

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072220\
 Data File : BM026841.D
 Acq On : 22 Jul 2020 20:30
 Operator : JU/CG
 Sample : L3360-03RX
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SP-2RX

Quant Time: Jul 23 02:31:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 22 14:16:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.30	152	101738	20.00	ng	0.00
21) Naphthalene-d8	10.05	136	355164	20.00	ng	0.00
39) Acenaphthene-d10	13.96	164	185425	20.00	ng	0.00
64) Phenanthrene-d10	16.72	188	392072	20.00	ng	0.00
76) Chrysene-d12	20.94	240	443001	20.00	ng	0.00
86) Perylene-d12	23.01	264	473388	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.95	112	19521	3.22	ng	0.00
7) Phenol-d6	6.51	99	279454	28.90	ng	0.00
23) Nitrobenzene-d5	8.44	82	437057	52.50	ng	0.00
42) 2,4,6-Tribromophenol	15.48	330	5013	1.86	ng	0.00
45) 2-Fluorobiphenyl	12.57	172	735664	52.75	ng	0.00
79) Terphenyl-d14	19.39	244	1064224	47.28	ng	0.00

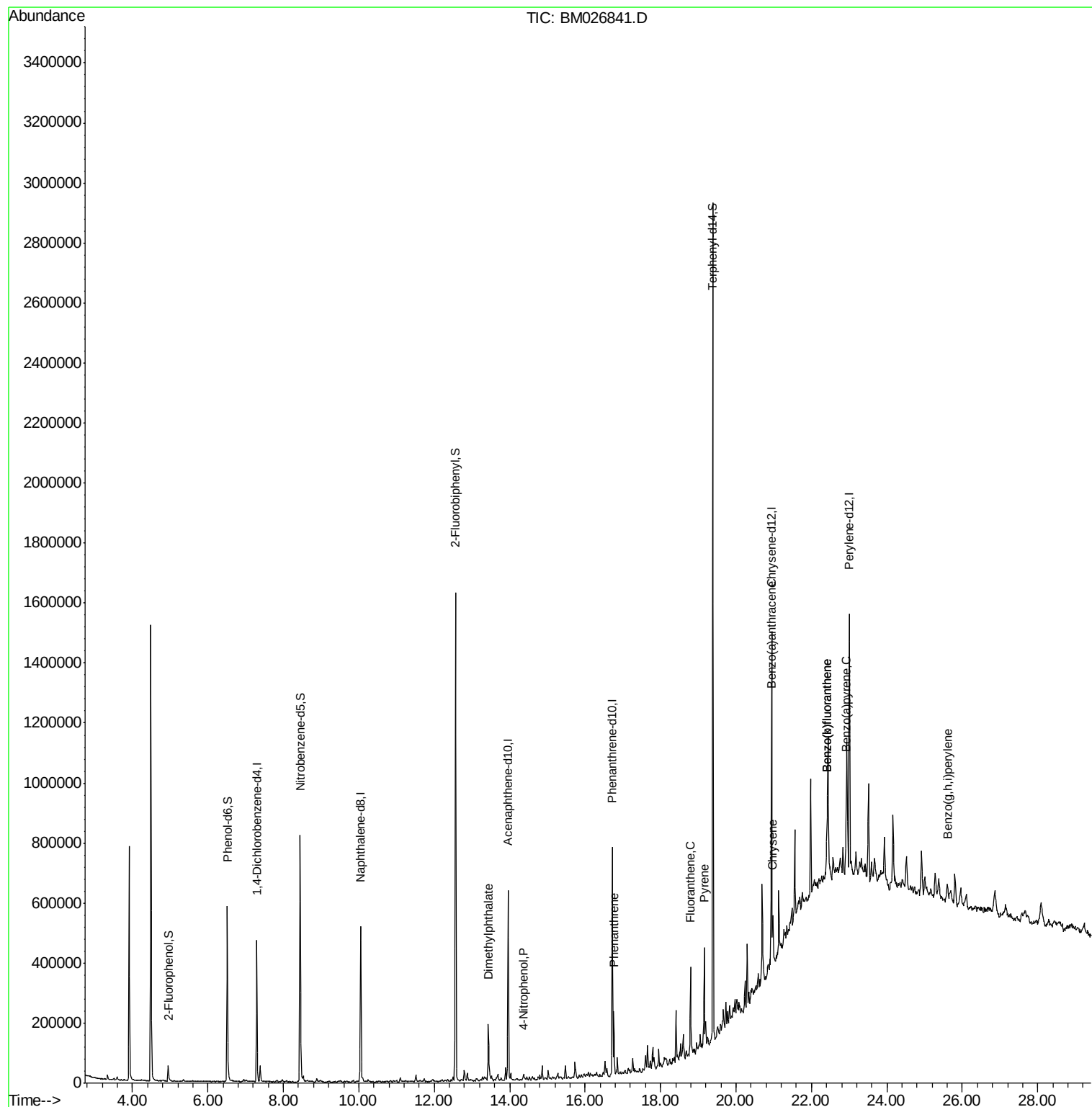
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	13.44	163	108799	6.860	ng	99
56) 4-Nitrophenol	14.38	139	2846	4.791	ng	# 1
71) Phenanthrene	16.76	178	111265	4.807	ng	98
75) Fluoranthene	18.79	202	155110	5.441	ng	96
78) Pyrene	19.16	202	176938	6.340	ng	99
81) Benzo(a)anthracene	20.93	228	95049	3.194	ng	94
83) Chrysene	20.98	228	87989	3.038	ng	97
88) Benzo(b)fluoranthene	22.41	252	142824	4.579	ng	# 85
89) Benzo(k)fluoranthene	22.41	252	142824	4.668	ng	# 85
90) Benzo(a)pyrene	22.92	252	86202	2.977	ng	# 90
92) Benzo(g,h,i)perylene	25.60	276	54905	2.095	ng	93

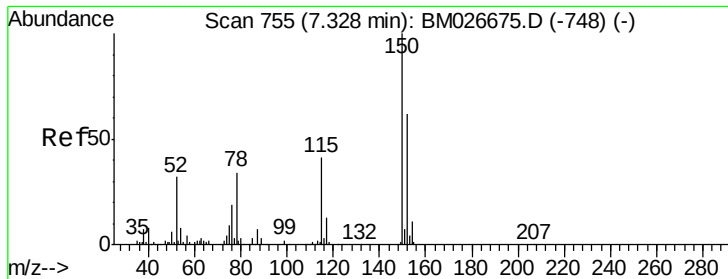
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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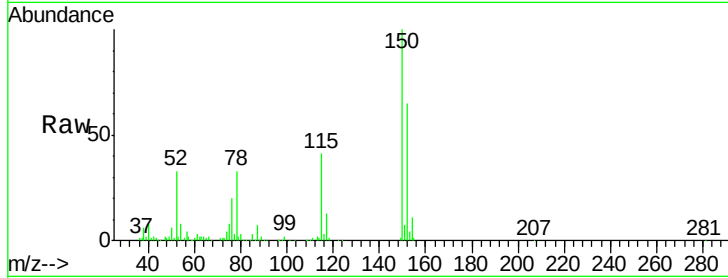


#1

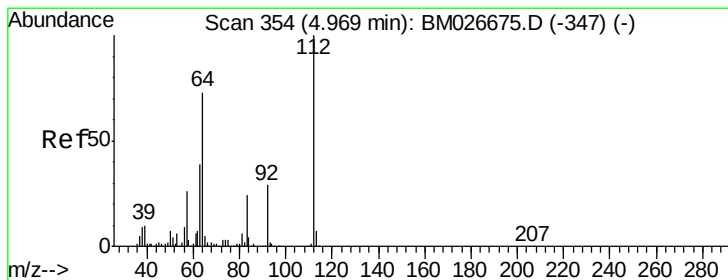
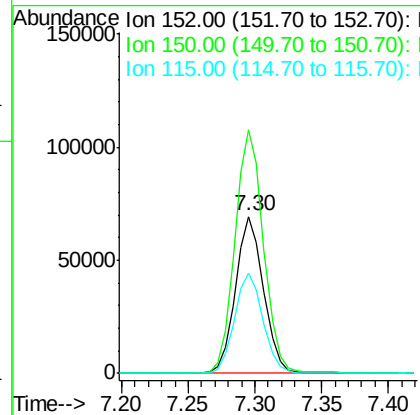
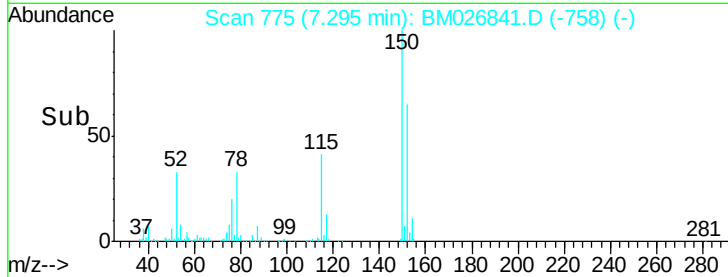
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.30 min Scan# 775
Delta R.T. 0.00 min
Lab File: BM026841.D
Acq: 22 Jul 2020 20:30

