

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042318\
 Data File : BM014792.D
 Acq On : 24 Apr 2018 00:52
 Operator : SJ/JU
 Sample : J2431-14
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DASP5

Manual Integrations
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Sohil
 4/24/2018 7:13:34 PM

Quant Time: Apr 24 03:52:17 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Apr 24 02:13:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.53	152	409400	20.00	ng/ul	0.00
18) Naphthalene-d8	11.37	136	1677096	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.13	164	946832	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.86	188	1792070	20.00	ng/ul	0.02
75) Chrysene-d12	21.94	240	1929478	20.00	ng/ul	0.02
83) Perylene-d12	24.43	264	1994128	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.66	96	29975	3.20	ng/uL	0.00
5) Phenol-d5	7.65	99	581010	18.36	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.83	67	416274	20.51	ng/ul	0.00
9) 2-Chlorophenol-d4	8.05	132	473187	17.87	ng/ul	0.00
13) 4-Methylphenol-d8	9.22	113	441720	17.50	ng/ul	0.00
19) Nitrobenzene-d5	9.71	128	241405	19.91	ng/ul	0.00
22) 2-Nitrophenol-d4	10.44	143	230734	19.11	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.98	165	418658	17.07	ng/ul	0.00
29) 4-Chloroaniline-d4	11.48	131	800289	33.05	ng/ul	-0.01
43) Dimethylphthalate-d6	14.52	166	1180507	15.97	ng/ul	0.00
46) Acenaphthylene-d8	14.83	160	1447490	15.86	ng/ul	0.00
51) 4-Nitrophenol-d4	15.29	143	181797	13.25	ng/ul	0.00
57) Fluorene-d10	16.11	176	1038946	16.16	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.23	200	74781	7.71	ng/ul	0.03
70) Anthracene-d10	17.97	188	1491177	17.86	ng/ul	0.03
76) Pyrene-d10	20.19	212	1635270	17.91	ng/ul	0.02
87) Benzo(a)pyrene-d12	24.27	264	1813004	18.51	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	11.43	128	20029001m	245.077	ng/ul	
34) 2-Methylnaphthalene	13.00	142	19550465m	344.488	ng/ul	
40) 1,1'-Biphenyl	13.97	154	8296520	108.965	ng/ul#	96
44) Dimethylphthalate	14.57	163	261763	3.664	ng/ul#	98
47) Acenaphthylene	14.86	152	1432855	16.205	ng/ul#	91
49) Acenaphthene	15.20	153	24387238m	388.093	ng/ul	
53) Dibenzofuran	15.52	168	21976442m	251.850	ng/ul	
58) Fluorene	16.17	166	23048532m	327.116	ng/ul	
68) Pentachlorophenol	17.52	266	13247	1.059	ng/ul	95
69) Phenanthrene	17.89	178	40139507m	417.070	ng/ul	
71) Anthracene	17.99	178	19135671m	195.916	ng/ul	
72) Carbazole	18.24	167	3843191	46.124	ng/ul	98
74) Fluoranthene	19.85	202	32359799m	308.398	ng/ul	
77) Pyrene	20.21	202	29798798m	264.325	ng/ul	
78) Butylbenzylphthalate	21.04	149	215902	4.694	ng/ul	92
80) Benzo(a)anthracene	21.92	228	19757046m	175.101	ng/ul	
81) Bis(2-ethylhexyl)phthalate	21.80	149	9961840	147.561	ng/ul	96
82) Chrysene	21.98	228	17248287	163.293	ng/ul#	74
84) Di-n-octyl phthalate	22.76	149	675433	5.889	ng/ul#	87
85) Benzo(b)fluoranthene	23.68	252	18059681	153.631	ng/ul#	93
86) Benzo(k)fluoranthene	23.72	252	5842297m	51.684	ng/ul	
88) Benzo(a)pyrene	24.33	252	11727650	105.173	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	27.01	276	4347350	32.227	ng/ul#	91

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ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DASP5

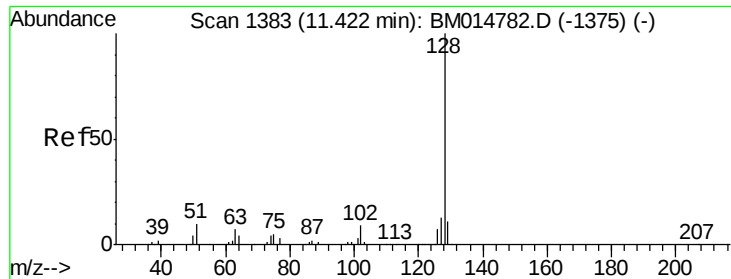
Manual Integrations
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Quant Time: Apr 24 03:52:17 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Apr 24 02:13:13 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Dibenzo(a,h)anthracene	27.01	278	1245915	10.969	ng/ul#	90
91) Benzo(g,h,i)perylene	27.81	276	3460467	31.182	ng/ul#	89

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



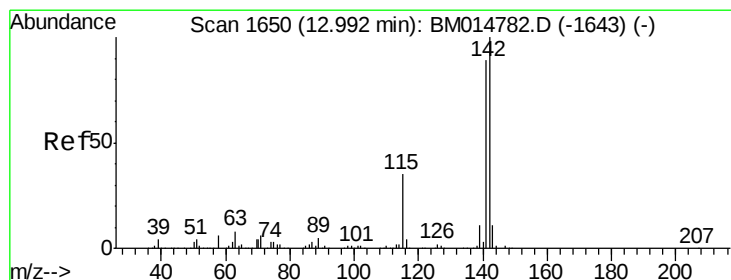
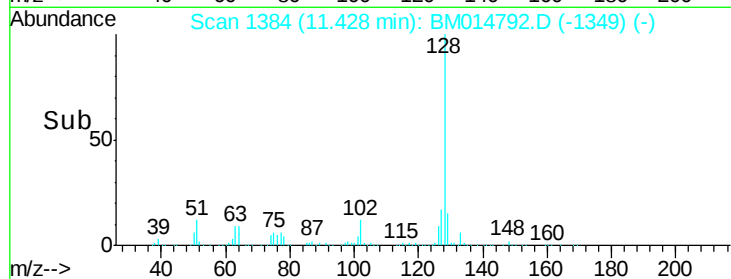
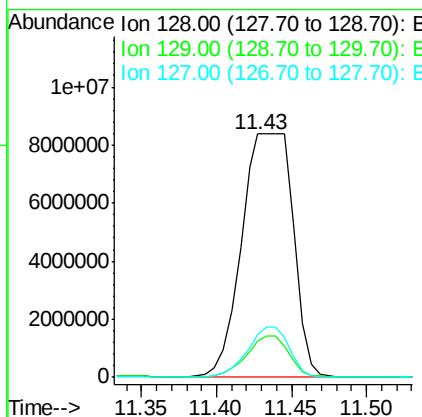
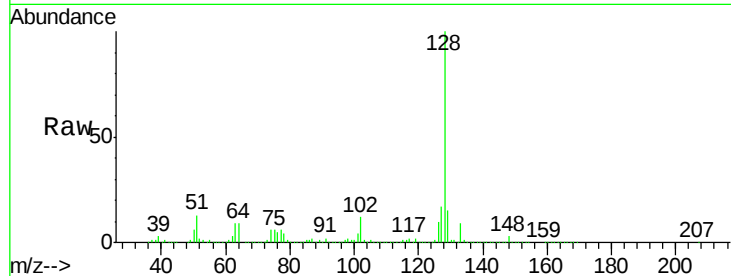
#28
Naphthalene
Concen: 245.077 ng/ul m
RT: 11.43 min Scan# 1384
Delta R.T. 0.01 min
Lab File: BM014792.D
Acq: 24 Apr 2018 00:52

Instrument :
BNA_M
ClientSampleId :
DASP5

Tot Ion:128 Resp:20029001
Ion Ratio Lower Upper
128 100
129 14.7 8.8 13.2#
127 17.3 10.6 16.0#

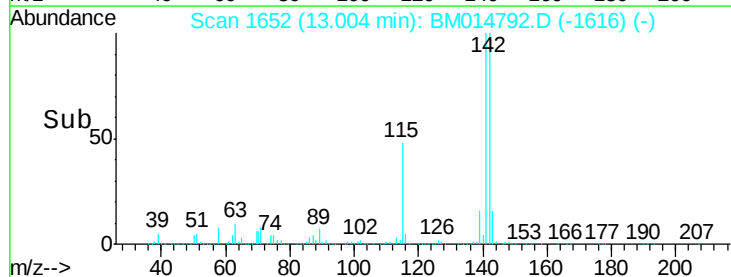
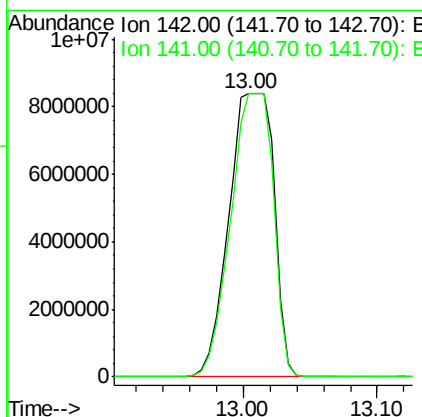
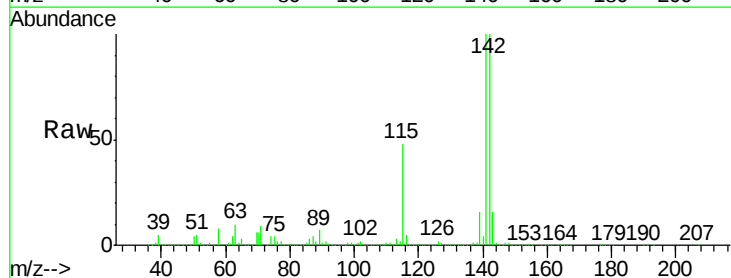
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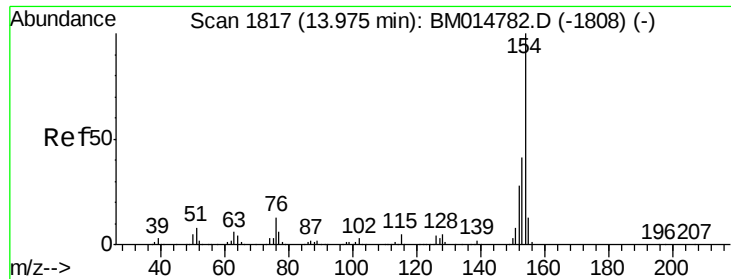
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#34
2-Methylnaphthalene
Concen: 344.488 ng/ul m
RT: 13.00 min Scan# 1652
Delta R.T. 0.01 min
Lab File: BM014792.D
Acq: 24 Apr 2018 00:52

