

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
 Data File : BM022276.D
 Acq On : 24 Aug 2019 03:31
 Operator : HP/JU
 Sample : K4242-02 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AG7

Manual Integrations
 APPROVED

Jagrut
 8/27/2019 4:28:40 AM

Quant Time: Aug 26 11:02:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 24 05:49:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	35767	20.00	ng/ul	0.00
18) Naphthalene-d8	10.33	136	154906	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.21	164	106089	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.98	188	253380	20.00	ng/ul	0.00
77) Chrysene-d12	21.19	240	413101	20.00	ng/ul	0.01
85) Perylene-d12	23.39	264	245685	20.00	ng/ul	0.01

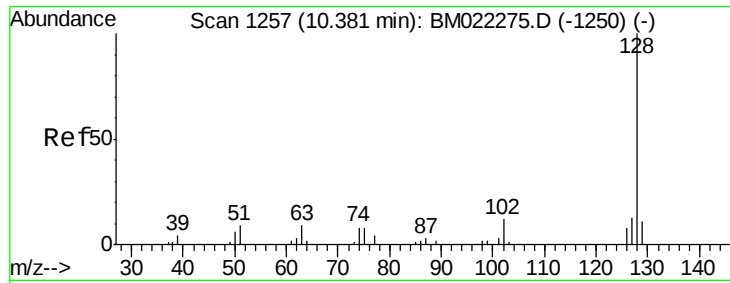
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	448	0.56	ng/uL	0.01
5) Phenol-d5	6.76	99	13797	4.47	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.92	67	8614	4.80	ng/ul	0.00
9) 2-Chlorophenol-d4	7.10	132	12231	4.91	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	11648	4.35	ng/ul	0.01
19) Nitrobenzene-d5	8.74	128	5443	4.71	ng/ul	0.01
22) 2-Nitrophenol-d4	9.45	143	5414	4.03	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	12079	4.41	ng/ul	0.02
29) 4-Chloroaniline-d4	10.52	131	11511	3.46	ng/ul	0.02
43) Dimethylphthalate-d6	13.64	166	48777	5.22	ng/ul	0.00
46) Acenaphthylene-d8	13.90	160	49335	4.90	ng/ul	0.00
51) 4-Nitrophenol-d4	14.51	143	2918	2.11	ng/ul	0.04
57) Fluorene-d10	15.22	176	41514	5.36	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.40	200	4151	2.12	ng/ul	0.02
70) Anthracene-d10	17.08	188	76536	5.70	ng/ul	0.00
78) Pyrene-d10	19.39	212	122447	5.70	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.25	264	70050	5.19	ng/ul	0.02

Target Compounds

					Ovalue	
28) Naphthalene	10.38	128	113035	13.222	ng/ul	99
34) 2-Methylnaphthalene	12.01	142	30353	4.608	ng/ul	97
40) 1,1'-Biphenyl	13.04	154	12237	1.417	ng/ul	97
44) Dimethylphthalate	13.69	163	12760	1.342	ng/ul	97
49) Acenaphthene	14.28	153	267034	36.044	ng/ul	99
53) Dibenzofuran	14.62	168	167146	15.148	ng/ul	100
58) Fluorene	15.27	166	262277	28.221	ng/ul	99
69) Phenanthrene	17.04	178	11479421	757.299	ng/ul	96
71) Anthracene	17.12	178	1589710	100.781	ng/ul	100
74) Carbazole	17.40	167	580463	40.742	ng/ul	100
76) Fluoranthene	19.07	202	16616074	727.409	ng/ul	99
79) Pyrene	19.44	202	15584811	582.860	ng/ul	98
82) Benzo(a)anthracene	21.19	228	5920245	190.412	ng/ul	97
84) Chrysene	21.24	228	5007795m	172.260	ng/ul	
87) Benzo(b)fluoranthene	22.75	252	4381305	256.358	ng/ul#	96
88) Benzo(k)fluoranthene	22.78	252	1588483	95.845	ng/ul#	98
90) Benzo(a)pyrene	23.31	252	3302418m	202.723	ng/ul	
91) Indeno(1,2,3-cd)pyrene	25.60	276	1607486	84.978	ng/ul#	95
92) Dibenzo(a,h)anthracene	25.59	278	418696	26.072	ng/ul#	88
93) Benzo(g,h,i)perylene	26.27	276	1140692	79.045	ng/ul	96

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



#28

Naphthalene

Concen: 13.222 ng/ul

RT: 10.38 min Scan# 1257

Delta R.T. -0.00 min

Lab File: BM022276.D

Acq: 24 Aug 2019 03:31

Instrument :

BNA_M

ClientSampleId :

C0AG7

Tot Ion:128 Resp: 113035

Ion Ratio Lower Upper

128 100

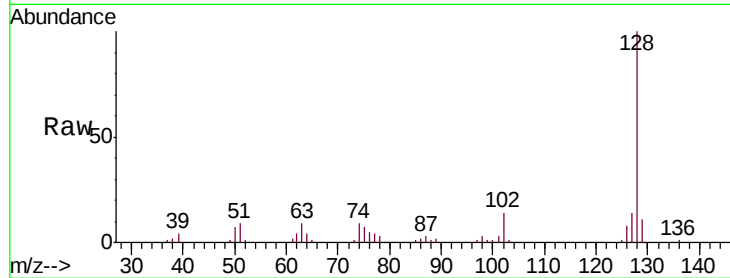
129 10.8 8.6 13.0

127 13.7 10.4 15.6

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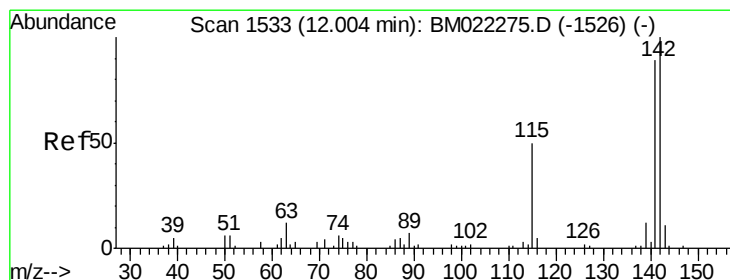
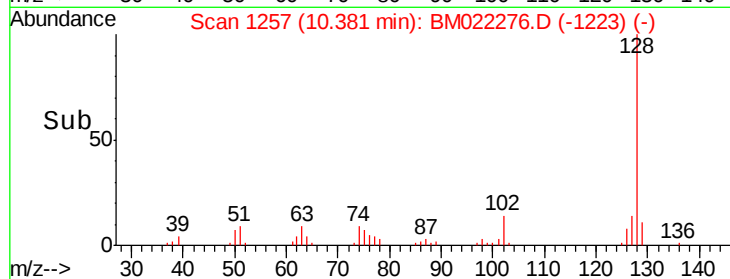
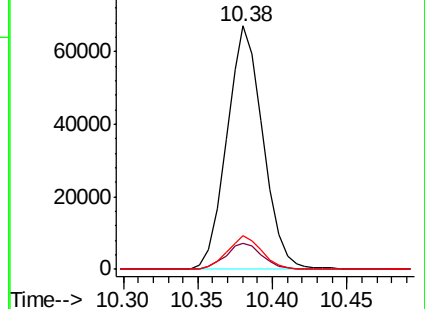
8/27/2019 4:28:40 AM



