

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042318\
 Data File : BM014797.D
 Acq On : 24 Apr 2018 03:53
 Operator : SJ/JU
 Sample : J2431-13
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DASP4

Manual Integrations
 APPROVED

Sohil
 4/24/2018 7:13:40 PM

Quant Time: Apr 24 04:45:40 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	400541	20.00	ng/ul	0.00
18) Naphthalene-d8	11.37	136	1661332	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.13	164	863282	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.85	188	1784441	20.00	ng/ul	0.01
75) Chrysene-d12	21.94	240	1833351	20.00	ng/ul	0.01
83) Perylene-d12	24.43	264	1914075	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.66	96	60417	6.59	ng/uL	0.00
5) Phenol-d5	7.65	99	1172294	37.86	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.83	67	794124	39.99	ng/ul	0.00
9) 2-Chlorophenol-d4	8.05	132	979988	37.83	ng/ul	0.00
13) 4-Methylphenol-d8	9.22	113	914746	37.04	ng/ul	0.00
19) Nitrobenzene-d5	9.71	128	460263	38.32	ng/ul	0.00
22) 2-Nitrophenol-d4	10.44	143	491234	41.07	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.97	165	880014	36.21	ng/ul	0.00
29) 4-Chloroaniline-d4	11.49	131	1160043	48.36	ng/ul	0.00
43) Dimethylphthalate-d6	14.52	166	2490844	36.96	ng/ul	0.00
46) Acenaphthylene-d8	14.83	160	3072094	36.92	ng/ul	0.00
51) 4-Nitrophenol-d4	15.29	143	329011	26.31	ng/ul	0.00
57) Fluorene-d10	16.10	176	2138090	36.48	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.22	200	88100	9.12	ng/ul	0.02
70) Anthracene-d10	17.95	188	3118647	37.50	ng/ul	0.01
76) Pyrene-d10	20.19	212	3443335	39.70	ng/ul	0.01
87) Benzo(a)pyrene-d12	24.27	264	3781061	40.21	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	7.67	94	74293	2.439	ng/ul#	82
28) Naphthalene	11.42	128	313443	3.872	ng/ul	97
34) 2-Methylnaphthalene	12.99	142	532776	9.477	ng/ul	97
40) 1,1'-Biphenyl	13.97	154	420126	6.052	ng/ul#	98
44) Dimethylphthalate	14.56	163	401256	6.160	ng/ul	99
47) Acenaphthylene	14.86	152	504346	6.256	ng/ul#	96
49) Acenaphthene	15.19	153	2726570	47.589	ng/ul	98
53) Dibenzofuran	15.52	168	4232725	53.202	ng/ul	99
58) Fluorene	16.16	166	7608748	118.438	ng/ul	98
69) Phenanthrene	17.89	178	29675497m	309.662	ng/ul	
71) Anthracene	17.99	178	14665227	150.788	ng/ul#	81
72) Carbazole	18.23	167	162421	1.958	ng/ul#	80
74) Fluoranthene	19.85	202	29171847m	279.204	ng/ul	
77) Pyrene	20.21	202	25720145m	240.109	ng/ul	
78) Butylbenzylphthalate	21.04	149	552958	12.653	ng/ul	89
80) Benzo(a)anthracene	21.91	228	16449097	153.428	ng/ul#	87
81) Bis(2-ethylhexyl)phthalate	21.80	149	8059858	125.648	ng/ul	98
82) Chrysene	21.98	228	14045902	139.948	ng/ul#	84
84) Di-n-octyl phthalate	22.76	149	494866	4.495	ng/ul#	87
85) Benzo(b)fluoranthene	23.67	252	12866188	114.028	ng/ul#	95
86) Benzo(k)fluoranthene	23.71	252	4152715m	38.274	ng/ul	
88) Benzo(a)pyrene	24.33	252	7842667	73.274	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	27.01	276	3003746	23.198	ng/ul#	91

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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	880131	8.073	ng/ul#	89
91) Benzo(g,h,i)perylene	27.81	276	2140456	20.094	ng/ul#	88

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

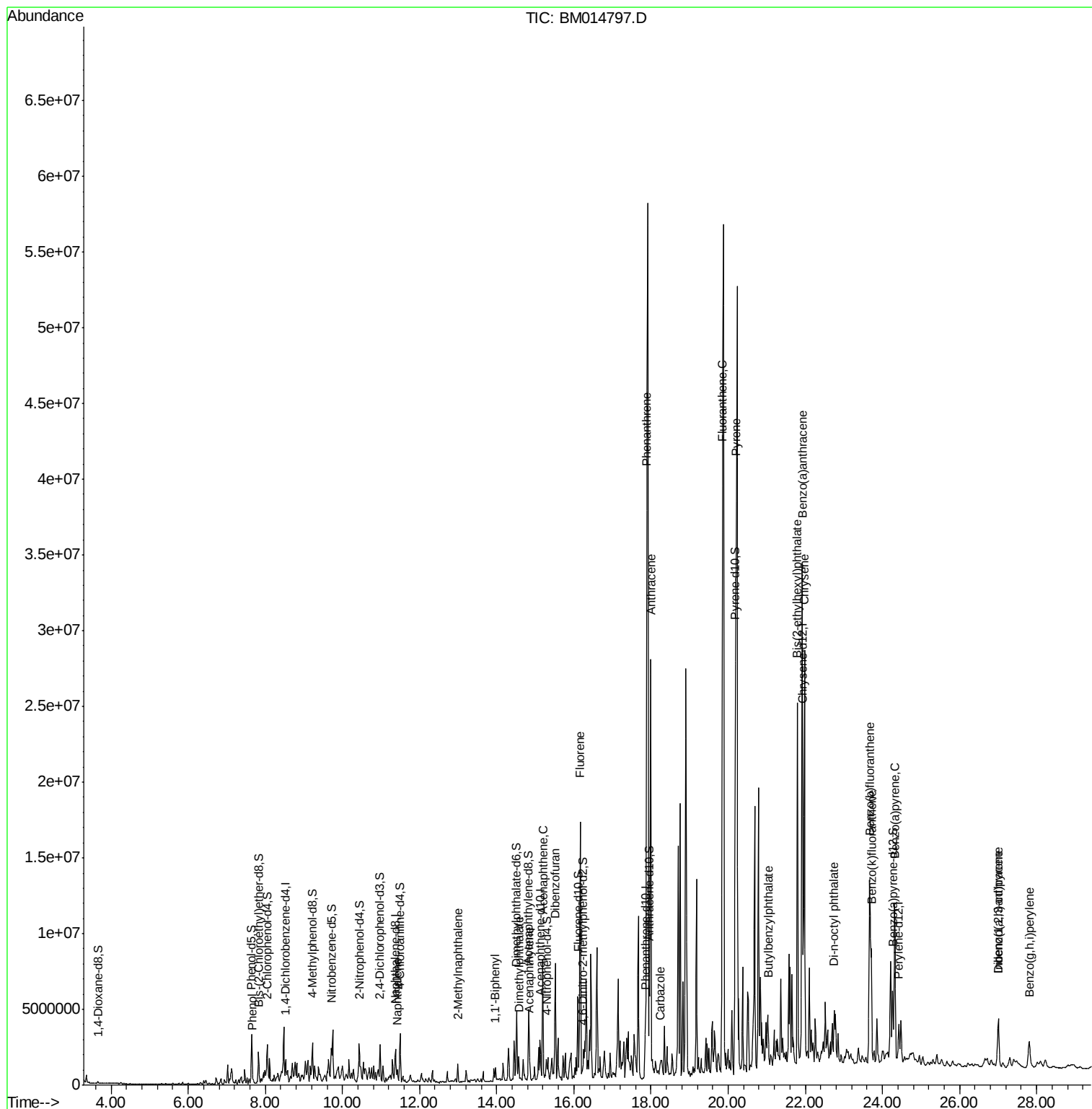
Data Path : Z:\HPCHEM1\BNA M\DATA\BM042318\
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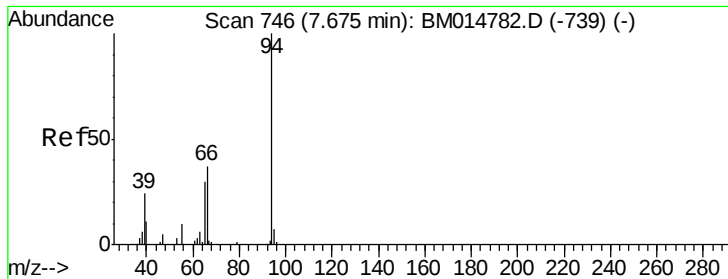
Instrument :
 BNA_M
 ClientSampleId :
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#6

Phenol

Concen: 2.439 ng/ul

RT: 7.67 min Scan# 746

Delta R.T. -0.00 min

Lab File: BM014797.D

Acq: 24 Apr 2018 03:53

Instrument :

