

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101119\
 Data File : BM023139.D
 Acq On : 11 Oct 2019 20:44
 Operator : JU
 Sample : K5124-02DL 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 JLM51DL

Manual Integrations
 APPROVED

mohammad
 10/16/2019 8:02:28 AM

Quant Time: Oct 12 01:22:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 08 15:02:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	163176	20.00	ng/ul	0.00
18) Naphthalene-d8	10.56	136	625117	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.40	164	331551	20.00	ng/ul	-0.01
62) Phenanthrene-d10	17.14	188	634058	20.00	ng/ul	0.00
78) Chrysene-d12	21.33	240	642529	20.00	ng/ul	0.00
86) Perylene-d12	23.59	264	781102	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.26	96	9174	2.43	ng/uL	0.00
5) Phenol-d5	6.94	99	149187	10.35	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.10	67	93776	11.88	ng/ul	0.00
9) 2-Chlorophenol-d4	7.30	132	137673	11.86	ng/ul	0.00
13) 4-Methylphenol-d8	8.47	113	118440	10.03	ng/ul	0.00
19) Nitrobenzene-d5	8.92	128	63868	13.24	ng/ul	0.00
22) 2-Nitrophenol-d4	9.64	143	69148	13.13	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	10.18	165	121257	11.56	ng/ul	0.00
29) 4-Chloroaniline-d4	10.70	131	52359	4.11	ng/ul	0.00
44) Dimethylphthalate-d6	13.82	166	330298	12.84	ng/ul	0.00
47) Acenaphthylene-d8	14.10	160	403071	13.57	ng/ul	0.00
52) 4-Nitrophenol-d4	14.62	143	24419	4.80	ng/ul	0.00
58) Fluorene-d10	15.40	176	283059	12.91	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.52	200	25941	6.29	ng/ul	0.00
71) Anthracene-d10	17.24	188	416249	13.44	ng/ul	0.00
79) Pyrene-d10	19.54	212	460451	13.31	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.44	264	538714	13.33	ng/ul	0.00

Target Compounds

					Ovalue	
4) Benzaldehyde	6.92	77	8627	1.320	ng/ul	93
6) Phenol	6.97	94	33056	2.187	ng/ul	98
16) 4-Methylphenol	8.53	108	34124	2.649	ng/ul	86
28) Naphthalene	10.60	128	55684	1.649	ng/ul	99
45) Dimethylphthalate	13.86	163	112365	4.251	ng/ul	99
48) Acenaphthylene	14.13	152	177951	5.549	ng/ul	99
50) Acenaphthene	14.47	153	49364	2.209	ng/ul	100
54) Dibenzofuran	14.80	168	43191	1.354	ng/ul	98
59) Fluorene	15.45	166	55136	2.138	ng/ul#	98
70) Phenanthrene	17.19	178	1659690	43.859	ng/ul	99
72) Anthracene	17.28	178	192210	4.985	ng/ul	100
75) Carbazole	17.54	167	235004	6.858	ng/ul	99
77) Fluoranthene	19.21	202	2563603	60.235	ng/ul	100
80) Pyrene	19.57	202	2556338	56.125	ng/ul	100
81) Butylbenzylphthalate	20.47	149	22470	1.200	ng/ul#	85
83) Benzo(a)anthracene	21.32	228	1024056	22.199	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.25	149	42052	1.580	ng/ul#	95
85) Chrysene	21.37	228	1286933	30.258	ng/ul	97
88) Benzo(b)fluoranthene	22.92	252	1937481	37.377	ng/ul#	92
89) Benzo(k)fluoranthene	22.95	252	527032m	10.627	ng/ul	
91) Benzo(a)pyrene	23.49	252	1471673	30.262	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.87	276	1041191	20.157	ng/ul	95
93) Dibenz(a,h)anthracene	25.88	278	228857	5.296	ng/ul#	86

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Misc :
ALS Vial : 20 Sample Multiplier: 1

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BNA_M
ClientSampleId :
JLM51DL

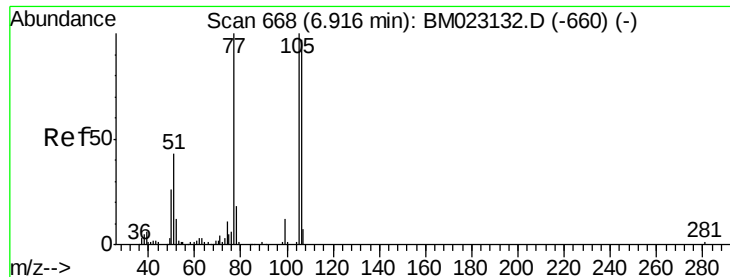
Manual Integrations
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Quant Time: Oct 12 01:22:29 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 08 15:02:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Benzo(q,h,i)perylene	26.59	276	1027430	24.654	ng/ul	98

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



#4

Benzaldehyd

Concen: 1.320 ng/ul

RT: 6.92 min Scan# 668

Delta R.T. -0.01 min

Lab File: BM023139.D

Acq: 11 Oct 2019 20:44

Instrument :

BNA_M

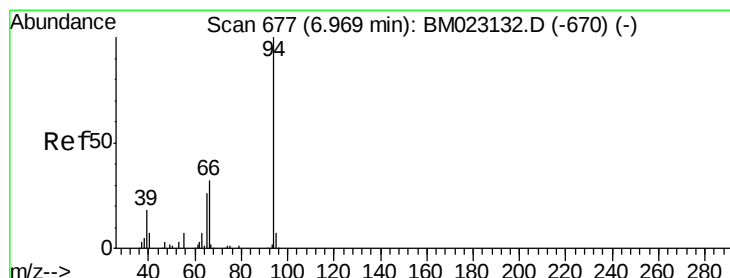
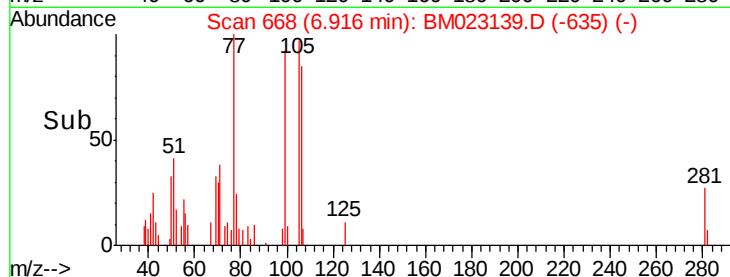
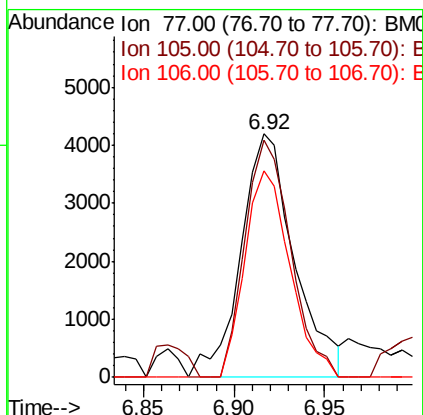
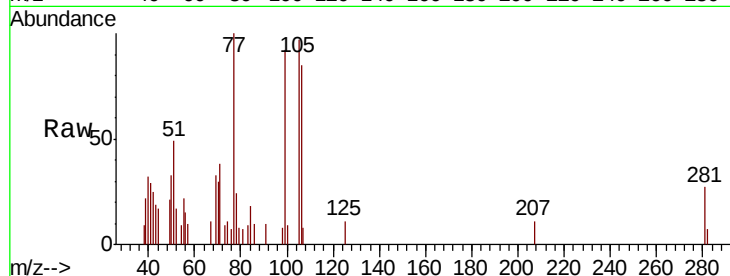
ClientSampleId :

JLM51DL

Tot Ion:	77	Resp:	8627
Ion	Ratio	Lower	Upper
77	100		
105	97.4	80.6	120.8
106	84.9	77.0	115.6

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#6

Phenol

Concen: 2.187 ng/ul

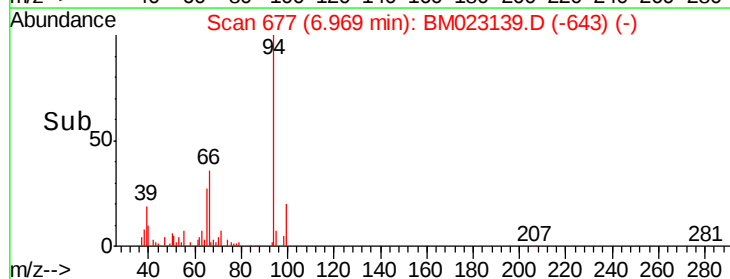
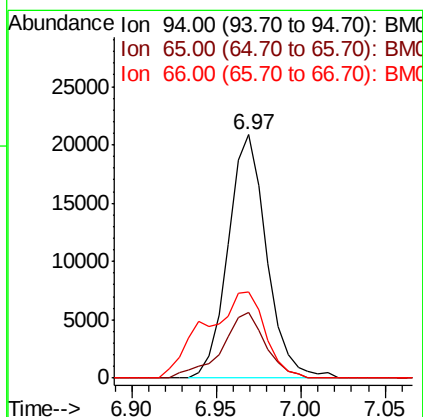
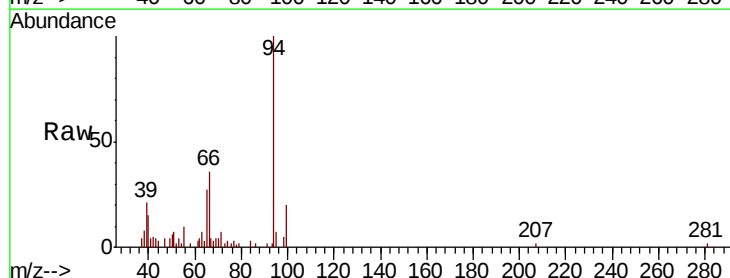
RT: 6.97 min Scan# 677

