

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072220\
 Data File : BM026842.D
 Acq On : 22 Jul 2020 21:07
 Operator : JU/CG
 Sample : L3360-04RX
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SP-3RX

Quant Time: Jul 23 02:35:32 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	97230	20.00	ng	0.00
21) Naphthalene-d8	10.05	136	332901	20.00	ng	0.00
39) Acenaphthene-d10	13.96	164	183643	20.00	ng	0.00
64) Phenanthrene-d10	16.72	188	389290	20.00	ng	0.00
76) Chrysene-d12	20.95	240	444654	20.00	ng	0.00
86) Perylene-d12	23.01	264	464381	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.94	112	82646	14.25	ng	0.00
7) Phenol-d6	6.51	99	384365	41.59	ng	0.00
23) Nitrobenzene-d5	8.45	82	400898	51.38	ng	0.00
42) 2,4,6-Tribromophenol	15.47	330	20356	7.61	ng	0.00
45) 2-Fluorobiphenyl	12.57	172	672664	48.70	ng	0.00
79) Terphenyl-d14	19.39	244	992185	43.91	ng	0.00

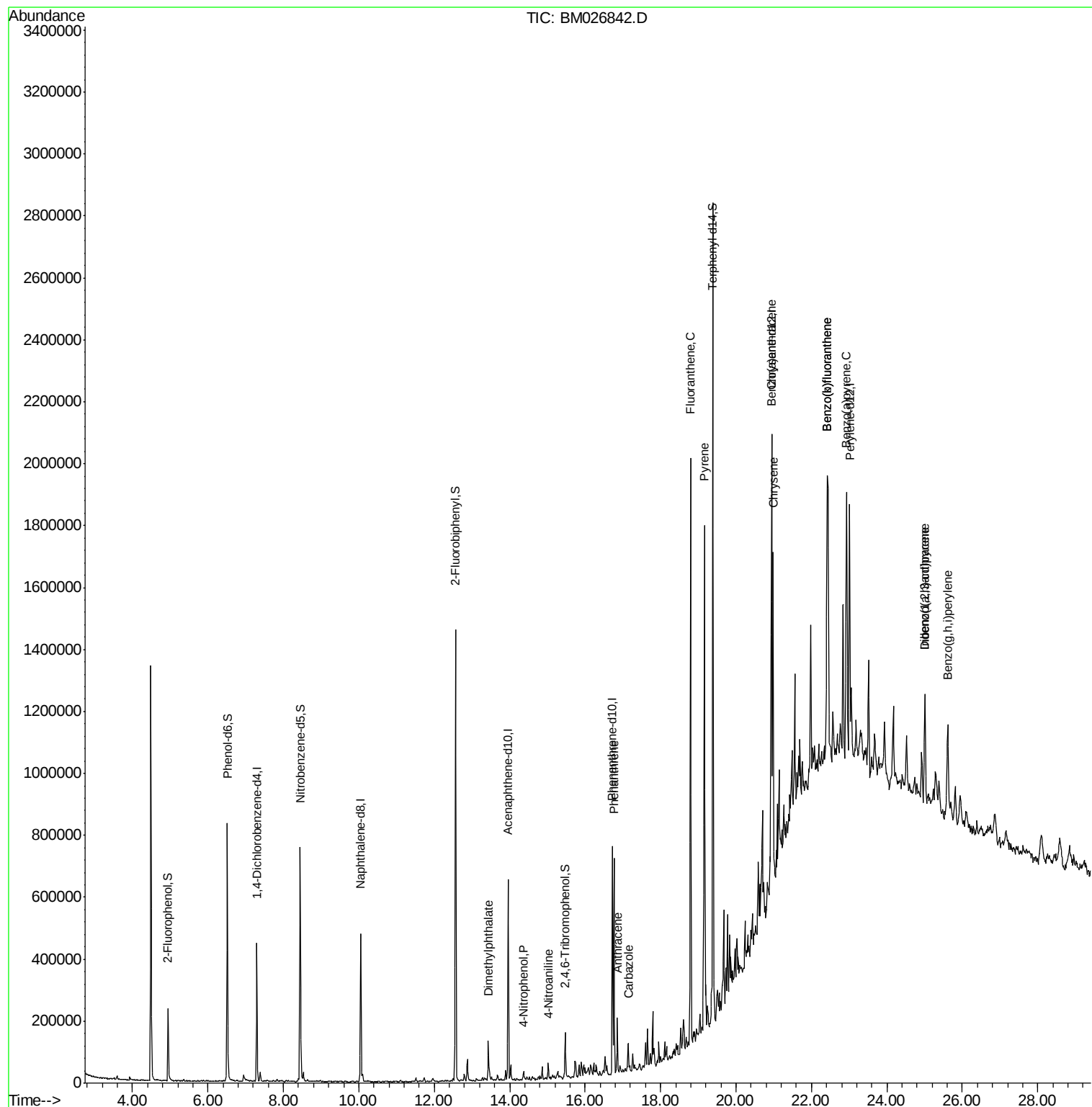
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	13.44	163	73143	4.657	ng	100
56) 4-Nitrophenol	14.37	139	5458	5.614	ng	# 1
62) 4-Nitroaniline	15.03	138	159	3.178	ng	# 6
71) Phenanthrene	16.77	178	372876	16.225	ng	99
72) Anthracene	16.85	178	89776	3.924	ng	100
73) Carbazole	17.14	167	52280	2.397	ng	98
75) Fluoranthene	18.79	202	1042448	36.828	ng	98
78) Pyrene	19.16	202	936273	33.425	ng	99
81) Benzo(a)anthracene	20.93	228	545731	18.271	ng	98
83) Chrysene	20.98	228	521633	17.943	ng	97
87) Indeno(1,2,3-cd)pyrene	25.01	276	289807	8.766	ng	95
88) Benzo(b)fluoranthene	22.41	252	858708	28.064	ng	95
89) Benzo(k)fluoranthene	22.41	252	858708	28.611	ng	96
90) Benzo(a)pyrene	22.92	252	453444	15.963	ng	# 95
91) Dibenzo(a,h)anthracene	25.01	278	76125	2.728	ng	# 76
92) Benzo(g,h,i)perylene	25.61	276	287768	11.191	ng	98