Tgt Ion:142 Resp:19550465
Ion Ratio Lower Upper
142 100
141 100.0 74.1 111.1





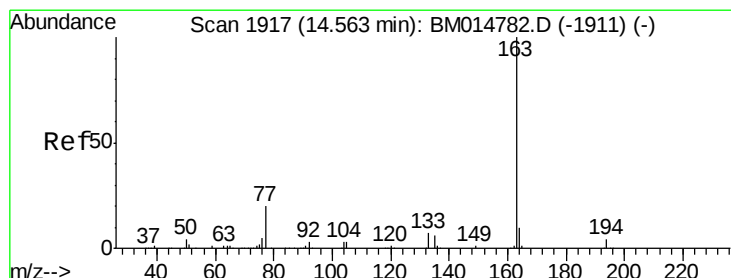
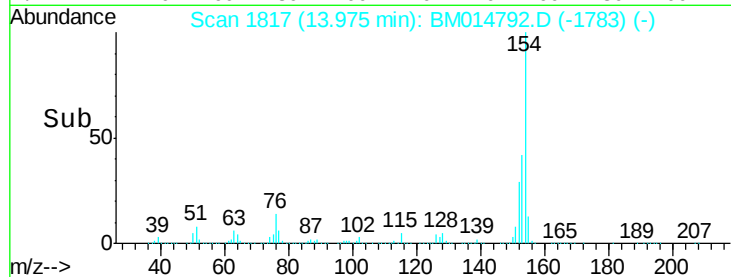
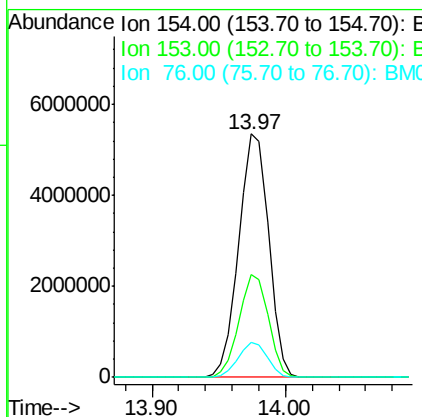
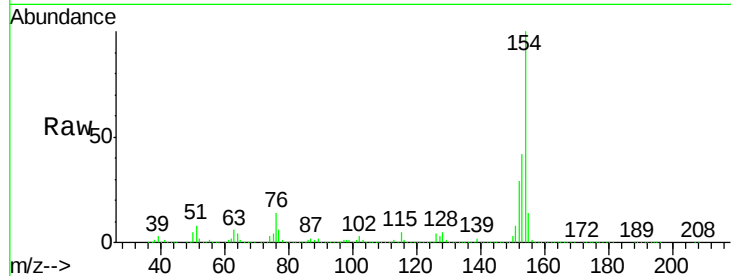
#40
 1,1'-Biphenyl
 Concen: 108.965 ng/ul
 RT: 13.97 min Scan# 1817
 Delta R.T. 0.00 min
 Lab File: BM014792.D
 Acq: 24 Apr 2018 00:52

Instrument :
 BNA_M
 ClientSampleId :
 DASP5

Tot Ion	Ratio	Lower	Upper
154	100		
153	42.1	32.6	48.8
76	14.3	8.5	12.7

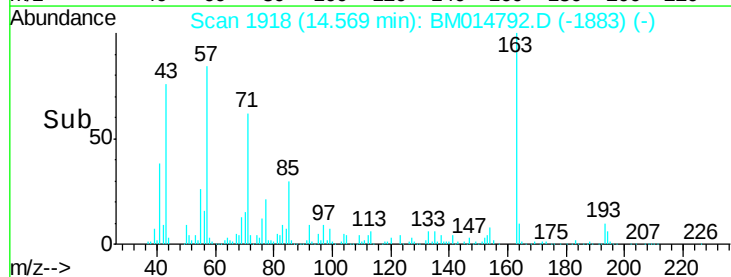
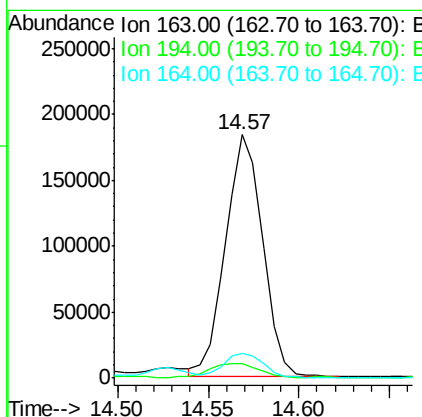
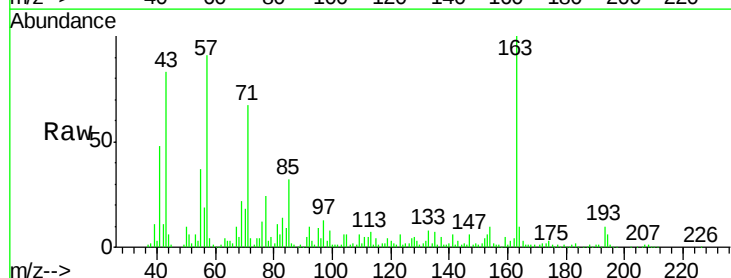
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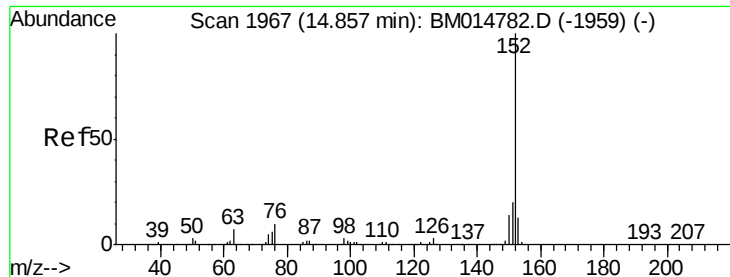
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#44
 Dimethylphthalate
 Concen: 3.664 ng/ul
 RT: 14.57 min Scan# 1918
 Delta R.T. 0.01 min
 Lab File: BM014792.D
 Acq: 24 Apr 2018 00:52

Tgt Ion	Ratio	Lower	Upper
163	100		
194	6.0	3.5	5.3
164	10.2	8.2	12.4





#47

Acenaphthylene

Concen: 16.205 ng/ul

RT: 14.86 min Scan# 1967

Delta R.T. 0.00 min

Lab File: BM014792.D

Acq: 24 Apr 2018 00:52

Instrument :

BNA_M

ClientSampleId :

DASP5

Tot Ion:152 Resp: 1432855

Ion Ratio Lower Upper

152 100

151 21.4 16.3 24.5

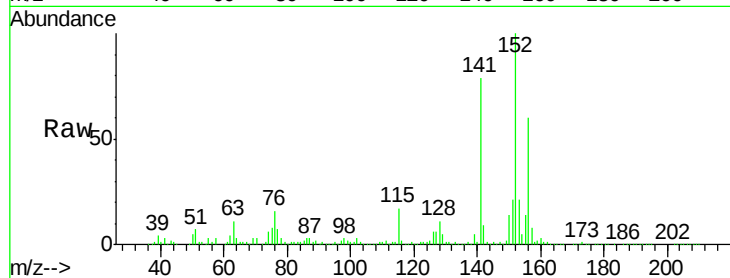
153 20.8 10.2 15.4#

Manual Integrations

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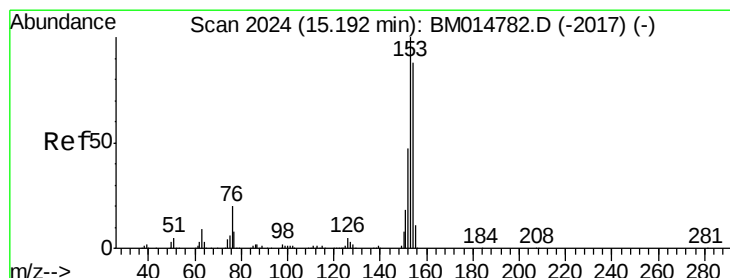
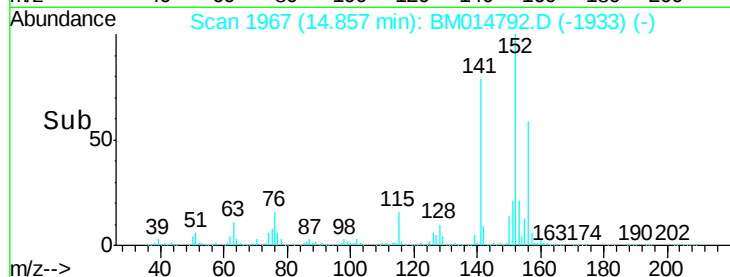
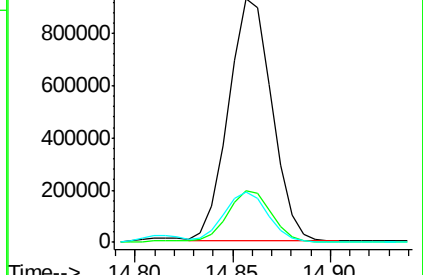
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Acenaphthene

