

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061620\
 Data File : BM026422.D
 Acq On : 16 Jun 2020 21:06
 Operator : JU/CG
 Sample : L3013-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 V-210

Quant Time: Jun 17 01:16:21 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM060520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 16 10:23:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	120730	20.00	ng	0.00
21) Naphthalene-d8	10.16	136	479381	20.00	ng	0.00
39) Acenaphthene-d10	14.05	164	276287	20.00	ng	0.00
64) Phenanthrene-d10	16.81	188	568510	20.00	ng	0.00
76) Chrysene-d12	21.02	240	573650	20.00	ng	0.00
86) Perylene-d12	23.10	264	637360	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.04	112	612389	89.68	ng	0.00
7) Phenol-d6	6.61	99	861211	87.10	ng	0.00
23) Nitrobenzene-d5	8.55	82	599319	61.38	ng	0.00
42) 2,4,6-Tribromophenol	15.56	330	310800	92.86	ng	0.00
45) 2-Fluorobiphenyl	12.66	172	1200750	65.97	ng	0.00
79) Terphenyl-d14	19.46	244	1798836	60.87	ng	0.00

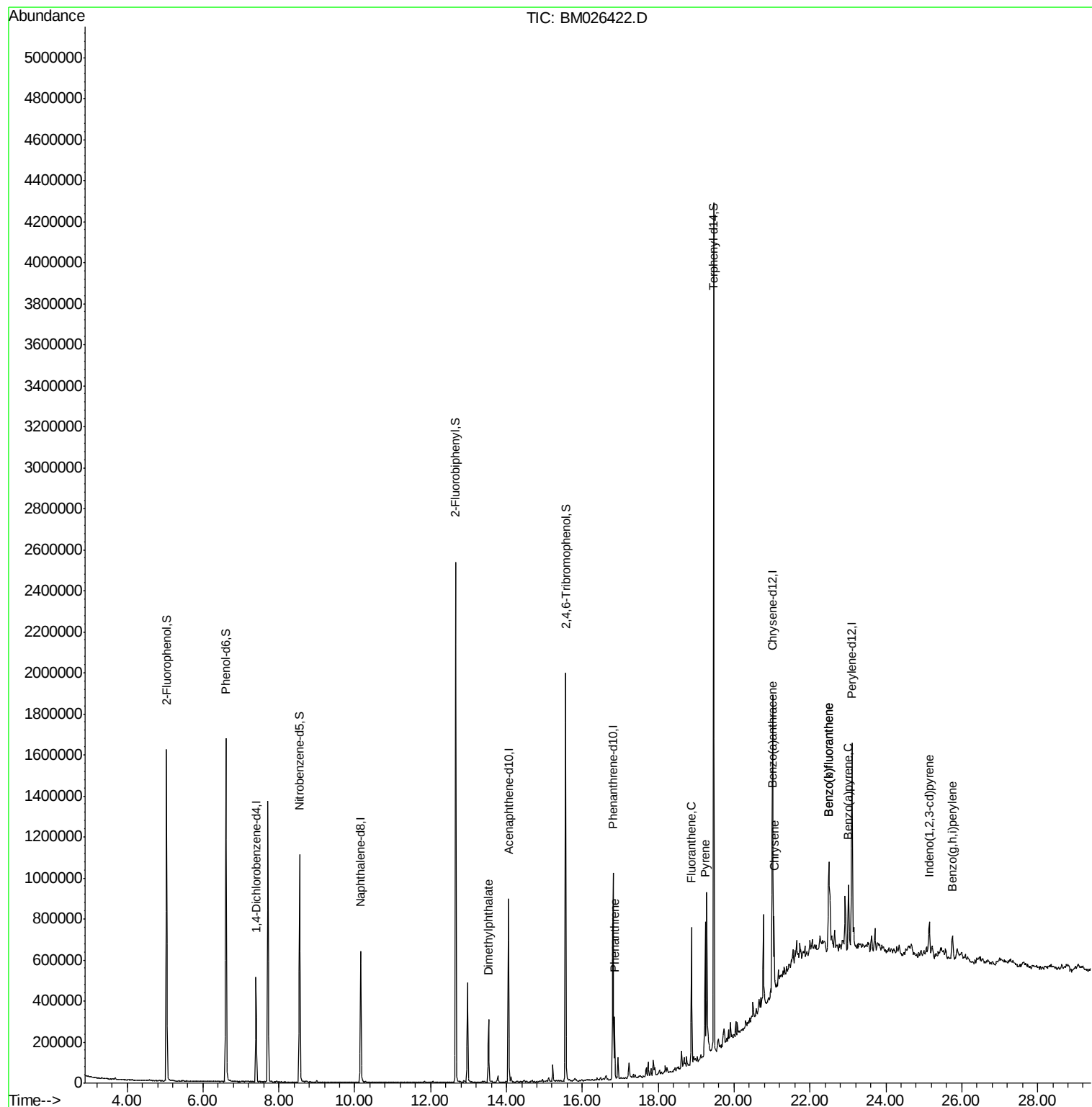
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	13.53	163	185530	9.181	ng	100
71) Phenanthrene	16.85	178	169055	5.710	ng	99
75) Fluoranthene	18.87	202	357267	10.526	ng	98
78) Pyrene	19.24	202	372499	9.828	ng	99
81) Benzo(a)anthracene	21.00	228	200384	5.820	ng	95
83) Chrysene	21.05	228	203700	6.208	ng	97
87) Indeno(1,2,3-cd)pyrene	25.14	276	131502	3.567	ng	97
88) Benzo(b)fluoranthene	22.50	252	420512	10.968	ng	97
89) Benzo(k)fluoranthene	22.50	252	420512	11.289	ng	96
90) Benzo(a)pyrene	23.01	252	199823	5.868	ng	97
92) Benzo(g,h,i)perylene	25.76	276	132600	4.527	ng	93

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

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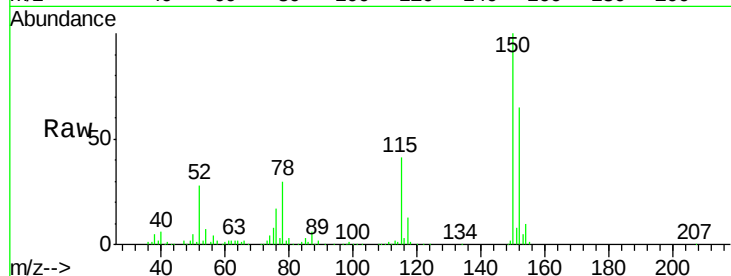


#1

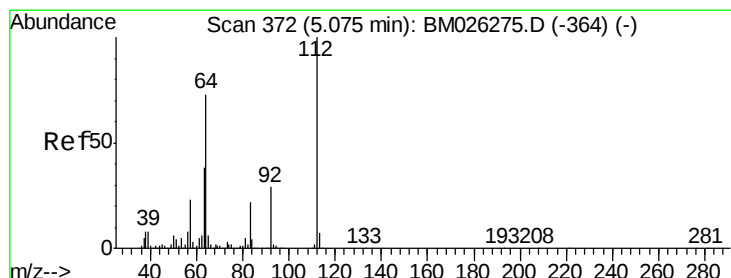
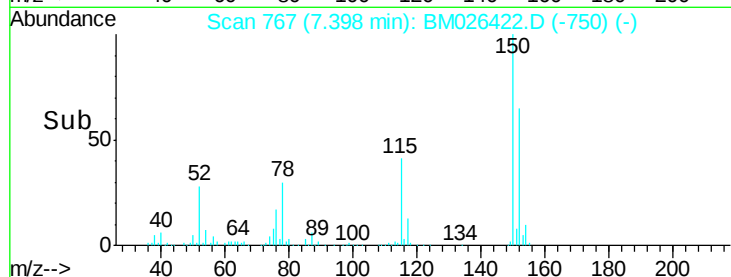
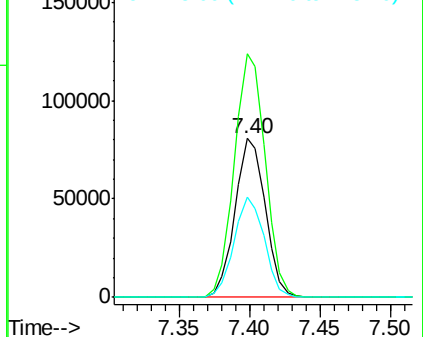
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.40 min Scan# 767
Delta R.T. -0.00 min
Lab File: BM026422.D
Acq: 16 Jun 2020 21:06

Instrument :
BNA_M
ClientSampleId :
V-210

Tot Ion:152 Resp: 120730
Ion Ratio Lower Upper
152 100
150 153.4 127.8 191.6
115 62.9 51.5 77.3



