

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052219\
 Data File : BM020510.D
 Acq On : 23 May 2019 10:30
 Operator : JU/SJ
 Sample : K2927-03DL 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4294DL

Quant Time: May 23 11:12:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 23 07:52:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	46889	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	171395	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.33	164	103020	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	258107	20.00	ng/ul	0.00
77) Chrysene-d12	21.29	240	282257	20.00	ng/ul	0.00
85) Perylene-d12	23.53	264	327855	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	4219	3.32	ng/uL	0.00
5) Phenol-d5	6.85	99	57926	15.49	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	7.02	67	37418	15.74	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	43649	15.91	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	37750	13.86	ng/ul	0.00
19) Nitrobenzene-d5	8.85	128	19063	17.09	ng/ul	0.00
22) 2-Nitrophenol-d4	9.56	143	21691	17.64	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	45372	17.45	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	25810	9.61	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	138332	18.66	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	168429	18.17	ng/ul	0.00
51) 4-Nitrophenol-d4	14.57	143	7294	6.78	ng/ul	0.00
57) Fluorene-d10	15.33	176	123880	18.79	ng/ul	-0.01
62) 4,6-Dinitro-2-methylphenol	15.47	200	8462	5.76	ng/ul	-0.01
70) Anthracene-d10	17.19	188	201751	18.22	ng/ul	0.00
78) Pyrene-d10	19.49	212	246744	18.15	ng/ul	-0.01
89) Benzo(a)pyrene-d12	23.39	264	268612	18.03	ng/ul	0.00

Target Compounds

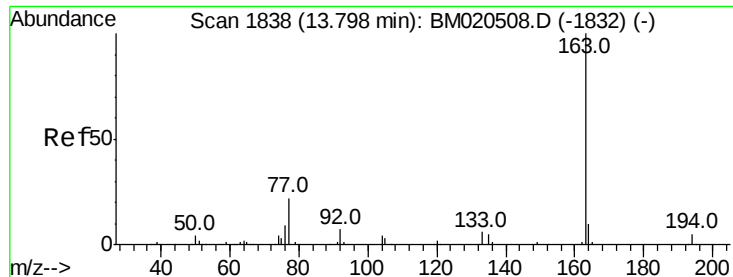
					Ovalue
44) Dimethylphthalate	13.79	163	48393	6.600	ng/ul 99
47) Acenaphthylene	14.06	152	88408	10.112	ng/ul 99
49) Acenaphthene	14.39	153	15592	2.594	ng/ul 96
53) Dibenzofuran	14.73	168	27207	2.989	ng/ul 96
58) Fluorene	15.39	166	40883	5.607	ng/ul 99
69) Phenanthrene	17.13	178	679862	55.282	ng/ul 99
71) Anthracene	17.22	178	172066	13.754	ng/ul 99
74) Carbazole	17.50	167	29642	2.792	ng/ul 97
76) Fluoranthene	19.16	202	1233088	79.375	ng/ul 97
79) Pyrene	19.52	202	1052409	62.120	ng/ul 99
82) Benzo(a)anthracene	21.27	228	629681	37.065	ng/ul 98
83) Bis(2-ethylhexyl)phthalate	21.19	149	15672	2.033	ng/ul 96
84) Chrysene	21.32	228	535002	32.953	ng/ul 95
87) Benzo(b)fluoranthene	22.86	252	702575	37.548	ng/ul 98
88) Benzo(k)fluoranthene	22.90	252	280084	15.239	ng/ul 97
90) Benzo(a)pyrene	23.44	252	541319	30.741	ng/ul 98
91) Indeno(1,2,3-cd)pyrene	25.81	276	369635	18.422	ng/ul# 95
92) Dibenzo(a,h)anthracene	25.81	278	101091	5.892	ng/ul# 85
93) Benzo(g,h,i)perylene	26.52	276	274557	16.530	ng/ul 96

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

```

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052219\
Data File : BM020510.D
Acq On    : 23 May 2019  10:30
Operator  : JU/SJ
Sample    : K2927-03DL 2X
Misc      :
ALS Vial  : 15      Sample Multiplier: 1

```



#44

Dimethylphthalate

Concen: 6.600 ng/ul

RT: 13.79 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BM020510.D

Acq: 23 May 2019 10:30

Instrument :

BNA_M

ClientSampleId :

A4294DL

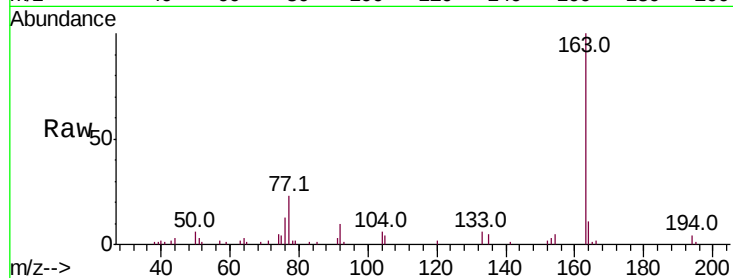
Tot Ion:163 Resp: 48393

Ion Ratio Lower Upper

163 100

194 3.9 3.3 4.9

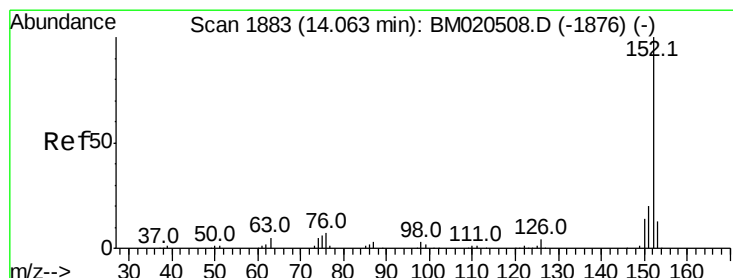
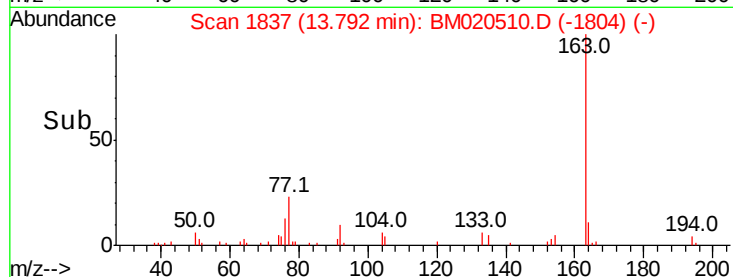
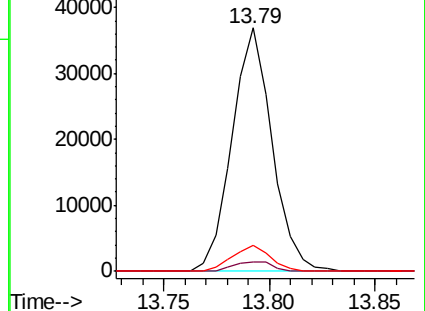
164 10.5 8.0 12.0