Instrument :
BNA_M
ClientSampleId :
SP-2RX

Tot Ion	152	Resp	101738
Ion	Ratio	Lower	Upper
152	100		
150	155.0	128.1	192.1
115	64.2	52.2	78.4



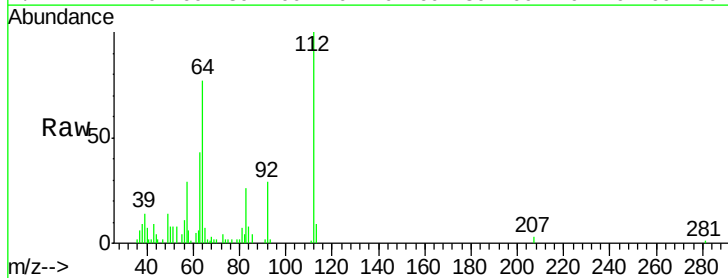
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



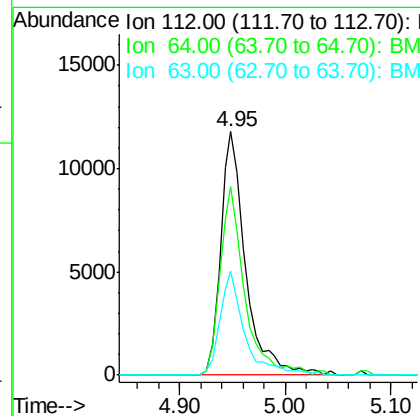
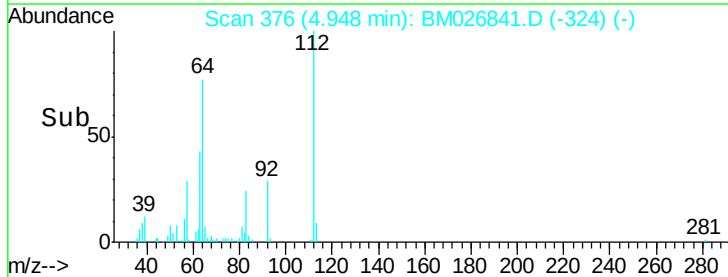
#5

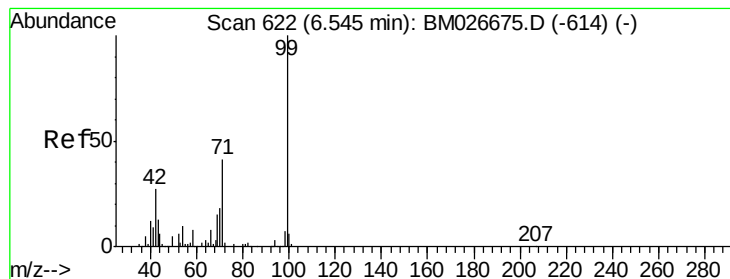
2-Fluorophenol
Concen: 3.216 ng
RT: 4.95 min Scan# 376
Delta R.T. 0.01 min
Lab File: BM026841.D
Acq: 22 Jul 2020 20:30

Tgt Ion	112	Resp	19521
Ion	Ratio	Lower	Upper
112	100		
64	77.2	58.4	87.6
63	42.9	31.5	47.3



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: 28.896 ng

RT: 6.51 min Scan# 642

Delta R.T. 0.00 min

Lab File: BM026841.D

Acq: 22 Jul 2020 20:30

Instrument :

BNA_M

ClientSampleId :

SP-2RX

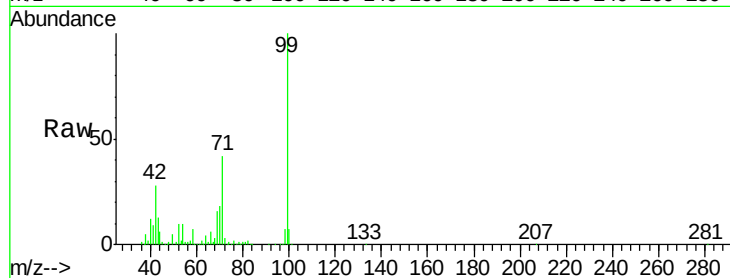
Tot Ion: 99 Resp: 279454

Ion Ratio Lower Upper

99 100

42 27.8 21.7 32.5

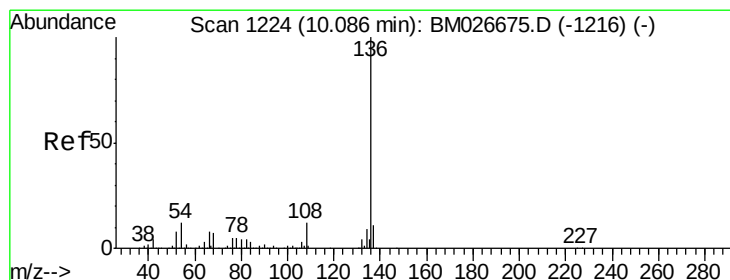
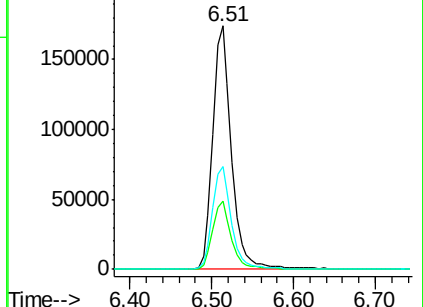
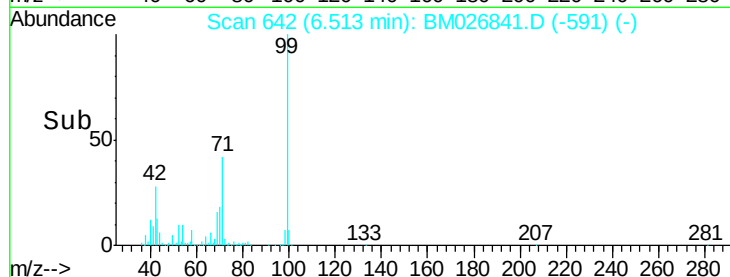
71 42.1 33.2 49.8



Abundance Ion 99.00 (98.70 to 99.70): BM026675.D (-614) (-)

Ion 42.00 (41.70 to 42.70): BM026675.D (-614) (-)

Ion 71.00 (70.70 to 71.70): BM026675.D (-614) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.05 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BM026841.D

Acq: 22 Jul 2020 20:30

Tgt Ion: 136 Resp: 355164

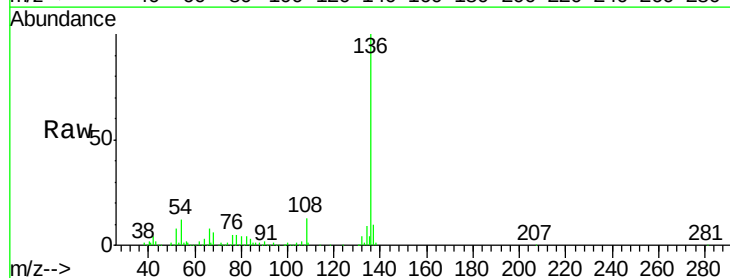
Ion Ratio Lower Upper

136 100

137 10.5 8.6 12.8

54 11.9 9.8 14.6

68 6.5 5.8 8.6

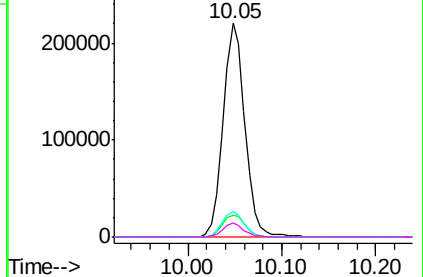
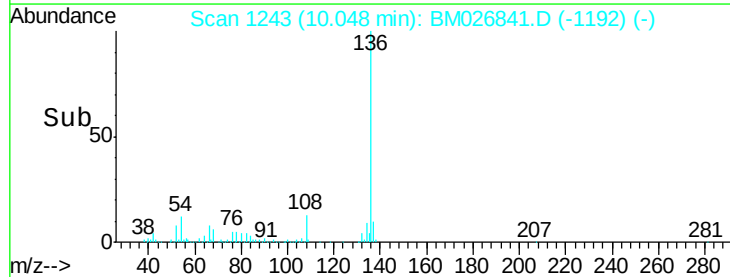


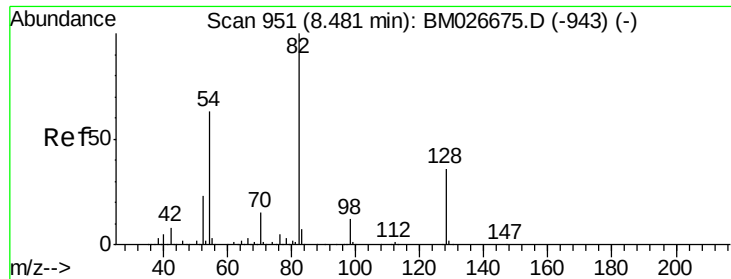
Abundance Ion 136.00 (135.70 to 136.70): BM026675.D (-1216) (-)