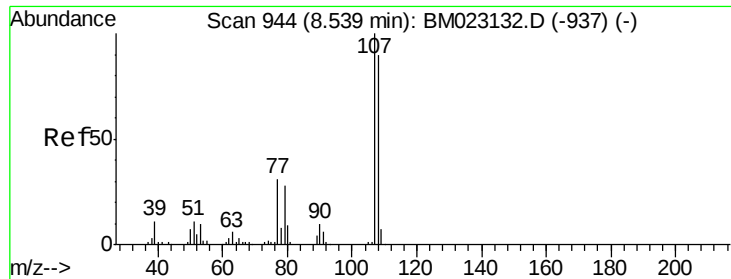
Delta R.T. 0.00 min

Lab File: BM023139.D

Acq: 11 Oct 2019 20:44

Tgt Ion:	94	Resp:	33056
Ion	Ratio	Lower	Upper
94	100		
65	26.8	20.9	31.3
66	35.7	27.2	40.8





#16

4-Methylphenol

Concen: 2.649 ng/ul

RT: 8.53 min Scan# 943

Delta R.T. -0.01 min

Lab File: BM023139.D

Acq: 11 Oct 2019 20:44

Instrument :

BNA_M

ClientSampled :

JLM51DL

Tot Ion:108 Resp: 34124

Ion Ratio Lower Upper

108 100

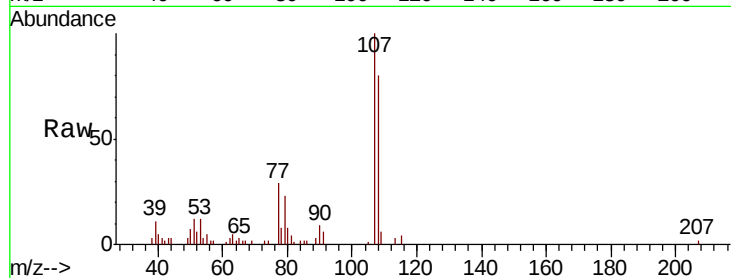
107 125.2 87.9 131.9

Manual Integrations

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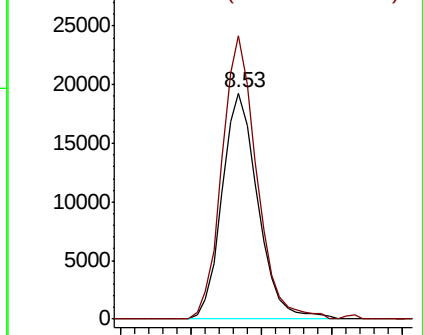
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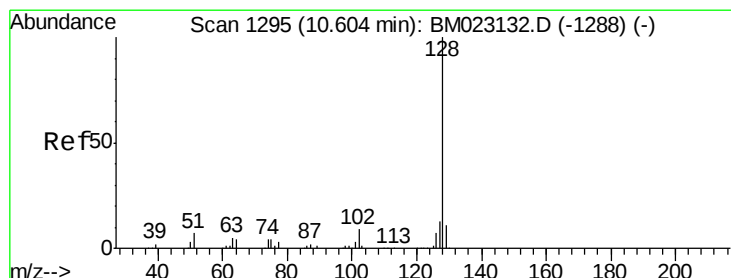
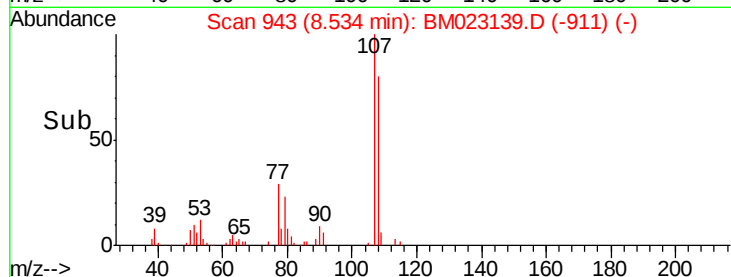


Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E



Time-->



#28

Naphthalene

Concen: 1.649 ng/ul

RT: 10.60 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BM023139.D

Acq: 11 Oct 2019 20:44

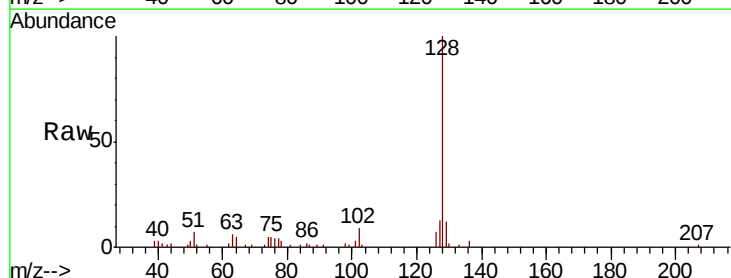
Tgt Ion:128 Resp: 55684

Ion Ratio Lower Upper

128 100

129 11.6 8.6 13.0

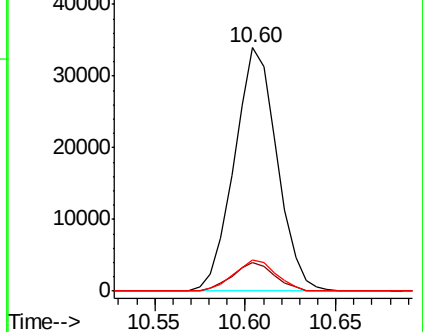
127 12.9 10.2 15.4



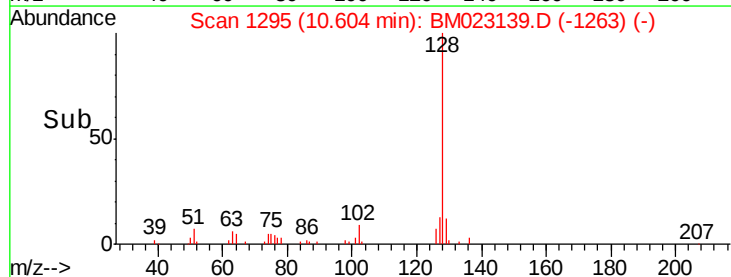
Abundance Ion 128.00 (127.70 to 128.70): E

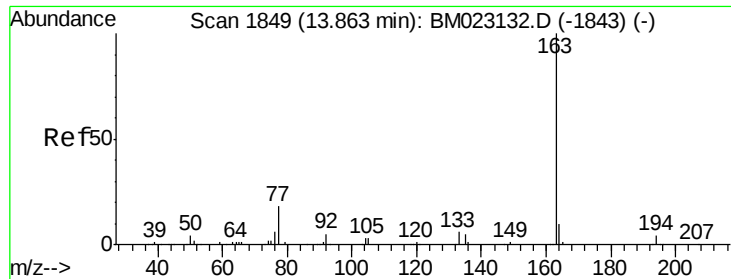
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->





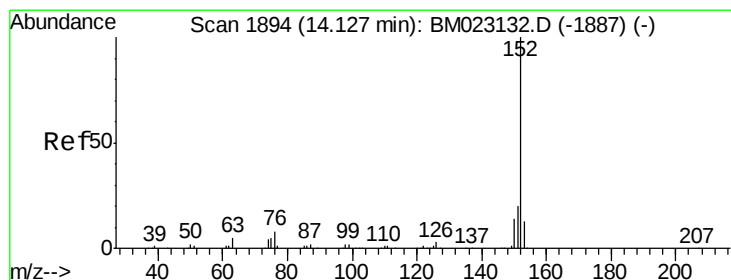
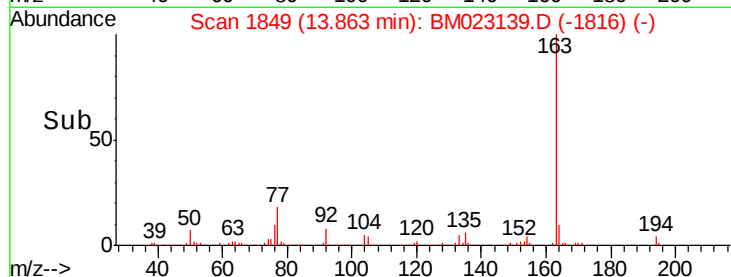
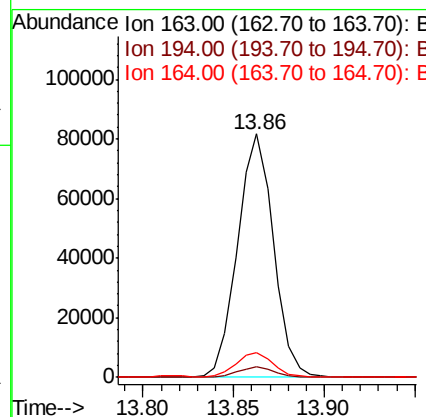
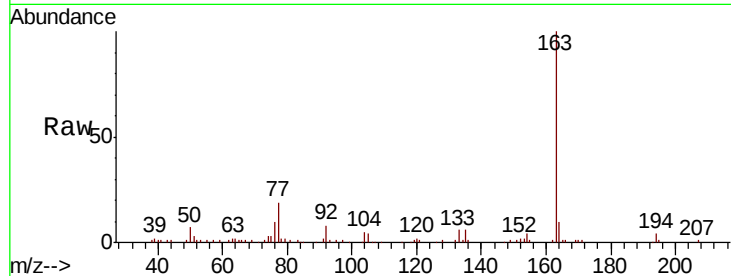
#45
Dimethylphthalate
Concen: 4.251 ng/ul
RT: 13.86 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BM023139.D
Acq: 11 Oct 2019 20:44