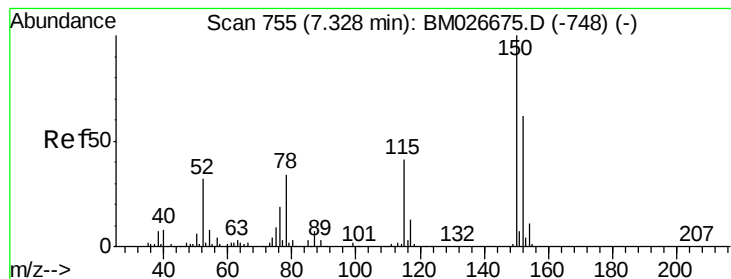
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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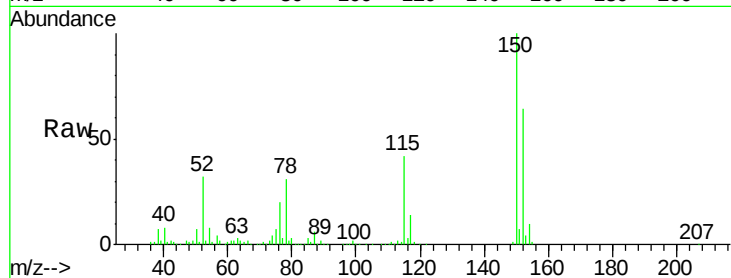


