

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101018\
 Data File : BM017114.D
 Acq On : 11 Oct 2018 01:24
 Operator : MJ/SJ
 Sample : J5184-06
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JLC25

Manual Integrations
 APPROVED

Sohil
 10/11/2018 5:42:36 PM

Quant Time: Oct 11 06:41:59 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100418MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 11 04:38:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	303652	20.00	ng/ul	0.00
18) Naphthalene-d8	10.47	136	1392837	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.33	164	778341	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.09	188	1640592	20.00	ng/ul	0.00
78) Chrysene-d12	21.29	240	1229278	20.00	ng/ul	0.01
86) Perylene-d12	23.51	264	1278401	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	15886	2.60	ng/uL	0.00
5) Phenol-d5	6.87	99	552310	21.76	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.03	67	342210	22.23	ng/ul	0.00
9) 2-Chlorophenol-d4	7.23	132	496075	23.51	ng/ul	0.00
13) 4-Methylphenol-d8	8.40	113	473307	23.80	ng/ul	0.00
19) Nitrobenzene-d5	8.85	128	258853	25.43	ng/ul	0.00
22) 2-Nitrophenol-d4	9.56	143	280770	27.11	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	506403	23.76	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	319675	12.49	ng/ul	0.00
44) Dimethylphthalate-d6	13.75	166	1533883	24.84	ng/ul	0.00
47) Acenaphthylene-d8	14.02	160	2041326	25.86	ng/ul	0.00
52) 4-Nitrophenol-d4	14.55	143	140380	12.03	ng/ul	0.00
58) Fluorene-d10	15.33	176	1388101	25.24	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.46	200	112719	11.65	ng/ul	0.00
71) Anthracene-d10	17.19	188	2014366	25.71	ng/ul	0.00
79) Pyrene-d10	19.49	212	1825800	32.92	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.37	264	1738516	26.56	ng/ul	0.02

Target Compounds

					Ovalue
4) Benzaldehyde	6.85	77	32146	2.040 ng/ul#	81
6) Phenol	6.90	94	92959	3.661 ng/ul	96
14) Acetophenone	8.51	105	83893	2.654 ng/ul	98
28) Naphthalene	10.52	128	809953	11.318 ng/ul	99
34) 2-Methylnaphthalene	12.13	142	181297	3.587 ng/ul	99
45) Dimethylphthalate	13.79	163	514667	8.417 ng/ul	99
50) Acenaphthene	14.39	153	704281	13.110 ng/ul	99
54) Dibenzofuran	14.73	168	584073	7.700 ng/ul	98
59) Fluorene	15.38	166	850281	13.748 ng/ul	99
69) Pentachlorophenol	16.74	266	25491	2.032 ng/ul	91
70) Phenanthrene	17.13	178	14583960m	158.540 ng/ul	
72) Anthracene	17.22	178	4663472	49.893 ng/ul	100
75) Carbazole	17.49	167	1428958	17.665 ng/ul	99
76) Di-n-butylphthalate	18.06	149	1125128	12.441 ng/ul	99
77) Fluoranthene	19.15	202	16409512	154.002 ng/ul#	93
80) Pyrene	19.52	202	16302171	228.882 ng/ul#	89
81) Butylbenzylphthalate	20.42	149	1029930	41.908 ng/ul	94
83) Benzo(a)anthracene	21.27	228	8439212	114.439 ng/ul	95
84) Bis(2-ethylhexyl)phthalate	21.20	149	2505452	65.778 ng/ul	100
85) Chrysene	21.33	228	12475018	174.911 ng/ul	93
87) Di-n-octyl phthalate	22.09	149	221134	3.235 ng/ul	100
88) Benzo(b)fluoranthene	22.86	252	13399525	176.023 ng/ul	97
89) Benzo(k)fluoranthene	22.89	252	3450751m	47.186 ng/ul	

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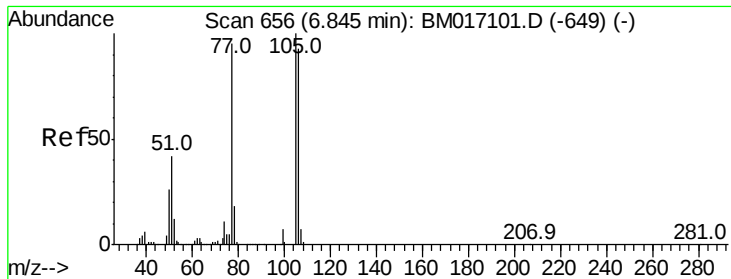
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Quant Time: Oct 11 06:41:59 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100418MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 11 04:38:36 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(a)pyrene	23.43	252	6043449	82.378	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.76	276	4939584	57.032	ng/ul	96
93) Dibenzo(a,h)anthracene	25.76	278	1456535	20.201	ng/ul#	91
94) Benzo(g,h,i)perylene	26.46	276	5227192	72.476	ng/ul	98

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



#4

Benzaldehyde

Concen: 2.040 ng/ul

RT: 6.85 min Scan# 656

Delta R.T. -0.00 min

Lab File: BM017114.D

Acq: 11 Oct 2018 01:24

Instrument :

BNA_M

ClientSampled :

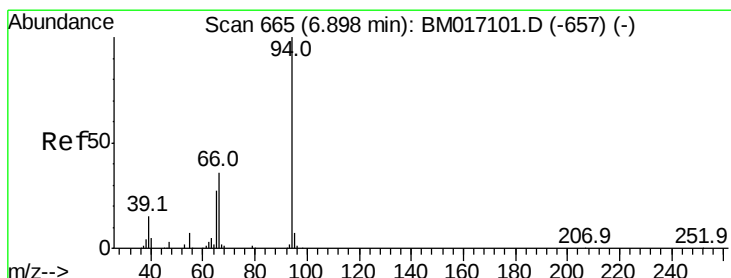
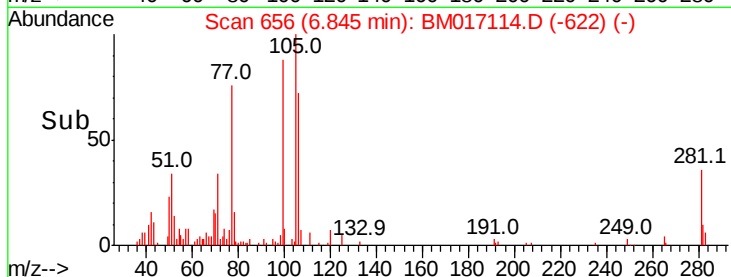
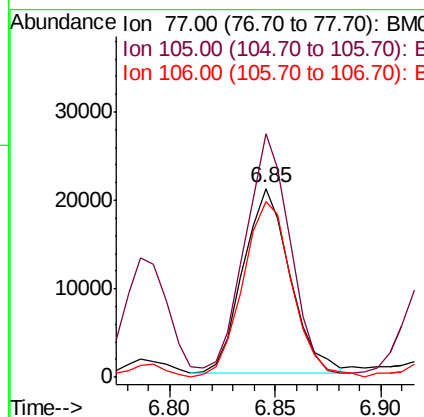
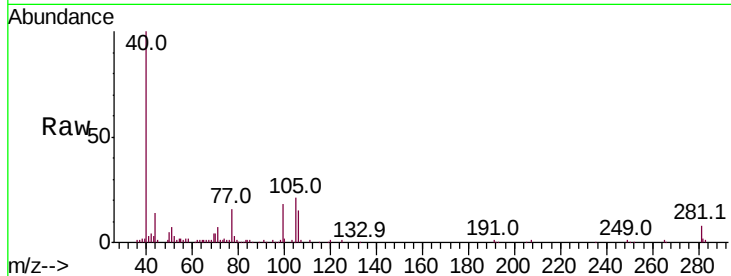
JLC25

Tot Ion: 77 Resp: 32146

Ion	Ratio	Lower	Upper
77	100		
105	129.1	75.4	113.2#
106	93.2	73.8	110.8

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#6

Phenol

Concen: 3.661 ng/ul

RT: 6.90 min Scan# 665

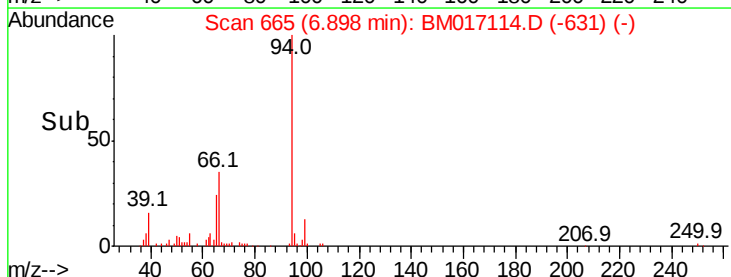
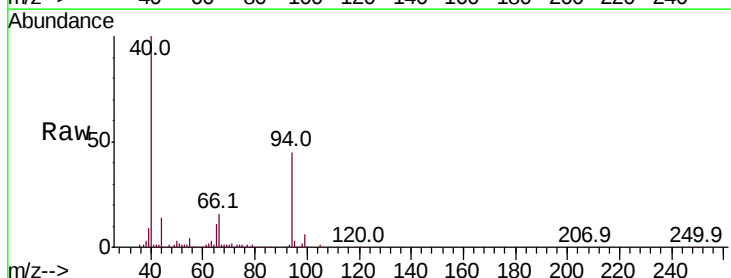
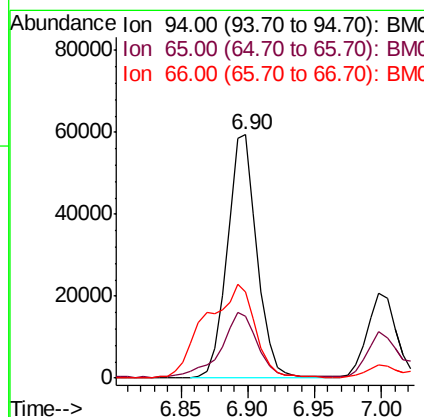
Delta R.T. -0.00 min

