

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052620\
 Data File : BM026134.D
 Acq On : 27 May 2020 03:59
 Operator : MA/SJ
 Sample : L2756-08 2X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: May 27 05:16:07 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 26 11:15:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	160038	20.00	ng/ul	0.00
18) Naphthalene-d8	10.25	136	658297	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.13	164	389936	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.88	188	823182	20.00	ng/ul	0.00
78) Chrysene-d12	21.08	240	841099	20.00	ng/ul	0.00
86) Perylene-d12	23.19	264	892717	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.06	96	13680	2.58	ng/uL	0.00
5) Phenol-d5	6.68	99	43507	3.00	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.83	67	139826	13.92	ng/ul	0.00
9) 2-Chlorophenol-d4	7.02	132	129543	11.40	ng/ul	0.00
13) 4-Methylphenol-d8	8.20	113	80144	7.33	ng/ul	-0.01
19) Nitrobenzene-d5	8.63	128	82624	15.40	ng/ul	0.00
22) 2-Nitrophenol-d4	9.35	143	84949	16.00	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.88	165	145994	13.70	ng/ul	0.00
29) 4-Chloroaniline-d4	10.39	131	3199	0.30	ng/ul	0.00
44) Dimethylphthalate-d6	13.55	166	509224	16.28	ng/ul	0.00
47) Acenaphthylene-d8	13.82	160	599067	16.17	ng/ul	0.00
52) 4-Nitrophenol-d4	14.36	143	13605	2.46	ng/ul	0.00
58) Fluorene-d10	15.13	176	446202	16.41	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.26	200	63232	13.17	ng/ul	0.00
71) Anthracene-d10	16.98	188	700276	17.26	ng/ul	0.00
79) Pyrene-d10	19.28	212	773574	17.90	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.06	264	719456	15.14	ng/ul	0.00

Target Compounds

					Ovalue	
14) Acetophenone	8.29	105	20443	1.114	ng/ul#	36
17) Hexachloroethane	8.52	117	16137	3.037	ng/ul#	10
28) Naphthalene	10.30	128	9705380	241.130	ng/ul	99
30) 4-Chloroaniline	10.30	127	1289708	114.202	ng/ul#	13
34) 2-Methylnaphthalene	11.92	142	1642809	60.683	ng/ul	98
35) 1-Methylnaphthalene	12.15	142	1051556	41.867	ng/ul	99
41) 1,1'-Biphenyl	12.96	154	549627	15.885	ng/ul	98
45) Dimethylphthalate	13.60	163	129086	3.932	ng/ul	99
48) Acenaphthylene	13.84	152	2234066	54.929	ng/ul	98
50) Acenaphthene	14.19	153	145128	5.060	ng/ul	97
59) Fluorene	15.19	166	809631	24.829	ng/ul	100
61) 4-Nitroaniline	15.19	138	9132	1.363	ng/ul#	16
70) Phenanthrene	16.93	178	4519125	87.153	ng/ul	99
72) Anthracene	17.01	178	1254529	24.115	ng/ul	98
77) Fluoranthene	18.94	202	2217169	40.763	ng/ul	99
80) Pyrene	19.31	202	3306118	55.991	ng/ul	98
83) Benzo(a)anthracene	21.12	228	736689	12.707	ng/ul	96
85) Chrysene	21.12	228	738405	12.814	ng/ul	98
88) Benzo(b)fluoranthene	22.57	252	756937	12.535	ng/ul	98
89) Benzo(k)fluoranthene	22.57	252	756937	12.550	ng/ul	98
91) Benzo(a)pyrene	23.10	252	925476	17.416	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.27	276	419558	6.083	ng/ul	95
93) Dibenzo(a,h)anthracene	25.27	278	80749	1.383	ng/ul#	83

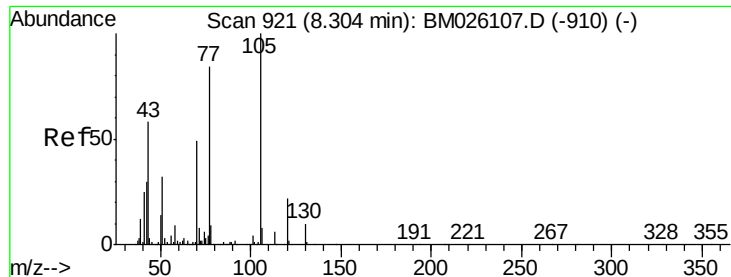
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052620\
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 26 11:15:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Benzo(q,h,i)perylene	25.90	276	540210	9.384	ng/ul	98

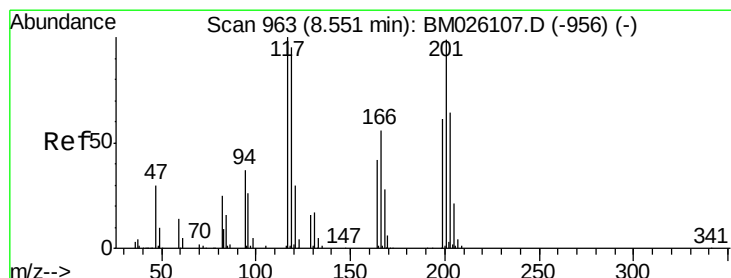
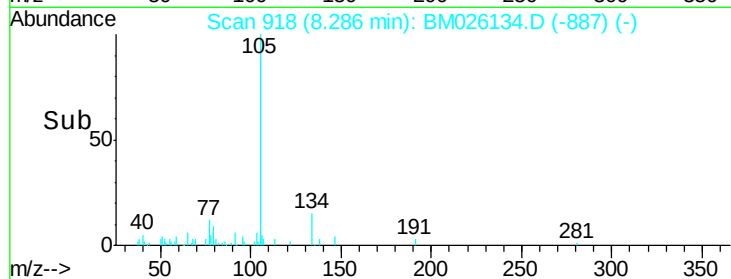
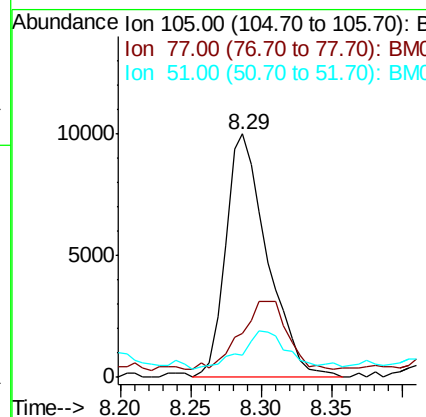
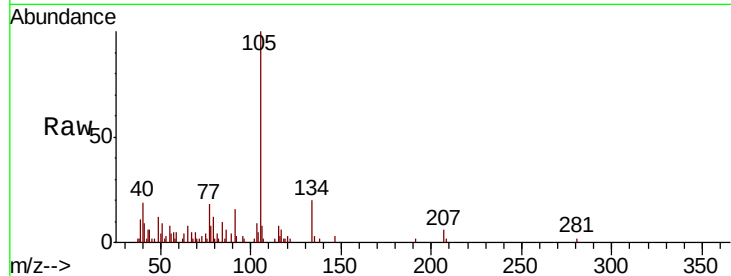
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#14
Acetophenone
Concen: 1.114 ng/ul
RT: 8.29 min Scan# 918
Delta R.T. -0.02 min
Lab File: BM026134.D
Acq: 27 May 2020 03:59

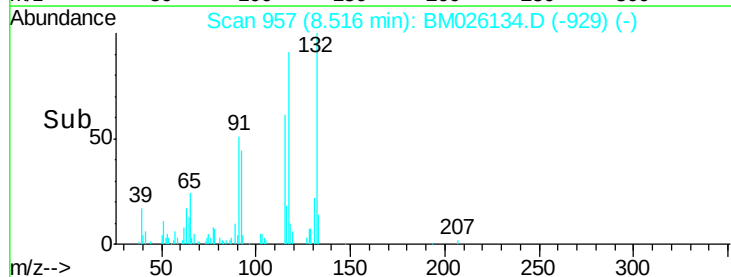
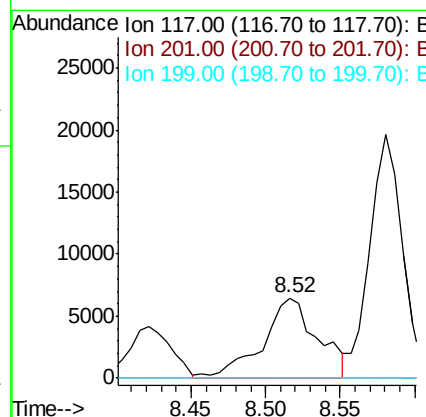
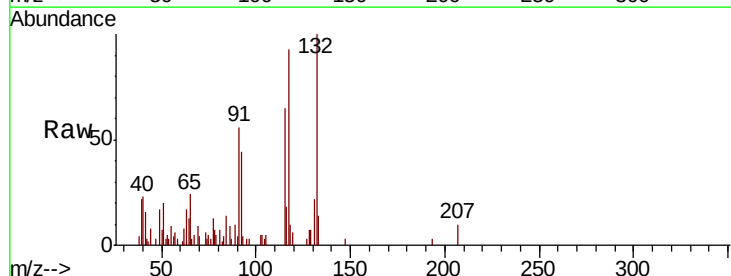
Instrument :
BNA_M
ClientSampleId :

