

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061520\
 Data File : BM026404.D
 Acq On : 15 Jun 2020 22:45
 Operator : JU/CG
 Sample : L2997-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 4352

Quant Time: Jun 16 00:49:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM060520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 15 12:22:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	100721	20.00	ng	0.00
21) Naphthalene-d8	10.16	136	407183	20.00	ng	0.00
39) Acenaphthene-d10	14.06	164	244987	20.00	ng	0.00
64) Phenanthrene-d10	16.81	188	522453	20.00	ng	0.00
76) Chrysene-d12	21.02	240	560984	20.00	ng	0.00
86) Perylene-d12	23.10	264	596866	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.04	112	291474	51.16	ng	0.00
7) Phenol-d6	6.60	99	616608	74.75	ng	0.00
23) Nitrobenzene-d5	8.55	82	479681	57.84	ng	0.00
42) 2,4,6-Tribromophenol	15.56	330	15792	5.32	ng	0.00
45) 2-Fluorobiphenyl	12.66	172	965933	59.85	ng	0.00
79) Terphenyl-d14	19.46	244	1581036	54.71	ng	0.00

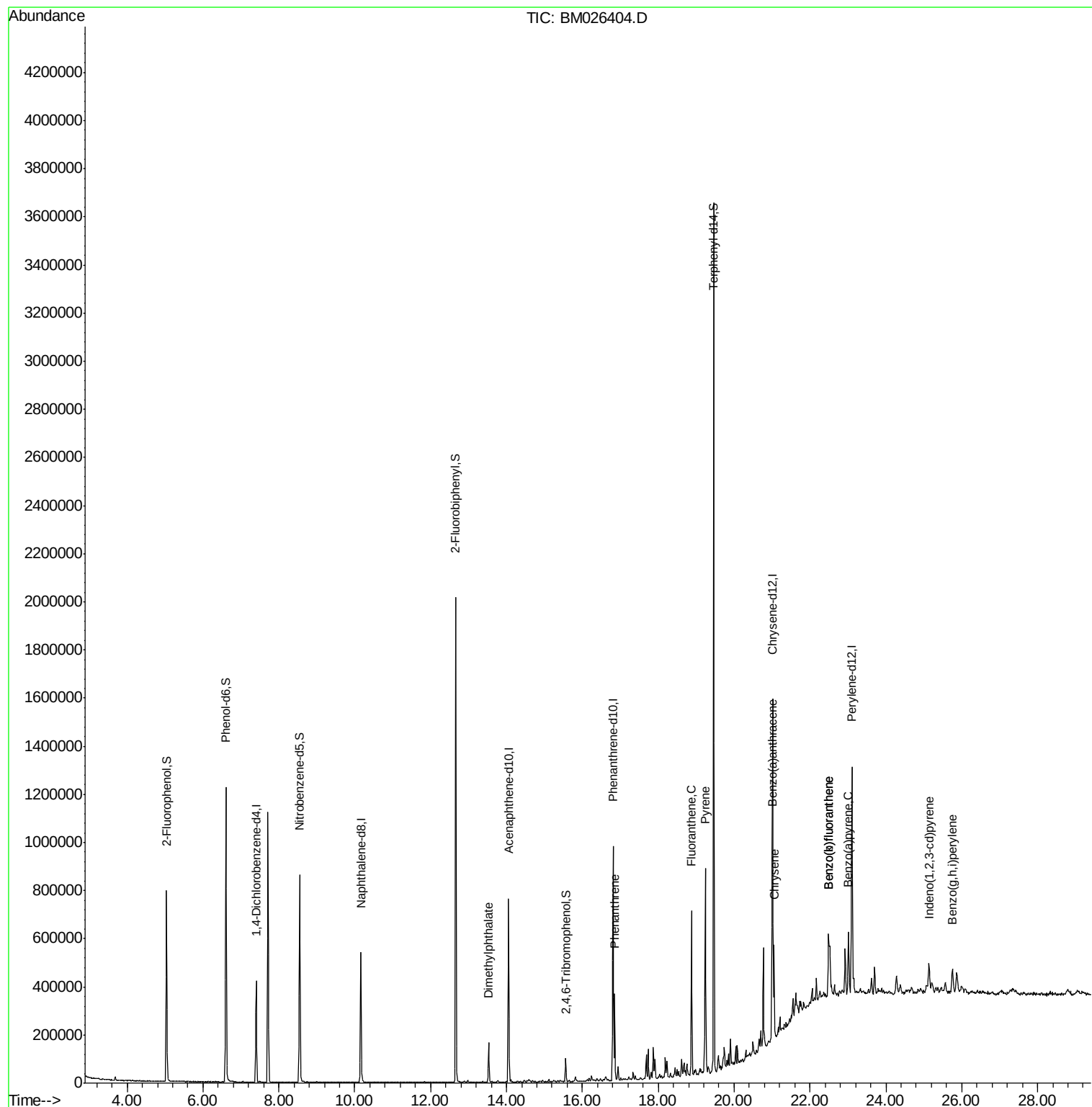
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	13.53	163	100748	5.622	ng	99
71) Phenanthrene	16.85	178	194837	7.161	ng	99
75) Fluoranthene	18.87	202	364804	11.695	ng	100
78) Pyrene	19.24	202	484824	13.080	ng	99
81) Benzo(a)anthracene	21.00	228	187387	5.565	ng	99
83) Chrysene	21.05	228	203052	6.328	ng	99
87) Indeno(1,2,3-cd)pyrene	25.14	276	94780	2.745	ng	96
88) Benzo(b)fluoranthene	22.49	252	202821	5.649	ng	99
89) Benzo(k)fluoranthene	22.49	252	202821	5.814	ng	98
90) Benzo(a)pyrene	23.01	252	162326	5.090	ng	98
92) Benzo(g,h,i)perylene	25.76	276	103887	3.787	ng	98

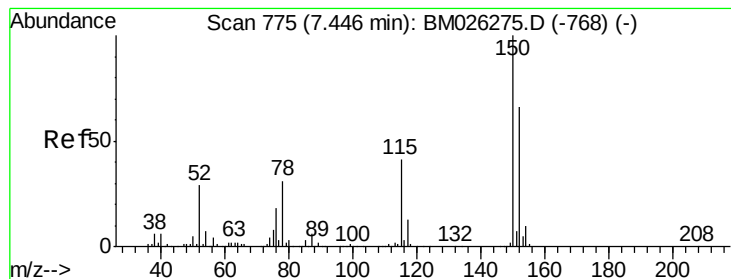
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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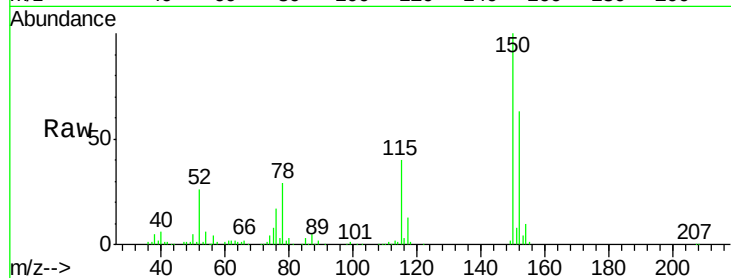


#1

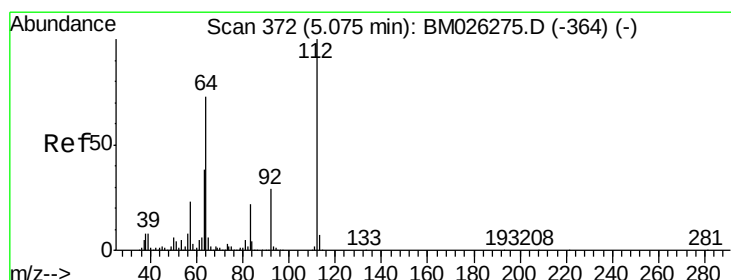
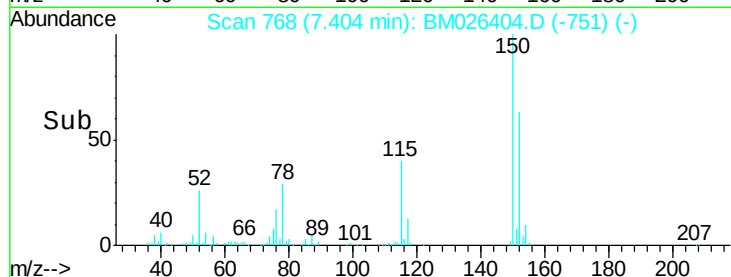
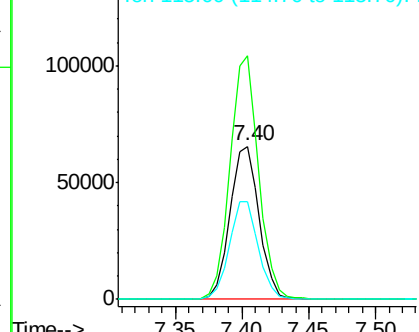
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.40 min Scan# 768
Delta R.T. 0.00 min
Lab File: BM026404.D
Acq: 15 Jun 2020 22:45