Concen: 388.093 ng/ul m

RT: 15.20 min Scan# 2025

Delta R.T. 0.01 min

Lab File: BM014792.D

Acq: 24 Apr 2018 00:52

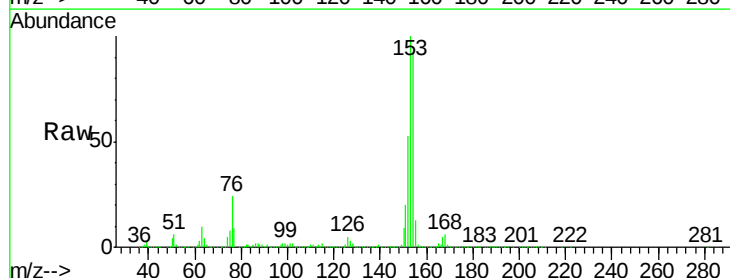
Tgt Ion:153 Resp:24387238

Ion Ratio Lower Upper

153 100

152 52.6 37.6 56.4

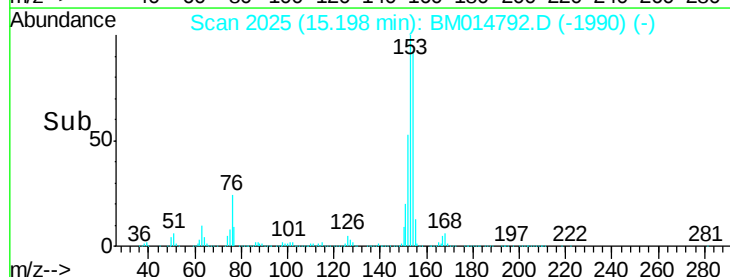
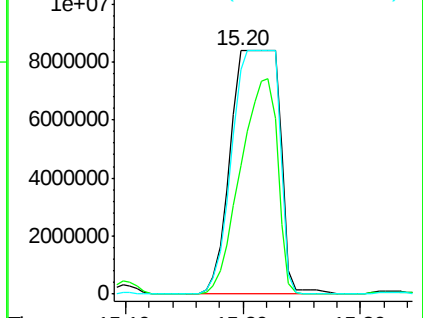
154 92.3 70.4 105.6

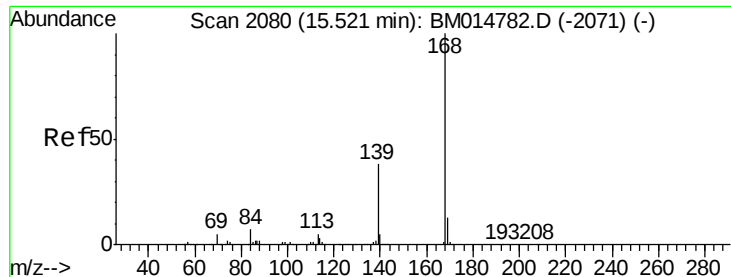


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





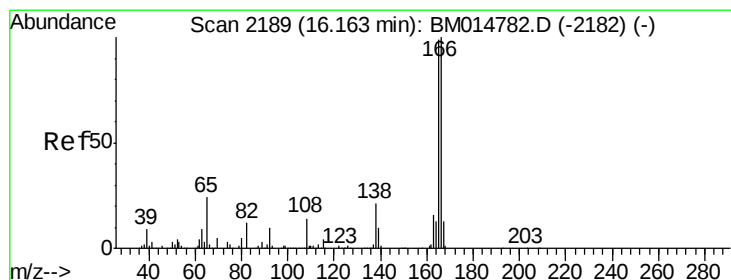
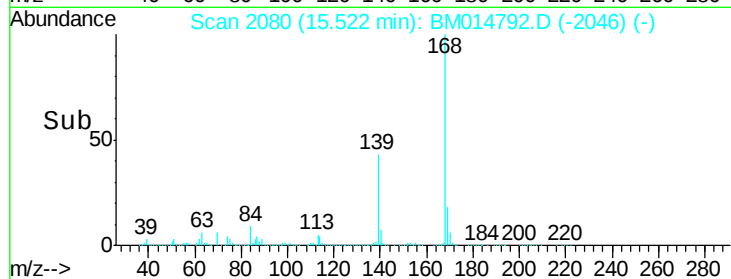
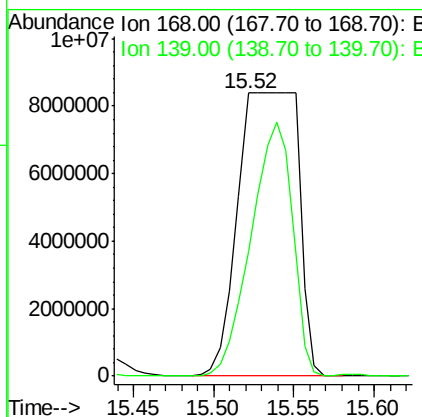
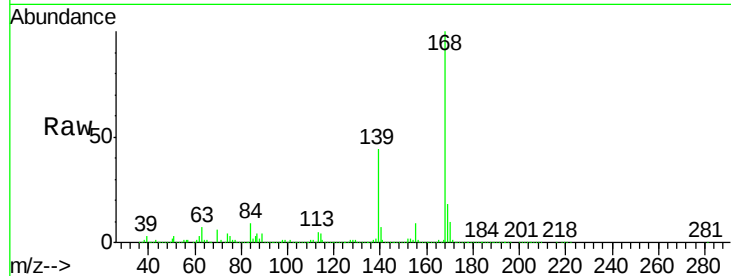
#53
Dibenzenofuran
Concen: 251.850 ng/ul m
RT: 15.52 min Scan# 2080
Delta R.T. 0.00 min
Lab File: BM014792.D
Acq: 24 Apr 2018 00:52

Instrument :
BNA_M
ClientSampleId :
DASP5

Tot Ion:168 Resp:21976442
Ion Ratio Lower Upper
168 100
139 44.0 30.8 46.2

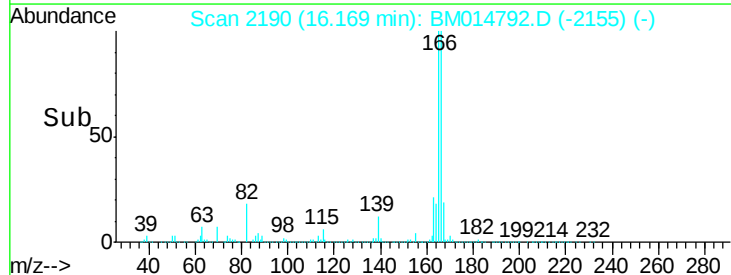
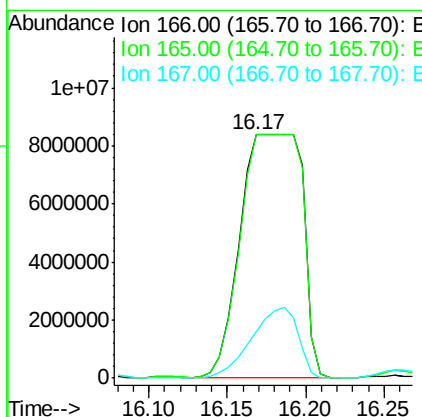
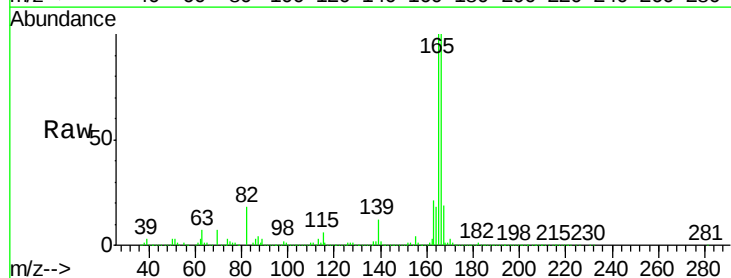
Manual Integrations
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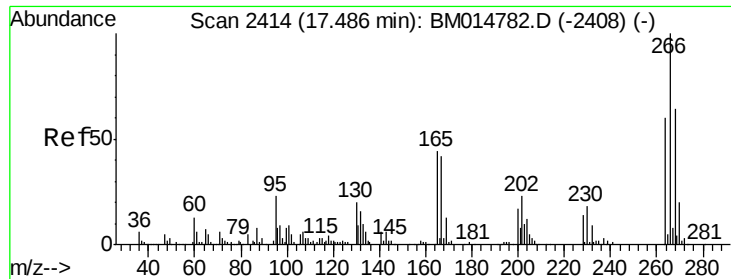
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#58
Fluorene
Concen: 327.116 ng/ul m
RT: 16.17 min Scan# 2190
Delta R.T. 0.01 min
Lab File: BM014792.D
Acq: 24 Apr 2018 00:52

Tgt Ion:166 Resp:23048532
Ion Ratio Lower Upper
166 100
165 100.0 77.9 116.9
167 19.3 10.6 16.0#