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



#34

2-Methylnaphthalene

Concen: 4.608 ng/ul

RT: 12.01 min Scan# 1534

Delta R.T. 0.01 min

Lab File: BM022276.D

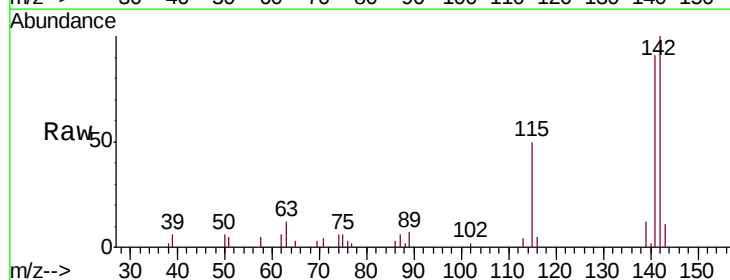
Acq: 24 Aug 2019 03:31

Tgt Ion:142 Resp: 30353

Ion Ratio Lower Upper

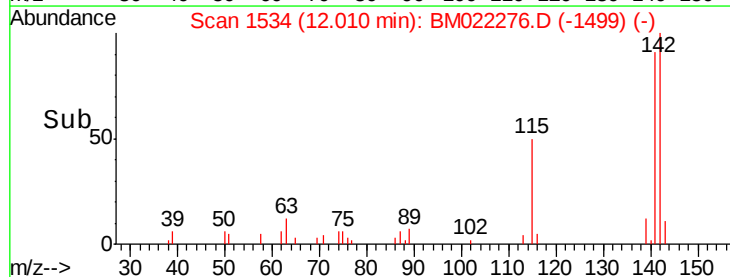
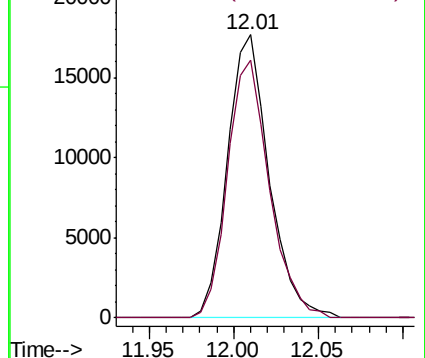
142 100

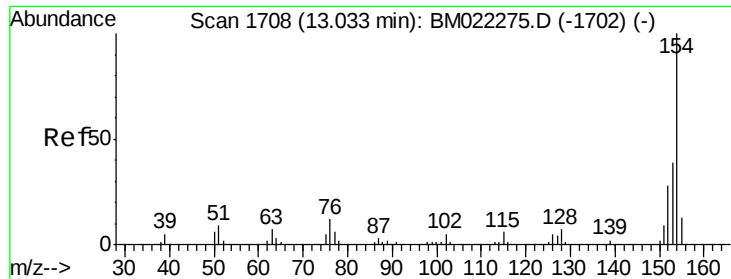
141 91.3 75.1 112.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





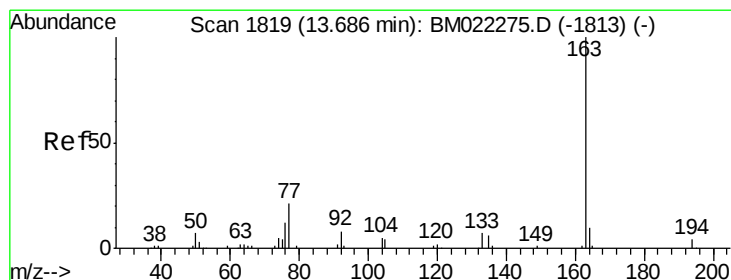
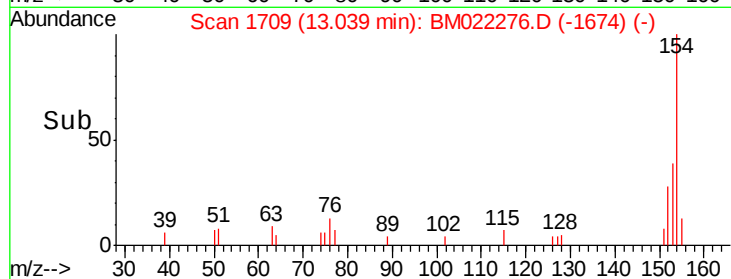
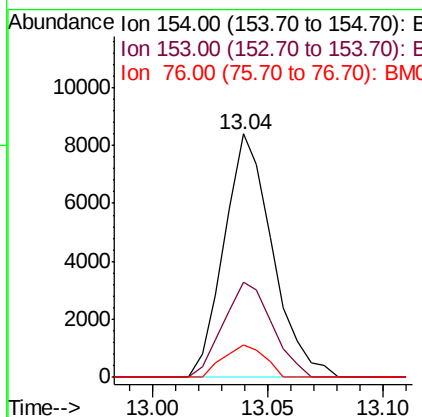
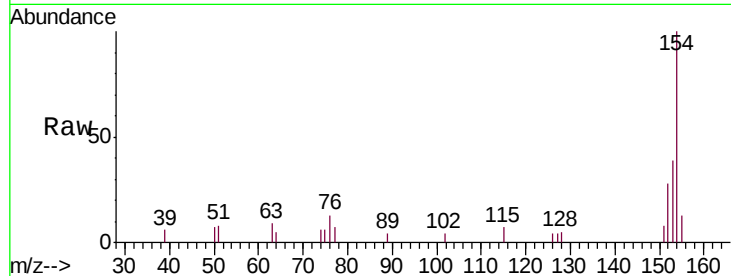
#40
 1,1'-Biphenyl
 Concen: 1.417 ng/ul
 RT: 13.04 min Scan# 1709
 Delta R.T. 0.01 min
 Lab File: BM022276.D
 Acq: 24 Aug 2019 03:31

Instrument :
 BNA_M
 ClientSampled :
 C0AG7

Tot Ion	Ratio	Lower	Upper
154	100		
153	39.2	32.5	48.7
76	13.1	9.2	13.8

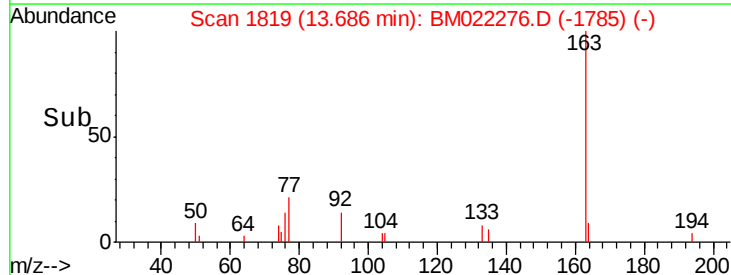
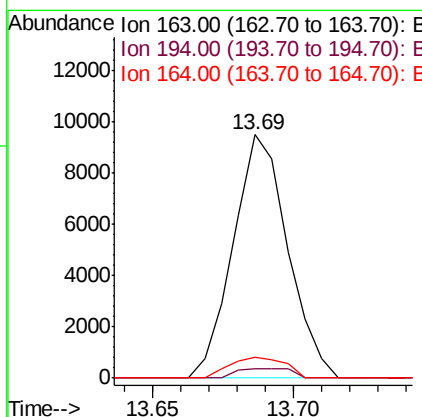
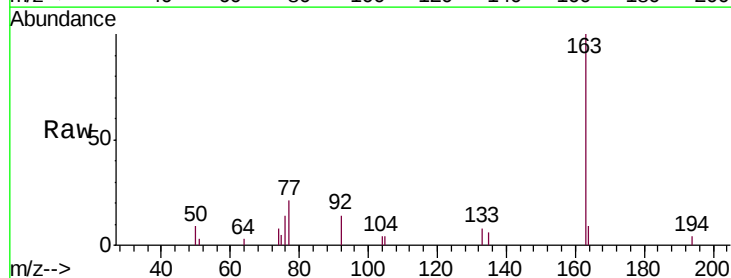
Manual Integrations
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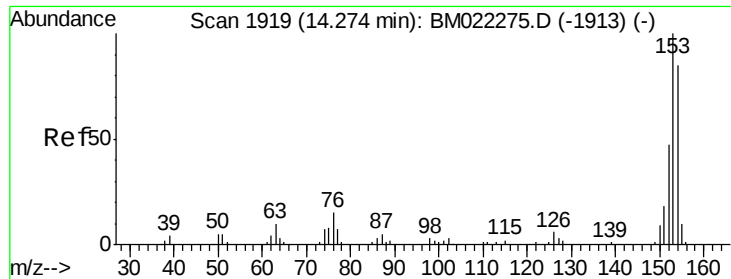
Jagrut
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#44
 Dimethylphthalate
 Concen: 1.342 ng/ul
 RT: 13.69 min Scan# 1819
 Delta R.T. -0.00 min
 Lab File: BM022276.D
 Acq: 24 Aug 2019 03:31