Instrument :
BNA_M
ClientSampled :
JLM51DL

Tot Ion	Ratio	Resp	Lower	Upper
163	100	112365		
194	4.3		3.4	5.0
164	10.3		8.1	12.1

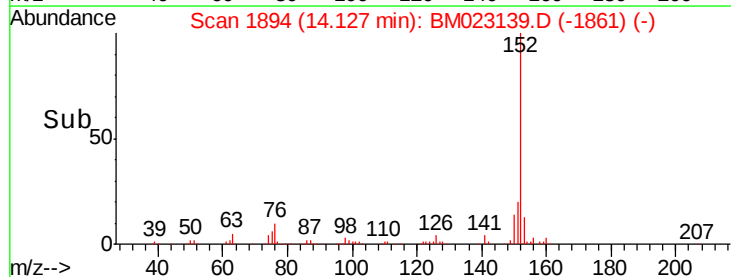
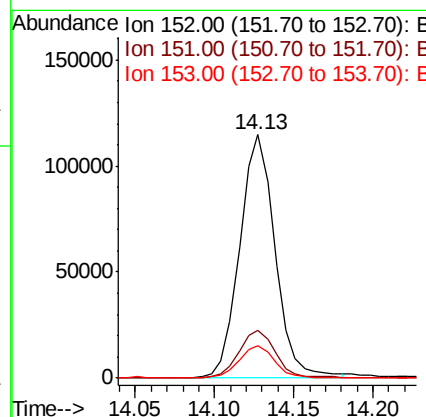
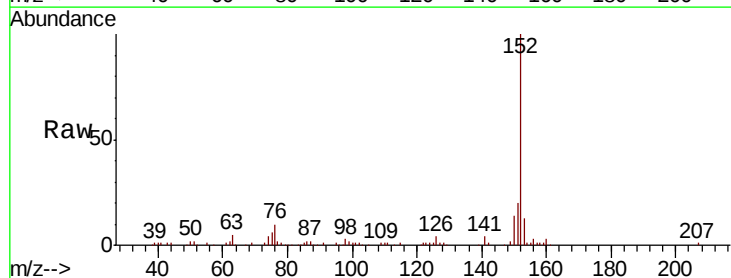
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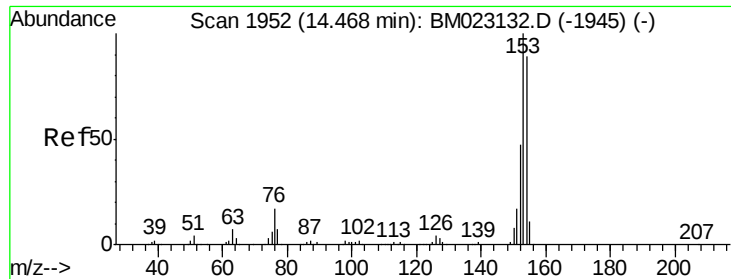
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#48
Acenaphthylene
Concen: 5.549 ng/ul
RT: 14.13 min Scan# 1894
Delta R.T. -0.01 min
Lab File: BM023139.D
Acq: 11 Oct 2019 20:44

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	177951		
151	19.8		16.0	24.0
153	13.1		10.6	16.0





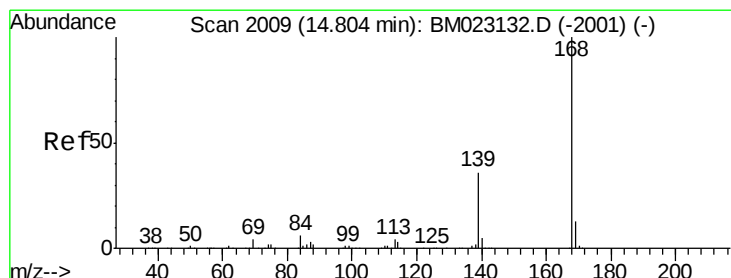
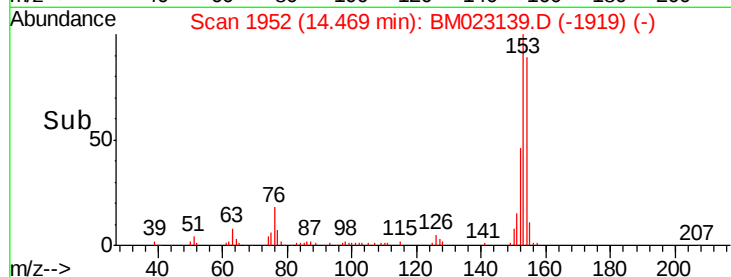
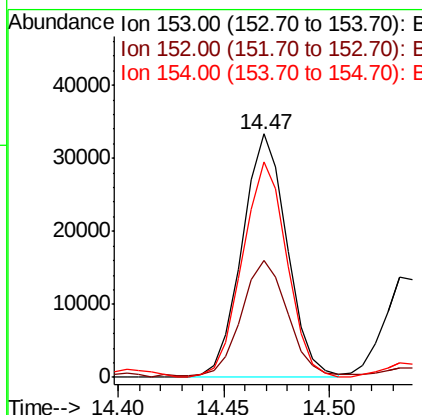
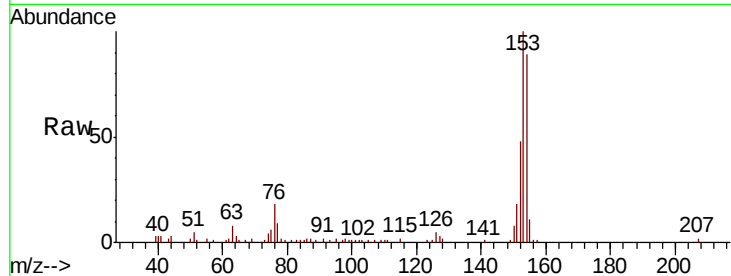
#50
Acenaphthene
Concen: 2.209 ng/ul
RT: 14.47 min Scan# 1952
Delta R.T. -0.01 min
Lab File: BM023139.D
Acq: 11 Oct 2019 20:44

Instrument :
BNA_M
ClientSampleId :
JLM51DL

Tot Ion	Ratio	Lower	Upper
153	100		
152	48.0	38.1	57.1
154	88.6	71.1	106.7

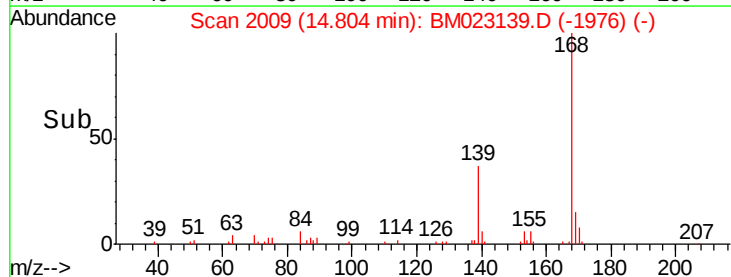
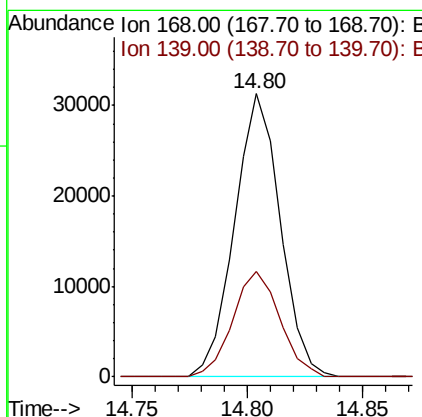
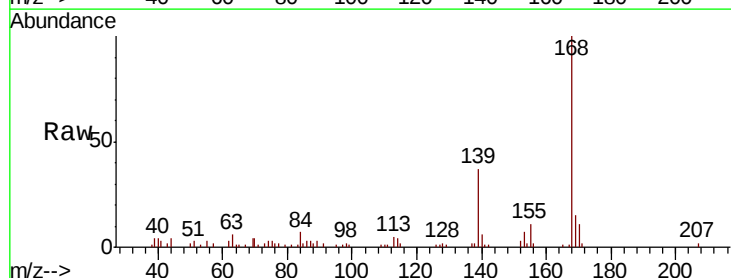
Manual Integrations
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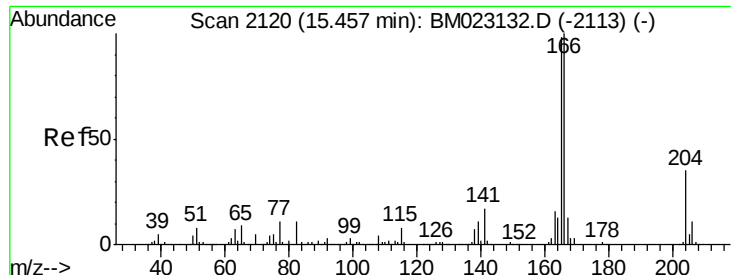
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#54
Dibenzofuran
Concen: 1.354 ng/ul
RT: 14.80 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BM023139.D
Acq: 11 Oct 2019 20:44