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



#47

Acenaphthylene

Concen: 10.112 ng/ul

RT: 14.06 min Scan# 1882

Delta R.T. -0.01 min

Lab File: BM020510.D

Acq: 23 May 2019 10:30

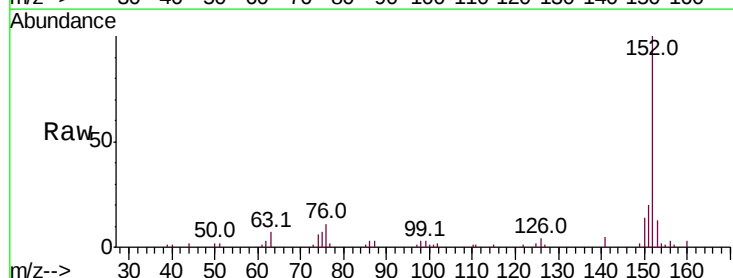
Tgt Ion:152 Resp: 88408

Ion Ratio Lower Upper

152 100

151 19.9 15.4 23.0

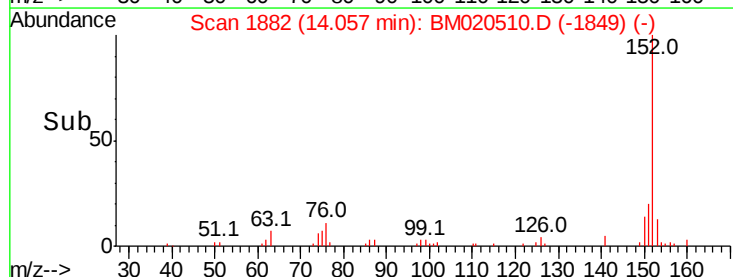
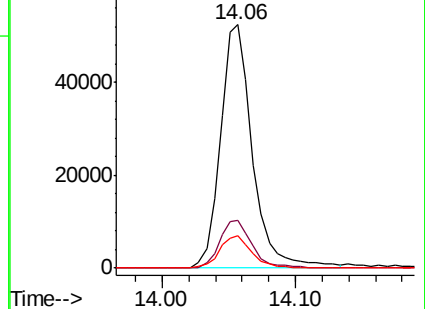
153 13.5 10.3 15.5

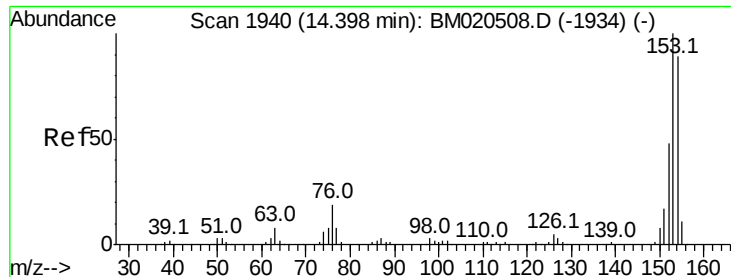


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 2.594 ng/ul

RT: 14.39 min Scan# 1939

Delta R.T. -0.01 min

Lab File: BM020510.D

Acq: 23 May 2019 10:30

Instrument :

BNA_M

ClientSampleID :

A4294DL

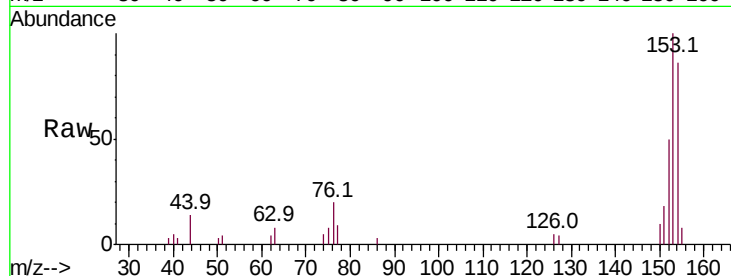
Tot Ion:153 Resp: 15592

Ion Ratio Lower Upper

153 100

152 50.4 37.9 56.9

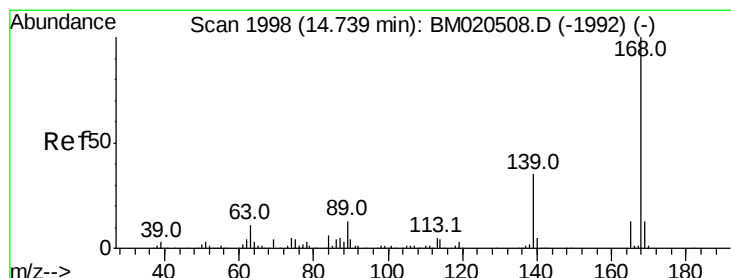
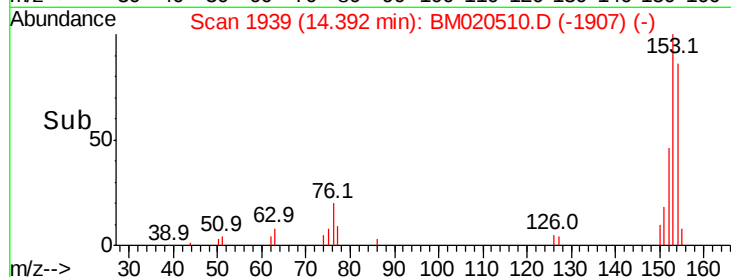
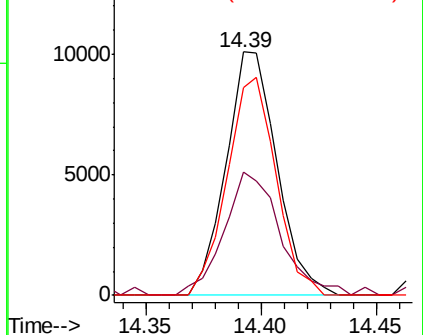
154 85.5 71.2 106.8



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

Dibenzofuran

Concen: 2.989 ng/ul

RT: 14.73 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BM020510.D

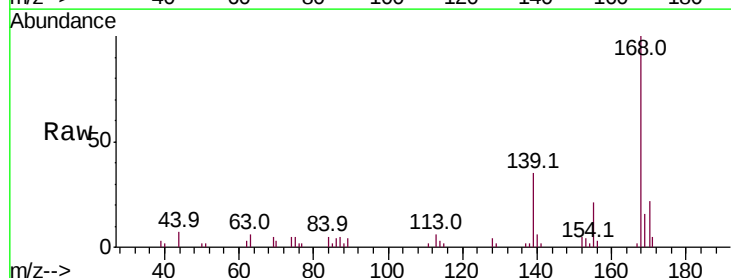
Acq: 23 May 2019 10:30

Tgt Ion:168 Resp: 27207

Ion Ratio Lower Upper

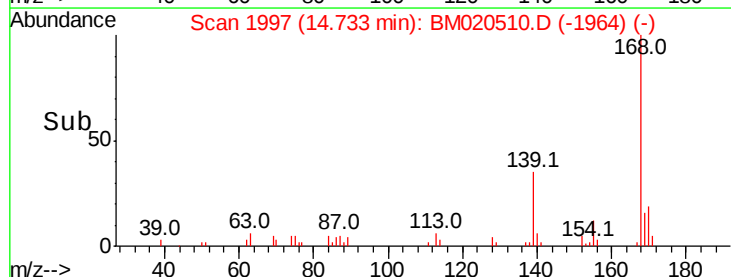
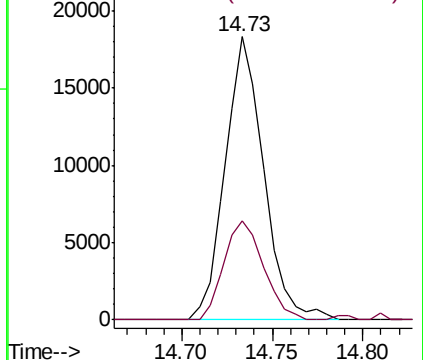
168 100