#1

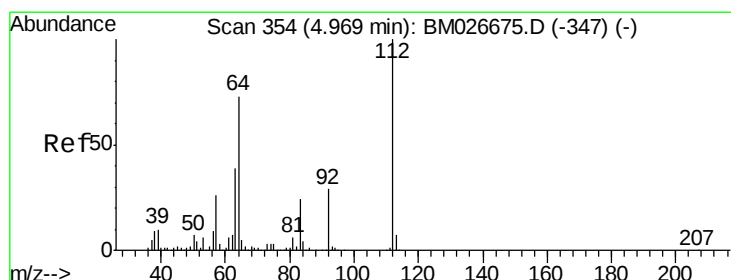
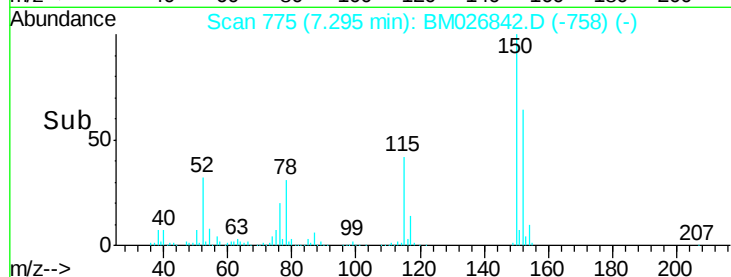
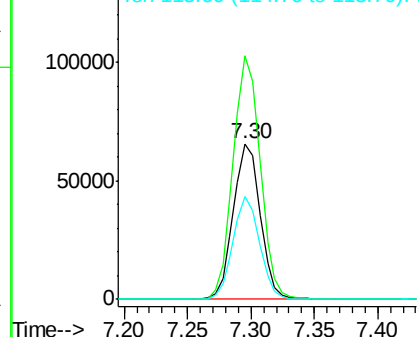
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.30 min Scan# 775
Delta R.T. -0.00 min
Lab File: BM026842.D
Acq: 22 Jul 2020 21:07

Instrument :
BNA_M
ClientSampled :
SP-3RX

Tot Ion:152 Resp: 97230
Ion Ratio Lower Upper
152 100
150 156.1 128.1 192.1
115 66.0 52.2 78.4



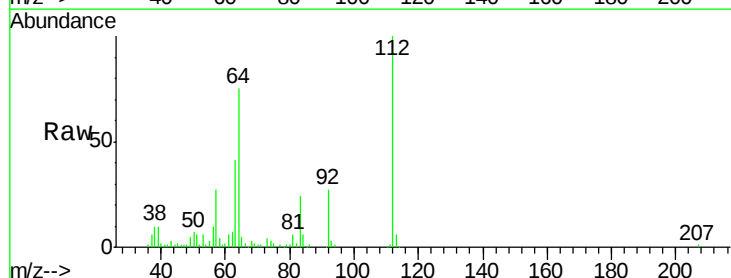
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



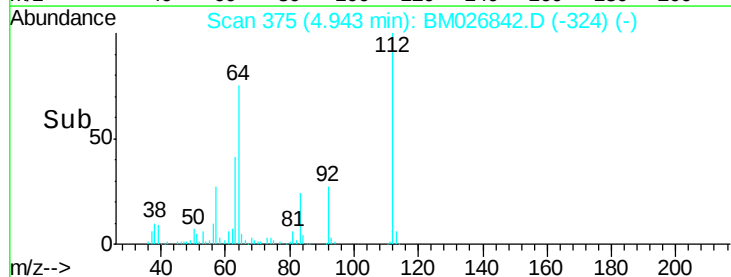
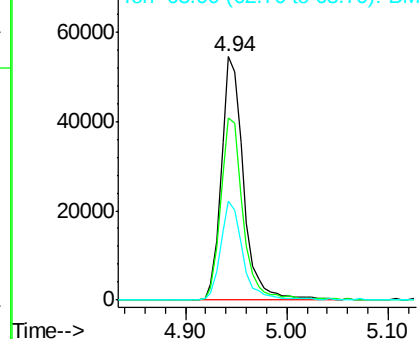
#5