BNA_M

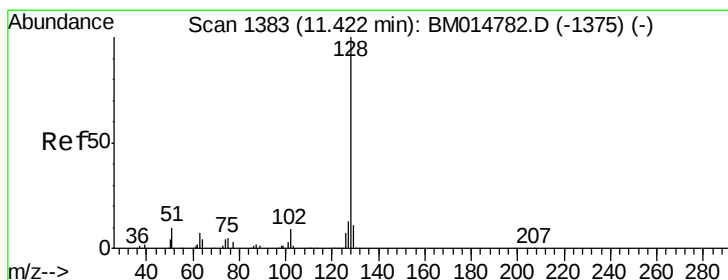
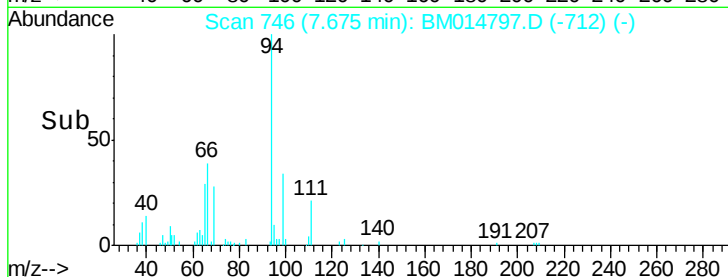
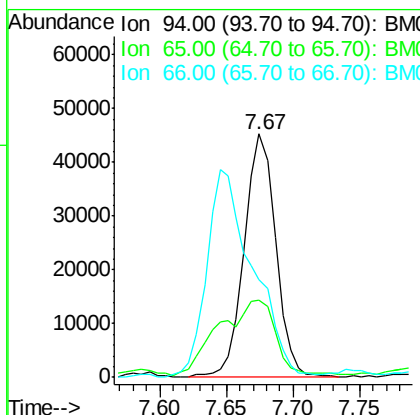
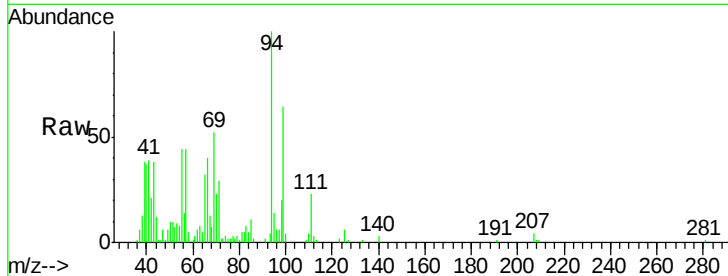
ClientSampleId :

DASP4

Tot Ion:	94	Resp:	74293
Ion	Ratio	Lower	Upper
94	100		
65	31.6	28.2	42.4
66	40.1	47.2	70.8#

Manual Integrations
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#28

Naphthalene

Concen: 3.872 ng/ul

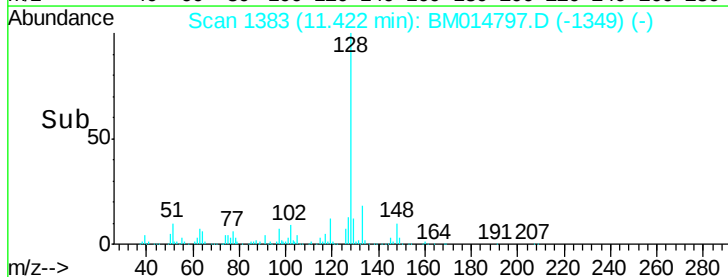
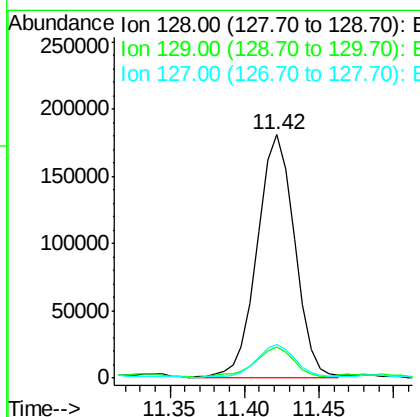
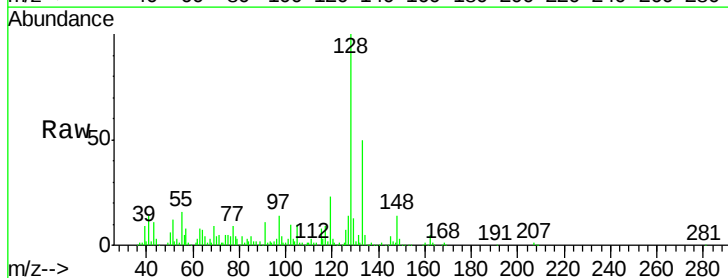
RT: 11.42 min Scan# 1383

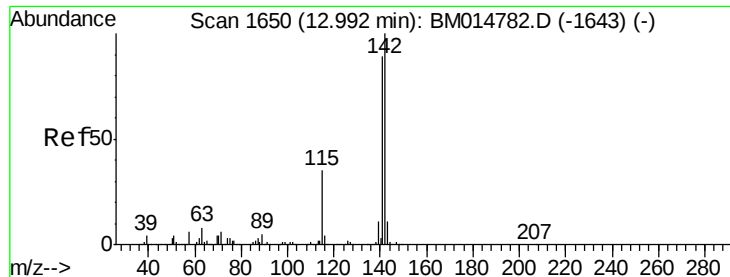
Delta R.T. -0.00 min

Lab File: BM014797.D

Acq: 24 Apr 2018 03:53

Tgt Ion:	128	Resp:	313443
Ion	Ratio	Lower	Upper
128	100		
129	12.7	8.8	13.2
127	13.8	10.6	16.0





#34

2-Methylnaphthalene

Concen: 9.477 ng/ul

RT: 12.99 min Scan# 1650

Delta R.T. -0.00 min

Lab File: BM014797.D

Acq: 24 Apr 2018 03:53

Instrument :

BNA_M

ClientSampleId :

DASP4

Tot Ion:142 Resp: 532776

Ion Ratio Lower Upper

142 100

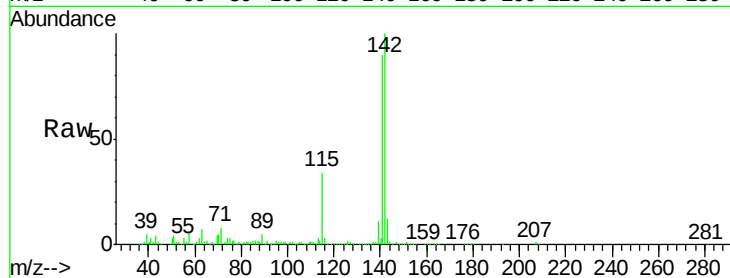
141 89.9 74.1 111.1

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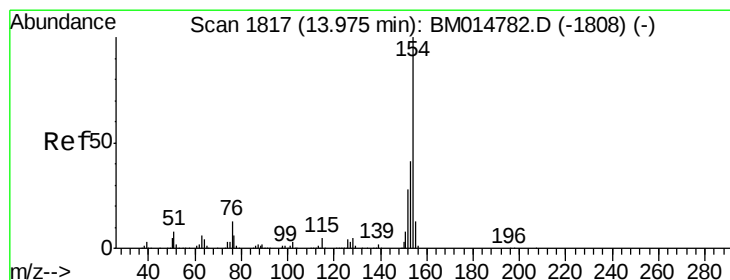
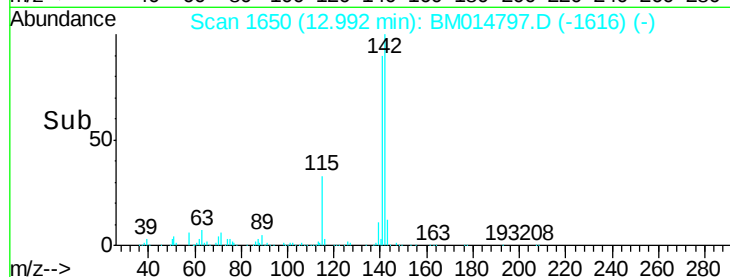
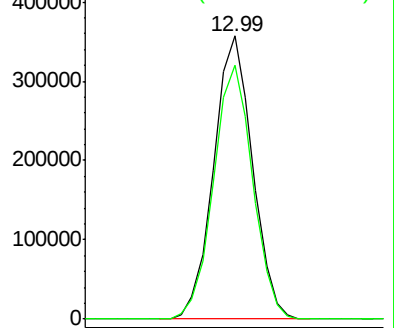
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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#40

1,1'-Biphenyl

Concen: 6.052 ng/ul

RT: 13.97 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BM014797.D

Acq: 24 Apr 2018 03:53

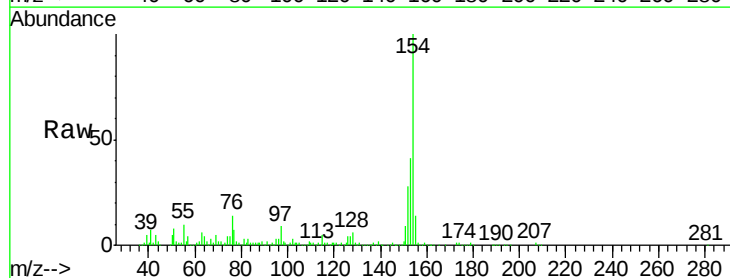
Tgt Ion:154 Resp: 420126

Ion Ratio Lower Upper

154 100

153 40.7 32.6 48.8

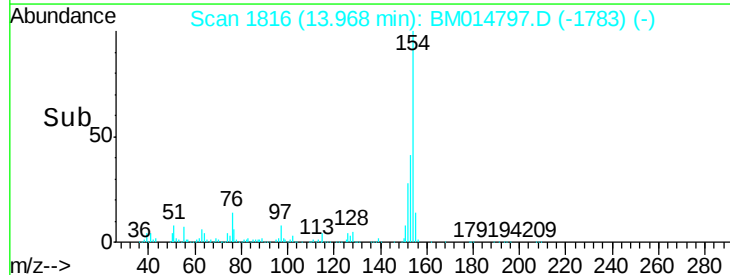
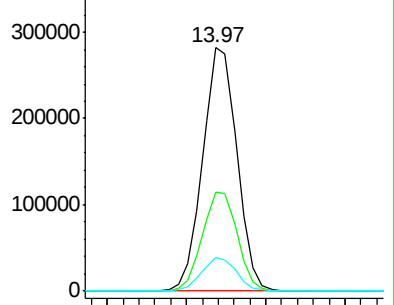
76 14.0 8.5 12.7#

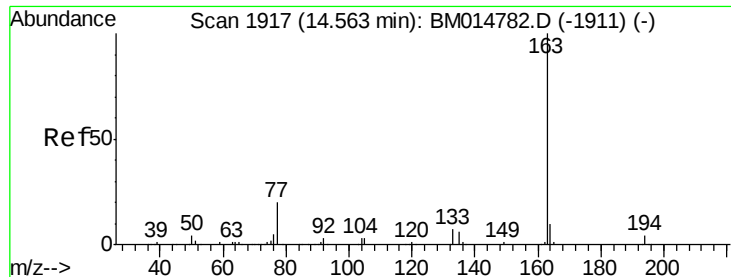


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BM





#44

Dimethylphthalate

Concen: 6.160 ng/ul

RT: 14.56 min Scan# 1917

Delta R.T. -0.00 min

Lab File: BM014797.D

Acq: 24 Apr 2018 03:53

Instrument :