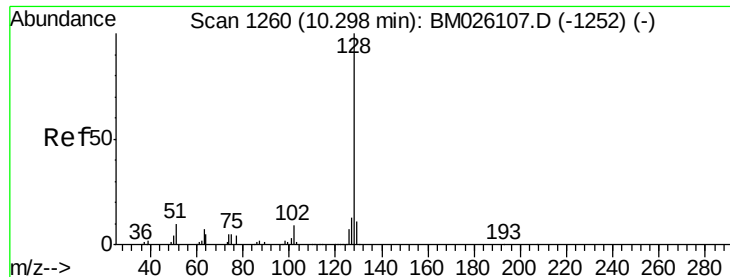
Tot Ion:105 Resp: 20443
Ion Ratio Lower Upper
105 100
77 17.8 67.2 100.8#
51 9.2 27.4 41.0#



#17
Hexachloroethane
Concen: 3.037 ng/ul
RT: 8.52 min Scan# 957
Delta R.T. -0.04 min
Lab File: BM026134.D
Acq: 27 May 2020 03:59

Tgt Ion:117 Resp: 16137
Ion Ratio Lower Upper
117 100
201 0.0 74.5 111.7#
199 0.0 45.9 68.9#

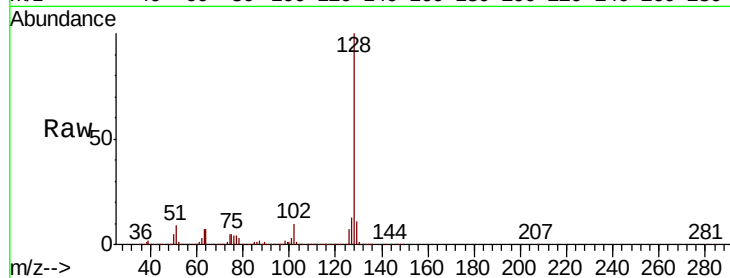




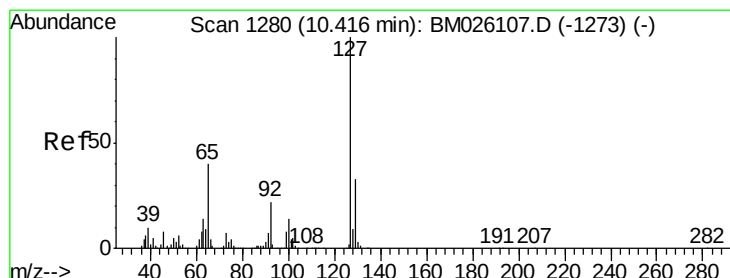
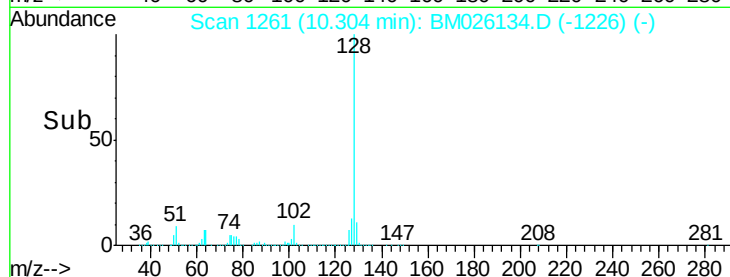
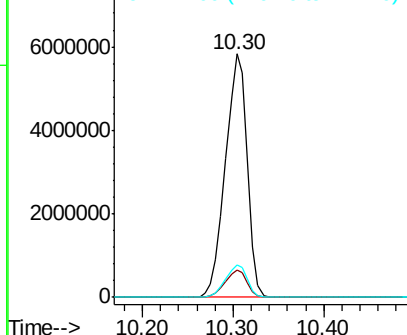
#28
Naphthalene
Concen: 241.130 ng/ul
RT: 10.30 min Scan# 1261
Delta R.T. 0.01 min
Lab File: BM026134.D
Acq: 27 May 2020 03:59

Instrument :
BNA_M
ClientSampleId :

Tot Ion:128 Resp: 9705380
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.4
127 13.5 10.6 15.8

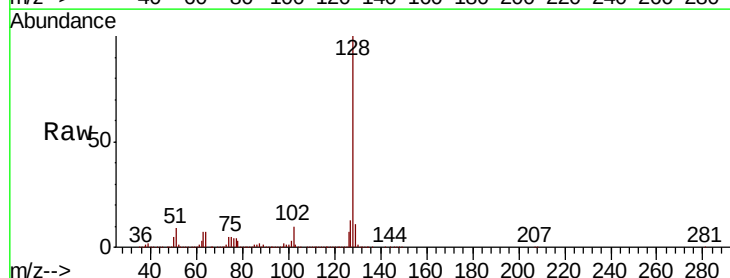


Abundance Ion 128.00 (127.70 to 128.70): E
8000000 Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

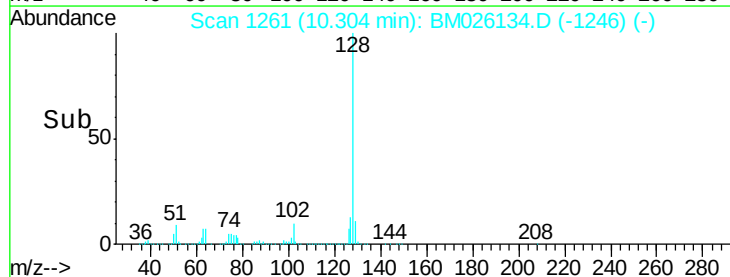
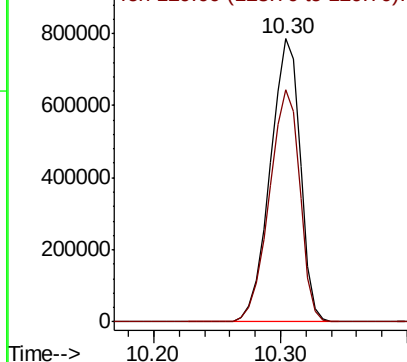


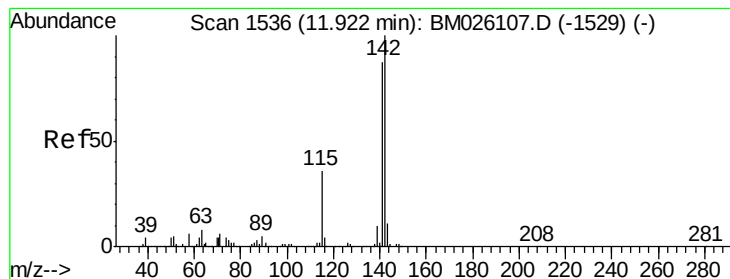
#30
4-Chloroaniline
Concen: 114.202 ng/ul
RT: 10.30 min Scan# 1261
Delta R.T. -0.11 min
Lab File: BM026134.D
Acq: 27 May 2020 03:59

Tgt Ion:127 Resp: 1289708
Ion Ratio Lower Upper
127 100
129 81.8 26.2 39.2#



Abundance Ion 127.00 (126.70 to 127.70): E
800000 Ion 129.00 (128.70 to 129.70): E





#34

2-Methylnaphthalene

Concen: 60.683 ng/ul

RT: 11.92 min Scan# 1536

Delta R.T. -0.00 min

Lab File: BM026134.D

Acq: 27 May 2020 03:59

Instrument :

BNA_M

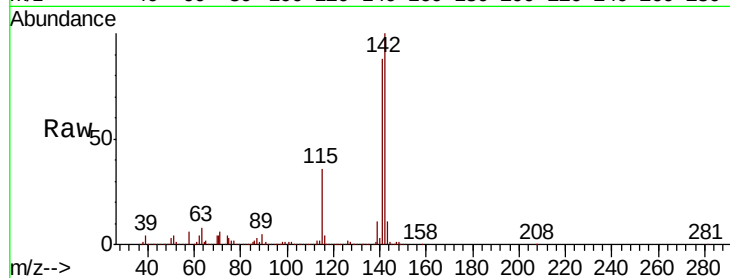
ClientSampleId :

Tot Ion:142 Resp: 1642809

Ion Ratio Lower Upper

142 100

141 88.2 71.8 107.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

1200000

1000000

800000

600000

400000

200000

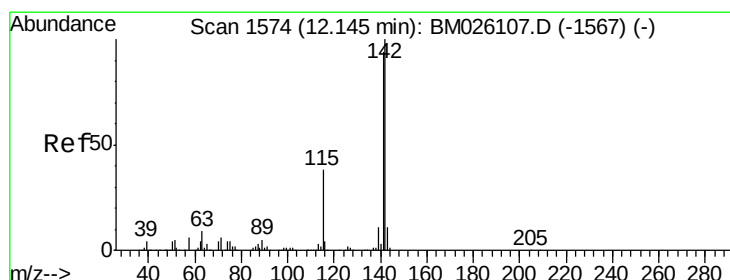
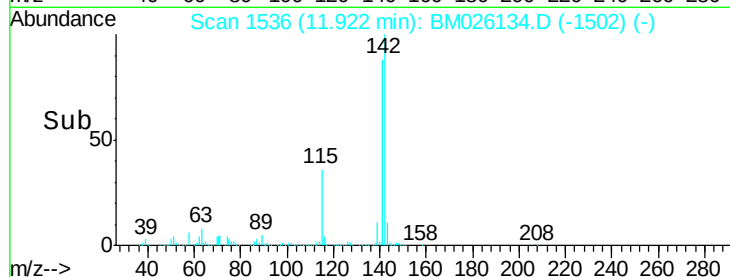
0