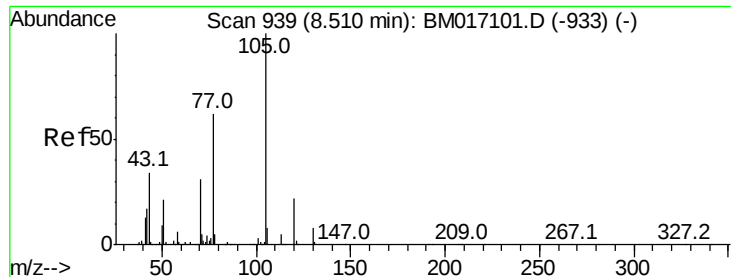
Lab File: BM017114.D

Acq: 11 Oct 2018 01:24

Tgt Ion: 94 Resp: 92959

Ion	Ratio	Lower	Upper
94	100		
65	25.3	22.8	34.2
66	35.5	29.5	44.3





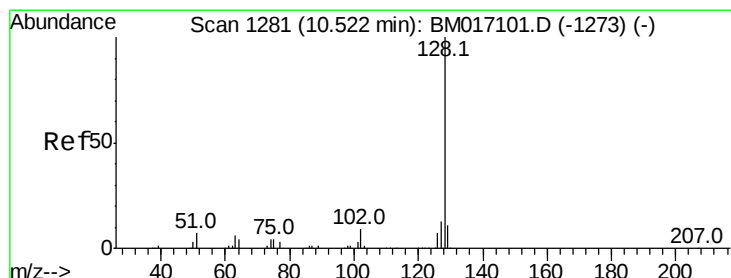
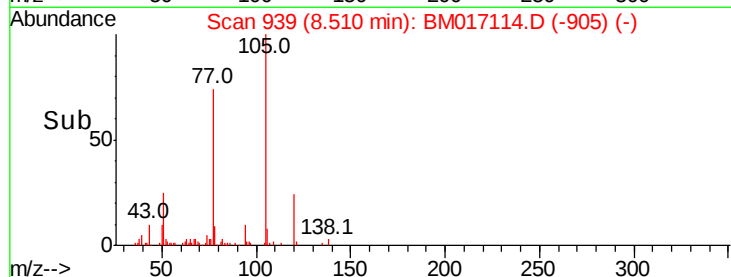
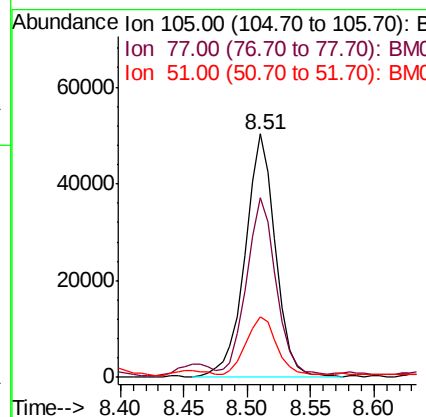
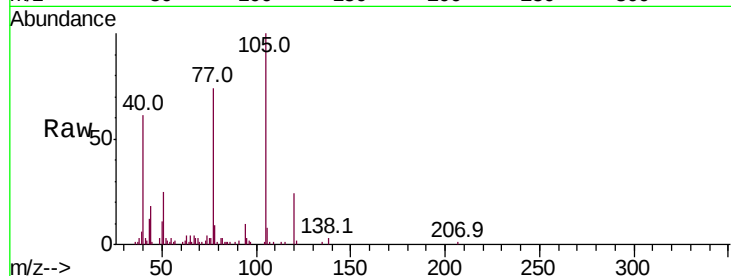
#14
Acetophenone
Concen: 2.654 ng/ul
RT: 8.51 min Scan# 939
Delta R.T. -0.00 min
Lab File: BM017114.D
Acq: 11 Oct 2018 01:24

Instrument :
BNA_M
ClientSampleId :
JLC25

Tot Ion:	105	Resp:	83893
Ion Ratio	Lower	Upper	
105	100		
77	73.9	59.8	89.6
51	25.1	21.8	32.8

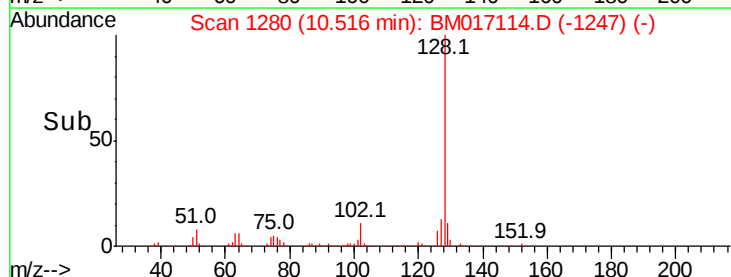
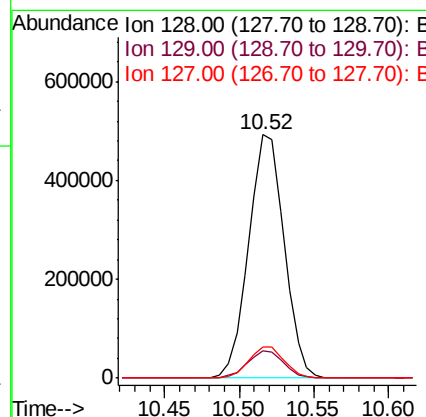
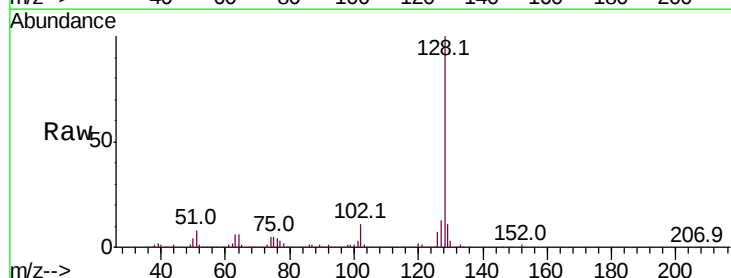
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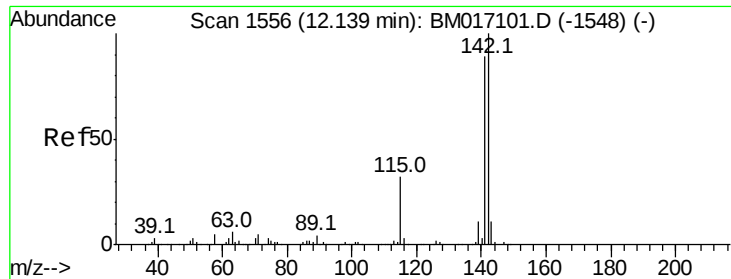
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#28
Naphthalene
Concen: 11.318 ng/ul
RT: 10.52 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BM017114.D
Acq: 11 Oct 2018 01:24

Tgt Ion:	128	Resp:	809953
Ion Ratio	Lower	Upper	
128	100		
129	11.2	8.7	13.1
127	12.6	10.5	15.7





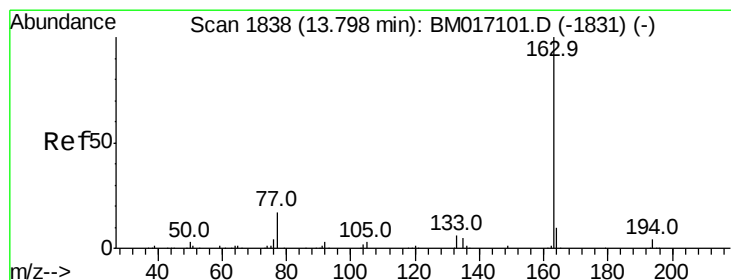
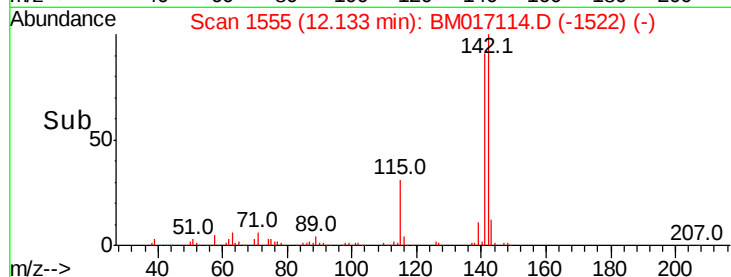
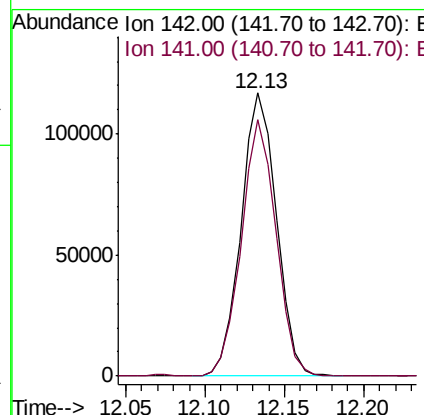
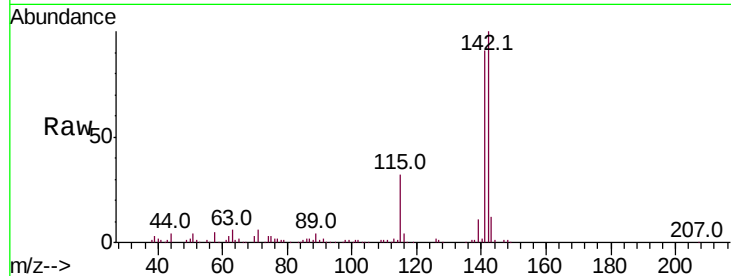
#34
2-Methylnaphthalene
Concen: 3.587 ng/ul
RT: 12.13 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BM017114.D
Acq: 11 Oct 2018 01:24