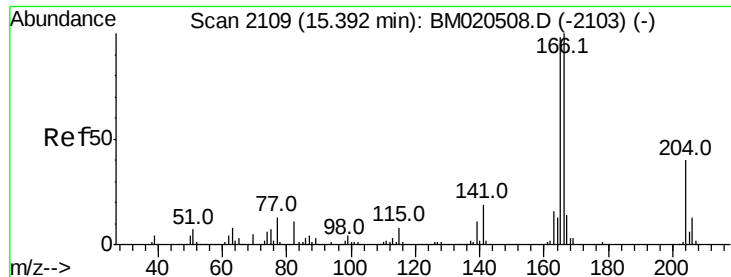
139 34.9 30.1 45.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

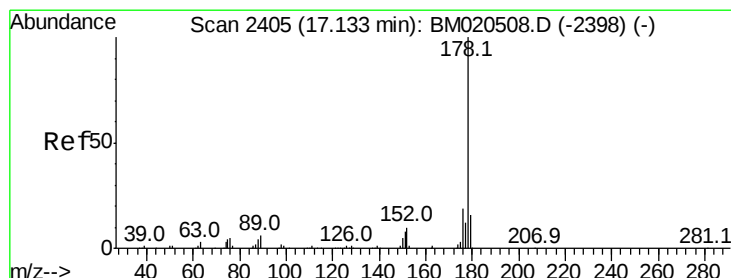
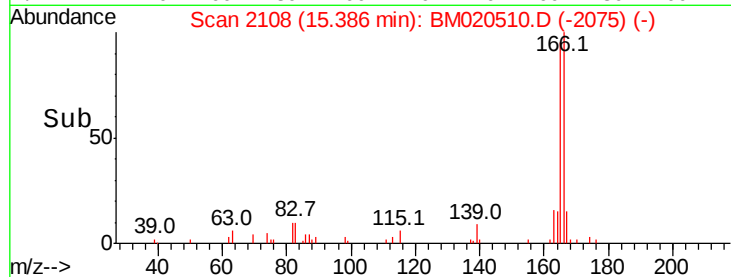
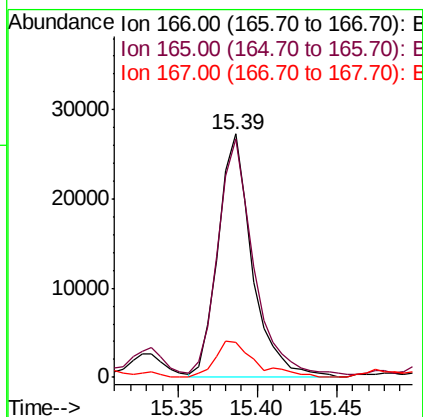
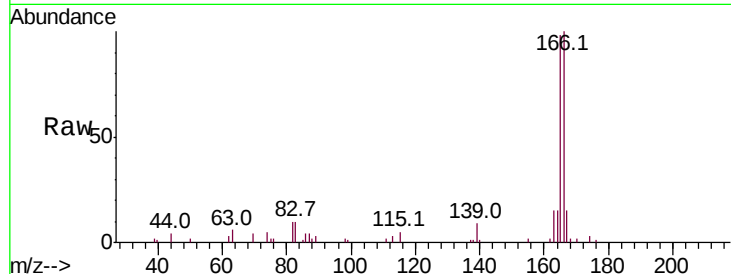




#58
 Fluorene
 Concen: 5.607 ng/ul
 RT: 15.39 min Scan# 2108
 Delta R.T. -0.01 min
 Lab File: BM020510.D
 Acq: 23 May 2019 10:30

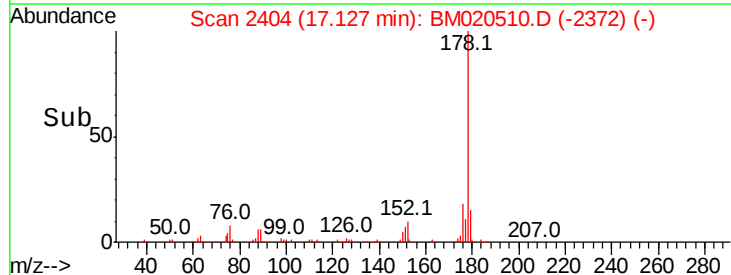
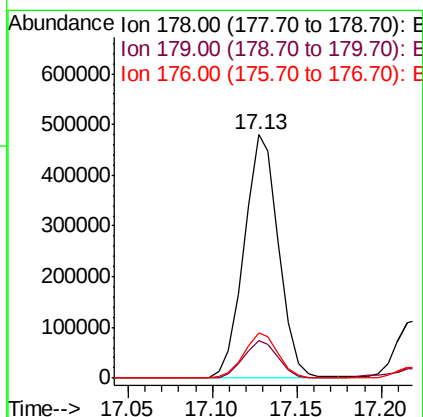
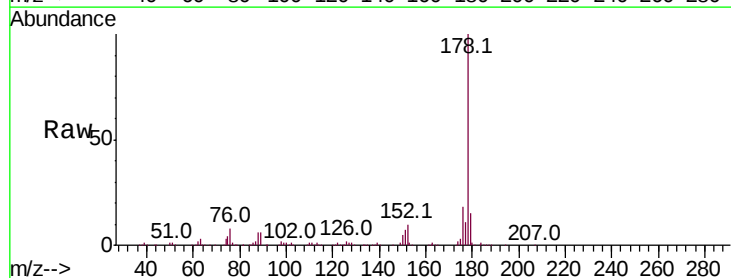
Instrument :
 BNA_M
 ClientSampleId :
 A4294DL

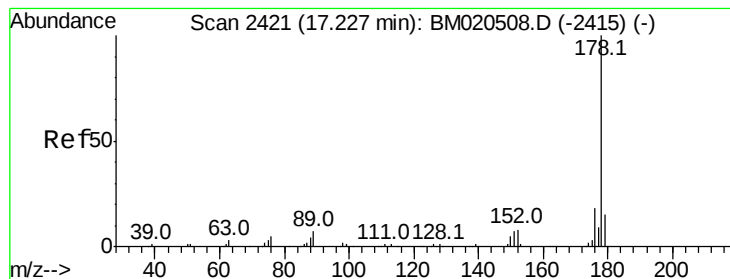
Tot Ion:166 Resp: 40883
 Ion Ratio Lower Upper
 166 100
 165 97.7 77.1 115.7
 167 14.6 11.1 16.7