11.90

11.92

12.00

Time-->



#35

1-Methylnaphthalene

Concen: 41.867 ng/ul

RT: 12.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: BM026134.D

Acq: 27 May 2020 03:59

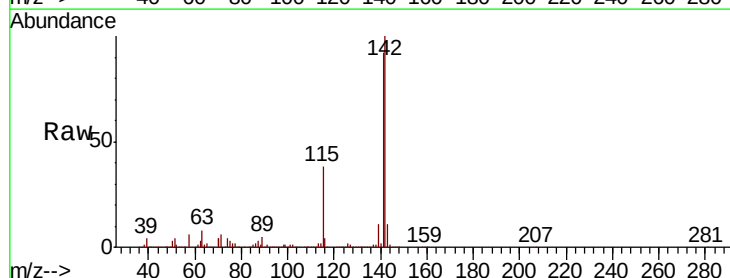
Tgt Ion:142 Resp: 1051556

Ion Ratio Lower Upper

142 100

141 92.3 73.0 109.4

116 4.0 3.3 4.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

800000

600000

400000

200000

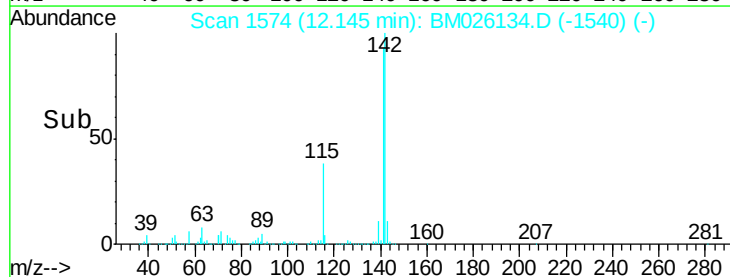
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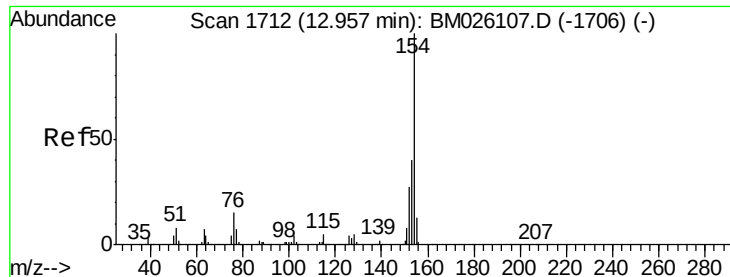
12.10

12.15

12.20

Time-->

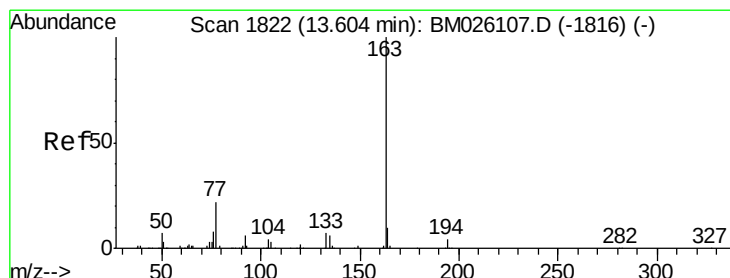
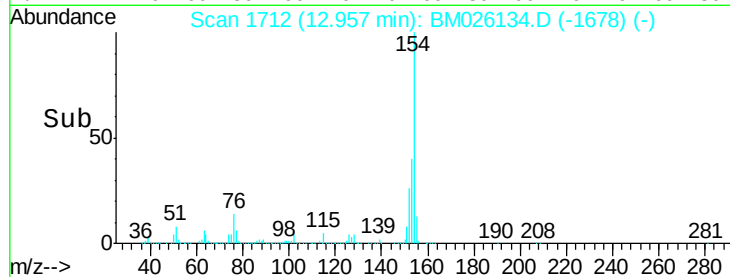
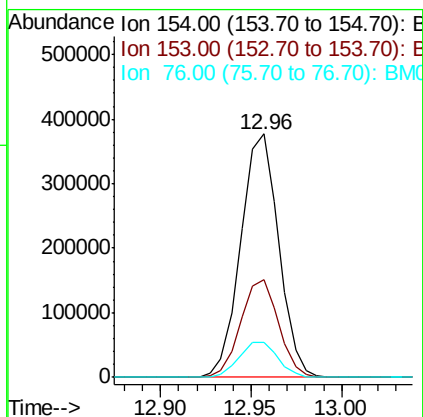
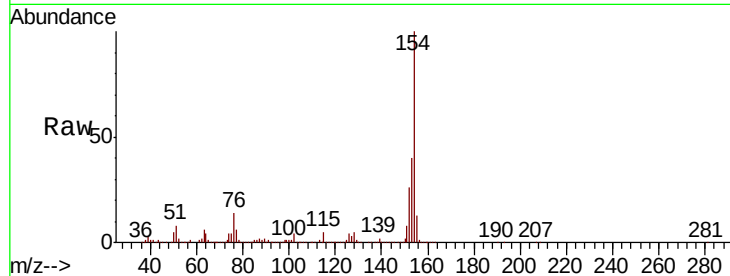




#41
 1,1'-Biphenyl
 Concen: 15.885 ng/ul
 RT: 12.96 min Scan# 1712
 Delta R.T. -0.00 min
 Lab File: BM026134.D
 Acq: 27 May 2020 03:59

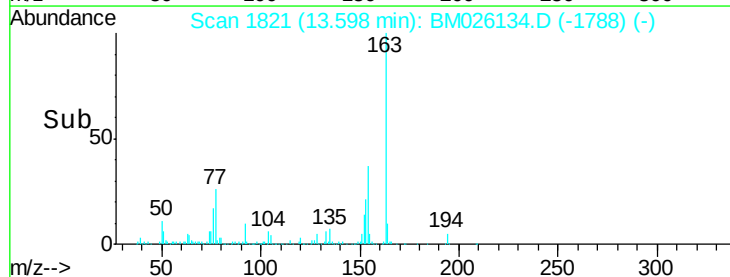
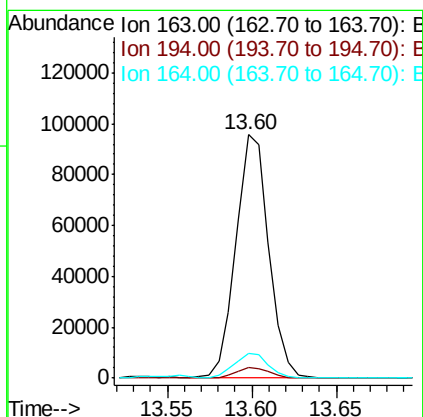
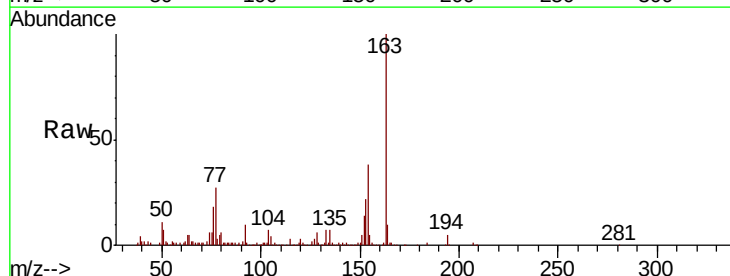
Instrument :
 BNA_M
 ClientSampleId :

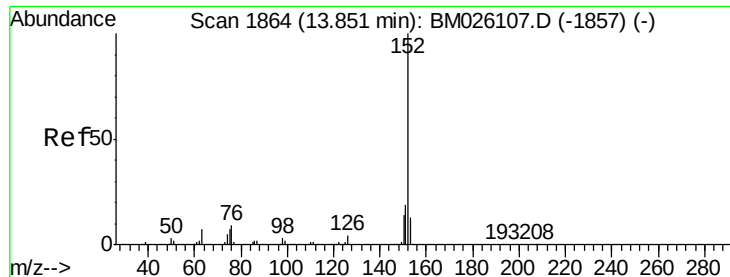
Tot Ion:	154	Resp:	549627
Ion	Ratio	Lower	Upper
154	100		
153	39.9	32.3	48.5
76	14.1	13.0	19.6



#45
 Dimethylphthalate
 Concen: 3.932 ng/ul
 RT: 13.60 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: BM026134.D
 Acq: 27 May 2020 03:59

