: 49.159 ng/ul

RT: 21.13 min Scan# 3102

Delta R.T. 0.01 min

Lab File: BM018192.D

Acq: 15 Dec 2018 06:24

Instrument :

BNA_M

ClientSampleId :

BE8B6

Tot Ion:228 Resp: 1830747

Ion Ratio Lower Upper

228 100

229 20.4 16.0 24.0

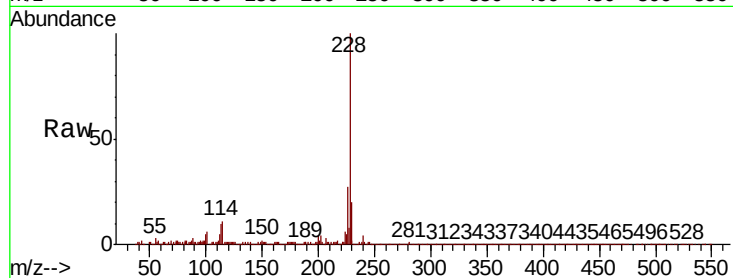
226 26.9 20.5 30.7

Manual Integrations

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Sohil

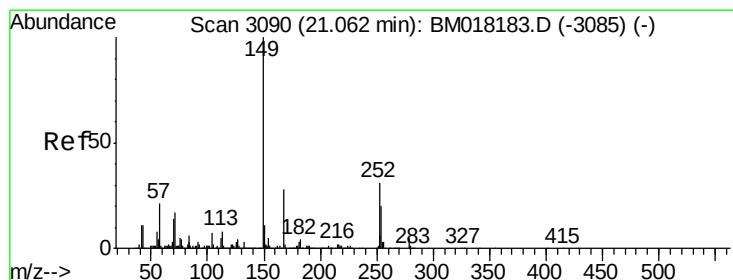
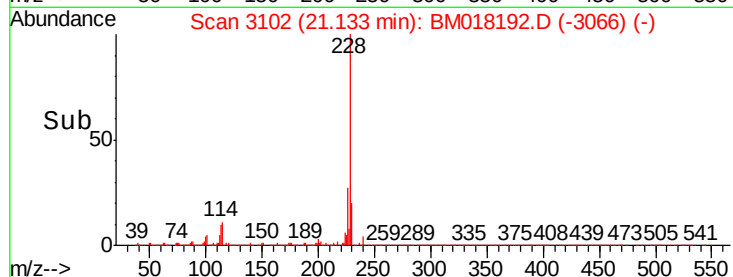
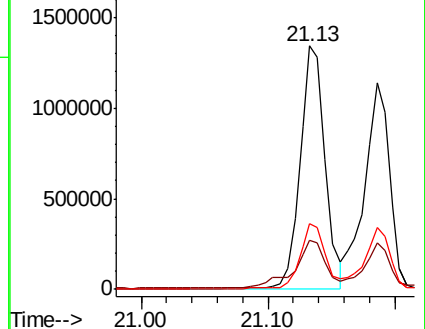
12/17/2018 4:17:33 PM