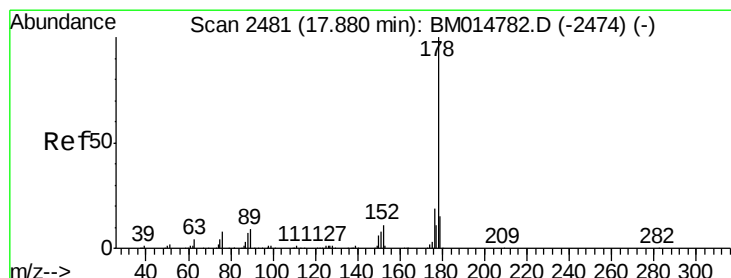
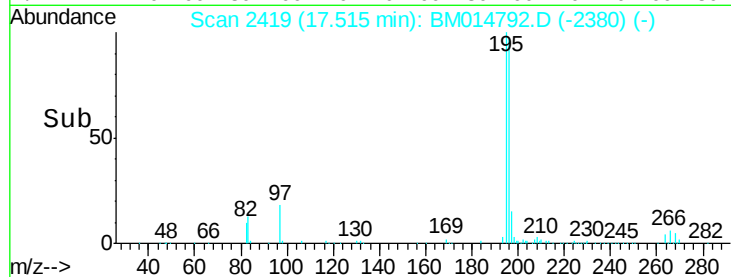
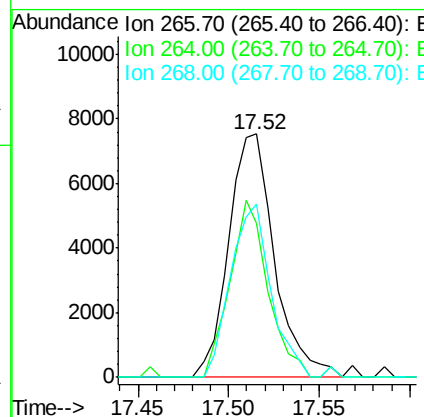
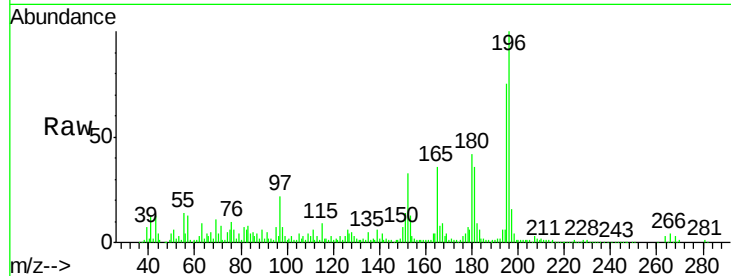
#68
 Pentachlorophenol
 Concen: 1.059 ng/ul
 RT: 17.52 min Scan# 2419
 Delta R.T. 0.03 min
 Lab File: BM014792.D
 Acq: 24 Apr 2018 00:52

Instrument :
 BNA_M
 ClientSampled :
 DASP5

Tot Ion	Ratio	Lower	Upper
266	100		
264	63.2	49.3	73.9
268	71.3	52.6	78.8

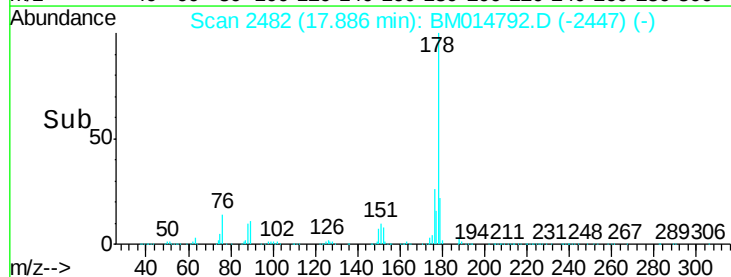
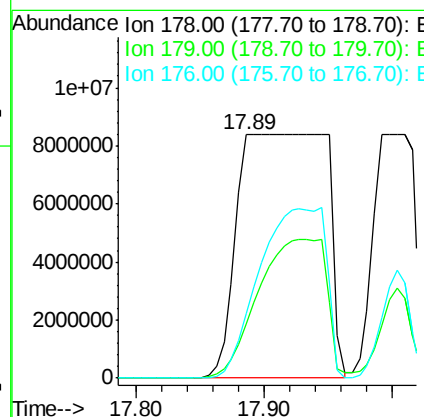
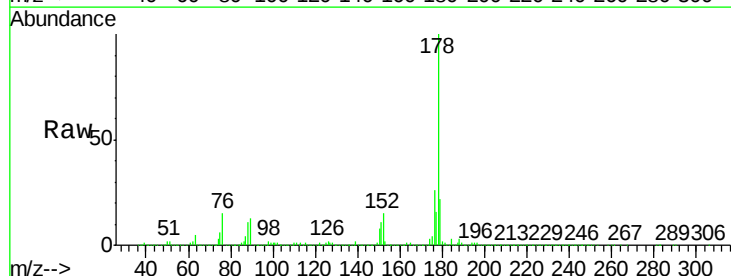
Manual Integrations
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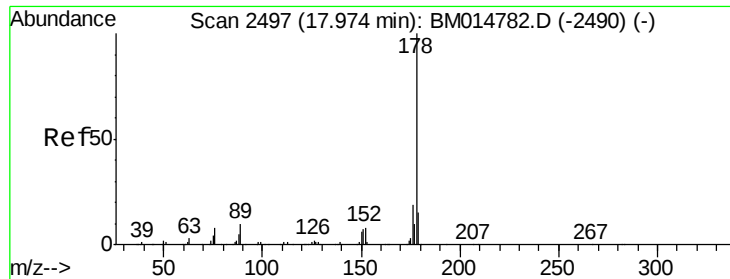
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#69
 Phenanthrene
 Concen: 417.070 ng/ul m
 RT: 17.89 min Scan# 2482
 Delta R.T. 0.01 min
 Lab File: BM014792.D
 Acq: 24 Apr 2018 00:52

Tgt Ion	Ratio	Lower	Upper
178	100		
179	22.4	12.6	19.0#
176	26.3	14.9	22.3#





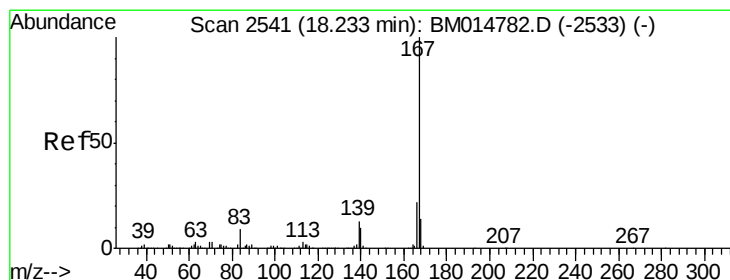
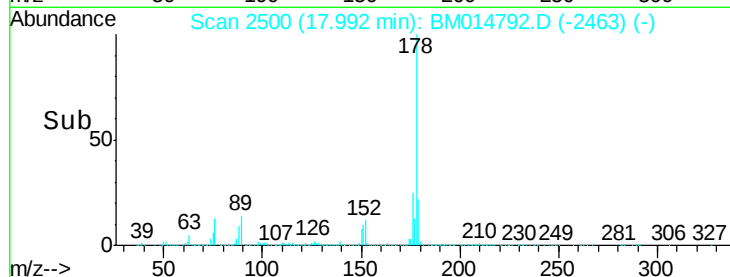
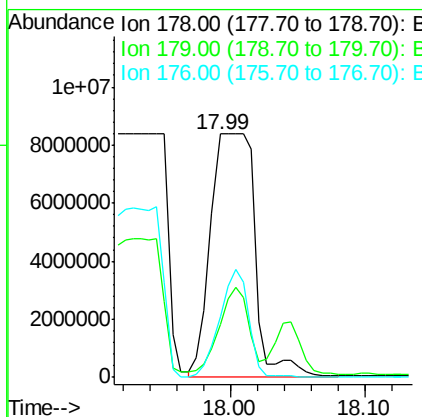
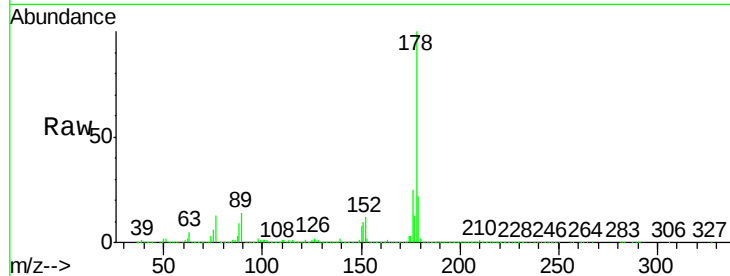
#71
 Anthracene
 Concen: 195.916 ng/ul m
 RT: 17.99 min Scan# 2500
 Delta R.T. 0.02 min
 Lab File: BM014792.D
 Acq: 24 Apr 2018 00:52

Instrument :
 BNA_M
 ClientSampleId :
 DASP5

Tot Ion:178 Resp:19135671
 Ion Ratio Lower Upper
 178 100
 179 21.9 11.7 17.5#
 176 25.0 14.6 21.8#