Instrument :
BNA_M
ClientSampled :
JLC25

Tot Ion:142 Resp: 181297
Ion Ratio Lower Upper
142 100
141 90.6 71.5 107.3

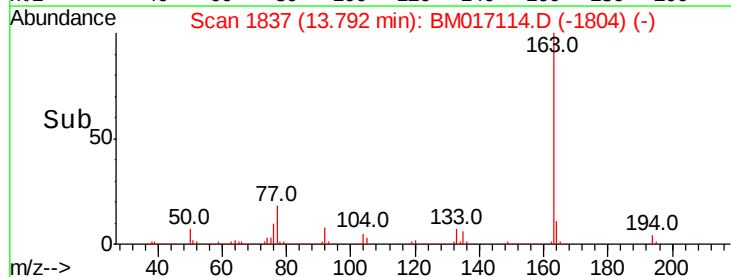
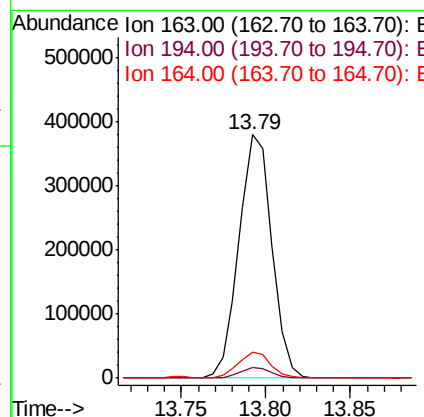
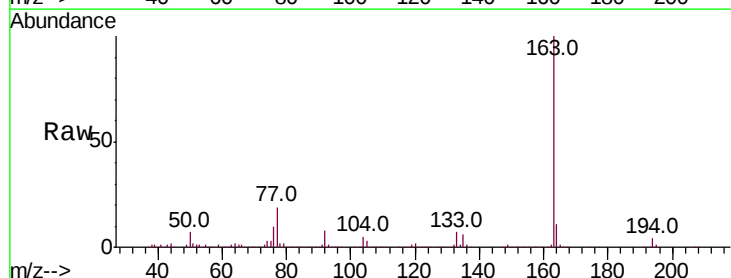
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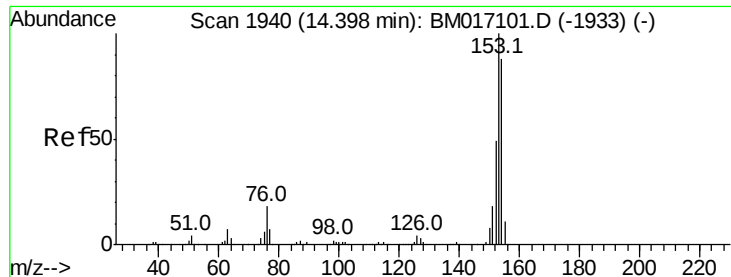
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#45
Dimethylphthalate
Concen: 8.417 ng/ul
RT: 13.79 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BM017114.D
Acq: 11 Oct 2018 01:24

Tgt Ion:163 Resp: 514667
Ion Ratio Lower Upper
163 100
194 4.3 3.3 4.9
164 10.6 8.0 12.0





#50

Acenaphthene

Concen: 13.110 ng/ul

RT: 14.39 min Scan# 1939

Delta R.T. -0.01 min

Lab File: BM017114.D

Acq: 11 Oct 2018 01:24

Instrument :

BNA_M

ClientSampleId :

JLC25

Tot Ion:153 Resp: 704281

Ion Ratio Lower Upper

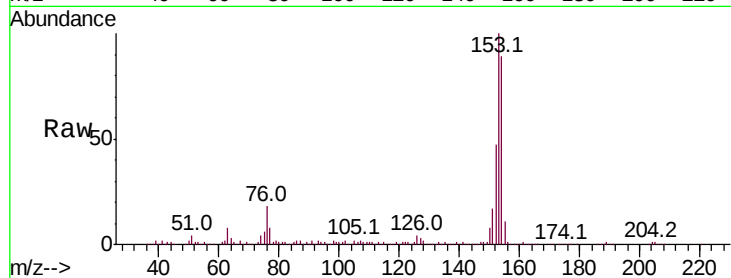
153 100

152 47.3 38.3 57.5

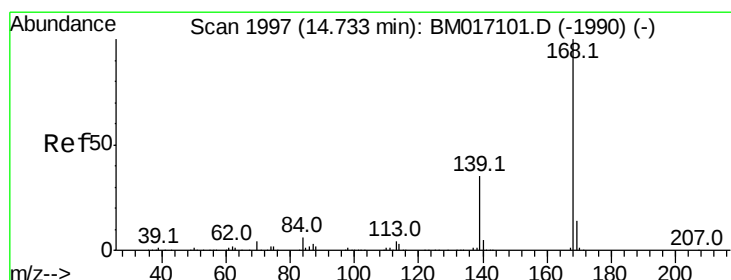
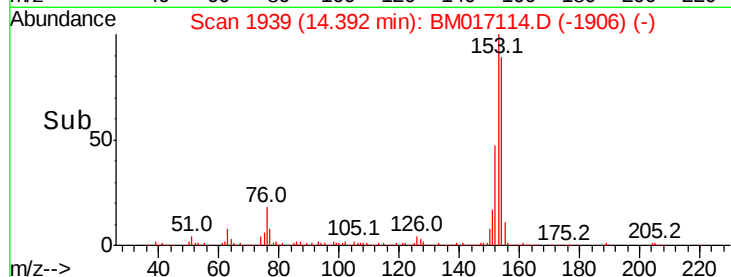
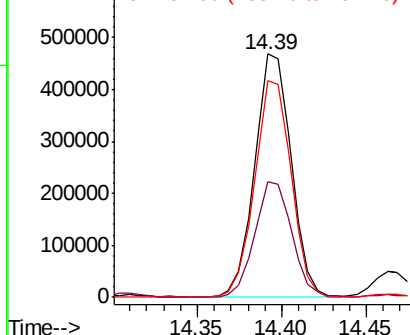
154 89.1 71.0 106.6

Manual Integrations
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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



#54

Dibenzofuran

Concen: 7.700 ng/ul

RT: 14.73 min Scan# 1997

Delta R.T. -0.00 min

Lab File: BM017114.D

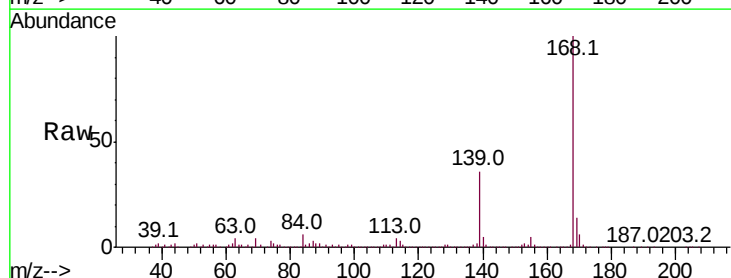
Acq: 11 Oct 2018 01:24

Tgt Ion:168 Resp: 584073

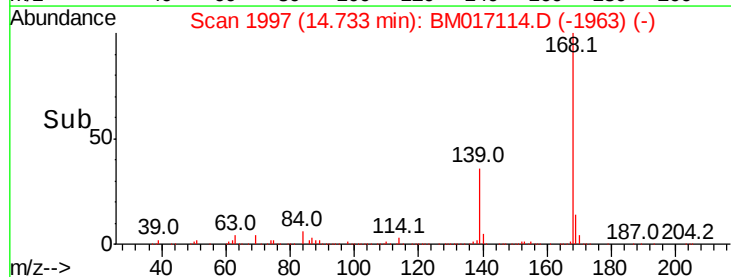
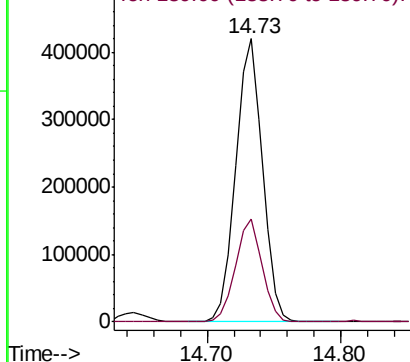
Ion Ratio Lower Upper

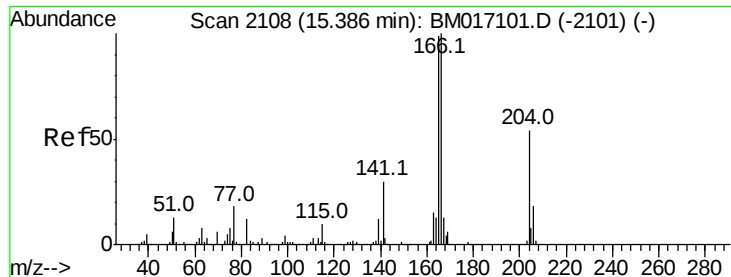
168 100

139 36.2 29.8 44.6



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





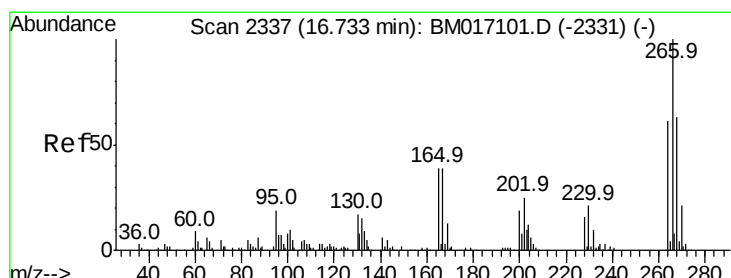
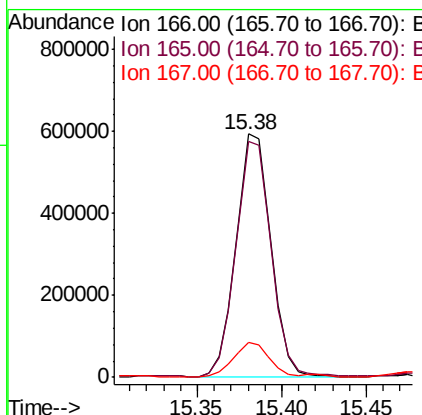
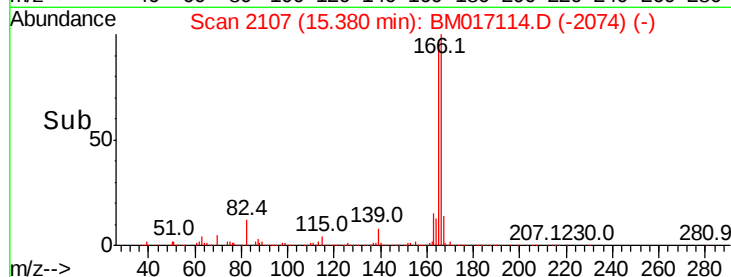
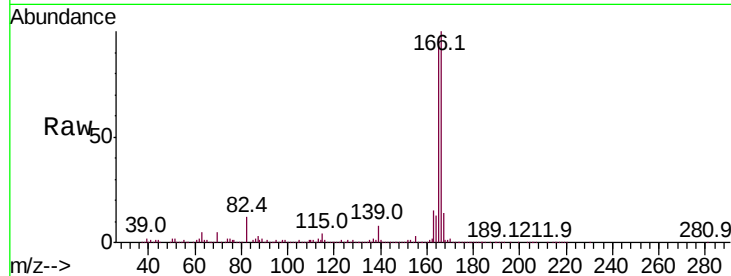
#59
Fluorene
 Concen: 13.748 ng/ul
 RT: 15.38 min Scan# 2107
 Delta R.T. -0.01 min
 Lab File: BM017114.D
 Acq: 11 Oct 2018 01:24