#69
 Phenanthrene
 Concen: 55.282 ng/ul
 RT: 17.13 min Scan# 2404
 Delta R.T. -0.01 min
 Lab File: BM020510.D
 Acq: 23 May 2019 10:30

Tgt Ion:178 Resp: 679862
 Ion Ratio Lower Upper
 178 100
 179 15.5 11.9 17.9
 176 18.3 14.6 22.0





#71

Anthracene

Concen: 13.754 ng/ul

RT: 17.22 min Scan# 2420

Delta R.T. -0.01 min

Lab File: BM020510.D

Acq: 23 May 2019 10:30

Instrument :

BNA_M

ClientSampleId :

A4294DL

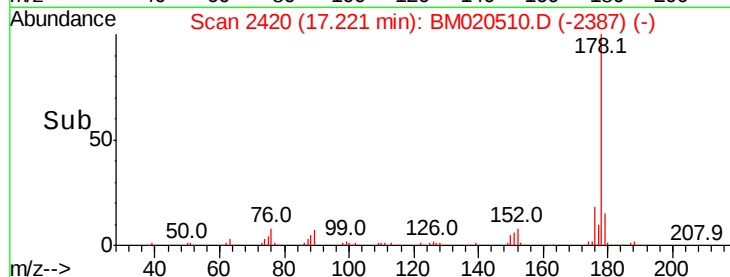
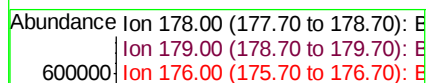
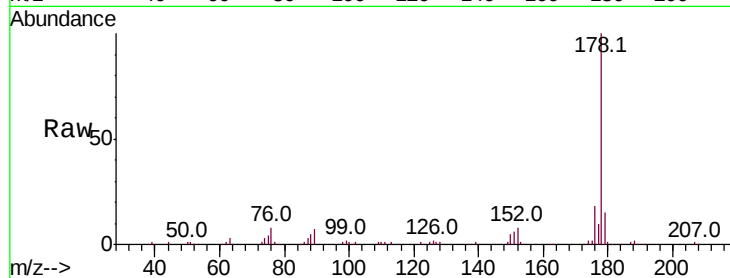
Tot Ion:178 Resp: 172066

Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.4	18.6
176	17.7	14.4	21.6

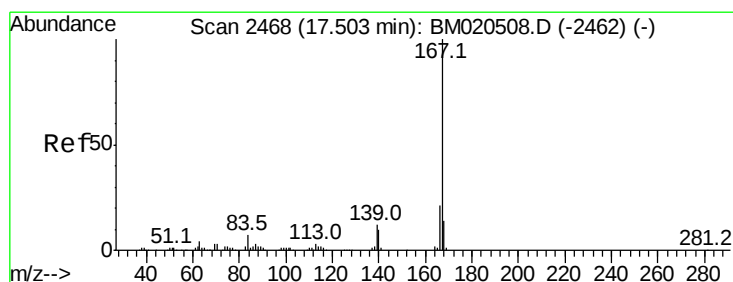
178 100

179 15.2 12.4 18.6

176 17.7 14.4 21.6



Time-->



#74

Carbazole

Concen: 2.792 ng/ul

RT: 17.50 min Scan# 2467

Delta R.T. -0.01 min

Lab File: BM020510.D

Acq: 23 May 2019 10:30

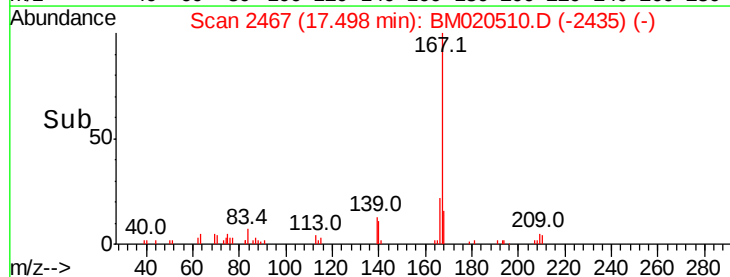
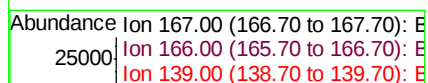
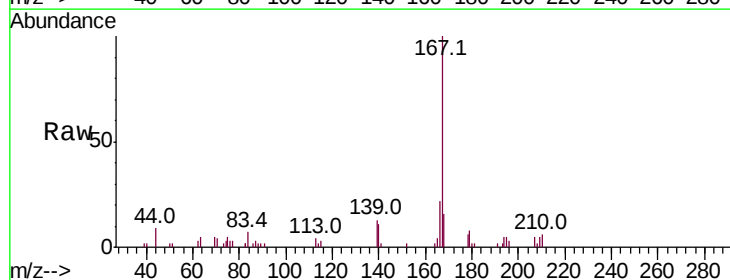
Tgt Ion:167 Resp: 29642

Ion	Ratio	Lower	Upper
167	100		
166	22.5	16.6	24.8
139	13.0	9.8	14.8

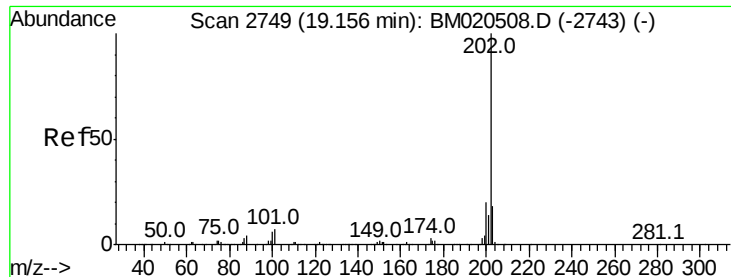
167 100

166 22.5 16.6 24.8

139 13.0 9.8 14.8



Time-->



#76

Fluoranthene

Concen: 79.375 ng/ul

RT: 19.16 min Scan# 2749

Delta R.T. -0.00 min

Lab File: BM020510.D

Acq: 23 May 2019 10:30

Instrument :

BNA_M

ClientSampleId :

