

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052119\
 Data File : BM020480.D
 Acq On : 22 May 2019 03:28
 Operator : JU/SJ
 Sample : K2923-05DL 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4252DL

Quant Time: May 22 06:44:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 22 06:40:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	16611	20.00	ng/ul	0.00
18) Naphthalene-d8	10.51	136	64011	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.37	164	38335	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.12	188	101779	20.00	ng/ul	0.00
77) Chrysene-d12	21.32	240	122536	20.00	ng/ul	0.00
85) Perylene-d12	23.59	264	140424	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	1385	3.08	ng/uL	0.00
5) Phenol-d5	6.89	99	13714	10.35	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.07	67	8939	10.61	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	11589	11.92	ng/ul	0.00
13) 4-Methylphenol-d8	8.43	113	7896	8.18	ng/ul	0.00
19) Nitrobenzene-d5	8.89	128	3988	9.58	ng/ul	0.00
22) 2-Nitrophenol-d4	9.61	143	4556	9.92	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.15	165	8830	9.09	ng/ul	0.01
29) 4-Chloroaniline-d4	10.68	131	4421	4.41	ng/ul	0.02
43) Dimethylphthalate-d6	13.79	166	34691	12.58	ng/ul	0.00
46) Acenaphthylene-d8	14.06	160	40300	11.68	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	15.37	176	31526	12.85	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.51	200	1760	3.04	ng/ul	0.00
70) Anthracene-d10	17.22	188	56591	12.96	ng/ul	0.00
78) Pyrene-d10	19.52	212	72168	12.23	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.44	264	84489	13.24	ng/ul	0.00

Target Compounds

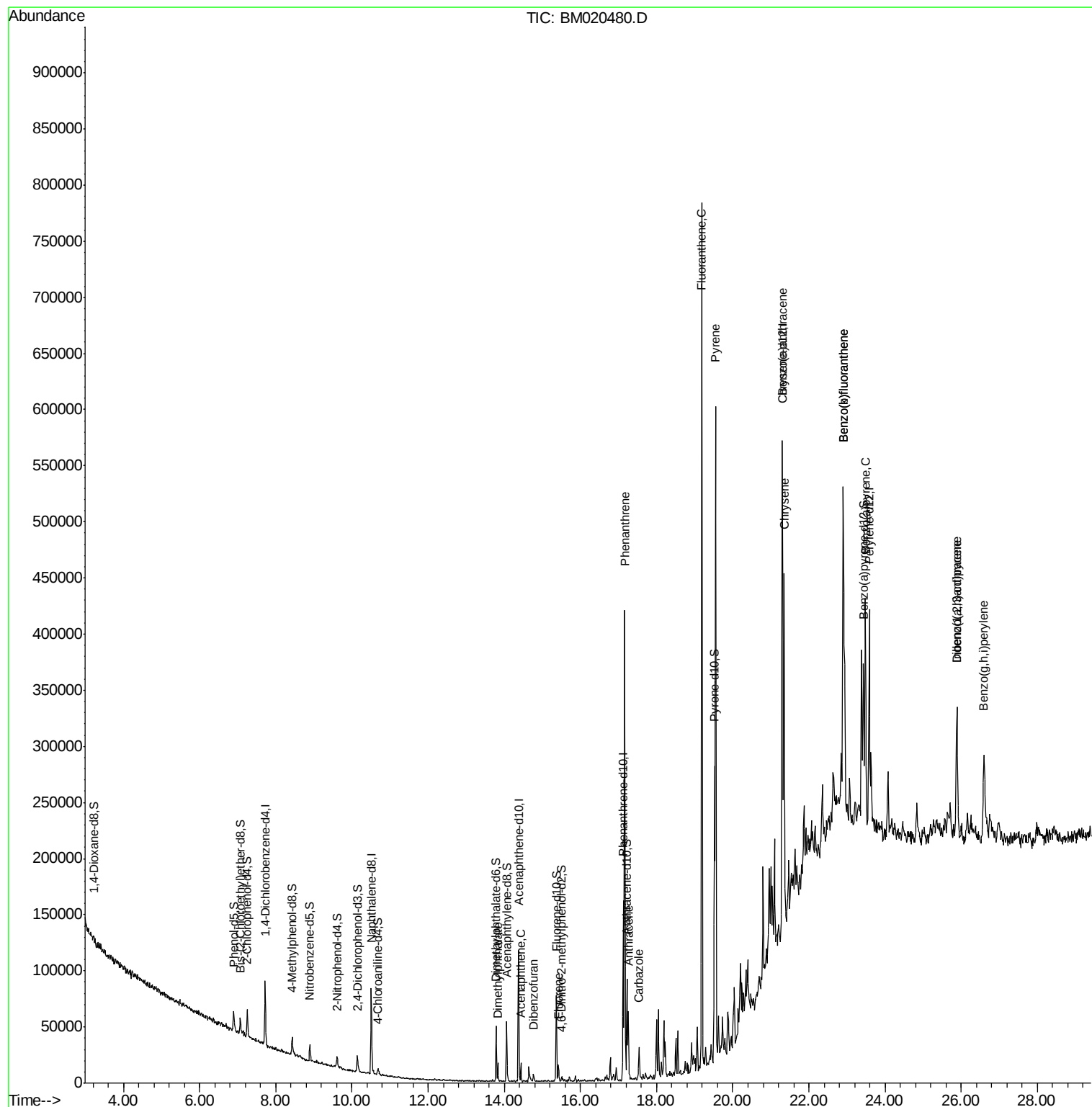
					Qvalue	
44) Dimethylphthalate	13.83	163	11427	4.188	ng/ul	100
49) Acenaphthene	14.43	153	6892	3.081	ng/ul#	86
53) Dibenzofuran	14.77	168	5900	1.742	ng/ul	96
58) Fluorene	15.42	166	7074	2.607	ng/ul	95
69) Phenanthrene	17.16	178	251597	51.881	ng/ul	99
71) Anthracene	17.26	178	39984	8.105	ng/ul	97
74) Carbazole	17.54	167	22408	5.352	ng/ul	98
76) Fluoranthene	19.19	202	456176	74.467	ng/ul	99
79) Pyrene	19.55	202	369365	50.221	ng/ul	99
82) Benzo(a)anthracene	21.30	228	183105	24.827	ng/ul	99
84) Chrysene	21.35	228	174664	24.782	ng/ul	98
87) Benzo(b)fluoranthene	22.90	252	249348	31.113	ng/ul	98
88) Benzo(k)fluoranthene	22.90	252	249348	31.675	ng/ul	99
90) Benzo(a)pyrene	23.49	252	151754	20.121	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.89	276	117576	13.681	ng/ul#	94
92) Dibenz(a,h)anthracene	25.89	278	28460	3.872	ng/ul#	90
93) Benzo(g,h,i)perylene	26.60	276	96588	13.577	ng/ul	100