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.6
164	8.5	7.8	11.8





#49

Acenaphthene

Concen: 36.044 ng/ul

RT: 14.28 min Scan# 1920

Delta R.T. 0.01 min

Lab File: BM022276.D

Acq: 24 Aug 2019 03:31

Instrument :

BNA_M

ClientSampled :

C0AG7

Tot Ion:153 Resp: 267034

Ion Ratio Lower Upper

153 100

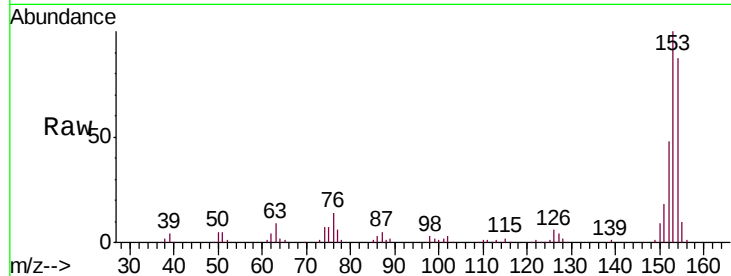
152 47.8 38.6 58.0

154 86.9 68.9 103.3

Manual Integrations
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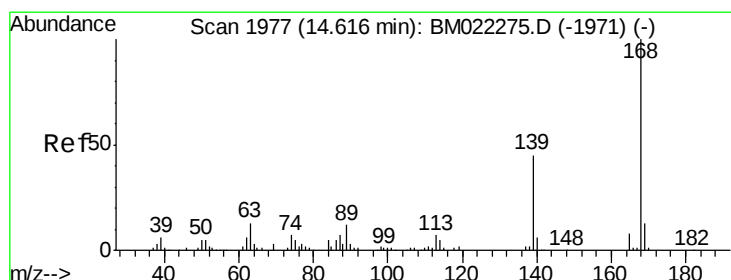
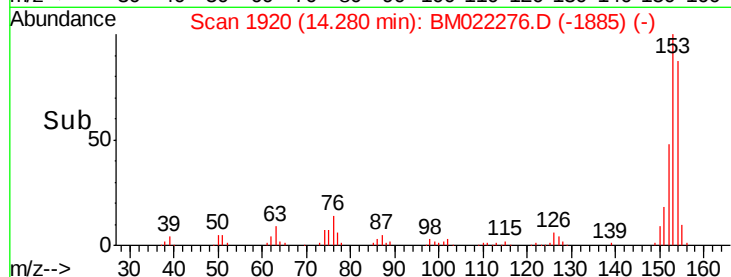
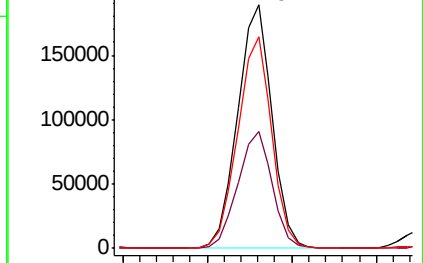
8/27/2019 4:28:40 AM



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: 15.148 ng/ul

RT: 14.62 min Scan# 1977

Delta R.T. -0.00 min

Lab File: BM022276.D

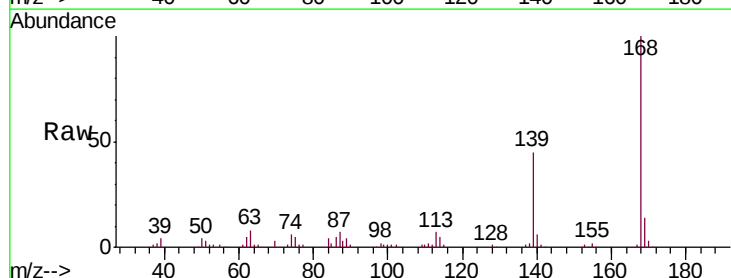
Acq: 24 Aug 2019 03:31

Tgt Ion:168 Resp: 167146

Ion Ratio Lower Upper

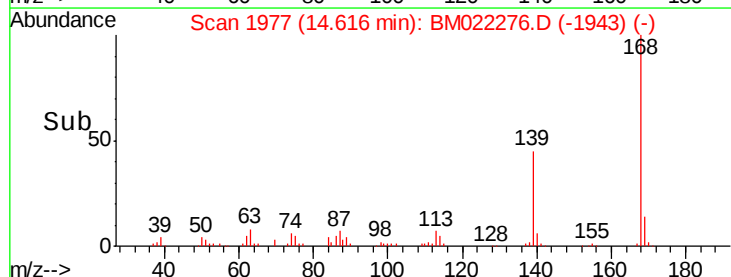
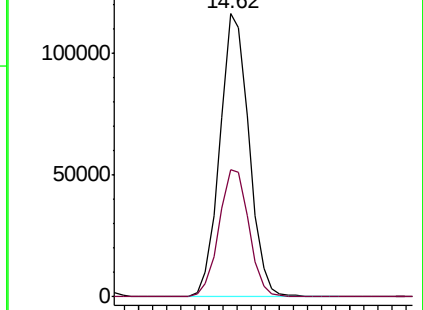
168 100