Instrument :
BNA_M
ClientSampleId :
4352

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.2	127.8	191.6
115	63.5	51.5	77.3



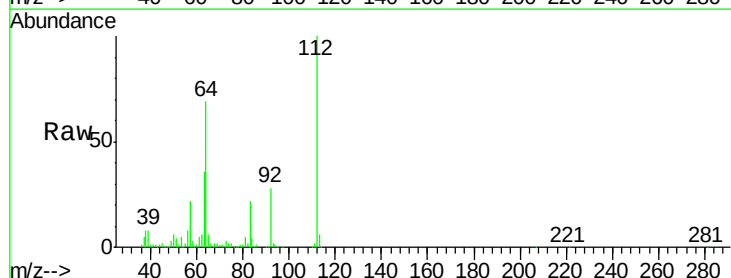
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



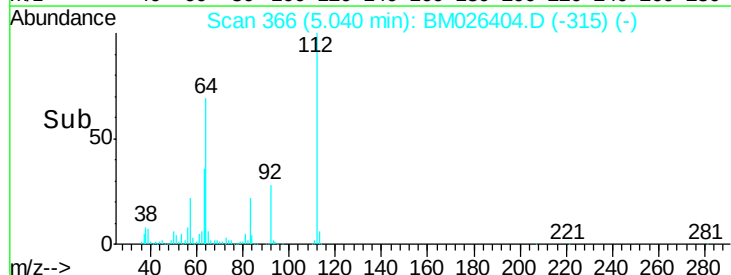
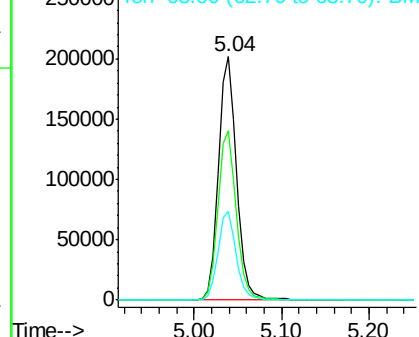
#5

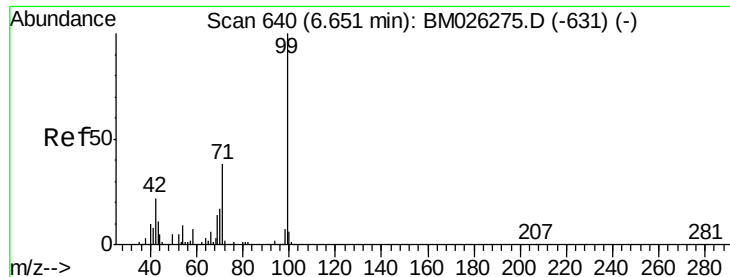
2-Fluorophenol
Concen: 51.165 ng
RT: 5.04 min Scan# 366
Delta R.T. 0.00 min
Lab File: BM026404.D
Acq: 15 Jun 2020 22:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.4	56.0	84.0
63	36.5	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: 74.747 ng

RT: 6.60 min Scan# 632

Delta R.T. -0.01 min

Lab File: BM026404.D

Acq: 15 Jun 2020 22:45

Instrument :

BNA_M

ClientSampled :

4352

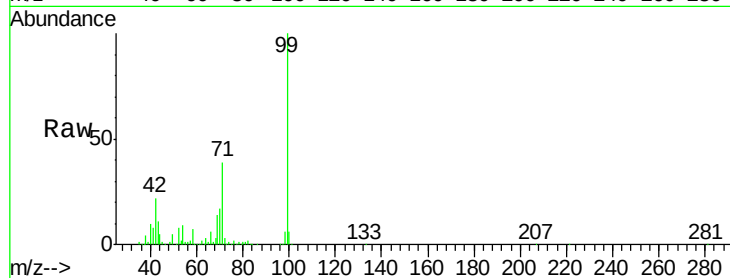
Tot Ion: 99 Resp: 616608

Ion Ratio Lower Upper

99 100

42 22.5 17.8 26.6

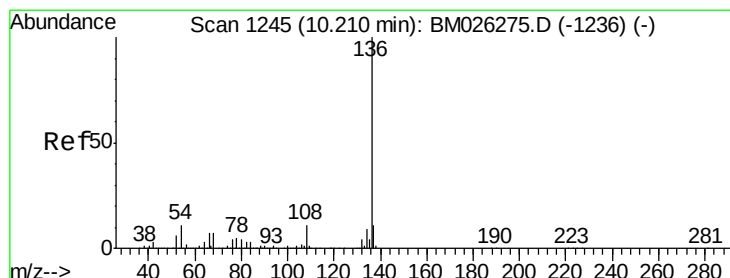
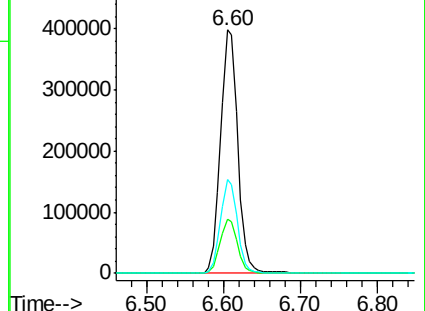
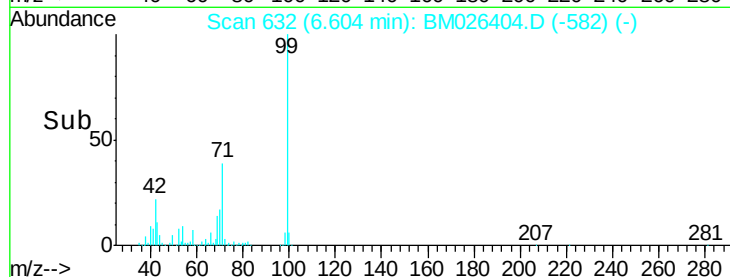
71 38.6 31.0 46.4



Abundance Ion 99.00 (98.70 to 99.70): BM026275.D (-631) (-)

Ion 42.00 (41.70 to 42.70): BM026275.D (-631) (-)

Ion 71.00 (70.70 to 71.70): BM026275.D (-631) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.16 min Scan# 1237

Delta R.T. -0.00 min

Lab File: BM026404.D

Acq: 15 Jun 2020 22:45

Tgt Ion: 136 Resp: 407183

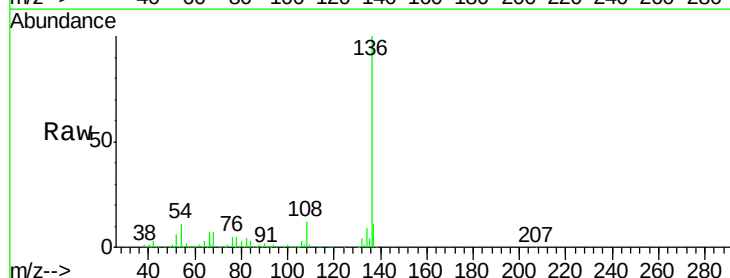
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 10.8 9.0 13.6

68 7.1 5.6 8.4

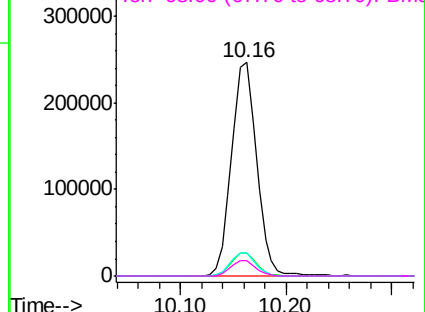
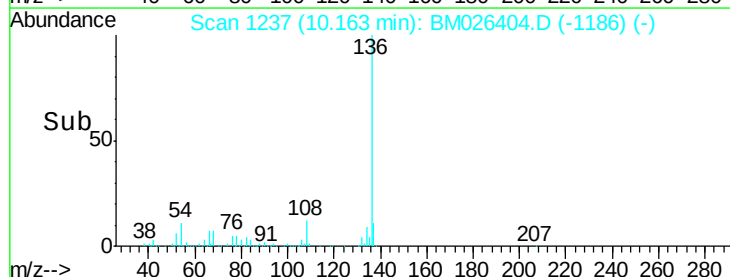


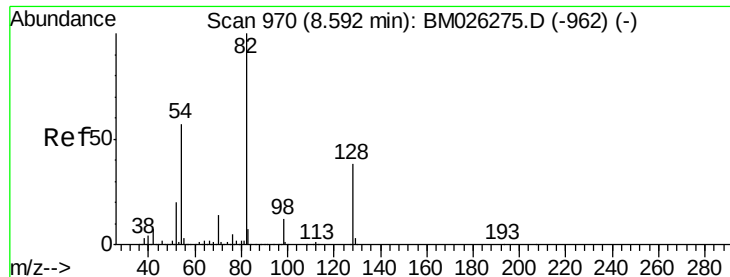
Abundance Ion 136.00 (135.70 to 136.70): BM026275.D (-1236) (-)