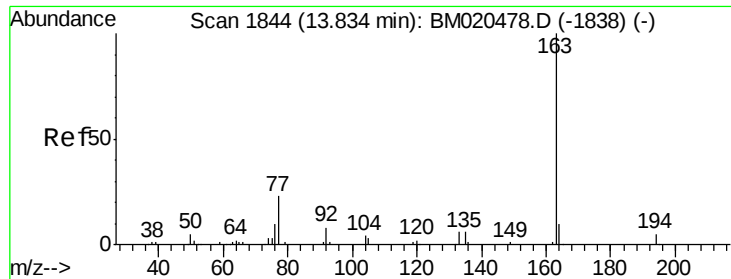
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#44

Dimethylphthalate

Concen: 4.188 ng/ul

RT: 13.83 min Scan# 1844

Delta R.T. -0.00 min

Lab File: BM020480.D

Acq: 22 May 2019 03:28

Instrument :

BNA_M

ClientSampleId :

A4252DL

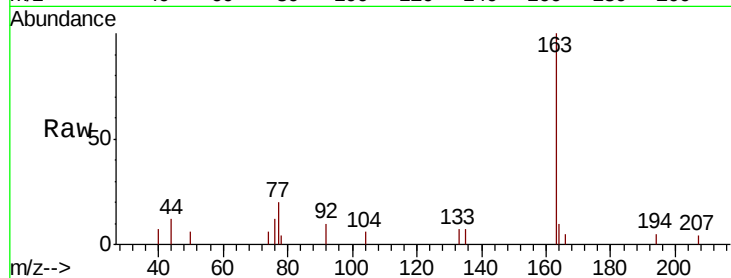
Tgt Ion:163 Resp: 11427

Ion Ratio Lower Upper

163 100

194 4.6 3.3 4.9

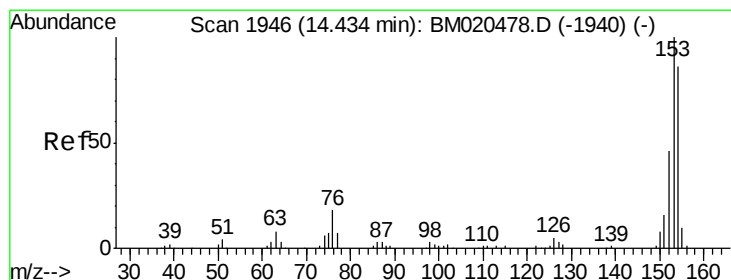
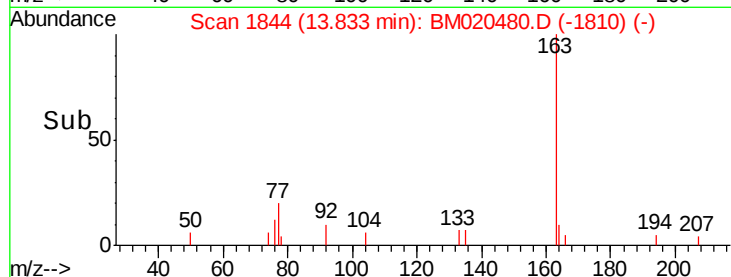
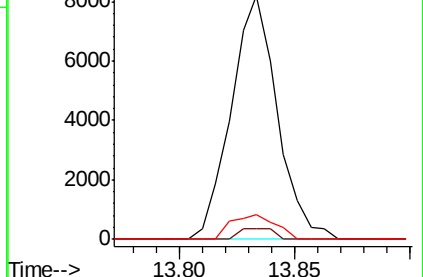
164 10.0 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#49

Acenaphthene

Concen: 3.081 ng/ul

RT: 14.43 min Scan# 1946

Delta R.T. -0.00 min

Lab File: BM020480.D

Acq: 22 May 2019 03:28

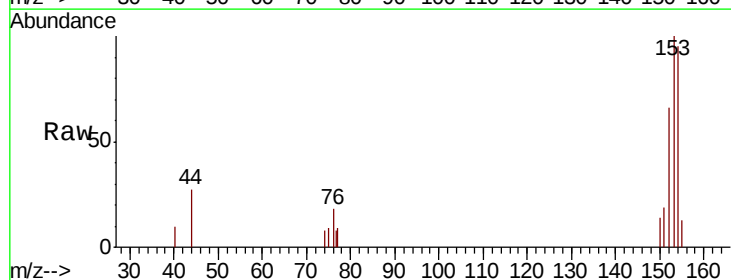
Tgt Ion:153 Resp: 6892

Ion Ratio Lower Upper

153 100

152 66.2 37.9 56.9#

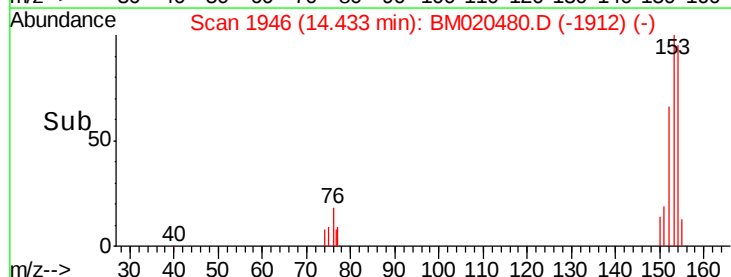
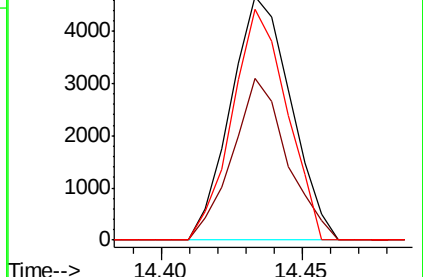
154 95.0 71.2 106.8

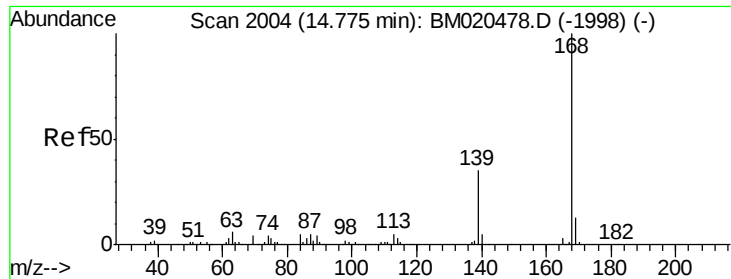


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 1.742 ng/ul

RT: 14.77 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BM020480.D

Acq: 22 May 2019 03:28

Instrument :

BNA_M

ClientSampleId :