Ion 137.00 (136.70 to 137.70): BM026675.D (-1216) (-)

Ion 54.00 (53.70 to 54.70): BM026675.D (-1216) (-)

Ion 68.00 (67.70 to 68.70): BM026675.D (-1216) (-)





#23

Nitrobenzene-d5

Concen: 52.500 ng

RT: 8.44 min Scan# 970

Delta R.T. -0.01 min

Lab File: BM026841.D

Acq: 22 Jul 2020 20:30

Instrument :

BNA_M

ClientSampleId :

SP-2RX

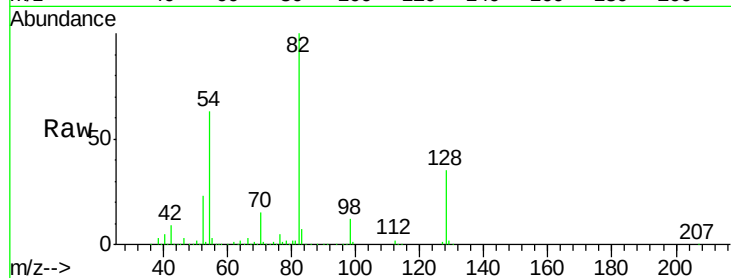
Tot Ion: 82 Resp: 437057

Ion Ratio Lower Upper

82 100

128 35.4 29.1 43.7

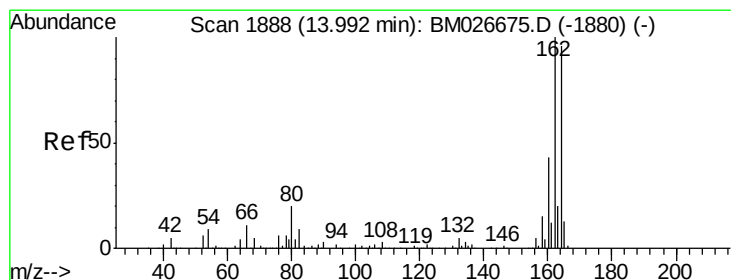
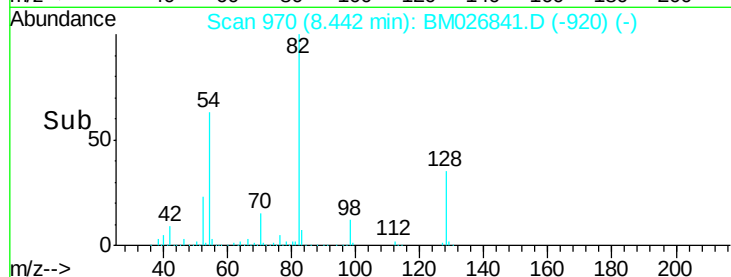
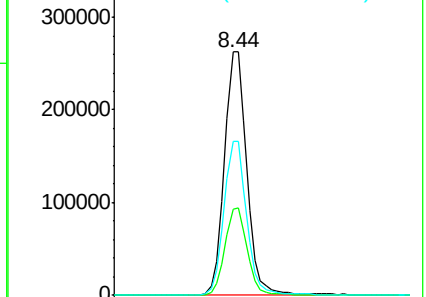
54 63.3 50.2 75.4



Abundance Ion 82.00 (81.70 to 82.70): BM026675.D (-943) (-)

Ion 128.00 (127.70 to 128.70): BM026675.D (-943) (-)

Ion 54.00 (53.70 to 54.70): BM026675.D (-943) (-)



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 13.96 min Scan# 1908

Delta R.T. 0.00 min

Lab File: BM026841.D

Acq: 22 Jul 2020 20:30

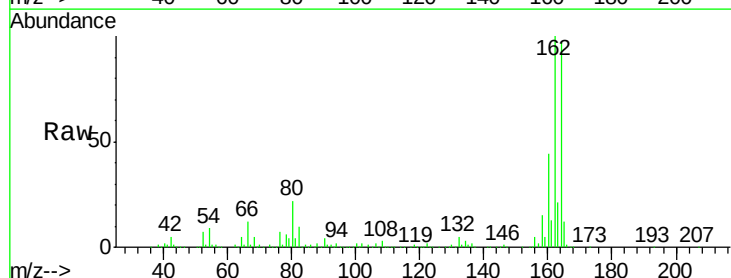
Tgt Ion: 164 Resp: 185425

Ion Ratio Lower Upper

164 100

162 102.8 83.7 125.5

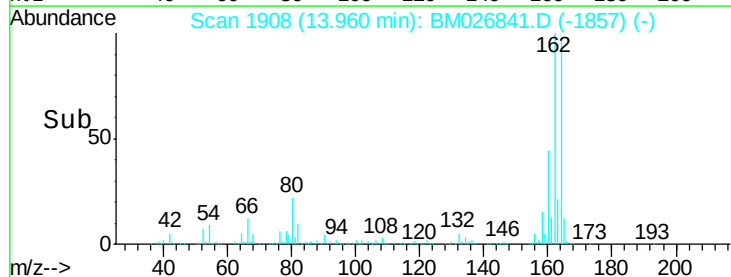
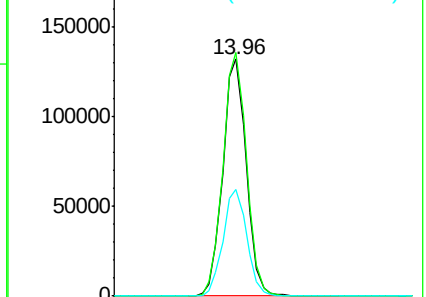
160 45.3 36.2 54.2

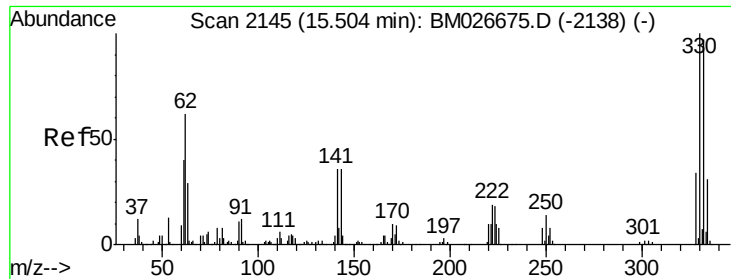


Abundance Ion 164.00 (163.70 to 164.70): BM026675.D (-1880) (-)

Ion 162.00 (161.70 to 162.70): BM026675.D (-1880) (-)

Ion 160.00 (159.70 to 160.70): BM026675.D (-1880) (-)

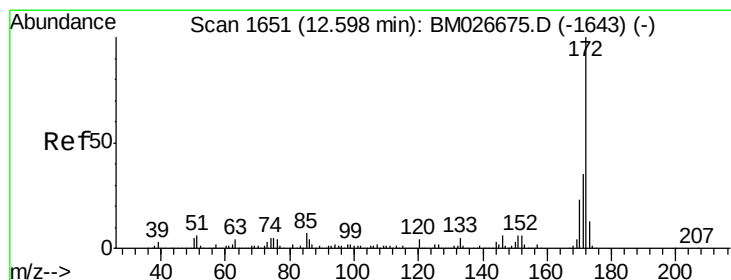
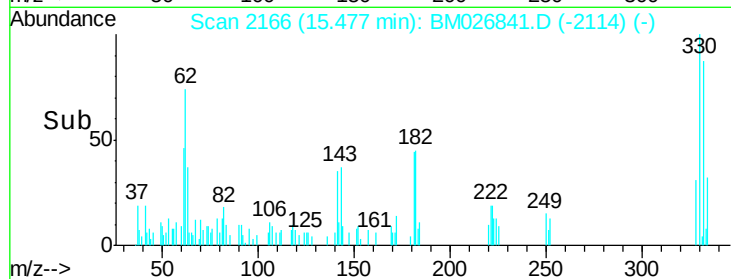
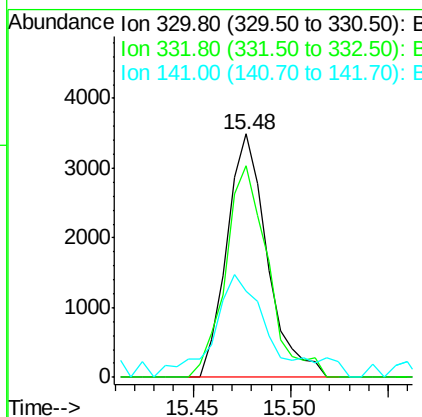
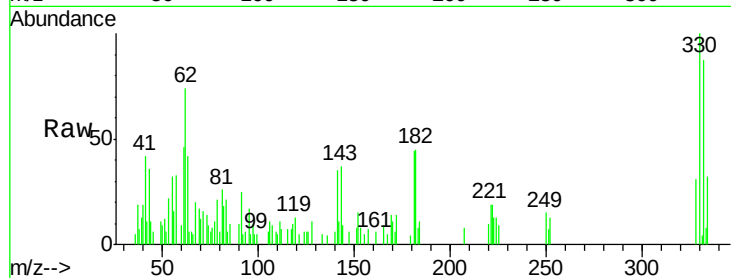