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 10.631 ng/ul

RT: 21.07 min Scan# 3091

Delta R.T. 0.01 min

Lab File: BM018192.D

Acq: 15 Dec 2018 06:24

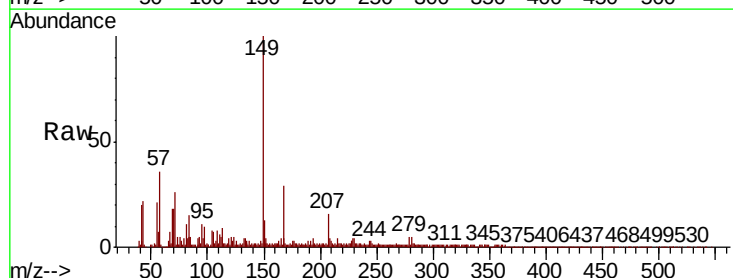
Tgt Ion:149 Resp: 263130

Ion Ratio Lower Upper

149 100

167 28.6 22.8 34.2

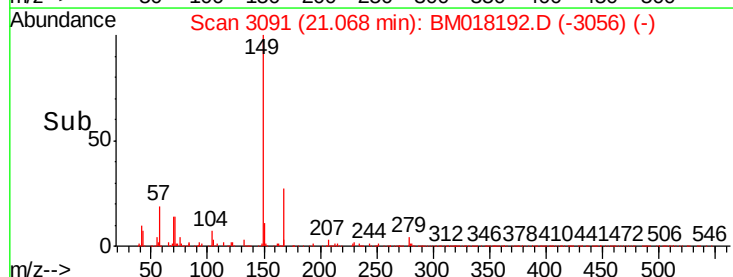
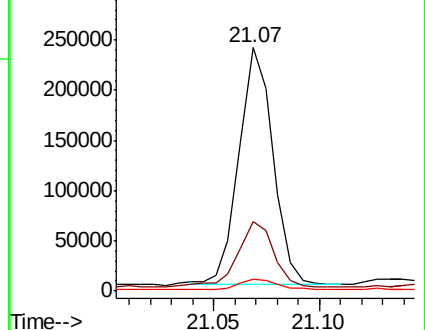
279 5.1 3.8 5.8

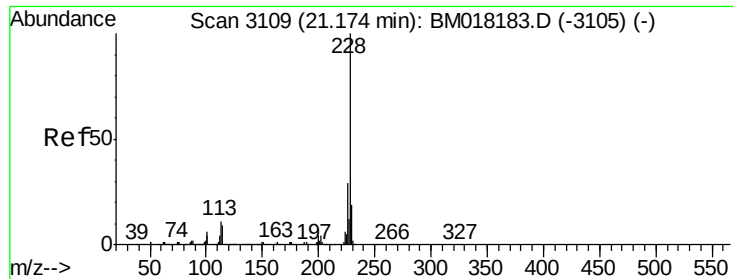


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Chrysene

Concen: 44.727 ng/ul

RT: 21.19 min Scan# 3111

Delta R.T. 0.01 min

Lab File: BM018192.D

Acq: 15 Dec 2018 06:24

Instrument :

BNA_M

ClientSampleId :

BE8B6

Tot Ion:228 Resp: 1554306

Ion Ratio Lower Upper

228 100

226 29.8 22.6 33.8

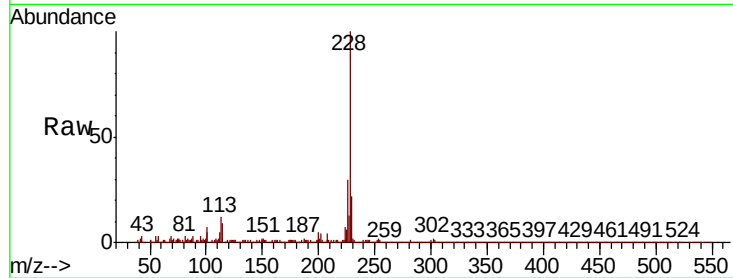
229 22.4 15.5 23.3

Manual Integrations

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Sohil

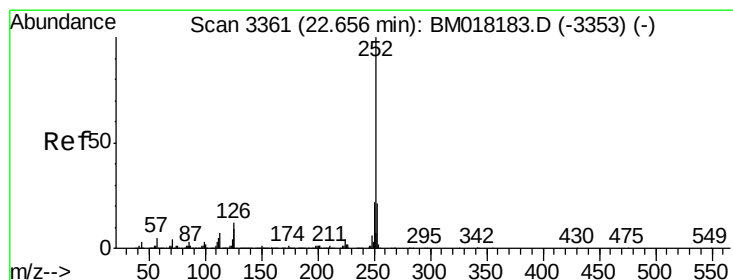
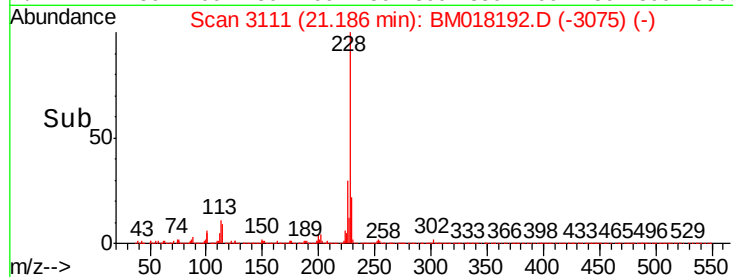
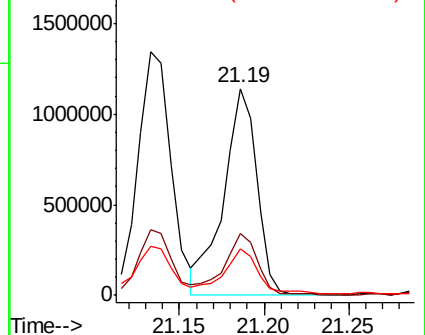
12/17/2018 4:17:33 PM