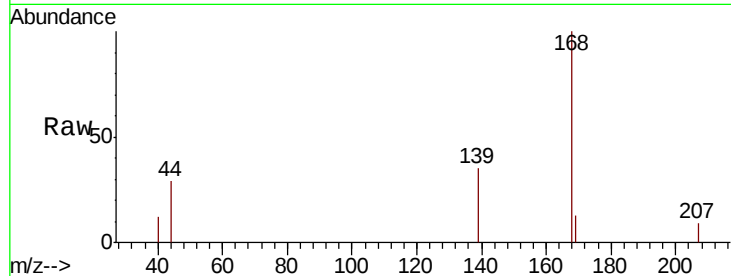
A4252DL

Tgt Ion:168 Resp: 5900

Ion Ratio Lower Upper

168 100

139 35.3 30.1 45.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.77

4000

3000

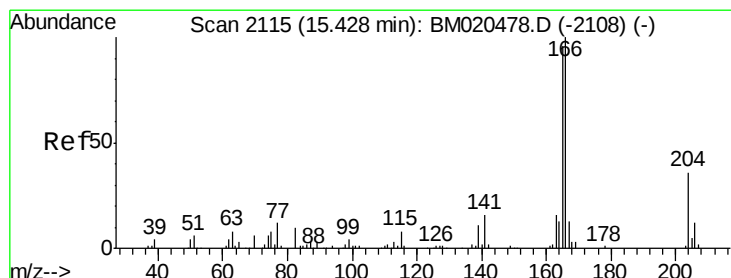
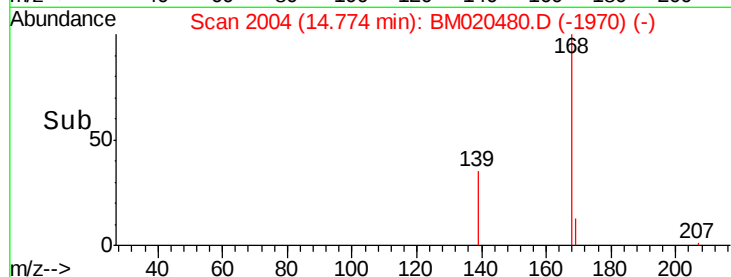
2000

1000

0

14.75 14.80

Time-->



#58

Fluorene

Concen: 2.607 ng/ul

RT: 15.42 min Scan# 2114

Delta R.T. -0.01 min

Lab File: BM020480.D

Acq: 22 May 2019 03:28

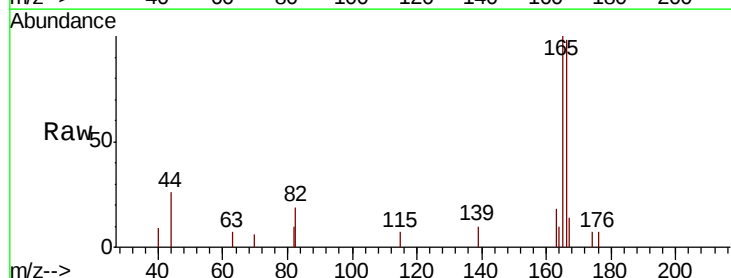
Tgt Ion:166 Resp: 7074

Ion Ratio Lower Upper

166 100

165 101.9 77.1 115.7

167 14.6 11.1 16.7



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

6000

5000

4000

3000

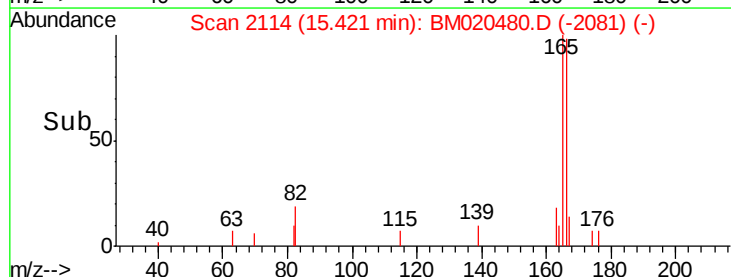
2000

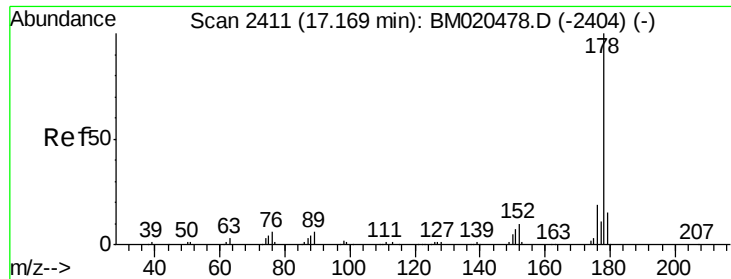
1000

0

15.40 15.45

Time-->





#69

Phenanthrene

Concen: 51.881 ng/ul

RT: 17.16 min Scan# 2410

Delta R.T. -0.01 min

Lab File: BM020480.D

Acq: 22 May 2019 03:28

Instrument :

BNA_M

ClientSampleId :

A4252DL

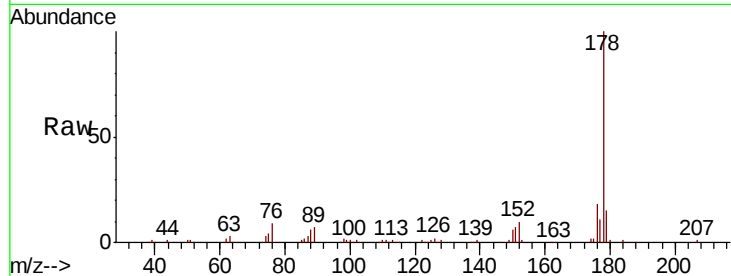
Tgt Ion:178 Resp: 251597

Ion Ratio Lower Upper

178 100

179 15.5 11.9 17.9

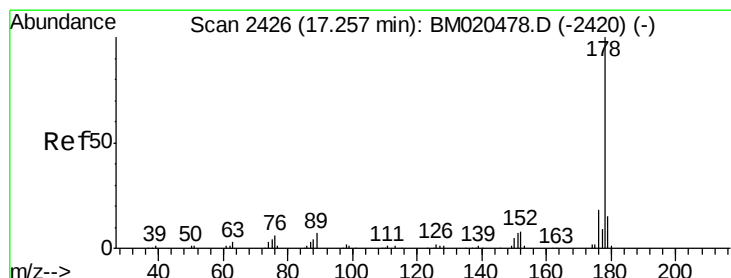
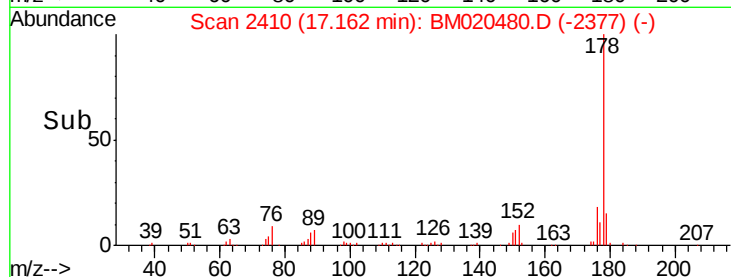
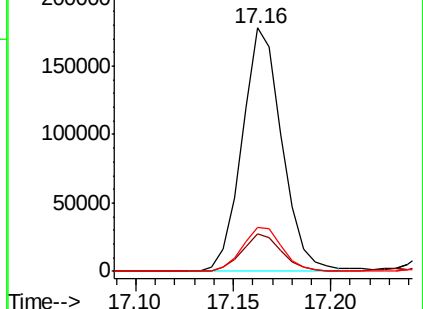
176 17.9 14.6 22.0