Ion 137.00 (136.70 to 137.70): BM026275.D (-1236) (-)

Ion 54.00 (53.70 to 54.70): BM026275.D (-1236) (-)

Ion 68.00 (67.70 to 68.70): BM026275.D (-1236) (-)

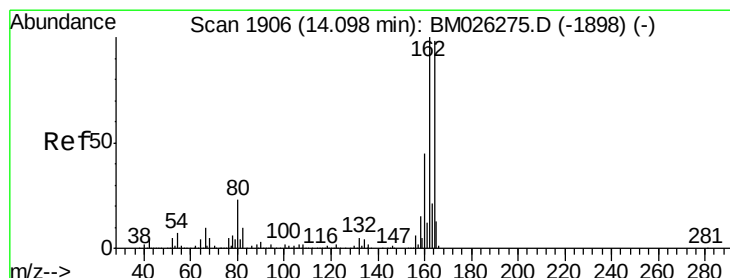
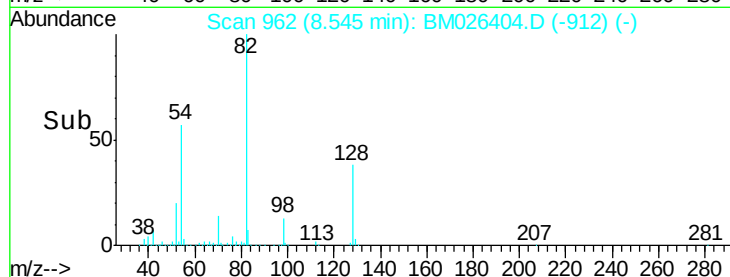
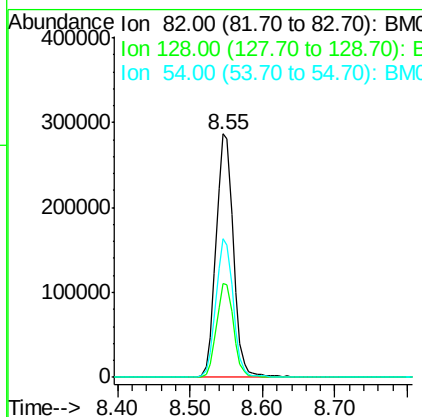
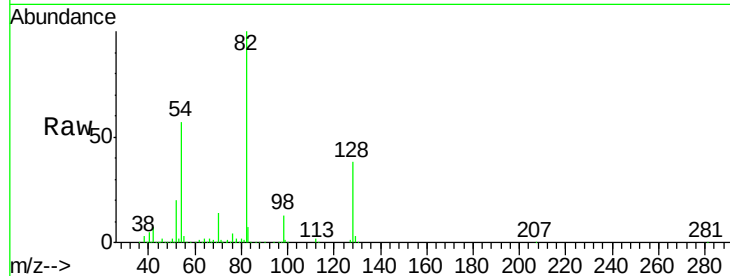




#23
Nitrobenzene-d5
Concen: 57.842 ng
RT: 8.55 min Scan# 962
Delta R.T. -0.01 min
Lab File: BM026404.D
Acq: 15 Jun 2020 22:45

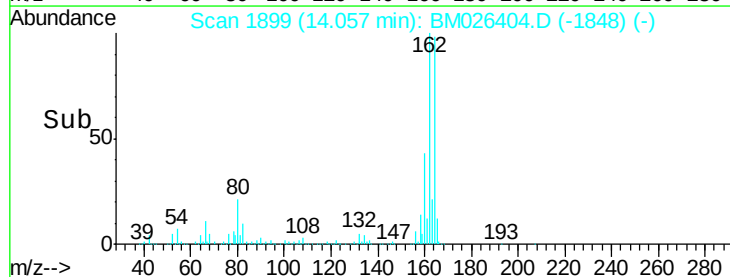
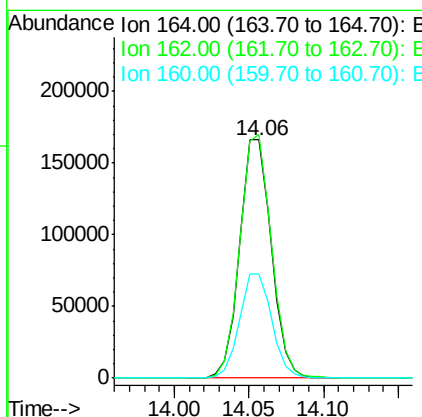
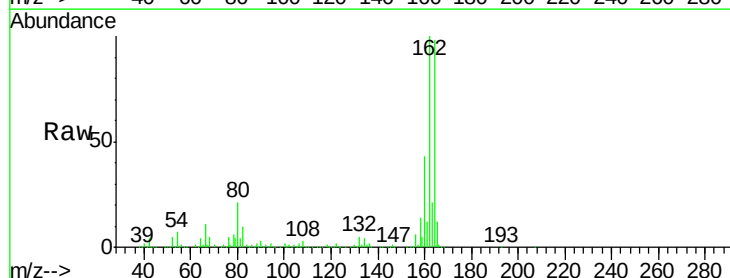
Instrument :
BNA_M
ClientSampleId :
4352

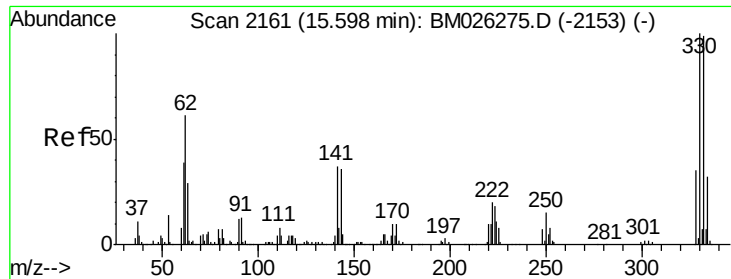
Tot Ion	82	Resp	479681
Ion Ratio	Lower	Upper	
82	100		
128	38.5	31.0	46.6
54	57.1	45.4	68.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.06 min Scan# 1899
Delta R.T. 0.00 min
Lab File: BM026404.D
Acq: 15 Jun 2020 22:45

Tgt Ion	164	Resp	244987
Ion Ratio	Lower	Upper	
164	100		
162	102.2	77.7	116.5
160	43.9	34.2	51.2

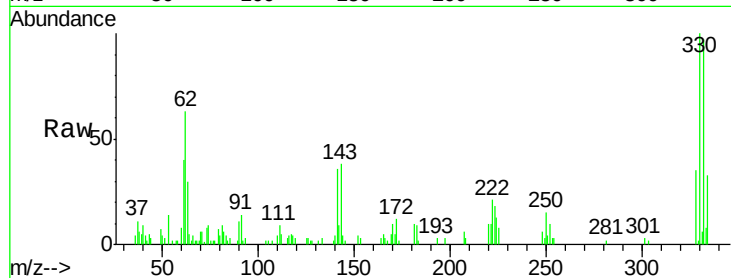




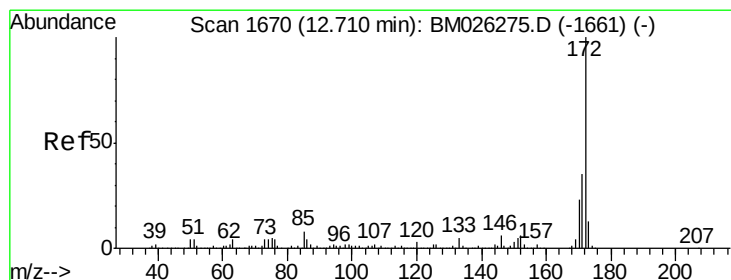
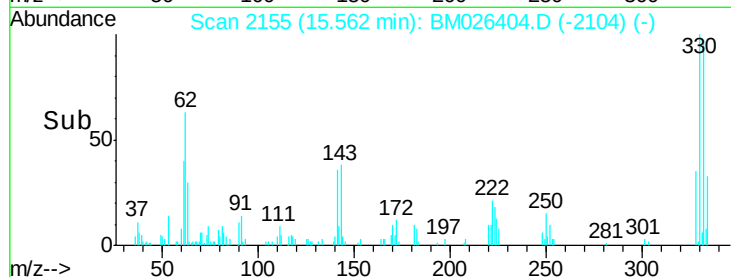
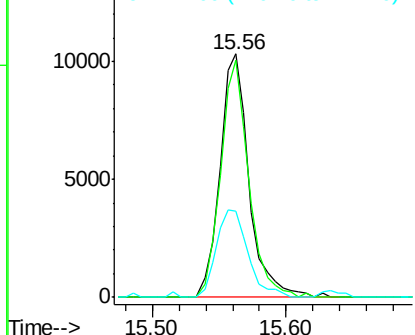
#42
 2,4,6-Tribromophenol
 Concen: 5.321 ng
 RT: 15.56 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: BM026404.D
 Acq: 15 Jun 2020 22:45

