

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061620\
 Data File : BM026423.D
 Acq On : 16 Jun 2020 21:42
 Operator : JU/CG
 Sample : L3013-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 V-202

Quant Time: Jun 17 01:17:43 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	128881	20.00	ng	0.00
21) Naphthalene-d8	10.16	136	513921	20.00	ng	0.00
39) Acenaphthene-d10	14.05	164	300802	20.00	ng	0.00
64) Phenanthrene-d10	16.81	188	612140	20.00	ng	0.00
76) Chrysene-d12	21.02	240	613414	20.00	ng	0.00
86) Perylene-d12	23.11	264	666348	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.04	112	683474	93.76	ng	0.00
7) Phenol-d6	6.61	99	969314	91.83	ng	0.00
23) Nitrobenzene-d5	8.55	82	655339	62.61	ng	0.00
42) 2,4,6-Tribromophenol	15.56	330	350196	96.11	ng	0.00
45) 2-Fluorobiphenyl	12.66	172	1339215	67.58	ng	0.00
79) Terphenyl-d14	19.46	244	1966586	62.23	ng	0.00

Target Compounds

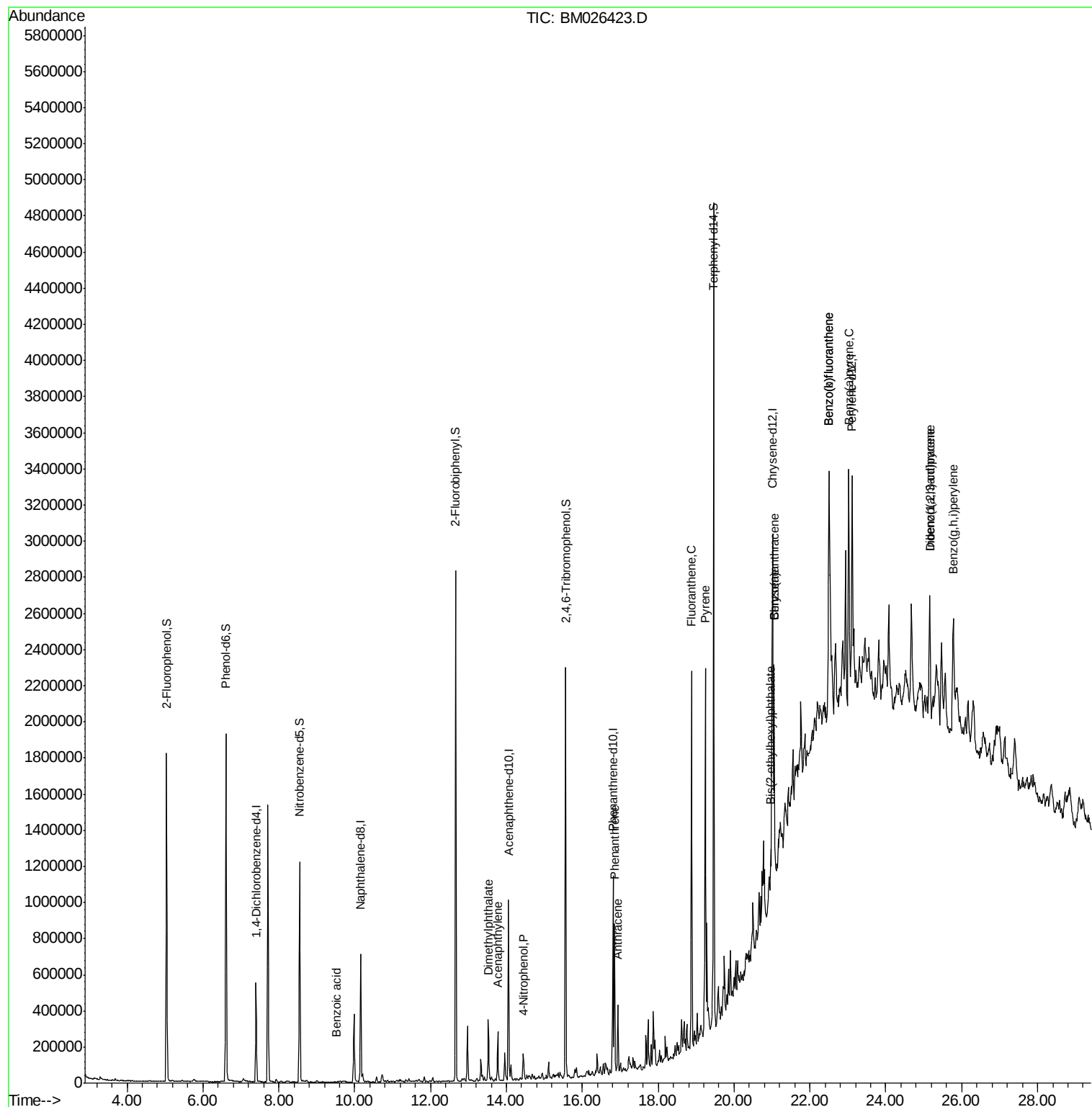
						Qvalue
32) Benzoic acid	9.50	122	65	5.174	ng	# 49
49) Acenaphthylene	13.77	152	184579	6.737	ng	99
50) Dimethylphthalate	13.53	163	194878	8.857	ng	99
56) 4-Nitrophenol	14.46	139	12971	3.042	ng	# 3
71) Phenanthrene	16.85	178	468827	14.707	ng	99
72) Anthracene	16.94	178	198882	6.251	ng	99
75) Fluoranthene	18.87	202	1184478	32.410	ng	99
78) Pyrene	19.24	202	1135038	28.005	ng	100
81) Benzo(a)anthracene	21.05	228	670657	18.215	ng	94
83) Chrysene	21.05	228	670657	19.114	ng	97
84) Bis(2-ethylhexyl)phthalate	20.96	149	52632	2.252	ng	# 94
87) Indeno(1,2,3-cd)pyrene	25.16	276	552529	14.334	ng	95
88) Benzo(b)fluoranthene	22.50	252	1036118	25.848	ng	# 94
89) Benzo(k)fluoranthene	22.50	252	1036118	26.606	ng	# 93
90) Benzo(a)pyrene	23.02	252	758581	21.308	ng	# 93
91) Dibenzo(a,h)anthracene	25.16	278	137928	4.286	ng	# 75
92) Benzo(a,h,i)perylene	25.78	276	557050	18.191	ng	96

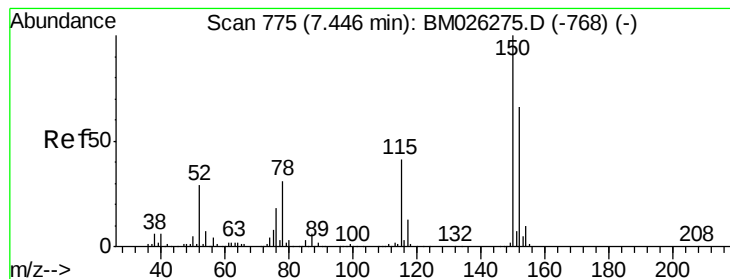
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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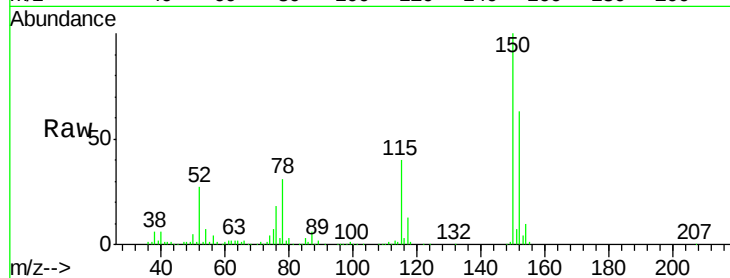


#1

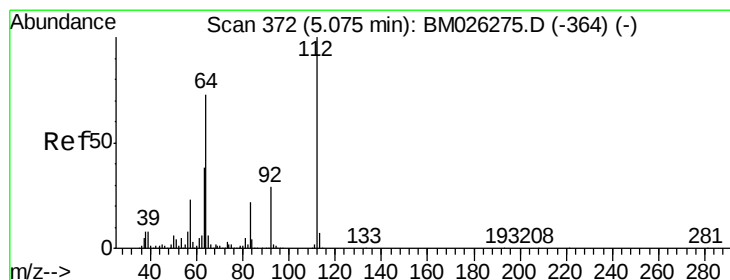
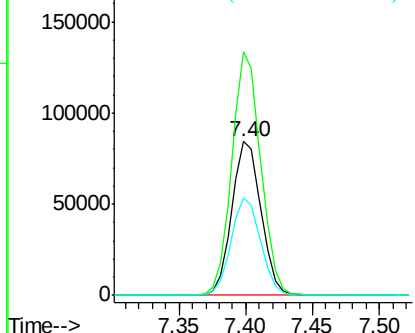
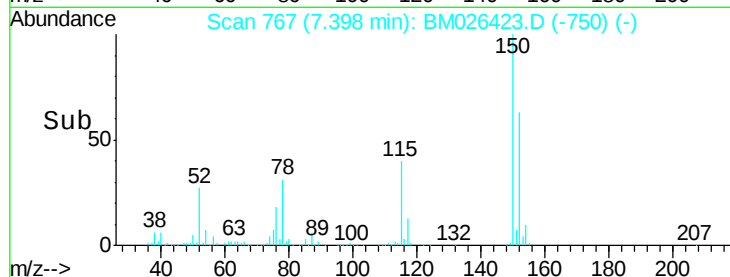
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.40 min Scan# 767
Delta R.T. -0.00 min
Lab File: BM026423.D
Acq: 16 Jun 2020 21:42

Instrument :
BNA_M
ClientSampleId :
V-202

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	127.8	191.6
115	63.6	51.5	77.3



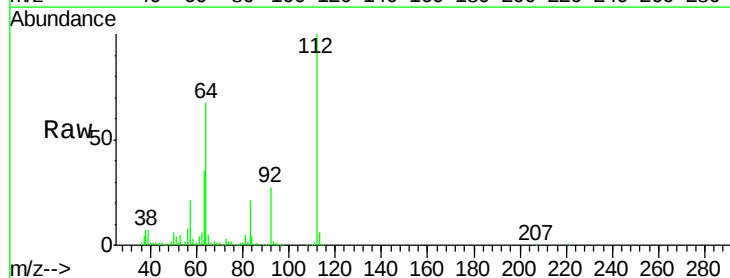
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



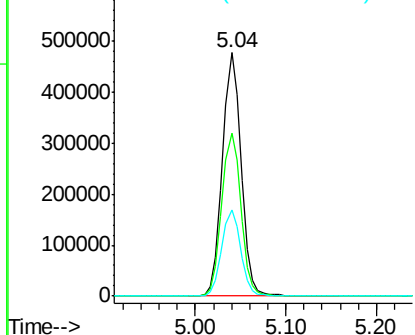
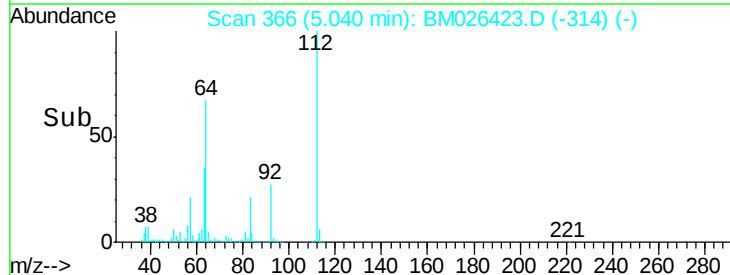
#5