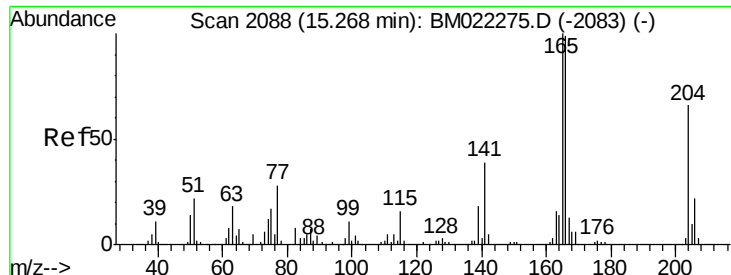
139 45.0 36.2 54.4



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





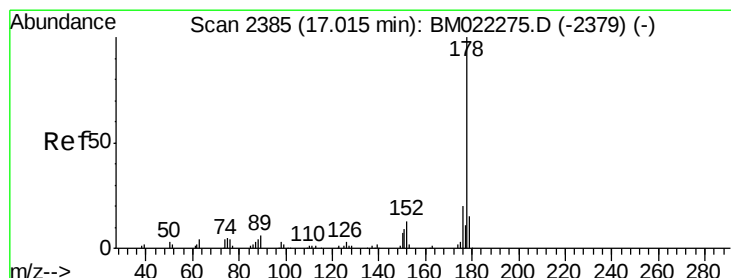
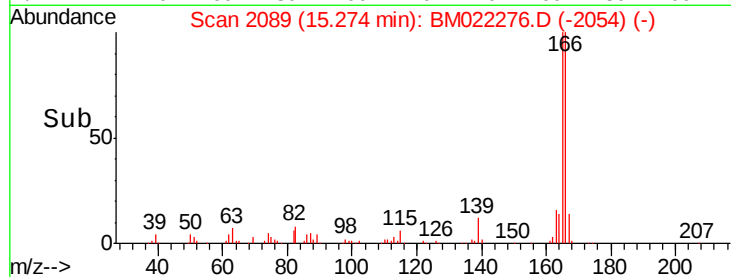
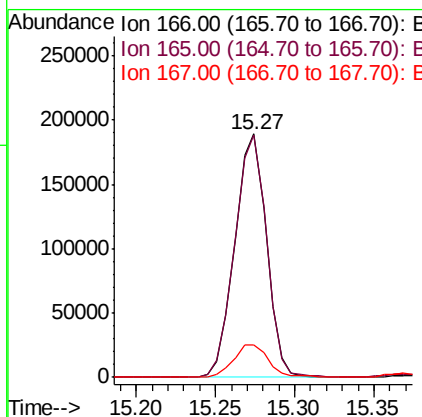
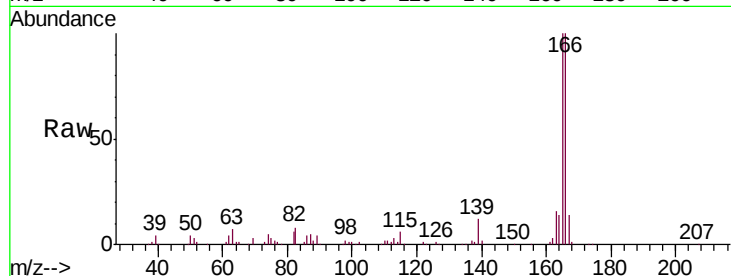
#58
 Fluorene
 Concen: 28.221 ng/ul
 RT: 15.27 min Scan# 2089
 Delta R.T. 0.01 min
 Lab File: BM022276.D
 Acq: 24 Aug 2019 03:31

Instrument :
 BNA_M
 ClientSampled :
 C0AG7

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.8	80.2	120.2
167	13.5	11.4	17.0

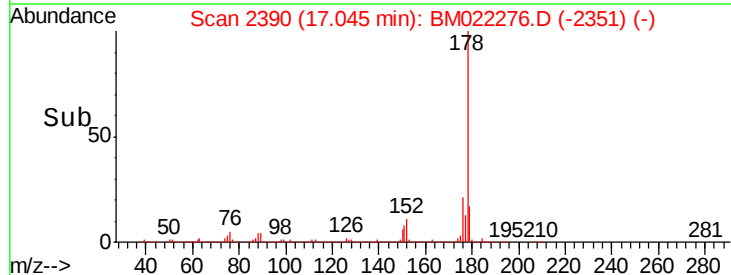
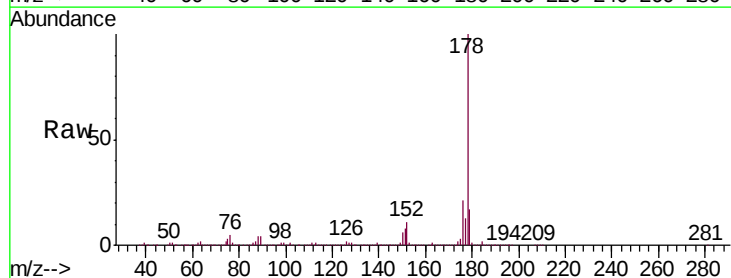
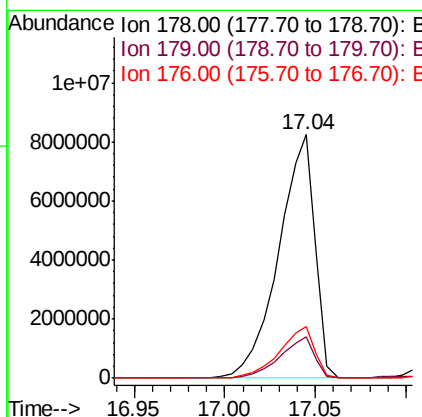
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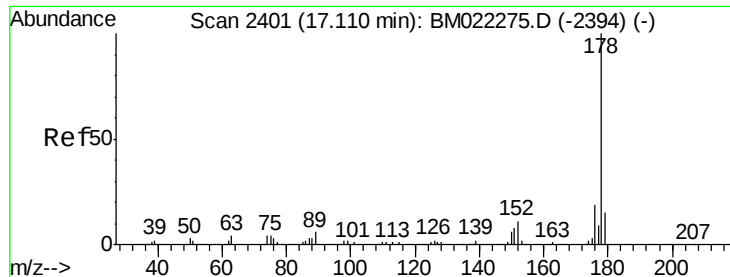
Jagrut
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#69
 Phenanthrene
 Concen: 757.299 ng/ul
 RT: 17.04 min Scan# 2390
 Delta R.T. 0.03 min
 Lab File: BM022276.D
 Acq: 24 Aug 2019 03:31

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.8	12.4	18.6
176	21.3	15.4	23.0





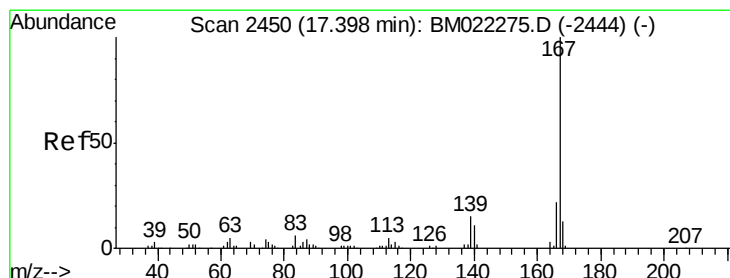
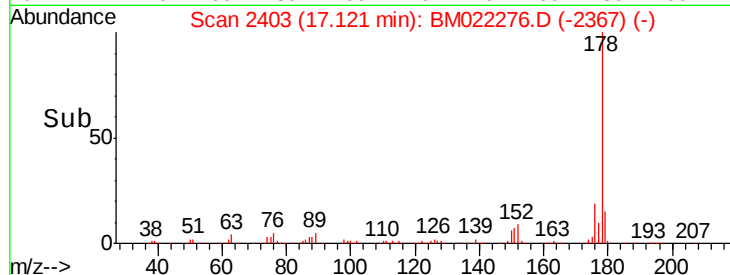
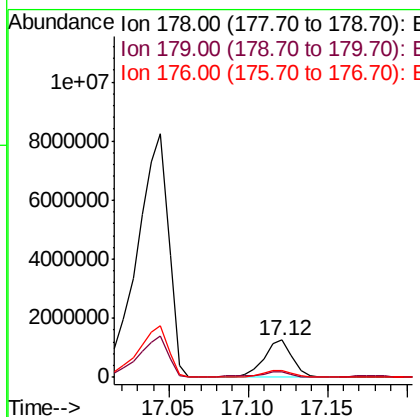
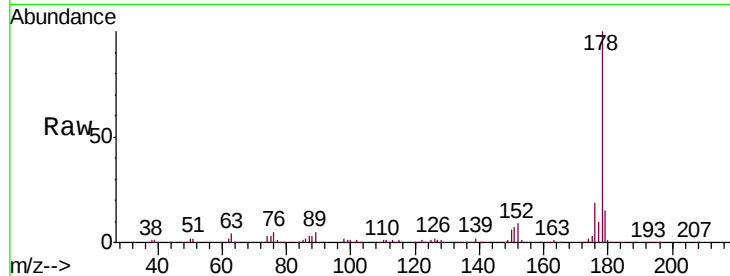
#71
 Anthracene
 Concen: 100.781 ng/ul
 RT: 17.12 min Scan# 2403
 Delta R.T. 0.01 min
 Lab File: BM022276.D
 Acq: 24 Aug 2019 03:31