A4294DL

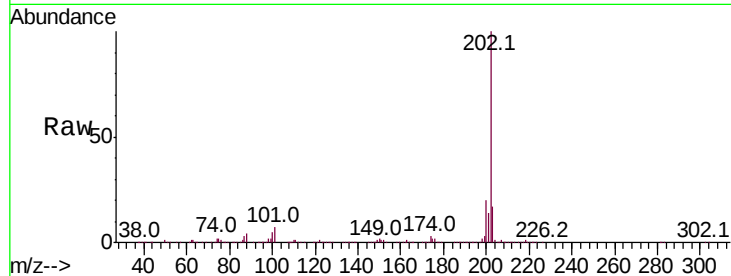
Tot Ion:202 Resp: 1233088

Ion Ratio Lower Upper

202 100

101 7.0 6.4 9.6

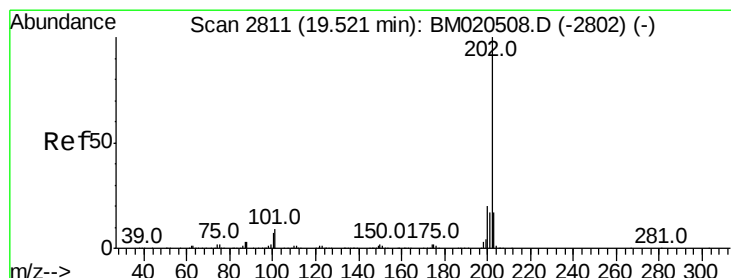
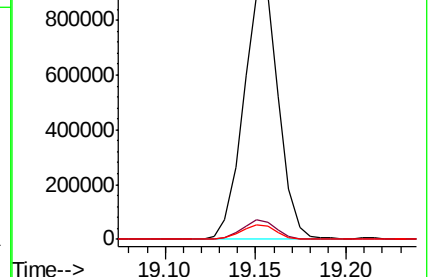
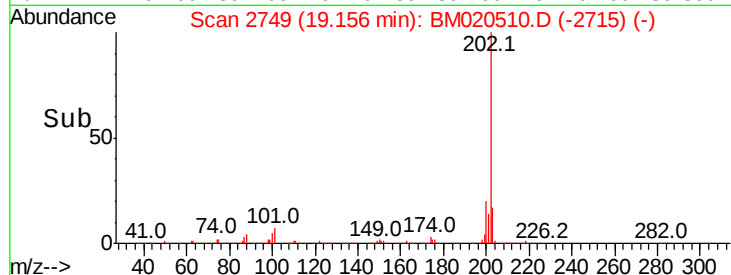
100 5.5 5.2 7.8



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



#79

Pyrene

Concen: 62.120 ng/ul

RT: 19.52 min Scan# 2811

Delta R.T. -0.01 min

Lab File: BM020510.D

Acq: 23 May 2019 10:30

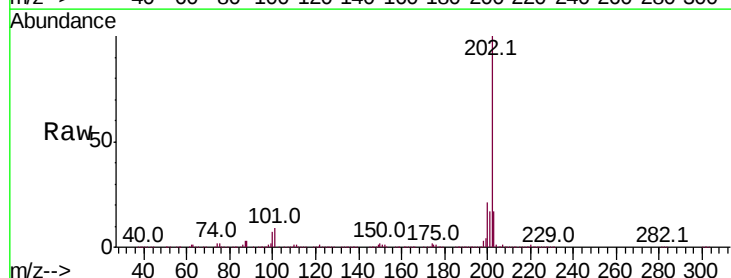
Tgt Ion:202 Resp: 1052409

Ion Ratio Lower Upper

202 100

101 8.5 7.1 10.7

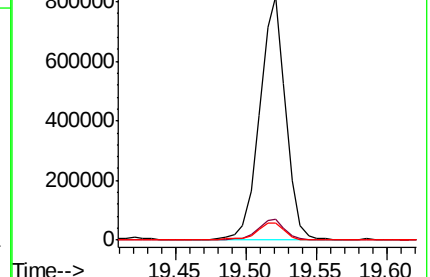
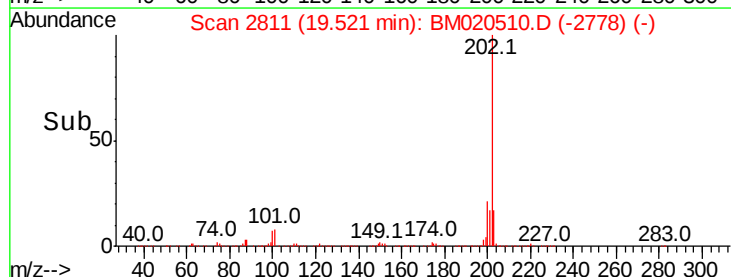
100 7.3 5.9 8.9

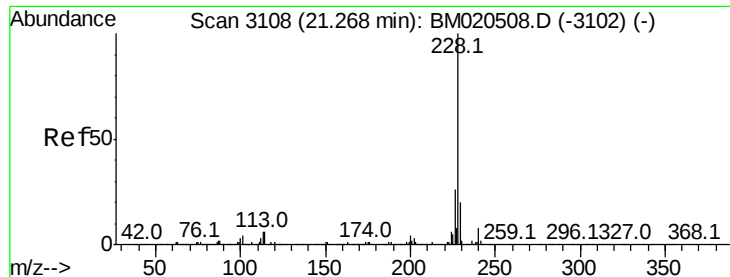


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 37.065 ng/ul

RT: 21.27 min Scan# 3108

Delta R.T. -0.01 min

Lab File: BM020510.D

Acq: 23 May 2019 10:30

Instrument :

BNA_M

ClientSampleId :

A4294DL

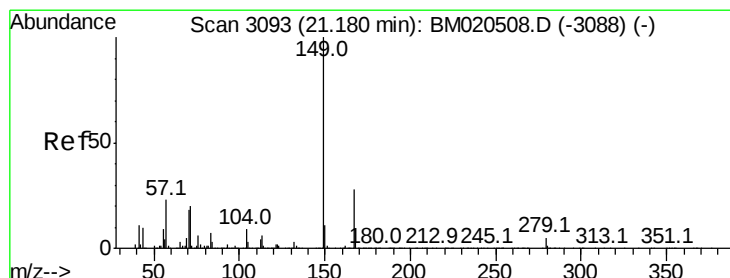
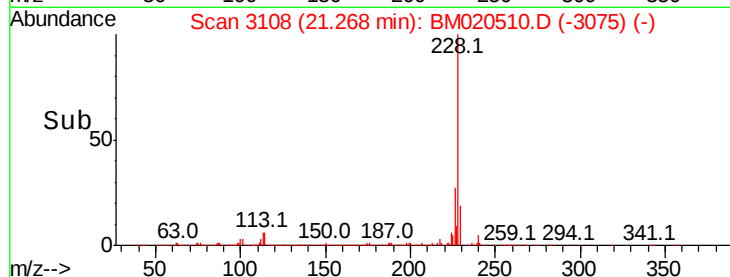
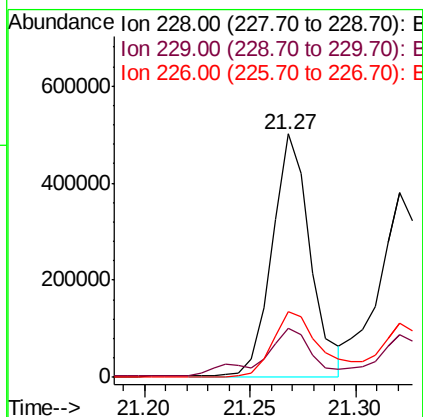
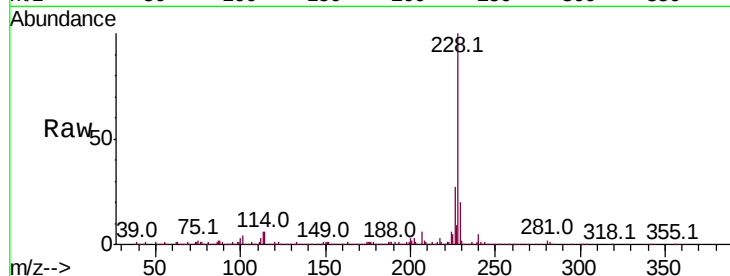
Tot Ion:228 Resp: 629681