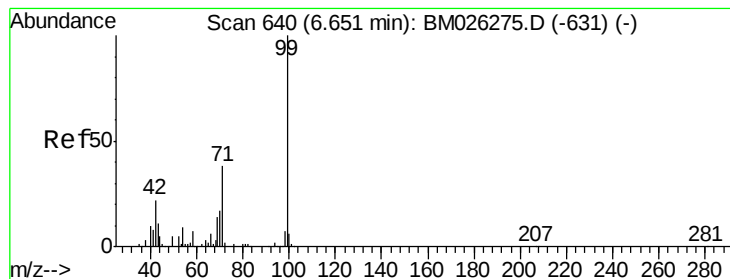
2-Fluorophenol
Concen: 93.761 ng
RT: 5.04 min Scan# 366
Delta R.T. 0.01 min
Lab File: BM026423.D
Acq: 16 Jun 2020 21:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.8	56.0	84.0
63	35.2	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: 91.829 ng

RT: 6.61 min Scan# 633

Delta R.T. 0.01 min

Lab File: BM026423.D

Acq: 16 Jun 2020 21:42

Instrument :

BNA_M

ClientSampleId :

V-202

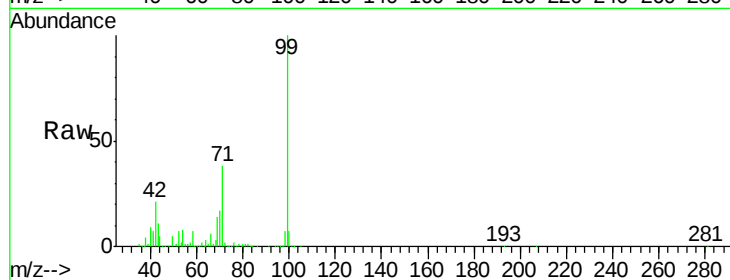
Tot Ion: 99 Resp: 969314

Ion Ratio Lower Upper

99 100

42 20.7 17.8 26.6

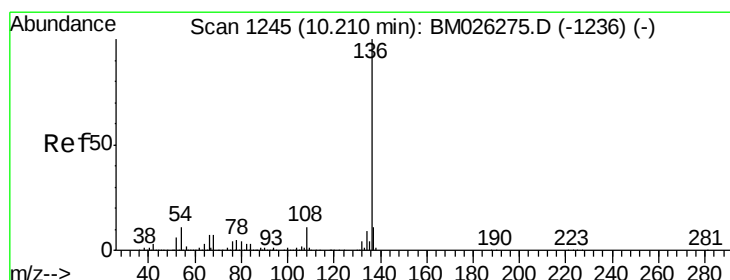
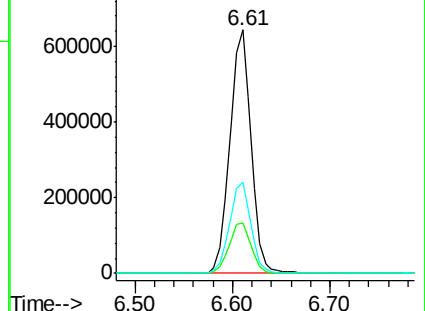
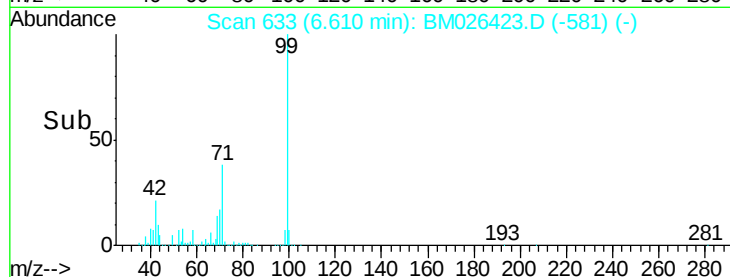
71 37.7 31.0 46.4



Abundance Ion 99.00 (98.70 to 99.70): BM026423.D (-631) (-)

Ion 42.00 (41.70 to 42.70): BM026423.D (-631) (-)

Ion 71.00 (70.70 to 71.70): BM026423.D (-631) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.16 min Scan# 1236

Delta R.T. -0.00 min

Lab File: BM026423.D

Acq: 16 Jun 2020 21:42

Tgt Ion: 136 Resp: 513921

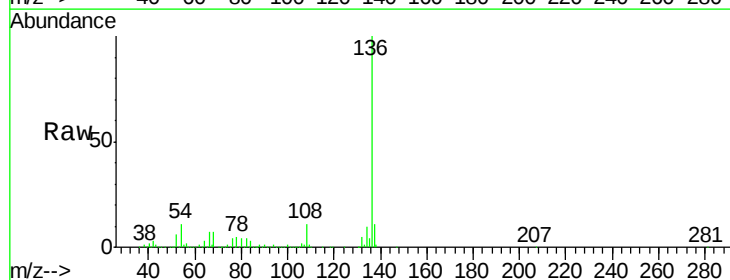
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 11.4 9.0 13.6

68 7.4 5.6 8.4

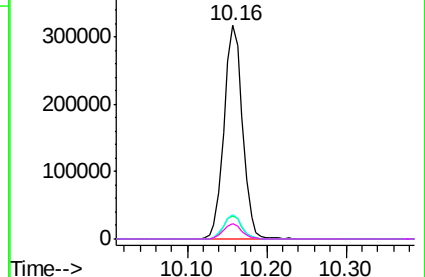
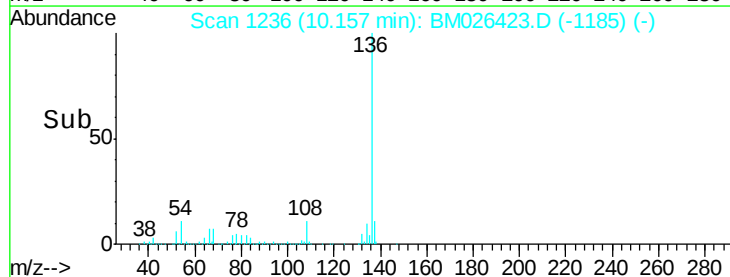


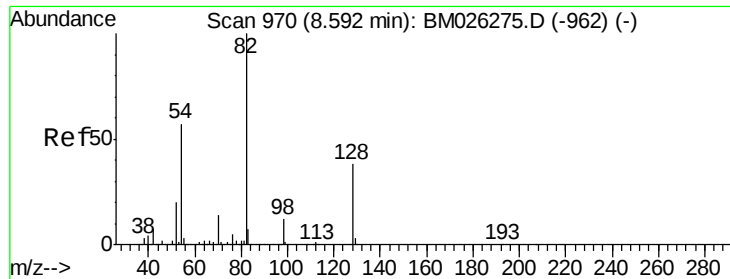
Abundance Ion 136.00 (135.70 to 136.70): BM026423.D (-1185) (-)

Ion 137.00 (136.70 to 137.70): BM026423.D (-1185) (-)

Ion 54.00 (53.70 to 54.70): BM026423.D (-1185) (-)

Ion 68.00 (67.70 to 68.70): BM026423.D (-1185) (-)

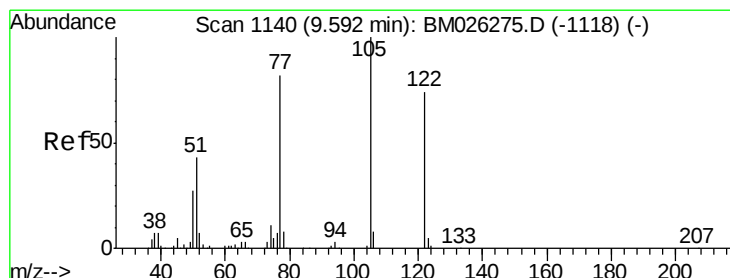
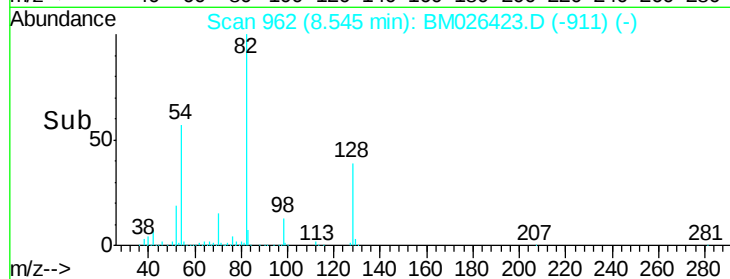
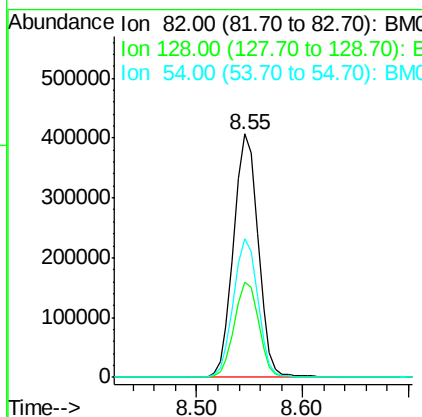
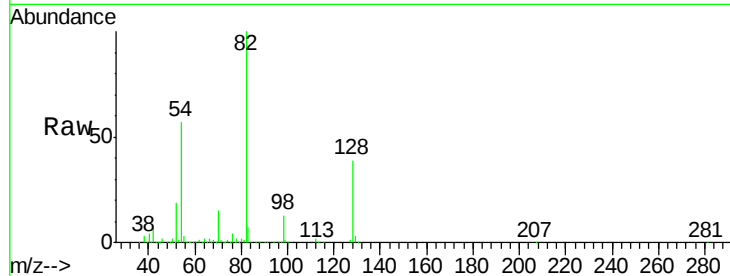




#23
 Nitrobenzene-d5
 Concen: 62.611 ng
 RT: 8.55 min Scan# 962
 Delta R.T. -0.00 min
 Lab File: BM026423.D
 Acq: 16 Jun 2020 21:42