BNA_M

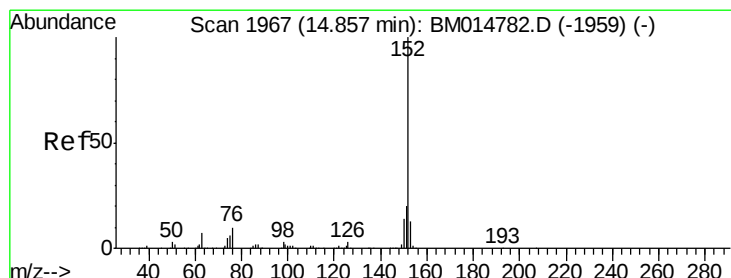
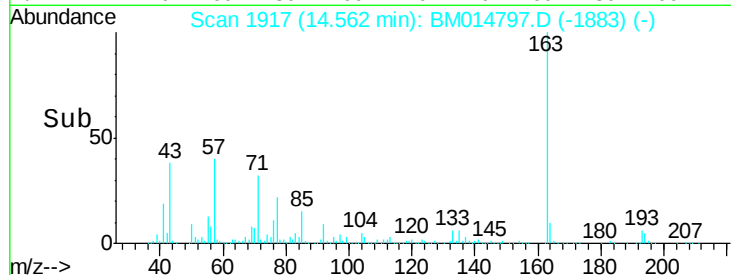
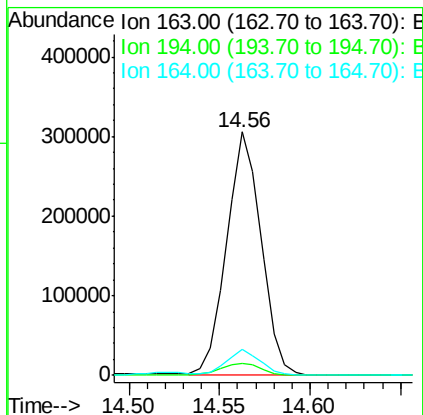
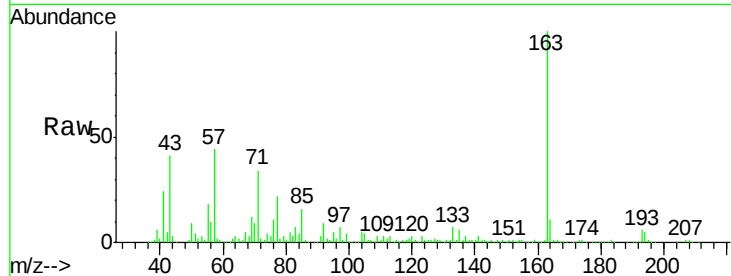
ClientSampleId :

DASP4

Tot Ion:	163	Resp:	401256
Ion Ratio	Lower	Upper	
163	100		
194	5.1	3.5	5.3
164	10.5	8.2	12.4

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#47

Acenaphthylene

Concen: 6.256 ng/ul

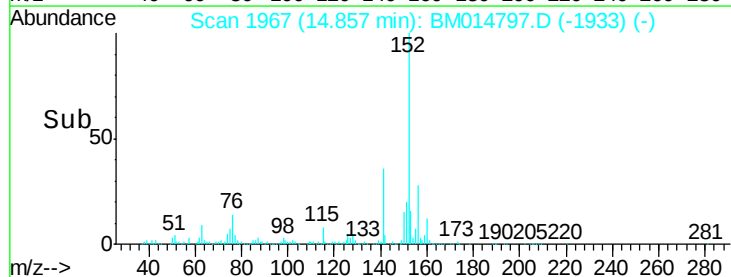
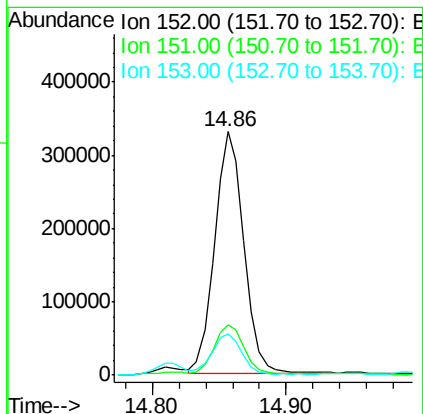
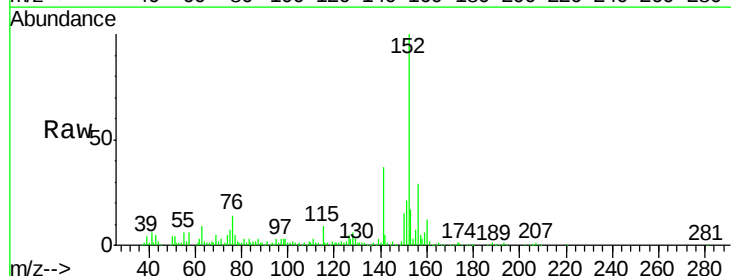
RT: 14.86 min Scan# 1967

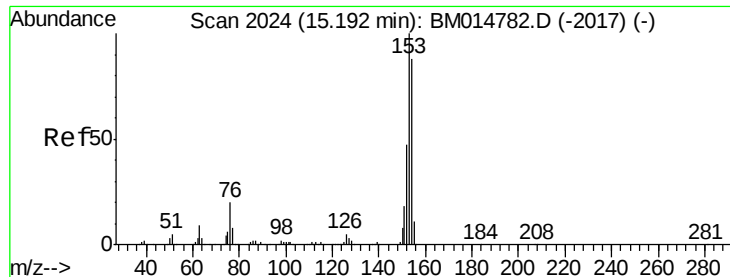
Delta R.T. -0.00 min

Lab File: BM014797.D

Acq: 24 Apr 2018 03:53

Tgt Ion:	152	Resp:	504346
Ion Ratio	Lower	Upper	
152	100		
151	20.6	16.3	24.5
153	16.7	10.2	15.4#





#49

Acenaphthene

Concen: 47.589 ng/ul

RT: 15.19 min Scan# 2024

Delta R.T. -0.00 min

Lab File: BM014797.D

Acq: 24 Apr 2018 03:53

Instrument :

BNA_M

ClientSampled :

DASP4

Tot Ion:153 Resp: 2726570

Ion Ratio Lower Upper

153 100

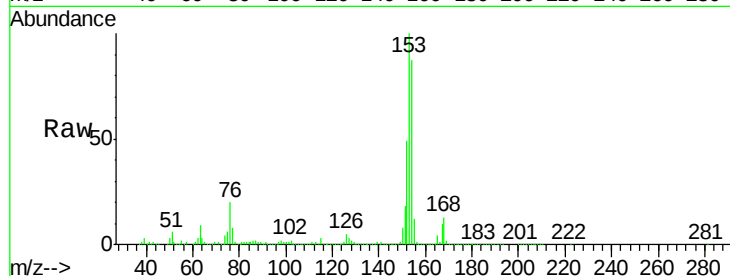
152 49.1 37.6 56.4

154 86.8 70.4 105.6

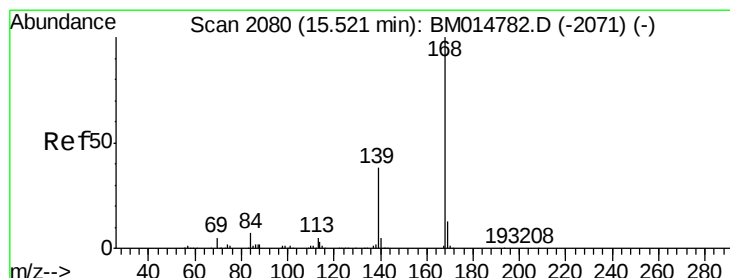
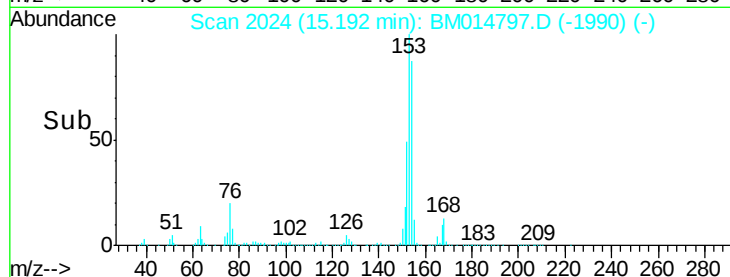
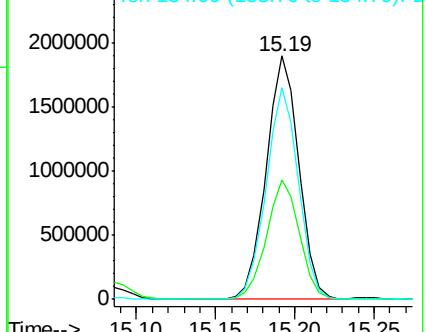
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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 53.202 ng/ul