Instrument :
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 ClientSampleId :
 JLC25

Tot Ion:	166	Resp:	850281
Ion Ratio	Lower	Upper	
166	100		
165	96.9	77.3	115.9
167	14.3	10.7	16.1

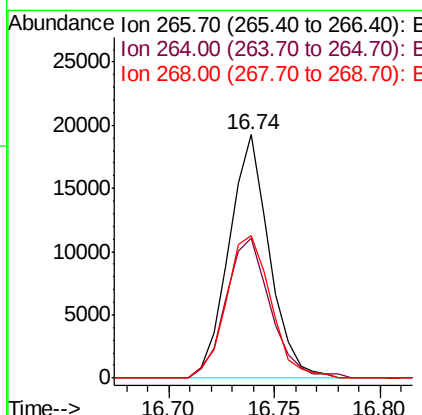
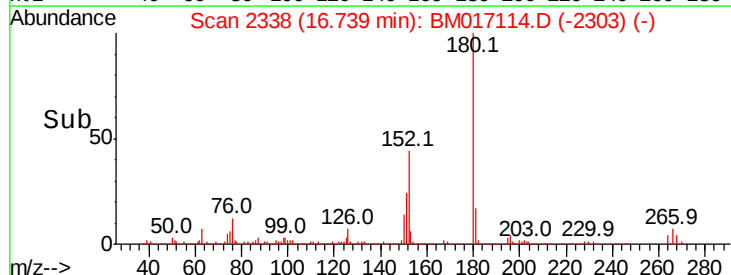
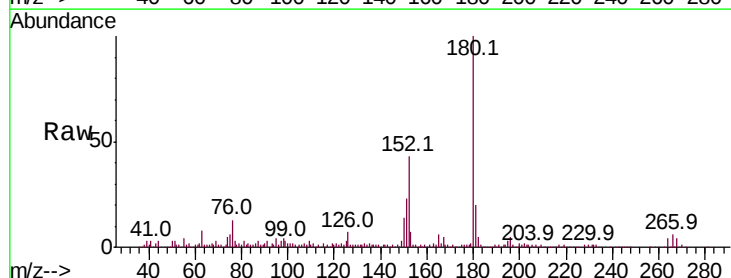
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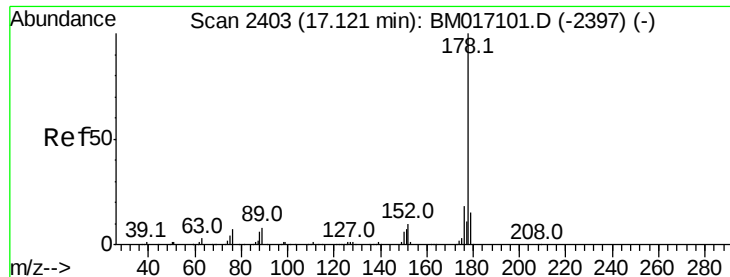
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#69
Pentachlorophenol
 Concen: 2.032 ng/ul
 RT: 16.74 min Scan# 2338
 Delta R.T. 0.01 min
 Lab File: BM017114.D
 Acq: 11 Oct 2018 01:24

Tgt Ion:	266	Resp:	25491
Ion Ratio	Lower	Upper	
266	100		
264	57.6	50.4	75.6
268	58.6	53.6	80.4





#70

Phenanthrene

Concen: 158.540 ng/ul m

RT: 17.13 min Scan# 2405

Delta R.T. 0.01 min

Lab File: BM017114.D

Acq: 11 Oct 2018 01:24

Instrument :

BNA_M

ClientSampled :

JLC25

Tot Ion:178 Resp:14583960

Ion Ratio Lower Upper

178 100

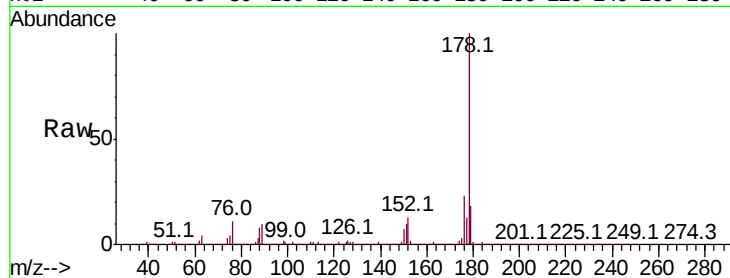
179 18.4 12.2 18.2#

176 22.7 15.0 22.4#

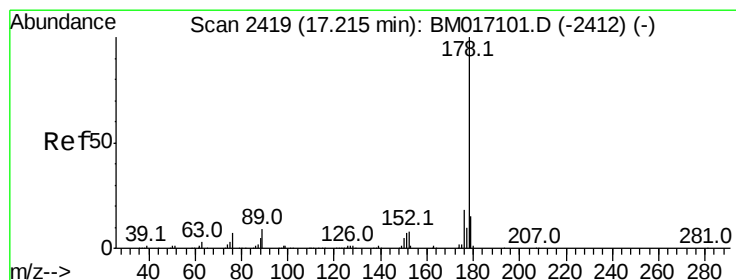
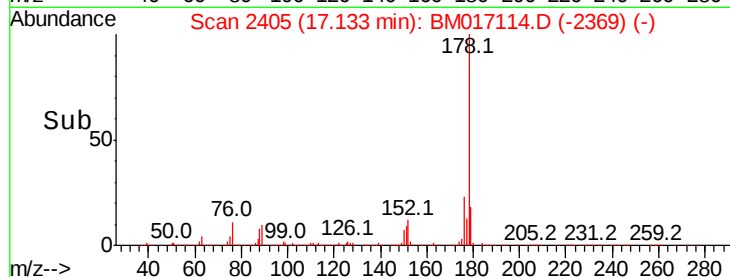
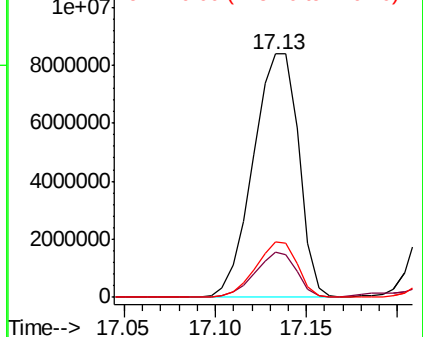
Manual Integrations
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#72

Anthracene

Concen: 49.893 ng/ul

RT: 17.22 min Scan# 2420

Delta R.T. 0.01 min

Lab File: BM017114.D

Acq: 11 Oct 2018 01:24

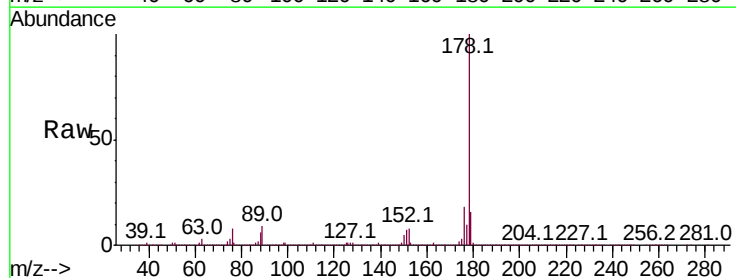
Tgt Ion:178 Resp: 4663472

Ion Ratio Lower Upper

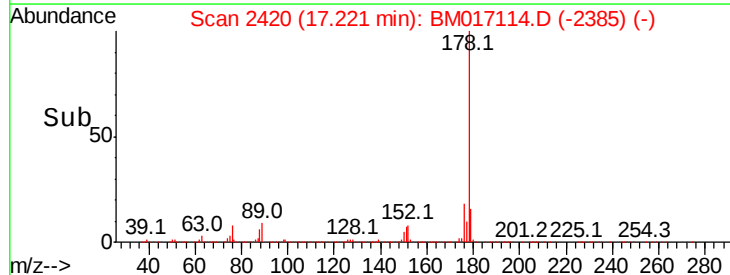
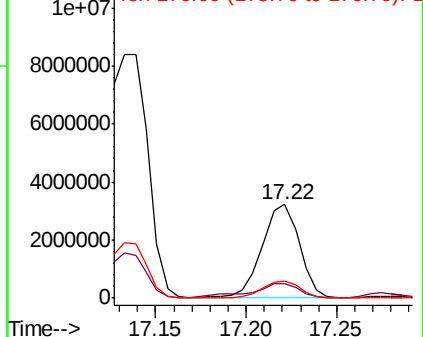
178 100

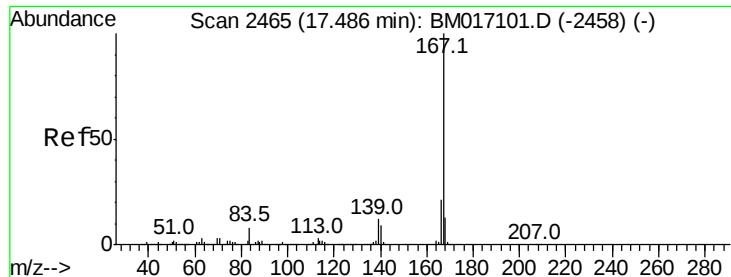
179 15.6 12.2 18.4

176 18.3 14.6 22.0



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





#75

Carbazole

Concen: 17.665 ng/ul

RT: 17.49 min Scan# 2466

Delta R.T. 0.01 min

Lab File: BM017114.D

Acq: 11 Oct 2018 01:24

Instrument :

BNA_M

ClientSampleId :