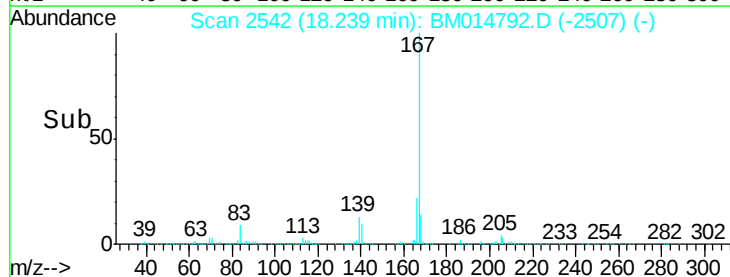
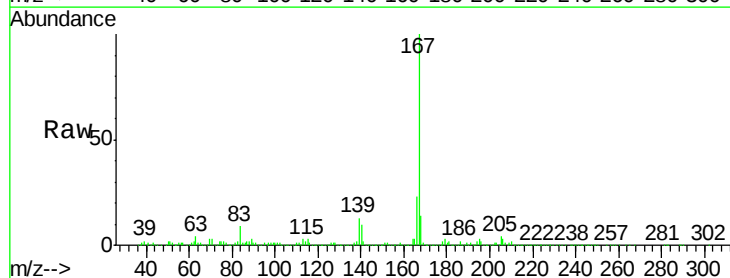
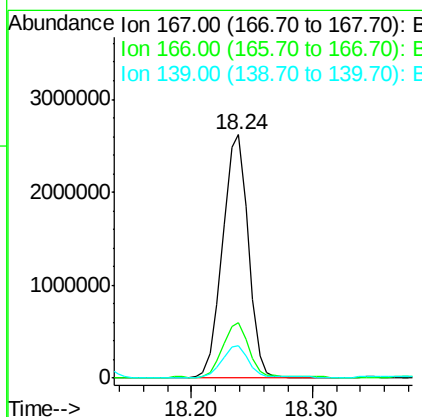
Manual Integrations
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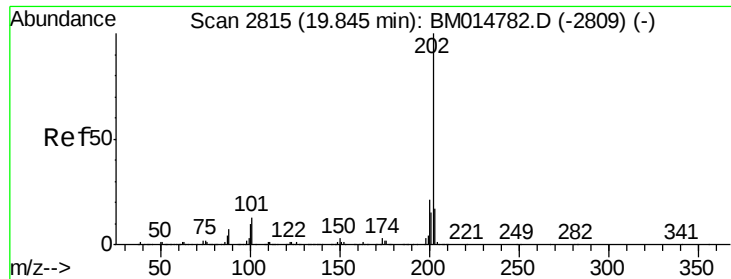
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#72
 Carbazole
 Concen: 46.124 ng/ul
 RT: 18.24 min Scan# 2542
 Delta R.T. 0.01 min
 Lab File: BM014792.D
 Acq: 24 Apr 2018 00:52

Tgt Ion:167 Resp: 3843191
 Ion Ratio Lower Upper
 167 100
 166 22.6 17.1 25.7
 139 13.1 10.0 15.0





#74

Fluoranthene

Concen: 308.398 ng/ul m

RT: 19.85 min Scan# 2816

Delta R.T. 0.01 min

Lab File: BM014792.D

Acq: 24 Apr 2018 00:52

Instrument :

BNA_M

ClientSampleId :

DASP5

Tot Ion:202 Resp:32359799

Ion Ratio Lower Upper

202 100

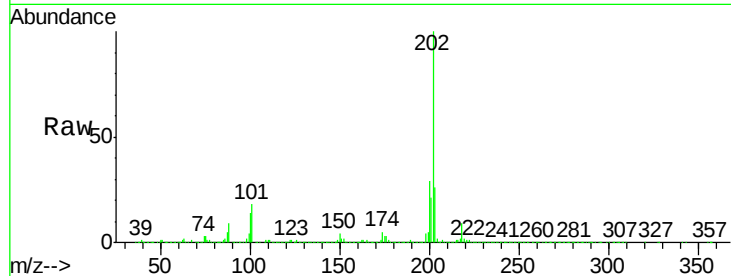
101 18.4 4.6 7.0#

100 14.0 3.4 5.2#

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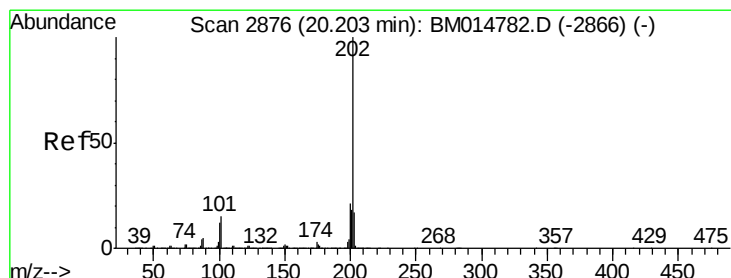
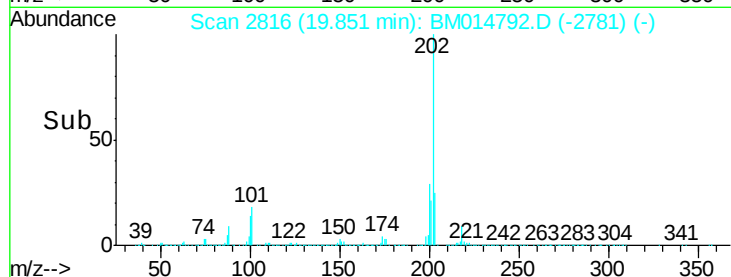
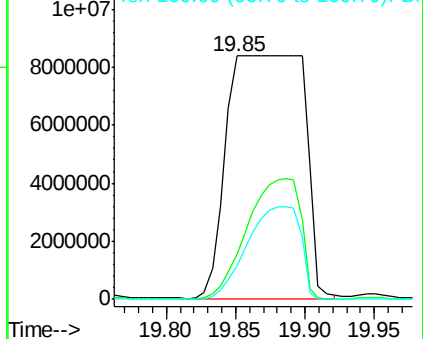
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 264.325 ng/ul m

RT: 20.21 min Scan# 2877

Delta R.T. 0.01 min

Lab File: BM014792.D

Acq: 24 Apr 2018 00:52

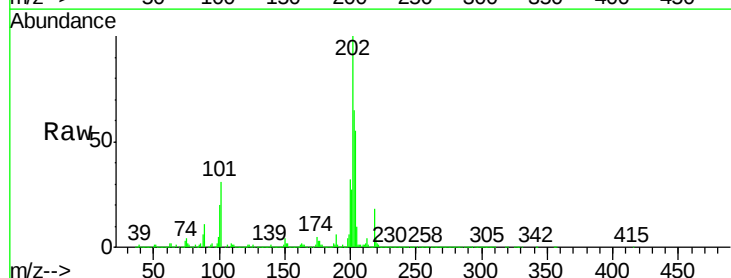
Tgt Ion:202 Resp:29798798

Ion Ratio Lower Upper

202 100

101 31.2 5.1 7.7#

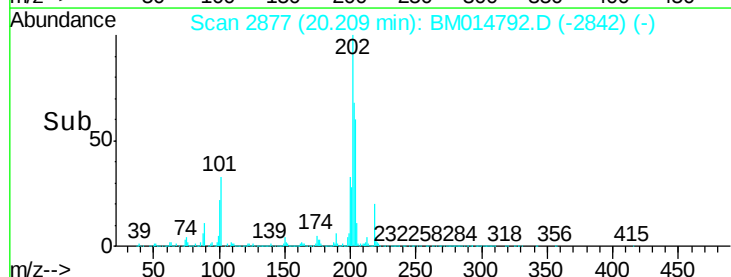
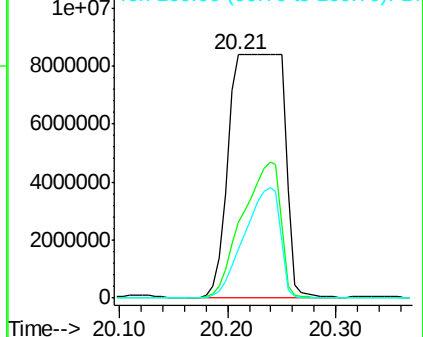
100 20.3 4.9 7.3#

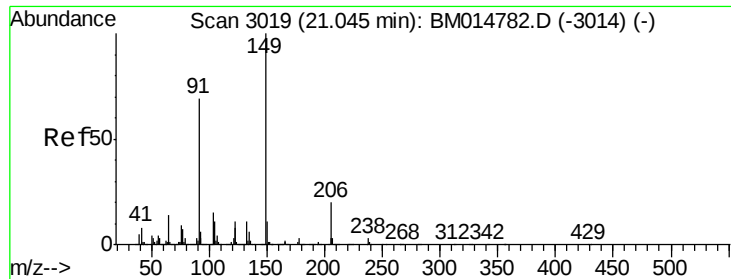


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#78

Butylbenzylphthalate

Concen: 4.694 ng/ul

RT: 21.04 min Scan# 3019

Delta R.T. 0.00 min

Lab File: BM014792.D

Acq: 24 Apr 2018 00:52

Instrument :