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



#71

Anthracene

Concen: 8.105 ng/ul

RT: 17.26 min Scan# 2426

Delta R.T. -0.00 min

Lab File: BM020480.D

Acq: 22 May 2019 03:28

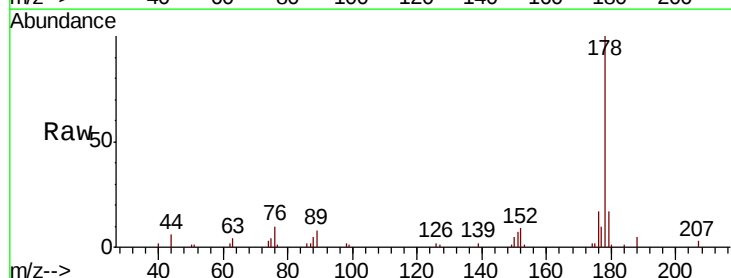
Tgt Ion:178 Resp: 39984

Ion Ratio Lower Upper

178 100

179 16.8 12.4 18.6

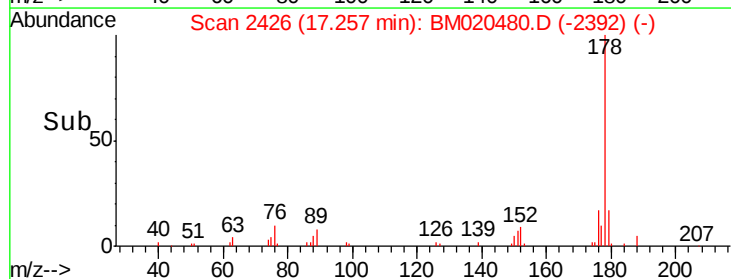
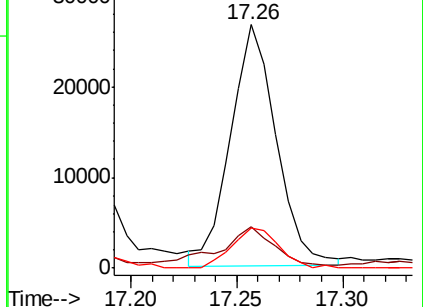
176 16.6 14.4 21.6

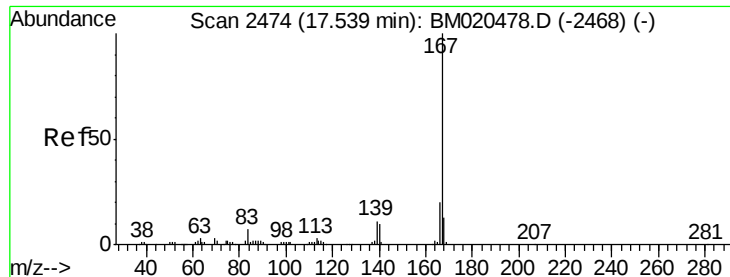


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

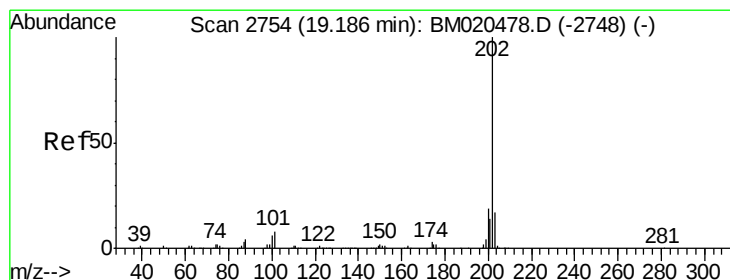
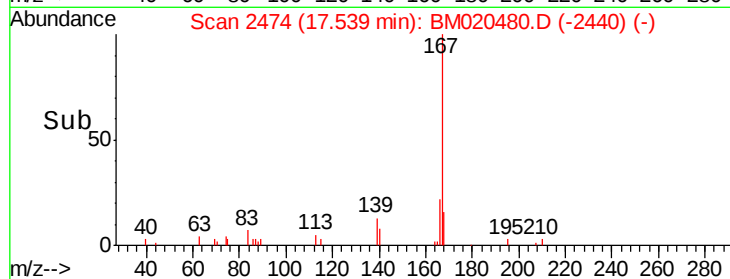
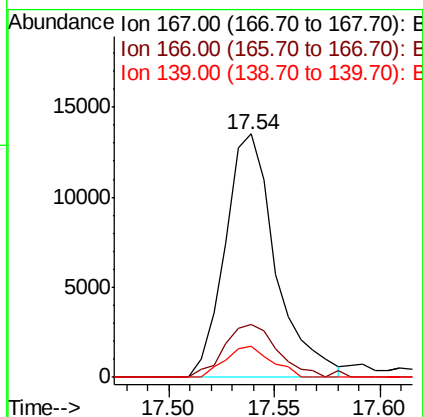
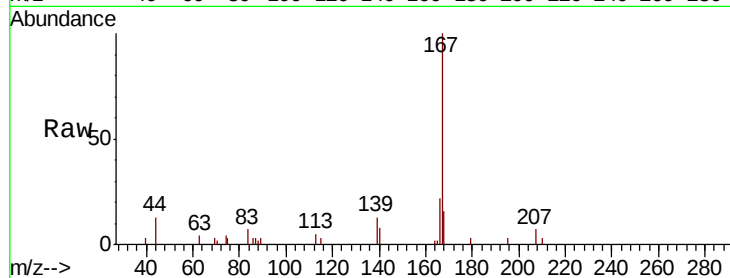




#74
 Carbazole
 Concen: 5.352 ng/ul
 RT: 17.54 min Scan# 2474
 Delta R.T. -0.00 min
 Lab File: BM020480.D
 Acq: 22 May 2019 03:28