#42
 2,4,6-Tribromophenol
 Concen: 1.856 ng
 RT: 15.48 min Scan# 2166
 Delta R.T. 0.01 min
 Lab File: BM026841.D
 Acq: 22 Jul 2020 20:30

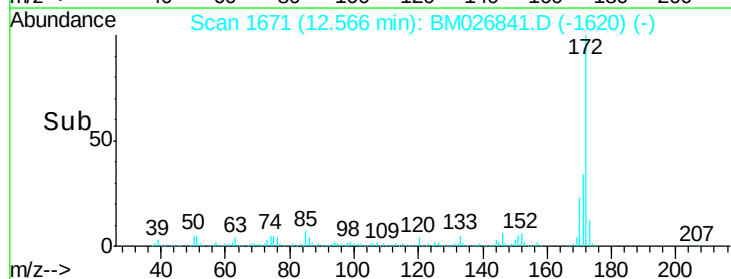
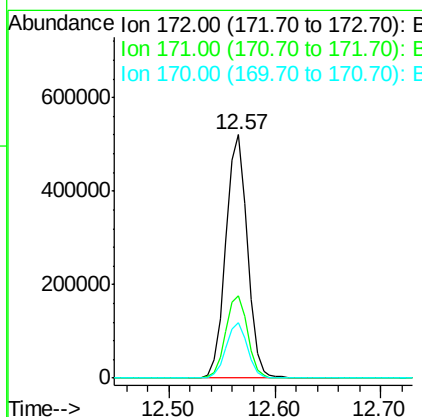
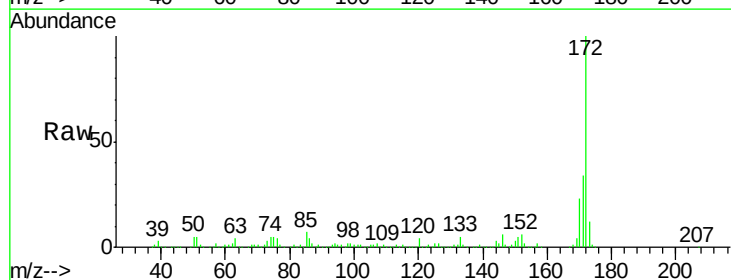
Instrument :
 BNA_M
 ClientSampleId :
 SP-2RX

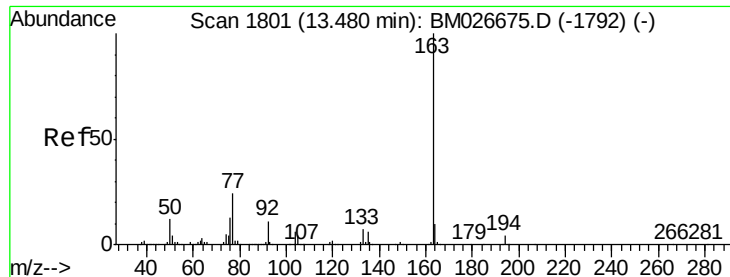
Tot Ion:330 Resp: 5013
 Ion Ratio Lower Upper
 330 100
 332 91.6 77.5 116.3
 141 58.6 32.4 48.6#



#45
 2-Fluorobiphenyl
 Concen: 52.752 ng
 RT: 12.57 min Scan# 1671
 Delta R.T. 0.00 min
 Lab File: BM026841.D
 Acq: 22 Jul 2020 20:30

Tgt Ion:172 Resp: 735664
 Ion Ratio Lower Upper
 172 100
 171 34.1 27.8 41.6
 170 22.9 18.5 27.7





#50

Dimethylphthalate

Concen: 6.860 ng

RT: 13.44 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BM026841.D

Acq: 22 Jul 2020 20:30

Instrument :

BNA_M

ClientSampleId :

SP-2RX

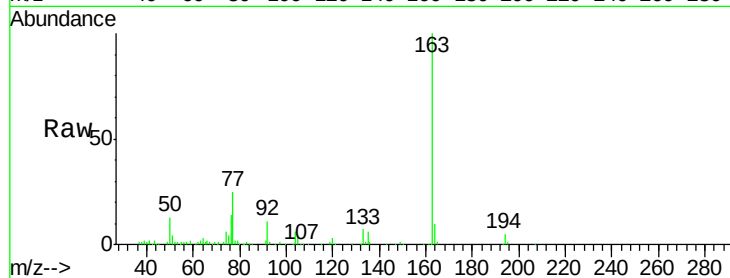
Tot Ion:163 Resp: 108799

Ion Ratio Lower Upper

163 100

194 4.8 3.4 5.2

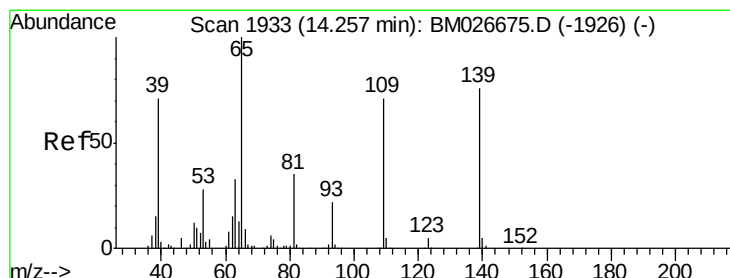
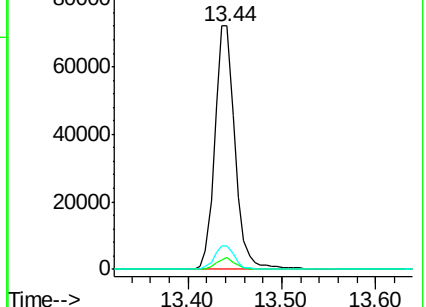
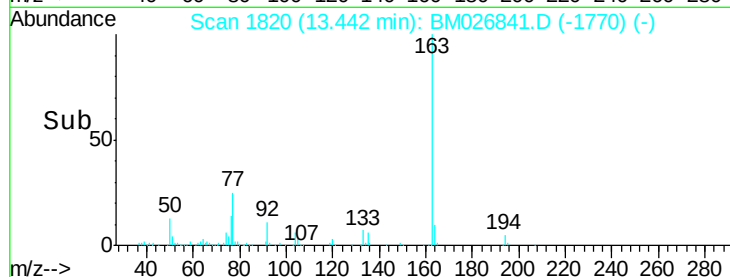
164 9.6 7.8 11.6



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: 4.791 ng

RT: 14.38 min Scan# 1979

Delta R.T. 0.14 min

Lab File: BM026841.D

Acq: 22 Jul 2020 20:30

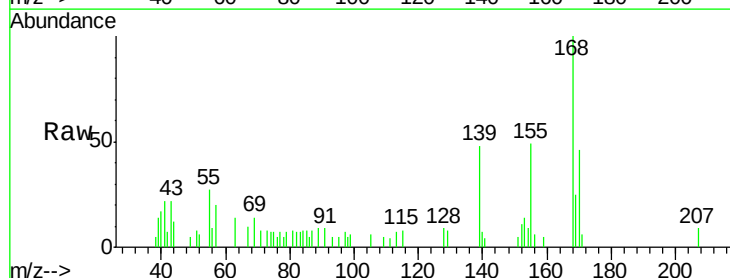
Tgt Ion:139 Resp: 2846

Ion Ratio Lower Upper

139 100

109 10.2 73.7 113.7#

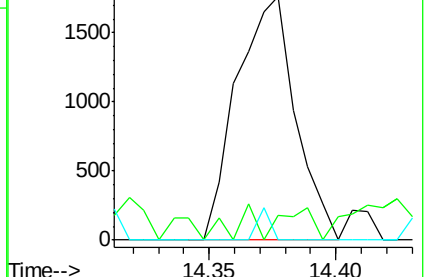
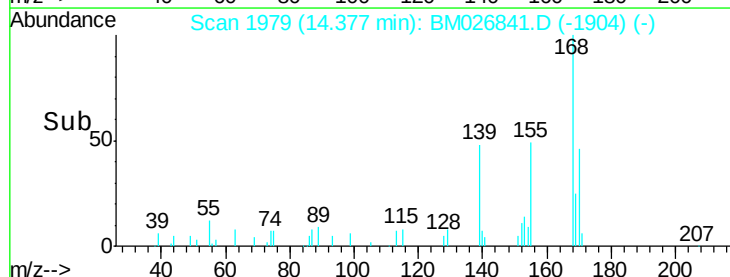
65 0.0 111.5 151.5#