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87

Benzo(b)fluoranthene

Concen: 46.432 ng/ul

RT: 22.68 min Scan# 3365

Delta R.T. 0.02 min

Lab File: BM018192.D

Acq: 15 Dec 2018 06:24

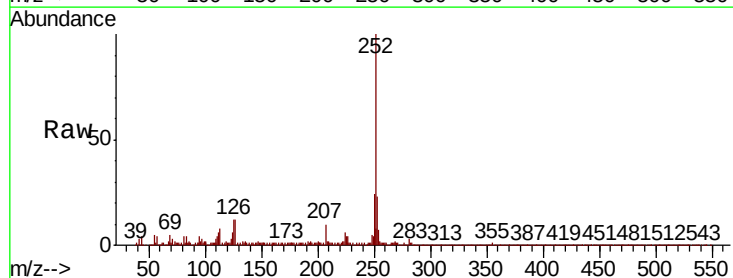
Tgt Ion:252 Resp: 1809821

Ion Ratio Lower Upper

252 100

253 23.0 17.3 25.9

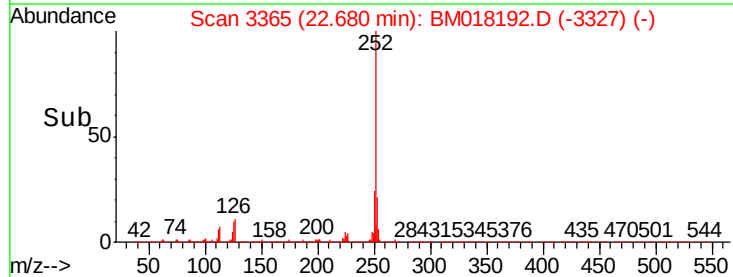
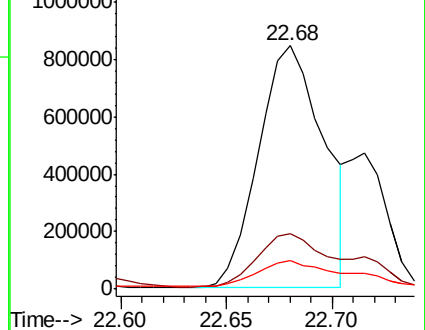
125 11.7 7.8 11.6#