Tgt Ion:	163	Resp:	129086
Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.2	4.8
164	10.1	8.0	12.0





#48

Acenaphthylene

Concen: 54.929 ng/ul

RT: 13.84 min Scan# 1863

Delta R.T. -0.01 min

Lab File: BM026134.D

Acq: 27 May 2020 03:59

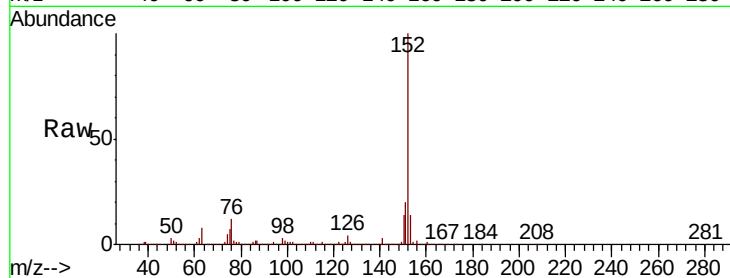
Instrument :

BNA_M

ClientSampleId :

Tot Ion:152 Resp: 2234066

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.7	23.5
153	13.6	10.2	15.2

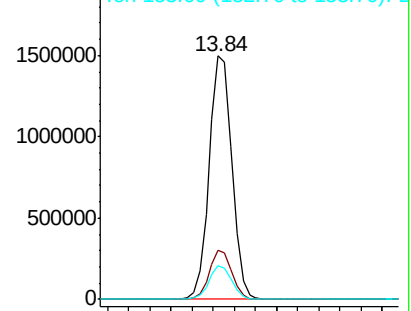


Abundance

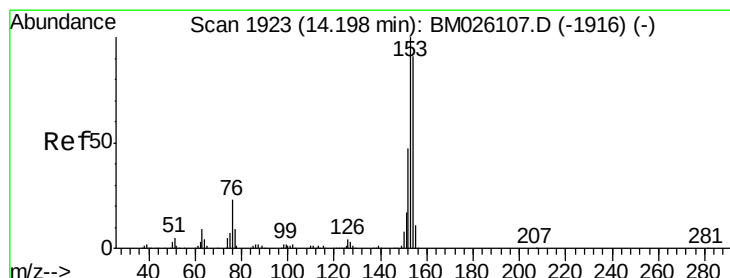
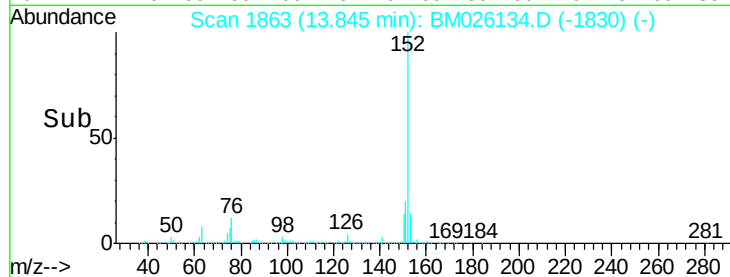
Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->



#50

Acenaphthene

Concen: 5.060 ng/ul

RT: 14.19 min Scan# 1922

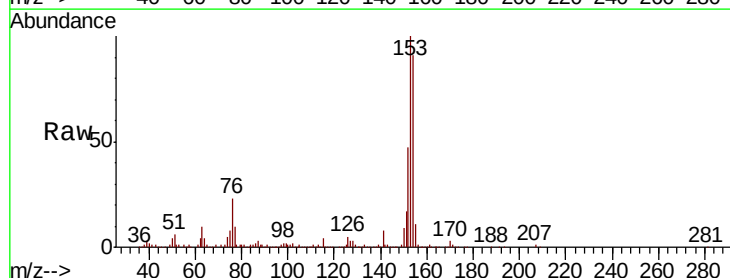
Delta R.T. -0.01 min

Lab File: BM026134.D

Acq: 27 May 2020 03:59

Tgt Ion:153 Resp: 145128

Ion	Ratio	Lower	Upper
153	100		
152	47.1	37.2	55.8
154	90.8	69.8	104.8

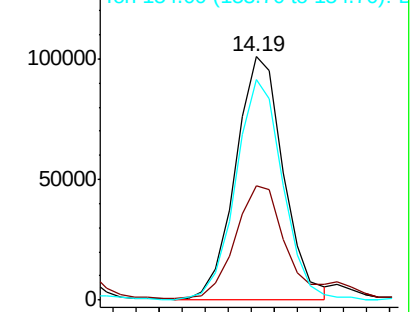


Abundance

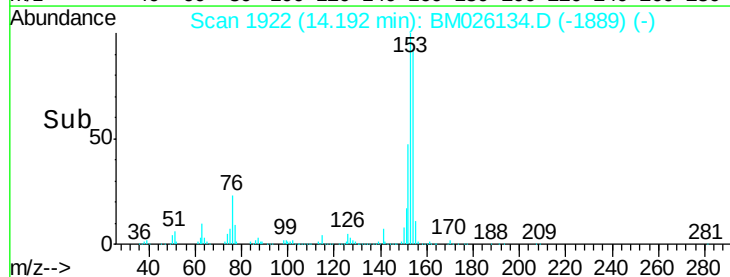
Ion 153.00 (152.70 to 153.70): E

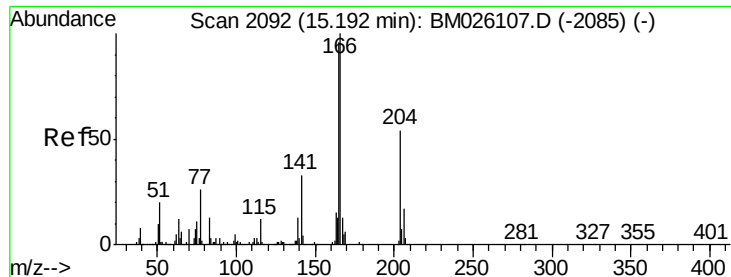
Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time-->

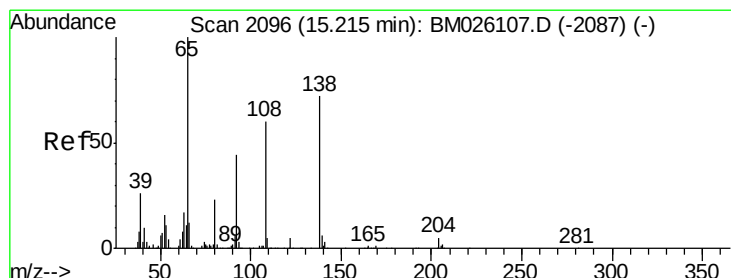
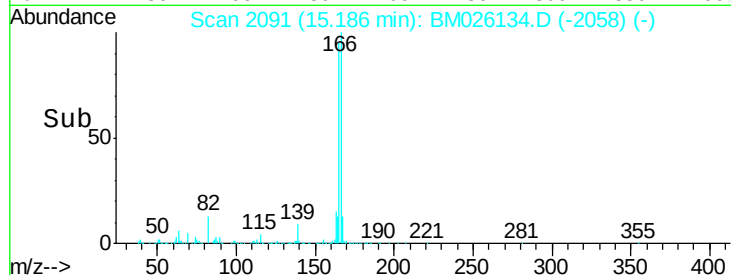
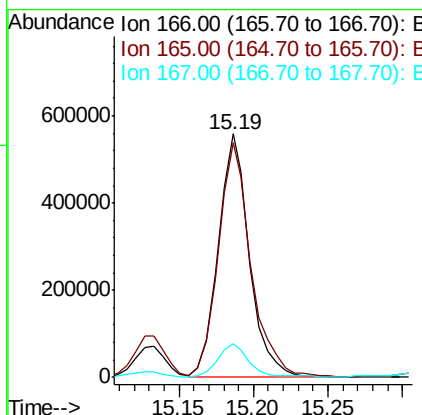
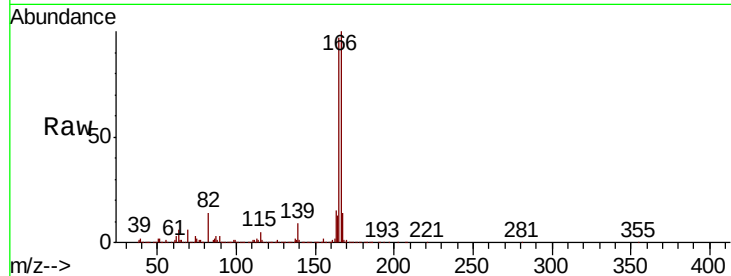




#59
Fluorene
 Concen: 24.829 ng/ul
 RT: 15.19 min Scan# 2091
 Delta R.T. -0.01 min
 Lab File: BM026134.D
 Acq: 27 May 2020 03:59