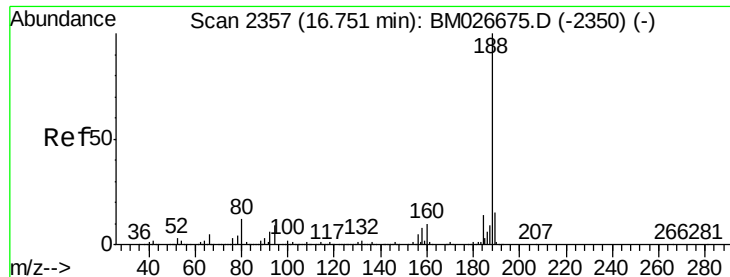


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BM

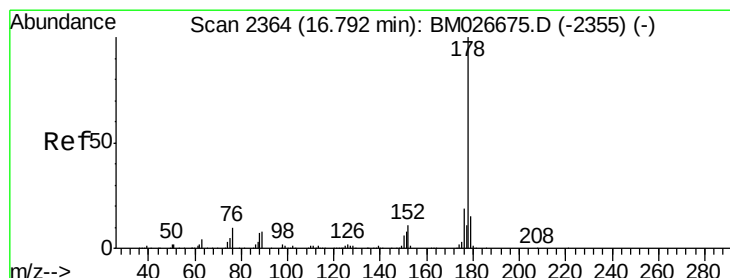
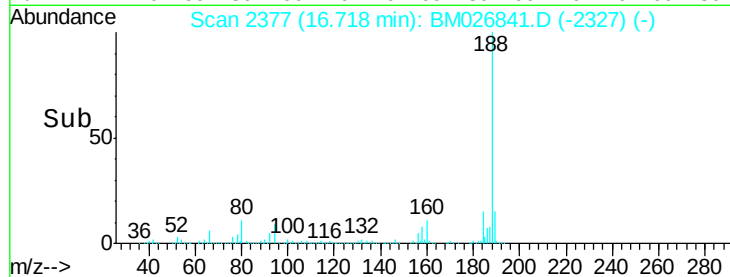
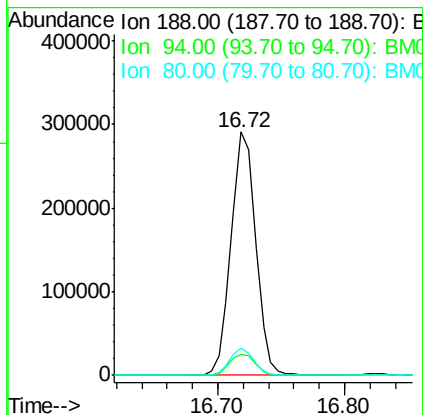
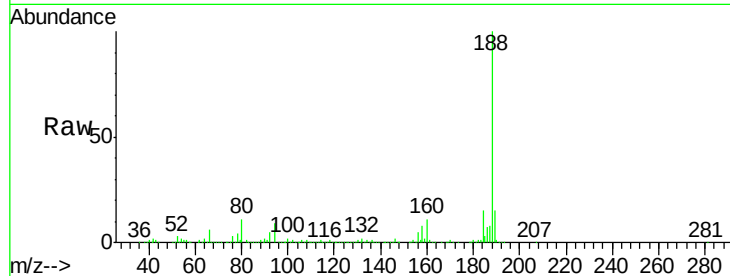




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 16.72 min Scan# 2377
 Delta R.T. -0.01 min
 Lab File: BM026841.D
 Acq: 22 Jul 2020 20:30

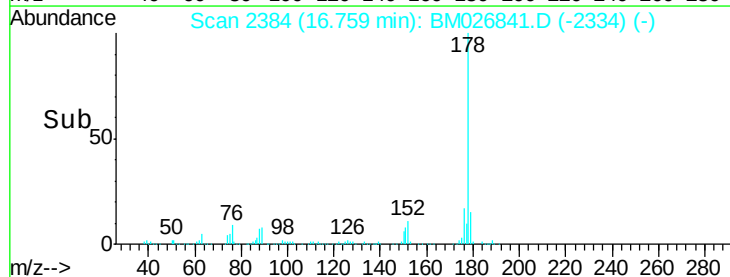
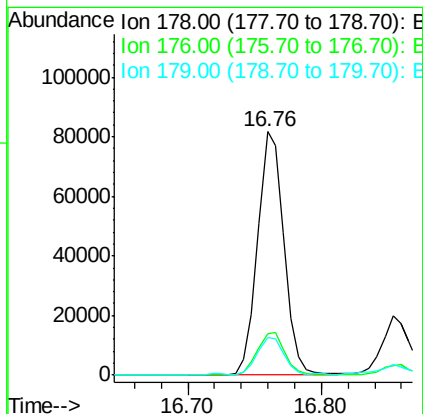
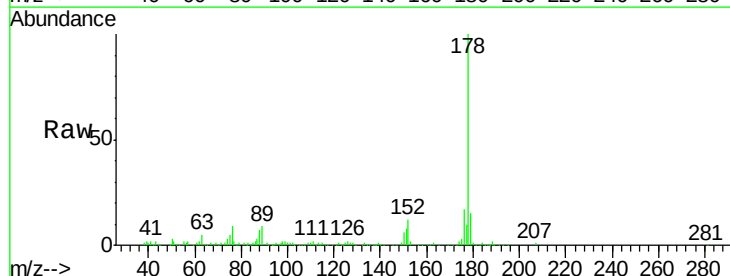
Instrument :
 BNA_M
 ClientSampleId :
 SP-2RX

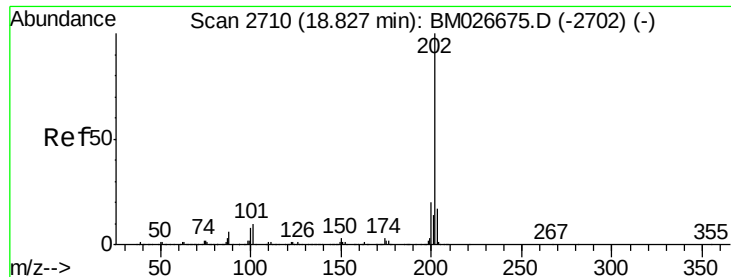
Tot Ion:188 Resp: 392072
 Ion Ratio Lower Upper
 188 100
 94 8.8 7.4 11.0
 80 11.3 9.3 13.9



#71
 Phenanthrene
 Concen: 4.807 ng
 RT: 16.76 min Scan# 2384
 Delta R.T. -0.01 min
 Lab File: BM026841.D
 Acq: 22 Jul 2020 20:30

Tgt Ion:178 Resp: 111265
 Ion Ratio Lower Upper
 178 100
 176 17.2 15.0 22.6
 179 15.4 12.1 18.1





#75

Fluoranthene

Concen: 5.441 ng

RT: 18.79 min Scan# 2730

Delta R.T. -0.01 min

Lab File: BM026841.D

Acq: 22 Jul 2020 20:30

Instrument :

BNA_M

ClientSampleId :

SP-2RX

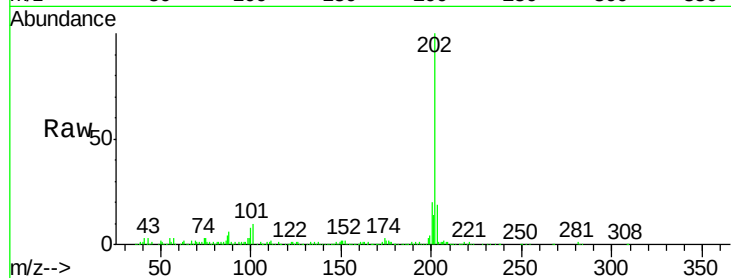
Tot Ion:202 Resp: 155110

Ion Ratio Lower Upper

202 100

101 9.6 0.0 30.1

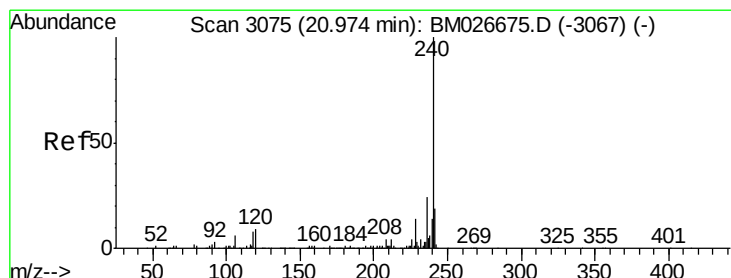
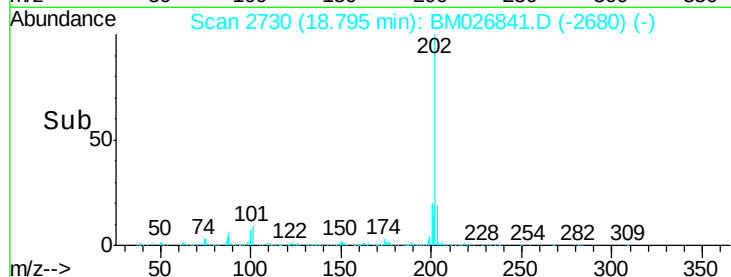
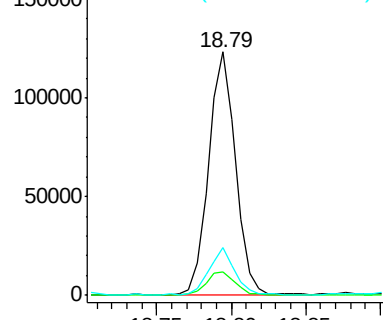
203 19.4 0.0 37.2



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: 20.94 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BM026841.D