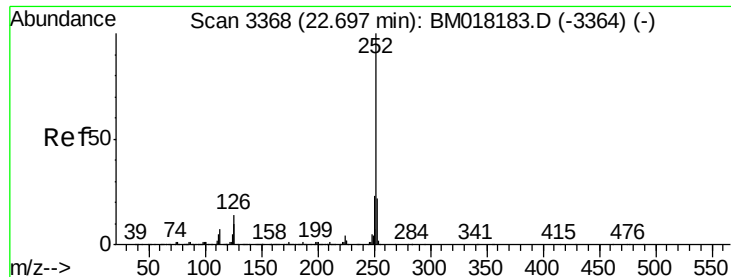


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





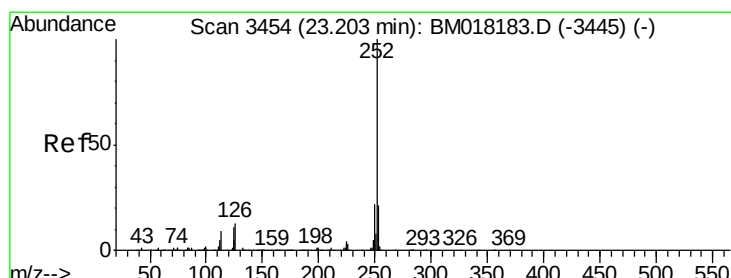
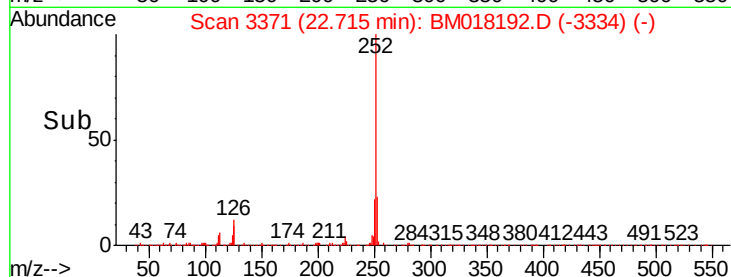
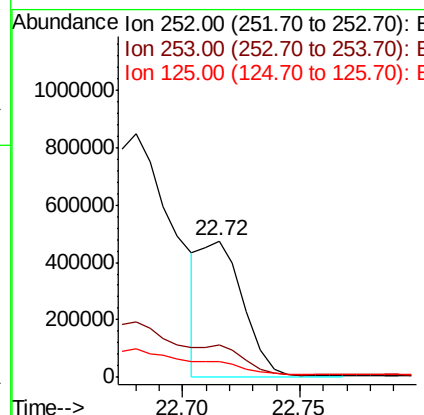
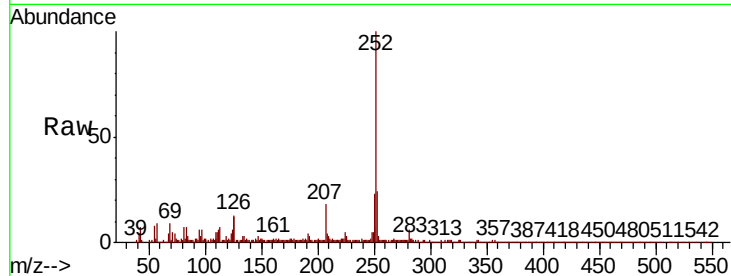
#88
Benzo(k)fluoranthene
Concen: 15.269 ng/ul m
RT: 22.72 min Scan# 3371
Delta R.T. 0.02 min
Lab File: BM018192.D
Acq: 15 Dec 2018 06:24

Instrument :
BNA_M
ClientSampled :
BE8B6

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.4	26.0
125	11.6	7.8	11.8

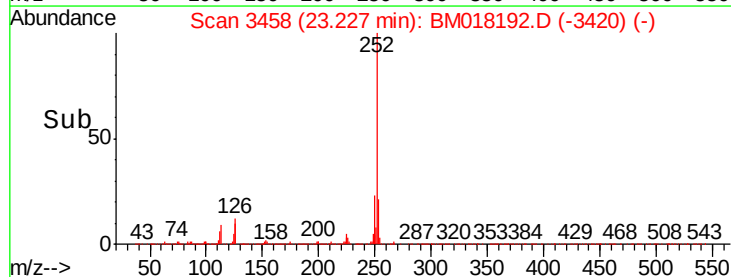
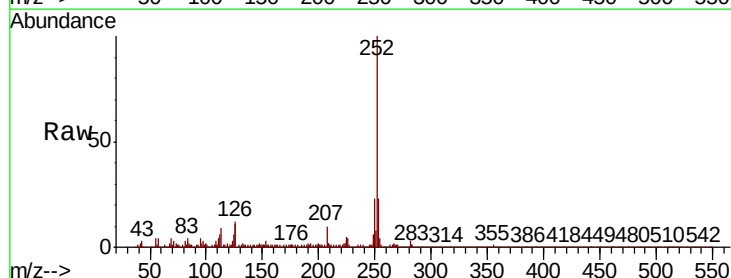
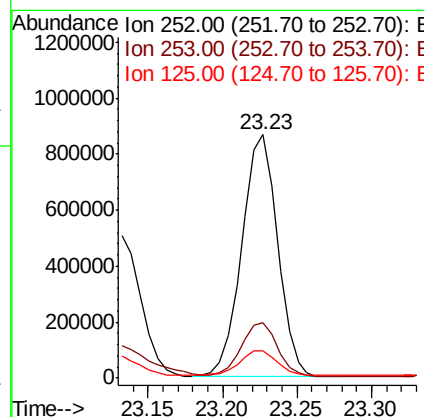
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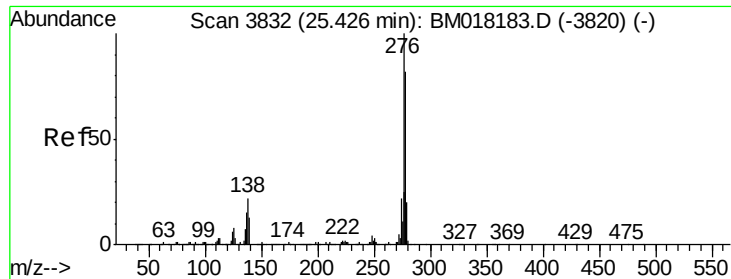
Sohil
12/17/2018 4:17:33 PM