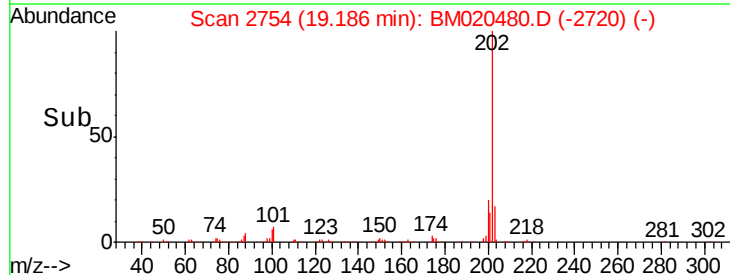
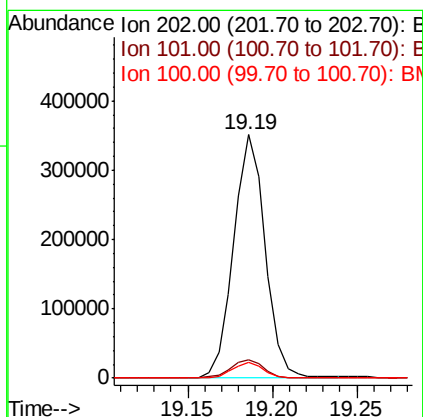
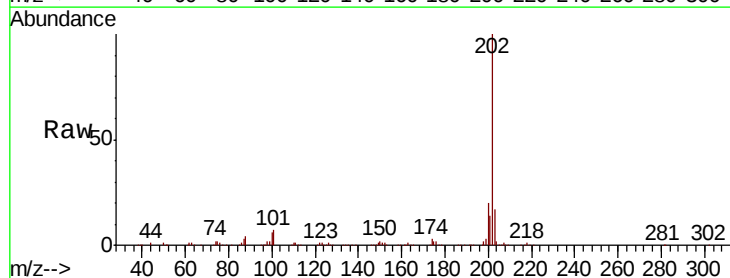
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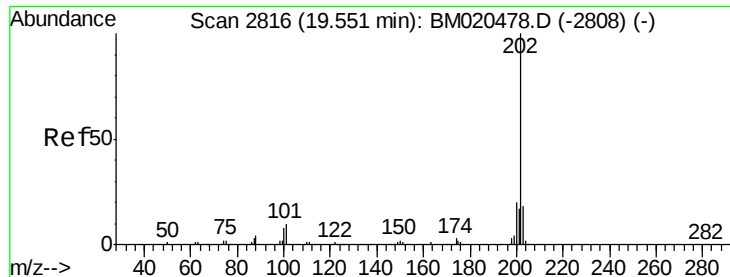
Tgt Ion:167 Resp: 22408
 Ion Ratio Lower Upper
 167 100
 166 21.9 16.6 24.8
 139 13.0 9.8 14.8



#76
 Fluoranthene
 Concen: 74.467 ng/ul
 RT: 19.19 min Scan# 2754
 Delta R.T. -0.00 min
 Lab File: BM020480.D
 Acq: 22 May 2019 03:28

Tgt Ion:202 Resp: 456176
 Ion Ratio Lower Upper
 202 100
 101 7.4 6.4 9.6
 100 6.4 5.2 7.8

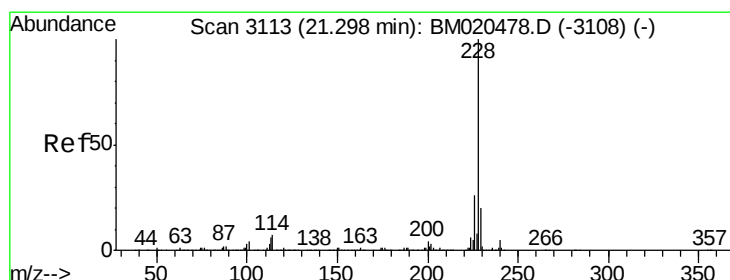
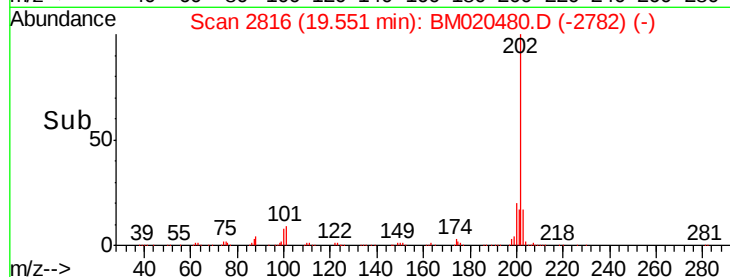
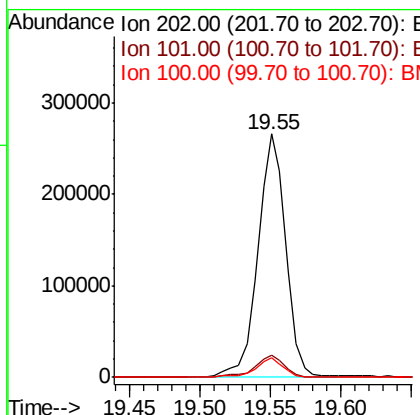
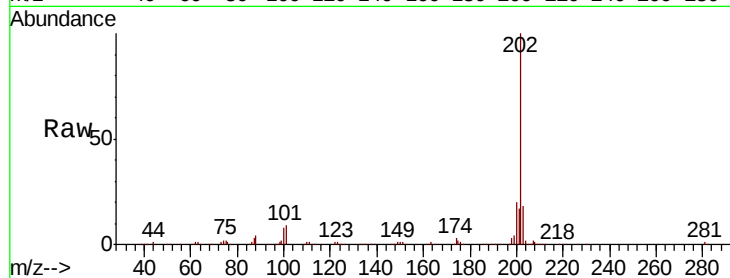




#79
 Pyrene
 Concen: 50.221 ng/ul
 RT: 19.55 min Scan# 2816
 Delta R.T. -0.00 min
 Lab File: BM020480.D
 Acq: 22 May 2019 03:28