Instrument :
 BNA_M
 ClientSampleId :
 C0AG7

Tot Ion:178 Resp: 1589710
 Ion Ratio Lower Upper
 178 100
 179 15.2 12.3 18.5
 176 19.3 15.5 23.3

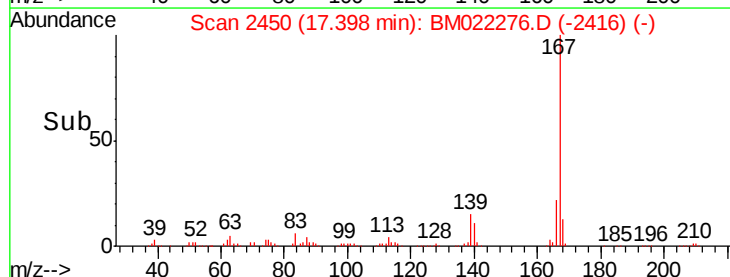
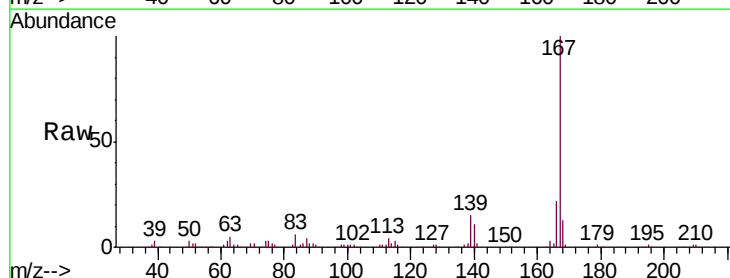
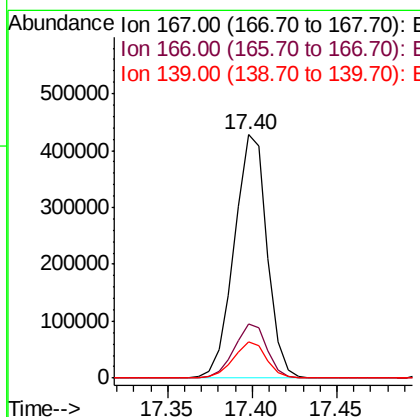
Manual Integrations
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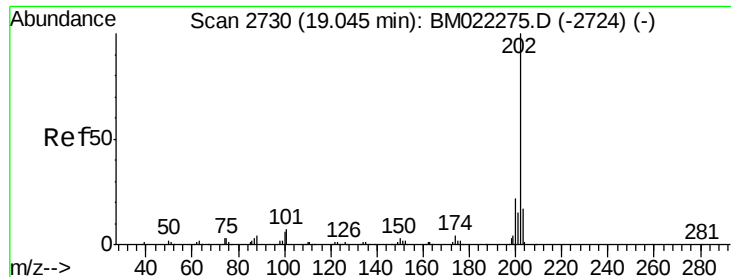
Jagrut
 8/27/2019 4:28:40 AM



#74
 Carbazole
 Concen: 40.742 ng/ul
 RT: 17.40 min Scan# 2450
 Delta R.T. -0.00 min
 Lab File: BM022276.D
 Acq: 24 Aug 2019 03:31

Tgt Ion:167 Resp: 580463
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.8 26.8
 139 14.8 11.8 17.8





#76

Fluoranthene

Concen: 727.409 ng/ul

RT: 19.07 min Scan# 2734

Delta R.T. 0.02 min

Lab File: BM022276.D

Acq: 24 Aug 2019 03:31

Instrument :

BNA_M

ClientSampleId :

C0AG7

Tot Ion:202 Resp:16616074

Ion Ratio Lower Upper

202 100

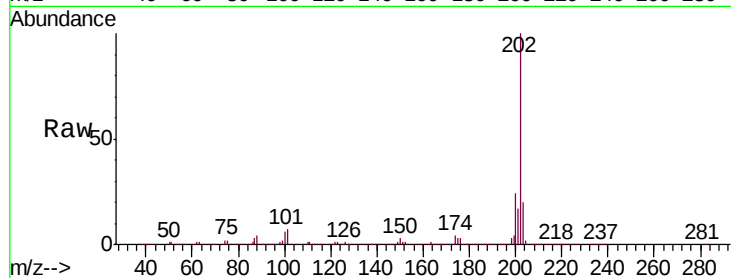
101 7.1 5.3 7.9

100 5.6 4.6 6.8

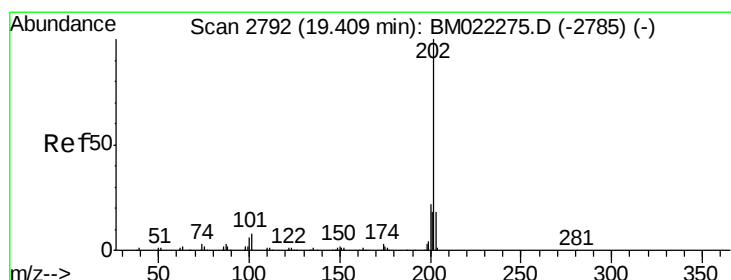
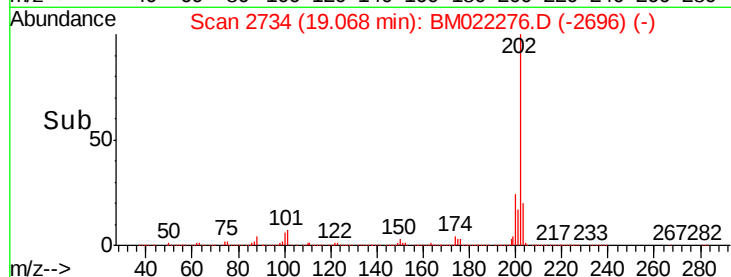
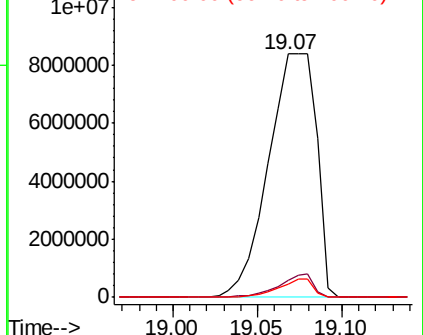
Manual Integrations
APPROVED

Jagrut

8/27/2019 4:28:40 AM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



#79

Pyrene

Concen: 582.860 ng/ul

RT: 19.44 min Scan# 2797

Delta R.T. 0.03 min

Lab File: BM022276.D

Acq: 24 Aug 2019 03:31

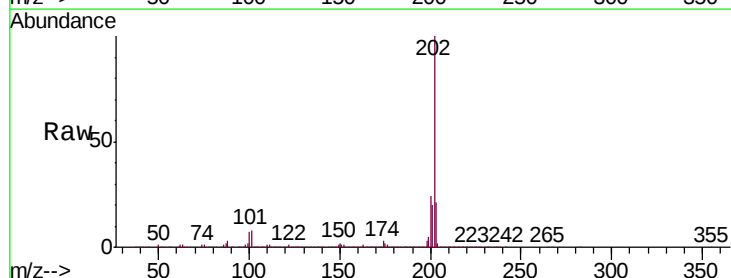
Tgt Ion:202 Resp:15584811

Ion Ratio Lower Upper

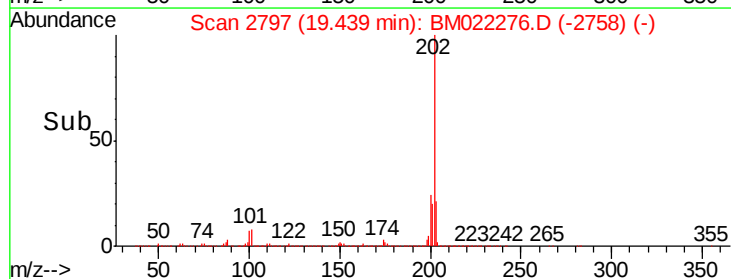
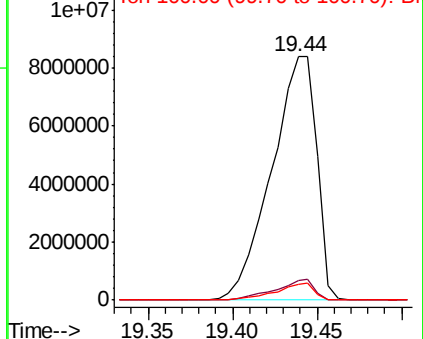
202 100