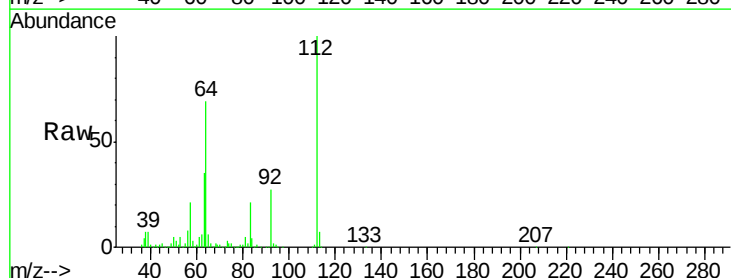
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



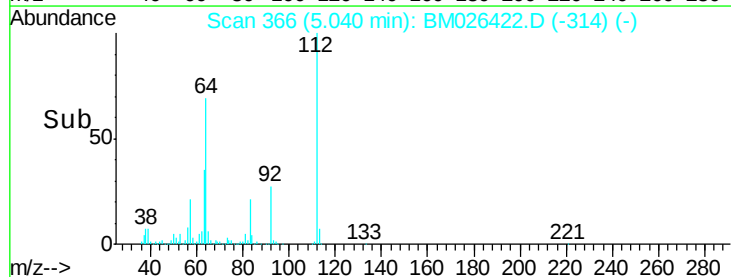
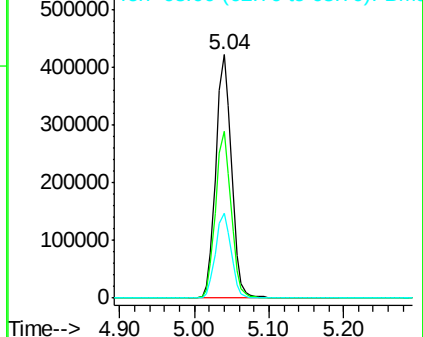
#5

2-Fluorophenol
Concen: 89.682 ng
RT: 5.04 min Scan# 366
Delta R.T. 0.01 min
Lab File: BM026422.D
Acq: 16 Jun 2020 21:06

Tgt Ion:112 Resp: 612389
Ion Ratio Lower Upper
112 100
64 68.5 56.0 84.0
63 34.6 29.0 43.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BM0
Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 87.097 ng

RT: 6.61 min Scan# 633

Delta R.T. 0.01 min

Lab File: BM026422.D

Acq: 16 Jun 2020 21:06

Instrument :

BNA_M

ClientSampleId :

V-210

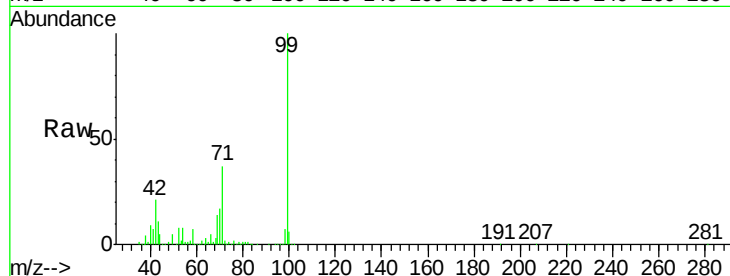
Tot Ion: 99 Resp: 861211

Ion Ratio Lower Upper

99 100

42 21.3 17.8 26.6

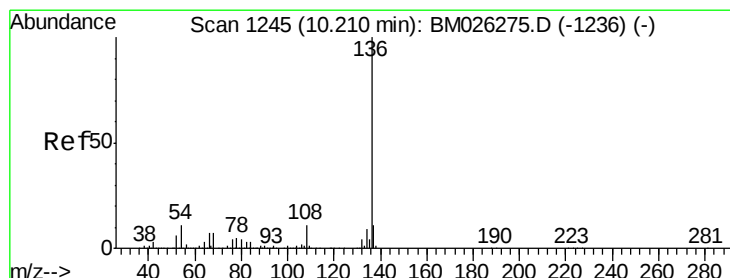
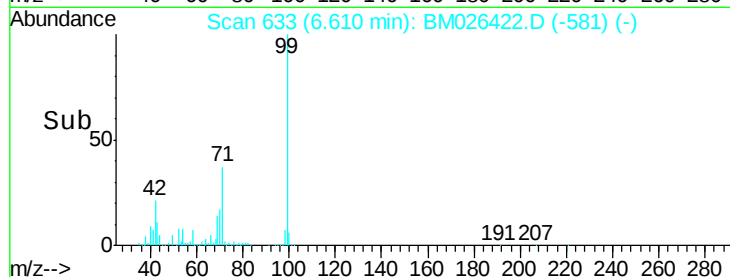
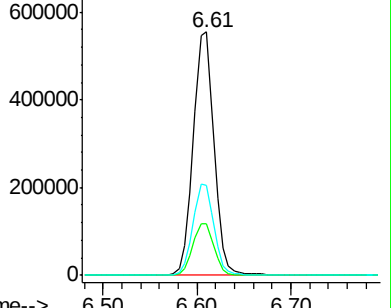
71 37.0 31.0 46.4



Abundance Ion 99.00 (98.70 to 99.70): BM026422.D (-631) (-)

Ion 42.00 (41.70 to 42.70): BM026422.D (-631) (-)

Ion 71.00 (70.70 to 71.70): BM026422.D (-631) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.16 min Scan# 1236

Delta R.T. -0.00 min

Lab File: BM026422.D

Acq: 16 Jun 2020 21:06

Tgt Ion: 136 Resp: 479381

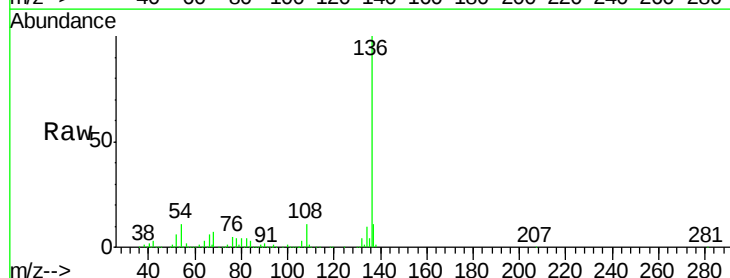
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 10.6 9.0 13.6

68 6.9 5.6 8.4

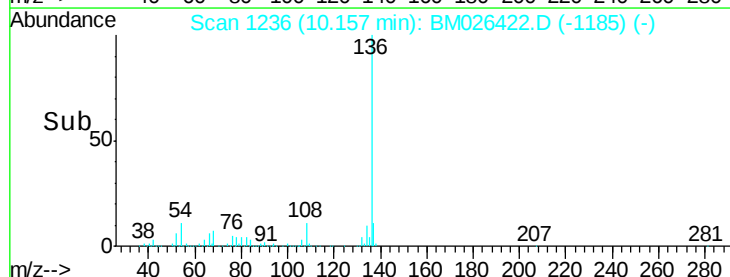
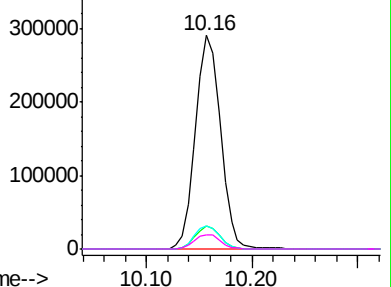


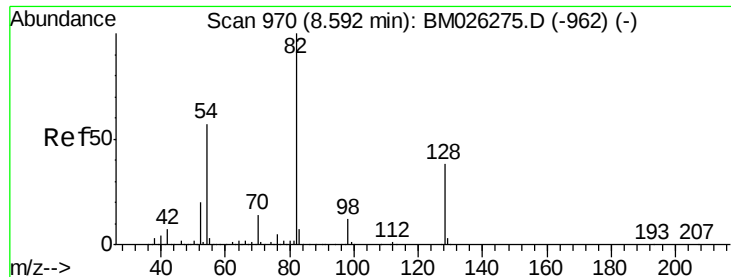
Abundance Ion 136.00 (135.70 to 136.70): BM026422.D (-1185) (-)

Ion 137.00 (136.70 to 137.70): BM026422.D (-1185) (-)

Ion 54.00 (53.70 to 54.70): BM026422.D (-1185) (-)

Ion 68.00 (67.70 to 68.70): BM026422.D (-1185) (-)