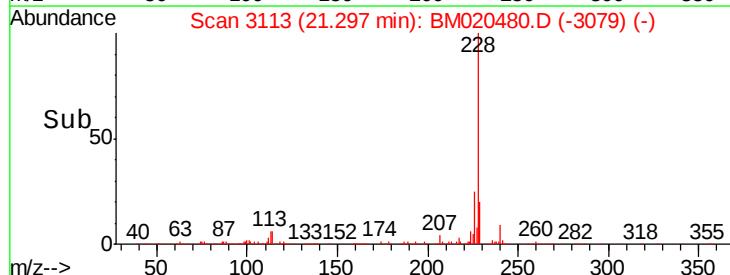
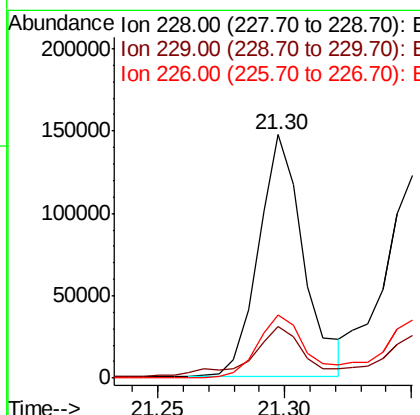
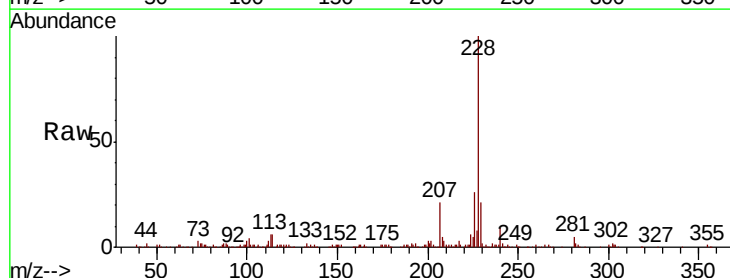
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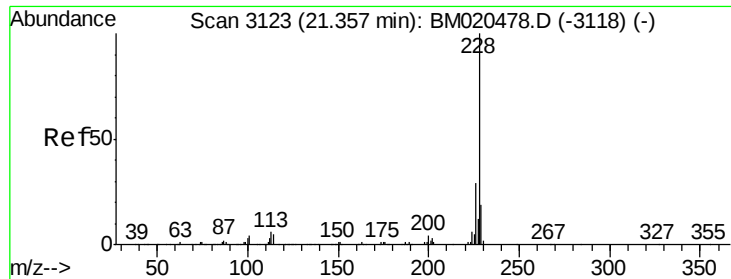
Tgt Ion:	202	Resp:	369365
Ion	Ratio	Lower	Upper
202	100		
101	8.9	7.1	10.7
100	8.3	5.9	8.9



#82
 Benzo(a)anthracene
 Concen: 24.827 ng/ul
 RT: 21.30 min Scan# 3113
 Delta R.T. -0.00 min
 Lab File: BM020480.D
 Acq: 22 May 2019 03:28

Tgt Ion:	228	Resp:	183105
Ion	Ratio	Lower	Upper
228	100		
229	20.9	15.8	23.8
226	25.8	20.6	30.8





#84

Chrysene

Concen: 24.782 ng/ul

RT: 21.35 min Scan# 3122

Delta R.T. -0.01 min

Lab File: BM020480.D

Acq: 22 May 2019 03:28

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BNA_M

ClientSampleId :

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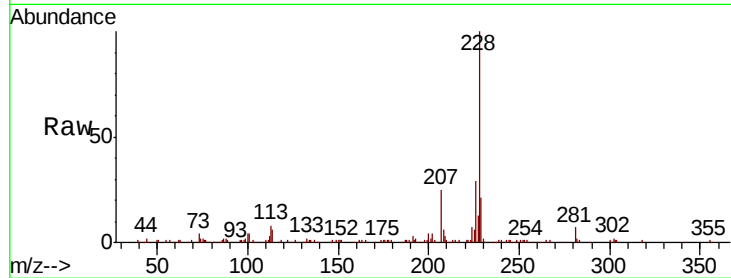
Tgt Ion:228 Resp: 174664

Ion Ratio Lower Upper

228 100

226 28.7 22.2 33.4

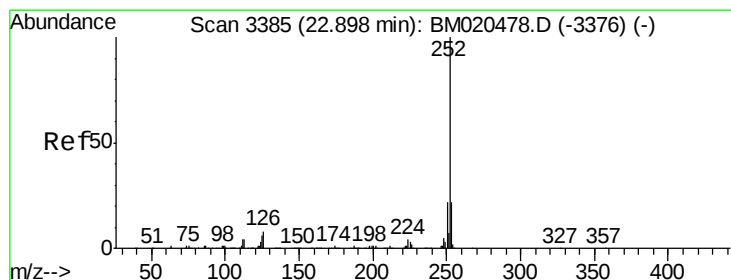
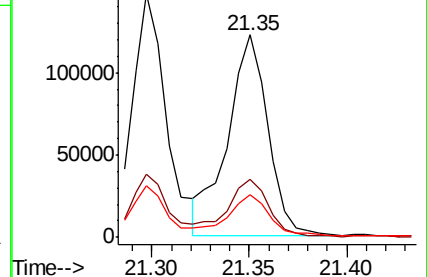
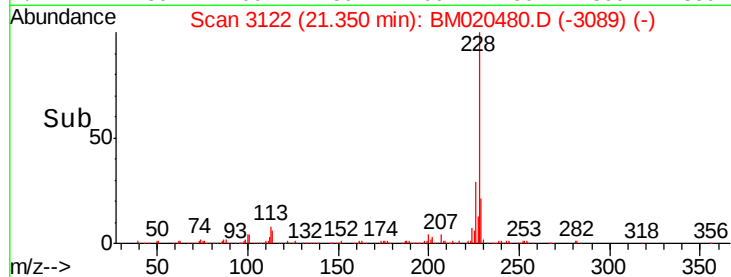
229 20.9 15.4 23.2



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



#87

Benzo(b)fluoranthene

Concen: 31.113 ng/ul

RT: 22.90 min Scan# 3385

Delta R.T. -0.00 min

Lab File: BM020480.D

Acq: 22 May 2019 03:28

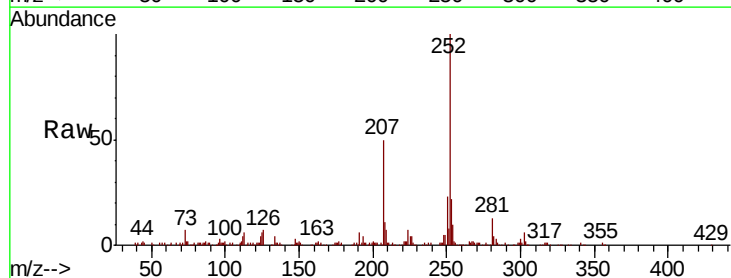
Tgt Ion:252 Resp: 249348

Ion Ratio Lower Upper

252 100

253 22.4 17.0 25.6

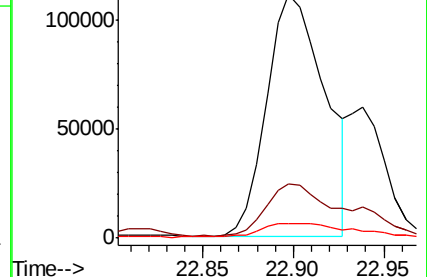
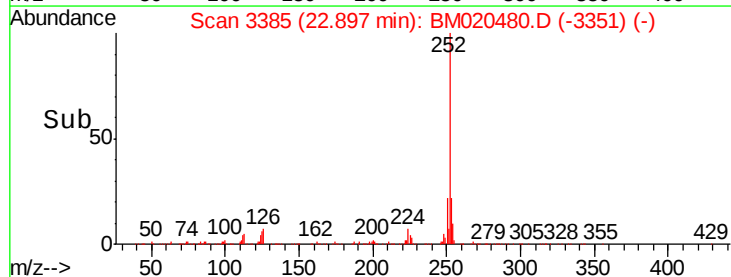
125 6.2 5.0 7.4