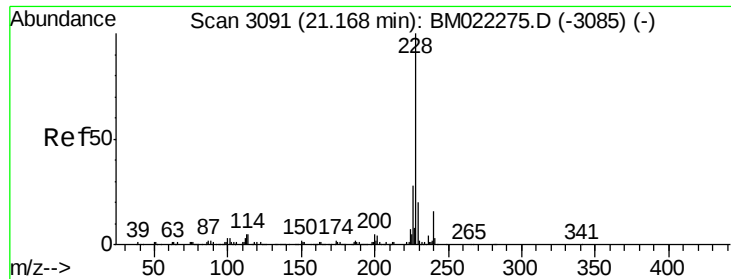
101 8.0 7.0 10.4

100 6.7 5.8 8.8



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B





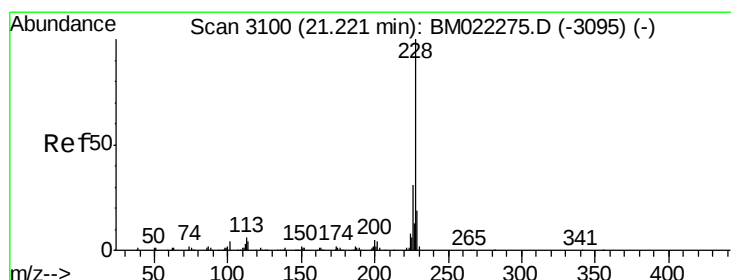
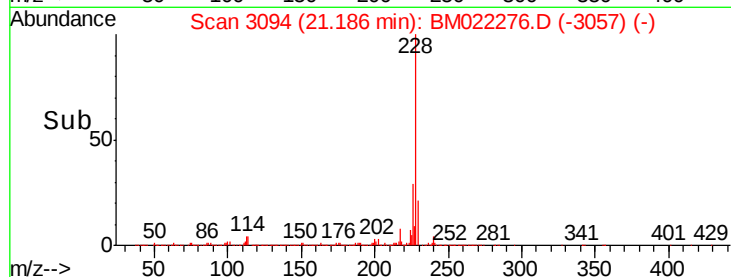
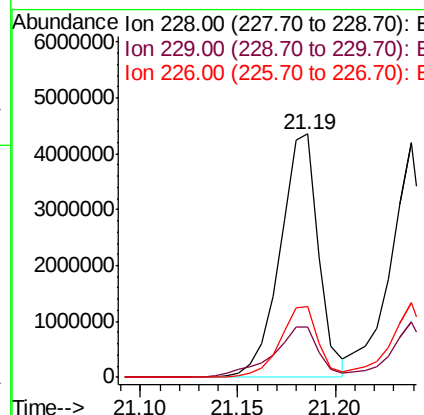
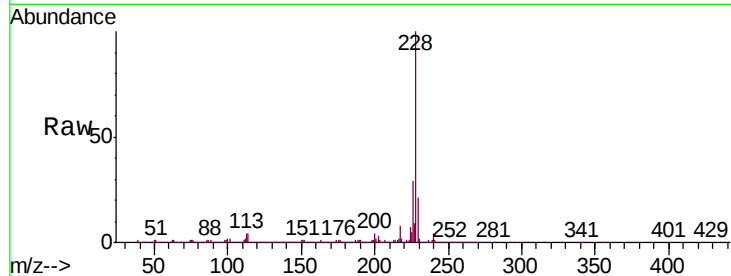
#82
Benzo(a)anthracene
Concen: 190.412 ng/ul
RT: 21.19 min Scan# 3094
Delta R.T. 0.02 min
Lab File: BM022276.D
Acq: 24 Aug 2019 03:31

Instrument :
BNA_M
ClientSampled :
C0AG7

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.2	22.8
226	29.0	22.3	33.5

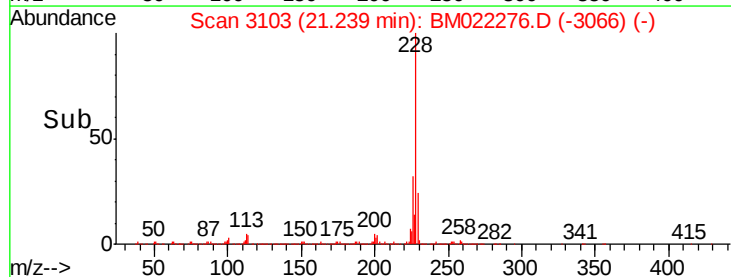
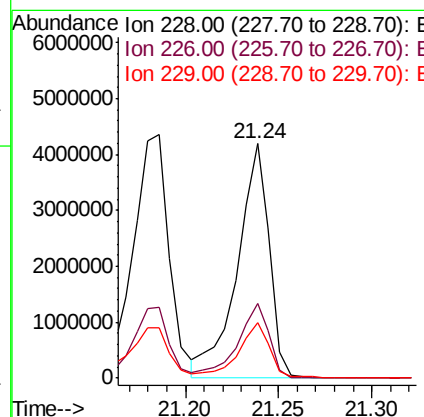
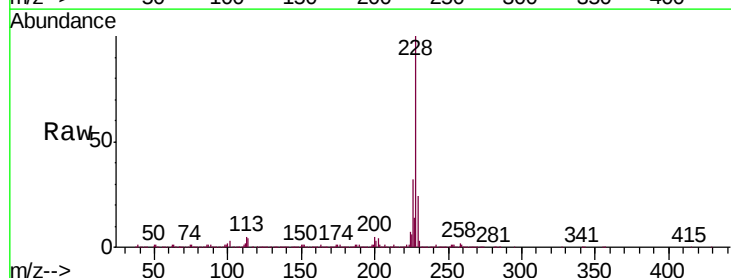
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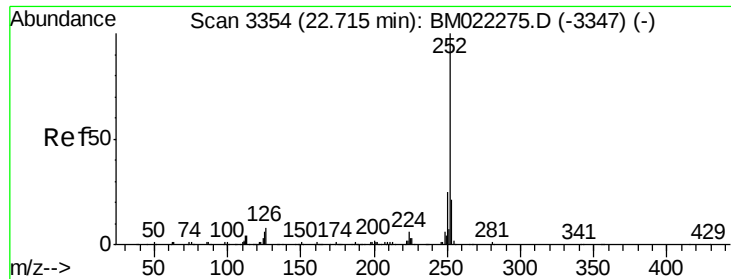
Jagrut
8/27/2019 4:28:40 AM



#84
Chrysene
Concen: 172.260 ng/ul m
RT: 21.24 min Scan# 3103
Delta R.T. 0.02 min
Lab File: BM022276.D
Acq: 24 Aug 2019 03:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	24.7	37.1
229	23.6	15.7	23.5#