Instrument :
 BNA_M
 ClientSampleId :
 4352

Tot Ion:330 Resp: 15792
 Ion Ratio Lower Upper
 330 100
 332 94.3 77.7 116.5
 141 39.2 29.7 44.5

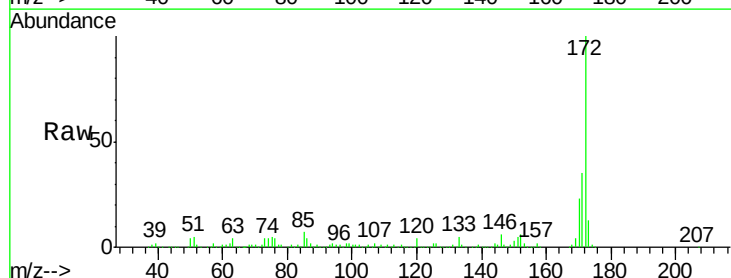


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

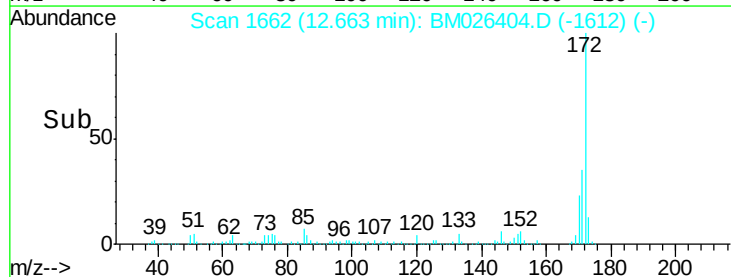
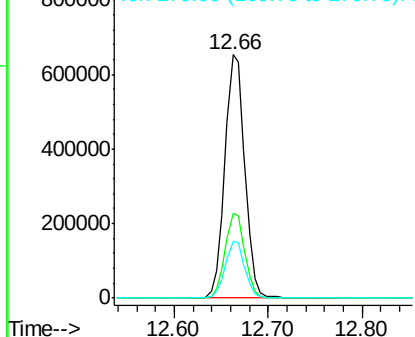


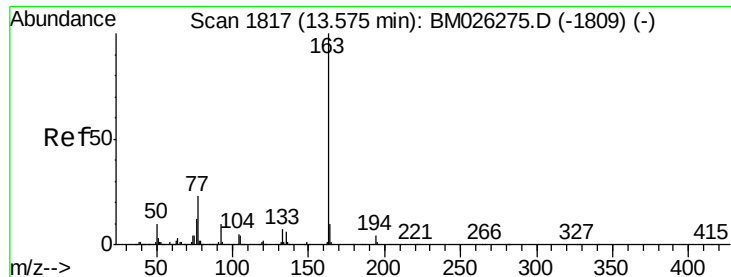
#45
 2-Fluorobiphenyl
 Concen: 59.850 ng
 RT: 12.66 min Scan# 1662
 Delta R.T. -0.01 min
 Lab File: BM026404.D
 Acq: 15 Jun 2020 22:45

Tgt Ion:172 Resp: 965933
 Ion Ratio Lower Upper
 172 100
 171 34.9 27.8 41.8
 170 23.1 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: 5.622 ng

RT: 13.53 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BM026404.D

Acq: 15 Jun 2020 22:45

Instrument :

BNA_M

ClientSampleId :

4352

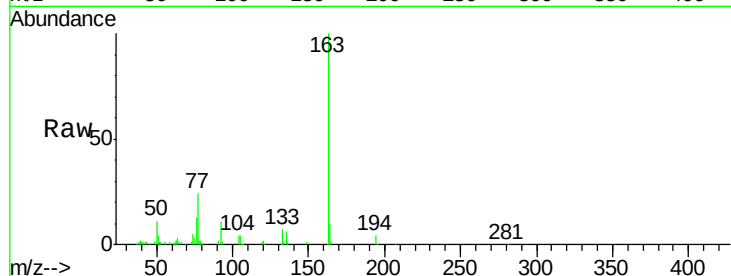
Tot Ion:163 Resp: 100748

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.2

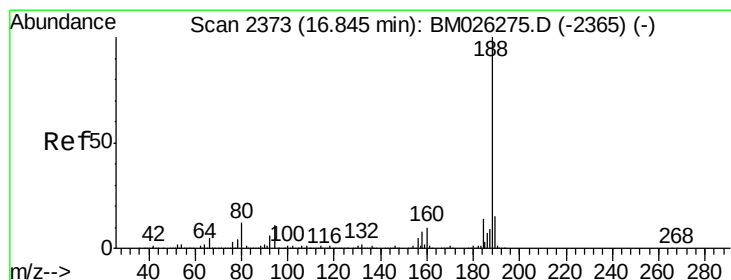
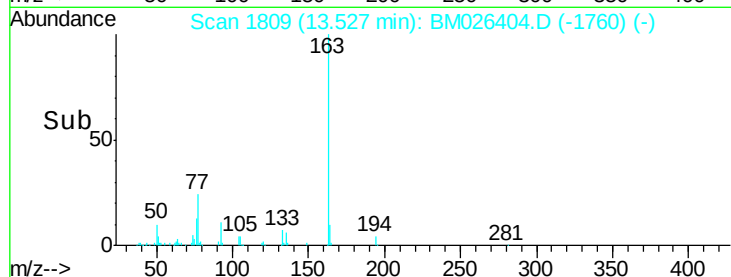
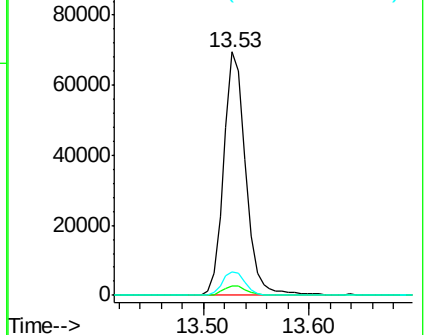
164 9.6 7.8 11.8



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. -0.01 min

Lab File: BM026404.D

Acq: 15 Jun 2020 22:45

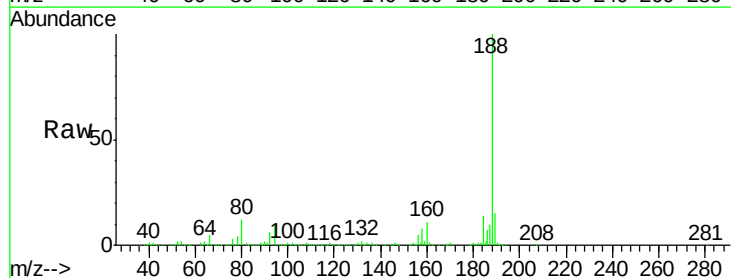
Tgt Ion:188 Resp: 522453

Ion Ratio Lower Upper

188 100

94 9.6 7.8 11.6

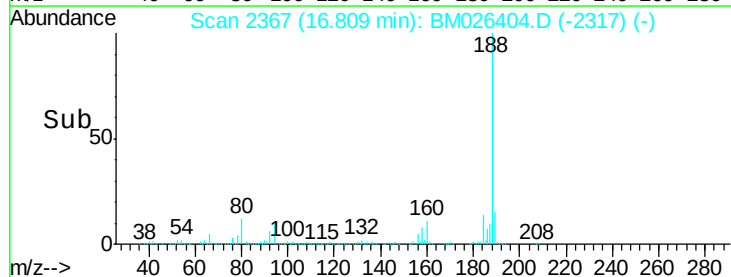
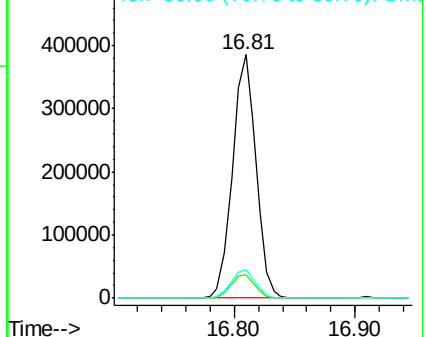
80 11.6 9.5 14.3