Tgt Ion	Ratio	Lower	Upper
168	100		
139	37.3	29.0	43.4





#59

Fluorene

Concen: 2.138 ng/ul

RT: 15.45 min Scan# 2119

Delta R.T. -0.01 min

Lab File: BM023139.D

Acq: 11 Oct 2019 20:44

Instrument :

BNA_M

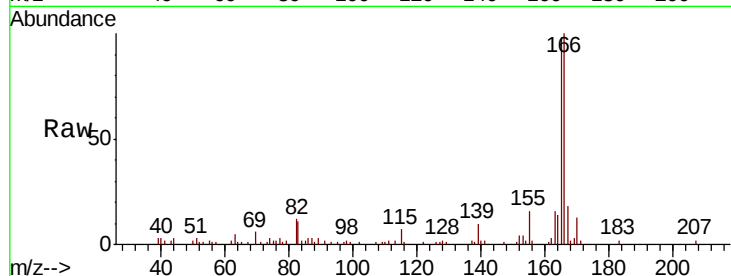
ClientSampleId :

JLM51DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.6	77.7	116.5
167	17.9	11.0	16.4

Manual Integrations
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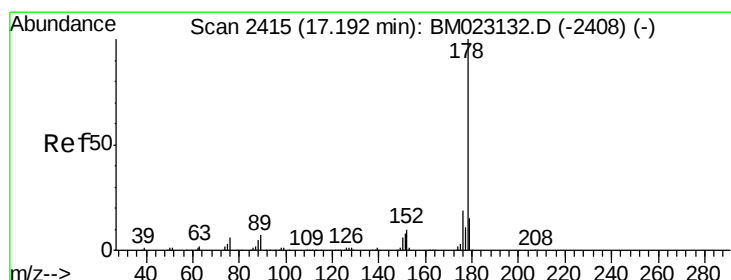
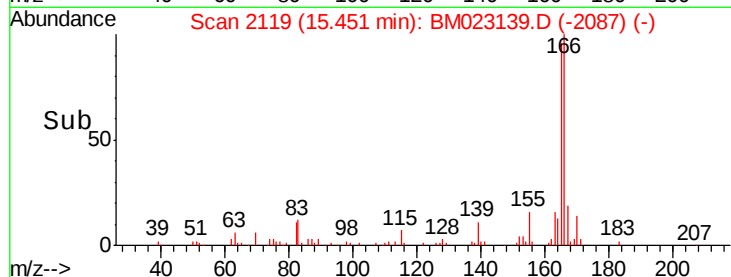
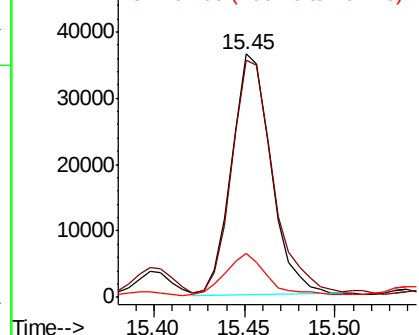


Abundance

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



#70

Phenanthrene

Concen: 43.859 ng/ul

RT: 17.19 min Scan# 2415

Delta R.T. 0.00 min

Lab File: BM023139.D

Acq: 11 Oct 2019 20:44

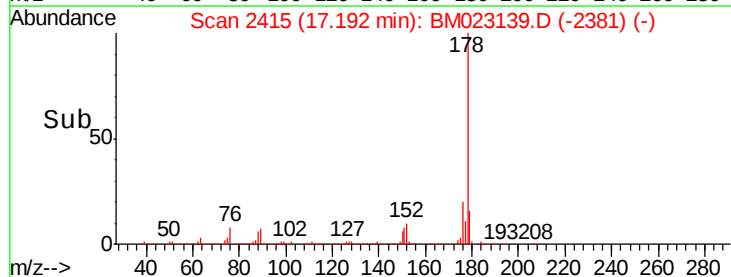
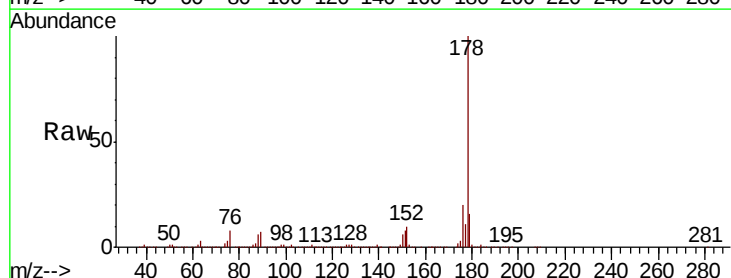
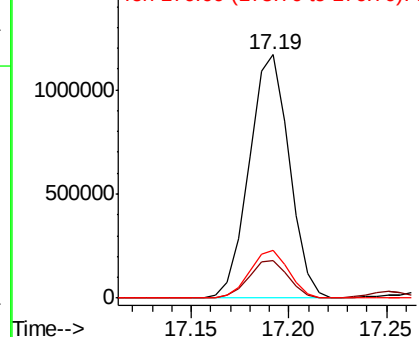
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.4	18.6
176	19.7	15.3	22.9

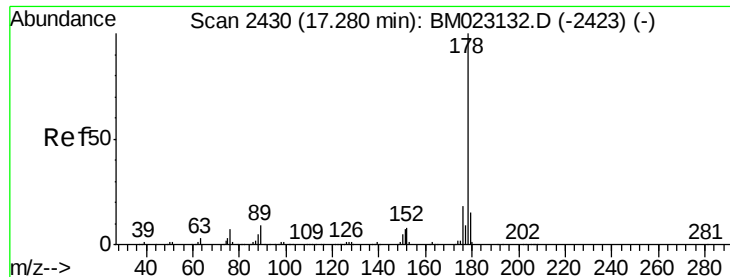
Abundance

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





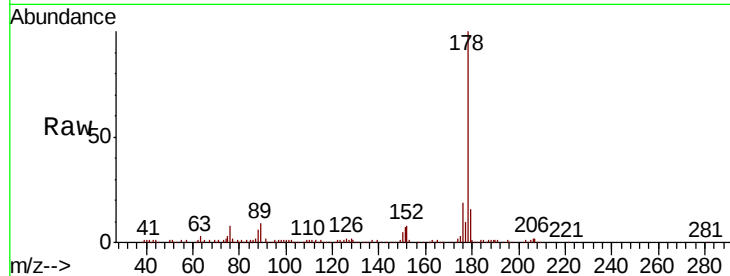
#72
 Anthracene
 Concen: 4.985 ng/ul
 RT: 17.28 min Scan# 2430
 Delta R.T. -0.01 min
 Lab File: BM023139.D
 Acq: 11 Oct 2019 20:44

Instrument :
 BNA_M
 ClientSampleID :
 JLM51DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.4	18.6
176	18.8	15.0	22.6

Manual Integrations
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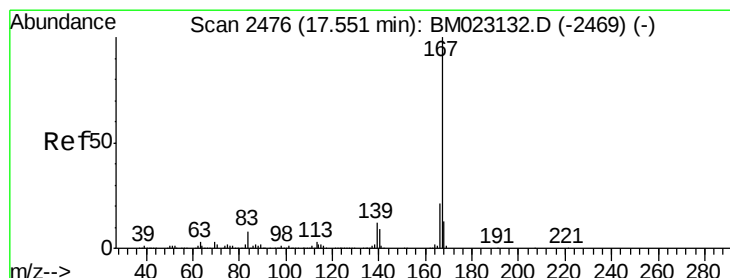
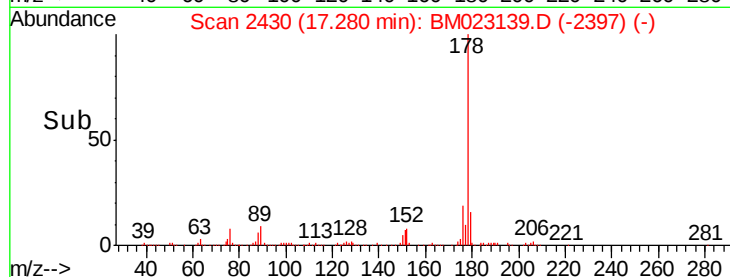
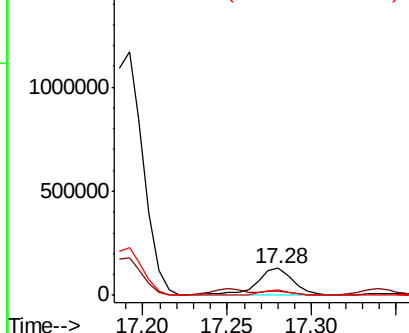