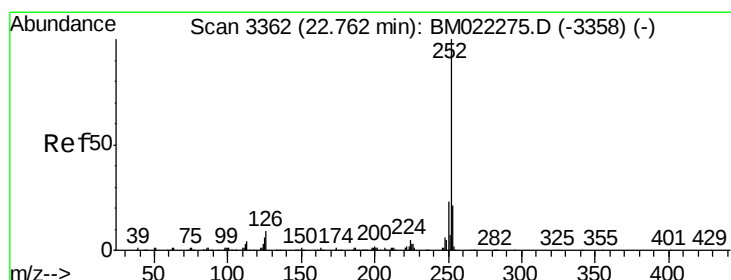
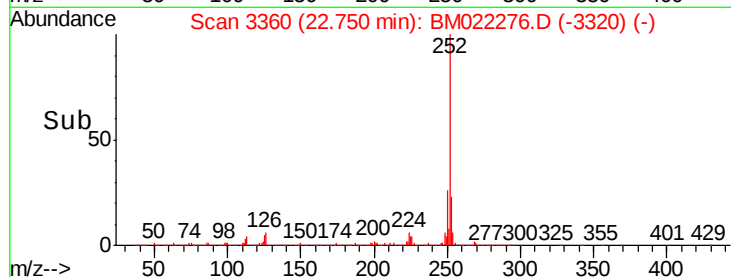
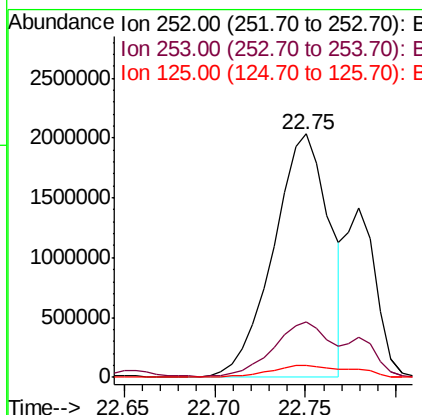
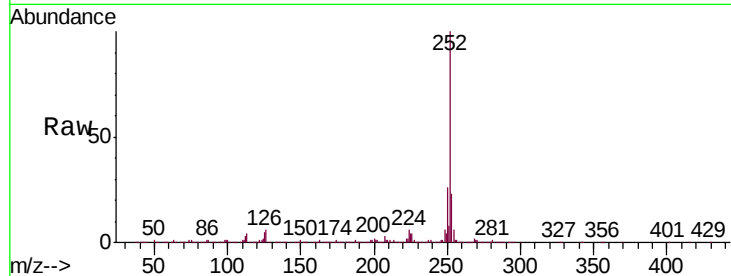
#87
Benzo(b)fluoranthene
Concen: 256.358 ng/ul
RT: 22.75 min Scan# 3360
Delta R.T. 0.04 min
Lab File: BM022276.D
Acq: 24 Aug 2019 03:31

Instrument :
BNA_M
ClientSampled :
C0AG7

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	5.0	5.2	7.8

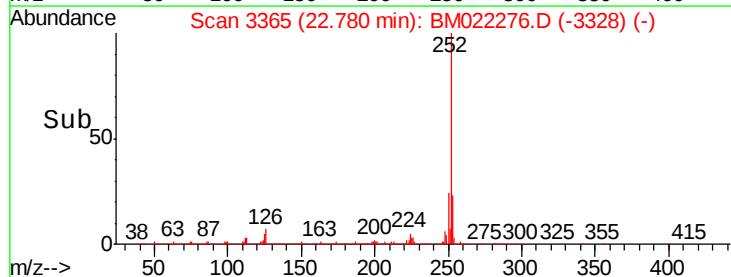
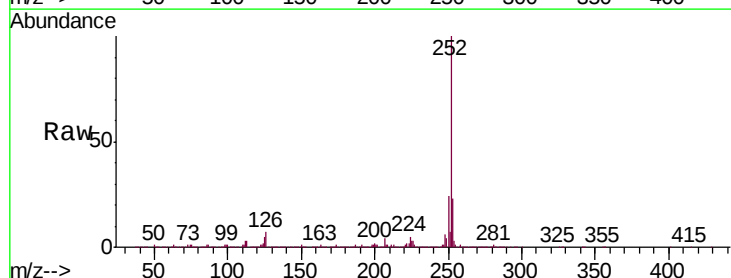
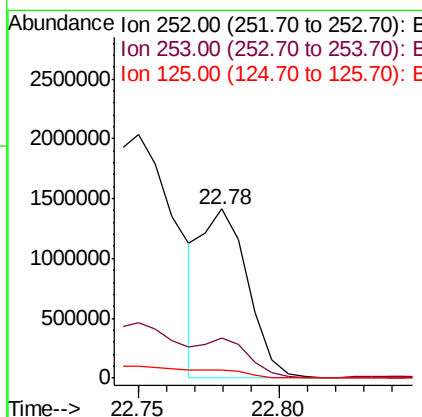
Manual Integrations
APPROVED

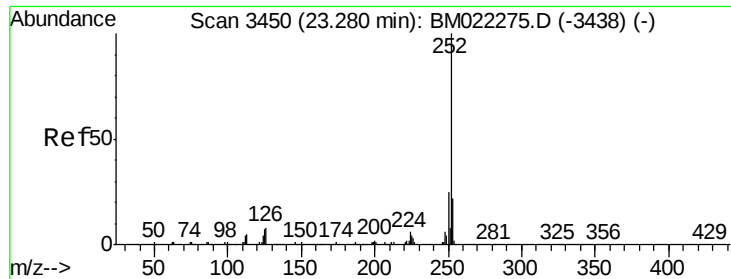
Jagrut
8/27/2019 4:28:40 AM



#88
Benzo(k)fluoranthene
Concen: 95.845 ng/ul
RT: 22.78 min Scan# 3365
Delta R.T. 0.02 min
Lab File: BM022276.D
Acq: 24 Aug 2019 03:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	4.8	5.1	7.7





#90

Benzo(a)pyrene

Concen: 202.723 ng/ul m

RT: 23.31 min Scan# 3455

Delta R.T. 0.03 min

Lab File: BM022276.D

Acq: 24 Aug 2019 03:31

Instrument :

BNA_M

ClientSampleId :