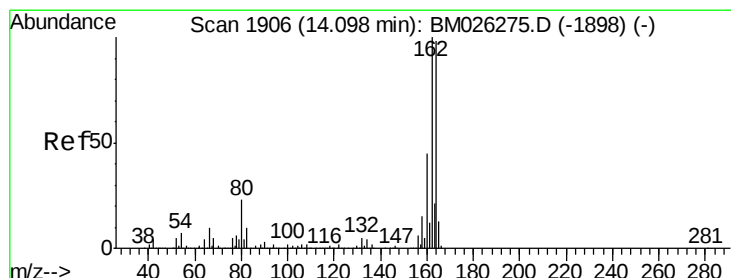
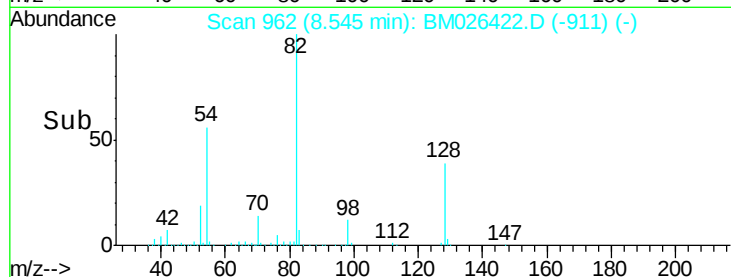
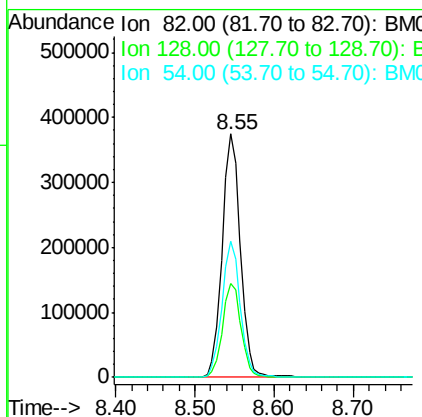
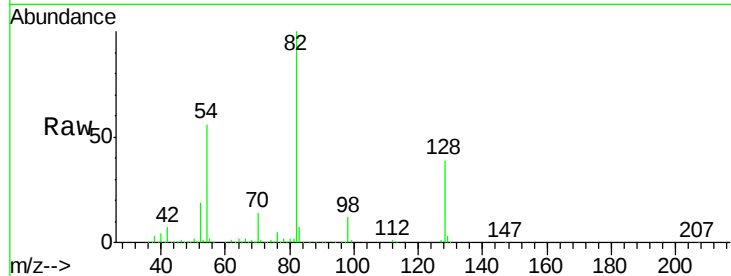




#23
 Nitrobenzene-d5
 Concen: 61.384 ng
 RT: 8.55 min Scan# 962
 Delta R.T. -0.00 min
 Lab File: BM026422.D
 Acq: 16 Jun 2020 21:06

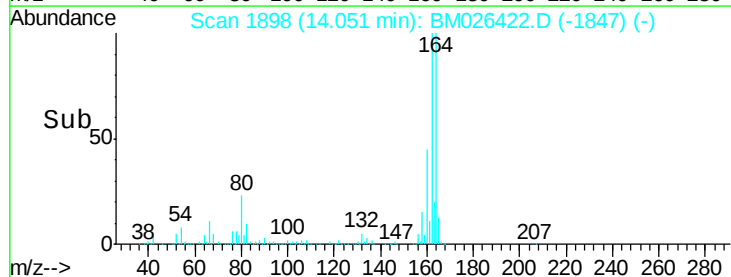
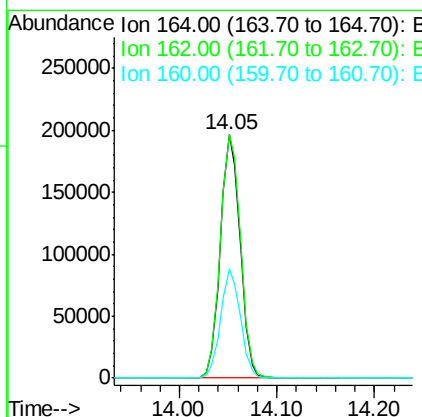
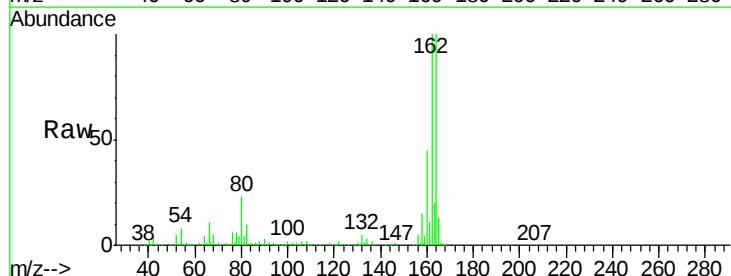
Instrument :
 BNA_M
 ClientSampleId :
 V-210

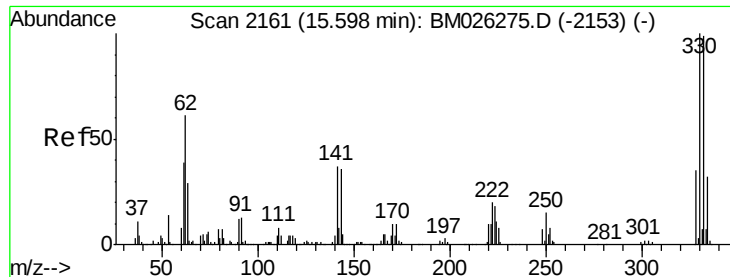
Tot Ion	82	Resp	599319
Ion Ratio	Lower	Upper	
82	100		
128	38.5	31.0	46.6
54	55.7	45.4	68.2



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.05 min Scan# 1898
 Delta R.T. -0.00 min
 Lab File: BM026422.D
 Acq: 16 Jun 2020 21:06

Tgt Ion	164	Resp	276287
Ion Ratio	Lower	Upper	
164	100		
162	99.8	77.7	116.5
160	44.9	34.2	51.2





#42

2,4,6-Tribromophenol

Concen: 92.865 ng

RT: 15.56 min Scan# 2154

Delta R.T. -0.00 min

Lab File: BM026422.D

Acq: 16 Jun 2020 21:06

Instrument :

BNA_M

ClientSampleId :

V-210

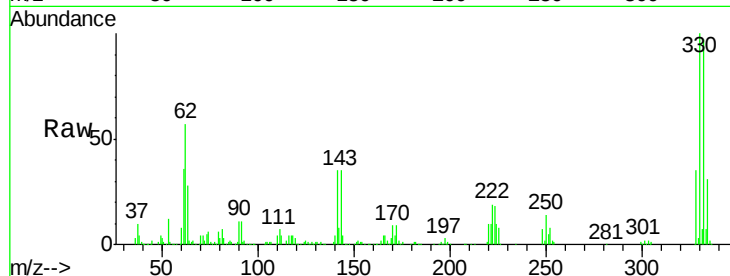
Tot Ion:330 Resp: 310800

Ion Ratio Lower Upper

330 100

332 97.0 77.7 116.5

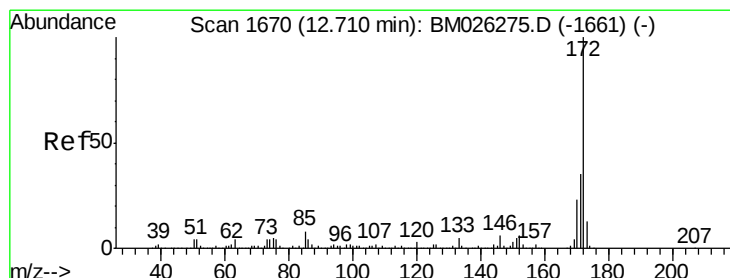
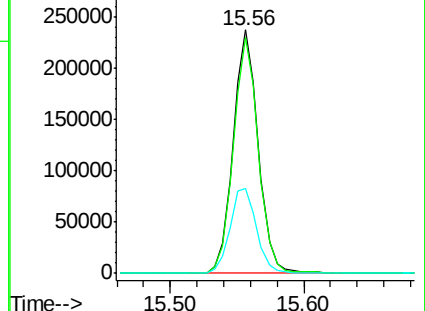
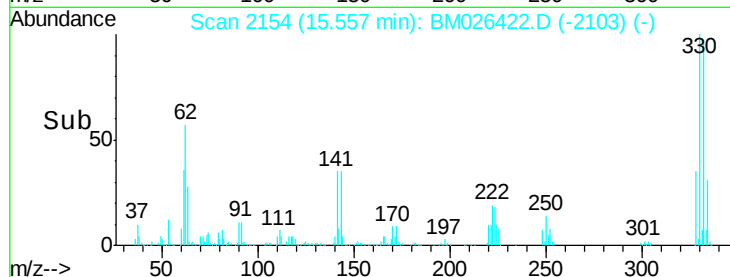
141 37.6 29.7 44.5