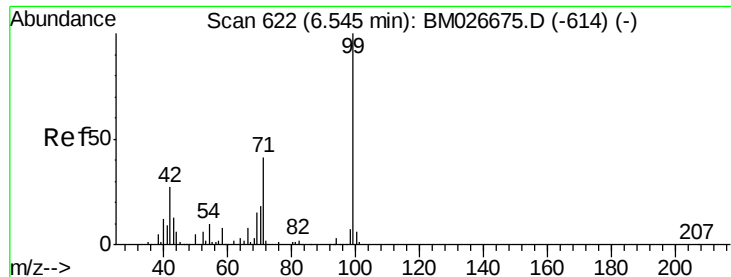
2-Fluorophenol
Concen: 14.247 ng
RT: 4.94 min Scan# 375
Delta R.T. -0.00 min
Lab File: BM026842.D
Acq: 22 Jul 2020 21:07

Tgt Ion:112 Resp: 82646
Ion Ratio Lower Upper
112 100
64 74.7 58.4 87.6
63 40.7 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: 41.587 ng

RT: 6.51 min Scan# 642

Delta R.T. -0.00 min

Lab File: BM026842.D

Acq: 22 Jul 2020 21:07

Instrument :

BNA_M

ClientSampleId :

SP-3RX

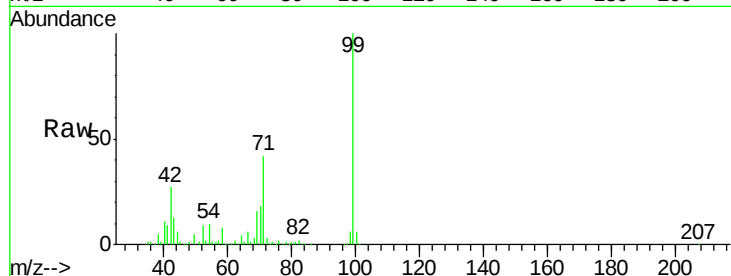
Tot Ion: 99 Resp: 384365

Ion Ratio Lower Upper

99 100

42 26.5 21.7 32.5

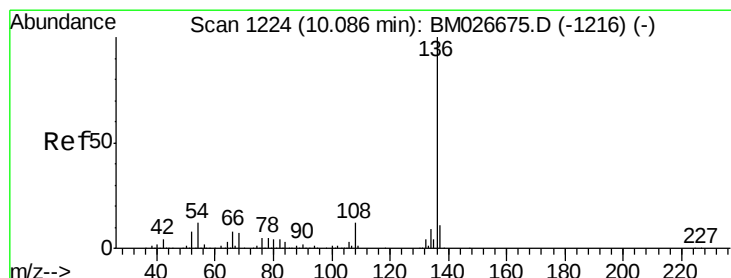
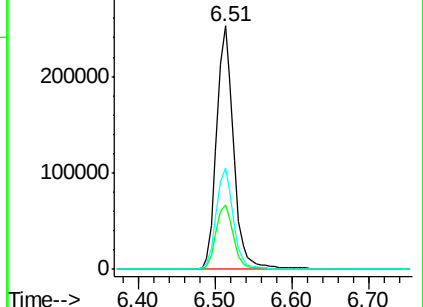
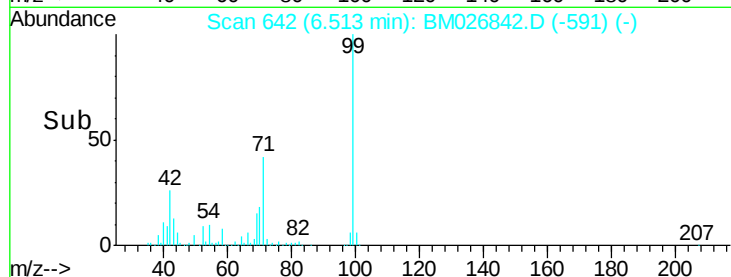
71 41.9 33.2 49.8