JLC25

Tot Ion:167 Resp: 1428958

Ion Ratio Lower Upper

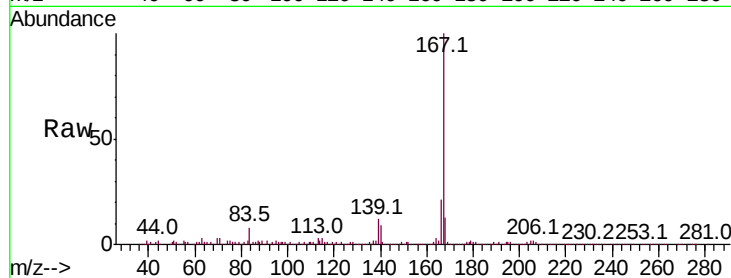
167 100

166 21.4 17.0 25.4

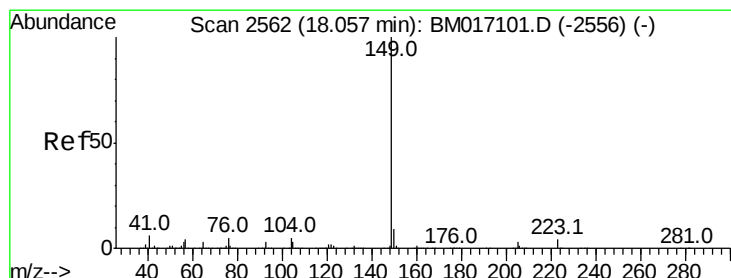
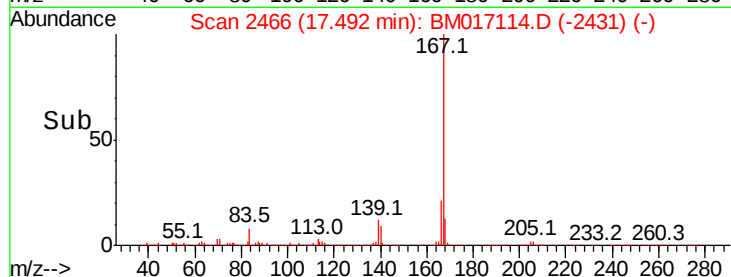
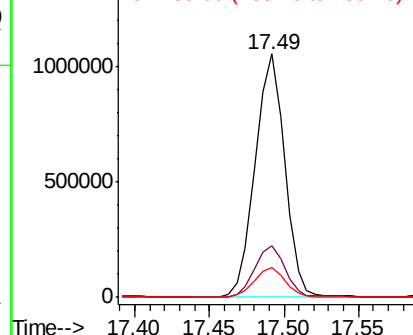
139 12.2 10.0 15.0

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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

Di-n-butylphthalate

Concen: 12.441 ng/ul

RT: 18.06 min Scan# 2562

Delta R.T. -0.00 min

Lab File: BM017114.D

Acq: 11 Oct 2018 01:24

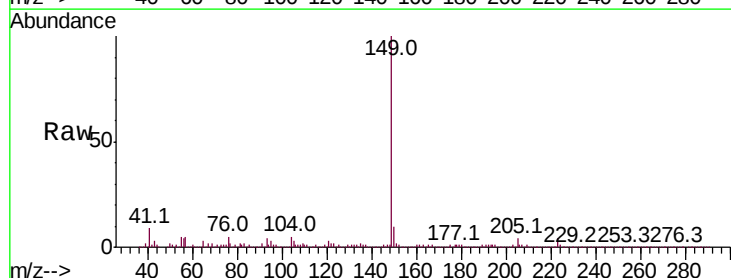
Tgt Ion:149 Resp: 1125128

Ion Ratio Lower Upper

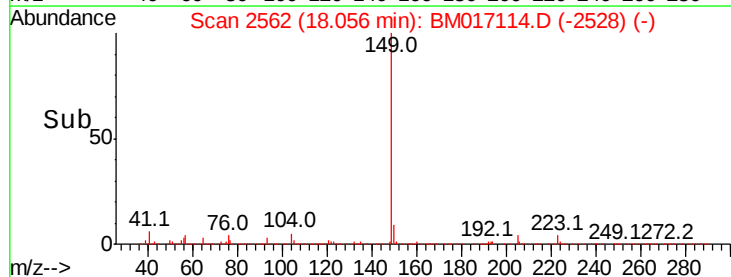
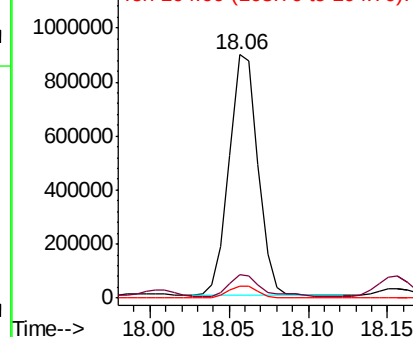
149 100

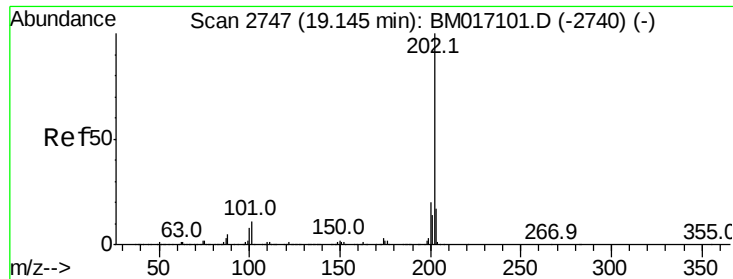
150 9.5 7.4 11.0

104 4.6 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





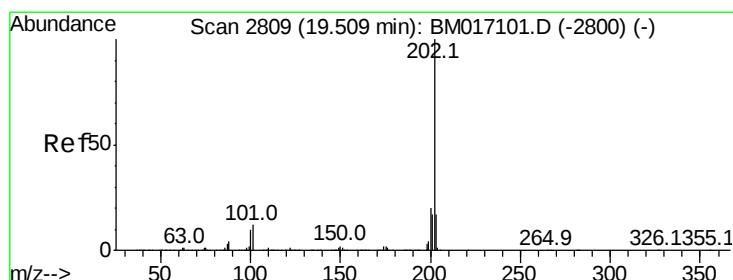
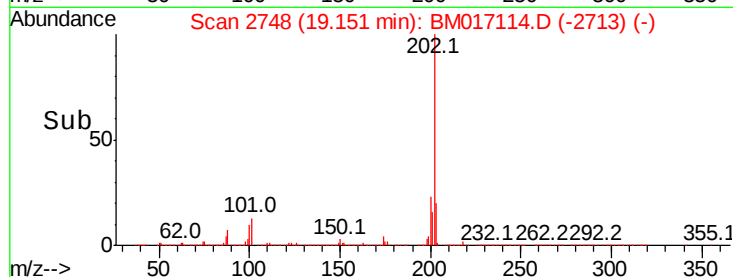
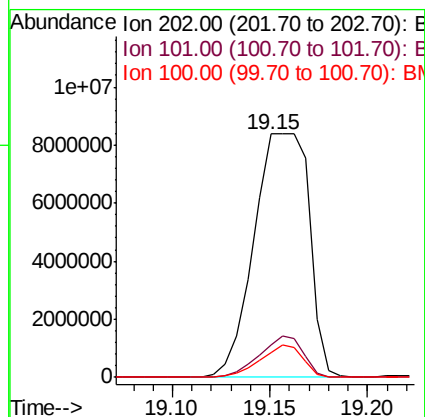
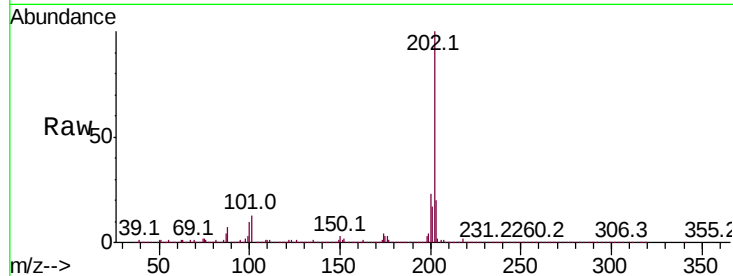
#77
Fluoranthene
Concen: 154.002 ng/ul
RT: 19.15 min Scan# 2748
Delta R.T. 0.01 min
Lab File: BM017114.D
Acq: 11 Oct 2018 01:24

Instrument :
BNA_M
ClientSampleId :
JLC25

Tot Ion:202 Resp:16409512
Ion Ratio Lower Upper
202 100
101 13.4 8.3 12.5#
100 10.2 6.6 9.8#

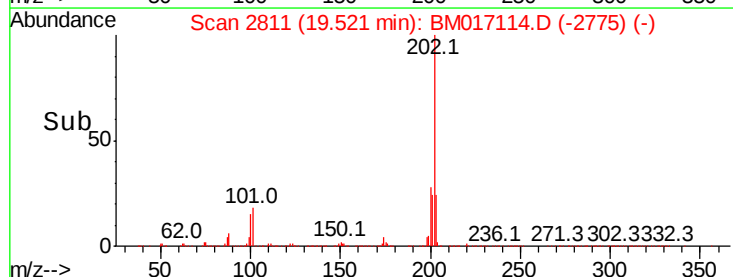
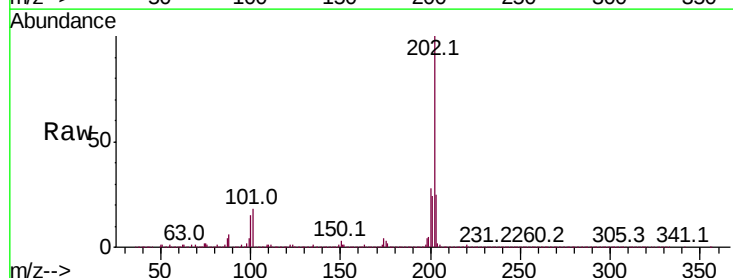
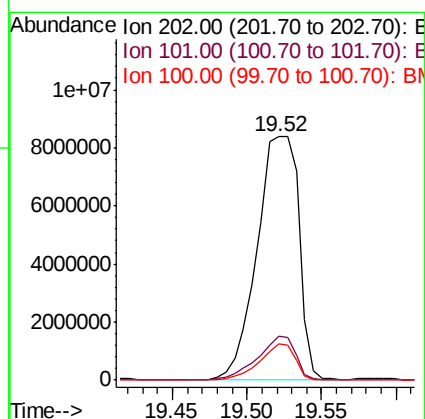
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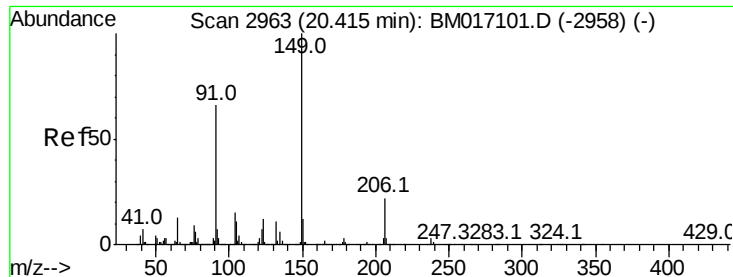
Sohil
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#80
Pyrene
Concen: 228.882 ng/ul
RT: 19.52 min Scan# 2811
Delta R.T. 0.01 min
Lab File: BM017114.D
Acq: 11 Oct 2018 01:24