Abundance

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



#75
 Carbazole
 Concen: 6.858 ng/ul
 RT: 17.54 min Scan# 2475
 Delta R.T. -0.01 min
 Lab File: BM023139.D
 Acq: 11 Oct 2019 20:44

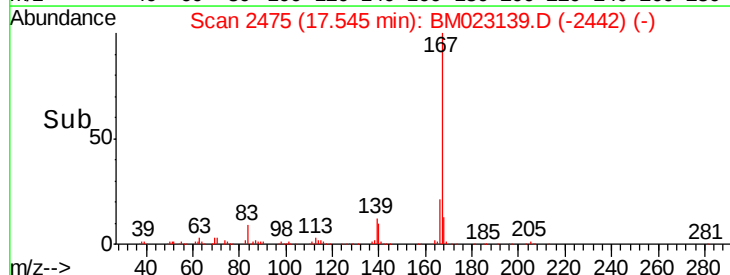
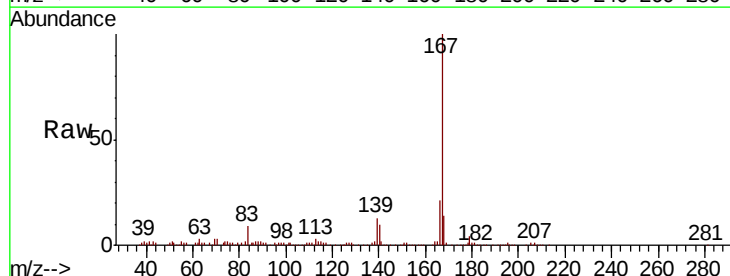
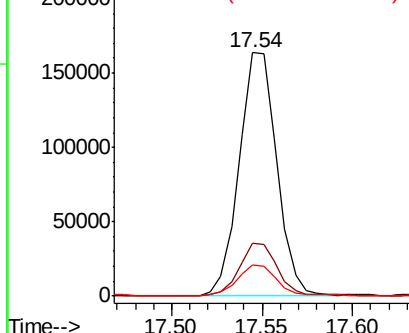
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.1	25.7
139	12.9	9.9	14.9

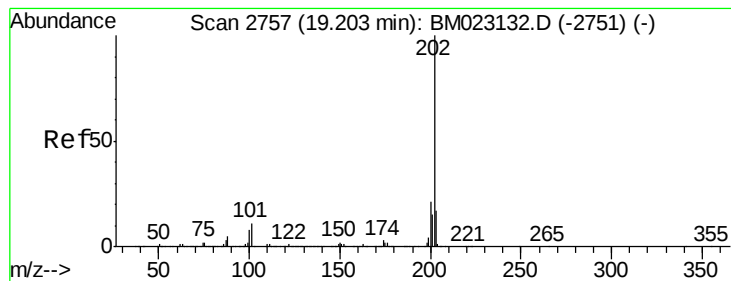
Abundance

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





#77

Fluoranthene

Concen: 60.235 ng/ul

RT: 19.21 min Scan# 2758

Delta R.T. 0.00 min

Lab File: BM023139.D

Acq: 11 Oct 2019 20:44

Instrument :

BNA_M

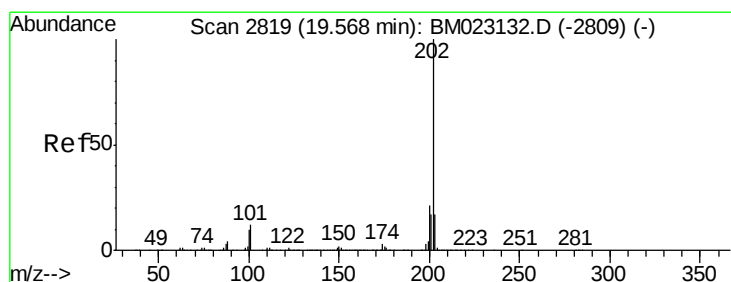
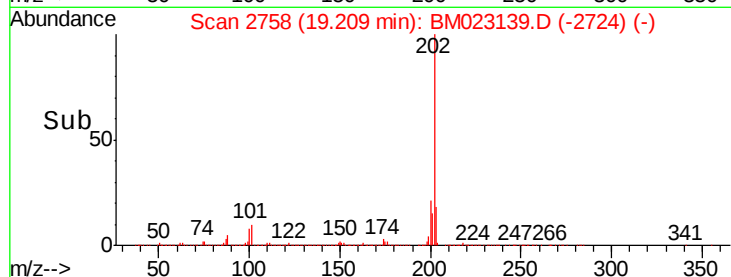
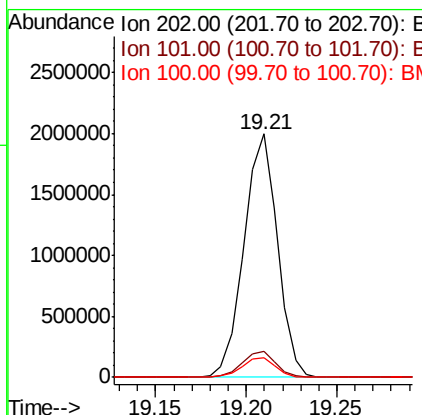
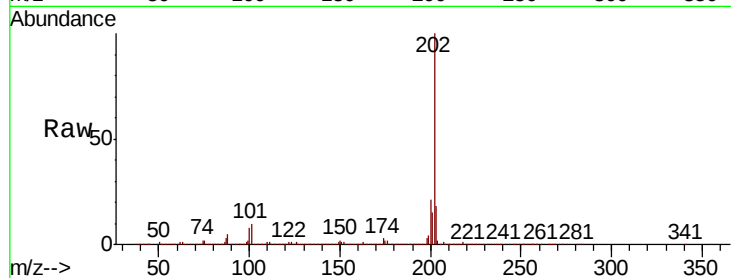
ClientSampleId :

JLM51DL

Tot Ion:	202	Resp:	2563603
Ion	Ratio	Lower	Upper
202	100		
101	10.5	8.6	12.8
100	8.0	6.4	9.6

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#80

Pyrene

Concen: 56.125 ng/ul

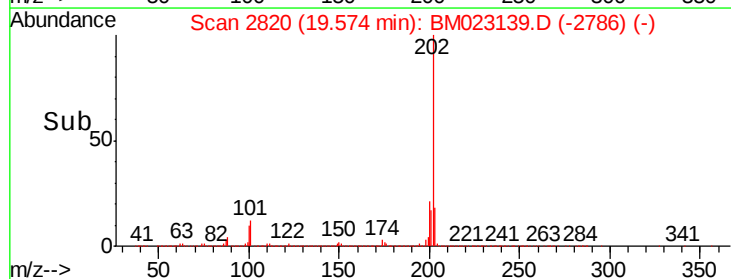
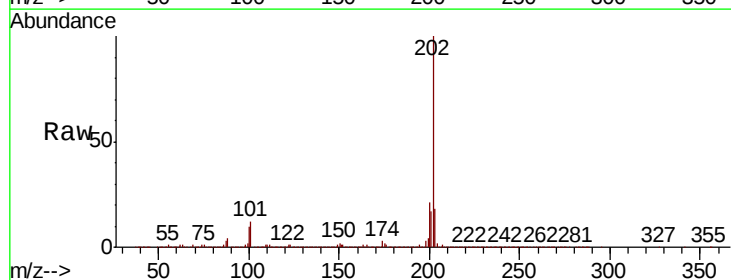
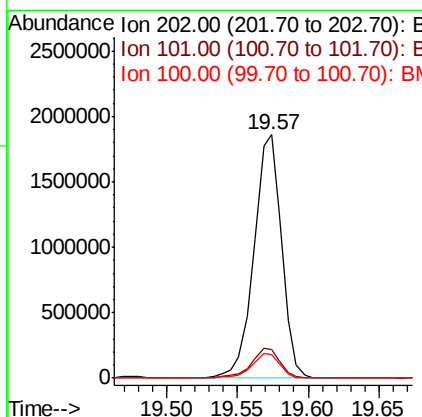
RT: 19.57 min Scan# 2820

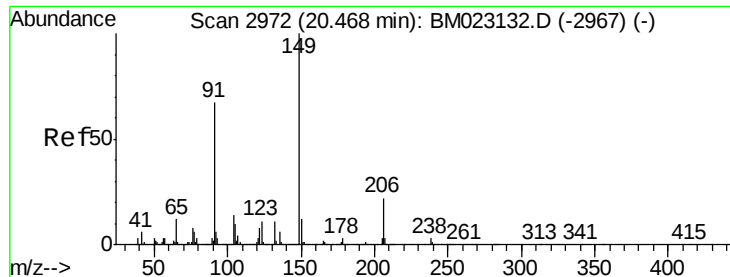
Delta R.T. 0.00 min

Lab File: BM023139.D

Acq: 11 Oct 2019 20:44

Tgt Ion:	202	Resp:	2556338
Ion	Ratio	Lower	Upper
202	100		
101	12.0	9.7	14.5
100	9.8	7.8	11.8