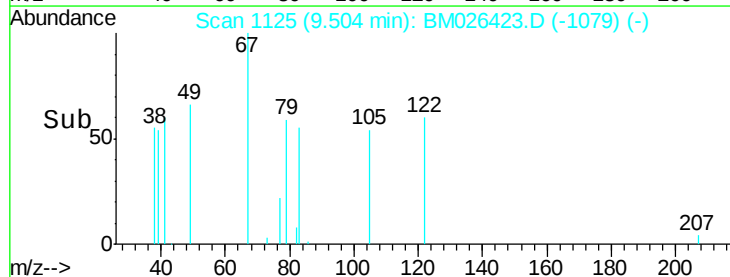
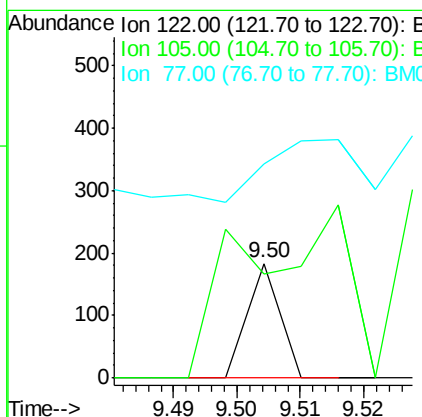
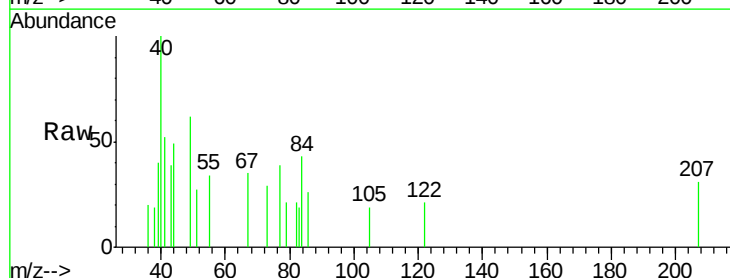
Instrument :
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 V-202

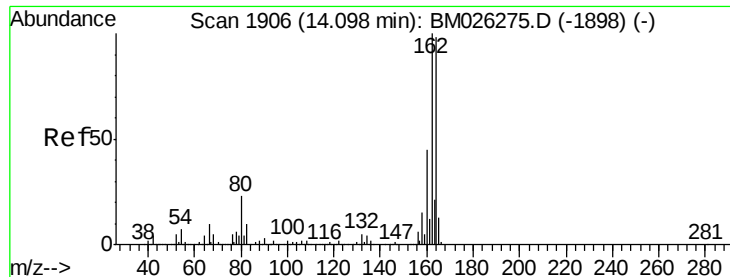
Tot Ion	82	Resp	655339
Ion Ratio	Lower	Upper	
82	100		
128	39.2	31.0	46.6
54	57.2	45.4	68.2



#32
 Benzoic acid
 Concen: 5.174 ng
 RT: 9.50 min Scan# 1125
 Delta R.T. -0.03 min
 Lab File: BM026423.D
 Acq: 16 Jun 2020 21:42

Tgt Ion	122	Resp	65
Ion Ratio	Lower	Upper	
122	100		
105	90.7	108.9	148.9#
77	186.9	90.1	130.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.05 min Scan# 1898

Delta R.T. -0.00 min

Lab File: BM026423.D

Acq: 16 Jun 2020 21:42

Instrument :

BNA_M

ClientSampleId :

V-202

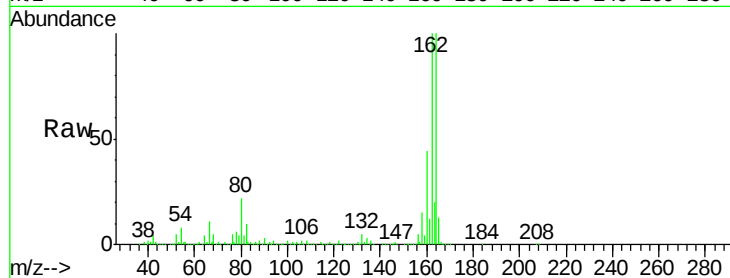
Tot Ion:164 Resp: 300802

Ion Ratio Lower Upper

164 100

162 99.6 77.7 116.5

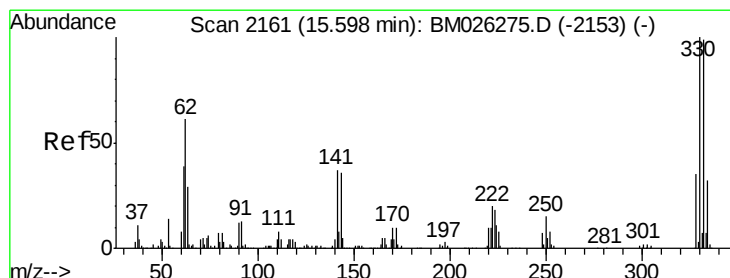
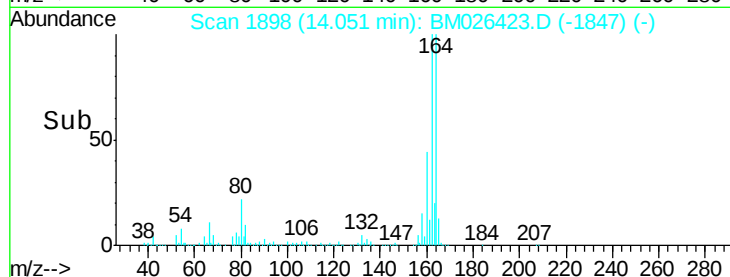
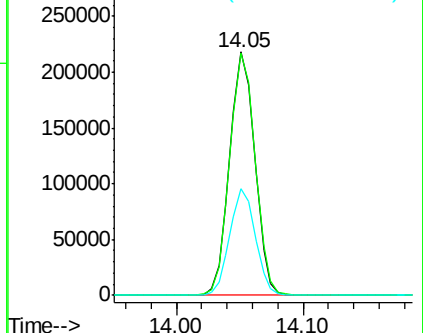
160 43.8 34.2 51.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 96.108 ng

RT: 15.56 min Scan# 2154

Delta R.T. -0.00 min

Lab File: BM026423.D

Acq: 16 Jun 2020 21:42

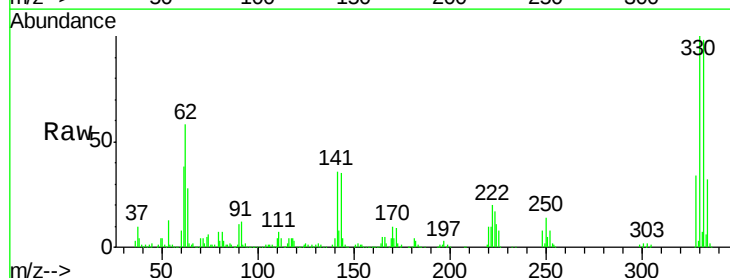
Tgt Ion:330 Resp: 350196

Ion Ratio Lower Upper

330 100

332 96.8 77.7 116.5

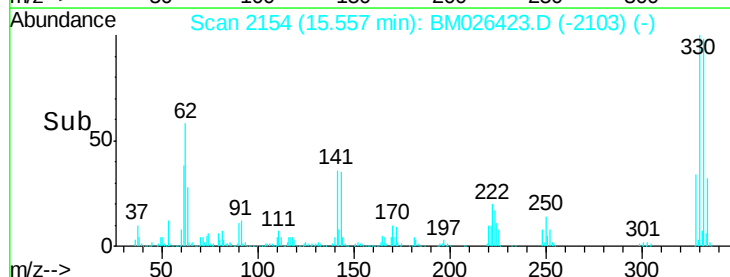
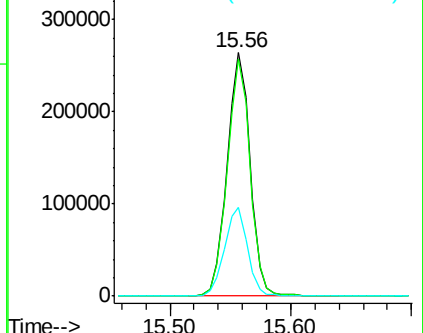
141 36.0 29.7 44.5

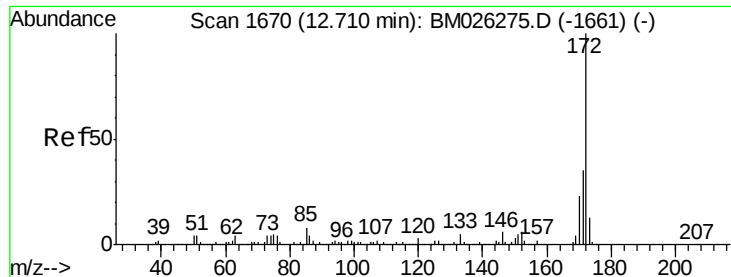


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

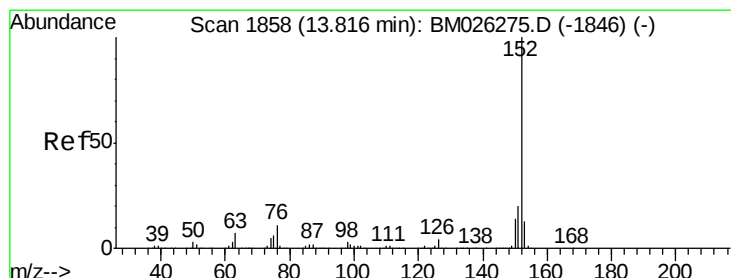
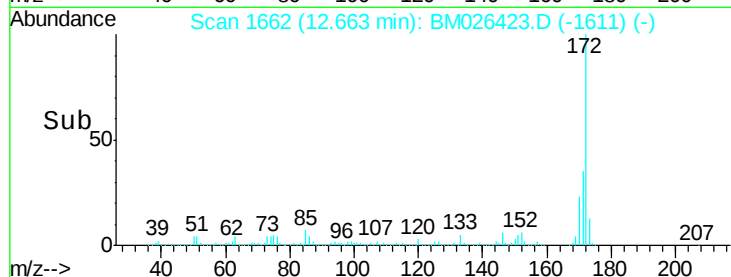
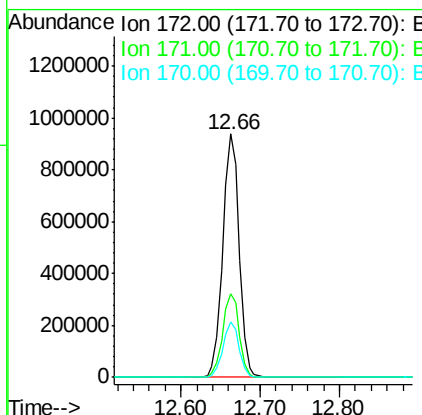
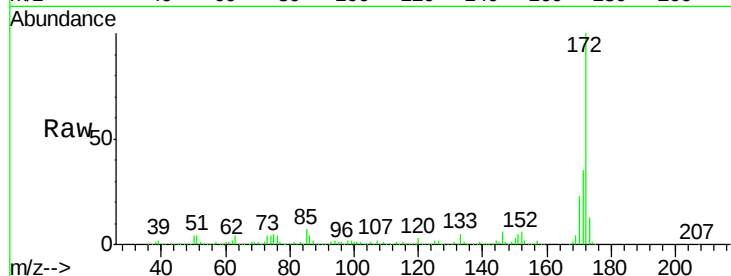




#45
2-Fluorobiphenyl
Concen: 67.582 ng
RT: 12.66 min Scan# 1662
Delta R.T. -0.00 min
Lab File: BM026423.D
Acq: 16 Jun 2020 21:42