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: BM026842.D

Acq: 22 Jul 2020 21:07

Tgt Ion: 136 Resp: 332901

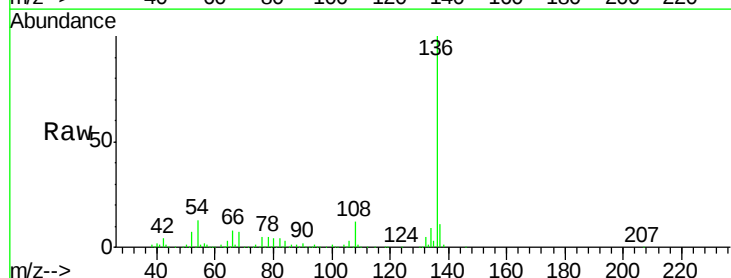
Ion Ratio Lower Upper

136 100

137 11.2 8.6 12.8

54 12.6 9.8 14.6

68 7.1 5.8 8.6

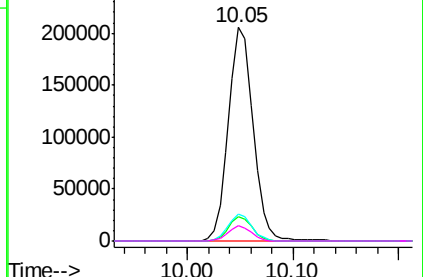
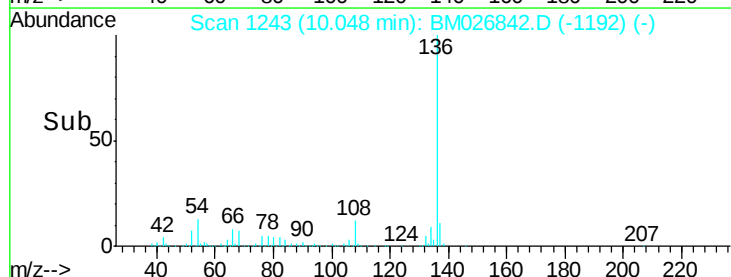


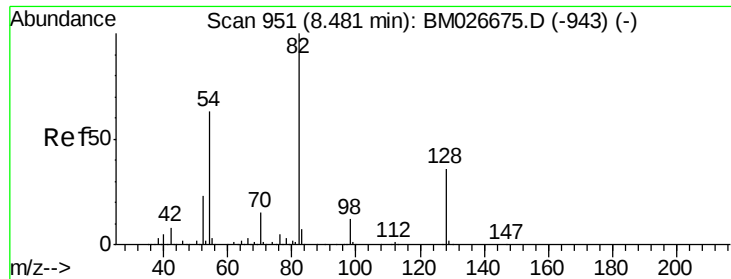
Abundance Ion 136.00 (135.70 to 136.70): BM026675.D (-1216) (-)

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) (-)