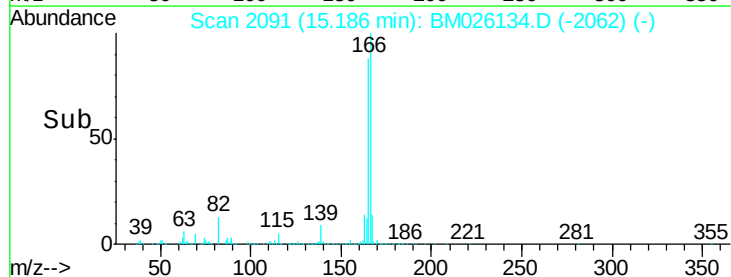
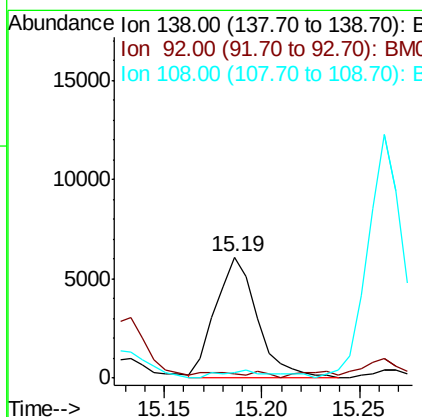
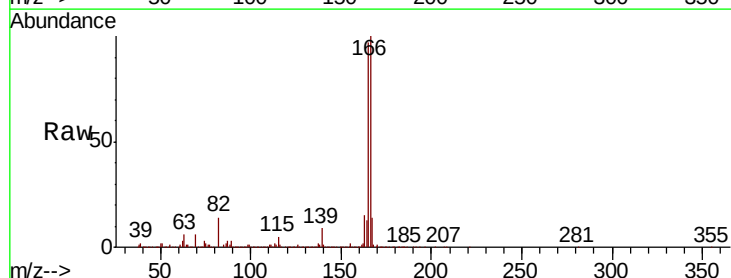
Instrument :
 BNA_M
 ClientSampleId :

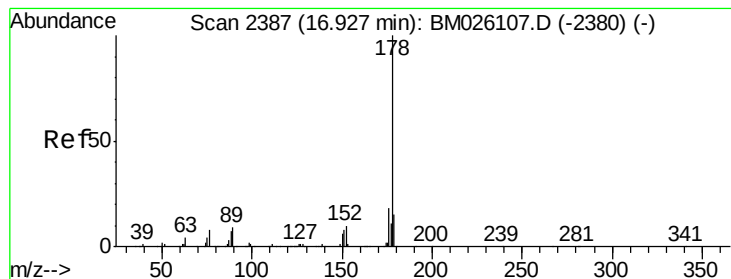
Tot Ion:166 Resp: 809631
 Ion Ratio Lower Upper
 166 100
 165 96.6 77.3 115.9
 167 13.7 10.6 16.0



#61
4-Nitroaniline
 Concen: 1.363 ng/ul
 RT: 15.19 min Scan# 2091
 Delta R.T. -0.03 min
 Lab File: BM026134.D
 Acq: 27 May 2020 03:59

Tgt Ion:138 Resp: 9132
 Ion Ratio Lower Upper
 138 100
 92 3.2 49.4 74.2#
 108 4.2 68.3 102.5#





#70

Phenanthrene

Concen: 87.153 ng/ul

RT: 16.93 min Scan# 2387

Delta R.T. -0.00 min

Lab File: BM026134.D

Acq: 27 May 2020 03:59

Instrument :

BNA_M

ClientSampleId :

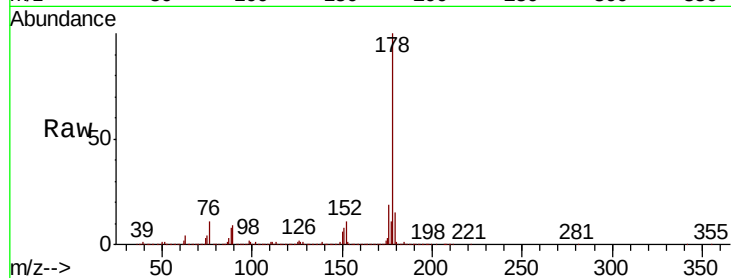
Tot Ion:178 Resp: 4519125

Ion Ratio Lower Upper

178 100

179 15.2 11.9 17.9

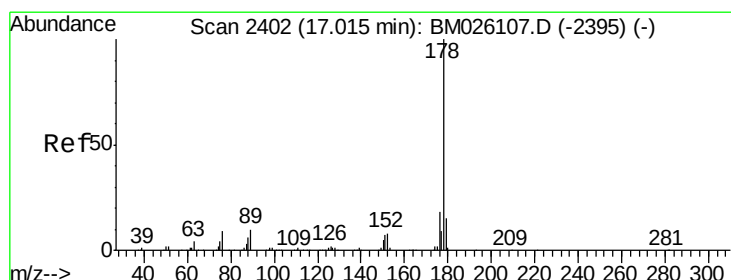
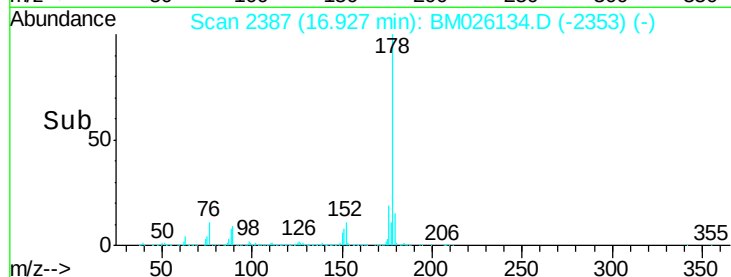
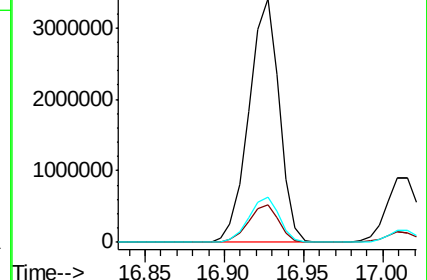
176 18.8 14.9 22.3



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



#72

Anthracene

Concen: 24.115 ng/ul

RT: 17.01 min Scan# 2401

Delta R.T. -0.01 min

Lab File: BM026134.D

Acq: 27 May 2020 03:59

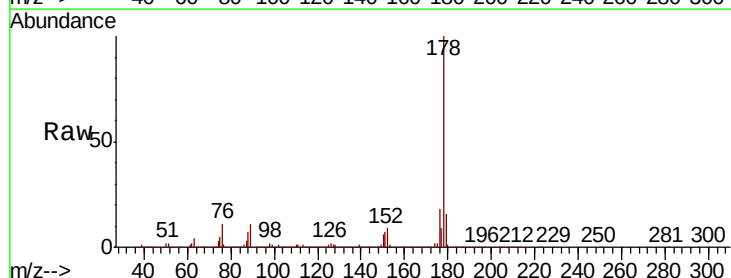
Tgt Ion:178 Resp: 1254529

Ion Ratio Lower Upper

178 100

179 15.7 12.2 18.4

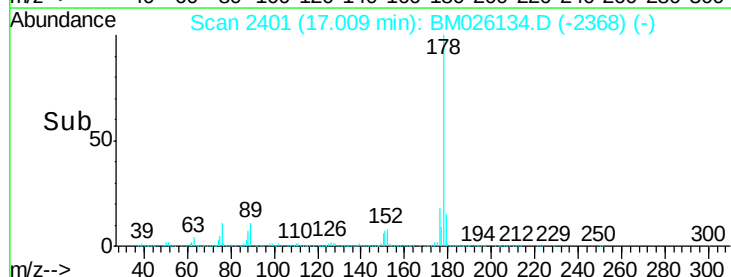
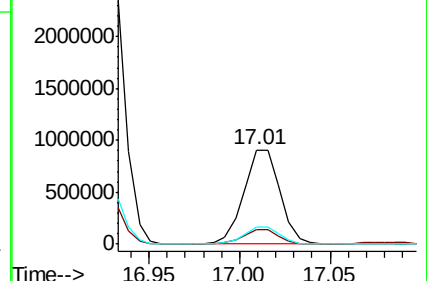
176 17.6 14.9 22.3