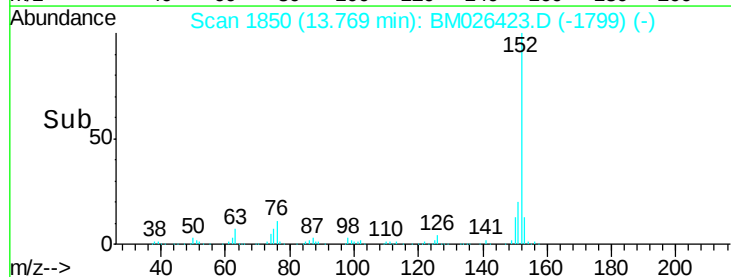
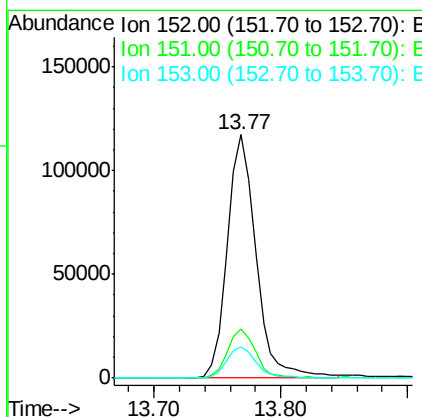
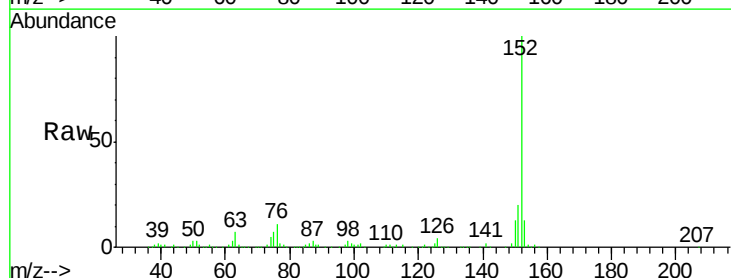
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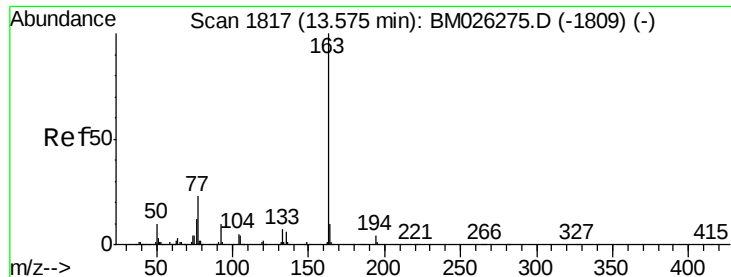
Tot Ion:172 Resp: 1339215
Ion Ratio Lower Upper
172 100
171 34.6 27.8 41.8
170 22.8 18.2 27.4



#49
Acenaphthylene
Concen: 6.737 ng
RT: 13.77 min Scan# 1850
Delta R.T. -0.00 min
Lab File: BM026423.D
Acq: 16 Jun 2020 21:42

Tgt Ion:152 Resp: 184579
Ion Ratio Lower Upper
152 100
151 20.2 15.8 23.6
153 12.8 10.1 15.1





#50

Dimethylphthalate

Concen: 8.857 ng

RT: 13.53 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BM026423.D

Acq: 16 Jun 2020 21:42

Instrument :

BNA_M

ClientSampleId :

V-202

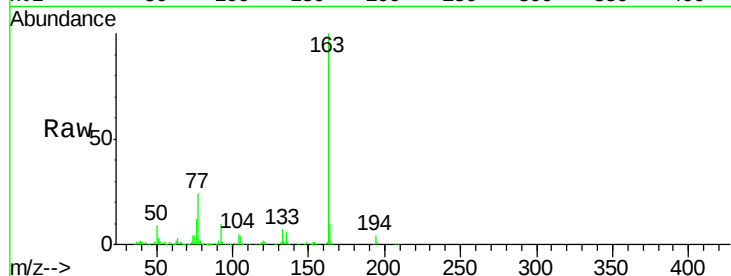
Tot Ion:163 Resp: 194878

Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.2

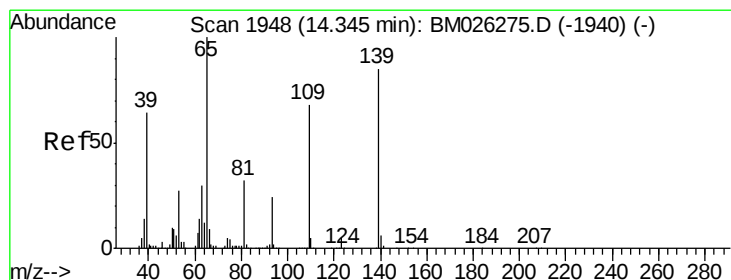
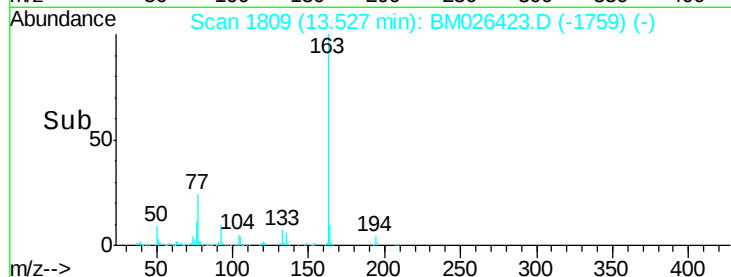
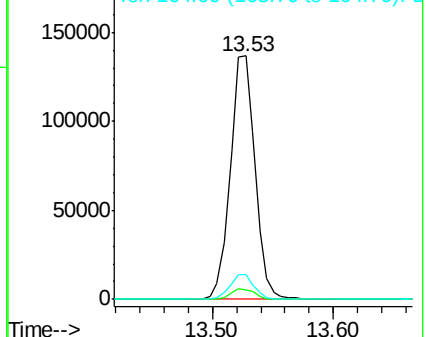
164 10.1 7.8 11.8



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



#56

4-Nitrophenol

Concen: 3.042 ng

RT: 14.46 min Scan# 1967

Delta R.T. 0.15 min

Lab File: BM026423.D

Acq: 16 Jun 2020 21:42

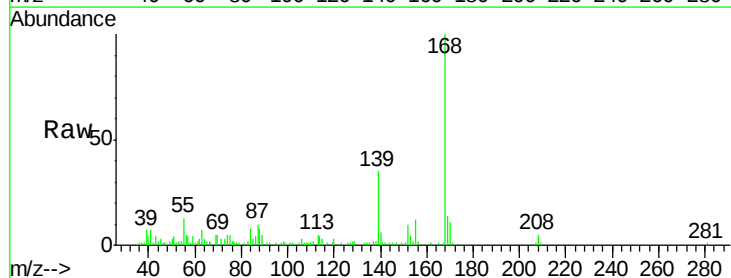
Tgt Ion:139 Resp: 12971

Ion Ratio Lower Upper

139 100

109 2.3 64.9 104.9#

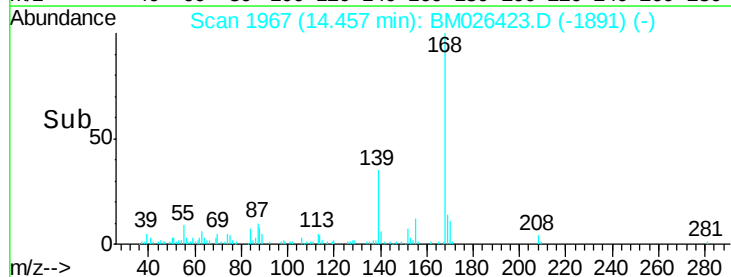
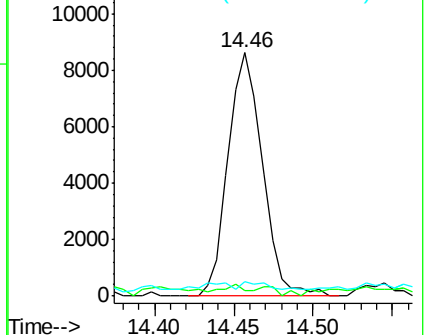
65 5.9 98.1 138.1#

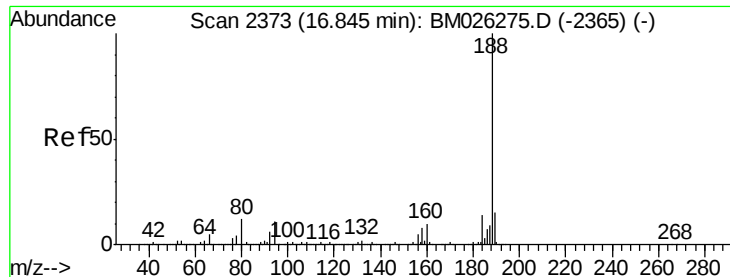


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BM





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.81 min Scan# 2367

Delta R.T. -0.00 min

Lab File: BM026423.D

Acq: 16 Jun 2020 21:42

Instrument :

BNA_M

ClientSampleId :

V-202

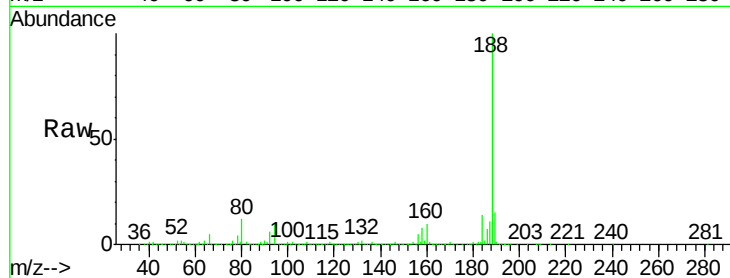
Tot Ion:188 Resp: 612140

Ion Ratio Lower Upper

188 100

94 9.6 7.8 11.6

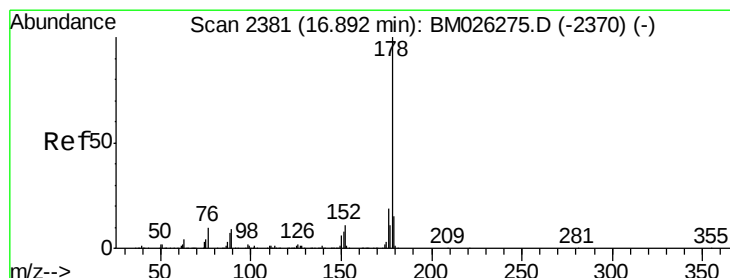
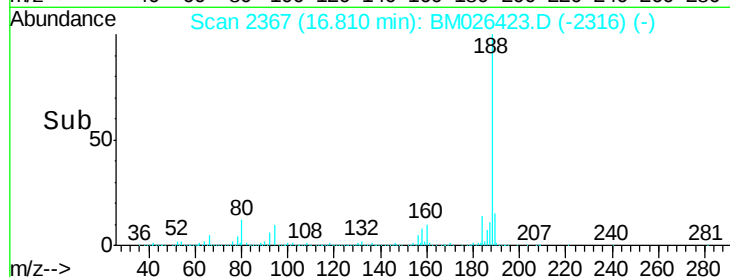
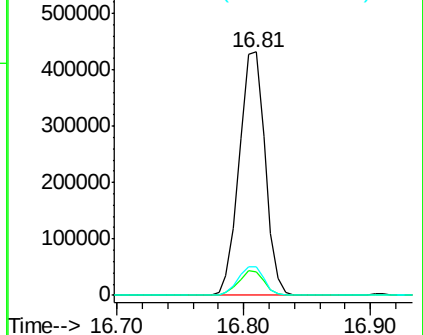
80 11.6 9.5 14.3