#81

Butylbenzylphthalate

Concen: 1.200 ng/ul

RT: 20.47 min Scan# 2972

Delta R.T. -0.01 min

Lab File: BM023139.D

Acq: 11 Oct 2019 20:44

Instrument :

BNA_M

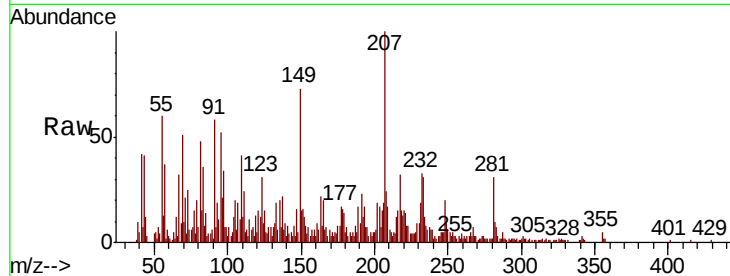
ClientSampleId :

JLM51DL

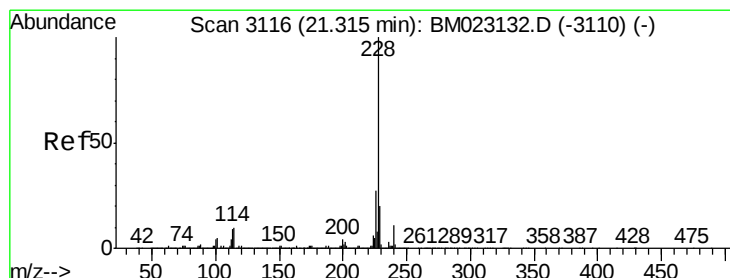
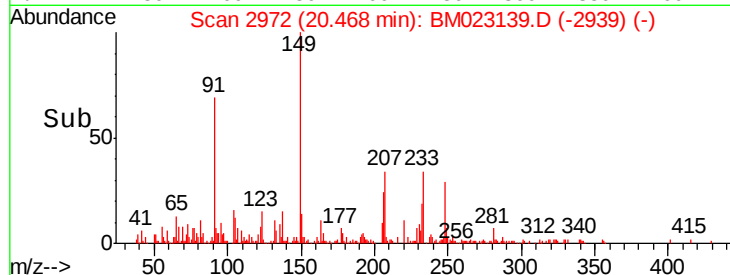
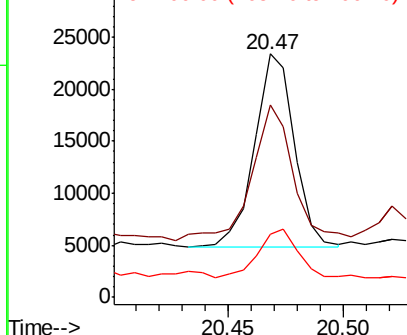
Tot Ion:	149	Resp:	22470
Ion Ratio	Lower	Upper	
149	100		
91	79.1	52.6	78.8#
206	26.2	17.7	26.5

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BM
Ion 206.00 (205.70 to 206.70): E



#83

Benzo(a)anthracene

Concen: 22.199 ng/ul

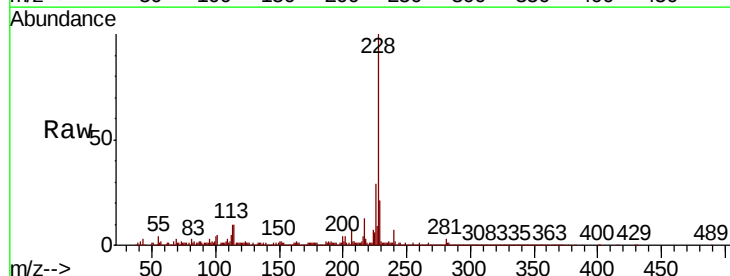
RT: 21.32 min Scan# 3116

Delta R.T. -0.01 min

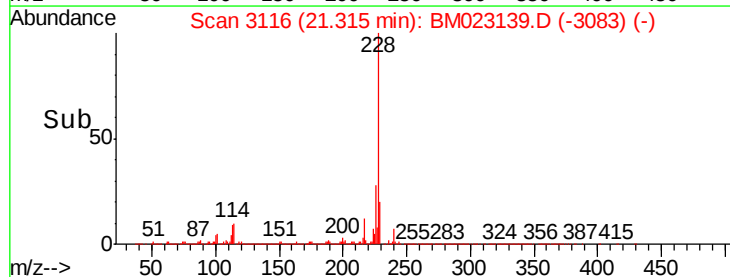
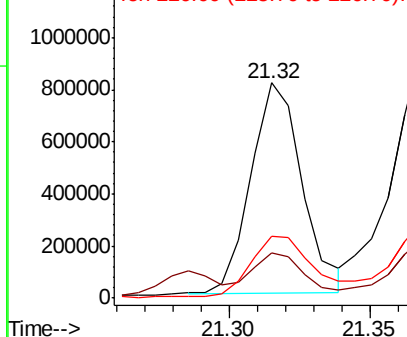
Lab File: BM023139.D

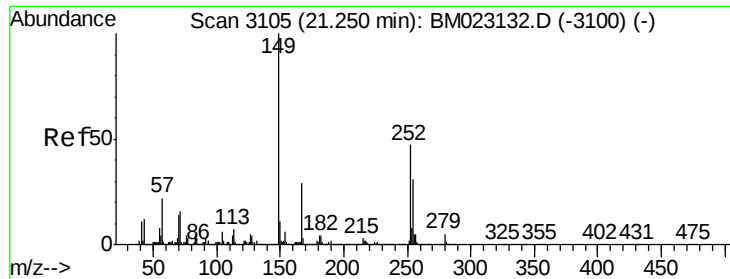
Acq: 11 Oct 2019 20:44

Tgt Ion:	228	Resp:	1024056
Ion Ratio	Lower	Upper	
228	100		
229	21.1	15.8	23.8
226	28.9	22.4	33.6



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





#84

Bis(2-ethylhexyl)phthalate

Concen: 1.580 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. -0.01 min

Lab File: BM023139.D

Acq: 11 Oct 2019 20:44

Instrument :

BNA_M

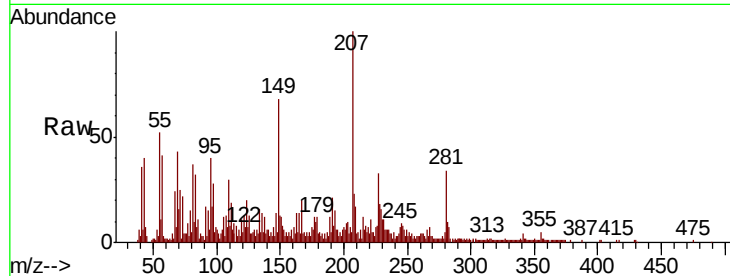
ClientSampleId :

JLM51DL

Tot Ion:	149	Resp:	42052
Ion Ratio	Lower	Upper	
149	100		
167	29.6	22.1	33.1
279	7.4	3.3	4.9#

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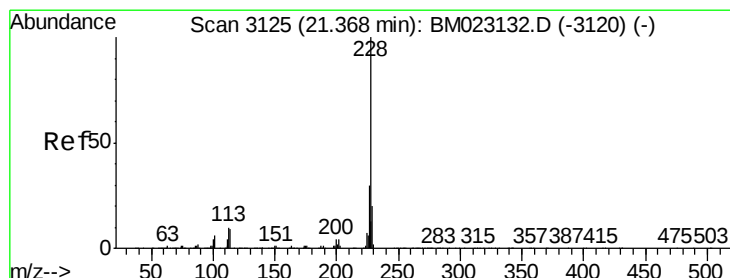
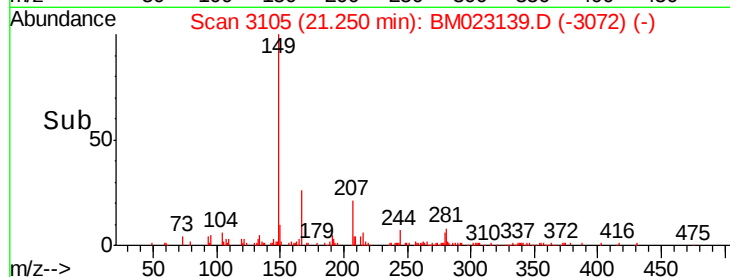
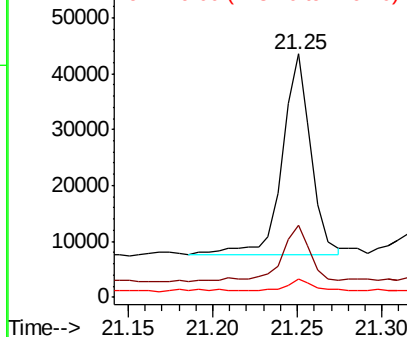