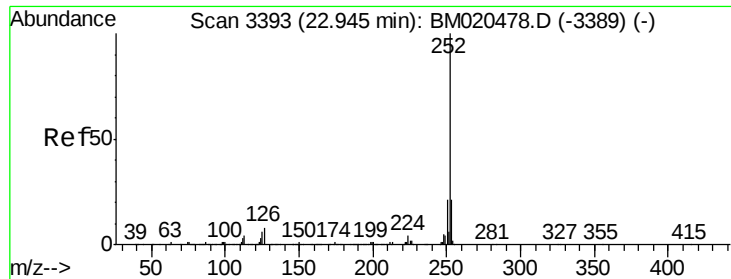


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 31.675 ng/ul

RT: 22.90 min Scan# 3385

Delta R.T. -0.05 min

Lab File: BM020480.D

Acq: 22 May 2019 03:28

Instrument :

BNA_M

ClientSampleId :

A4252DL

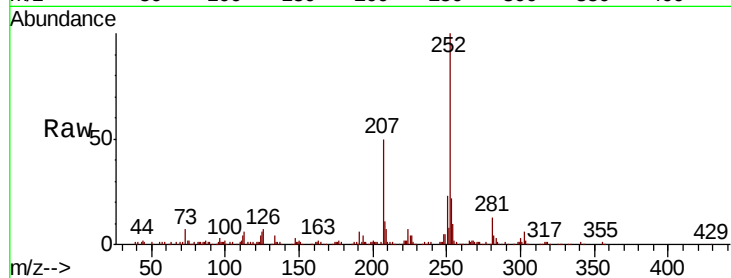
Tgt Ion:252 Resp: 249348

Ion Ratio Lower Upper

252 100

253 22.4 17.6 26.4

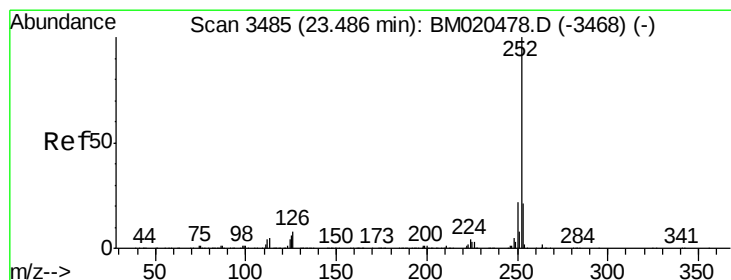
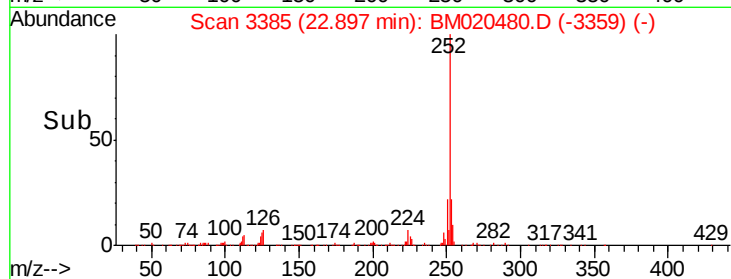
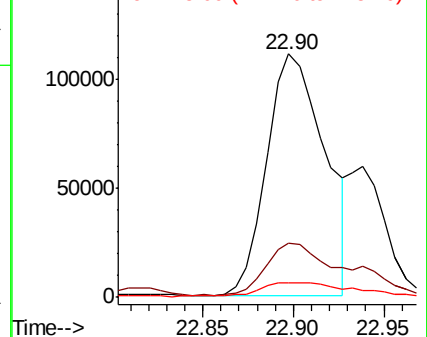
125 6.2 5.0 7.6



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



#90

Benzo(a)pyrene

Concen: 20.121 ng/ul

RT: 23.49 min Scan# 3485

Delta R.T. -0.00 min

Lab File: BM020480.D

Acq: 22 May 2019 03:28

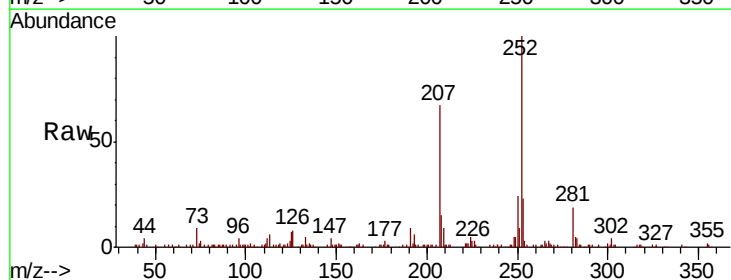
Tgt Ion:252 Resp: 151754

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.2

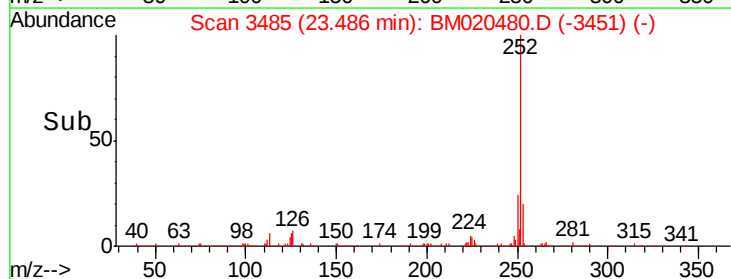
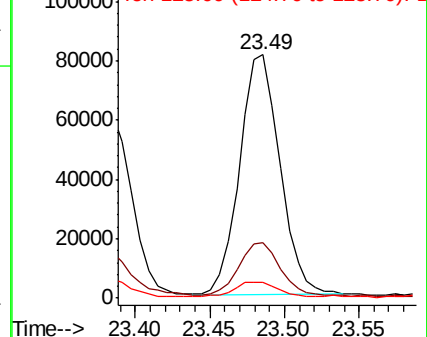
125 6.6 5.4 8.2