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 65.971 ng

RT: 12.66 min Scan# 1662

Delta R.T. -0.00 min

Lab File: BM026422.D

Acq: 16 Jun 2020 21:06

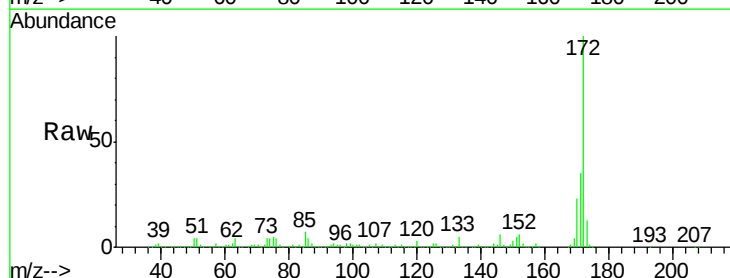
Tgt Ion:172 Resp: 1200750

Ion Ratio Lower Upper

172 100

171 34.9 27.8 41.8

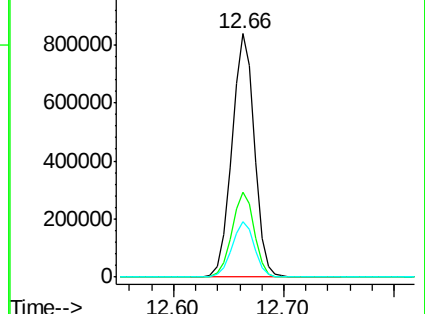
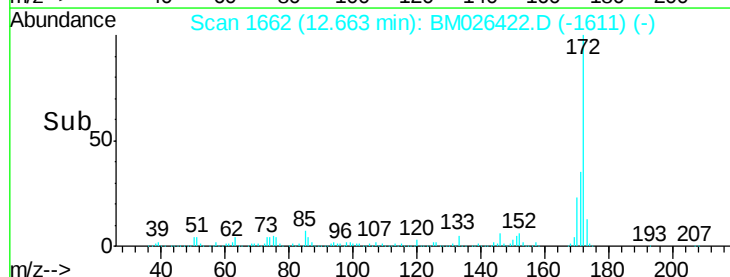
170 22.8 18.2 27.4

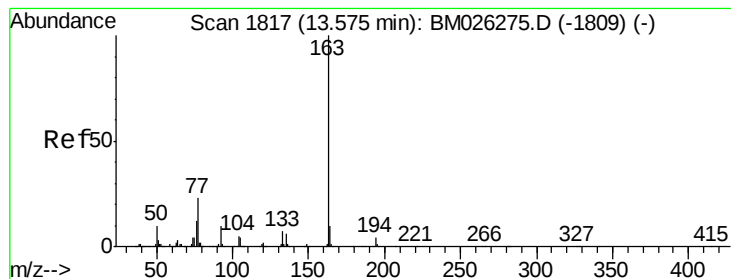


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 9.181 ng

RT: 13.53 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BM026422.D

Acq: 16 Jun 2020 21:06

Instrument :

BNA_M

ClientSampleId :

V-210

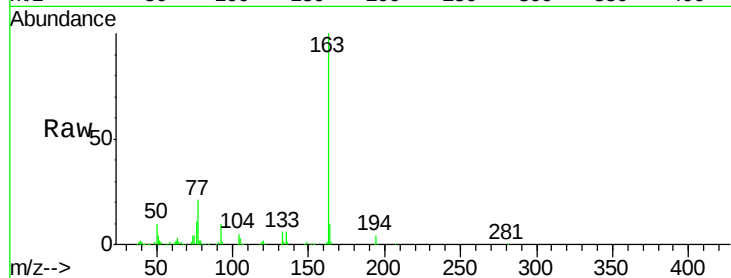
Tot Ion:163 Resp: 185530

Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

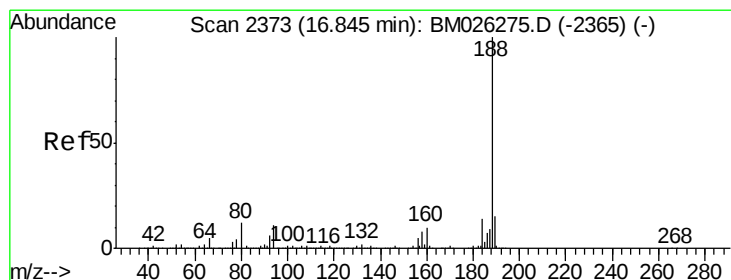
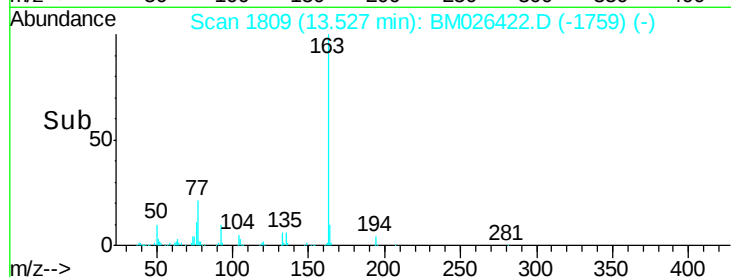
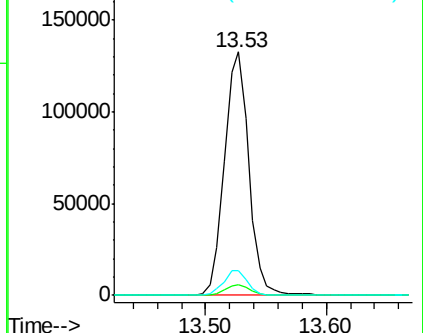
164 10.0 7.8 11.8



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.81 min Scan# 2367

Delta R.T. -0.00 min

Lab File: BM026422.D

Acq: 16 Jun 2020 21:06

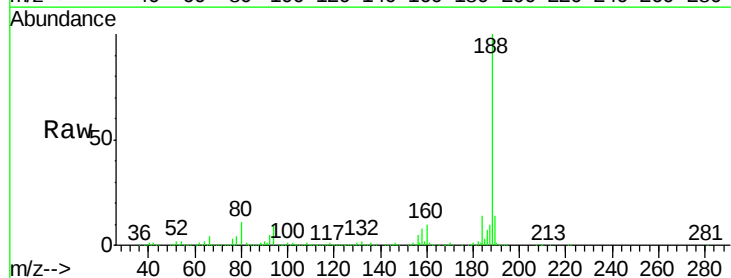
Tgt Ion:188 Resp: 568510

Ion Ratio Lower Upper

188 100

94 9.9 7.8 11.6

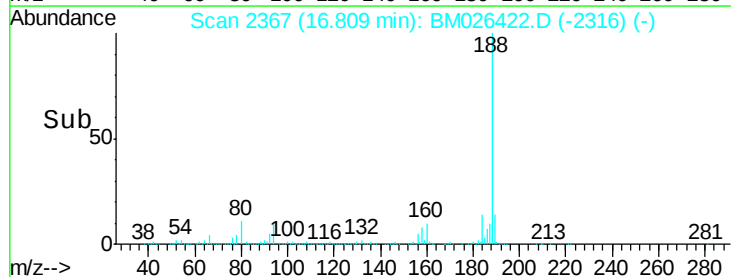
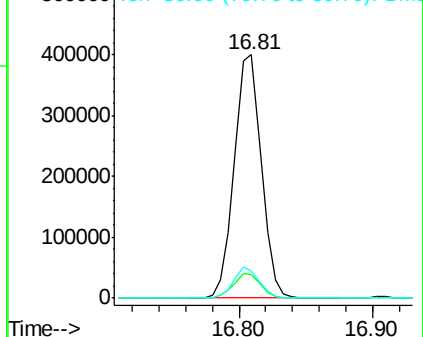
80 11.3 9.5 14.3

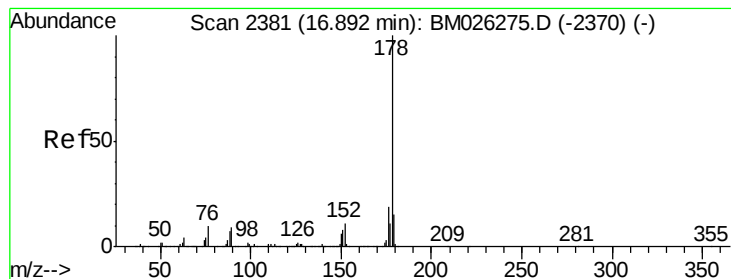


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





#71

Phenanthrene

Concen: 5.710 ng

RT: 16.85 min Scan# 2374

Delta R.T. -0.00 min

Lab File: BM026422.D

Acq: 16 Jun 2020 21:06

Instrument :

BNA_M

ClientSampleId :