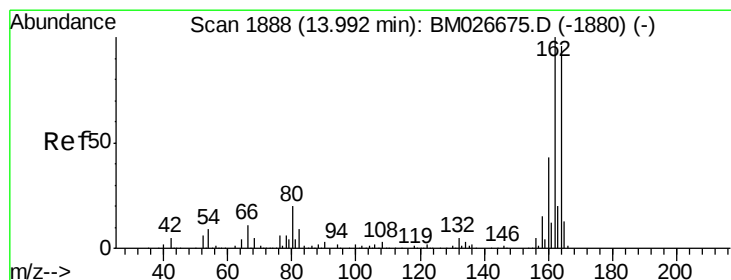
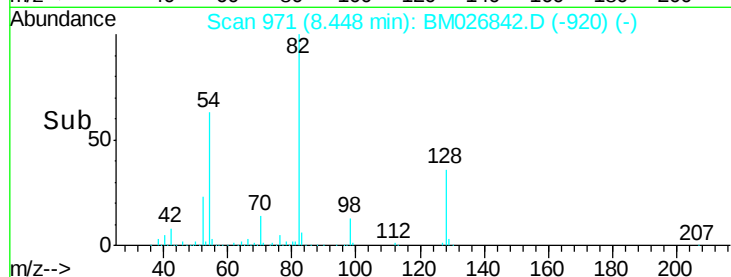
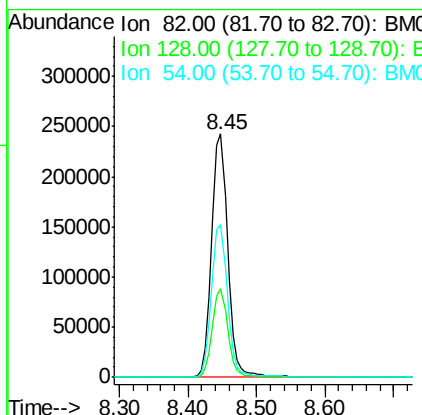
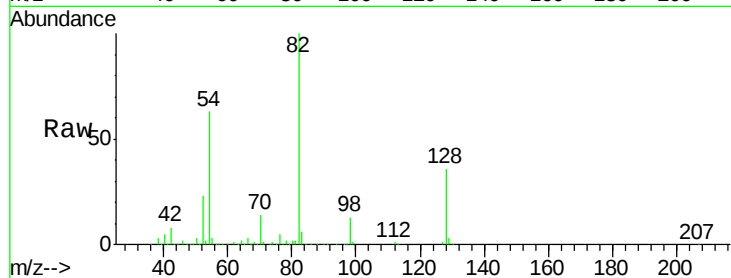




#23
 Nitrobenzene-d5
 Concen: 51.377 ng
 RT: 8.45 min Scan# 971
 Delta R.T. -0.00 min
 Lab File: BM026842.D
 Acq: 22 Jul 2020 21:07

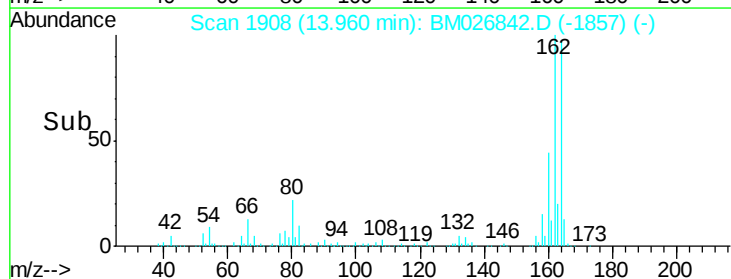
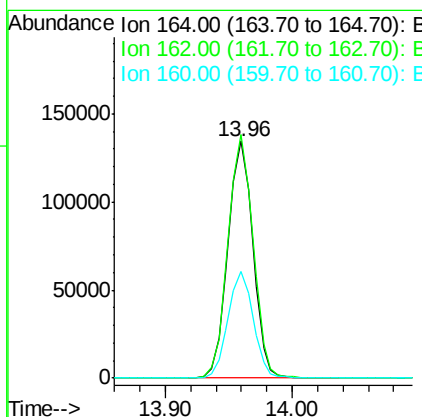
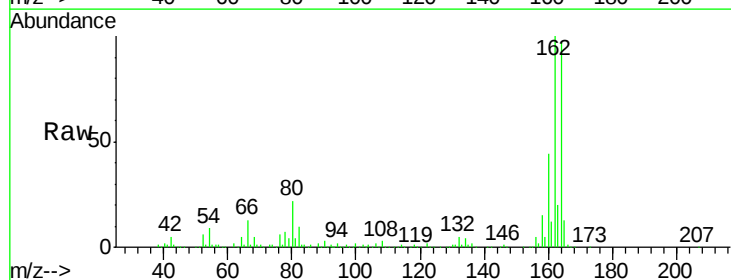
Instrument :
 BNA_M
 ClientSampled :
 SP-3RX