Ion	Ratio	Lower	Upper
228	100		
229	20.3	15.8	23.8
226	27.1	20.6	30.8

228 100

229 20.3 15.8 23.8

226 27.1 20.6 30.8



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.033 ng/ul

RT: 21.19 min Scan# 3094

Delta R.T. -0.00 min

Lab File: BM020510.D

Acq: 23 May 2019 10:30

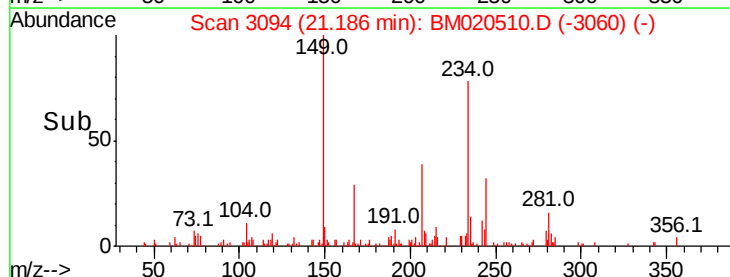
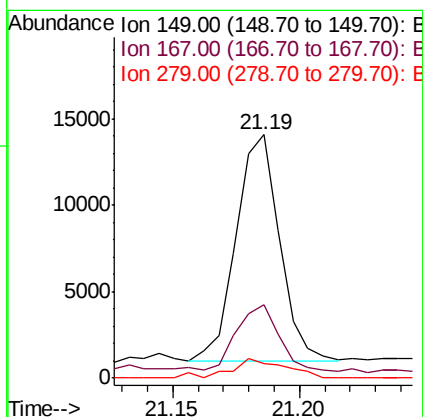
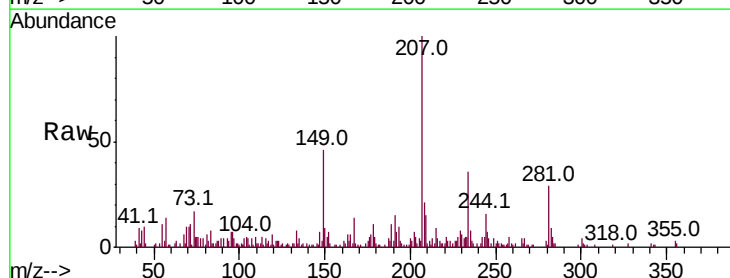
Tgt Ion:149 Resp: 15672

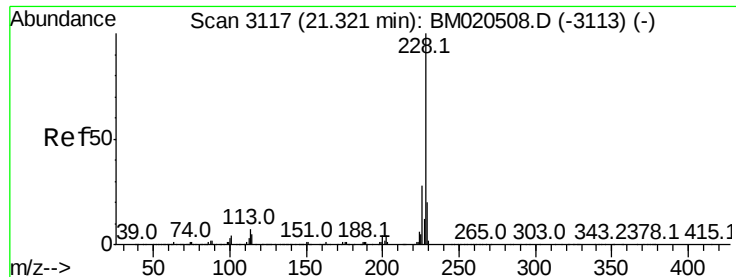
Ion	Ratio	Lower	Upper
149	100		
167	30.4	22.5	33.7
279	6.1	4.2	6.2

149 100

167 30.4 22.5 33.7

279 6.1 4.2 6.2





#84

Chrysene

Concen: 32.953 ng/ul

RT: 21.32 min Scan# 3117

Delta R.T. -0.01 min

Lab File: BM020510.D

Acq: 23 May 2019 10:30

Instrument :

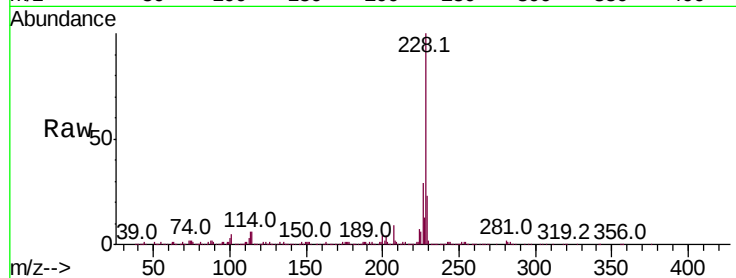
BNA_M

ClientSampleId :

A4294DL

Tot Ion:228 Resp: 535002

Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.2	33.4
229	22.7	15.4	23.2

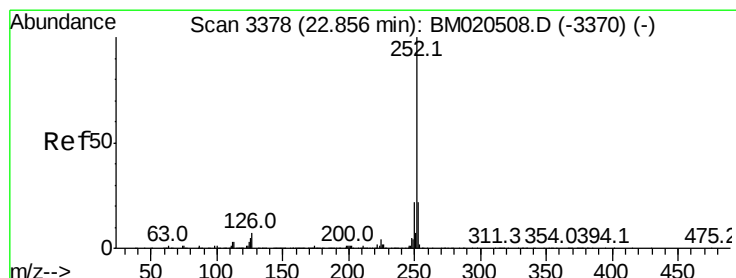
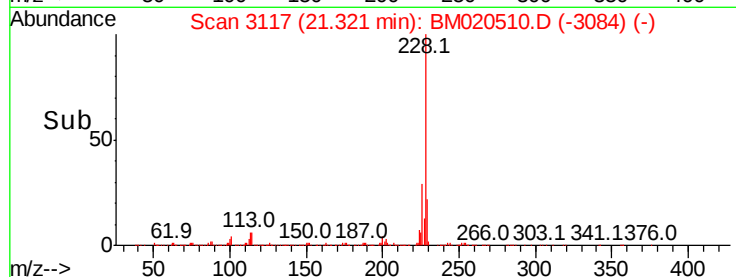
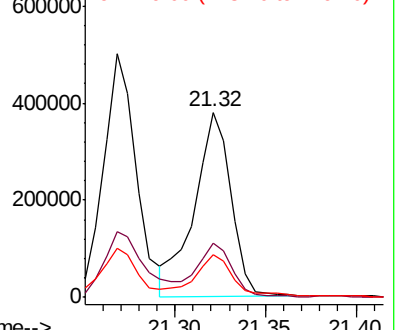


Abundance

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: 37.548 ng/ul

RT: 22.86 min Scan# 3378

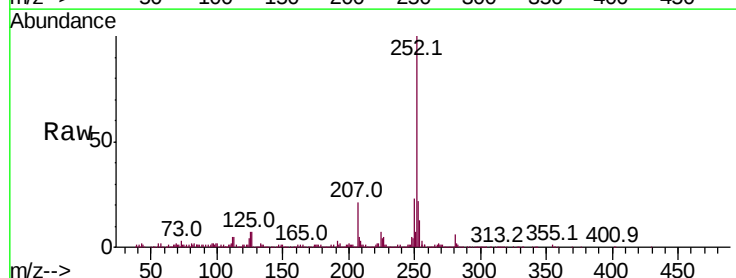
Delta R.T. -0.01 min

Lab File: BM020510.D

Acq: 23 May 2019 10:30

Tgt Ion:252 Resp: 702575

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.6
125	6.7	5.0	7.4

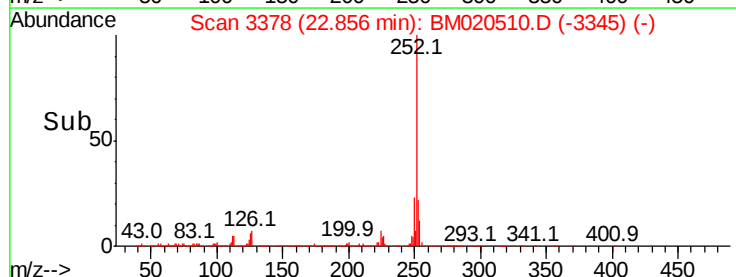
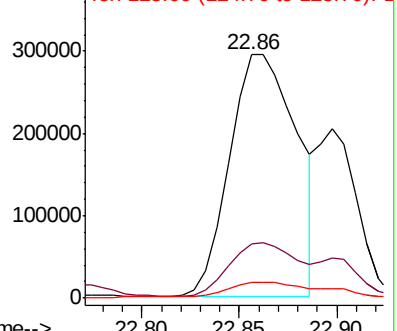