C0AG7

Tot Ion:252 Resp: 3302418

Ion Ratio Lower Upper

252 100

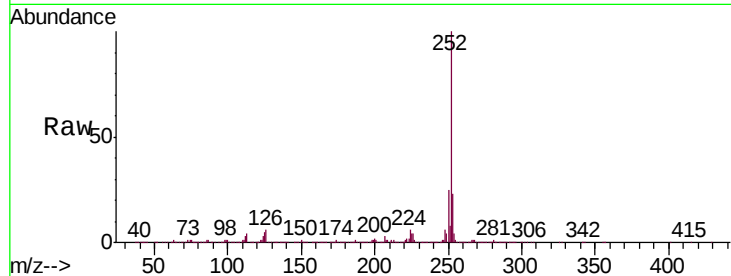
253 23.5 16.9 25.3

125 5.0 5.5 8.3#

Manual Integrations
APPROVED

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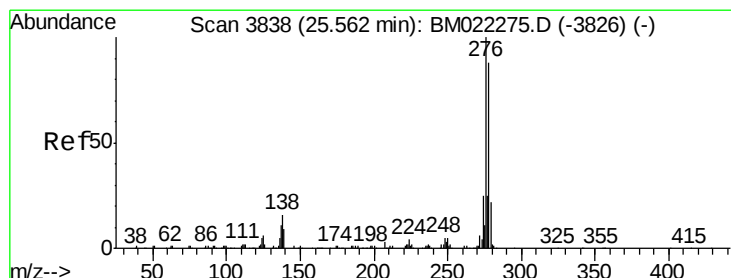
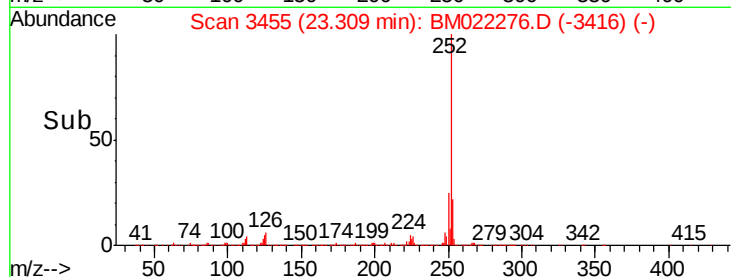
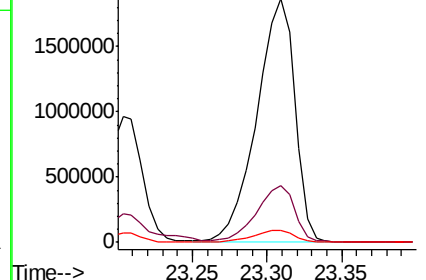
8/27/2019 4:28:40 AM



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



#91

Indeno(1,2,3-cd)pyrene

Concen: 84.978 ng/ul

RT: 25.60 min Scan# 3844

Delta R.T. 0.04 min

Lab File: BM022276.D

Acq: 24 Aug 2019 03:31

Tgt Ion:276 Resp: 1607486

Ion Ratio Lower Upper

276 100

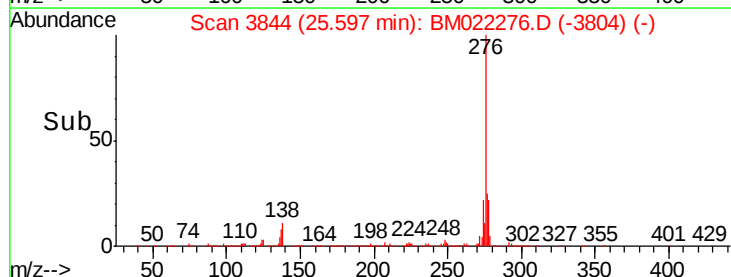
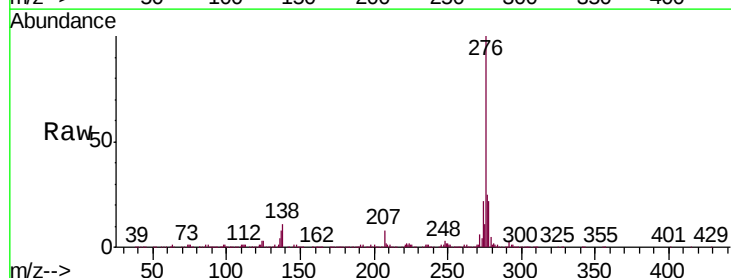
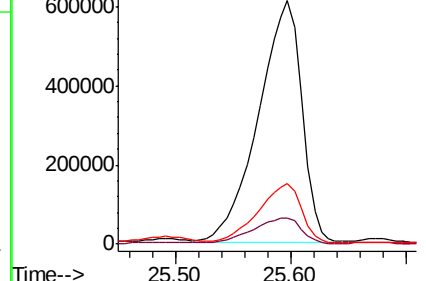
138 10.8 12.6 18.8#

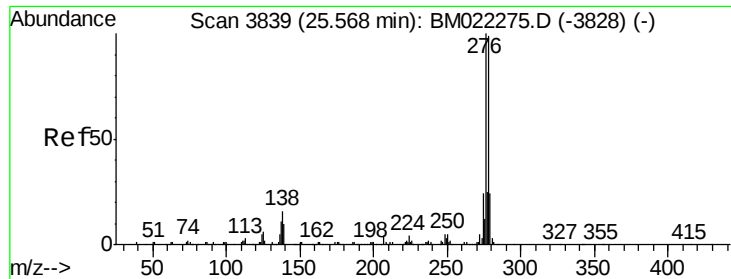
277 24.7 20.2 30.2

Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 26.072 ng/ul

RT: 25.59 min Scan# 3843

Delta R.T. 0.02 min

Lab File: BM022276.D

Acq: 24 Aug 2019 03:31

Instrument :

BNA_M

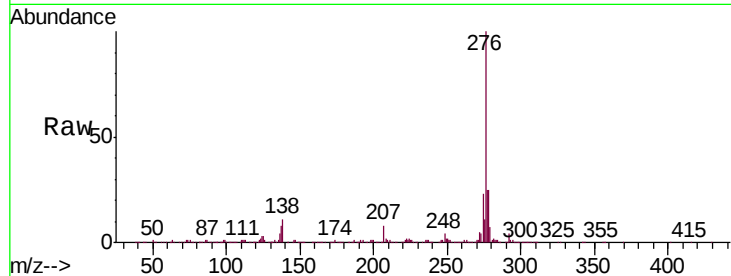
ClientSampleId :

C0AG7

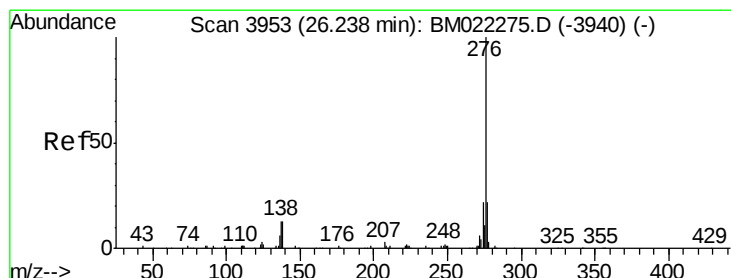
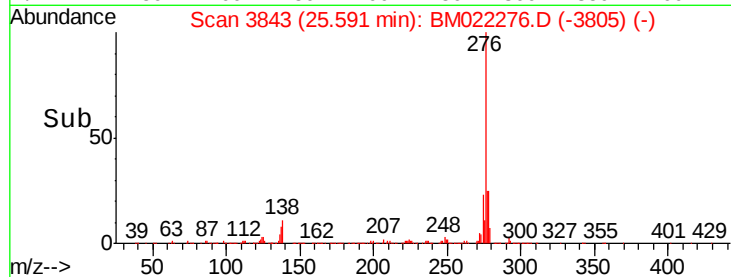
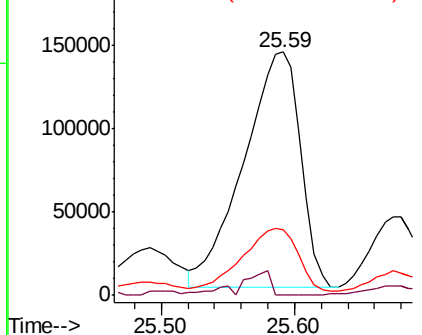
Tot Ion:	278	Resp:	418696
Ion Ratio	Lower	Upper	
278	100		
139	0.0	7.7	11.5#
279	26.9	19.0	28.6

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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#93

Benzo(g,h,i)perylene

Concen: 79.045 ng/ul

RT: 26.27 min Scan# 3958

Delta R.T. 0.03 min

Lab File: BM022276.D

Acq: 24 Aug 2019 03:31

Tgt Ion:	276	Resp:	1140692
Ion Ratio	Lower	Upper	
276	100		
138	12.5	10.2	15.4
277	25.4	18.2	27.4

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