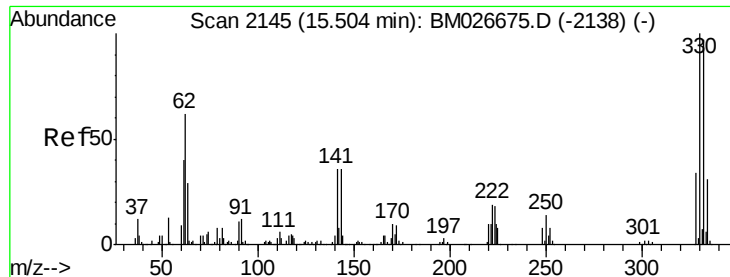
Tot Ion	82	Resp	400898
Ion Ratio	Lower	Upper	
82	100		
128	36.4	29.1	43.7
54	62.8	50.2	75.4



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 13.96 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: BM026842.D
 Acq: 22 Jul 2020 21:07

Tgt Ion	164	Resp	183643
Ion Ratio	Lower	Upper	
164	100		
162	102.7	83.7	125.5
160	44.8	36.2	54.2

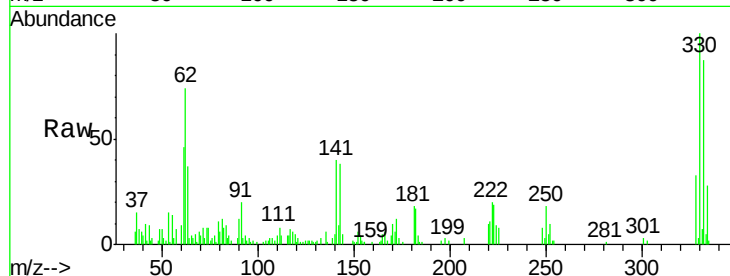




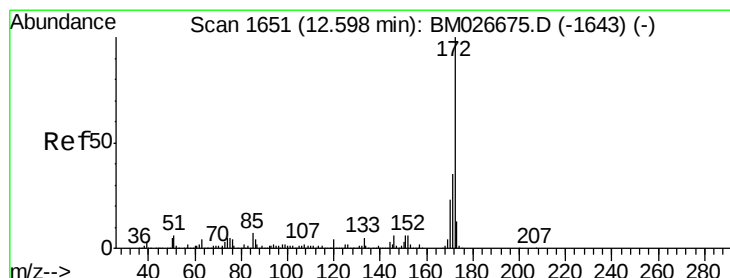
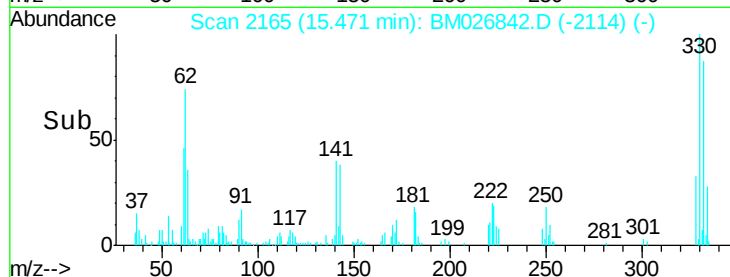
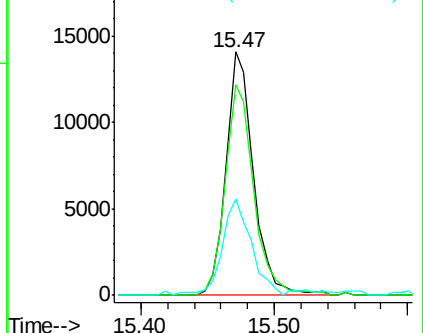
#42
 2,4,6-Tribromophenol
 Concen: 7.609 ng
 RT: 15.47 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: BM026842.D
 Acq: 22 Jul 2020 21:07