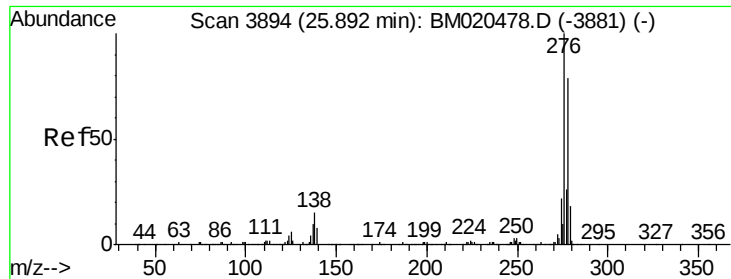


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



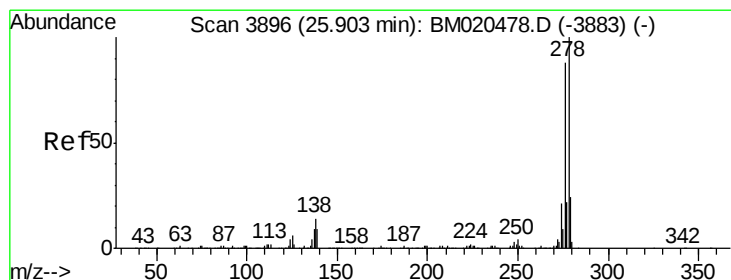
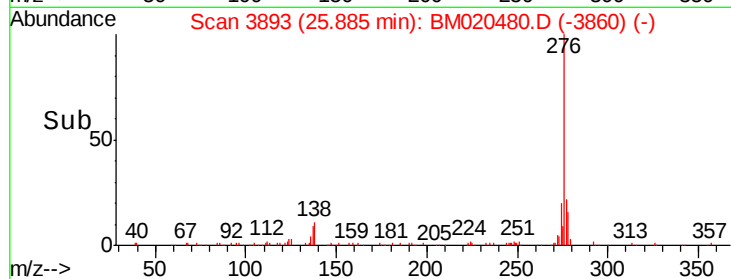
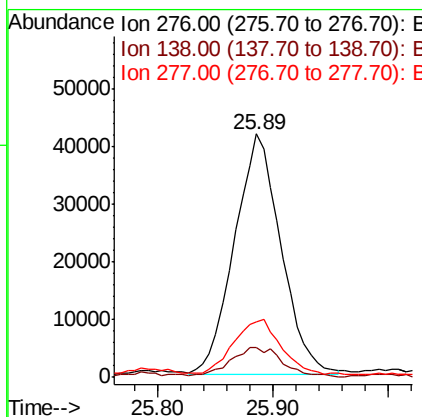
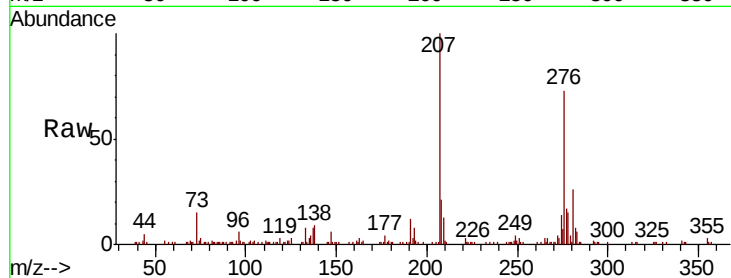


#91

Indeno(1,2,3-cd)pyrene
 Concen: 13.681 ng/ul
 RT: 25.89 min Scan# 3893
 Delta R.T. -0.01 min
 Lab File: BM020480.D
 Acq: 22 May 2019 03:28

Instrument :
 BNA_M
 ClientSampled :
 A4252DL

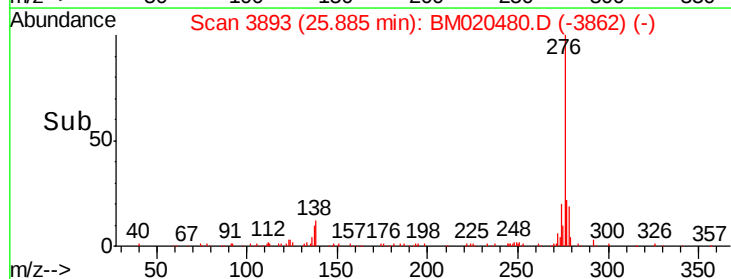
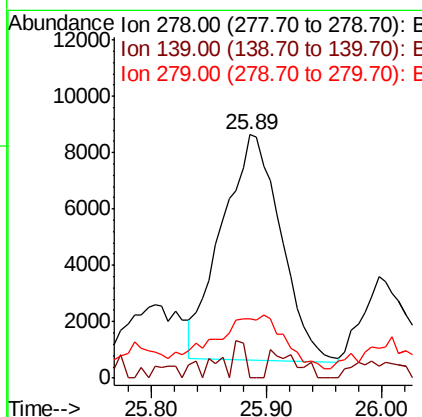
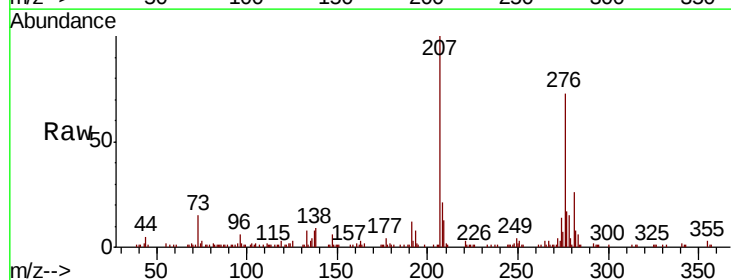
Tgt Ion	Ratio	Lower	Upper
276	100		
138	12.3	12.3	18.5#
277	22.6	20.0	30.0

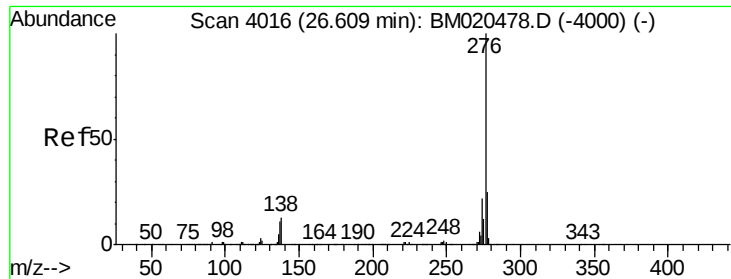


#92

Dibenzo(a,h)anthracene
 Concen: 3.872 ng/ul
 RT: 25.89 min Scan# 3893
 Delta R.T. -0.02 min
 Lab File: BM020480.D
 Acq: 22 May 2019 03:28

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	8.1	12.1#
279	24.4	18.7	28.1





#93

Benzo(g,h,i)perylene

Concen: 13.577 ng/ul

RT: 26.60 min Scan# 4014

Delta R.T. -0.01 min

Lab File: BM020480.D

Acq: 22 May 2019 03:28

Instrument :

BNA_M

ClientSampleId :

A4252DL

Tgt Ion:276 Resp: 96588

Ion Ratio Lower Upper

276 100

138 12.6 10.0 15.0

277 23.0 18.2 27.4