Acq: 22 Jul 2020 20:30

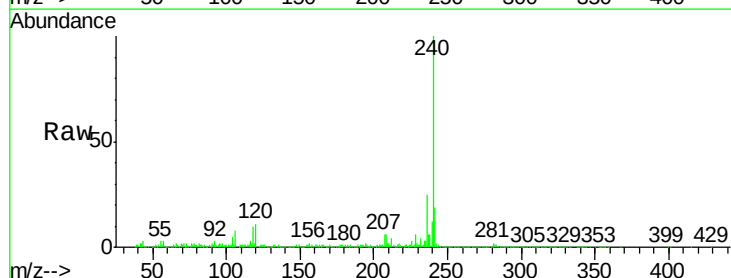
Tgt Ion:240 Resp: 443001

Ion Ratio Lower Upper

240 100

120 10.8 7.3 10.9

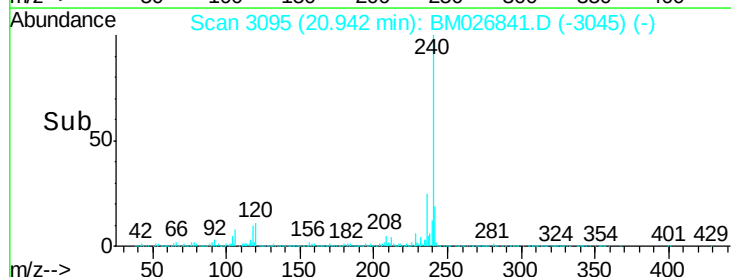
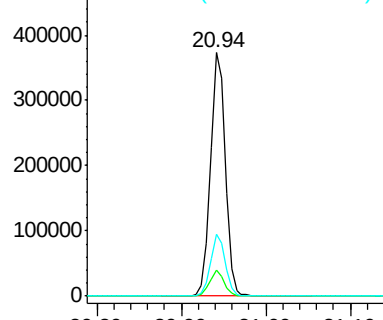
236 25.5 19.4 29.2

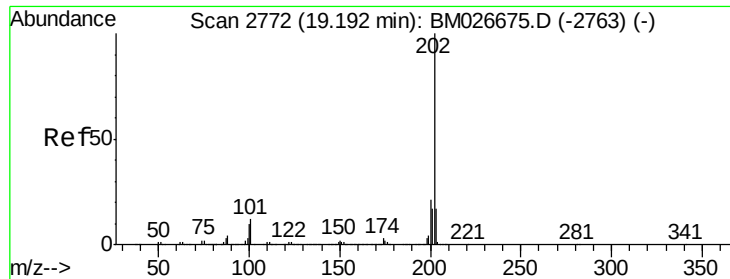


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

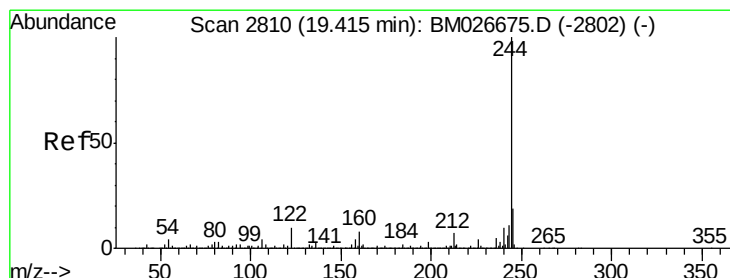
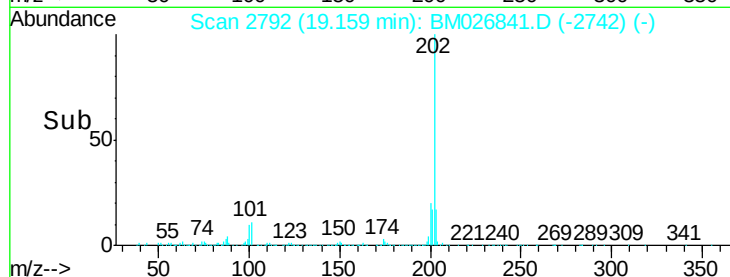
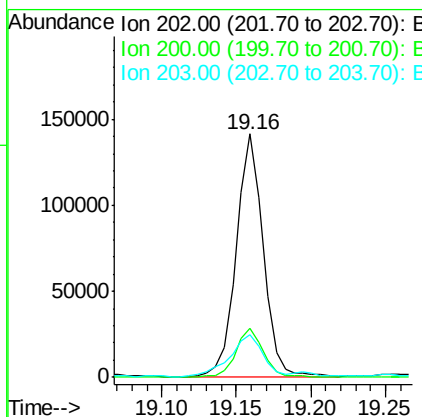
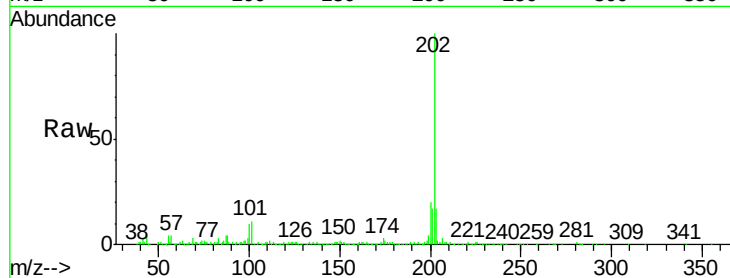




#78
Pvrene
Concen: 6.340 ng
RT: 19.16 min Scan# 2792
Delta R.T. -0.01 min
Lab File: BM026841.D
Acq: 22 Jul 2020 20:30

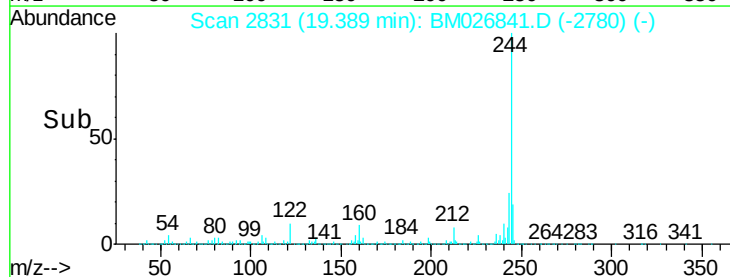
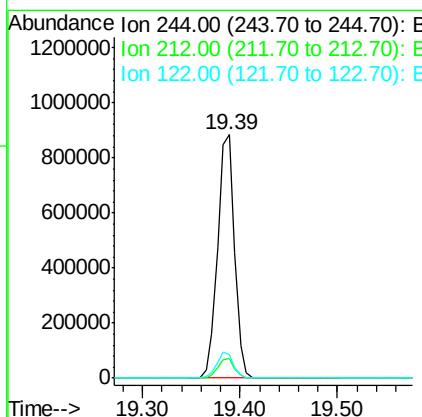
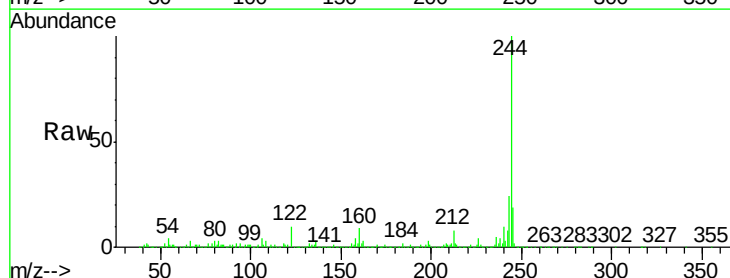
Instrument :
BNA_M
ClientSampleId :
SP-2RX

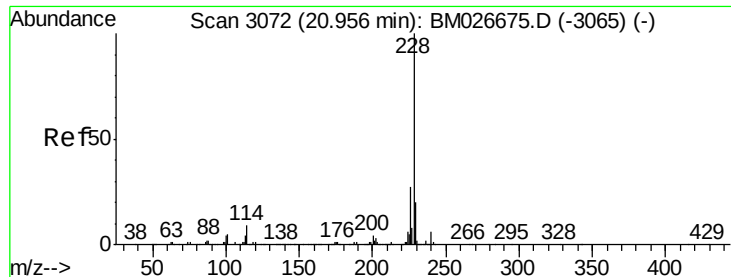
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.6	24.8
203	17.3	13.7	20.5



#79
Terphenyl-d14
Concen: 47.278 ng
RT: 19.39 min Scan# 2831
Delta R.T. 0.00 min
Lab File: BM026841.D
Acq: 22 Jul 2020 20:30

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.9	8.9
122	9.6	8.2	12.4





#81

Benzo(a)anthracene

Concen: 3.194 ng

RT: 20.93 min Scan# 3093

Delta R.T. -0.01 min

Lab File: BM026841.D

Acq: 22 Jul 2020 20:30

Instrument :

BNA_M

ClientSampleId :