V-210

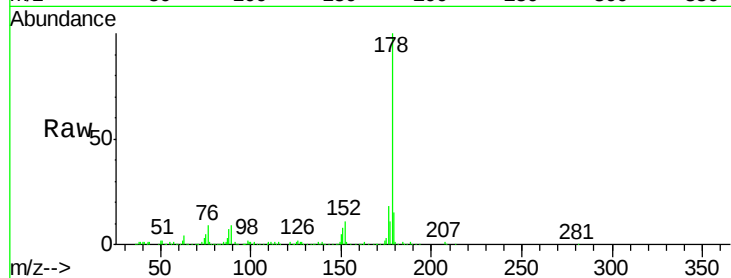
Tot Ion:178 Resp: 169055

Ion Ratio Lower Upper

178 100

176 18.5 15.1 22.7

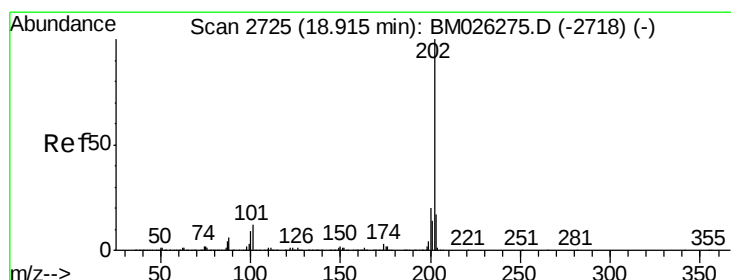
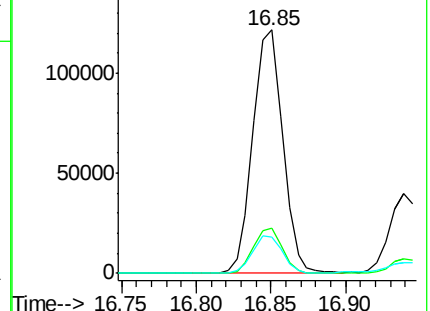
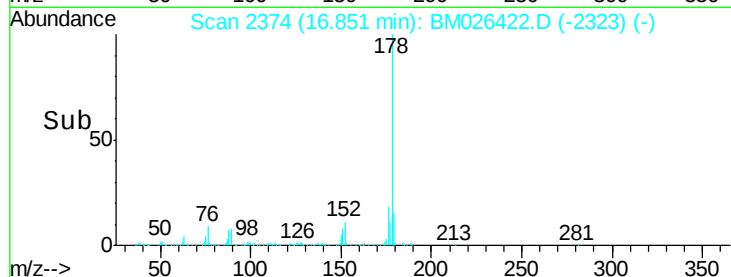
179 15.1 12.3 18.5



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 10.526 ng

RT: 18.87 min Scan# 2718

Delta R.T. -0.00 min

Lab File: BM026422.D

Acq: 16 Jun 2020 21:06

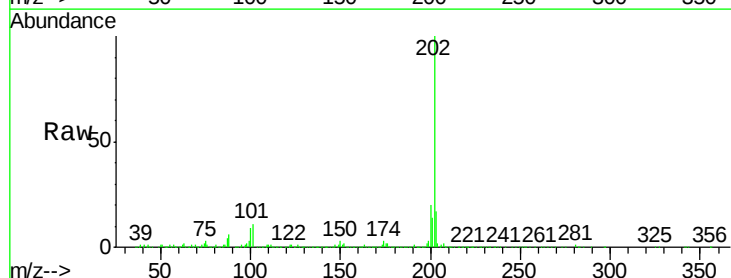
Tgt Ion:202 Resp: 357267

Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.9

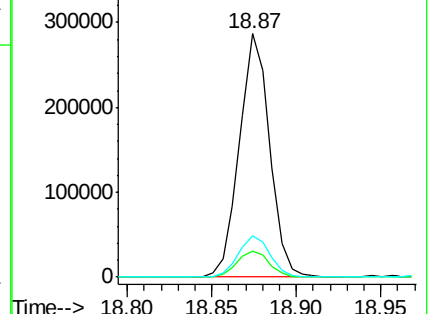
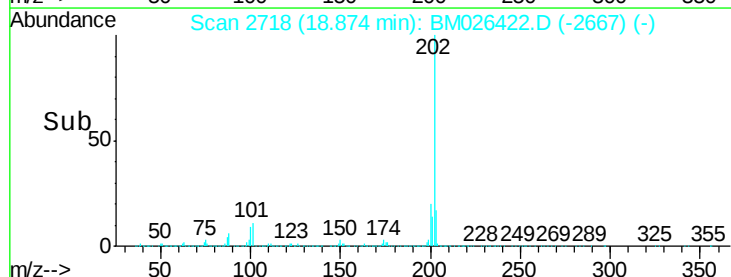
203 16.8 0.0 37.5

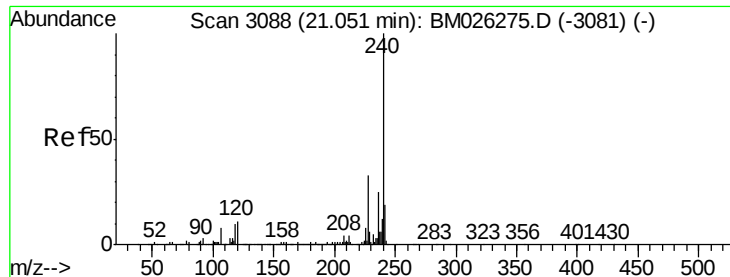


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

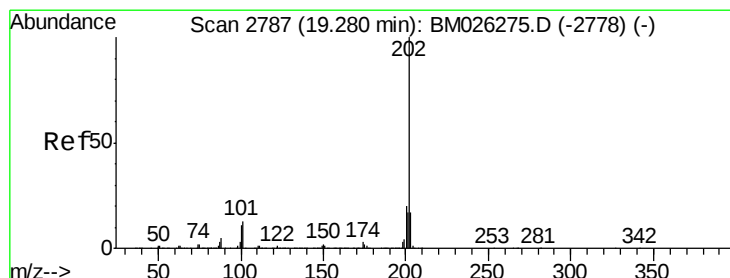
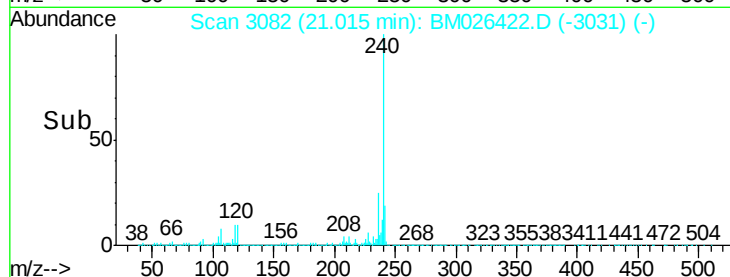
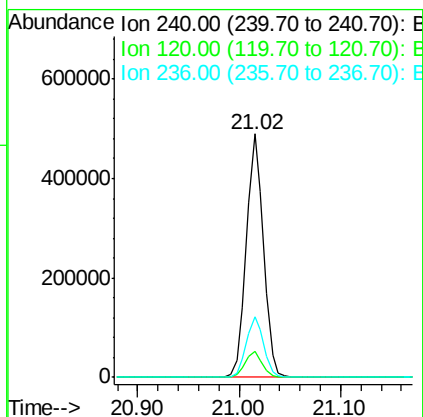
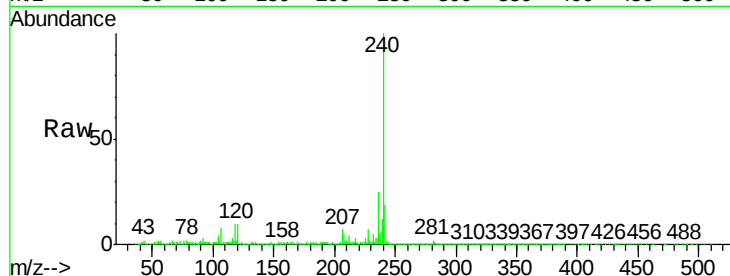




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.02 min Scan# 3082
Delta R.T. -0.00 min
Lab File: BM026422.D
Acq: 16 Jun 2020 21:06