RT: 15.52 min Scan# 2080

Delta R.T. -0.00 min

Lab File: BM014797.D

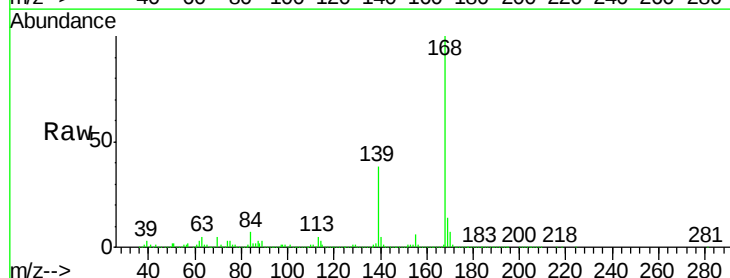
Acq: 24 Apr 2018 03:53

Tgt Ion:168 Resp: 4232725

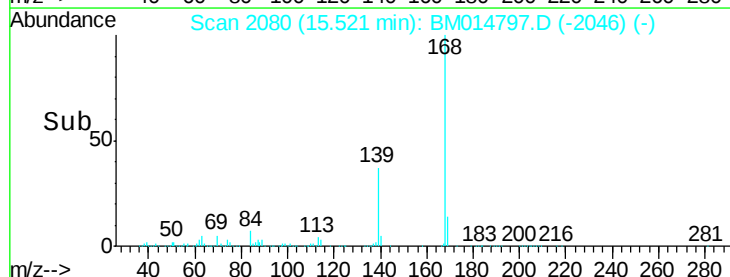
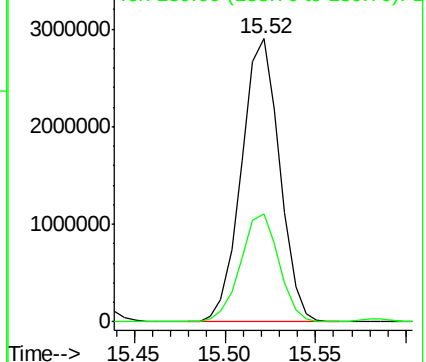
Ion Ratio Lower Upper

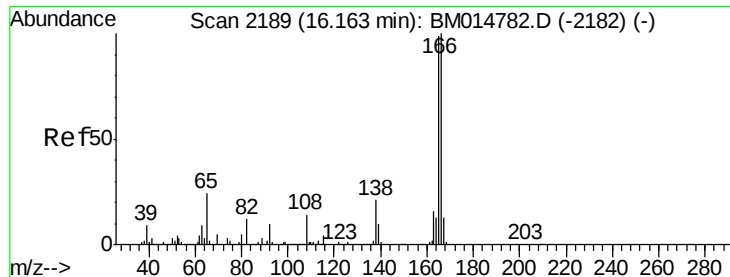
168 100

139 38.0 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: 118.438 ng/ul

RT: 16.16 min Scan# 2189

Delta R.T. -0.00 min

Lab File: BM014797.D

Acq: 24 Apr 2018 03:53

Instrument :

BNA_M

ClientSampleId :

DASP4

Tot Ion:166 Resp: 7608748

Ion Ratio Lower Upper

166 100

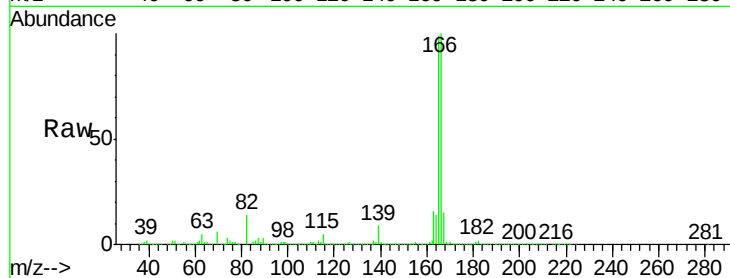
165 98.8 77.9 116.9

167 14.5 10.6 16.0

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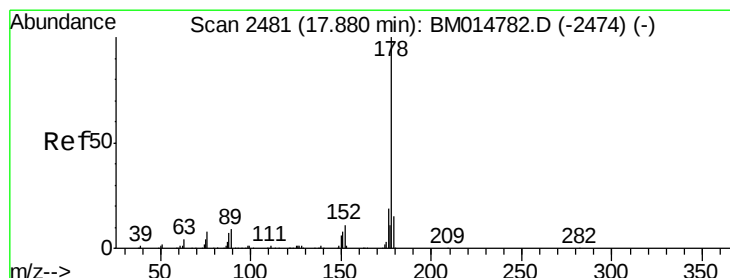
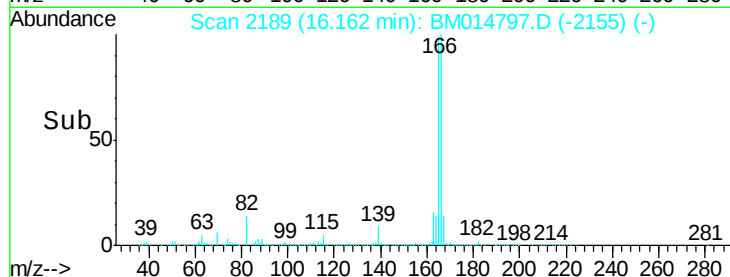
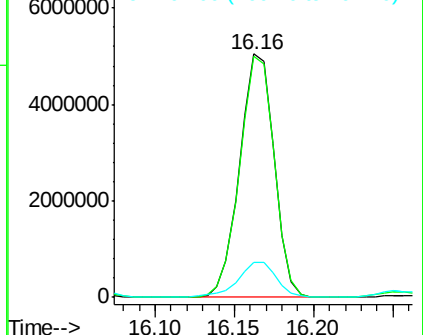
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 309.662 ng/ul m

RT: 17.89 min Scan# 2482

Delta R.T. 0.01 min

Lab File: BM014797.D

Acq: 24 Apr 2018 03:53

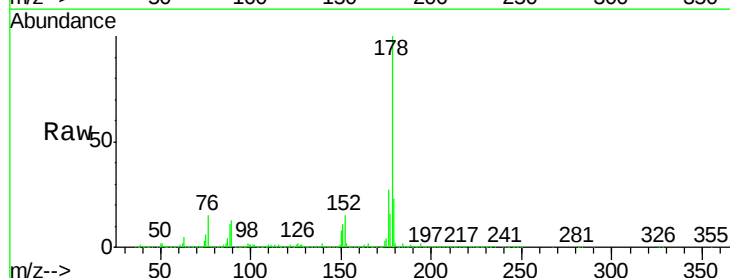
Tgt Ion:178 Resp:29675497

Ion Ratio Lower Upper

178 100

179 23.0 12.6 19.0#

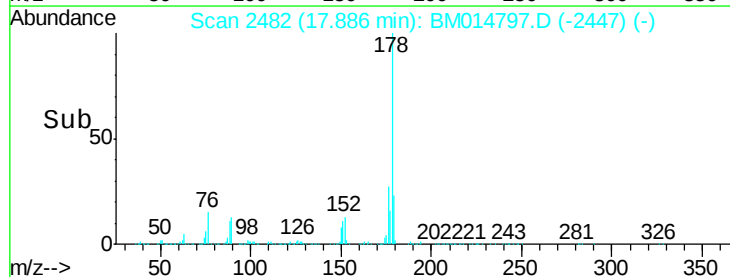
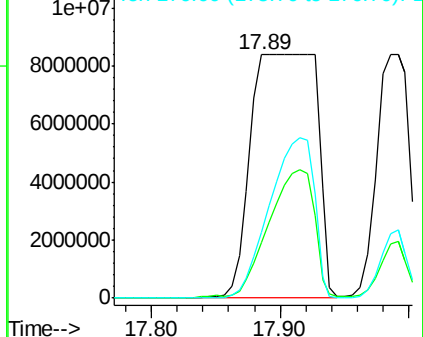
176 27.0 14.9 22.3#

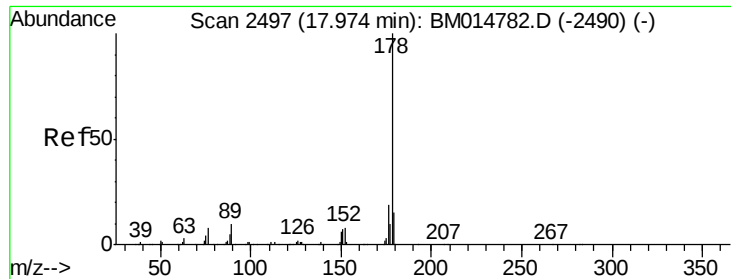


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 150.788 ng/ul

RT: 17.99 min Scan# 2499

Delta R.T. 0.01 min

Lab File: BM014797.D

Acq: 24 Apr 2018 03:53

Instrument :

BNA_M

ClientSampled :

DASP4

Tot Ion:178 Resp:14665227

Ion Ratio Lower Upper

178 100

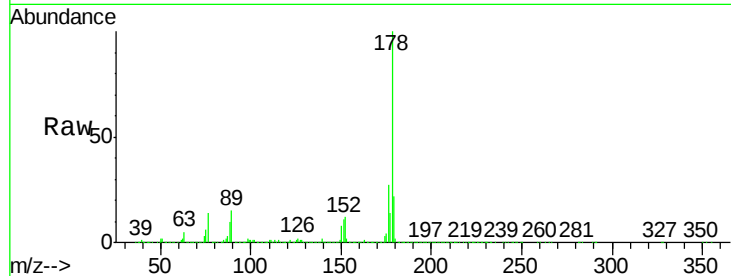
179 22.4 11.7 17.5#

176 26.6 14.6 21.8#

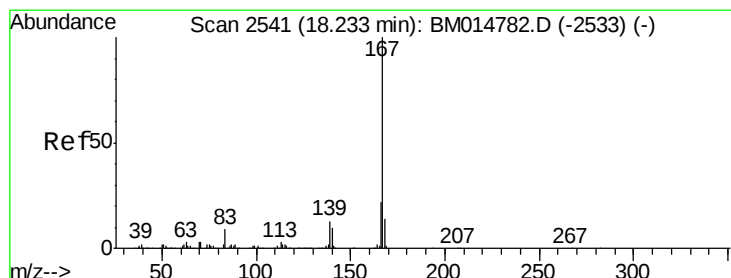
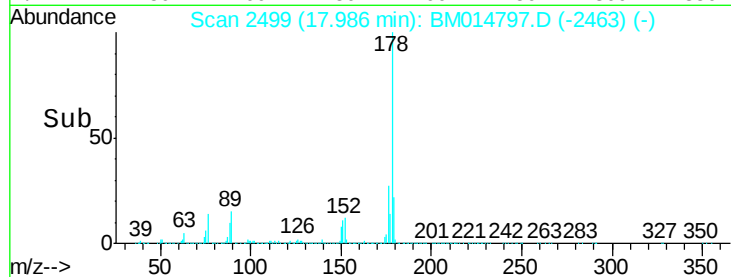
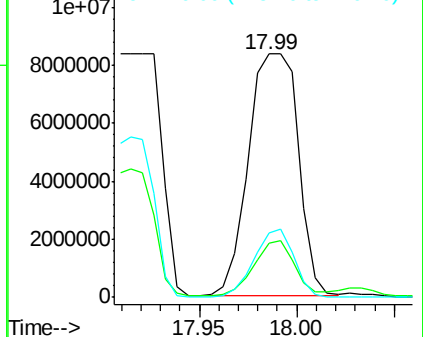
Manual Integrations
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#72