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: 14.707 ng

RT: 16.85 min Scan# 2374

Delta R.T. -0.00 min

Lab File: BM026423.D

Acq: 16 Jun 2020 21:42

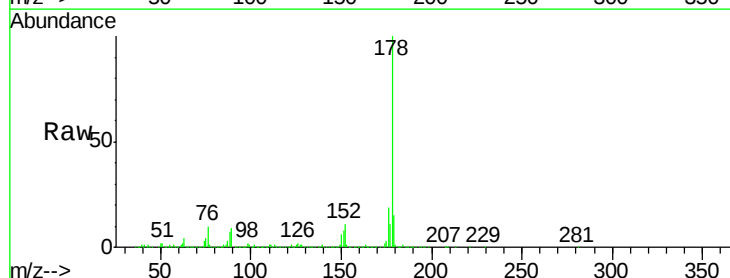
Tgt Ion:178 Resp: 468827

Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

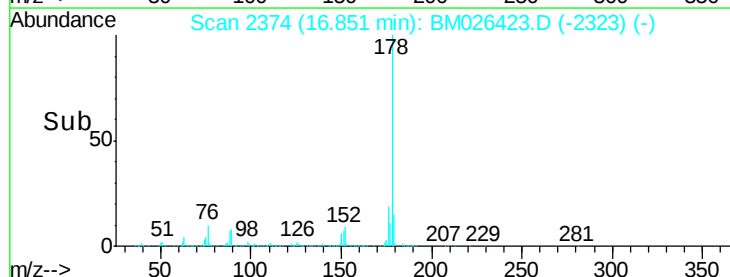
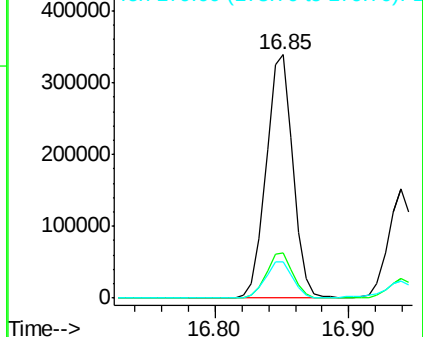
179 15.0 12.3 18.5

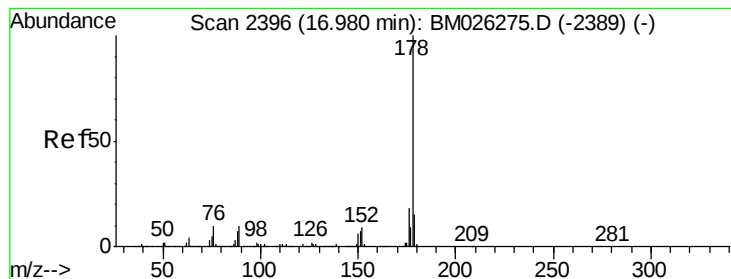


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 6.251 ng

RT: 16.94 min Scan# 2389

Delta R.T. -0.00 min

Lab File: BM026423.D

Acq: 16 Jun 2020 21:42

Instrument :

BNA_M

ClientSampleId :

V-202

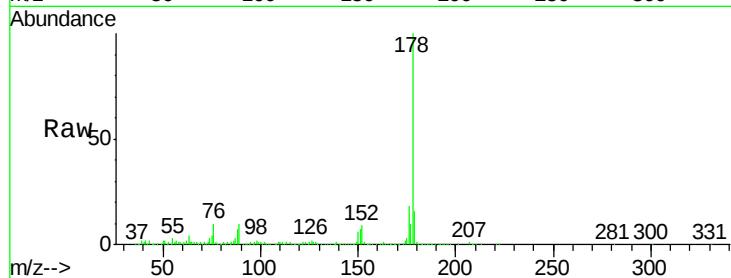
Tot Ion:178 Resp: 198882

Ion Ratio Lower Upper

178 100

176 17.6 14.5 21.7

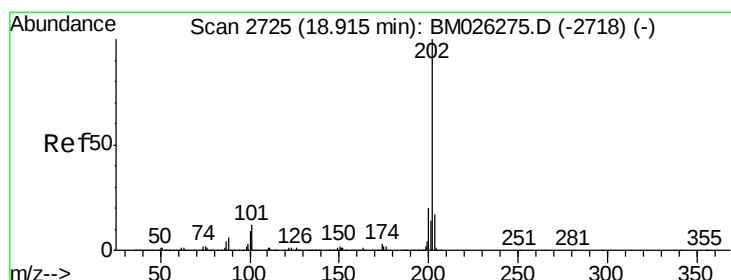
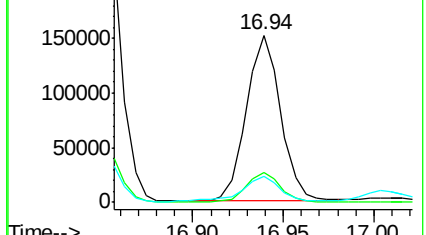
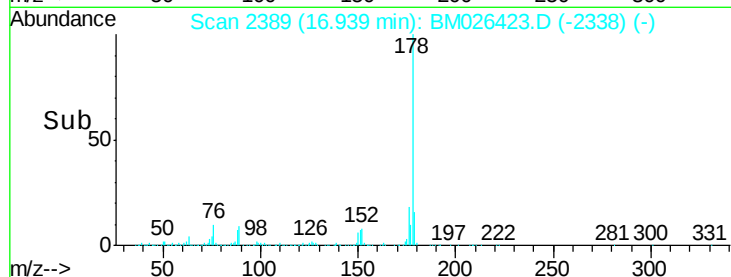
179 15.8 12.3 18.5



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: 32.410 ng

RT: 18.87 min Scan# 2718

Delta R.T. -0.00 min

Lab File: BM026423.D

Acq: 16 Jun 2020 21:42

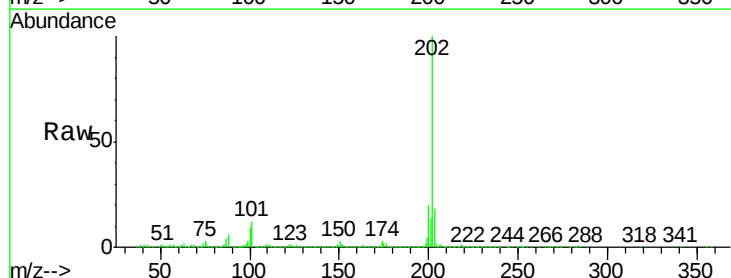
Tgt Ion:202 Resp: 1184478

Ion Ratio Lower Upper

202 100

101 11.8 0.0 31.9

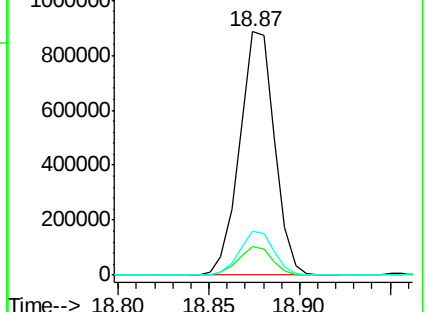
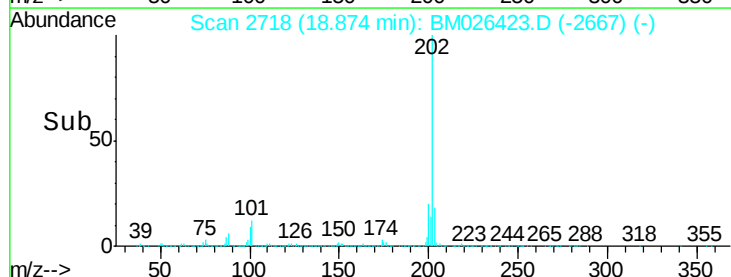
203 17.9 0.0 37.5

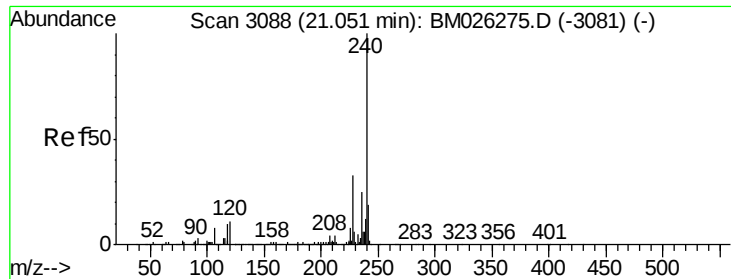


Abundance Ion 202.00 (201.70 to 202.70): E

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: BM026423.D

Acq: 16 Jun 2020 21:42

Instrument :

BNA_M

ClientSampleId :

V-202

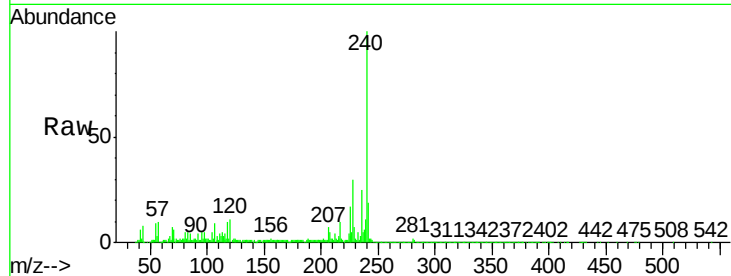
Tot Ion:240 Resp: 613414

Ion Ratio Lower Upper

240 100

120 11.1 9.3 13.9

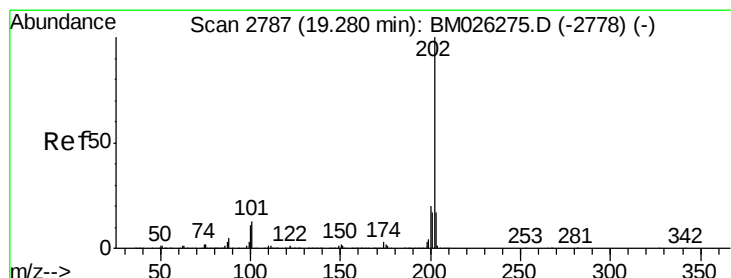
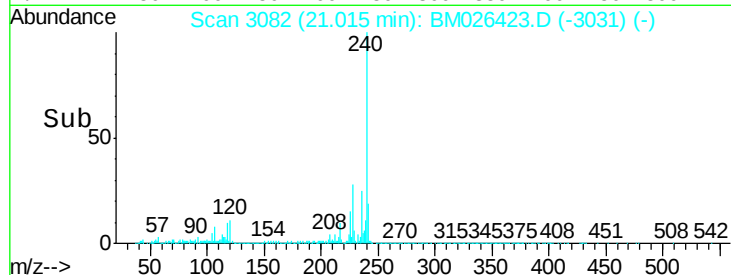
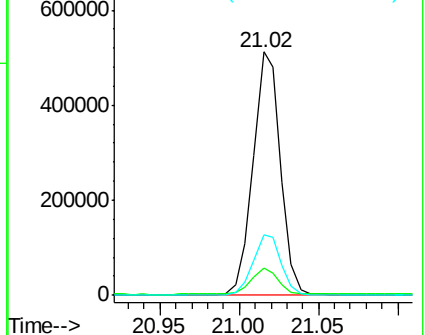
236 24.9 19.4 29.0