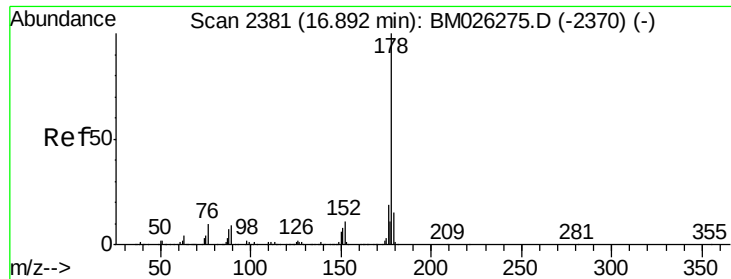


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

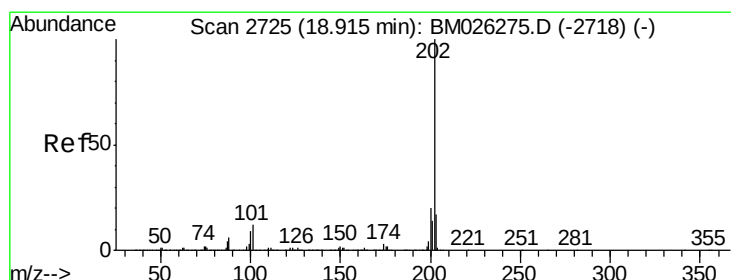
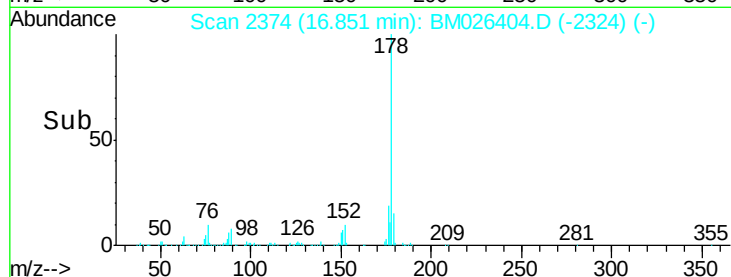
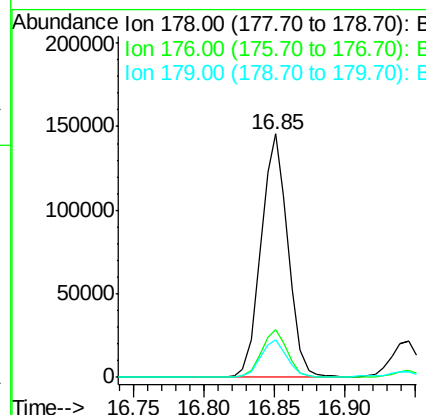
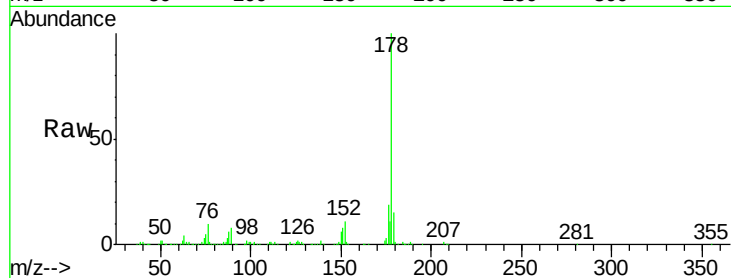




#71
Phenanthrene
Concen: 7.161 ng
RT: 16.85 min Scan# 2374
Delta R.T. -0.01 min
Lab File: BM026404.D
Acq: 15 Jun 2020 22:45

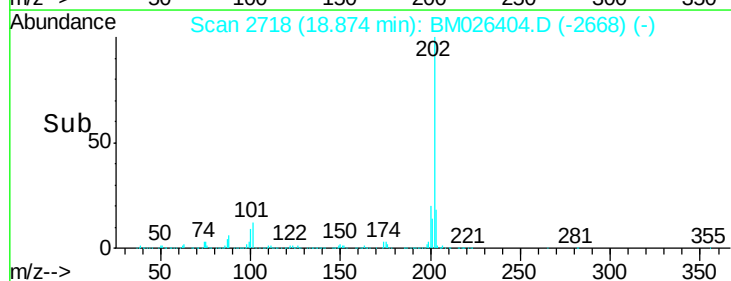
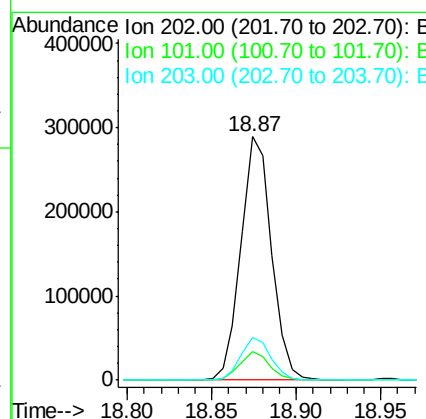
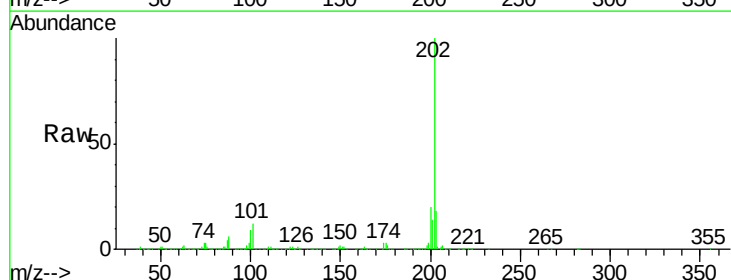
Instrument :
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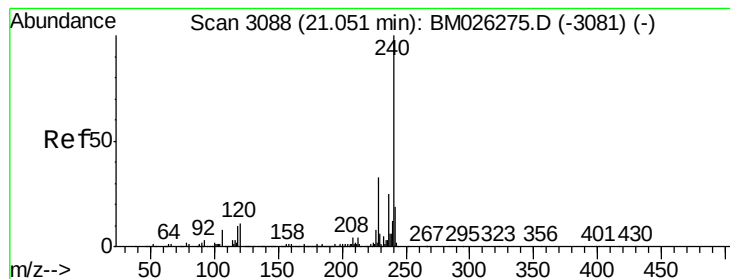
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.1	22.7
179	15.4	12.3	18.5



#75
Fluoranthene
Concen: 11.695 ng
RT: 18.87 min Scan# 2718
Delta R.T. -0.01 min
Lab File: BM026404.D
Acq: 15 Jun 2020 22:45

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.9
203	17.6	0.0	37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.02 min Scan# 3082

Delta R.T. -0.01 min

Lab File: BM026404.D

Acq: 15 Jun 2020 22:45

Instrument :

BNA_M

ClientSampleId :

4352

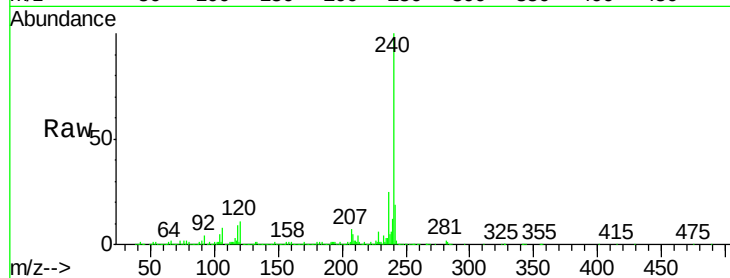
Tot Ion:240 Resp: 560984

Ion Ratio Lower Upper

240 100

120 10.5 9.3 13.9

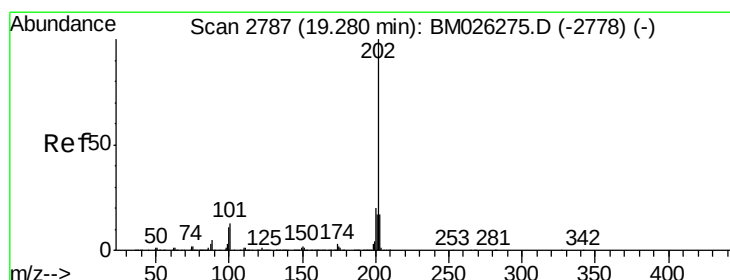
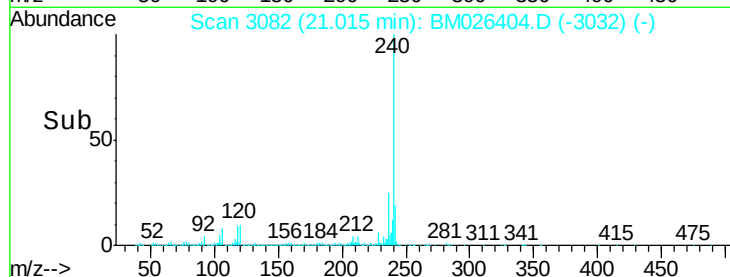
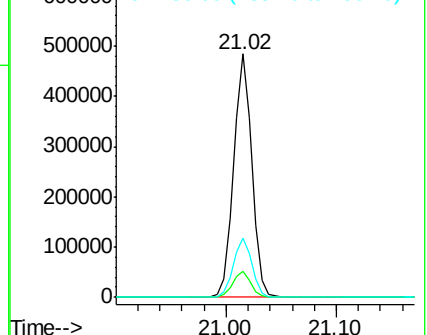
236 24.6 19.4 29.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 13.080 ng