BNA_M

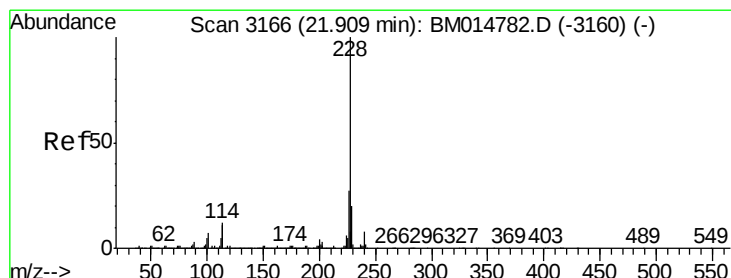
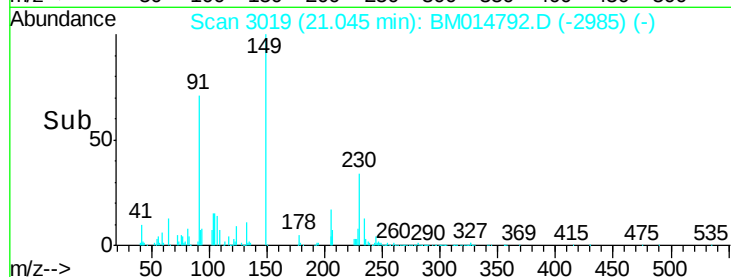
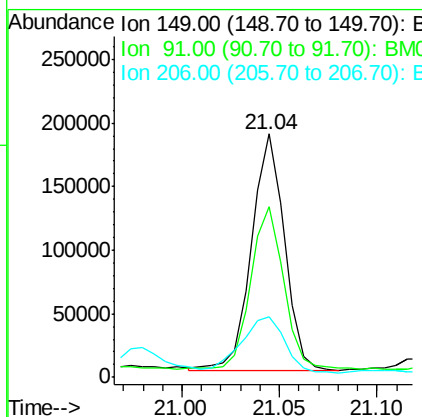
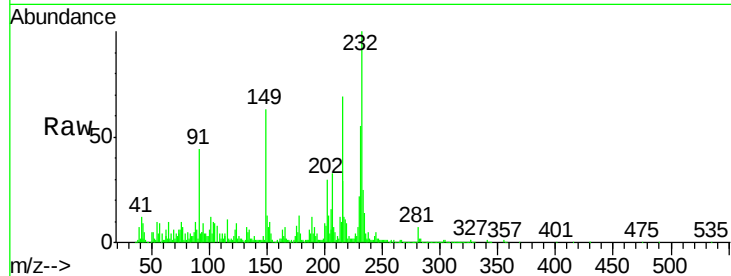
ClientSampleId :

DASP5

Tot Ion:	149	Resp:	215902
Ion Ratio	Lower	Upper	
149	100		
91	70.2	62.7	94.1
206	24.8	20.8	31.2

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 175.101 ng/ul m

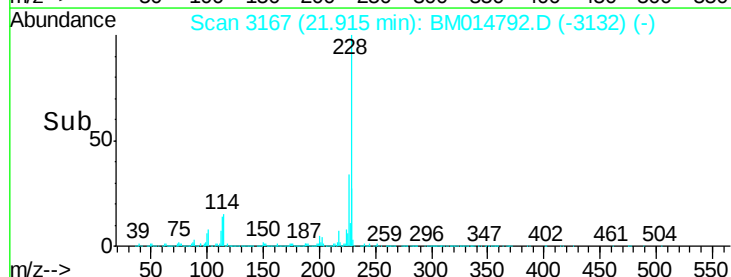
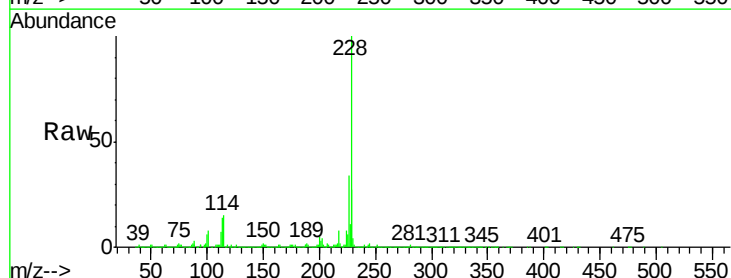
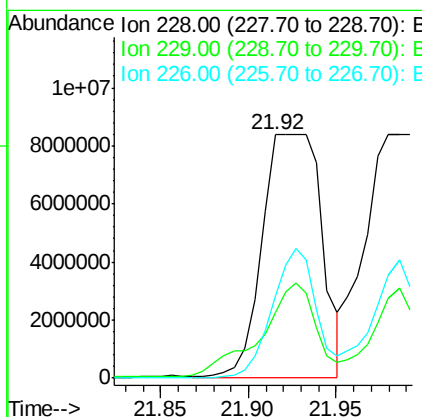
RT: 21.92 min Scan# 3167

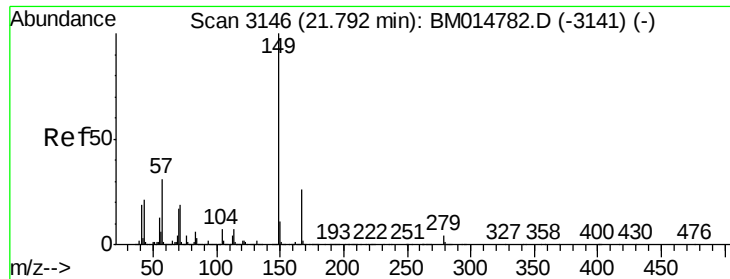
Delta R.T. 0.01 min

Lab File: BM014792.D

Acq: 24 Apr 2018 00:52

Tgt Ion:	228	Resp:	19757046
Ion Ratio	Lower	Upper	
228	100		
229	27.0	15.4	23.0#
226	33.7	21.4	32.0#





#81

Bis(2-ethylhexyl)phthalate

Concen: 147.561 ng/ul

RT: 21.80 min Scan# 3147

Delta R.T. 0.01 min

Lab File: BM014792.D

Acq: 24 Apr 2018 00:52

Instrument :

BNA_M

ClientSampled :

DASP5

Tot Ion:149 Resp: 9961840

Ion Ratio Lower Upper

149 100

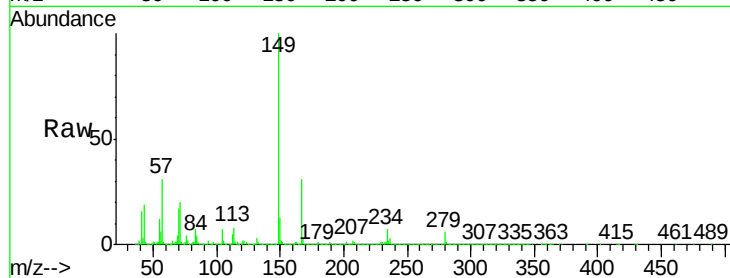
167 30.8 22.8 34.2

279 5.5 4.9 7.3

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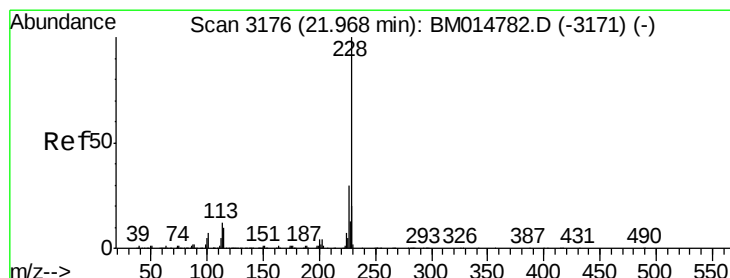
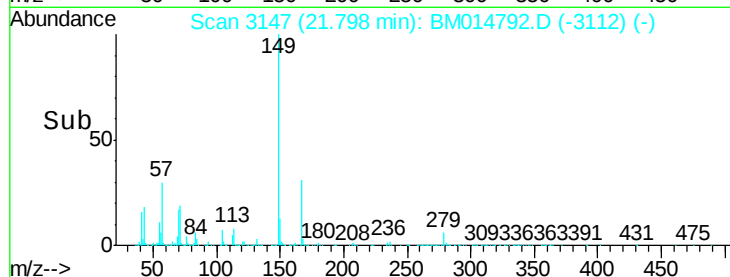
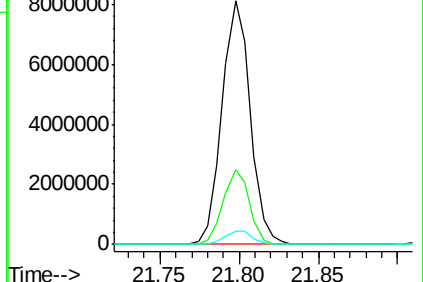
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#82

Chrysene

Concen: 163.293 ng/ul

RT: 21.98 min Scan# 3178

Delta R.T. 0.01 min

Lab File: BM014792.D

Acq: 24 Apr 2018 00:52

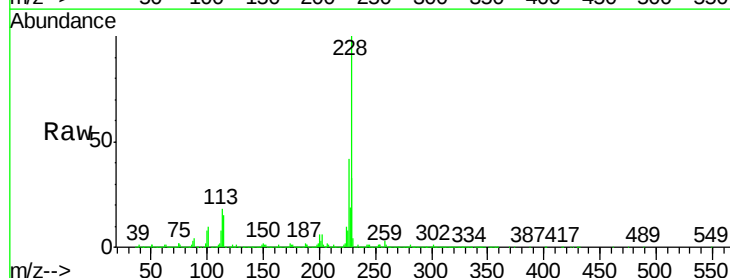
Tgt Ion:228 Resp:17248287

Ion Ratio Lower Upper

228 100

226 42.1 23.4 35.2#

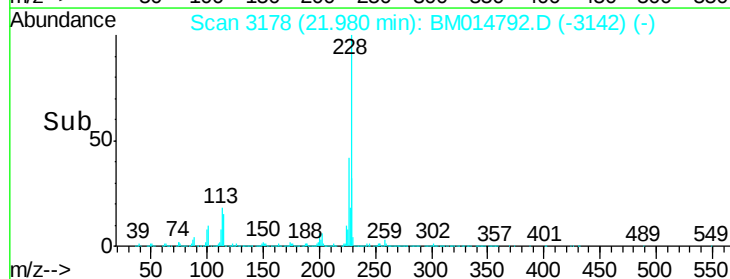
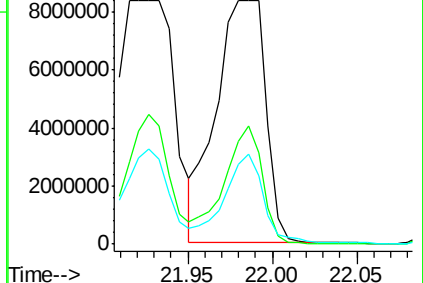
229 32.5 15.5 23.3#