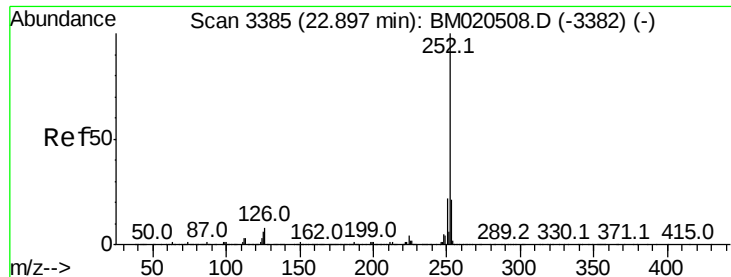
Abundance

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: 15.239 ng/ul

RT: 22.90 min Scan# 3385

Delta R.T. -0.01 min

Lab File: BM020510.D

Acq: 23 May 2019 10:30

Instrument :

BNA_M

ClientSampleId :

A4294DL

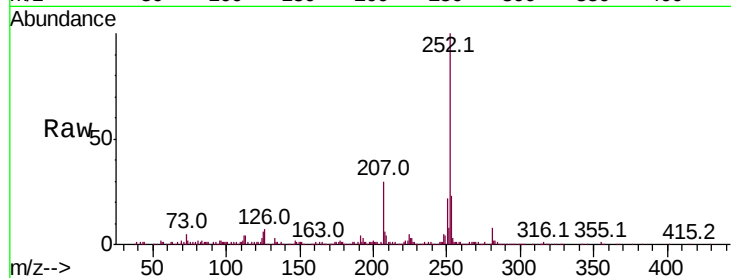
Tot Ion:252 Resp: 280084

Ion Ratio Lower Upper

252 100

253 23.4 17.6 26.4

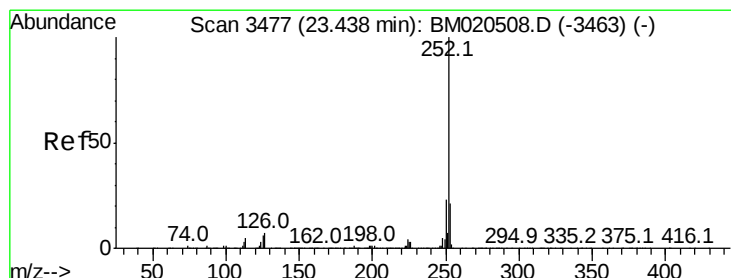
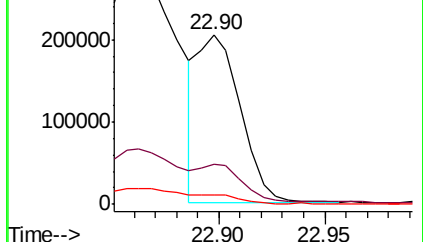
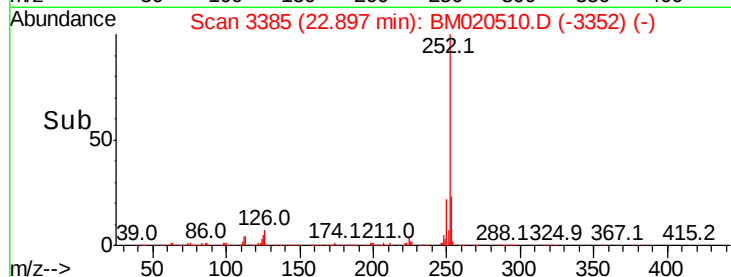
125 5.9 5.0 7.6



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: 30.741 ng/ul

RT: 23.44 min Scan# 3477

Delta R.T. -0.01 min

Lab File: BM020510.D

Acq: 23 May 2019 10:30

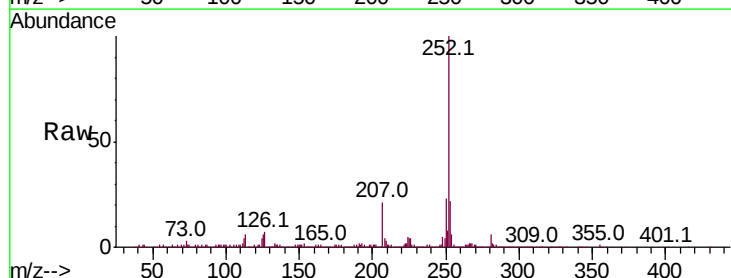
Tgt Ion:252 Resp: 541319

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.2

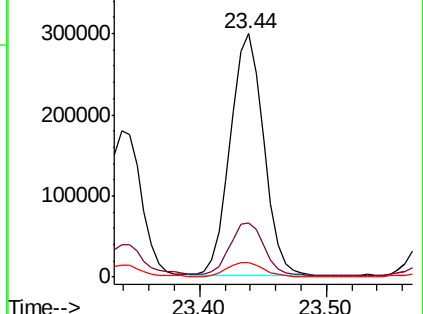
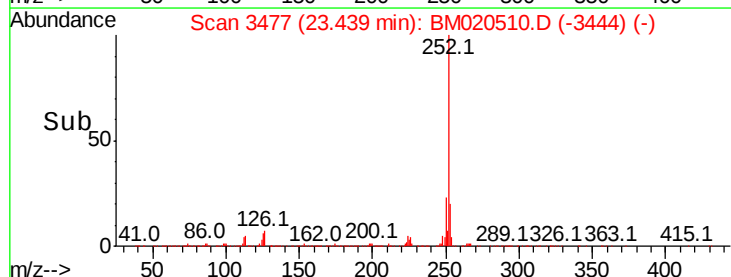
125 6.0 5.4 8.2