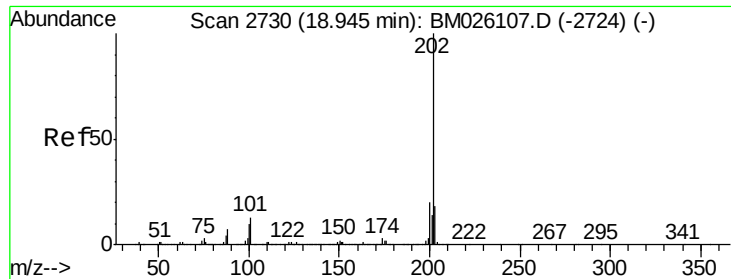


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

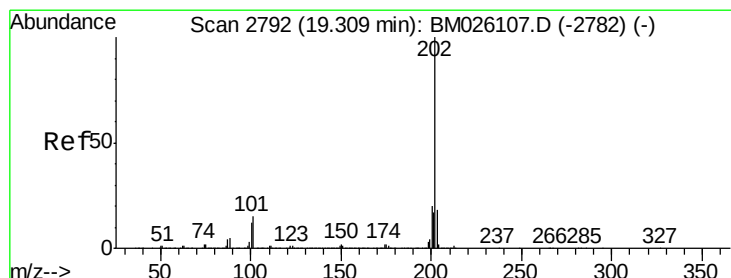
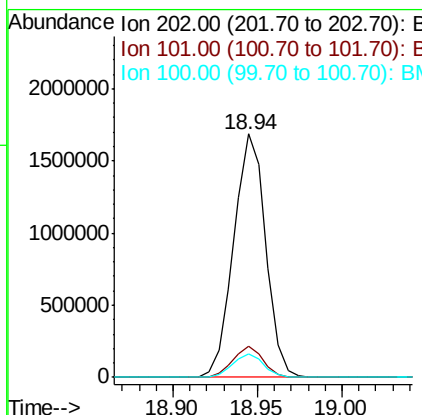
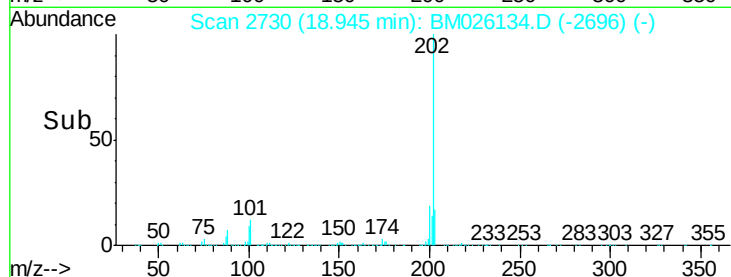
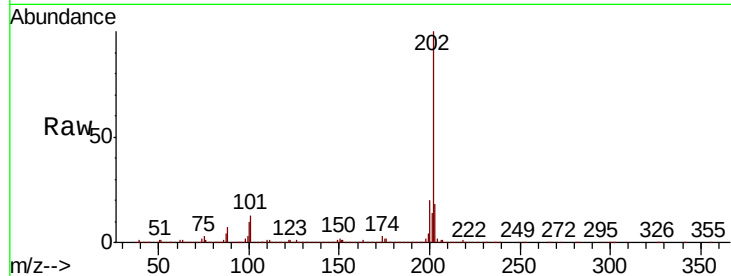




#77
Fluoranthene
Concen: 40.763 ng/ul
RT: 18.94 min Scan# 2730
Delta R.T. -0.00 min
Lab File: BM026134.D
Acq: 27 May 2020 03:59

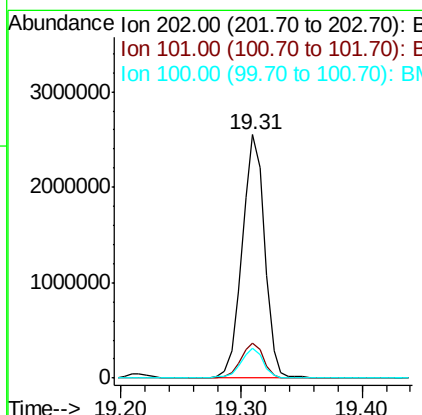
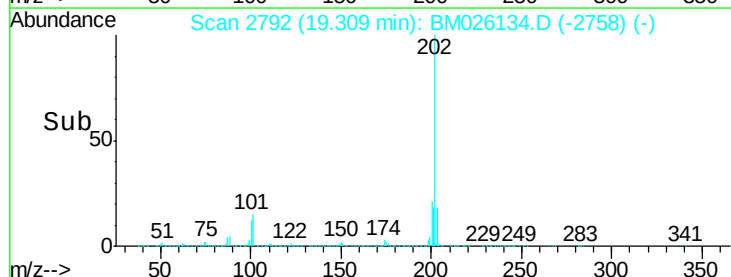
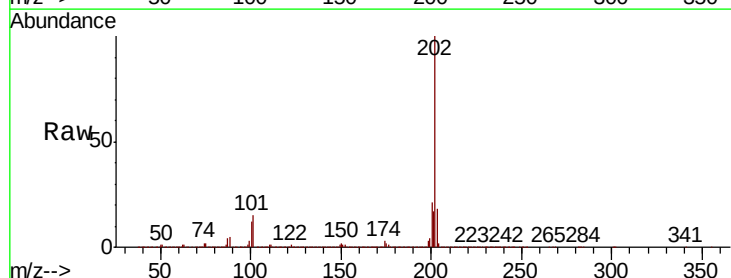
Instrument :
BNA_M
ClientSampleId :

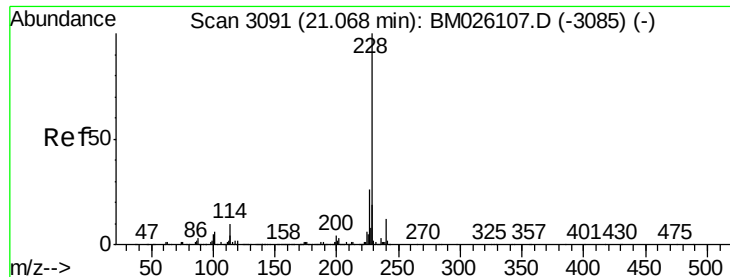
Tot Ion:202 Resp: 2217169
Ion Ratio Lower Upper
202 100
101 12.6 9.5 14.3
100 9.7 7.6 11.4



#80
Pyrene
Concen: 55.991 ng/ul
RT: 19.31 min Scan# 2792
Delta R.T. -0.00 min
Lab File: BM026134.D
Acq: 27 May 2020 03:59

Tgt Ion:202 Resp: 3306118
Ion Ratio Lower Upper
202 100
101 14.6 12.2 18.4
100 12.0 10.2 15.4





#83

Benzo(a)anthracene

Concen: 12.707 ng/ul

RT: 21.12 min Scan# 3099

Delta R.T. 0.05 min

Lab File: BM026134.D

Acq: 27 May 2020 03:59

Instrument :

BNA_M

ClientSampled :

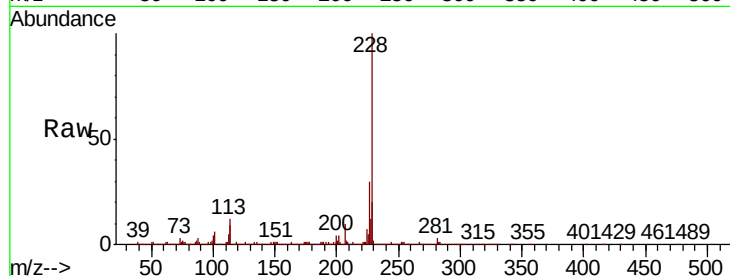
Tot Ion:228 Resp: 736689

Ion Ratio Lower Upper

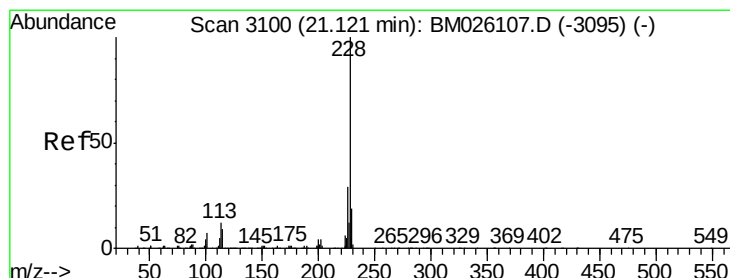
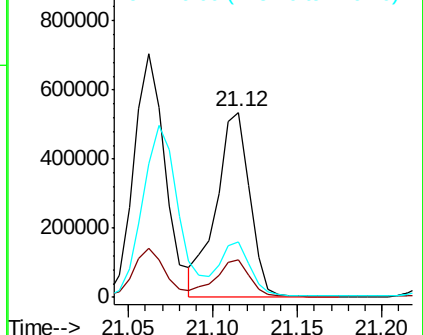
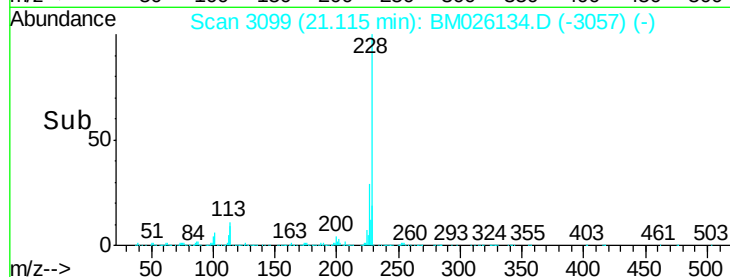
228 100