Tgt Ion:202 Resp:16302171
Ion Ratio Lower Upper
202 100
101 18.1 10.8 16.2#
100 14.9 8.9 13.3#





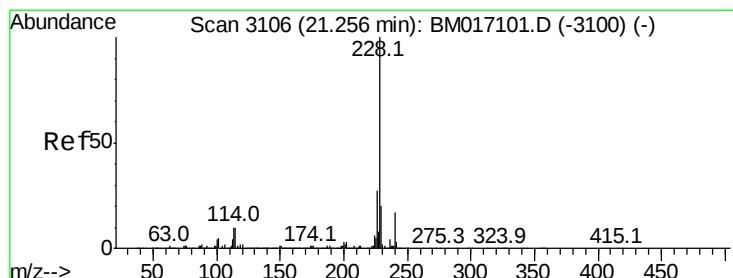
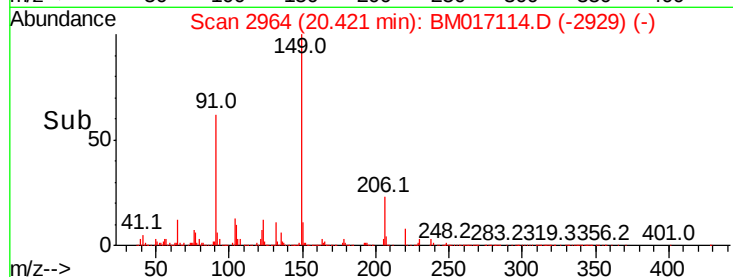
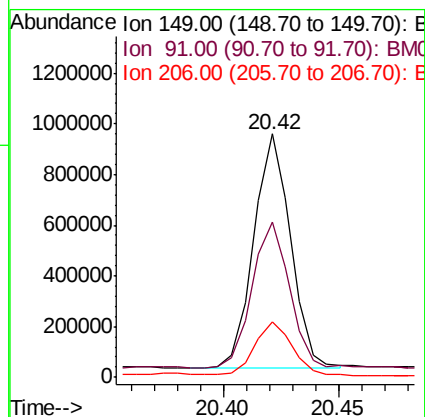
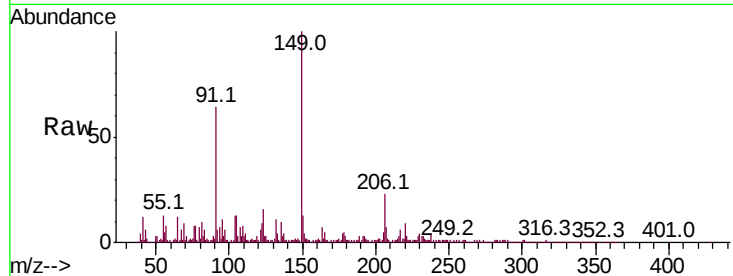
#81
Butylbenzylphthalate
Concen: 41.908 ng/ul
RT: 20.42 min Scan# 2964
Delta R.T. 0.01 min
Lab File: BM017114.D
Acq: 11 Oct 2018 01:24

Instrument :
BNA_M
ClientSampled :
JLC25

Tot Ion	Ratio	Lower	Upper
149	100		
91	64.0	56.1	84.1
206	23.0	17.2	25.8

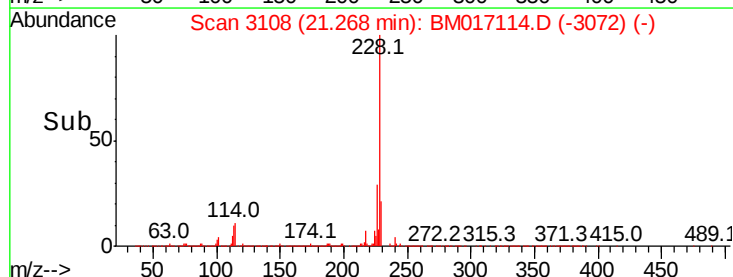
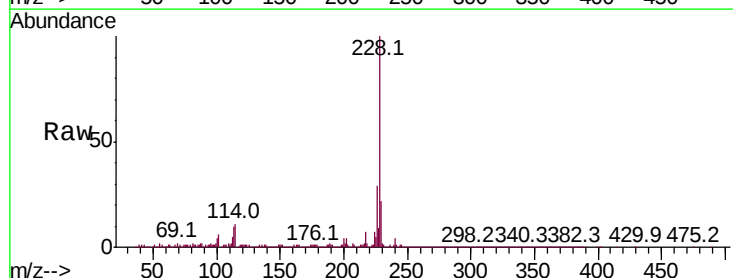
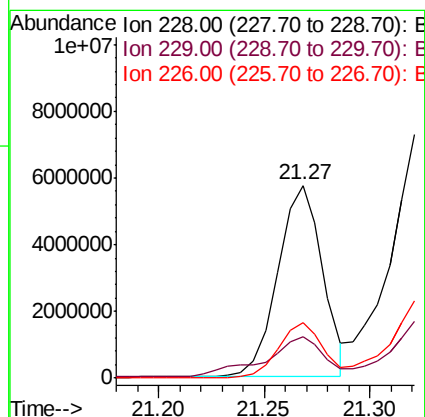
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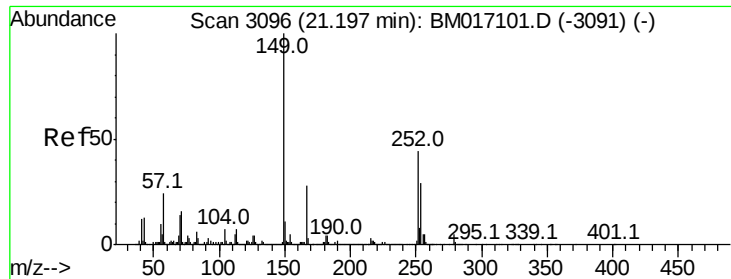
Sohil
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#83
Benzo(a)anthracene
Concen: 114.439 ng/ul
RT: 21.27 min Scan# 3108
Delta R.T. 0.01 min
Lab File: BM017114.D
Acq: 11 Oct 2018 01:24

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.8	15.7	23.5
226	28.8	20.9	31.3





#84

Bis(2-ethylhexyl)phthalate

Concen: 65.778 ng/ul

RT: 21.20 min Scan# 3097

Delta R.T. 0.01 min

Lab File: BM017114.D

Acq: 11 Oct 2018 01:24

Instrument :

BNA_M

ClientSampled :

JLC25

Tot Ion:149 Resp: 2505452

Ion Ratio Lower Upper

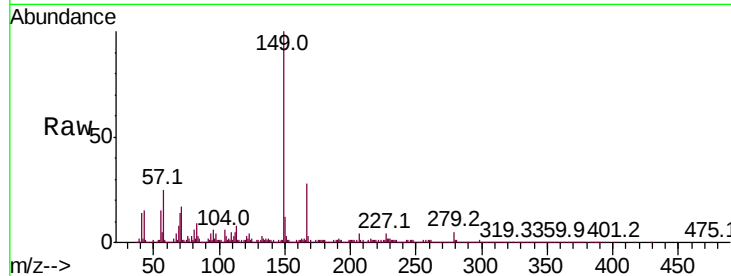
149 100

167 28.1 22.5 33.7

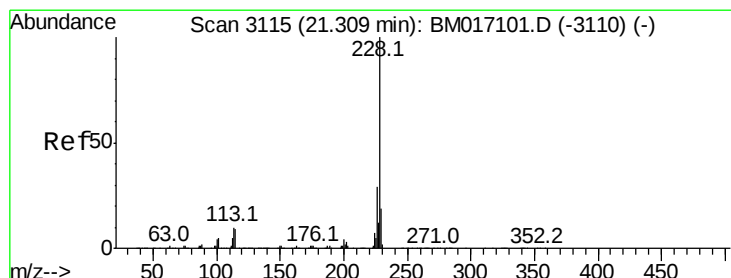
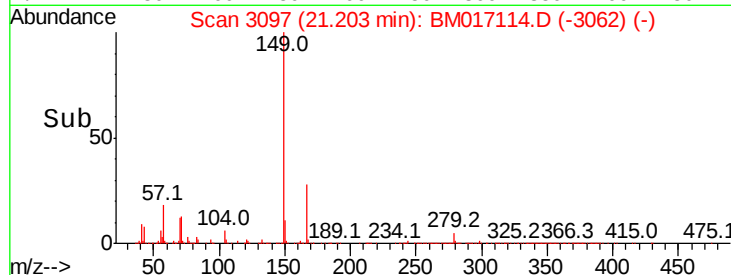
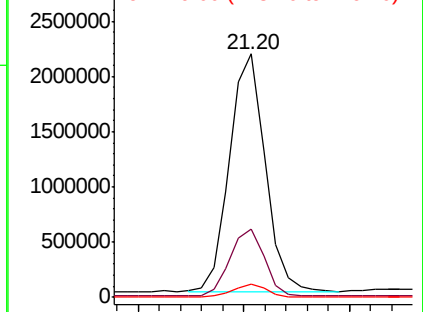
279 5.4 3.7 5.5

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Abundance Ion 149.00 (148.70 to 149.70): E
3000000
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#85