Abundance

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



#85

Chrysene

Concen: 30.258 ng/ul

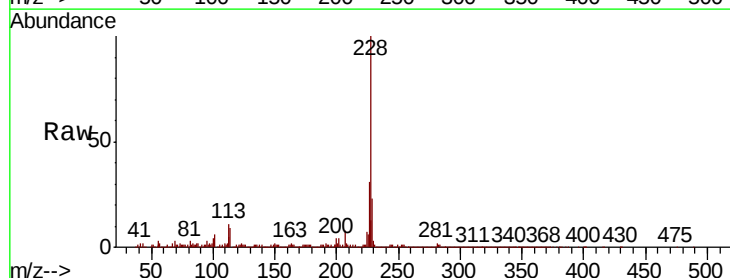
RT: 21.37 min Scan# 3125

Delta R.T. -0.01 min

Lab File: BM023139.D

Acq: 11 Oct 2019 20:44

Tgt Ion:	228	Resp:	1286933
Ion Ratio	Lower	Upper	
228	100		
226	30.6	24.2	36.4
229	23.2	15.9	23.9

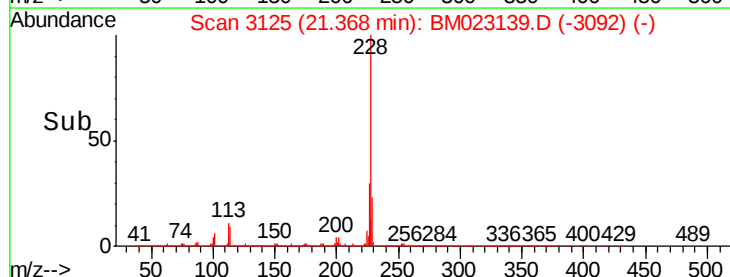
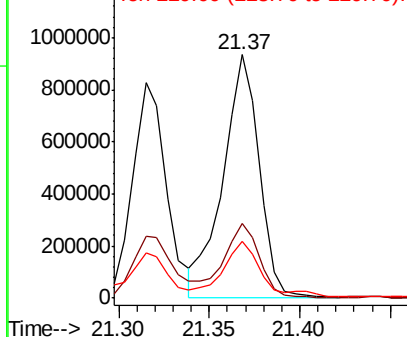


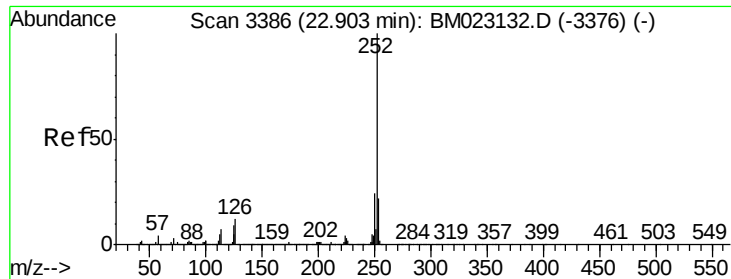
Abundance

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





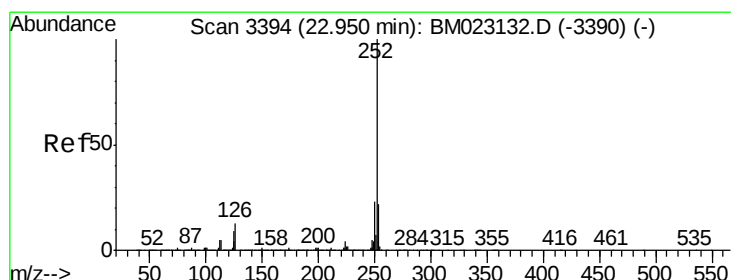
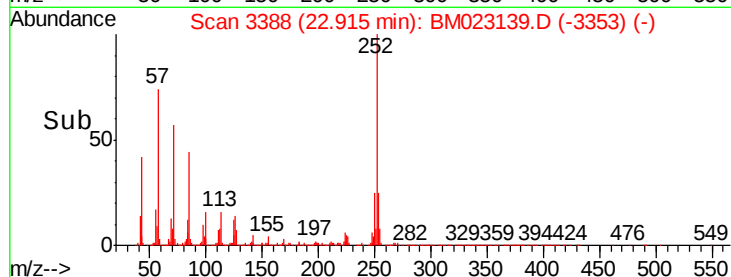
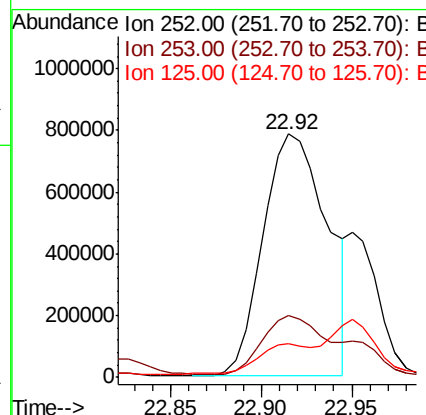
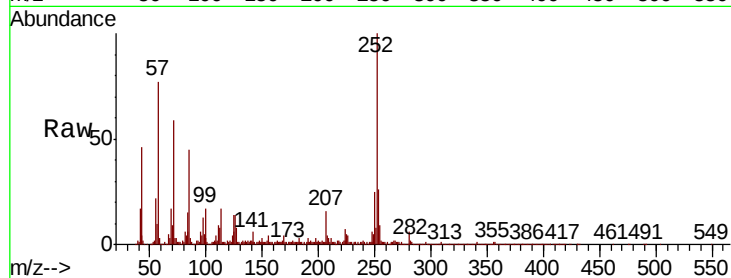
#88
Benzo(b)fluoranthene
Concen: 37.377 ng/ul
RT: 22.92 min Scan# 3388
Delta R.T. 0.01 min
Lab File: BM023139.D
Acq: 11 Oct 2019 20:44

Instrument :
BNA_M
ClientSampleId :
JLM51DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.7	26.5
125	13.7	8.2	12.2

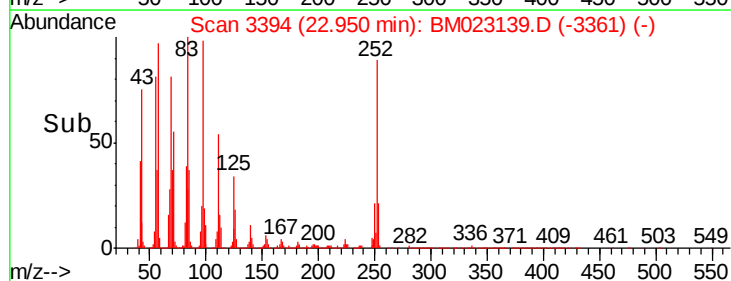
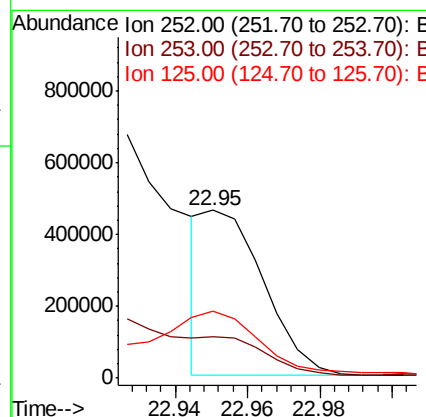
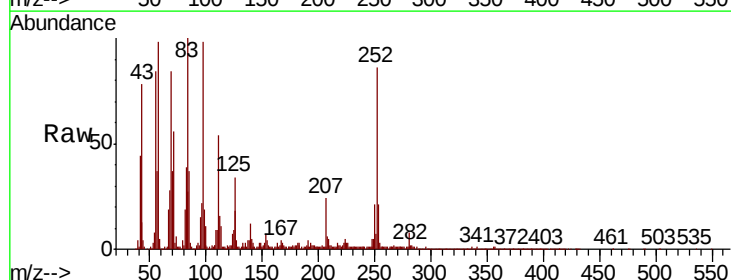
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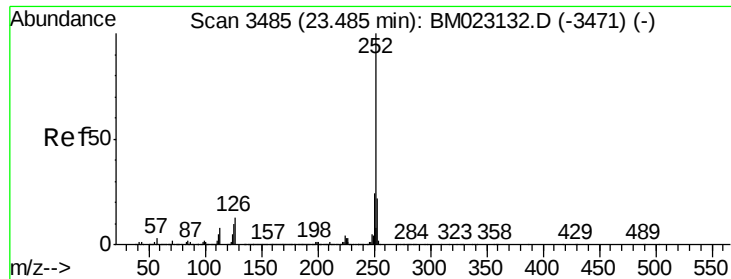
mohammad
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#89
Benzo(k)fluoranthene
Concen: 10.627 ng/ul m
RT: 22.95 min Scan# 3394
Delta R.T. -0.01 min
Lab File: BM023139.D
Acq: 11 Oct 2019 20:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.5	26.3
125	40.1	7.9	11.9