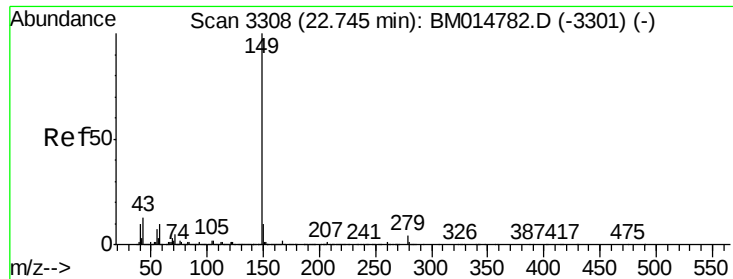


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

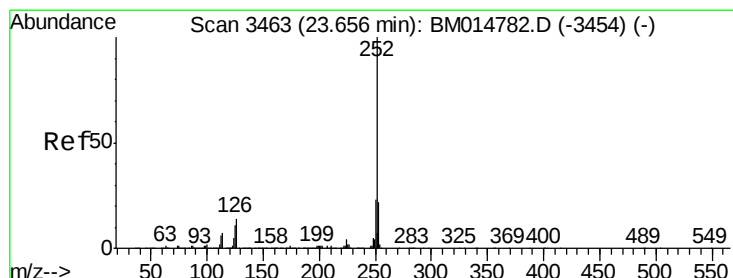
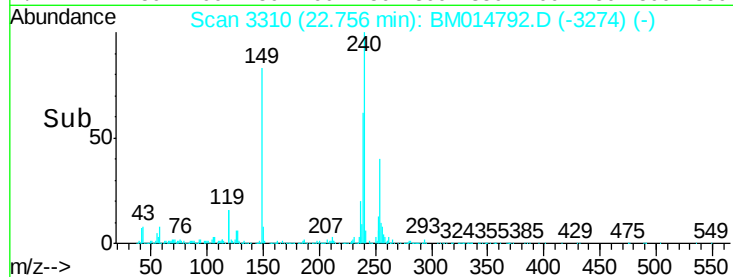
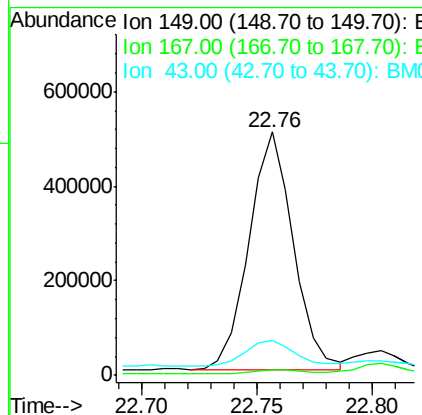
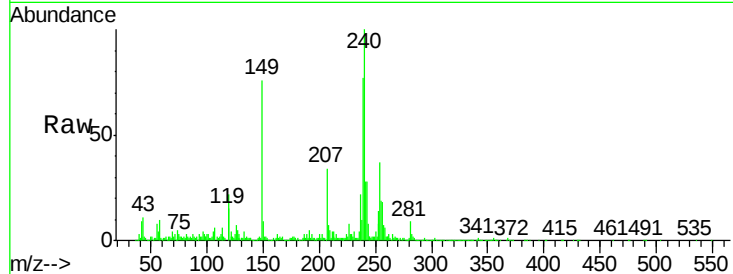
Di-n-octyl phthalate
Concen: 5.889 ng/ul
RT: 22.76 min Scan# 3310
Delta R.T. 0.01 min
Lab File: BM014792.D
Acq: 24 Apr 2018 00:52

Instrument :
BNA_M
ClientSampleId :
DASP5

Tot Ion	Ratio	Lower	Upper
149	100		
167	2.4	1.3	1.9#
43	14.4	7.3	10.9#

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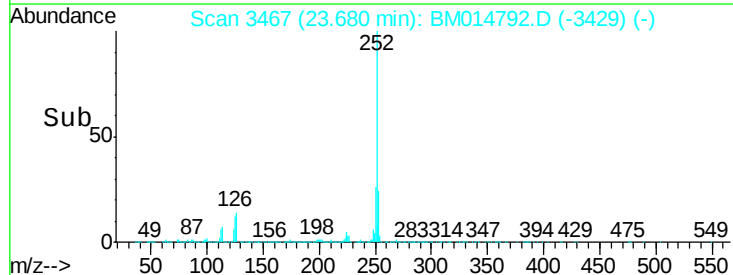
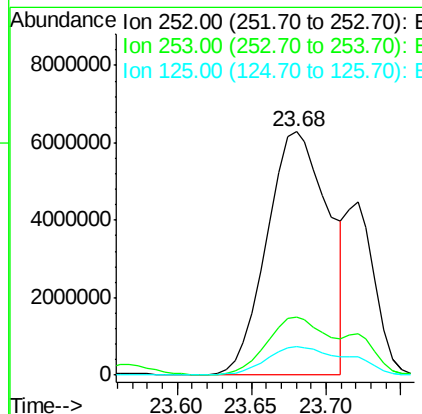
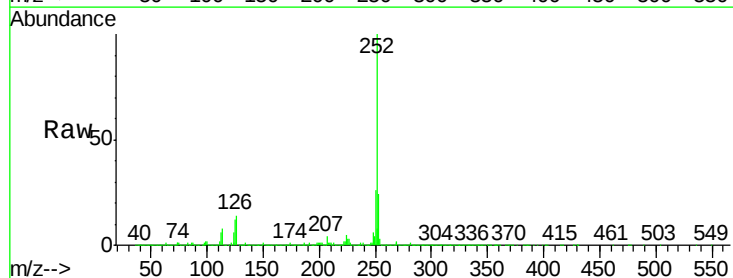
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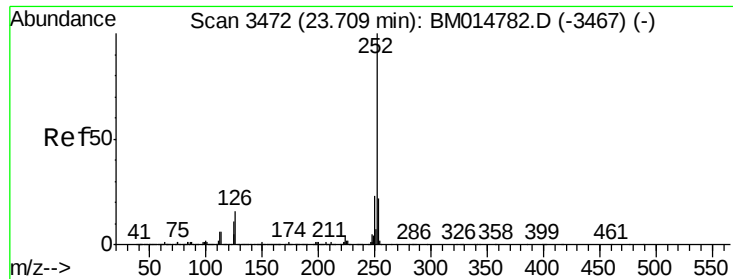


#85

Benzo(b)fluoranthene
Concen: 153.631 ng/ul
RT: 23.68 min Scan# 3467
Delta R.T. 0.02 min
Lab File: BM014792.D
Acq: 24 Apr 2018 00:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	12.0	3.6	5.4#





#86

Benzo(k)fluoranthene

Concen: 51.684 ng/ul m

RT: 23.72 min Scan# 3474

Delta R.T. 0.01 min

Lab File: BM014792.D

Acq: 24 Apr 2018 00:52

Instrument :

BNA_M

ClientSampleId :

DASP5

Tot Ion:252 Resp: 5842297

Ion Ratio Lower Upper

252 100

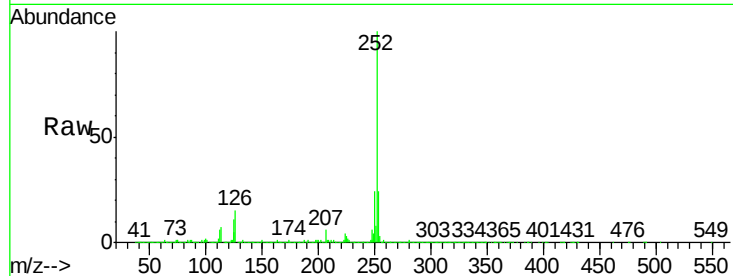
253 23.9 17.1 25.7

125 10.8 3.4 5.2#

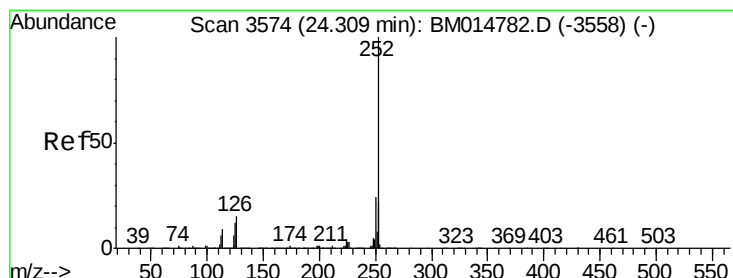
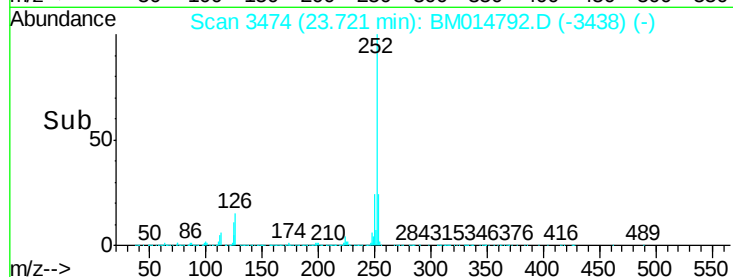
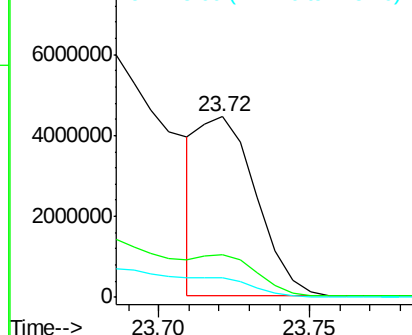
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(a)pyrene