229 19.9 15.5 23.3

226 29.8 21.2 31.8



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



#85

Chrysene

Concen: 12.814 ng/ul

RT: 21.12 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BM026134.D

Acq: 27 May 2020 03:59

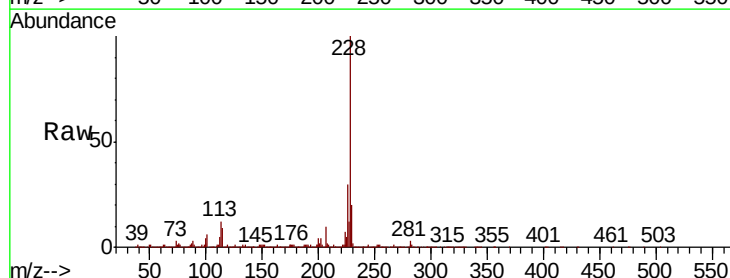
Tgt Ion:228 Resp: 738405

Ion Ratio Lower Upper

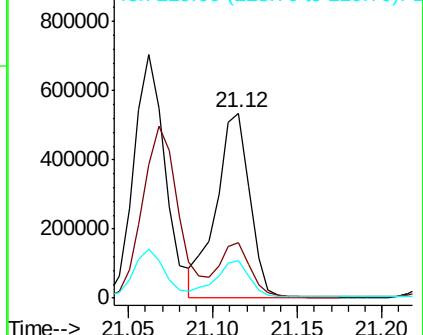
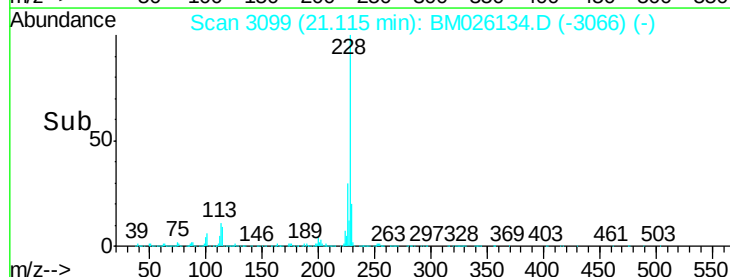
228 100

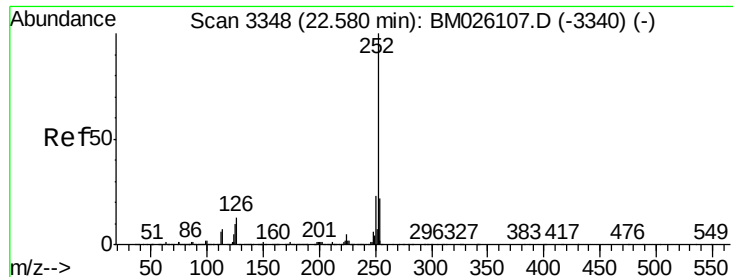
226 29.8 23.0 34.6

229 19.9 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





#88

Benzo(b)fluoranthene

Concen: 12.535 ng/ul

RT: 22.57 min Scan# 3347

Delta R.T. -0.01 min

Lab File: BM026134.D

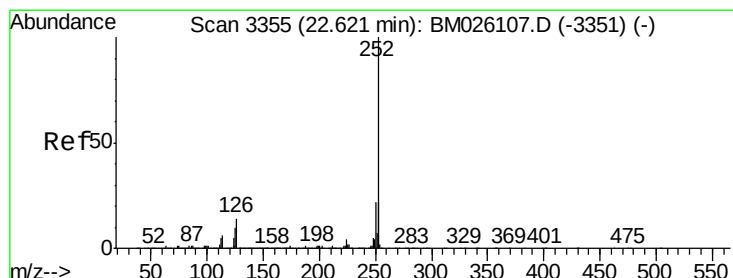
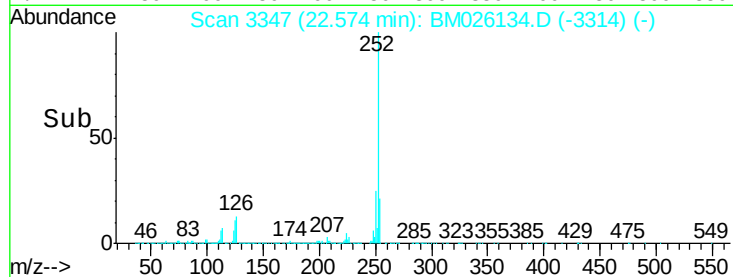
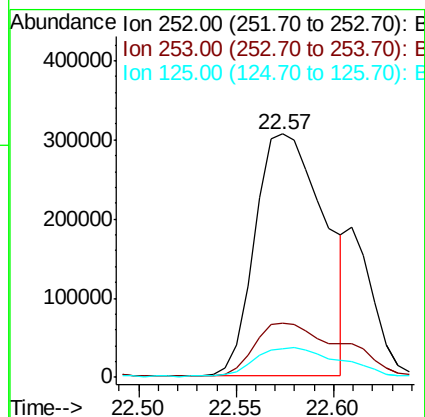
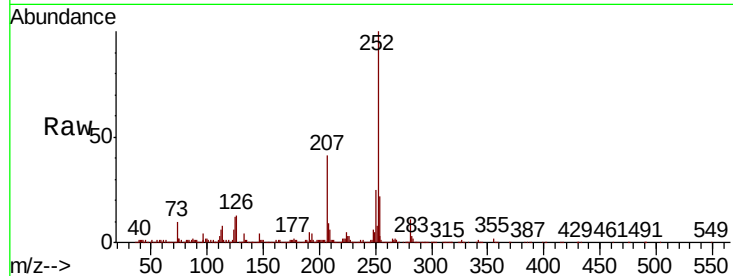
Acq: 27 May 2020 03:59

Instrument :

BNA_M

ClientSampleId :

Tot Ion:252	Resp:	756937
Ion Ratio	Lower	Upper
252	100	
253	22.2	17.1 25.7
125	11.8	8.9 13.3



#89

Benzo(k)fluoranthene

Concen: 12.550 ng/ul

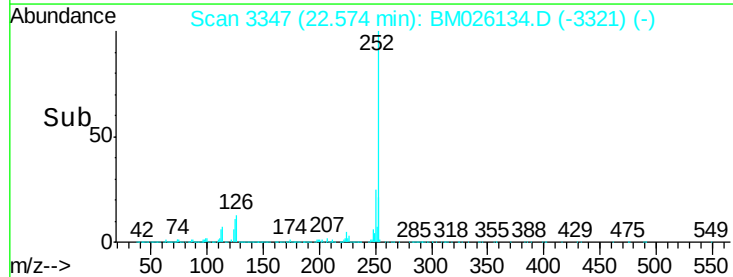
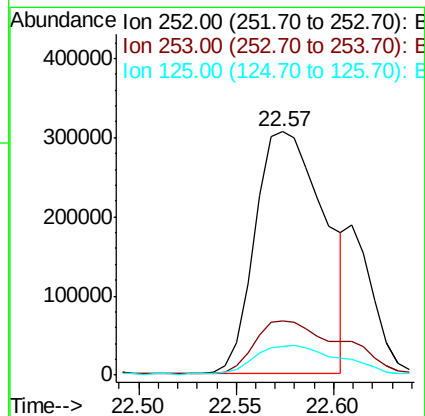
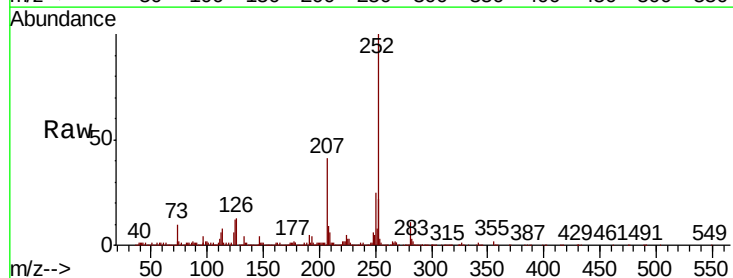
RT: 22.57 min Scan# 3347

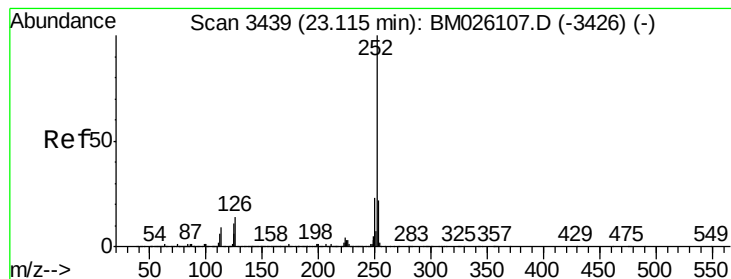
Delta R.T. -0.05 min

Lab File: BM026134.D

Acq: 27 May 2020 03:59

Tgt Ion:252	Resp:	756937
Ion Ratio	Lower	Upper
252	100	
253	22.2	17.0 25.4
125	11.8	8.6 13.0





#91

Benzo(a)pyrene

Concen: 17.416 ng/ul

RT: 23.10 min Scan# 3437

Delta R.T. -0.01 min

Lab File: BM026134.D

Acq: 27 May 2020 03:59

Instrument :

BNA_M

ClientSampleId :