RT: 19.24 min Scan# 2780

Delta R.T. -0.01 min

Lab File: BM026404.D

Acq: 15 Jun 2020 22:45

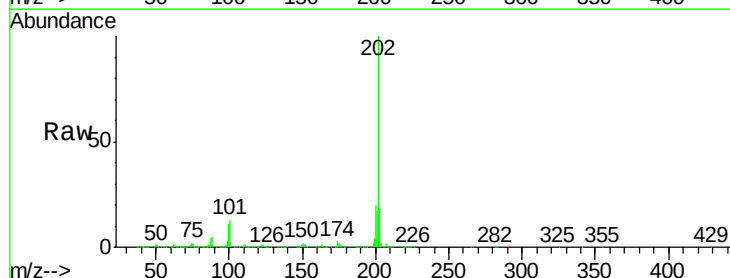
Tgt Ion:202 Resp: 484824

Ion Ratio Lower Upper

202 100

200 20.3 16.3 24.5

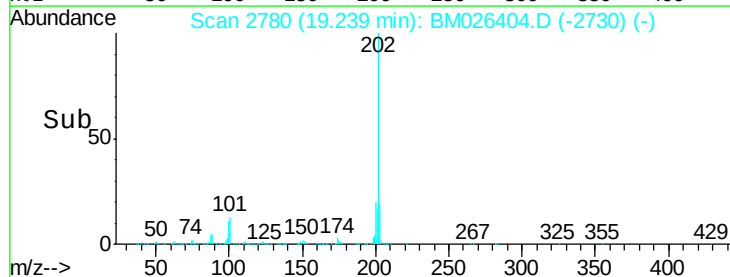
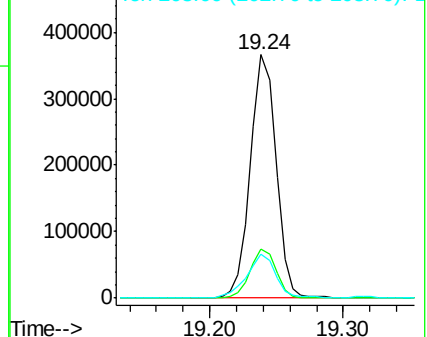
203 18.0 13.8 20.6

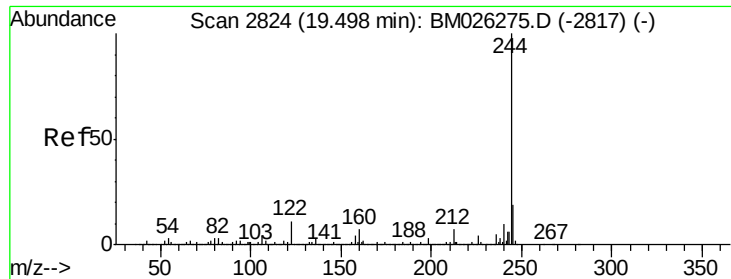


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 54.709 ng

RT: 19.46 min Scan# 2818

Delta R.T. -0.01 min

Lab File: BM026404.D

Acq: 15 Jun 2020 22:45

Instrument :

BNA_M

ClientSampleId :

4352

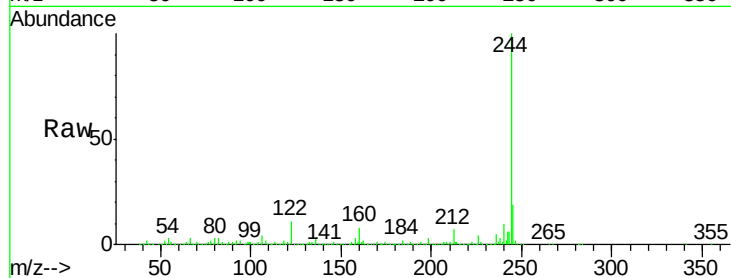
Tot Ion:244 Resp: 1581036

Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

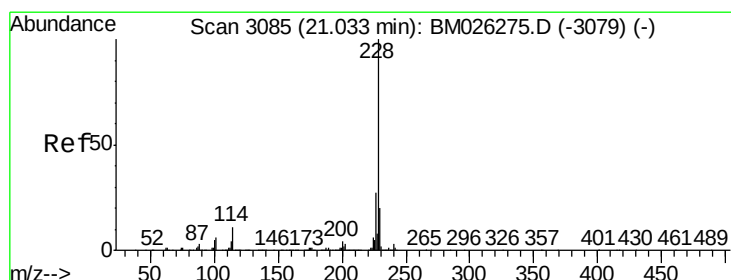
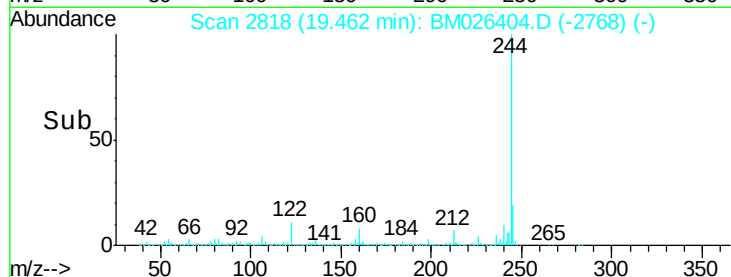
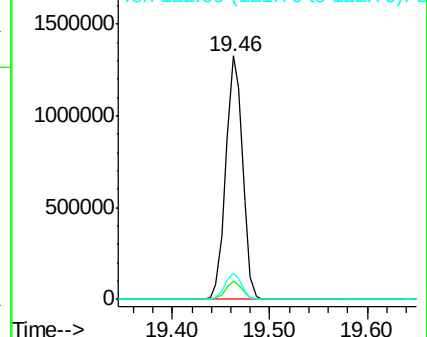
122 10.6 8.6 13.0



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: 5.565 ng

RT: 21.00 min Scan# 3079

Delta R.T. -0.01 min

Lab File: BM026404.D

Acq: 15 Jun 2020 22:45

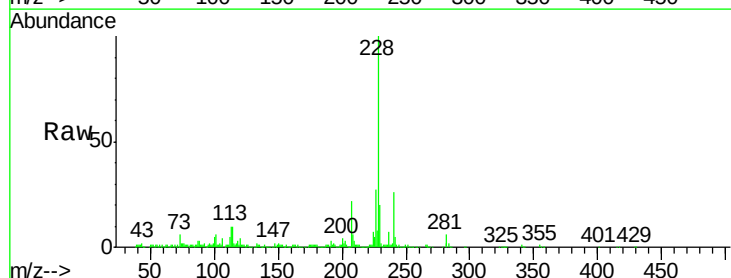
Tgt Ion:228 Resp: 187387

Ion Ratio Lower Upper

228 100

226 26.8 21.1 31.7

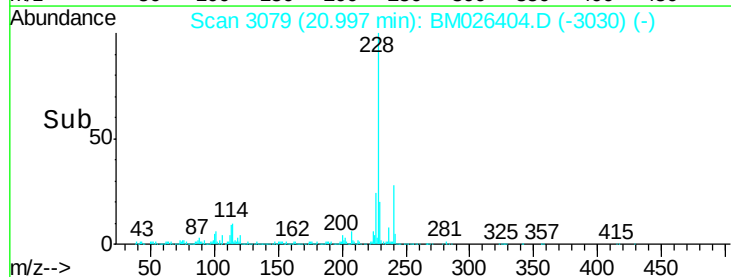
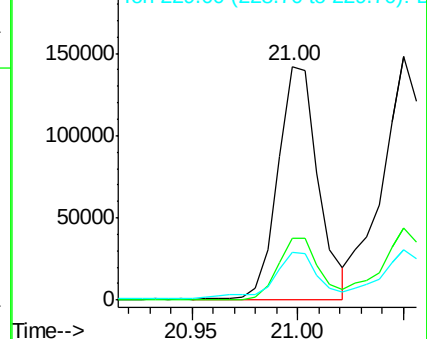
229 20.3 15.7 23.5

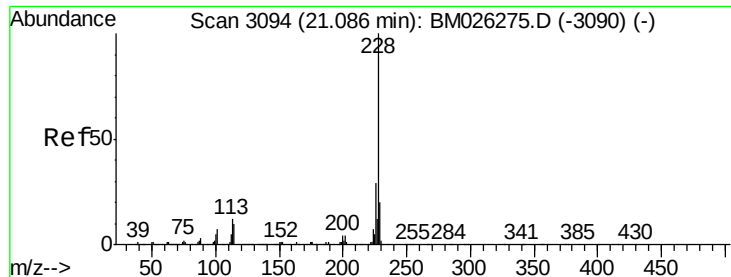


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 6.328 ng

RT: 21.05 min Scan# 3088

Delta R.T. -0.01 min

Lab File: BM026404.D

Acq: 15 Jun 2020 22:45

Instrument :

BNA_M

ClientSampleId :