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: 28.005 ng

RT: 19.24 min Scan# 2780

Delta R.T. -0.00 min

Lab File: BM026423.D

Acq: 16 Jun 2020 21:42

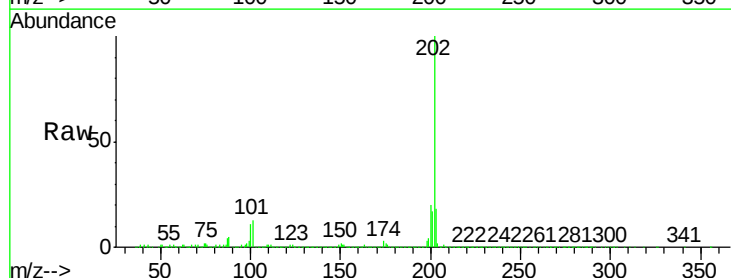
Tgt Ion:202 Resp: 1135038

Ion Ratio Lower Upper

202 100

200 20.4 16.3 24.5

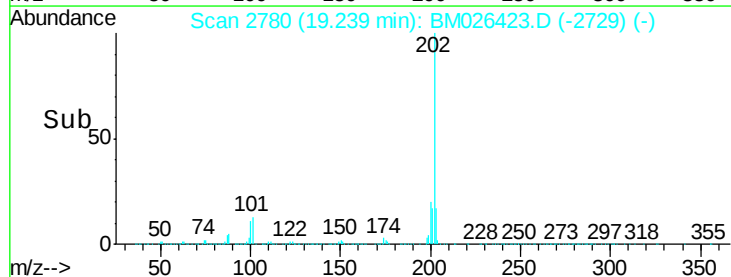
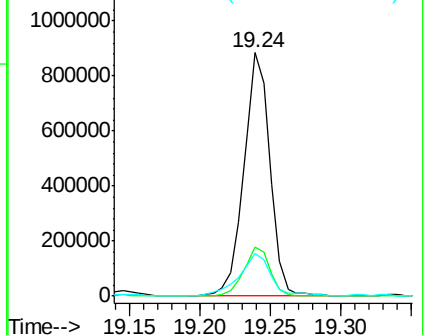
203 17.6 13.8 20.6

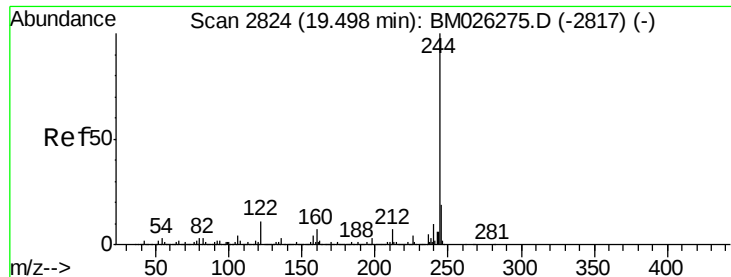


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 62.233 ng

RT: 19.46 min Scan# 2818

Delta R.T. -0.00 min

Lab File: BM026423.D

Acq: 16 Jun 2020 21:42

Instrument :

BNA_M

ClientSampleId :

V-202

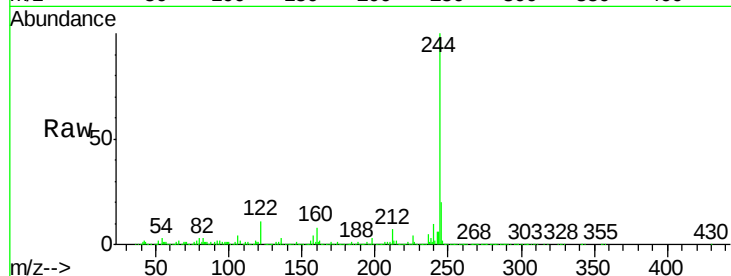
Tot Ion:244 Resp: 1966586

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

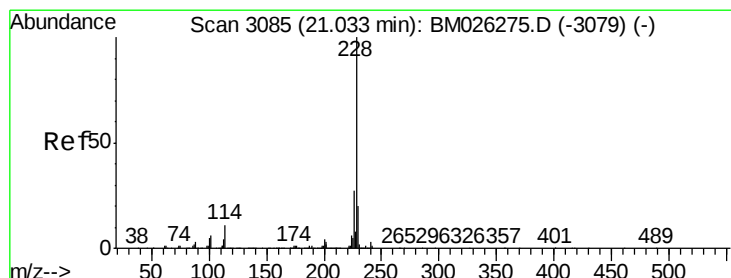
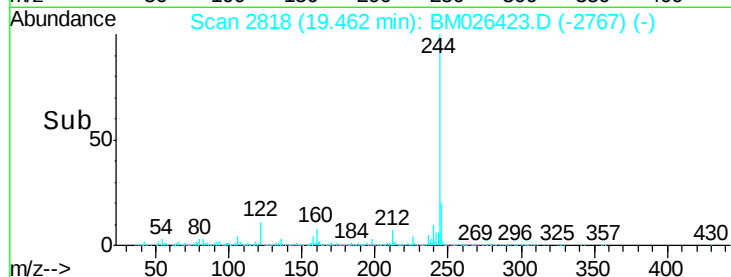
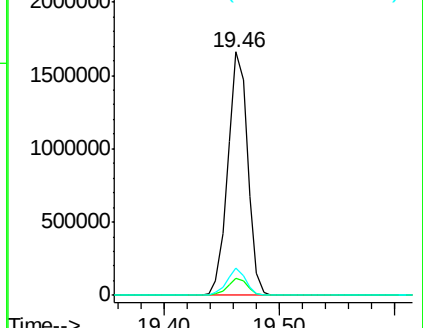
122 11.0 8.6 13.0



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: 18.215 ng

RT: 21.05 min Scan# 3088

Delta R.T. 0.05 min

Lab File: BM026423.D

Acq: 16 Jun 2020 21:42

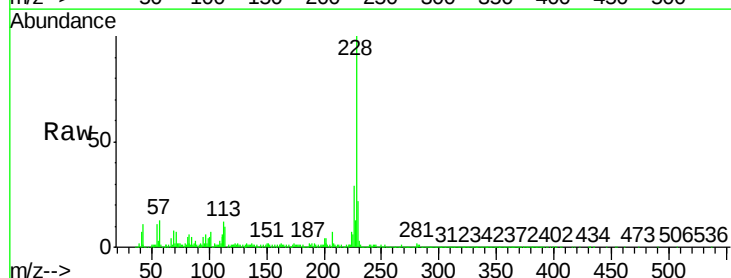
Tgt Ion:228 Resp: 670657

Ion Ratio Lower Upper

228 100

226 29.1 21.1 31.7

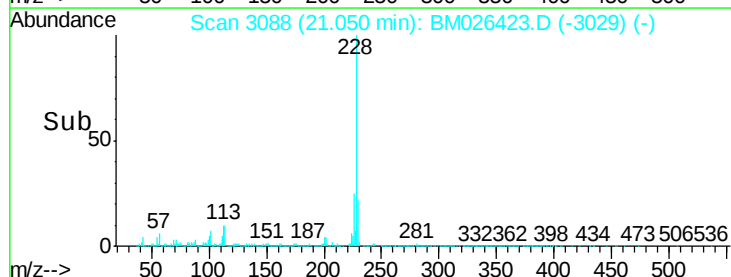
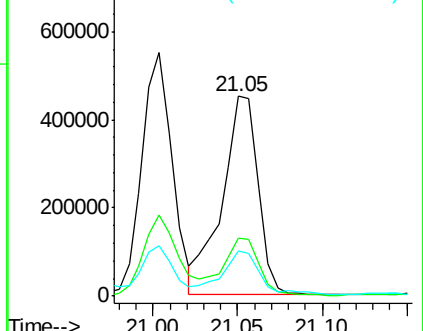
229 22.3 15.7 23.5

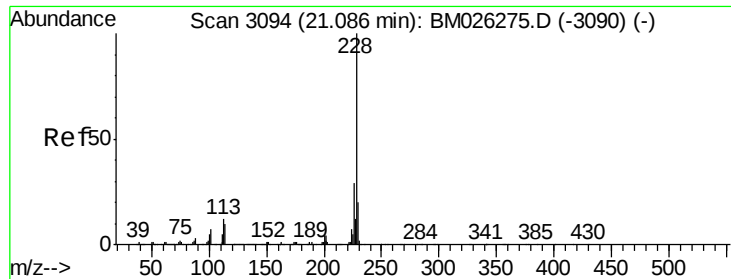


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 19.114 ng

RT: 21.05 min Scan# 3088

Delta R.T. -0.01 min

Lab File: BM026423.D

Acq: 16 Jun 2020 21:42

Instrument :

BNA_M

ClientSampleId :

V-202

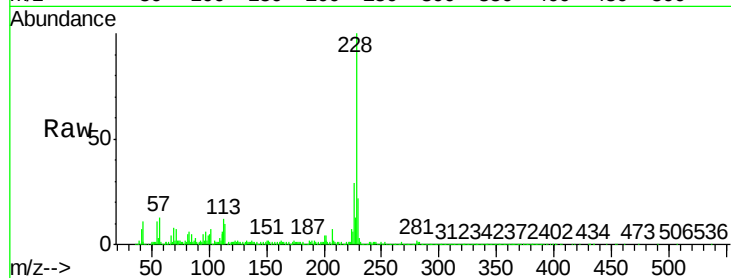
Tot Ion:228 Resp: 670657

Ion Ratio Lower Upper

228 100

226 29.1 23.8 35.6

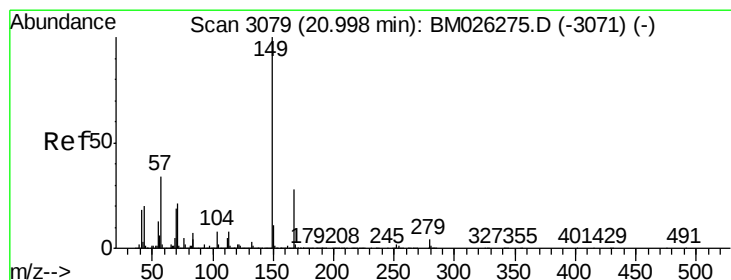
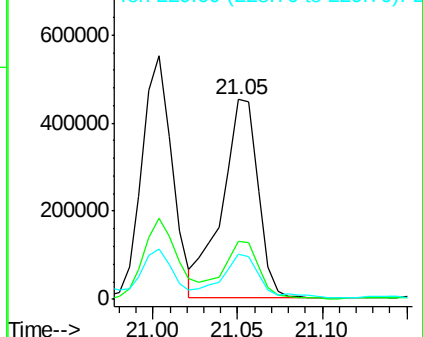
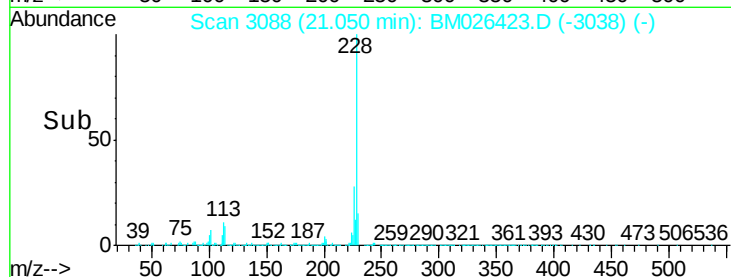
229 22.3 15.5 23.3