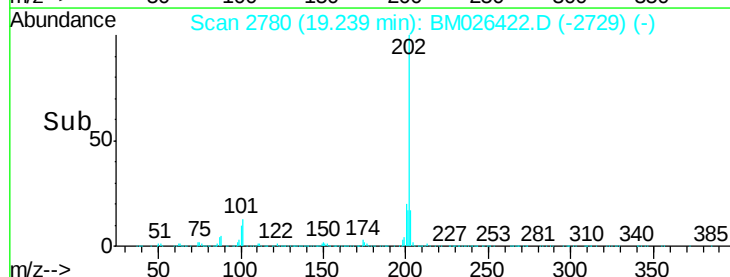
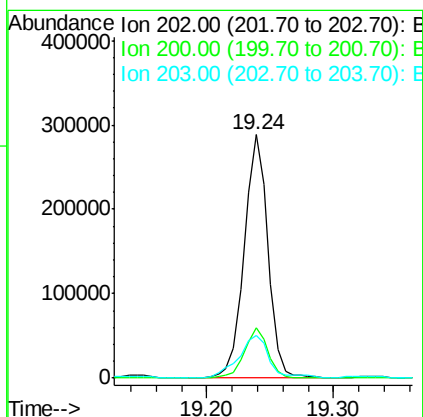
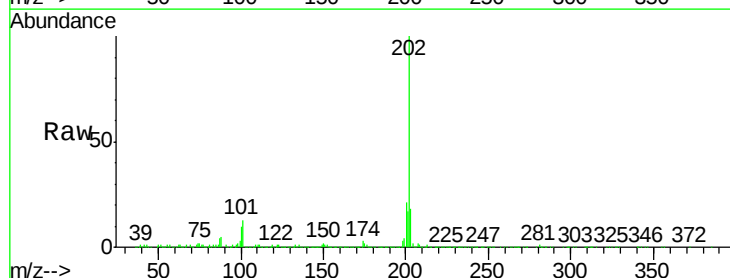
Instrument :
BNA_M
ClientSampleId :
V-210

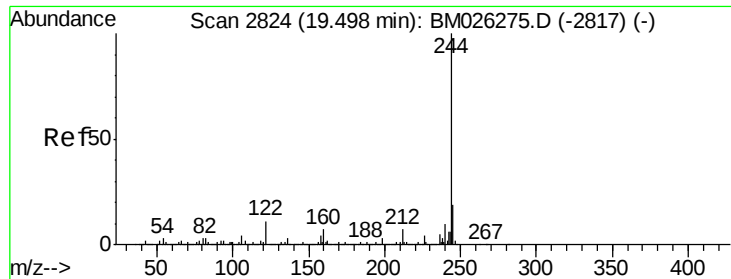
Tot Ion:240 Resp: 573650
Ion Ratio Lower Upper
240 100
120 10.5 9.3 13.9
236 24.9 19.4 29.0



#78
Pyrene
Concen: 9.828 ng
RT: 19.24 min Scan# 2780
Delta R.T. -0.00 min
Lab File: BM026422.D
Acq: 16 Jun 2020 21:06

Tgt Ion:202 Resp: 372499
Ion Ratio Lower Upper
202 100
200 20.5 16.3 24.5
203 17.6 13.8 20.6





#79

Terphenyl-d14

Concen: 60.871 ng

RT: 19.46 min Scan# 2818

Delta R.T. -0.00 min

Lab File: BM026422.D

Acq: 16 Jun 2020 21:06

Instrument :

BNA_M

ClientSampleId :

V-210

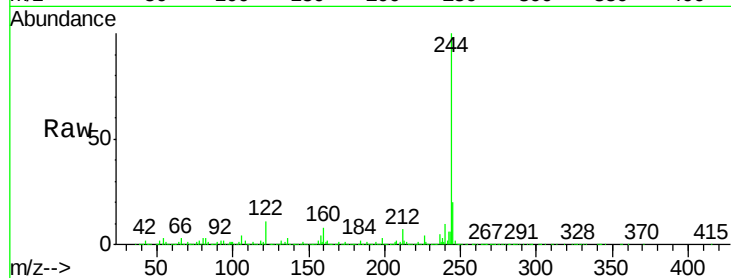
Tot Ion:244 Resp: 1798836

Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

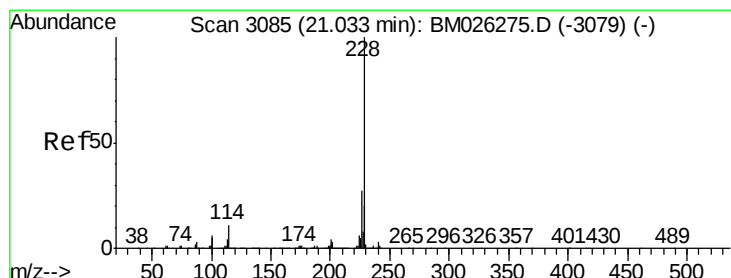
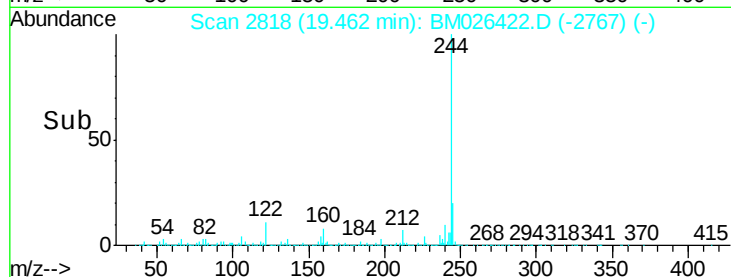
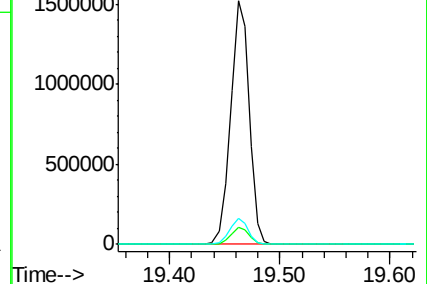
122 10.7 8.6 13.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 5.820 ng

RT: 21.00 min Scan# 3079

Delta R.T. -0.01 min

Lab File: BM026422.D

Acq: 16 Jun 2020 21:06

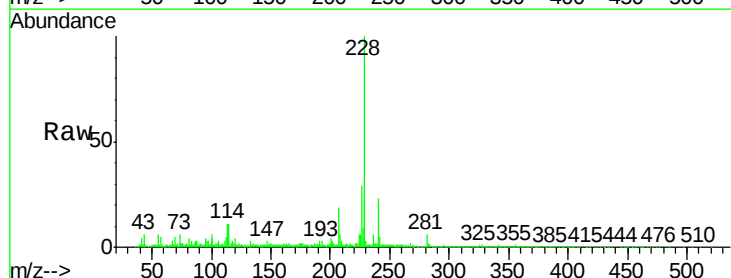
Tgt Ion:228 Resp: 200384

Ion Ratio Lower Upper

228 100

226 28.7 21.1 31.7

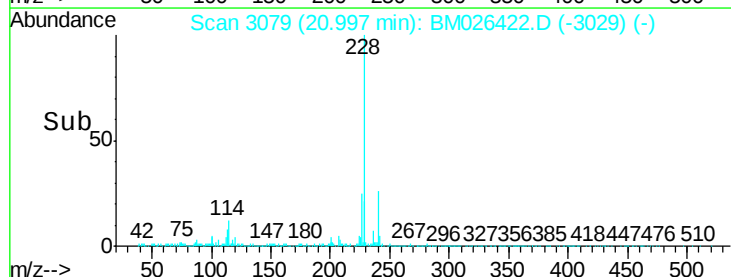
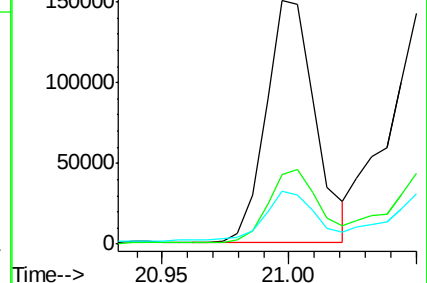
229 21.6 15.7 23.5

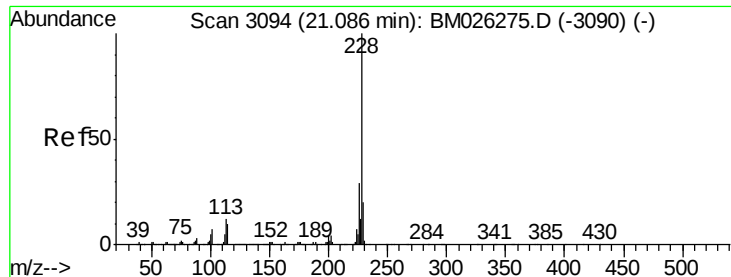


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 6.208 ng

RT: 21.05 min Scan# 3088

Delta R.T. -0.01 min

Lab File: BM026422.D

Acq: 16 Jun 2020 21:06

Instrument :

BNA_M

ClientSampleId :