Carbazole

Concen: 1.958 ng/ul

RT: 18.23 min Scan# 2541

Delta R.T. -0.00 min

Lab File: BM014797.D

Acq: 24 Apr 2018 03:53

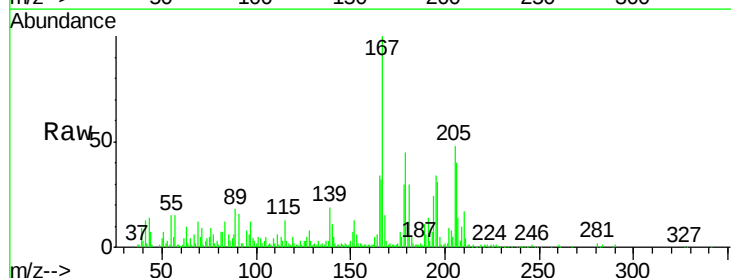
Tgt Ion:167 Resp: 162421

Ion Ratio Lower Upper

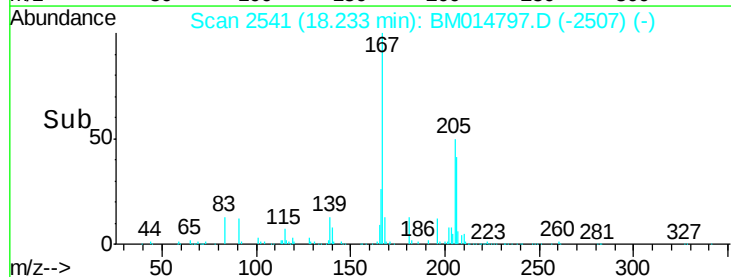
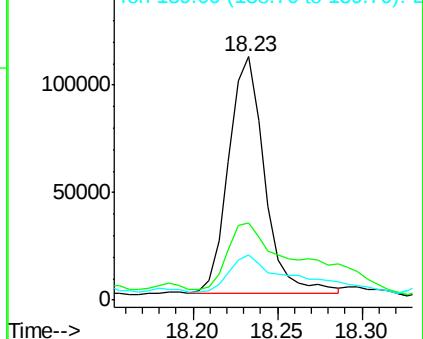
167 100

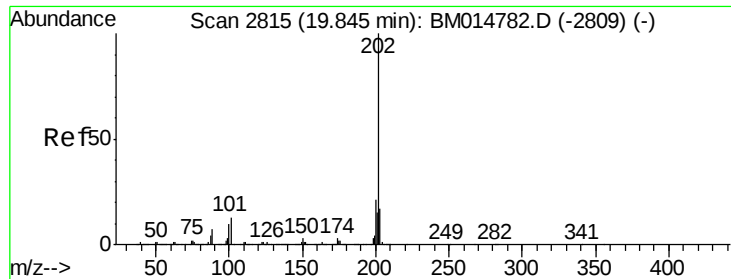
166 31.7 17.1 25.7#

139 18.8 10.0 15.0#



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





#74

Fluoranthene

Concen: 279.204 ng/ul m

RT: 19.85 min Scan# 2816

Delta R.T. 0.01 min

Lab File: BM014797.D

Acq: 24 Apr 2018 03:53

Instrument :

BNA_M

ClientSampleId :

DASP4

Tot Ion:202 Resp:29171847

Ion Ratio Lower Upper

202 100

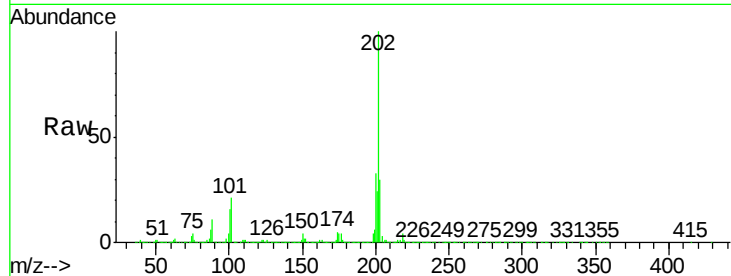
101 21.1 4.6 7.0#

100 16.3 3.4 5.2#

Manual Integrations
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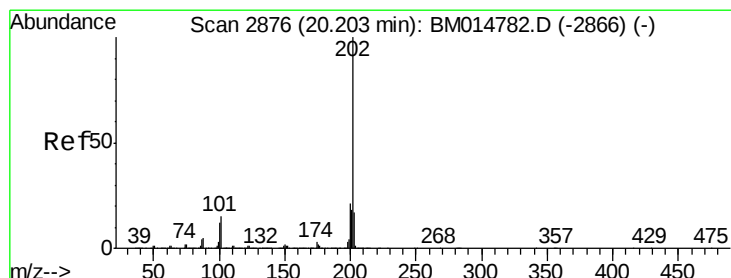
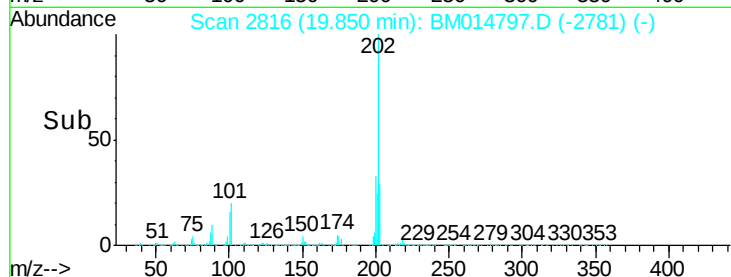
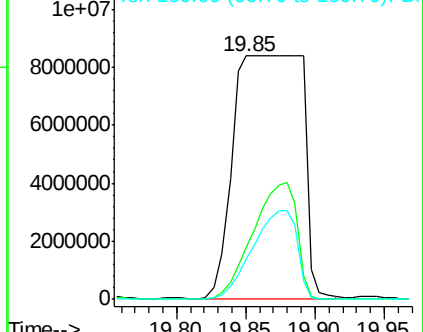
4/24/2018 7:13:40 PM



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: 240.109 ng/ul m

RT: 20.21 min Scan# 2877

Delta R.T. 0.01 min

Lab File: BM014797.D

Acq: 24 Apr 2018 03:53

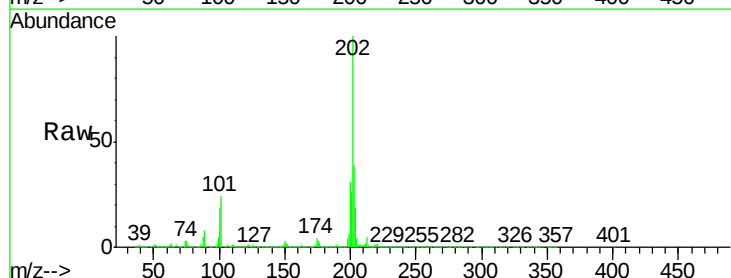
Tgt Ion:202 Resp:25720145

Ion Ratio Lower Upper

202 100

101 24.5 5.1 7.7#

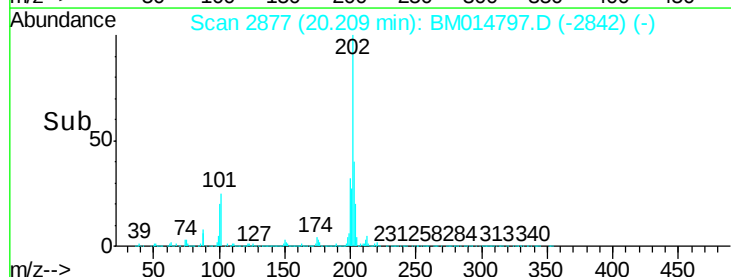
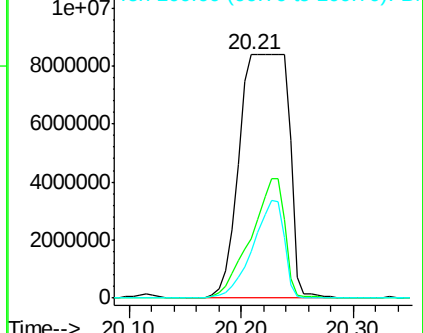
100 18.9 4.9 7.3#