Chrysene

Concen: 174.911 ng/ul

RT: 21.33 min Scan# 3118

Delta R.T. 0.02 min

Lab File: BM017114.D

Acq: 11 Oct 2018 01:24

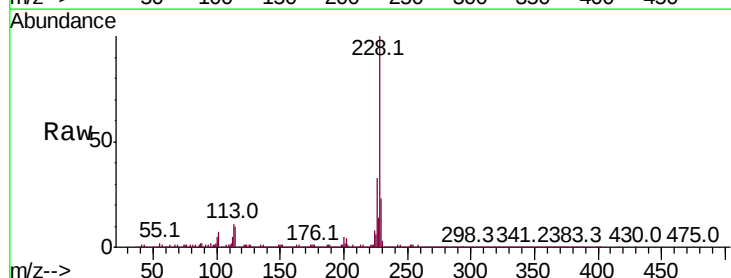
Tgt Ion:228 Resp:12475018

Ion Ratio Lower Upper

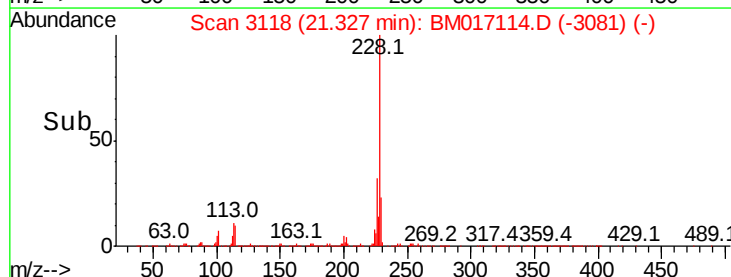
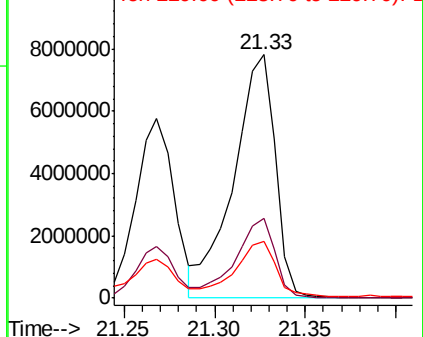
228 100

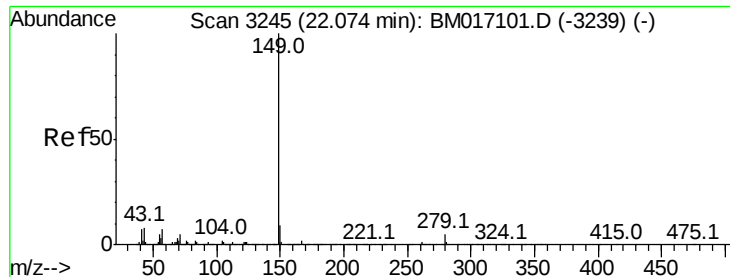
226 32.5 23.4 35.2

229 23.3 15.6 23.4



Abundance Ion 228.00 (227.70 to 228.70): E
1e+07
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#87

Di-n-octyl phthalate

Concen: 3.235 ng/ul

RT: 22.09 min Scan# 3247

Delta R.T. 0.01 min

Lab File: BM017114.D

Acq: 11 Oct 2018 01:24

Instrument :

BNA_M

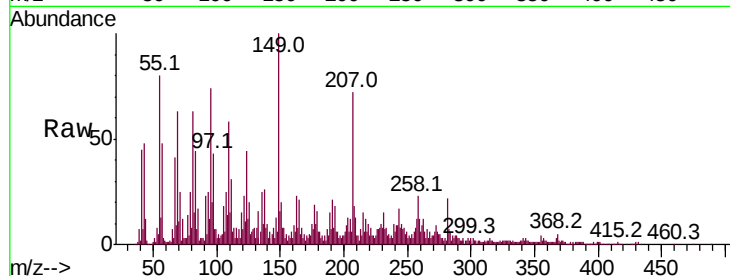
ClientSampleId :

JLC25

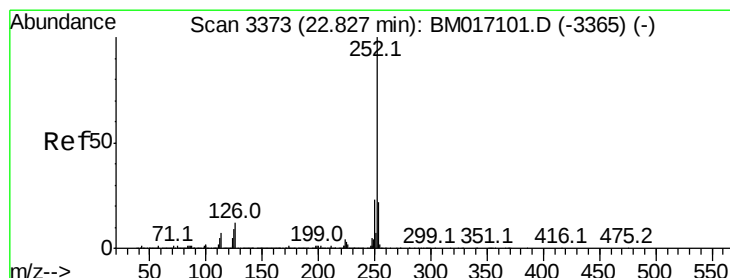
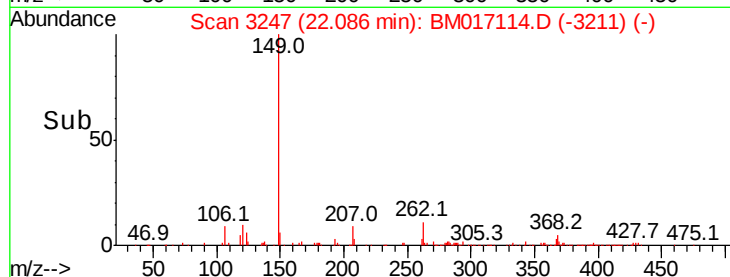
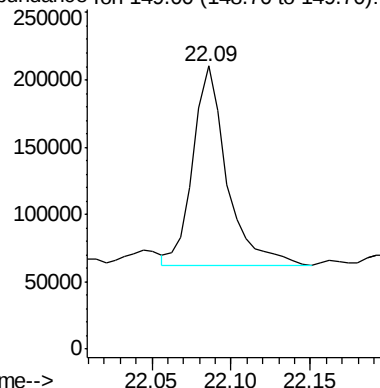
Tgt Ion:149 Resp: 221134

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Abundance Ion 149.00 (148.70 to 149.70): E



#88

Benzo(b)fluoranthene

Concen: 176.023 ng/ul

RT: 22.86 min Scan# 3378

Delta R.T. 0.03 min

Lab File: BM017114.D

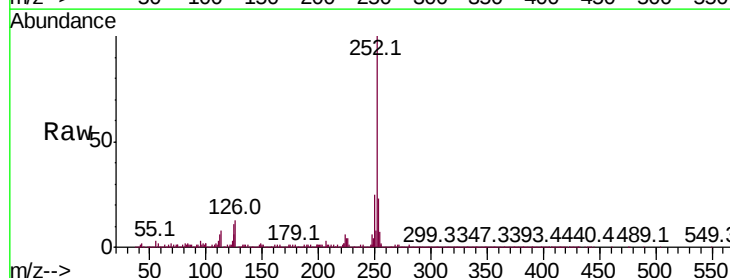
Acq: 11 Oct 2018 01:24

Tgt Ion:252 Resp:13399525

Ion	Ratio	Lower	Upper
252	100		

253	23.2	17.3	25.9
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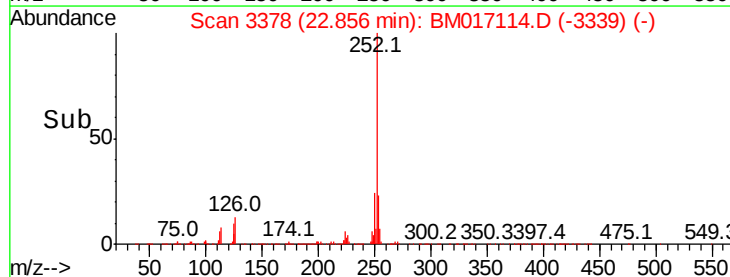
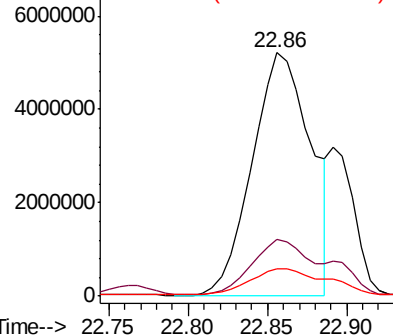
125	11.3	8.2	12.4
-----	------	-----	------

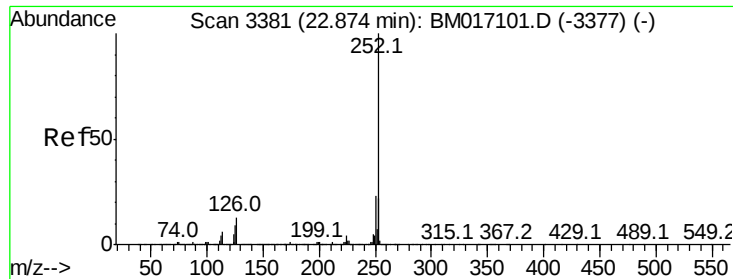


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





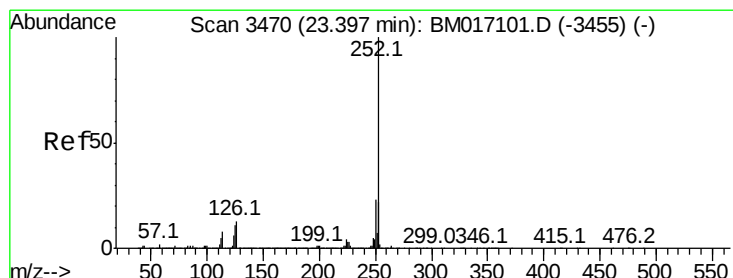
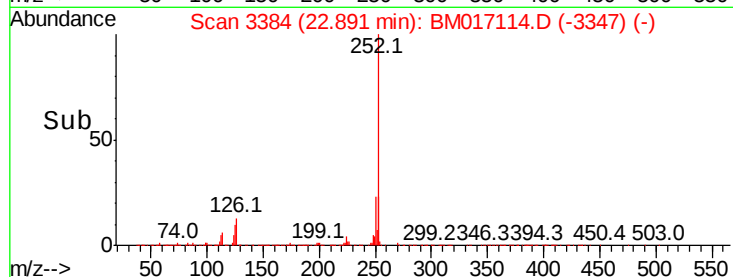
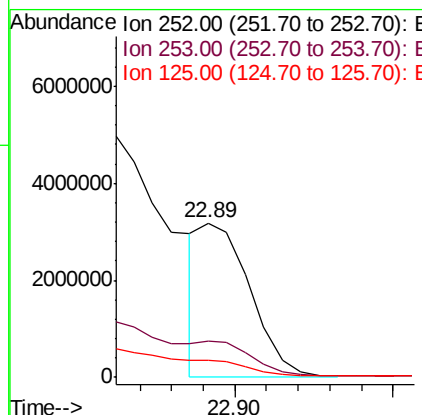
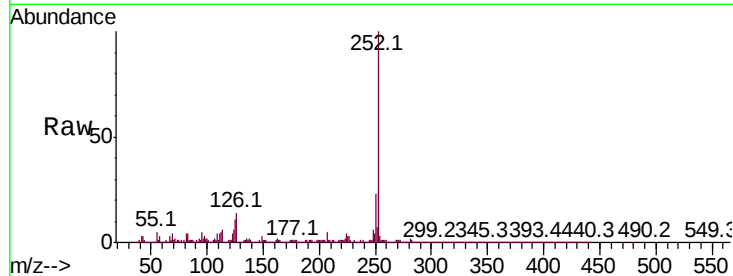
#89
Benzo(k)fluoranthene
Concen: 47.186 ng/ul m
RT: 22.89 min Scan# 3384
Delta R.T. 0.02 min
Lab File: BM017114.D
Acq: 11 Oct 2018 01:24