V-210

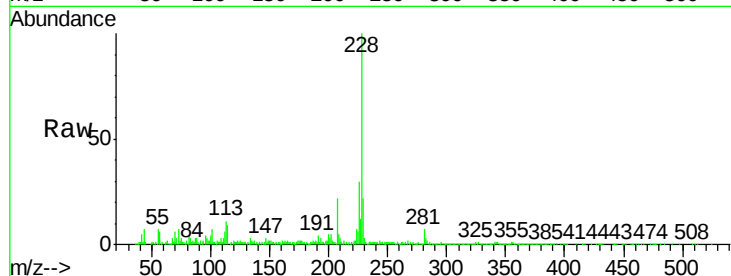
Tot Ion:228 Resp: 203700

Ion Ratio Lower Upper

228 100

226 30.4 23.8 35.6

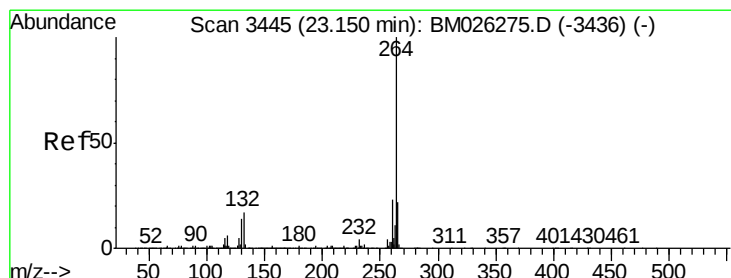
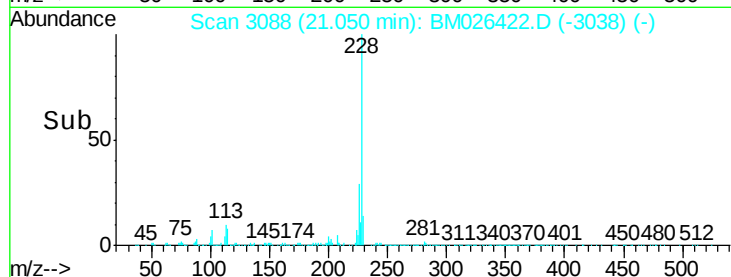
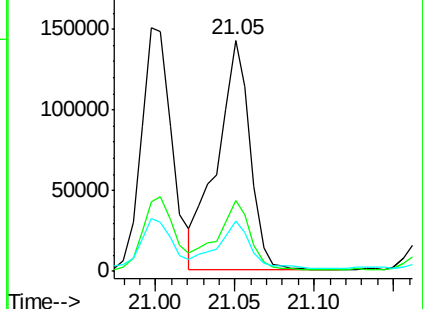
229 22.0 15.5 23.3



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.10 min Scan# 3437

Delta R.T. -0.01 min

Lab File: BM026422.D

Acq: 16 Jun 2020 21:06

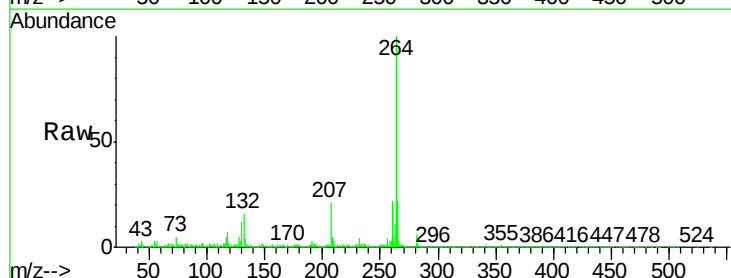
Tgt Ion:264 Resp: 637360

Ion Ratio Lower Upper

264 100

260 22.2 18.6 28.0

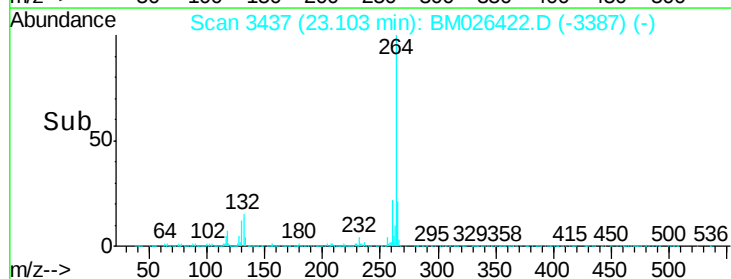
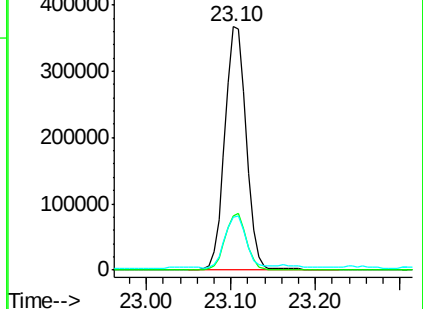
265 21.8 17.8 26.6

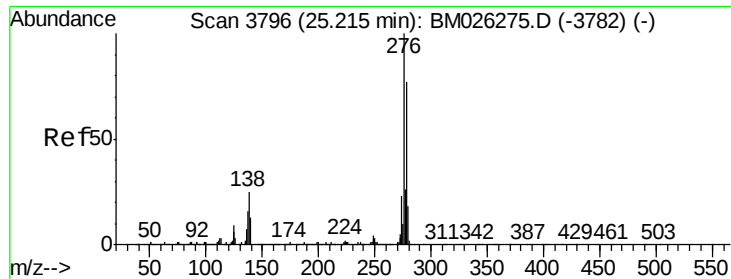


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

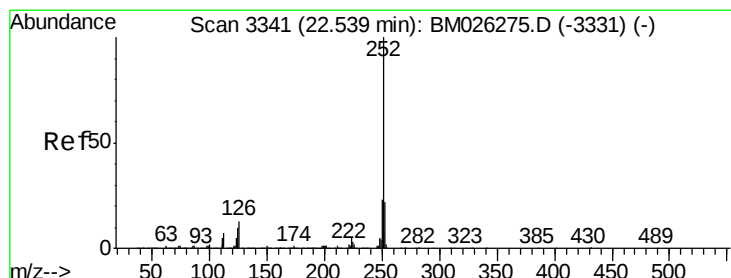
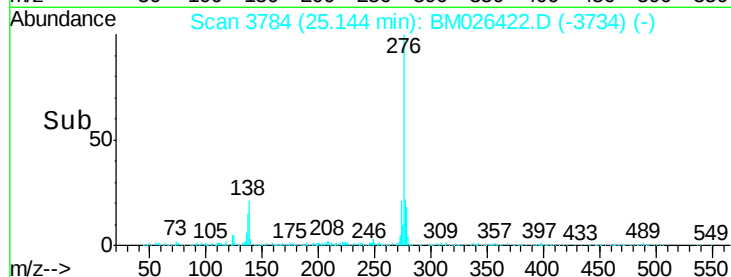
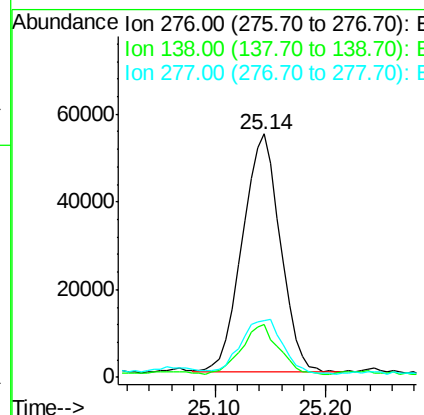
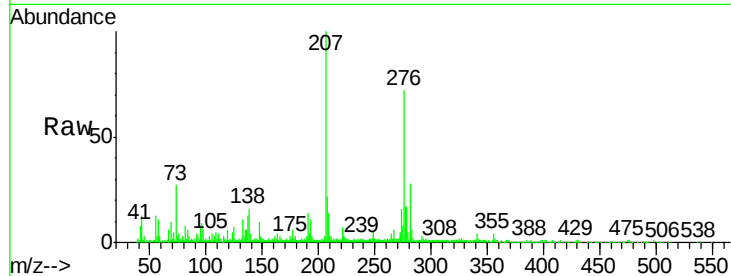




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.567 ng
 RT: 25.14 min Scan# 3784
 Delta R.T. -0.01 min
 Lab File: BM026422.D
 Acq: 16 Jun 2020 21:06

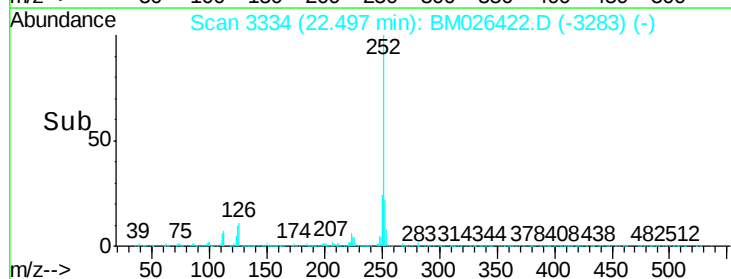
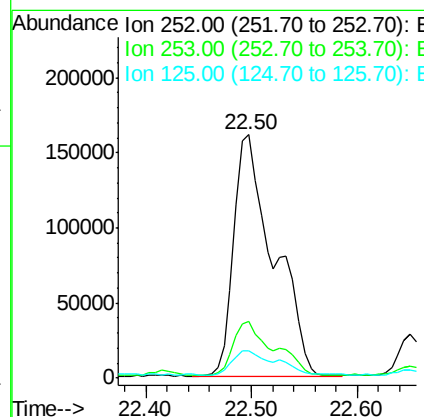
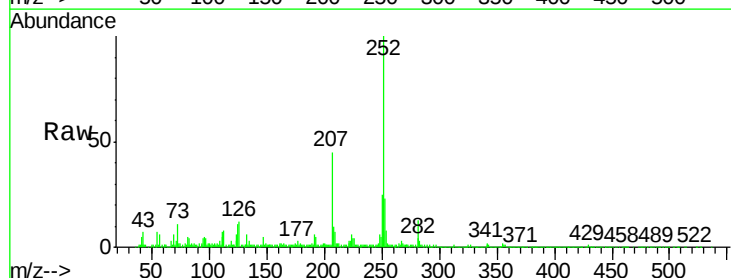
Instrument :
 BNA_M
 ClientSampleId :
 V-210