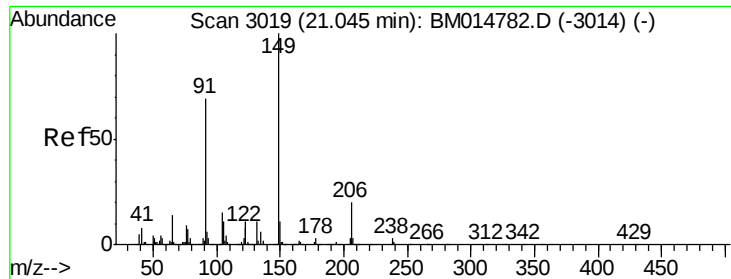


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





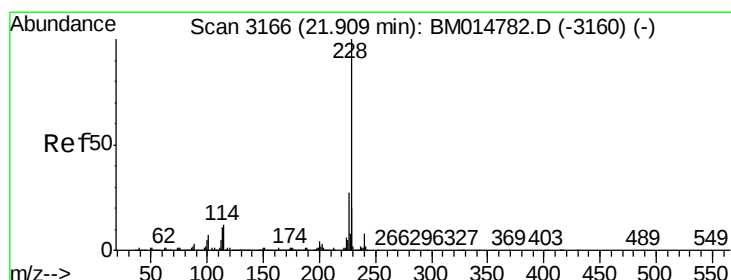
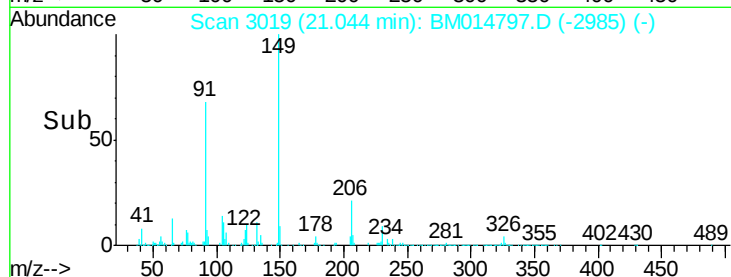
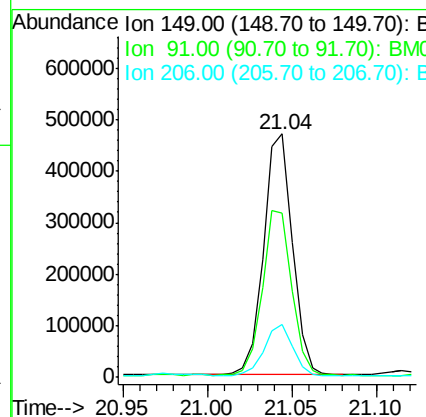
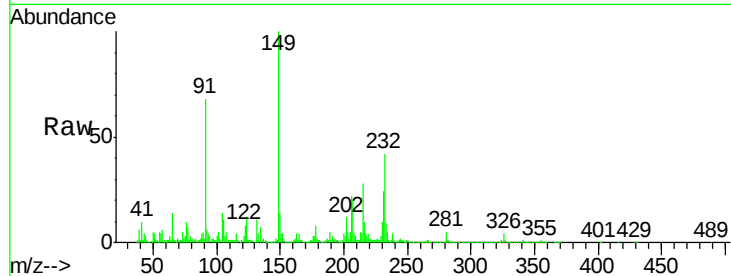
#78
Butylbenzylphthalate
Concen: 12.653 ng/ul
RT: 21.04 min Scan# 3019
Delta R.T. -0.00 min
Lab File: BM014797.D
Acq: 24 Apr 2018 03:53

Instrument :
BNA_M
ClientSampleId :
DASP4

Tot Ion	Ratio	Lower	Upper
149	100		
91	67.7	62.7	94.1
206	21.5	20.8	31.2

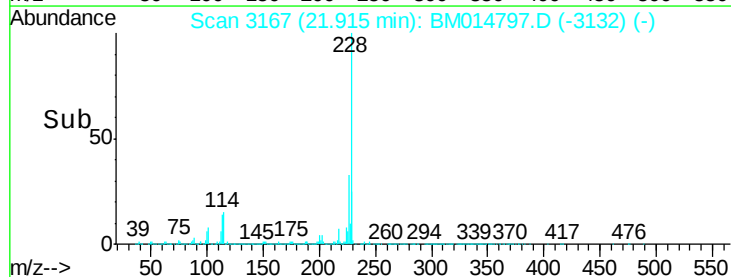
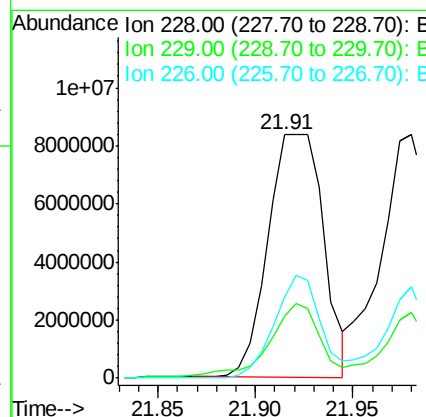
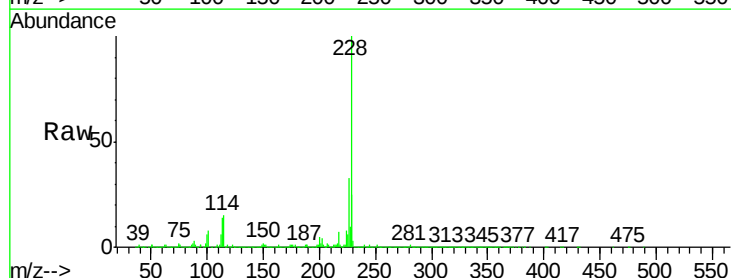
Manual Integrations
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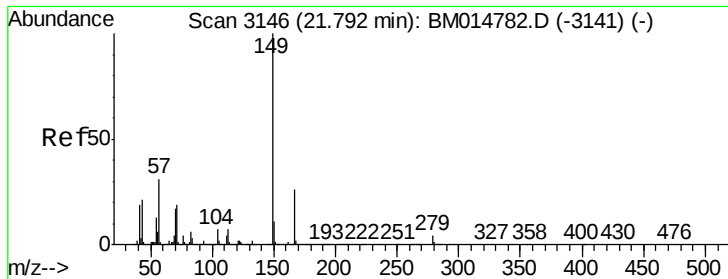
Sohil
4/24/2018 7:13:40 PM



#80
Benzo(a)anthracene
Concen: 153.428 ng/ul
RT: 21.91 min Scan# 3167
Delta R.T. 0.01 min
Lab File: BM014797.D
Acq: 24 Apr 2018 03:53

Tgt Ion	Ratio	Lower	Upper
228	100		
229	25.4	15.4	23.0#
226	33.3	21.4	32.0#





#81

Bis(2-ethylhexyl)phthalate

Concen: 125.648 ng/ul

RT: 21.80 min Scan# 3147

Delta R.T. 0.01 min

Lab File: BM014797.D

Acq: 24 Apr 2018 03:53

Instrument :

BNA_M

ClientSampleId :

DASP4

Tot Ion:149 Resp: 8059858

Ion Ratio Lower Upper

149 100

167 29.6 22.8 34.2

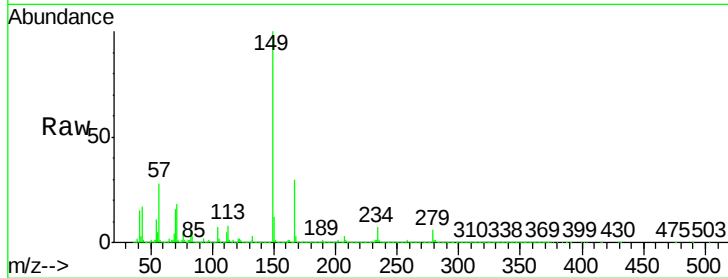
279 5.8 4.9 7.3

Manual Integrations

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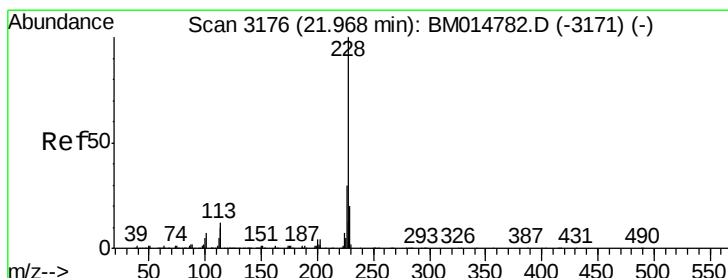
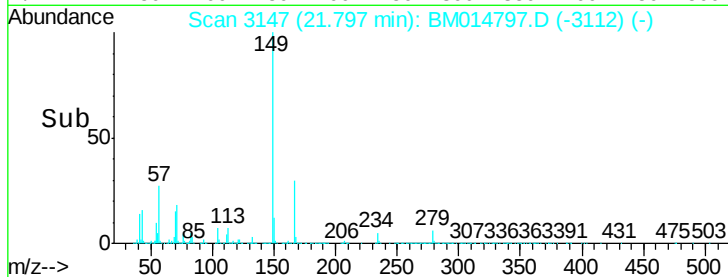
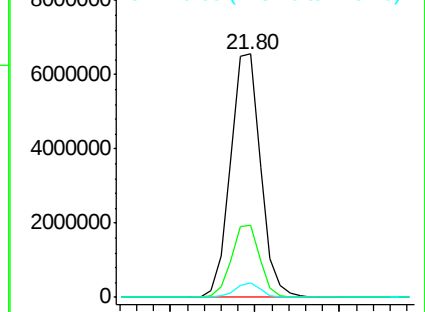
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#82

Chrysene

Concen: 139.948 ng/ul

RT: 21.98 min Scan# 3178

Delta R.T. 0.01 min

Lab File: BM014797.D

Acq: 24 Apr 2018 03:53

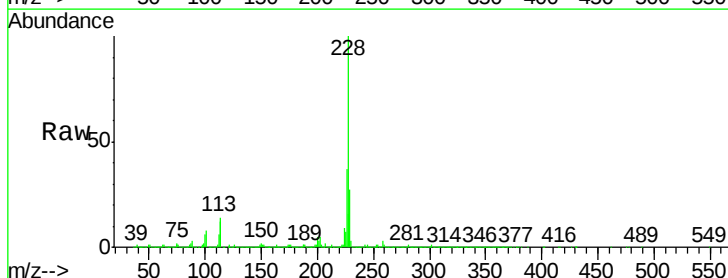
Tgt Ion:228 Resp:14045902

Ion Ratio Lower Upper

228 100

226 37.3 23.4 35.2#

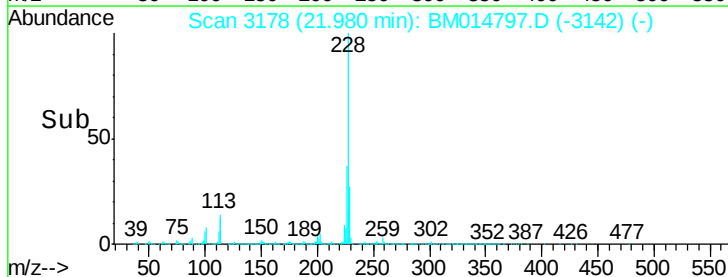
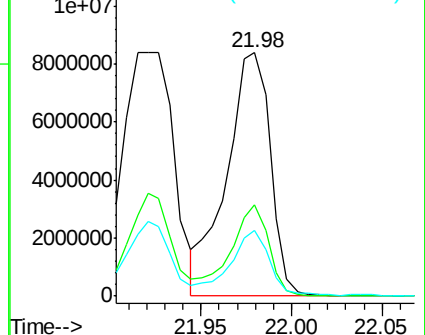
229 27.0 15.5 23.3#