4352

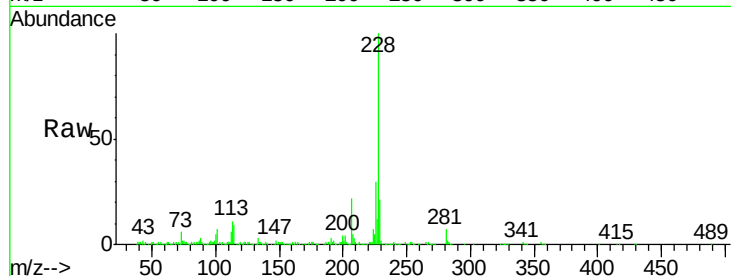
Tot Ion:228 Resp: 203052

Ion Ratio Lower Upper

228 100

226 29.7 23.8 35.6

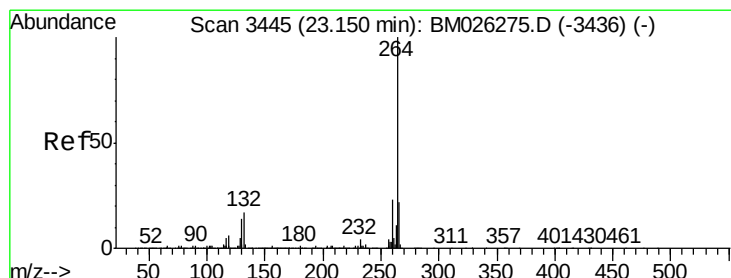
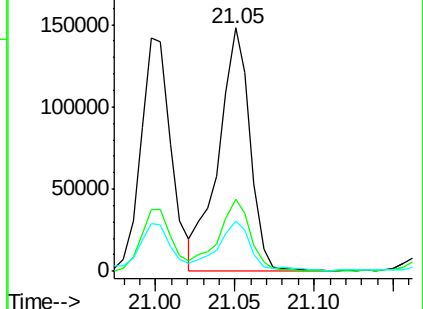
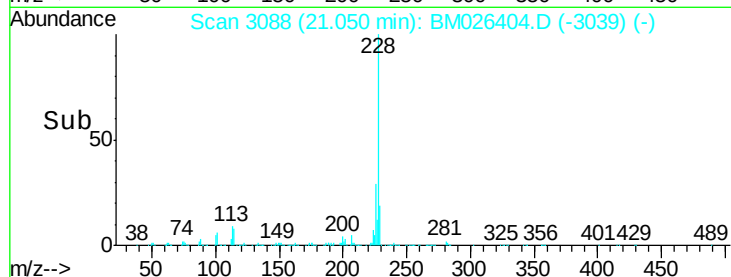
229 20.9 15.5 23.3



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.10 min Scan# 3437

Delta R.T. -0.01 min

Lab File: BM026404.D

Acq: 15 Jun 2020 22:45

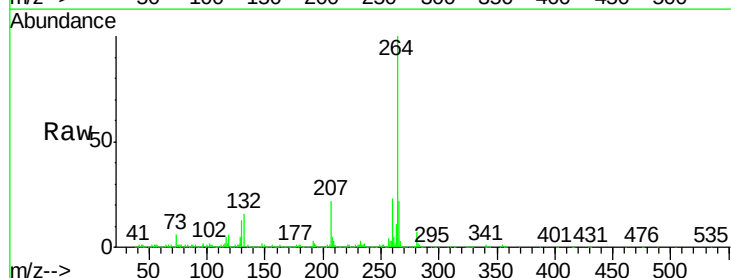
Tgt Ion:264 Resp: 596866

Ion Ratio Lower Upper

264 100

260 23.1 18.6 28.0

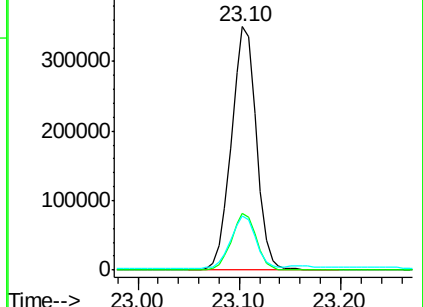
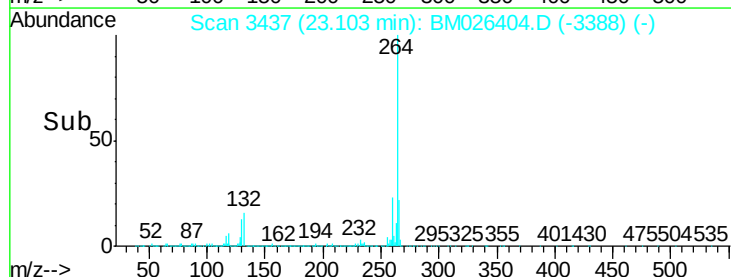
265 22.4 17.8 26.6

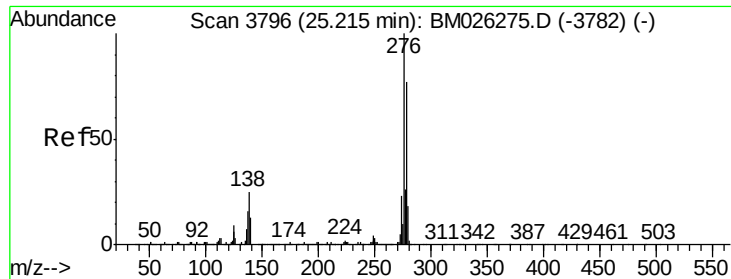


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

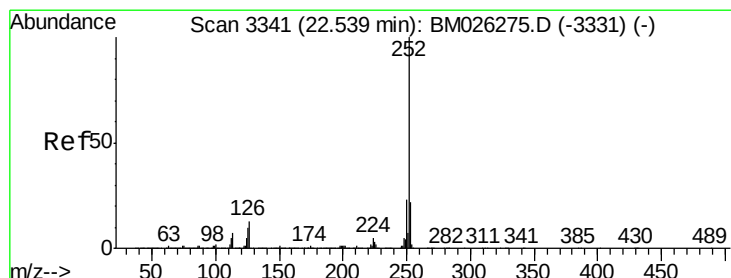
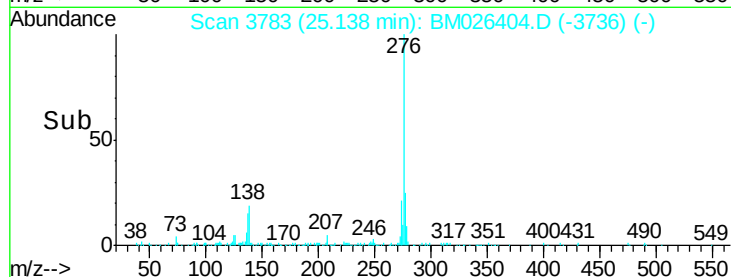
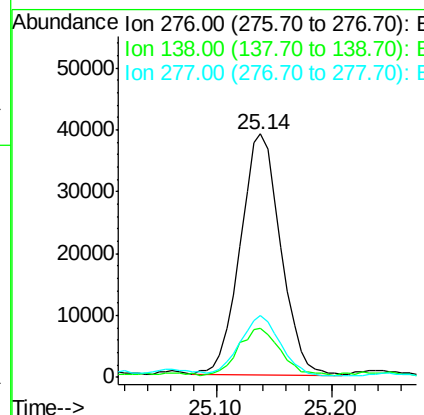
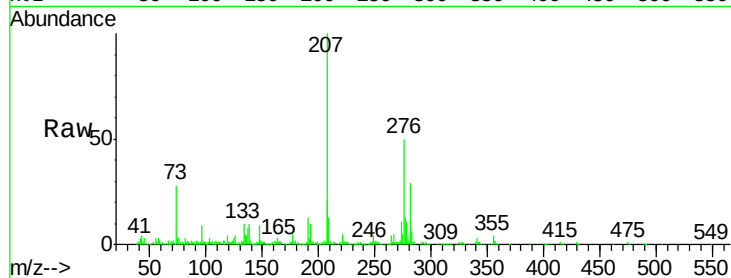




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.745 ng
 RT: 25.14 min Scan# 3783
 Delta R.T. -0.02 min
 Lab File: BM026404.D
 Acq: 15 Jun 2020 22:45