#90
Benzo(a)pyrene
Concen: 37.576 ng/ul
RT: 23.23 min Scan# 3458
Delta R.T. 0.02 min
Lab File: BM018192.D
Acq: 15 Dec 2018 06:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.0
125	11.0	9.0	13.4





#91

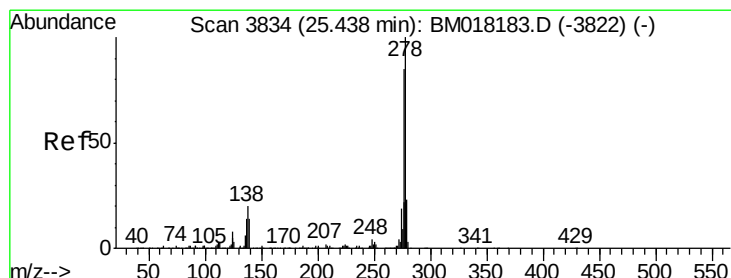
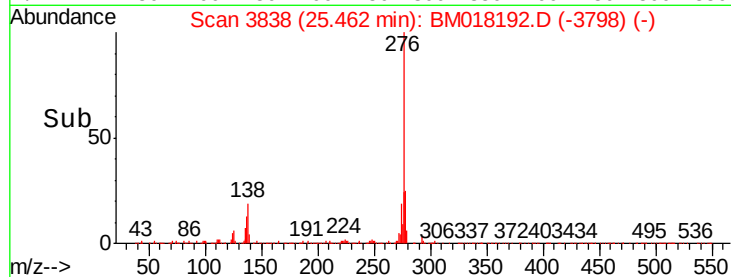
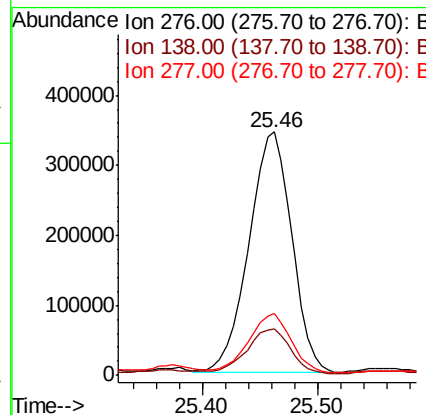
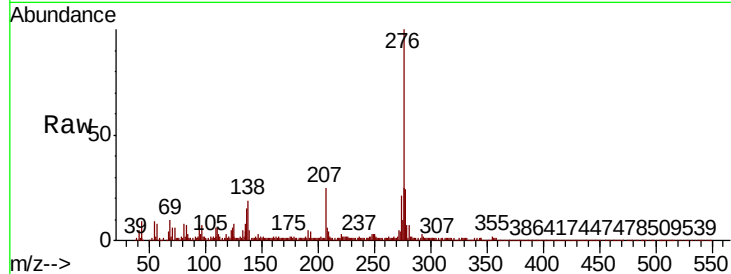
Indeno(1,2,3-cd)pyrene
Concen: 20.324 ng/ul
RT: 25.46 min Scan# 3838
Delta R.T. 0.04 min
Lab File: BM018192.D
Acq: 15 Dec 2018 06:24

Instrument :
BNA_M
ClientSampleId :
BE8B6

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.1	18.6	28.0
277	25.3	20.1	30.1