SP-2RX

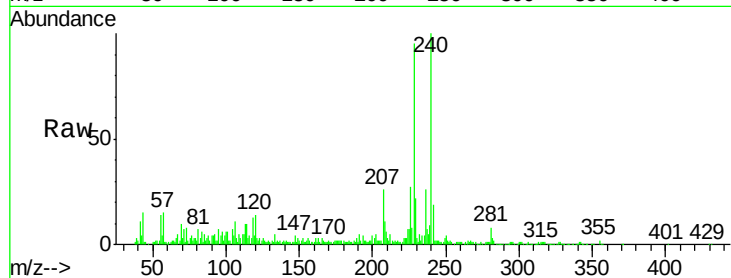
Tot Ion:228 Resp: 95049

Ion Ratio Lower Upper

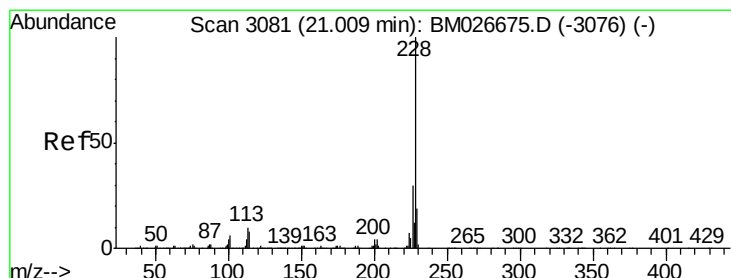
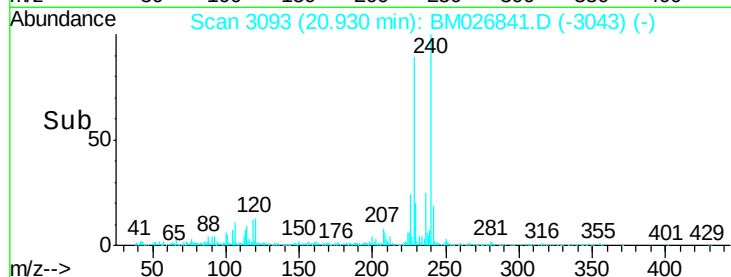
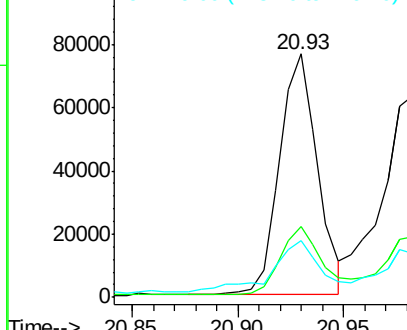
228 100

226 28.8 21.4 32.2

229 23.1 15.6 23.4



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: 3.038 ng

RT: 20.98 min Scan# 3102

Delta R.T. -0.01 min

Lab File: BM026841.D

Acq: 22 Jul 2020 20:30

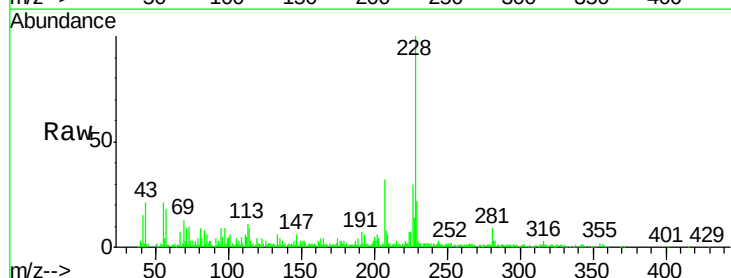
Tgt Ion:228 Resp: 87989

Ion Ratio Lower Upper

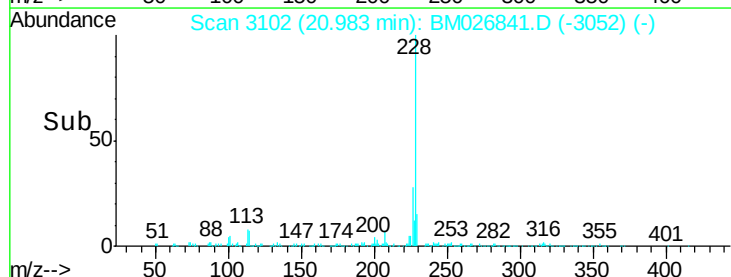
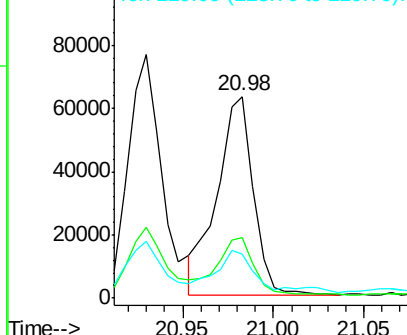
228 100

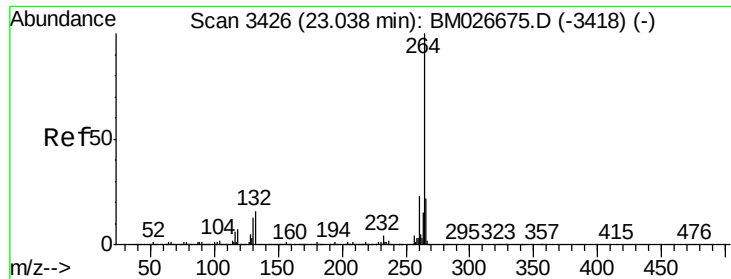
226 29.9 23.7 35.5

229 21.9 15.4 23.0



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



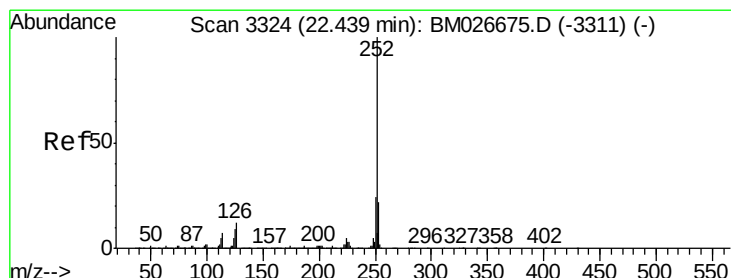
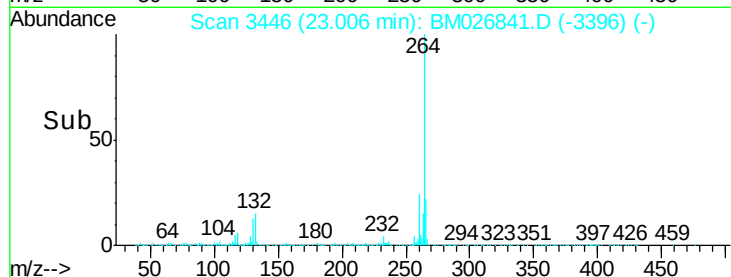
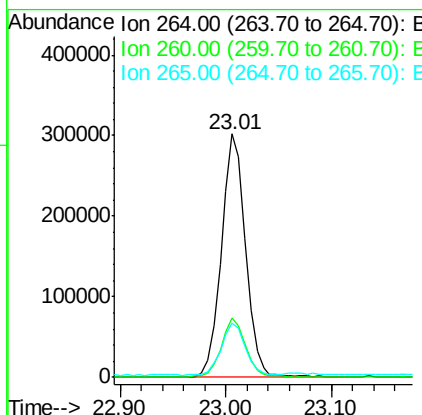
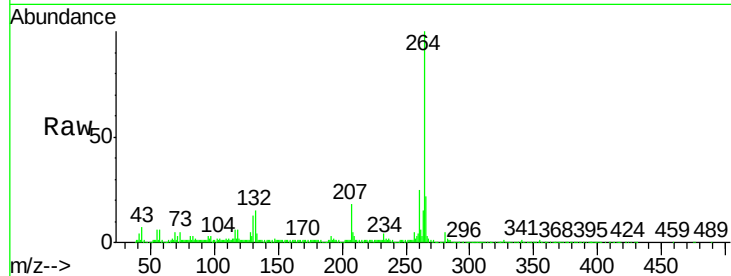


#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.01 min Scan# 3446
Delta R.T. -0.01 min
Lab File: BM026841.D
Acq: 22 Jul 2020 20:30

Instrument :
BNA_M
ClientSampleId :
SP-2RX

Tot Ion:264 Resp: 473388

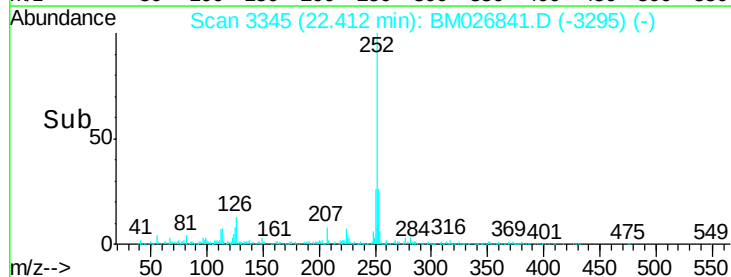
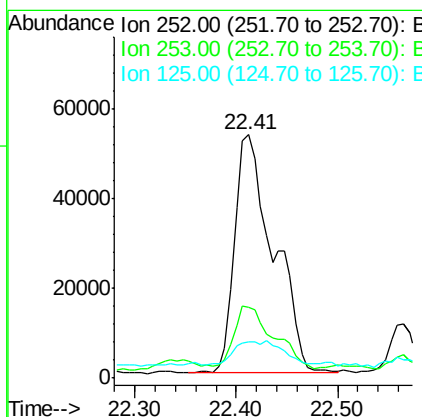
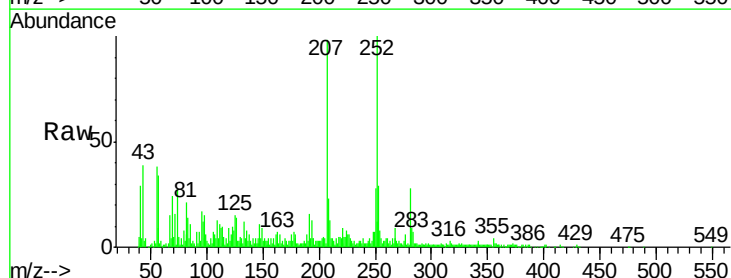
Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.2	27.2
265	22.4	17.6	26.4