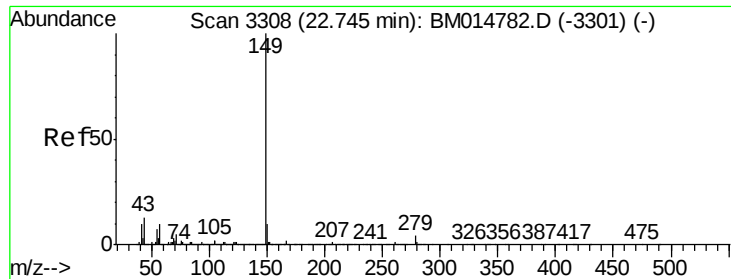


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





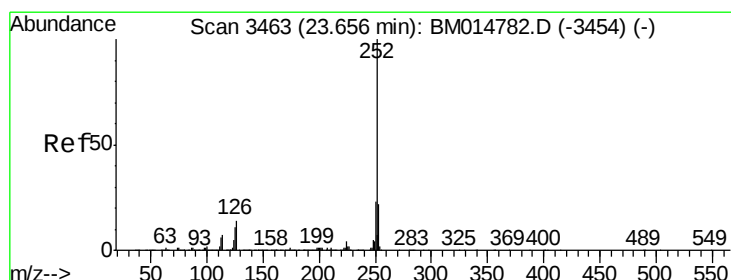
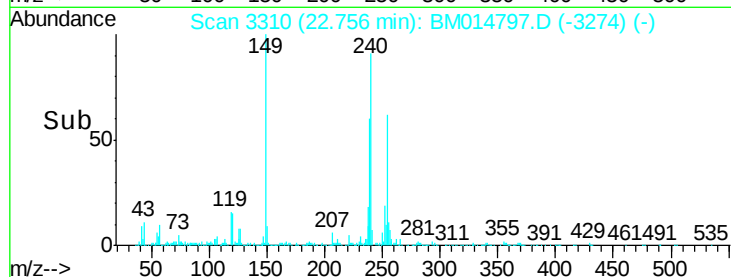
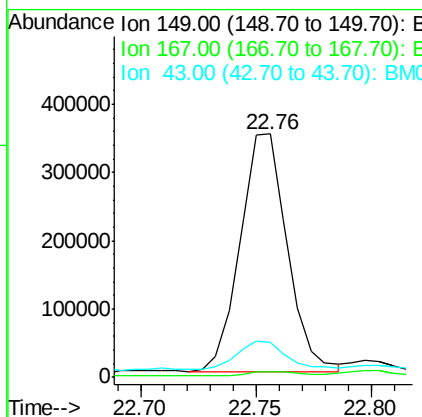
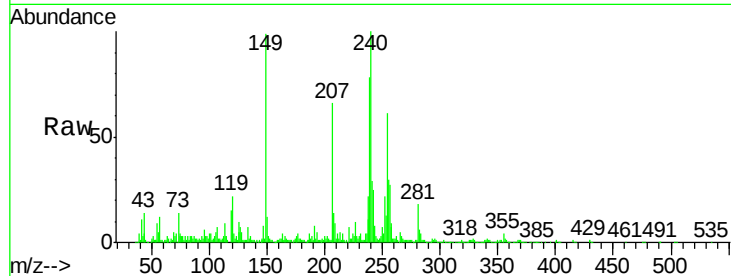
#84
Di-n-octyl phthalate
Concen: 4.495 ng/ul
RT: 22.76 min Scan# 3310
Delta R.T. 0.01 min
Lab File: BM014797.D
Acq: 24 Apr 2018 03:53

Instrument :
BNA_M
ClientSampleId :
DASP4

Tot Ion	Ratio	Resp	Lower	Upper
149	100	494866		
167	2.5	1.3	1.9#	
43	14.5	7.3	10.9#	

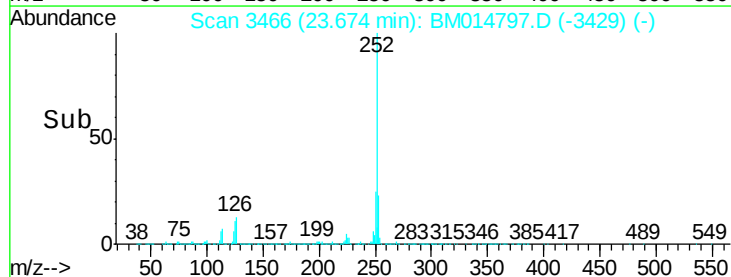
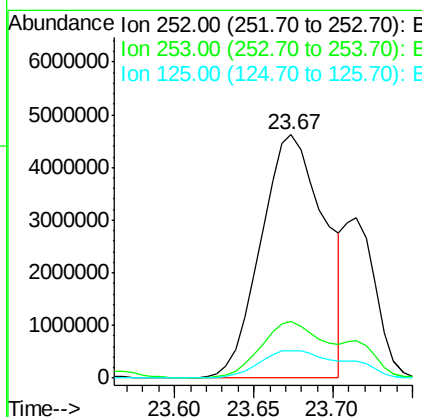
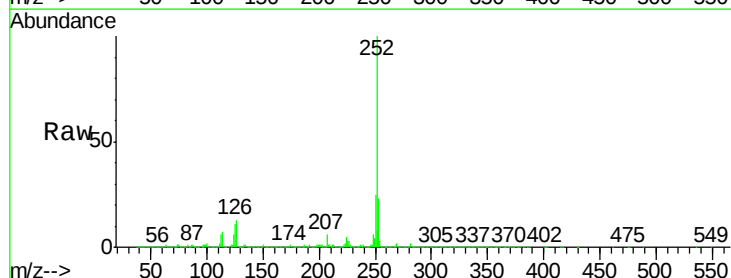
Manual Integrations
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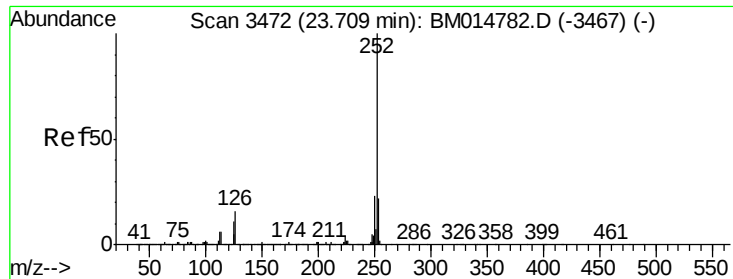
Sohil
4/24/2018 7:13:40 PM



#85
Benzo(b)fluoranthene
Concen: 114.028 ng/ul
RT: 23.67 min Scan# 3466
Delta R.T. 0.02 min
Lab File: BM014797.D
Acq: 24 Apr 2018 03:53

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	12866188		
253	23.2	17.9	26.9	
125	11.5	3.6	5.4#	





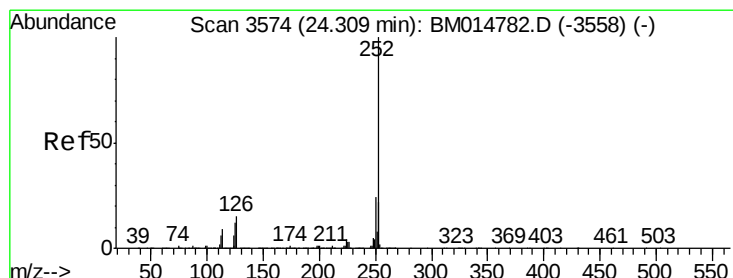
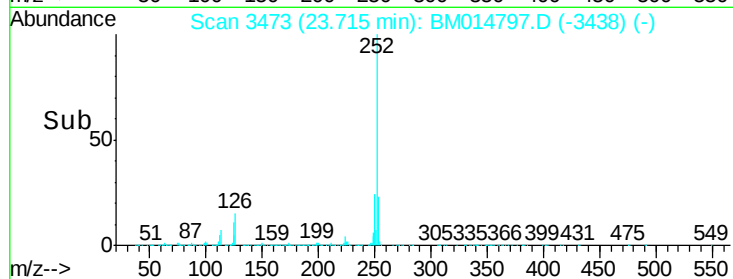
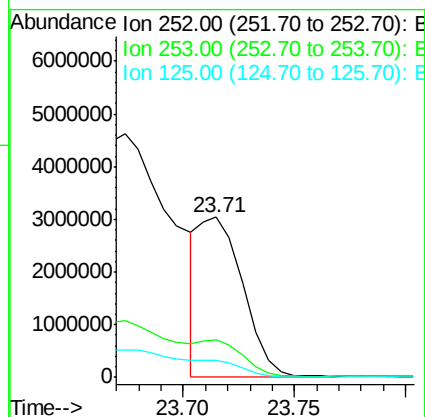
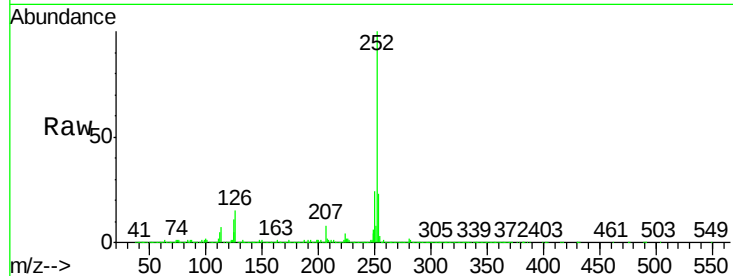
#86
Benzo(k)fluoranthene
Concen: 38.274 ng/ul m
RT: 23.71 min Scan# 3473
Delta R.T. 0.01 min
Lab File: BM014797.D
Acq: 24 Apr 2018 03:53