Concen: 105.173 ng/ul

RT: 24.33 min Scan# 3578

Delta R.T. 0.02 min

Lab File: BM014792.D

Acq: 24 Apr 2018 00:52

Tgt Ion:252 Resp:11727650

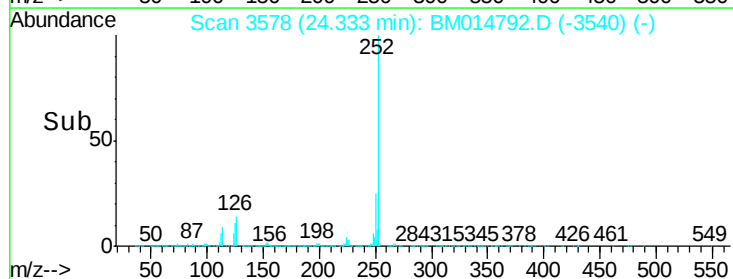
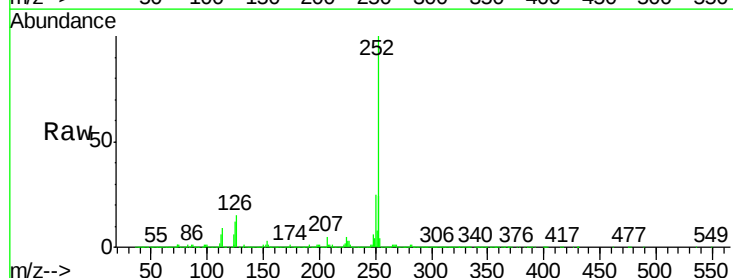
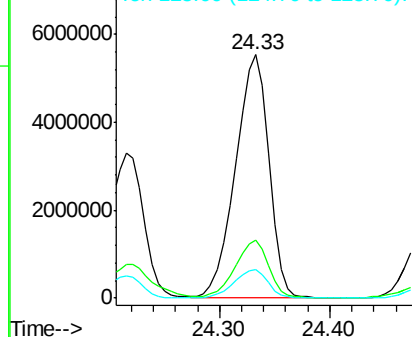
Ion Ratio Lower Upper

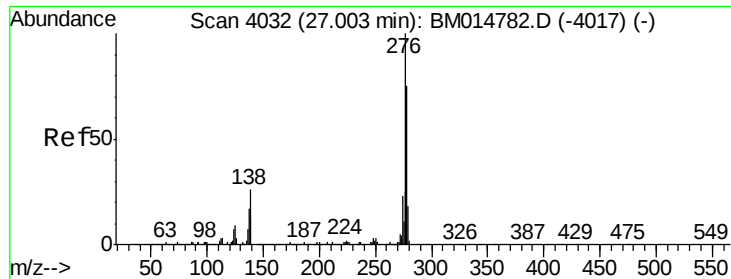
252 100

253 23.6 18.2 27.2

125 11.7 4.0 6.0#

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





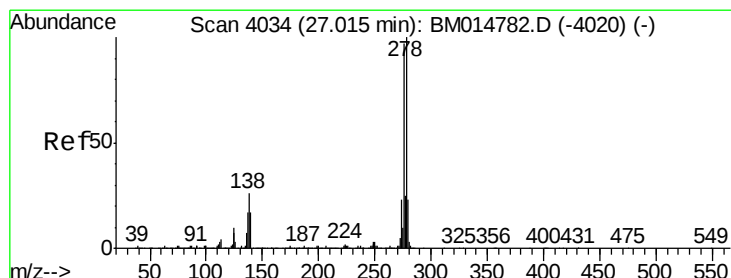
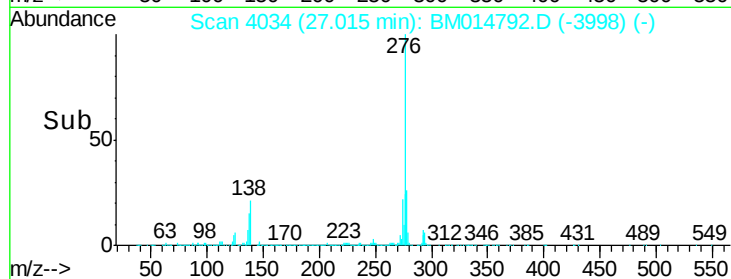
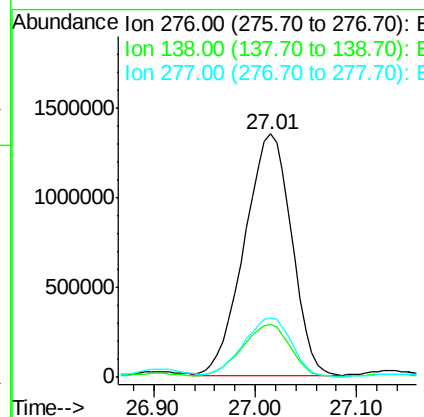
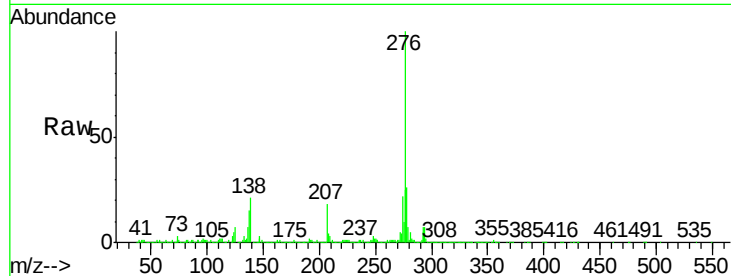
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 32.227 ng/ul
 RT: 27.01 min Scan# 4034
 Delta R.T. 0.01 min
 Lab File: BM014792.D
 Acq: 24 Apr 2018 00:52

Instrument :
 BNA_M
 ClientSampleId :
 DASP5

Tot Ion:276 Resp: 4347350
 Ion Ratio Lower Upper
 276 100
 138 21.5 9.3 13.9#
 277 24.6 19.9 29.9

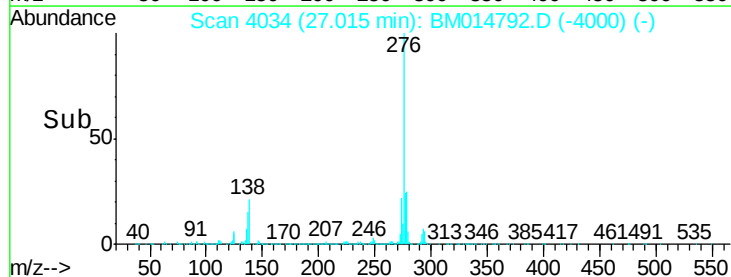
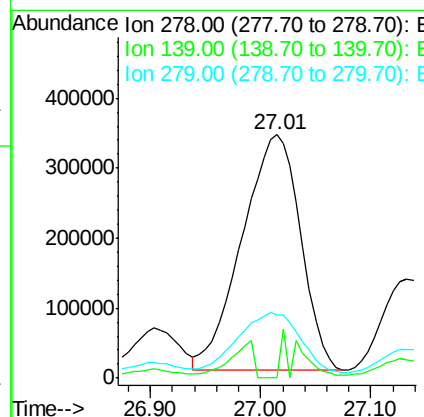
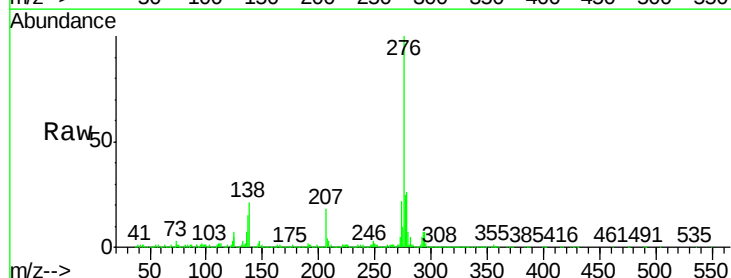
Manual Integrations
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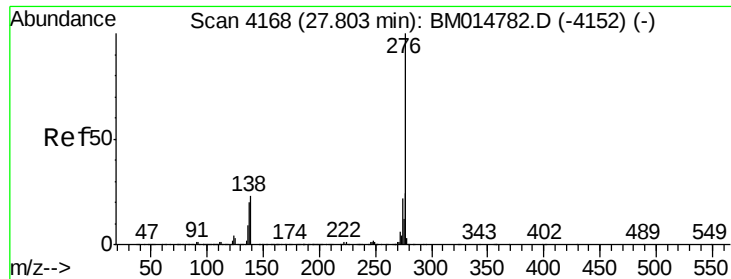
Sohil
 4/24/2018 7:13:34 PM



#90
 Dibenzo(a,h)anthracene
 Concen: 10.969 ng/ul
 RT: 27.01 min Scan# 4034
 Delta R.T. 0.00 min
 Lab File: BM014792.D
 Acq: 24 Apr 2018 00:52

Tgt Ion:278 Resp: 1245915
 Ion Ratio Lower Upper
 278 100
 139 0.0 5.8 8.8#
 279 26.1 18.6 27.8





#91
 Benzo(a,h,i)perylene
 Concen: 31.182 ng/ul
 RT: 27.81 min Scan# 4170
 Delta R.T. 0.01 min
 Lab File: BM014792.D
 Acq: 24 Apr 2018 00:52

Instrument :
 BNA_M
 ClientSampleId :
 DASP5

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.3	8.5	12.7#
277	24.0	18.6	28.0

Manual Integrations
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