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.252 ng

RT: 20.96 min Scan# 3073

Delta R.T. -0.01 min

Lab File: BM026423.D

Acq: 16 Jun 2020 21:42

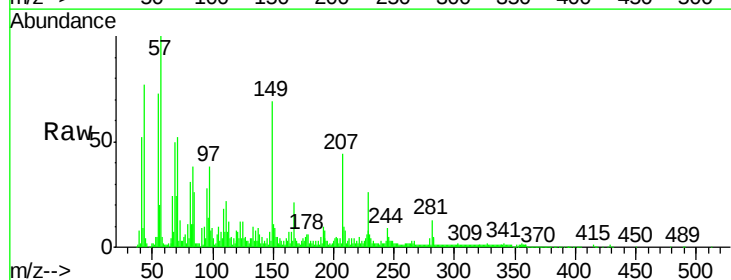
Tgt Ion:149 Resp: 52632

Ion Ratio Lower Upper

149 100

167 30.7 22.0 33.0

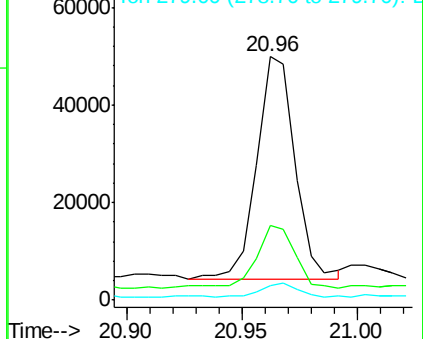
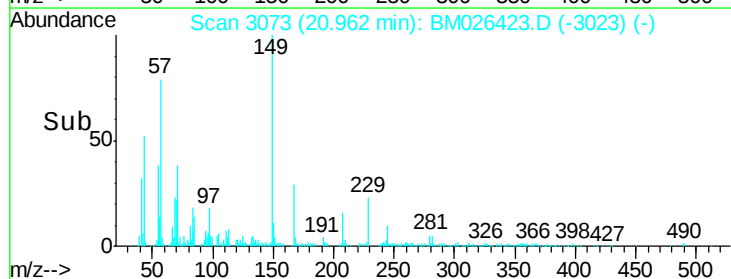
279 5.9 3.7 5.5#

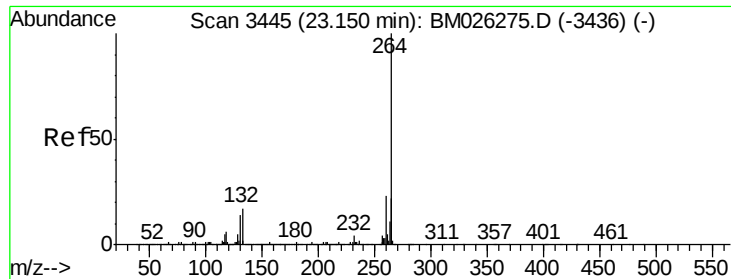


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

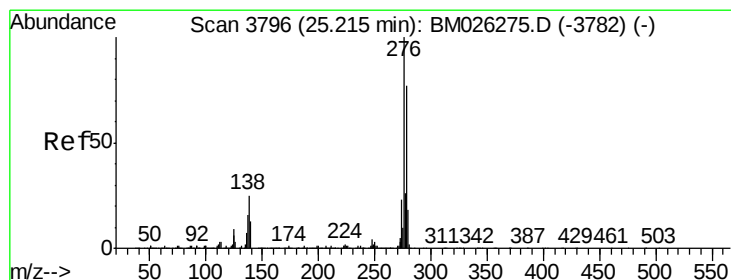
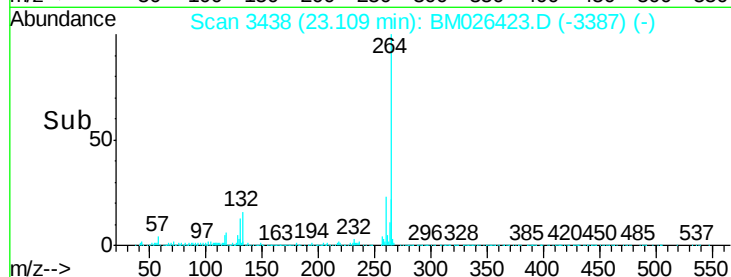
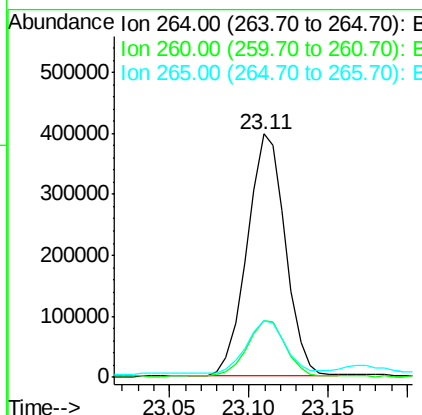
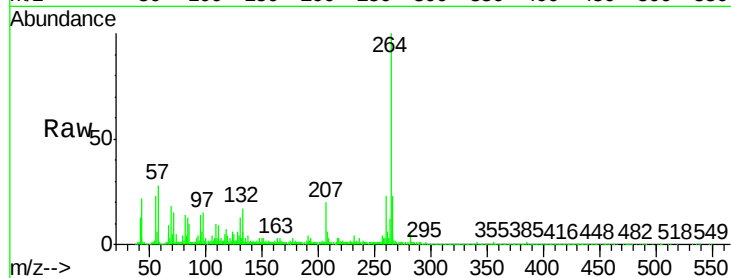




#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.11 min Scan# 3438
Delta R.T. -0.00 min
Lab File: BM026423.D
Acq: 16 Jun 2020 21:42

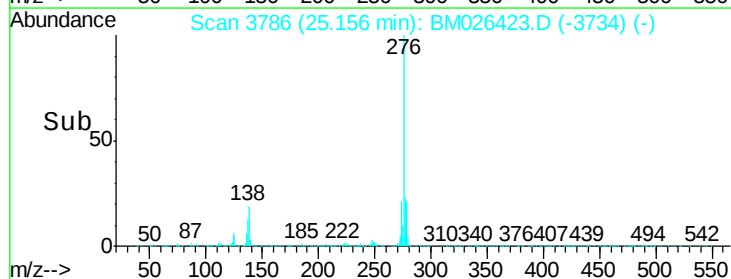
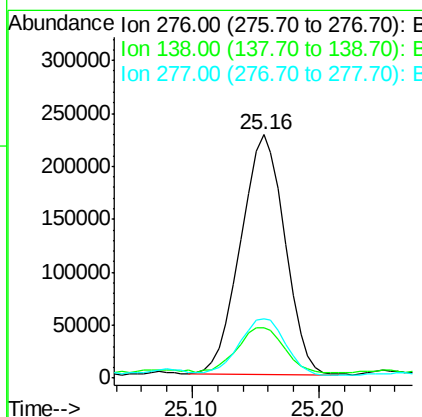
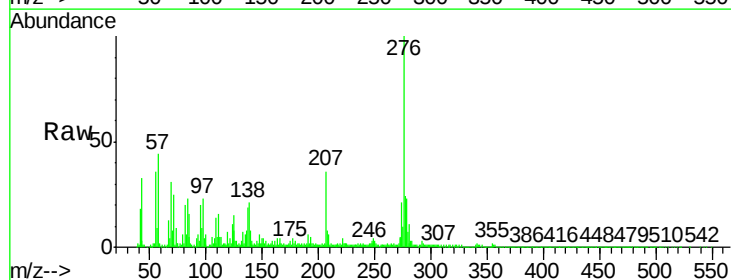
Instrument :
BNA_M
ClientSampleId :
V-202

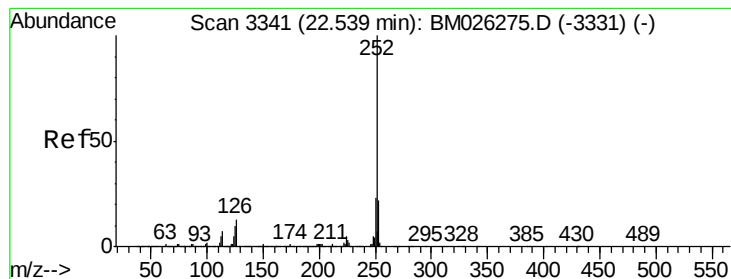
Tot Ion:264 Resp: 666348
Ion Ratio Lower Upper
264 100
260 23.5 18.6 28.0
265 23.4 17.8 26.6



#87
Indeno(1,2,3-cd)pyrene
Concen: 14.334 ng
RT: 25.16 min Scan# 3786
Delta R.T. 0.01 min
Lab File: BM026423.D
Acq: 16 Jun 2020 21:42

Tgt Ion:276 Resp: 552529
Ion Ratio Lower Upper
276 100
138 19.6 19.0 28.6
277 24.5 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 25.848 ng

RT: 22.50 min Scan# 3335

Delta R.T. 0.01 min

Lab File: BM026423.D

Acq: 16 Jun 2020 21:42

Instrument :

BNA_M

ClientSampleId :