Instrument :
BNA_M
ClientSampleId :
JLC25

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.5	26.3
125	11.3	8.2	12.4

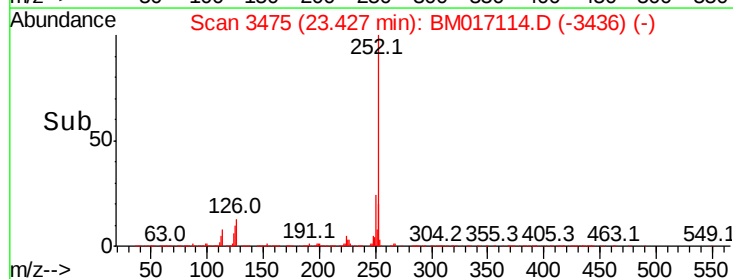
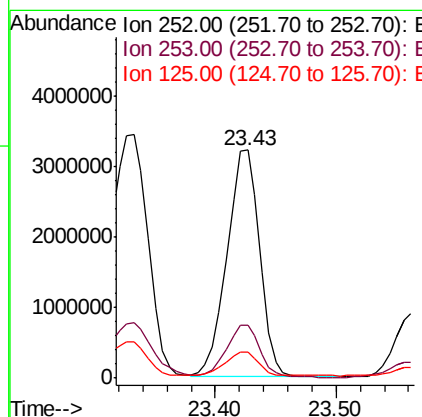
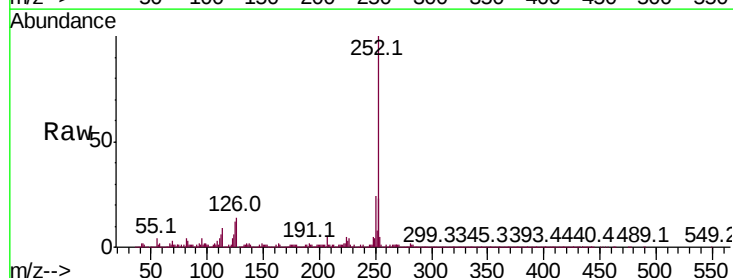
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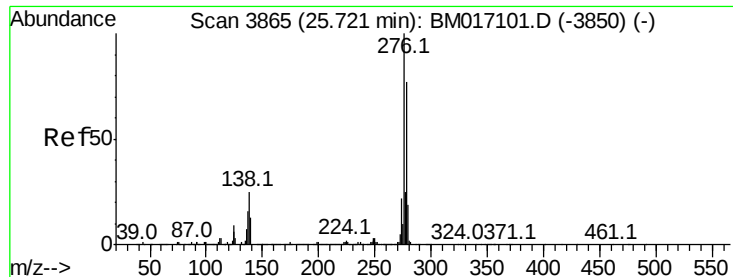
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#91
Benzo(a)pyrene
Concen: 82.378 ng/ul
RT: 23.43 min Scan# 3475
Delta R.T. 0.03 min
Lab File: BM017114.D
Acq: 11 Oct 2018 01:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.4
125	11.6	9.0	13.6





#92
 Indeno(1,2,3-cd)pyrene
 Concen: 57.032 ng/ul
 RT: 25.76 min Scan# 3872
 Delta R.T. 0.04 min
 Lab File: BM017114.D
 Acq: 11 Oct 2018 01:24

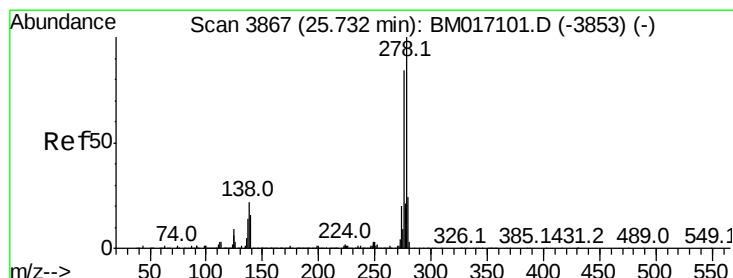
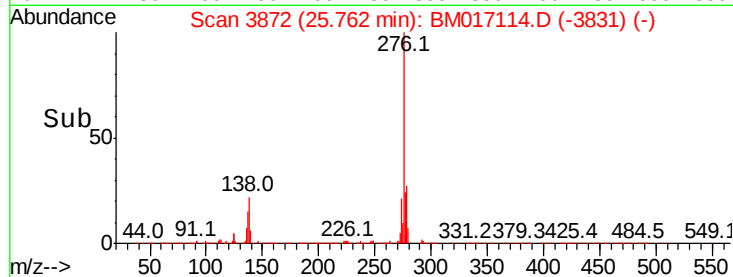
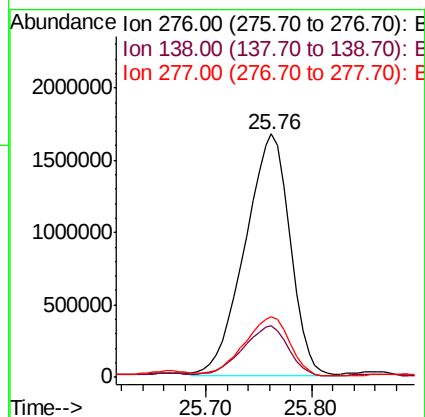
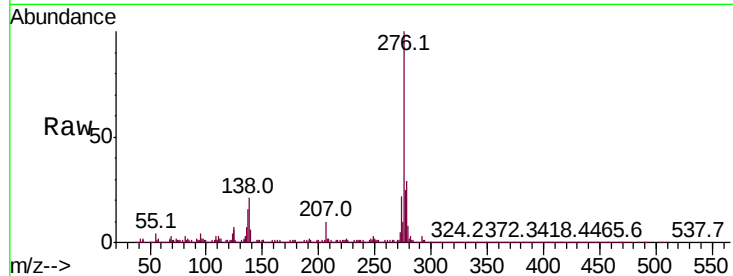
Instrument :
 BNA_M
 ClientSampleId :
 JLC25

Tot Ion:276 Resp: 4939584

Ion	Ratio	Lower	Upper
276	100		
138	21.4	20.3	30.5
277	24.9	20.2	30.2

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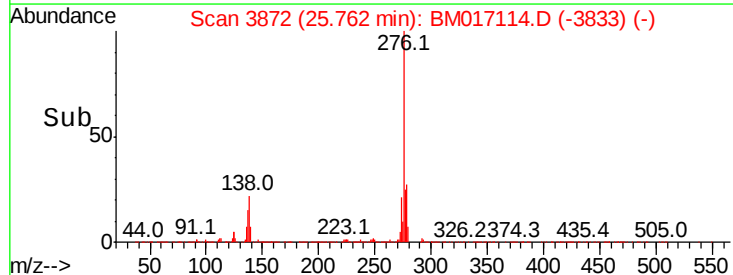
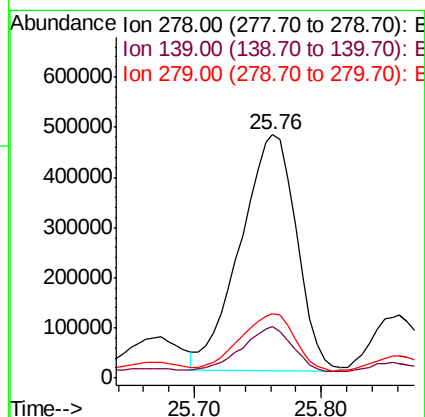
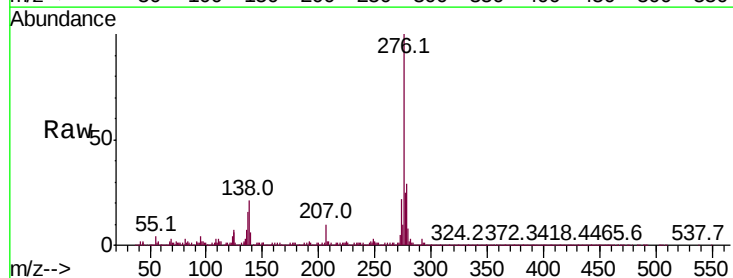
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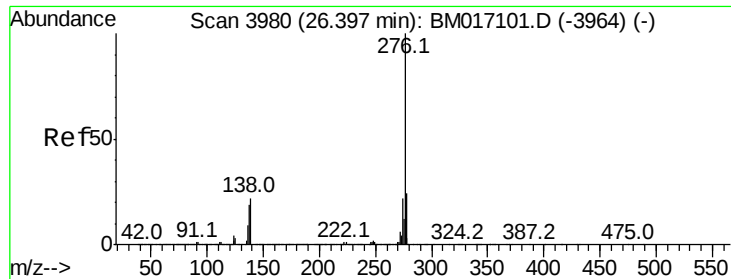


#93
 Dibenzo(a,h)anthracene
 Concen: 20.201 ng/ul
 RT: 25.76 min Scan# 3872
 Delta R.T. 0.03 min
 Lab File: BM017114.D
 Acq: 11 Oct 2018 01:24

Tgt Ion:278 Resp: 1456535

Ion	Ratio	Lower	Upper
278	100		
139	21.0	13.2	19.8#
279	26.7	18.4	27.6





#94

Benzo(a,h,i)perylene

Concen: 72.476 ng/ul

RT: 26.46 min Scan# 3990

Delta R.T. 0.06 min

Lab File: BM017114.D

Acq: 11 Oct 2018 01:24

Instrument :

BNA_M

ClientSampleId :

JLC25

Tot Ion:276 Resp: 5227192

Ion Ratio Lower Upper

276 100

138 21.4 17.5 26.3

277 24.2 18.5 27.7

Manual Integrations

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