Instrument :
BNA_M
ClientSampleId :
DASP4

Tot Ion:252 Resp: 4152715
Ion Ratio Lower Upper
252 100
253 23.3 17.1 25.7
125 11.0 3.4 5.2#

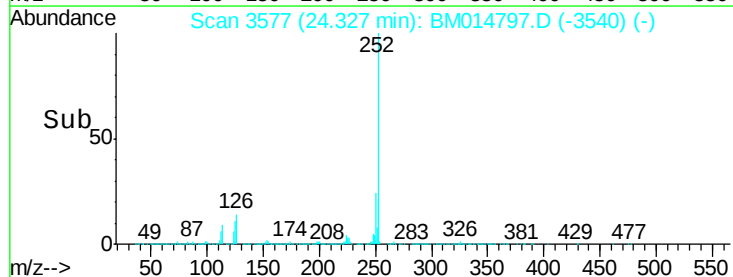
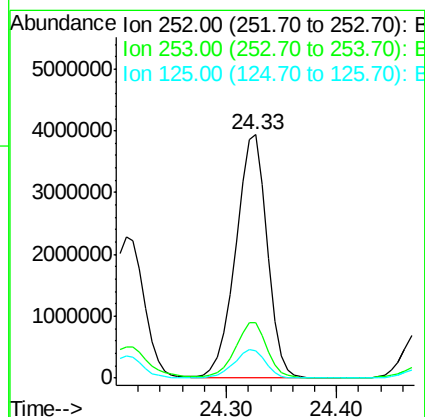
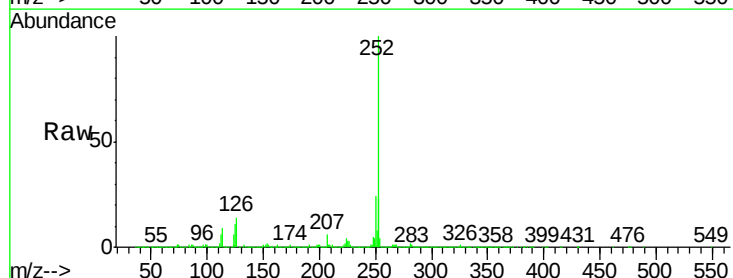
Manual Integrations
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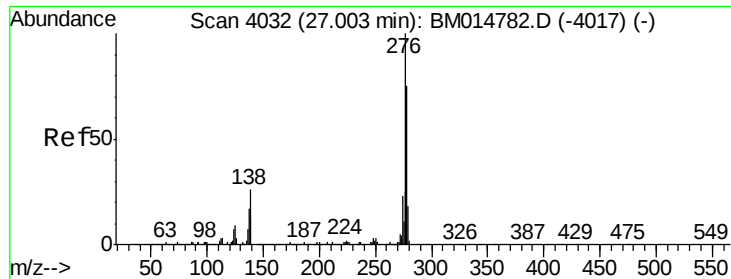
Sohil
4/24/2018 7:13:40 PM



#88
Benzo(a)pyrene
Concen: 73.274 ng/ul
RT: 24.33 min Scan# 3577
Delta R.T. 0.02 min
Lab File: BM014797.D
Acq: 24 Apr 2018 03:53

Tgt Ion:252 Resp: 7842667
Ion Ratio Lower Upper
252 100
253 22.8 18.2 27.2
125 11.5 4.0 6.0#





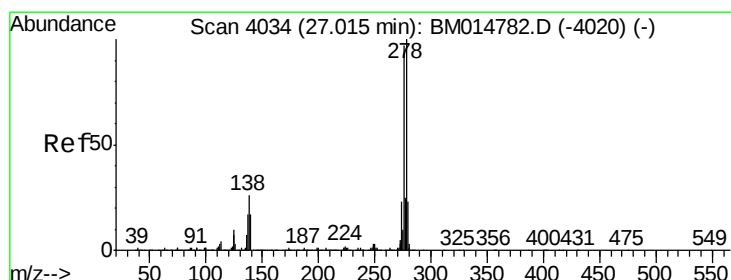
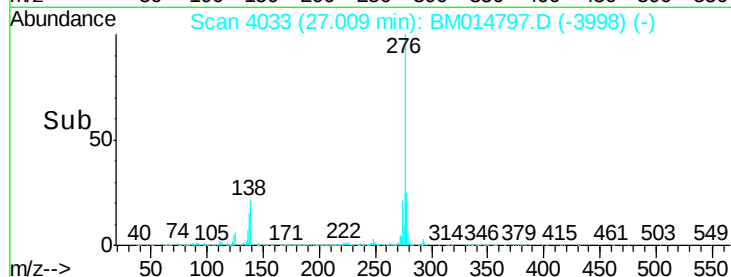
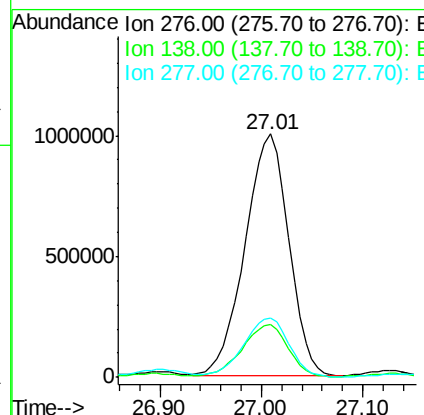
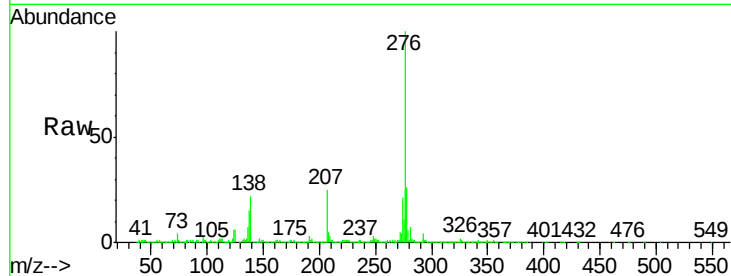
#89
Indeno(1,2,3-cd)pyrene
Concen: 23.198 ng/ul
RT: 27.01 min Scan# 4033
Delta R.T. 0.01 min
Lab File: BM014797.D
Acq: 24 Apr 2018 03:53

Instrument :
BNA_M
ClientSampled :
DASP4

Tot Ion:276 Resp: 3003746
Ion Ratio Lower Upper
276 100
138 21.7 9.3 13.9#
277 24.6 19.9 29.9

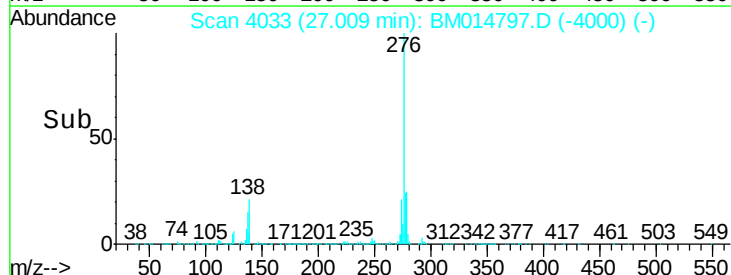
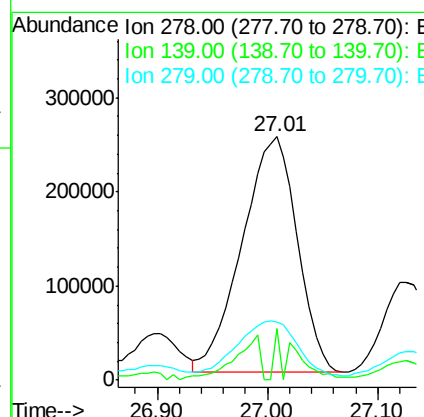
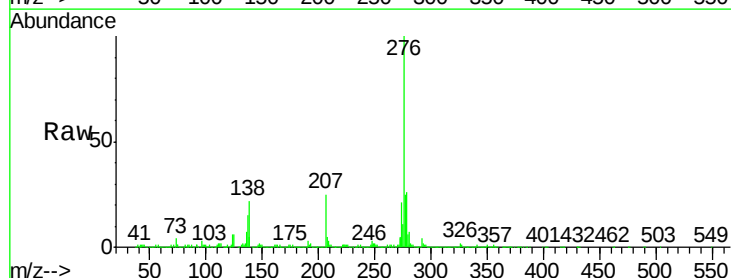
Manual Integrations
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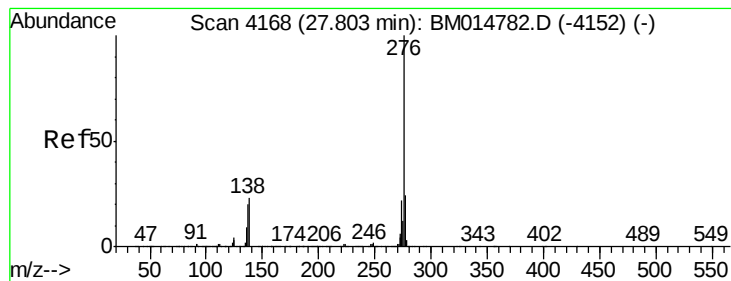
Sohil
4/24/2018 7:13:40 PM



#90
Dibenzo(a,h)anthracene
Concen: 8.073 ng/ul
RT: 27.01 min Scan# 4033
Delta R.T. -0.01 min
Lab File: BM014797.D
Acq: 24 Apr 2018 03:53

Tgt Ion:278 Resp: 880131
Ion Ratio Lower Upper
278 100
139 21.1 5.8 8.8#
279 24.1 18.6 27.8





#91

Benzo(a,h,i)perylene

Concen: 20.094 ng/ul

RT: 27.81 min Scan# 4169

Delta R.T. 0.01 min

Lab File: BM014797.D

Acq: 24 Apr 2018 03:53

Instrument :

BNA_M

ClientSampleId :

DASP4

Tot Ion: 276 Resp: 2140456

Ion Ratio Lower Upper

276 100

138 22.6 8.5 12.7#

277 24.5 18.6 28.0

Manual Integrations
APPROVED

Sohil

4/24/2018 7:13:40 PM