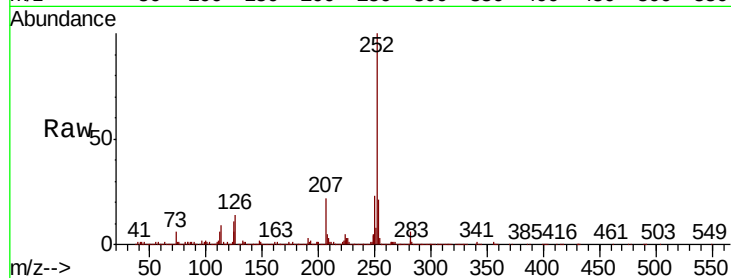
Tot Ion:252 Resp: 925476

Ion Ratio Lower Upper

252 100

253 21.2 17.6 26.4

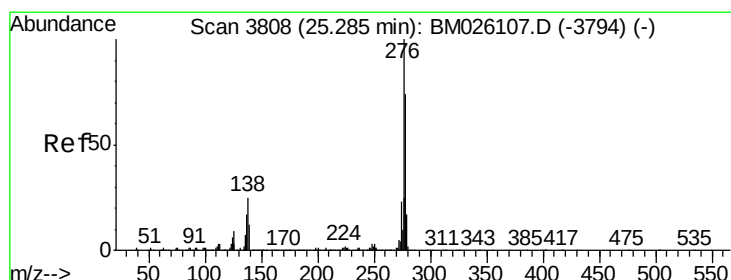
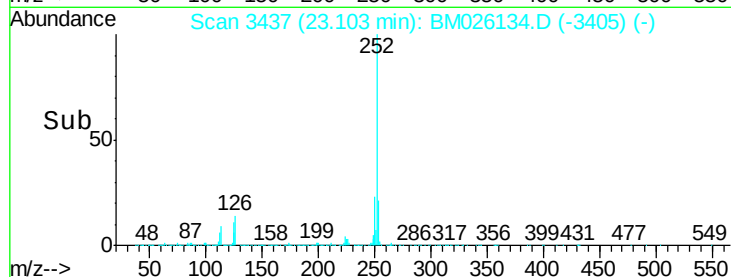
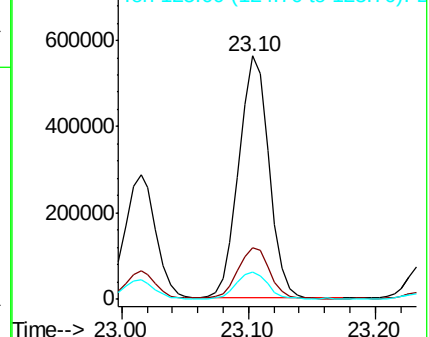
125 11.1 9.8 14.6



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 6.083 ng/ul

RT: 25.27 min Scan# 3805

Delta R.T. -0.02 min

Lab File: BM026134.D

Acq: 27 May 2020 03:59

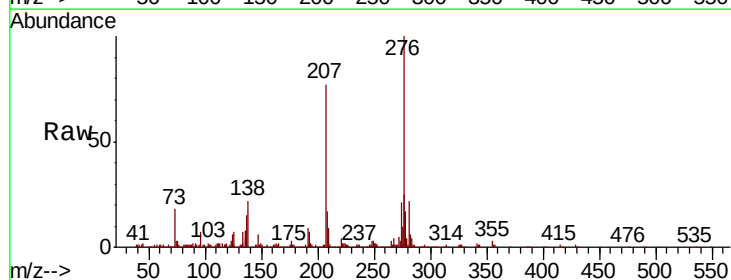
Tgt Ion:276 Resp: 419558

Ion Ratio Lower Upper

276 100

138 22.5 21.6 32.4

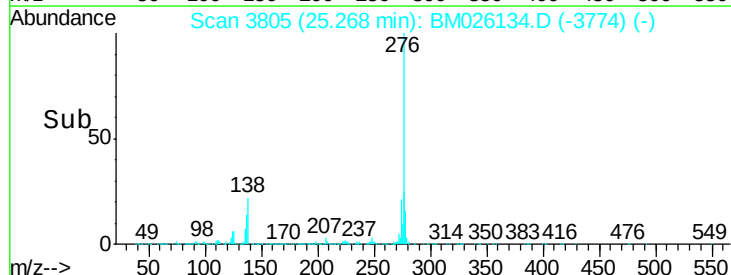
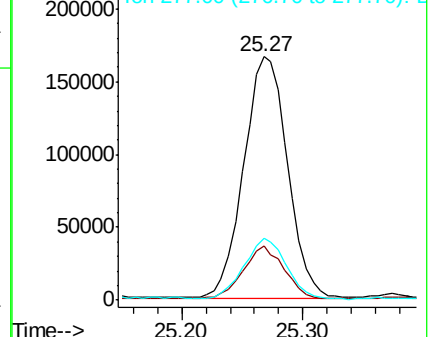
277 25.4 20.3 30.5

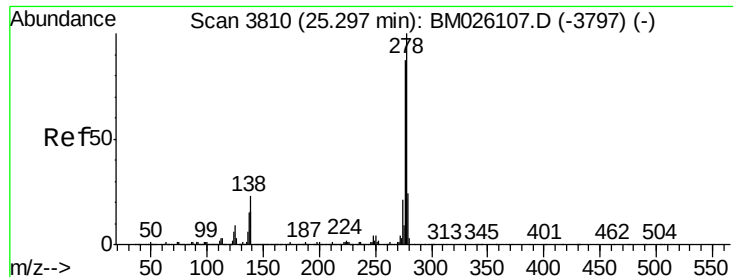


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 1.383 ng/ul

RT: 25.27 min Scan# 3806

Delta R.T. -0.02 min

Lab File: BM026134.D

Acq: 27 May 2020 03:59

Instrument :

BNA_M

ClientSampleId :

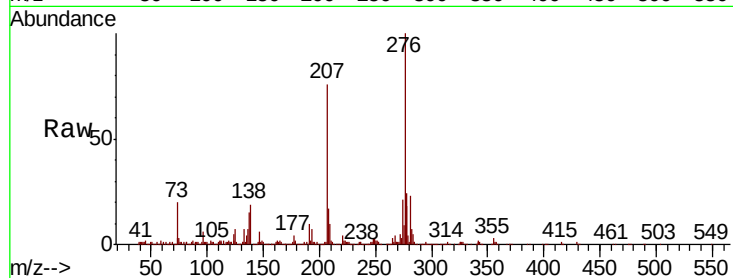
Tot Ion:278 Resp: 80749

Ion Ratio Lower Upper

278 100

139 0.0 13.5 20.3#

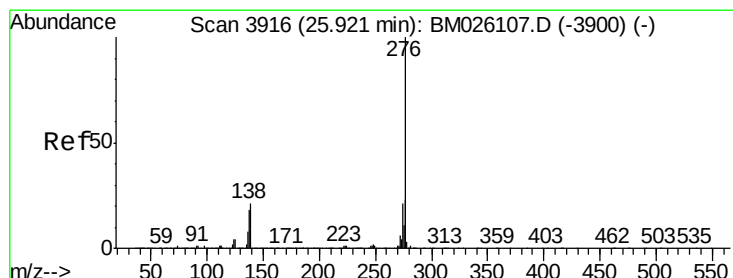
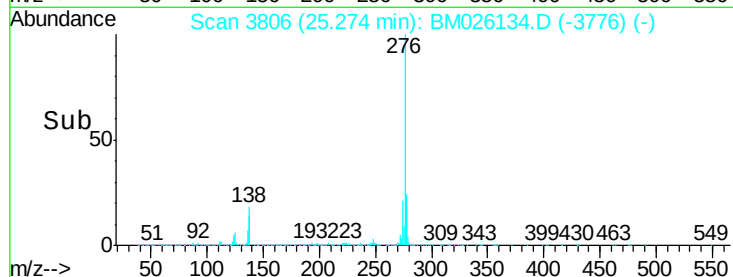
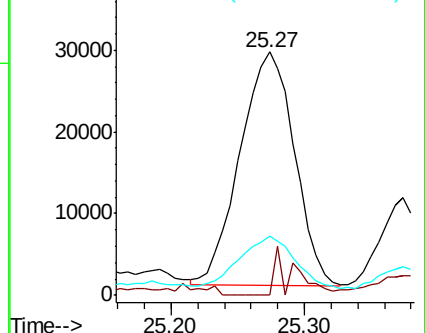
279 24.2 18.8 28.2



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



#94

Benzo(g,h,i)perylene

Concen: 9.384 ng/ul

RT: 25.90 min Scan# 3913

Delta R.T. -0.02 min

Lab File: BM026134.D

Acq: 27 May 2020 03:59

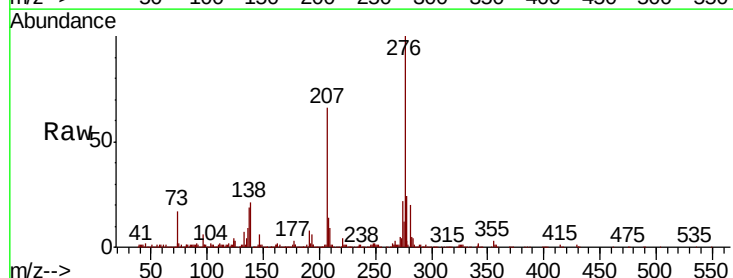
Tgt Ion:276 Resp: 540210

Ion Ratio Lower Upper

276 100

138 21.4 18.7 28.1

277 23.6 18.8 28.2



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