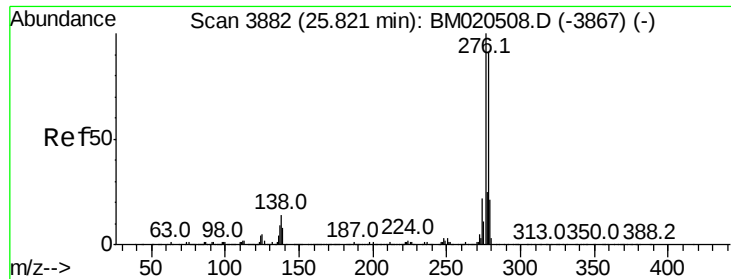


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



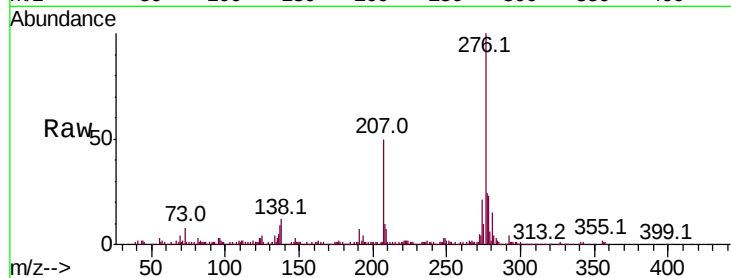


#91

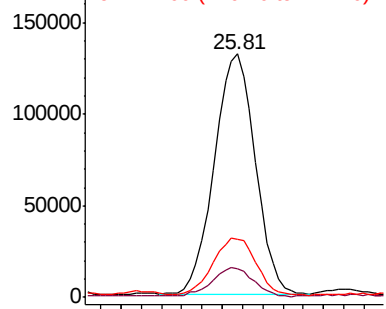
Indeno(1,2,3-cd)pyrene
 Concen: 18.422 ng/ul
 RT: 25.81 min Scan# 3881
 Delta R.T. -0.02 min
 Lab File: BM020510.D
 Acq: 23 May 2019 10:30

Instrument :
 BNA_M
 ClientSampleId :
 A4294DL

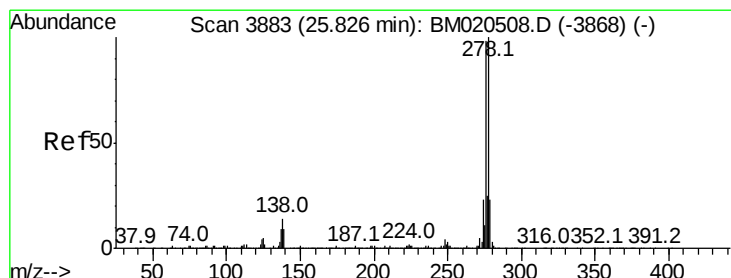
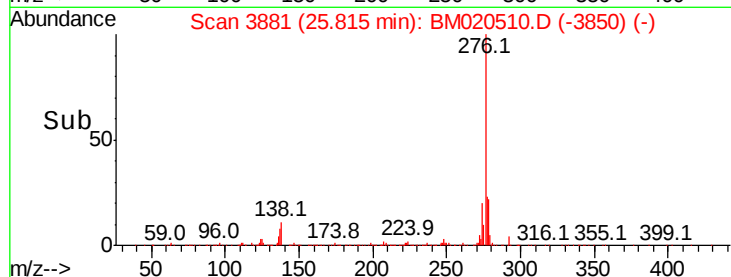
Tot Ion	Ratio	Lower	Upper
276	100		
138	11.7	12.3	18.5#
277	23.8	20.0	30.0



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



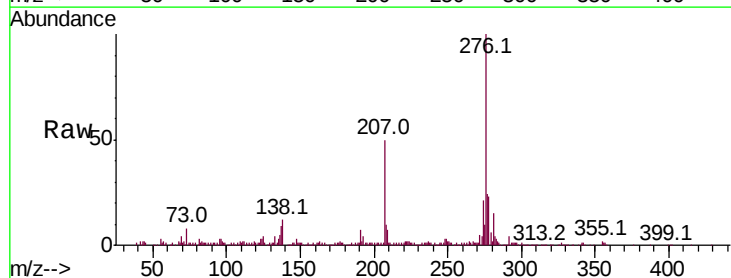
Time-->



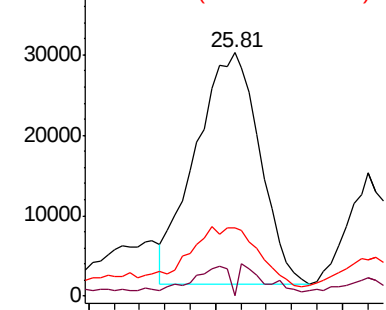
#92

Dibenzo(a,h)anthracene
 Concen: 5.892 ng/ul
 RT: 25.81 min Scan# 3881
 Delta R.T. -0.02 min
 Lab File: BM020510.D
 Acq: 23 May 2019 10:30

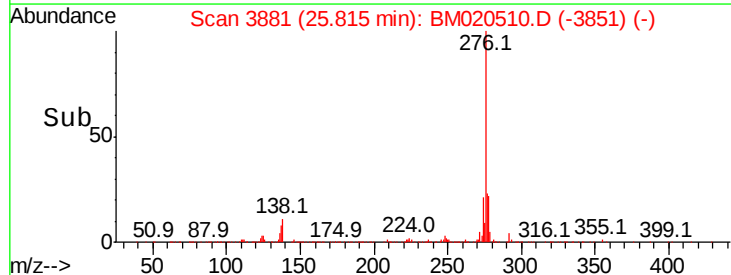
Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	8.1	12.1#
279	27.8	18.7	28.1

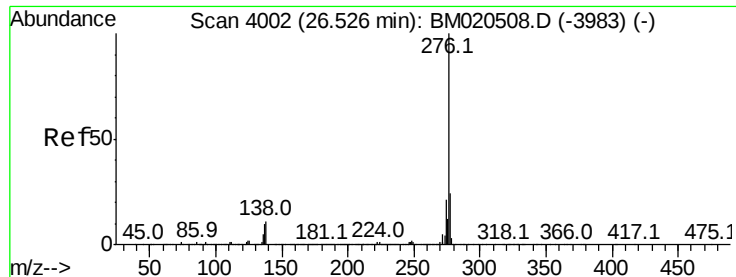


Abundance Ion 278.00 (277.70 to 278.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 279.00 (278.70 to 279.70): E



Time-->





#93

Benzo(a,h,i)perylene

Concen: 16.530 ng/ul

RT: 26.52 min Scan# 4001

Delta R.T. -0.01 min

Lab File: BM020510.D

Acq: 23 May 2019 10:30

Instrument :

BNA_M

ClientSampleId :

A4294DL

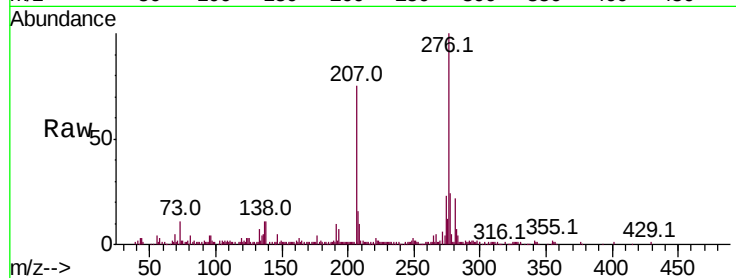
Tot Ion:276 Resp: 274557

Ion Ratio Lower Upper

276 100

138 10.9 10.0 15.0

277 24.5 18.2 27.4



Abundance Ion 276.00 (275.70 to 276.70): E

120000 Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