V-202

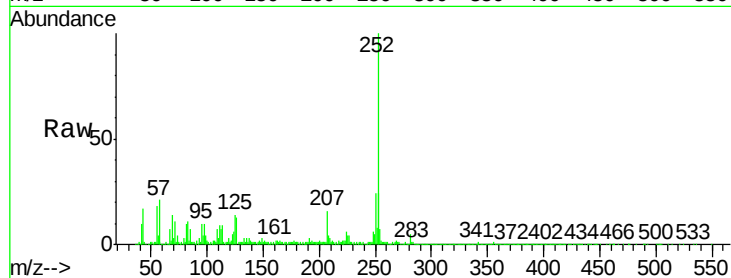
Tot Ion:252 Resp: 1036118

Ion Ratio Lower Upper

252 100

253 23.8 17.6 26.4

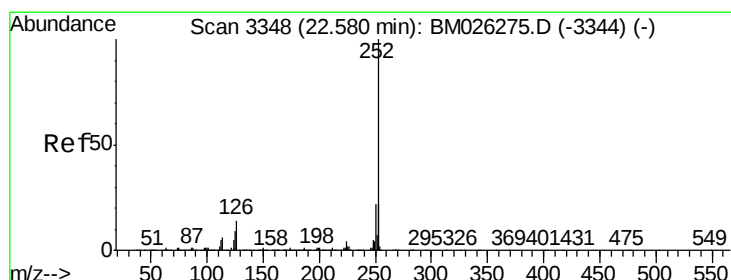
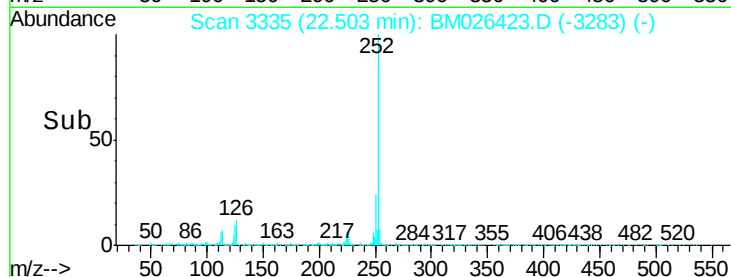
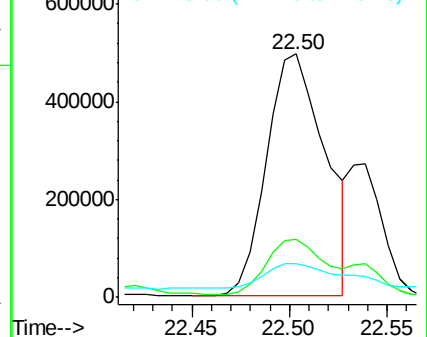
125 13.7 8.0 12.0#



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



#89

Benzo(k)fluoranthene

Concen: 26.606 ng

RT: 22.50 min Scan# 3335

Delta R.T. -0.04 min

Lab File: BM026423.D

Acq: 16 Jun 2020 21:42

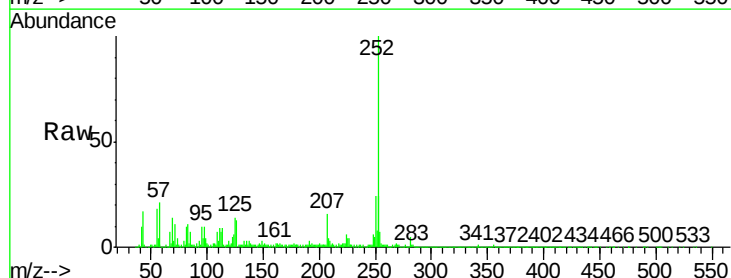
Tgt Ion:252 Resp: 1036118

Ion Ratio Lower Upper

252 100

253 23.8 17.2 25.8

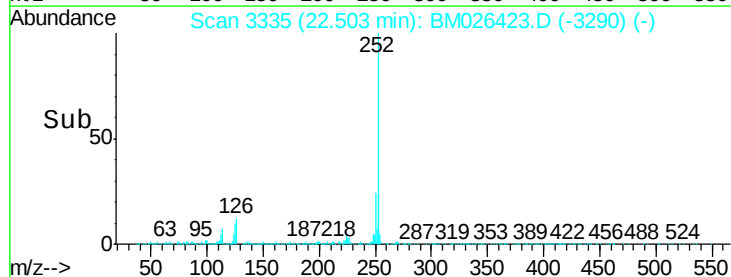
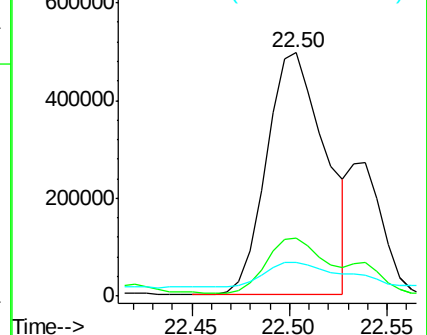
125 13.7 7.8 11.8#

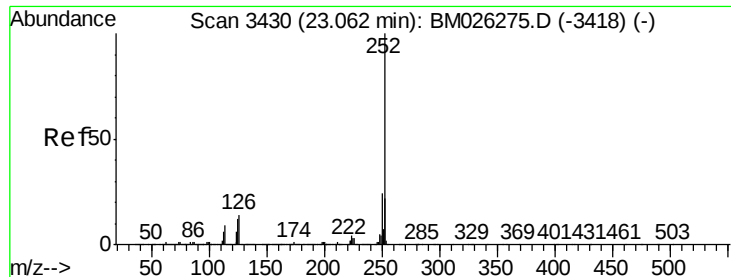


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 21.308 ng

RT: 23.02 min Scan# 3423

Delta R.T. -0.00 min

Lab File: BM026423.D

Acq: 16 Jun 2020 21:42

Instrument :

BNA_M

ClientSampleId :

V-202

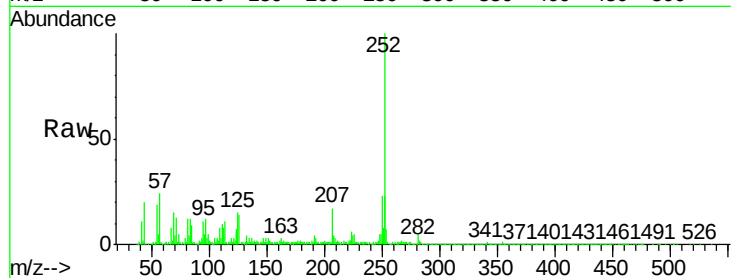
Tot Ion:252 Resp: 758581

Ion Ratio Lower Upper

252 100

253 23.5 17.3 25.9

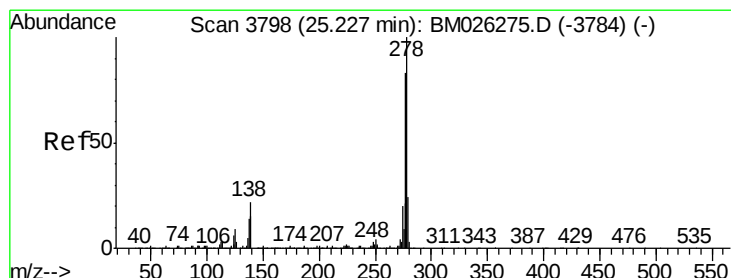
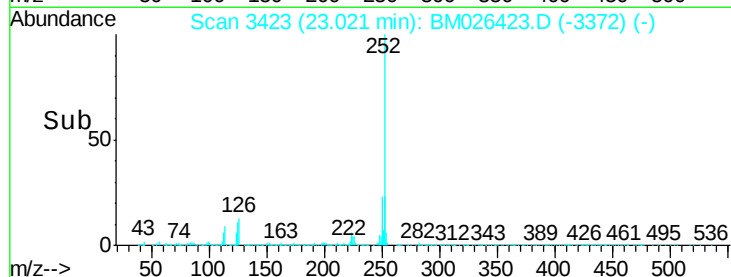
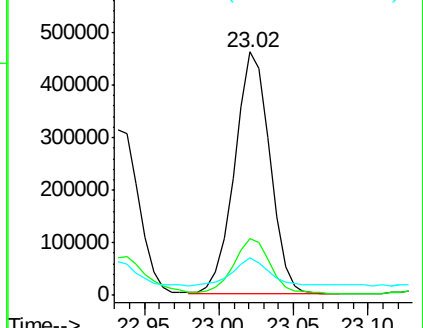
125 15.3 8.6 12.8#



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



#91

Dibenzo(a,h)anthracene

Concen: 4.286 ng

RT: 25.16 min Scan# 3786

Delta R.T. -0.01 min

Lab File: BM026423.D

Acq: 16 Jun 2020 21:42

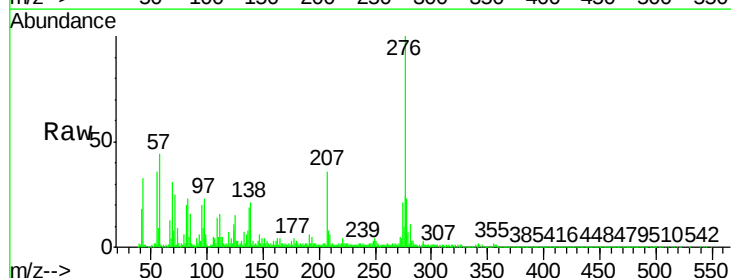
Tgt Ion:278 Resp: 137928

Ion Ratio Lower Upper

278 100

139 34.1 12.3 18.5#

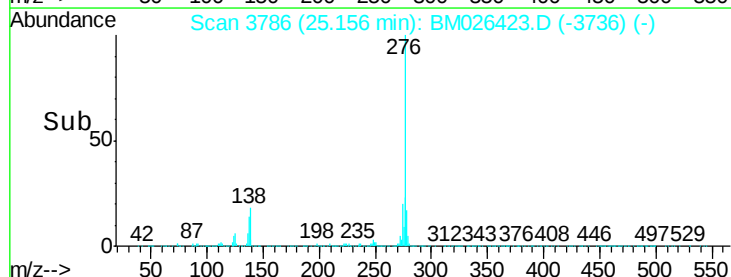
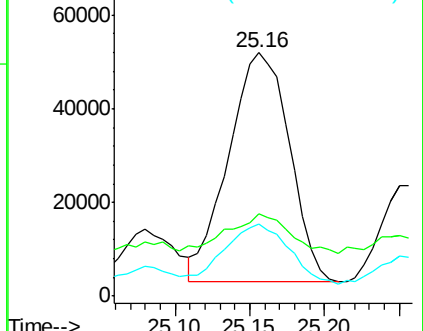
279 29.6 18.9 28.3#

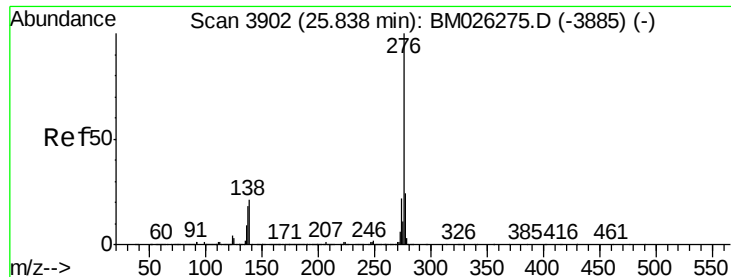


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 18.191 ng

RT: 25.78 min Scan# 3892

Delta R.T. 0.01 min

Lab File: BM026423.D

Acq: 16 Jun 2020 21:42

Instrument :

BNA_M

ClientSampleId :

V-202

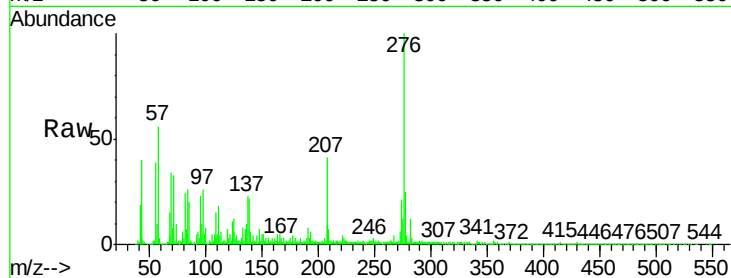
Tot Ion: 276 Resp: 557050

Ion Ratio Lower Upper

276 100

277 25.3 19.0 28.4

138 22.2 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