Manual Integrations
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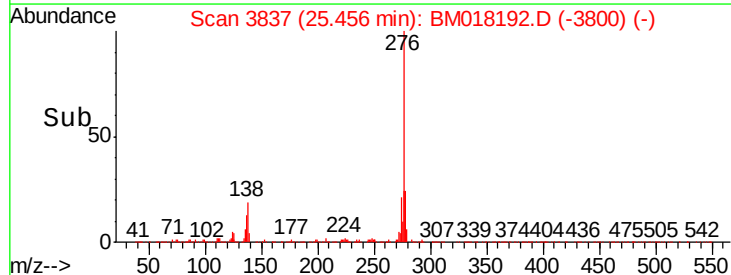
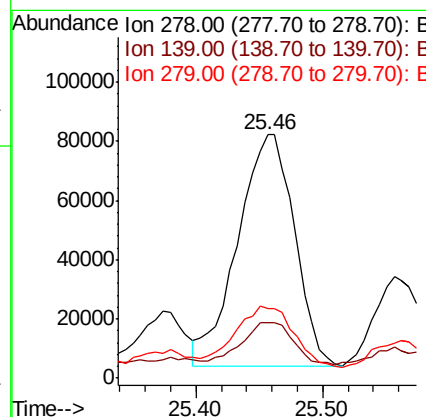
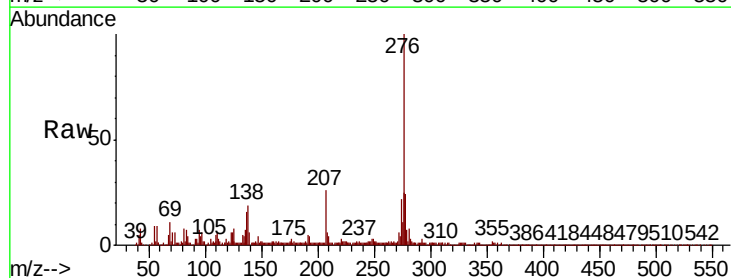
Sohil
12/17/2018 4:17:33 PM

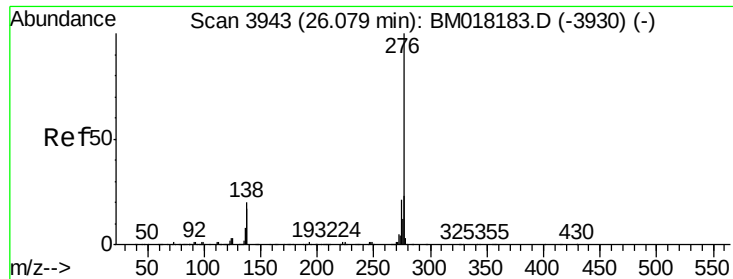


#92

Dibenzo(a,h)anthracene
Concen: 6.559 ng/ul
RT: 25.46 min Scan# 3837
Delta R.T. 0.02 min
Lab File: BM018192.D
Acq: 15 Dec 2018 06:24

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.0	12.6	19.0#
279	28.4	19.6	29.4





#93

Benzo(a,h,i)perylene

Concen: 22.152 ng/ul

RT: 26.12 min Scan# 3949

Delta R.T. 0.04 min

Lab File: BM018192.D

Acq: 15 Dec 2018 06:24

Instrument :

BNA_M

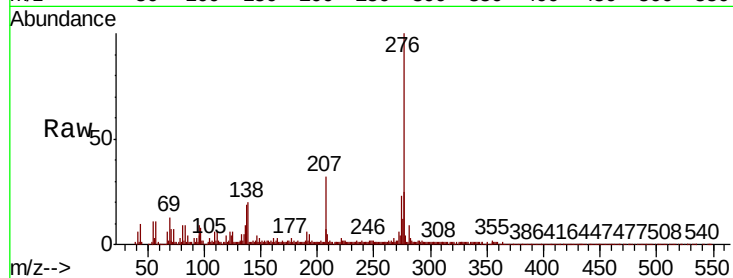
ClientSampleId :

BE8B6

Tot Ion:	276	Resp:	805469
Ion Ratio	Lower	Upper	
276	100		
138	20.0	15.4	23.2
277	24.8	19.0	28.4

Manual Integrations
APPROVED

Sohil
12/17/2018 4:17:33 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