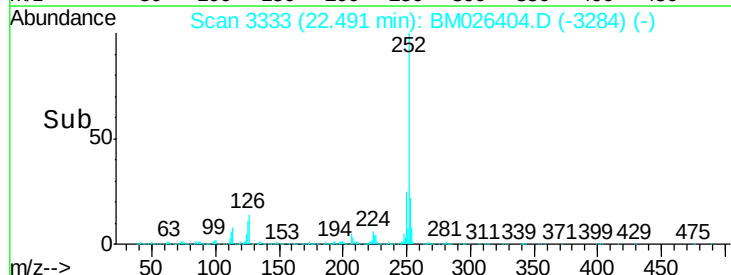
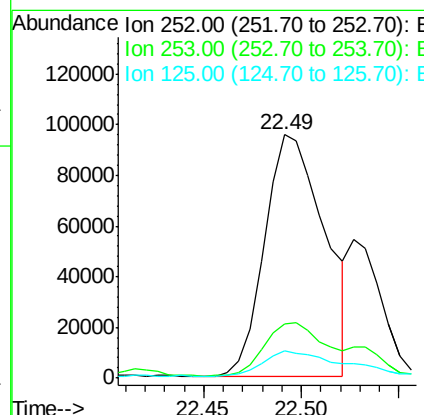
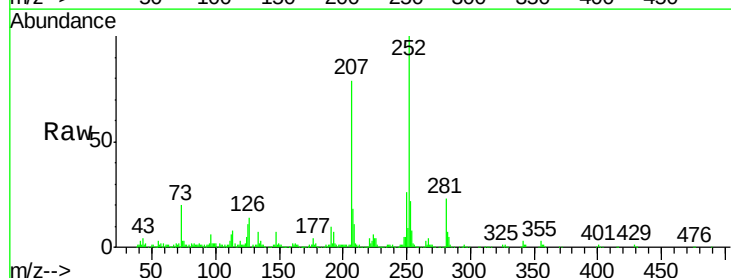
Instrument :
 BNA_M
 ClientSampled :
 4352

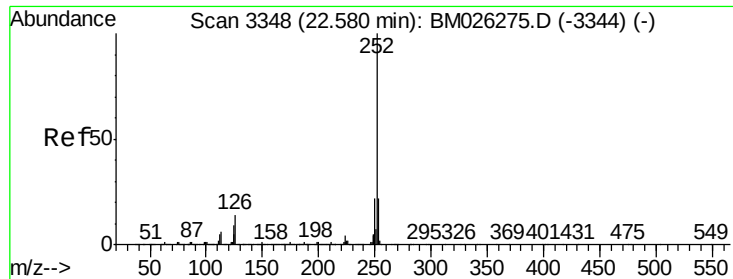
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.2	19.0	28.6
277	25.3	20.2	30.4



#88
 Benzo(b)fluoranthene
 Concen: 5.649 ng
 RT: 22.49 min Scan# 3333
 Delta R.T. -0.01 min
 Lab File: BM026404.D
 Acq: 15 Jun 2020 22:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	11.2	8.0	12.0





#89

Benzo(k)fluoranthene

Concen: 5.814 ng

RT: 22.49 min Scan# 3333

Delta R.T. -0.05 min

Lab File: BM026404.D

Acq: 15 Jun 2020 22:45

Instrument :

BNA_M

ClientSampleId :

4352

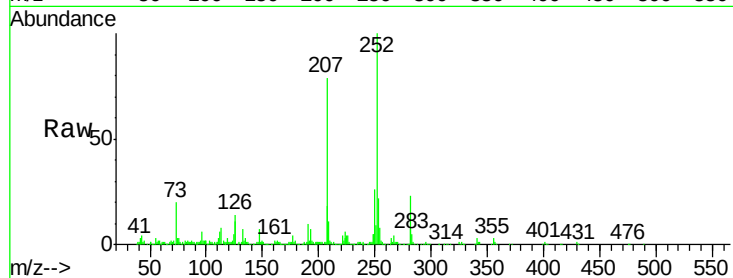
Tot Ion:252 Resp: 202821

Ion Ratio Lower Upper

252 100

253 22.0 17.2 25.8

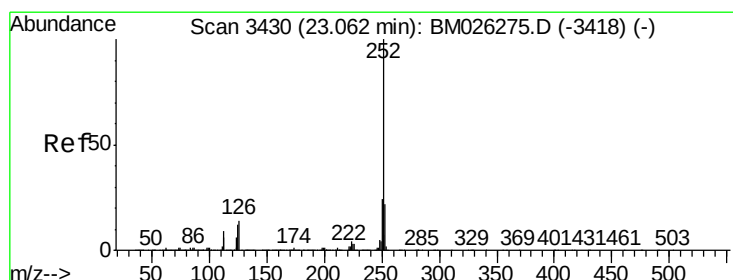
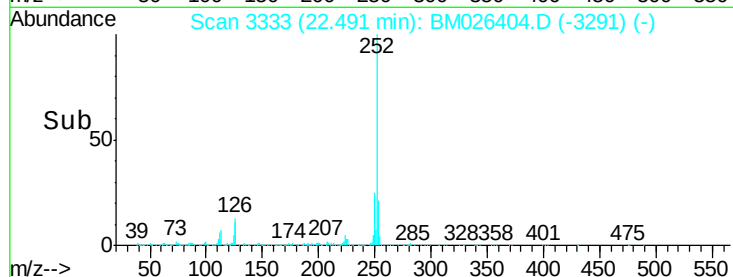
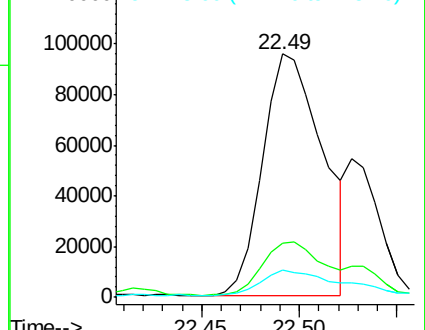
125 11.2 7.8 11.8



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: 5.090 ng

RT: 23.01 min Scan# 3422

Delta R.T. -0.01 min

Lab File: BM026404.D

Acq: 15 Jun 2020 22:45

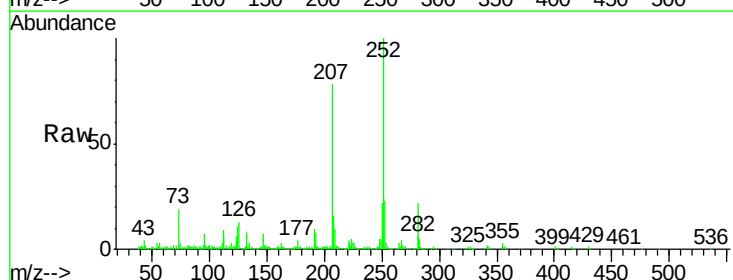
Tgt Ion:252 Resp: 162326

Ion Ratio Lower Upper

252 100

253 22.8 17.3 25.9

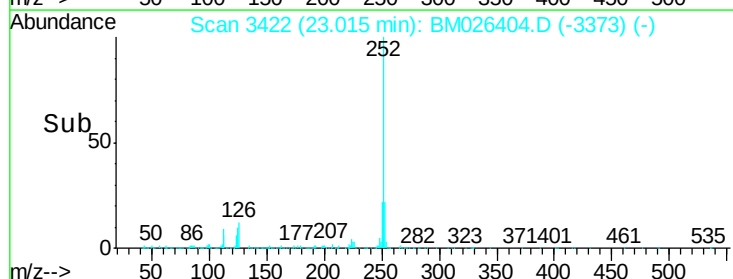
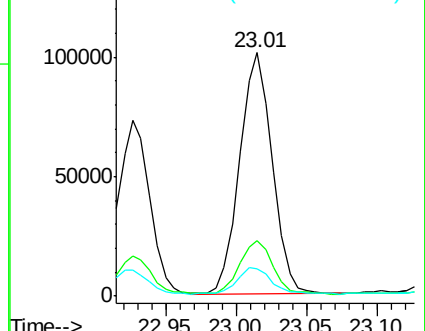
125 11.1 8.6 12.8

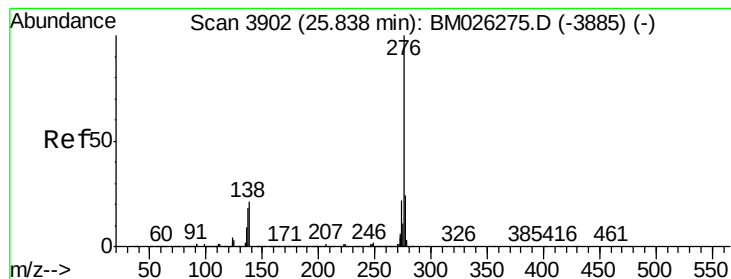


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a,h,i)perylene

Concen: 3.787 ng

RT: 25.76 min Scan# 3888

Delta R.T. -0.02 min

Lab File: BM026404.D

Acq: 15 Jun 2020 22:45

Instrument :

BNA_M

ClientSampleId :

4352

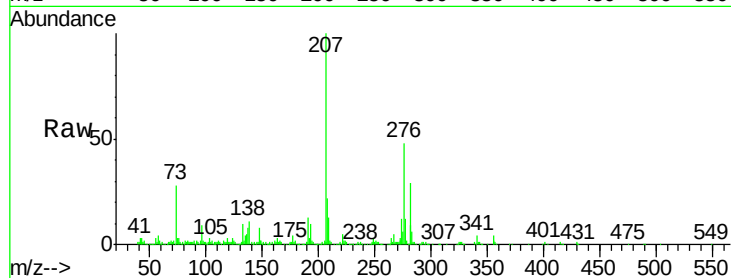
Tot Ion: 276 Resp: 103887

Ion Ratio Lower Upper

276 100

277 24.1 19.0 28.4

138 21.8 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