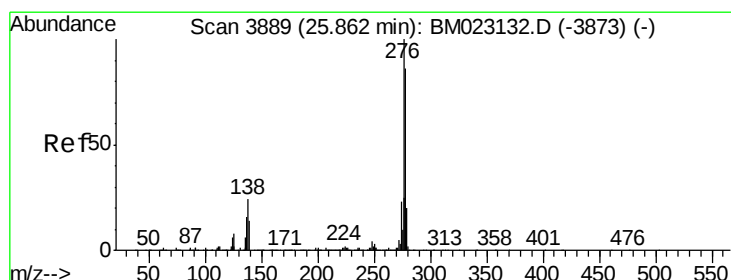
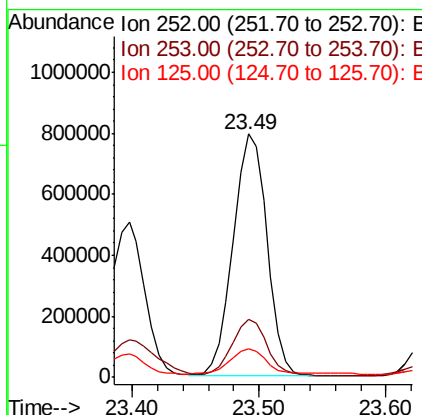
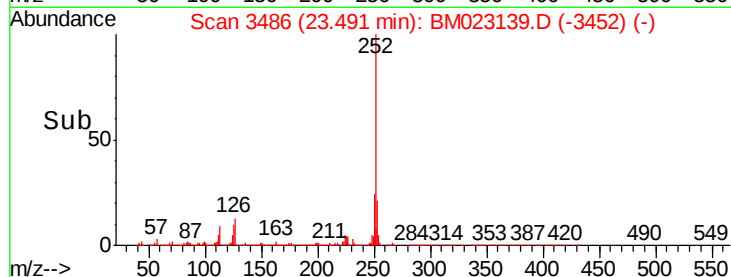
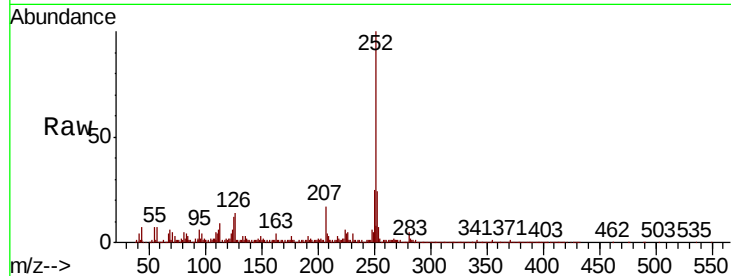
#91
Benzo(a)pyrene
Concen: 30.262 ng/ul
RT: 23.49 min Scan# 3486
Delta R.T. 0.00 min
Lab File: BM023139.D
Acq: 11 Oct 2019 20:44

Instrument :
BNA_M
ClientSampleId :
JLM51DL

Tot Ion:252 Resp: 1471673
Ion Ratio Lower Upper
252 100
253 23.7 17.6 26.4
125 11.6 8.7 13.1

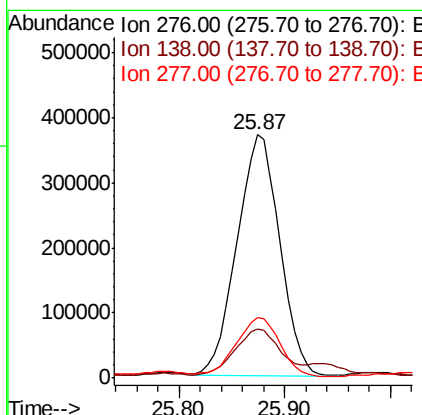
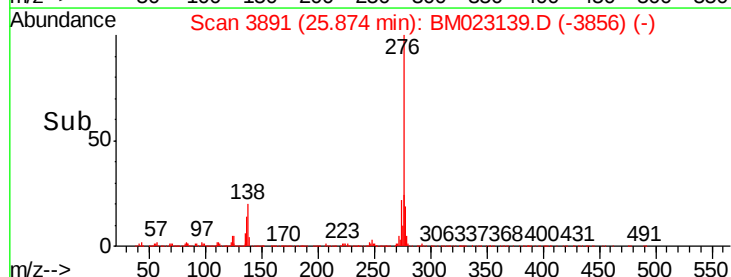
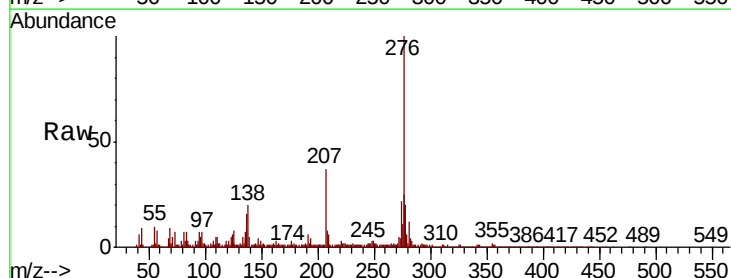
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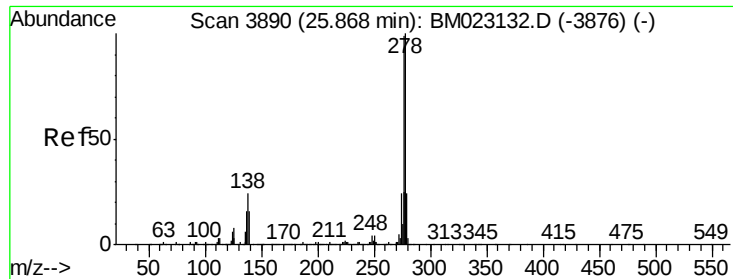
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#92
Indeno(1,2,3-cd)pyrene
Concen: 20.157 ng/ul
RT: 25.87 min Scan# 3891
Delta R.T. 0.01 min
Lab File: BM023139.D
Acq: 11 Oct 2019 20:44

Tgt Ion:276 Resp: 1041191
Ion Ratio Lower Upper
276 100
138 20.3 19.8 29.8
277 25.1 20.3 30.5





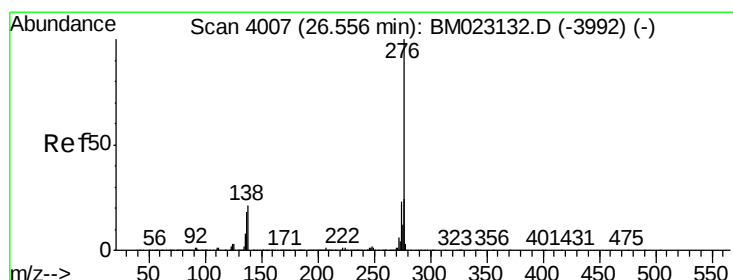
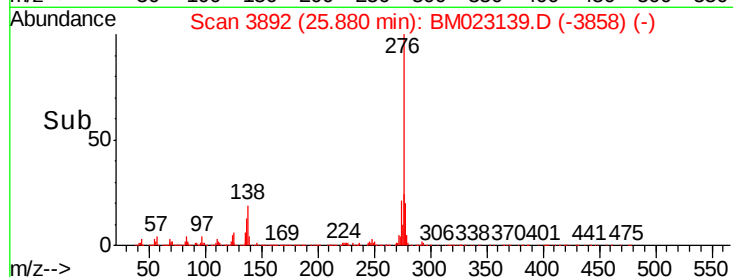
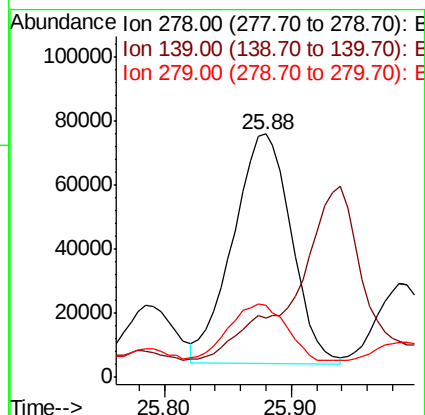
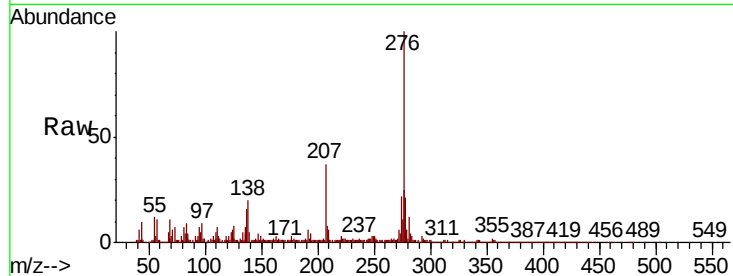
#93
Dibenzo(a,h)anthracene
Concen: 5.296 ng/ul
RT: 25.88 min Scan# 3892
Delta R.T. 0.00 min
Lab File: BM023139.D
Acq: 11 Oct 2019 20:44

Instrument :
BNA_M
ClientSampleId :
JLM51DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	24.3	13.2	19.8#
279	29.6	19.0	28.6#

Manual Integrations
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#94
Benzo(g,h,i)perylene
Concen: 24.654 ng/ul
RT: 26.59 min Scan# 4012
Delta R.T. 0.02 min
Lab File: BM023139.D
Acq: 11 Oct 2019 20:44

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.4	17.6	26.4
277	24.4	19.1	28.7