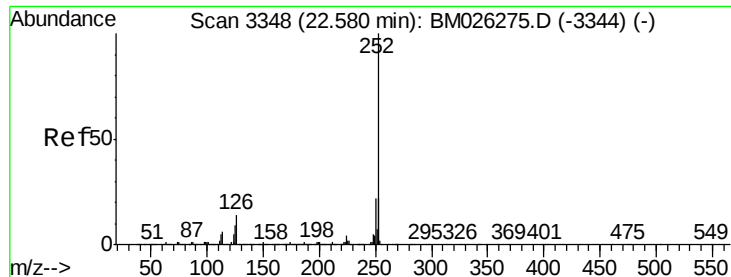
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.6	19.0	28.6
277	25.2	20.2	30.4



#88
 Benzo(b)fluoranthene
 Concen: 10.968 ng
 RT: 22.50 min Scan# 3334
 Delta R.T. -0.00 min
 Lab File: BM026422.D
 Acq: 16 Jun 2020 21:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.6	26.4
125	11.2	8.0	12.0

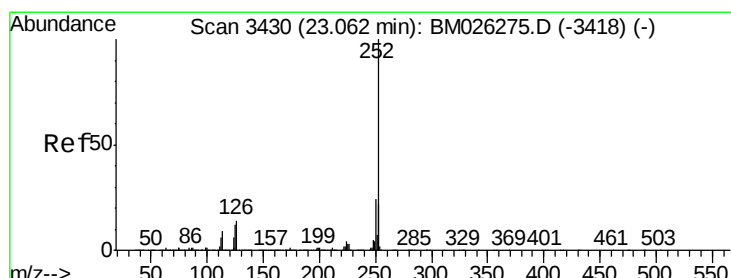
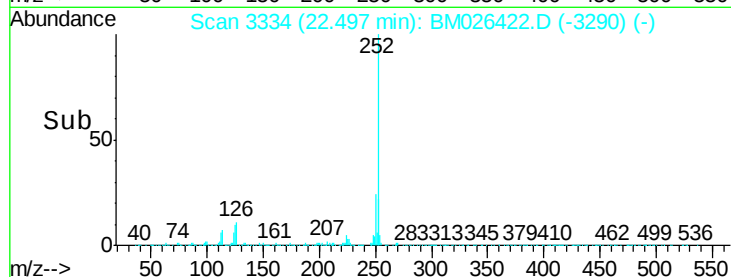
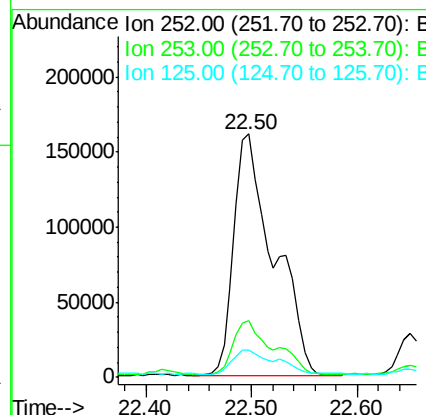
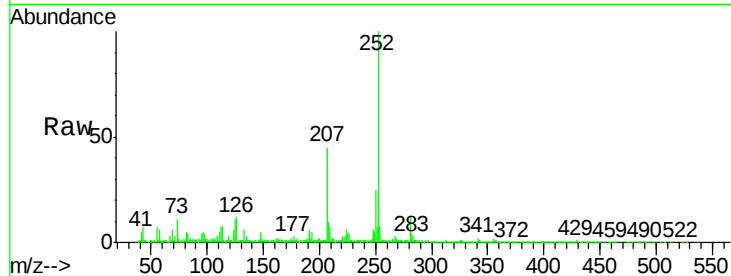




#89
Benzo(k)fluoranthene
Concen: 11.289 ng
RT: 22.50 min Scan# 3334
Delta R.T. -0.04 min
Lab File: BM026422.D
Acq: 16 Jun 2020 21:06

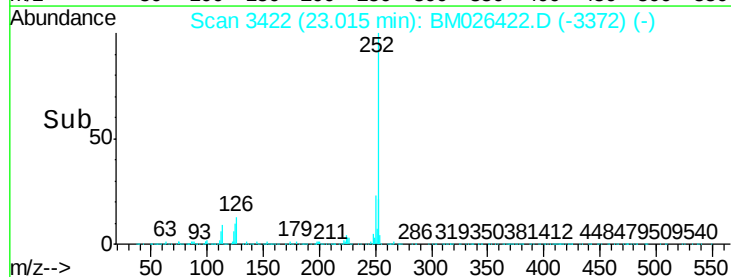
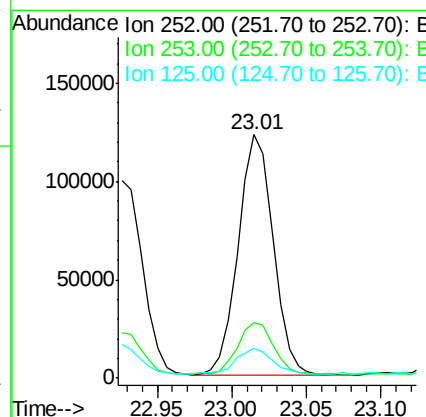
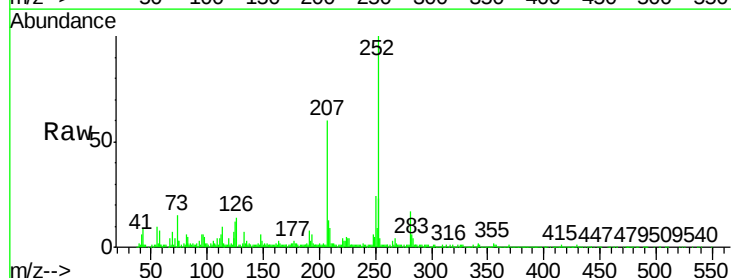
Instrument :
BNA_M
ClientSampleId :
V-210

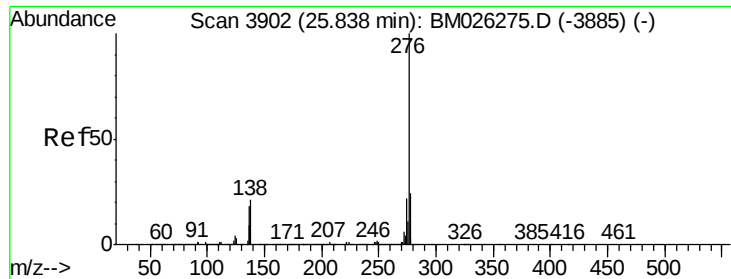
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.2	25.8
125	11.2	7.8	11.8



#90
Benzo(a)pyrene
Concen: 5.868 ng
RT: 23.01 min Scan# 3422
Delta R.T. -0.01 min
Lab File: BM026422.D
Acq: 16 Jun 2020 21:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.3	25.9
125	12.2	8.6	12.8





#92

Benzo(a,h,i)perylene

Concen: 4.527 ng

RT: 25.76 min Scan# 3888

Delta R.T. -0.01 min

Lab File: BM026422.D

Acq: 16 Jun 2020 21:06

Instrument :

BNA_M

ClientSampleId :

V-210

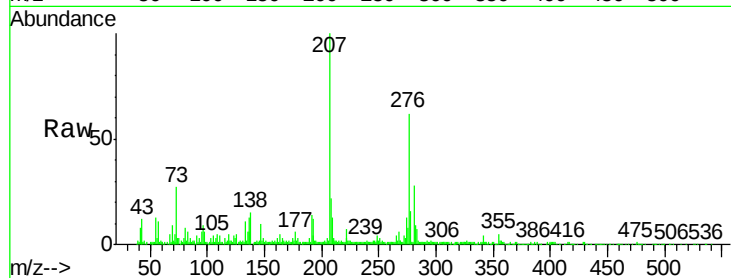
Tot Ion:276 Resp: 132600

Ion Ratio Lower Upper

276 100

277 26.3 19.0 28.4

138 24.0 16.2 24.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