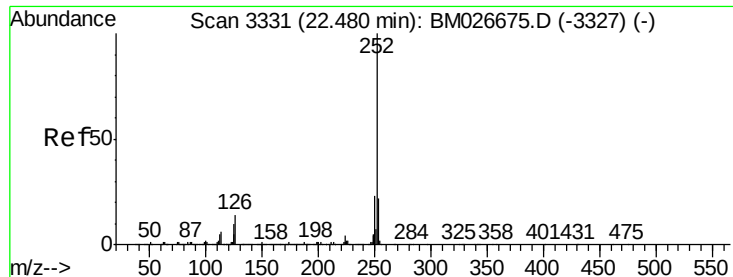


#88
Benzo(b)fluoranthene
Concen: 4.579 ng
RT: 22.41 min Scan# 3345
Delta R.T. -0.01 min
Lab File: BM026841.D
Acq: 22 Jul 2020 20:30

Tgt Ion:252 Resp: 142824

Ion	Ratio	Lower	Upper
252	100		
253	29.2	17.5	26.3#
125	14.7	7.5	11.3#

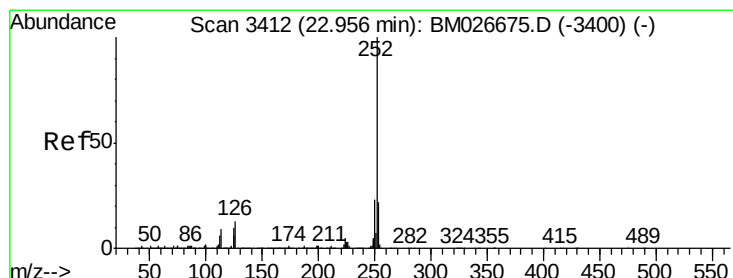
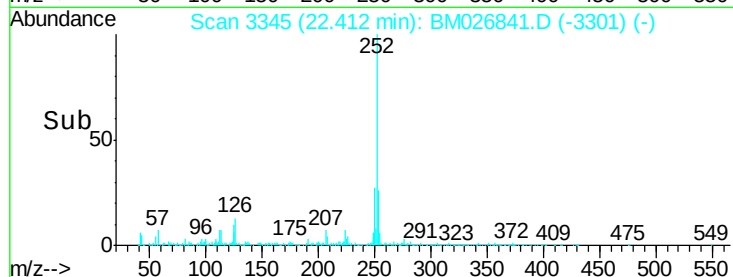
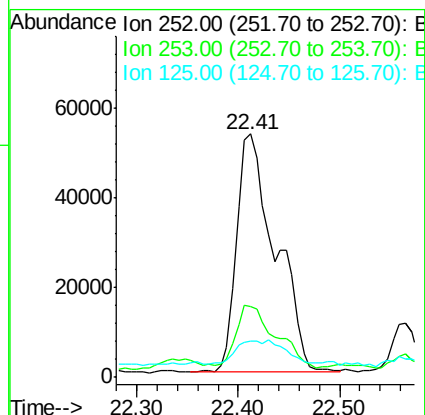
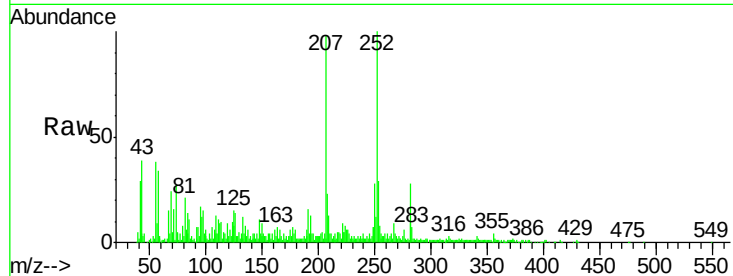




#89
Benzo(k)fluoranthene
Concen: 4.668 ng
RT: 22.41 min Scan# 3345
Delta R.T. -0.04 min
Lab File: BM026841.D
Acq: 22 Jul 2020 20:30

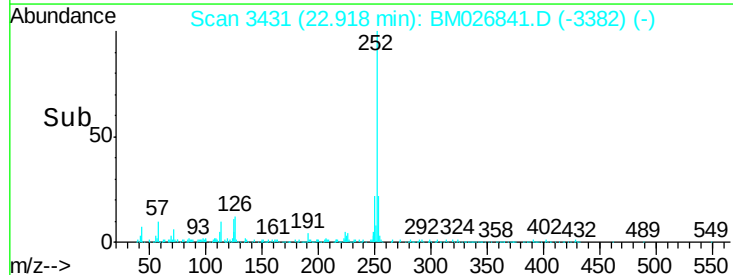
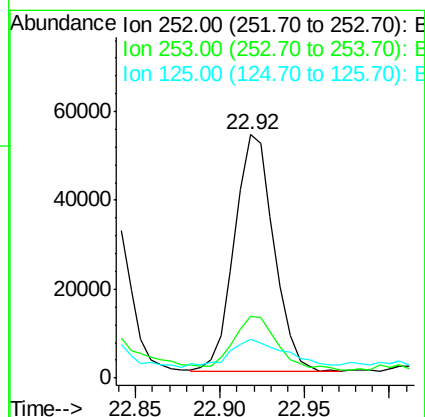
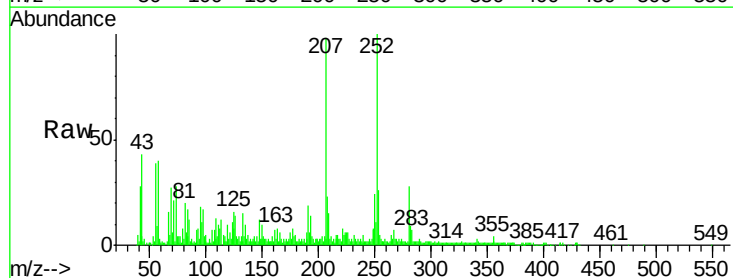
Instrument :
BNA_M
ClientSampleId :
SP-2RX

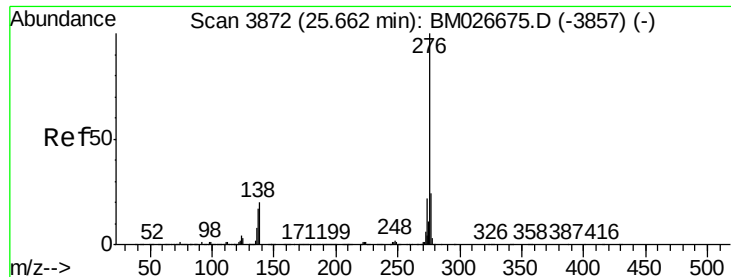
Tot Ion:252 Resp: 142824
Ion Ratio Lower Upper
252 100
253 29.2 17.5 26.3#
125 14.7 7.8 11.8#



#90
Benzo(a)pyrene
Concen: 2.977 ng
RT: 22.92 min Scan# 3431
Delta R.T. -0.01 min
Lab File: BM026841.D
Acq: 22 Jul 2020 20:30

Tgt Ion:252 Resp: 86202
Ion Ratio Lower Upper
252 100
253 25.6 17.4 26.2
125 15.9 8.2 12.4#





#92

Benzo(a,h,i)perylene

Concen: 2.095 ng

RT: 25.60 min Scan# 3887

Delta R.T. -0.01 min

Lab File: BM026841.D

Acq: 22 Jul 2020 20:30

Instrument :

BNA_M

ClientSampleId :

SP-2RX

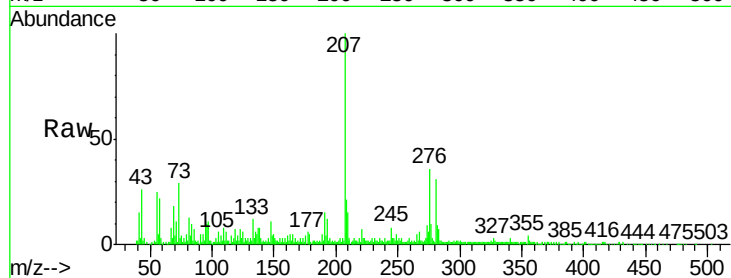
Tot Ion: 276 Resp: 54905

Ion Ratio Lower Upper

276 100

277 28.7 19.1 28.7

138 21.1 15.8 23.8



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