Instrument :
 BNA_M
 ClientSampleId :
 SP-3RX

Tot Ion	Ratio	Lower	Upper
330	100		
332	90.2	77.5	116.3
141	42.4	32.4	48.6

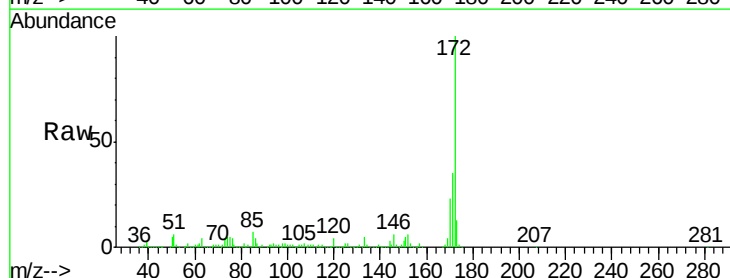


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

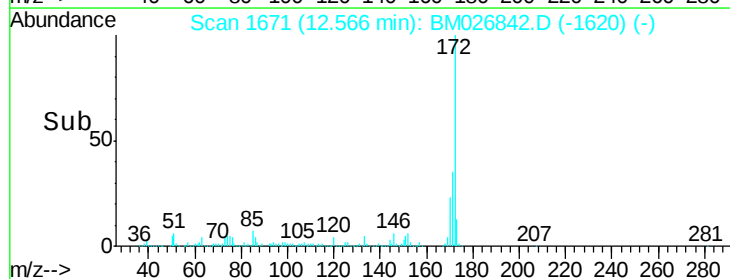
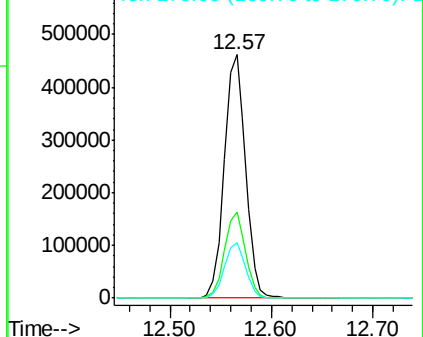


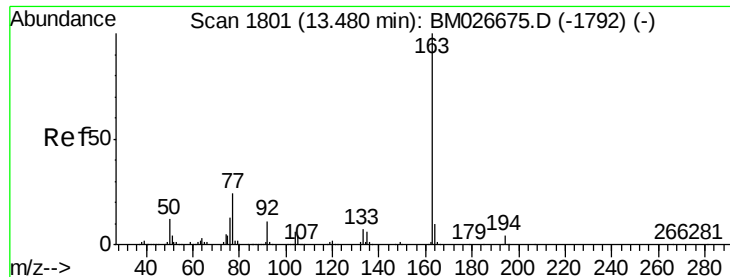
#45
 2-Fluorobiphenyl
 Concen: 48.703 ng
 RT: 12.57 min Scan# 1671
 Delta R.T. -0.00 min
 Lab File: BM026842.D
 Acq: 22 Jul 2020 21:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	27.8	41.6
170	23.0	18.5	27.7



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: 4.657 ng

RT: 13.44 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BM026842.D

Acq: 22 Jul 2020 21:07

Instrument :

BNA_M

ClientSampleId :

SP-3RX

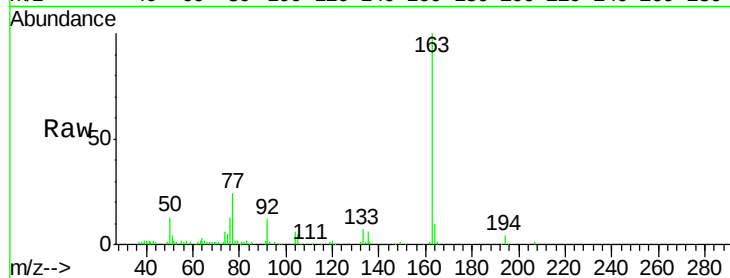
Tot Ion:163 Resp: 73143

Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

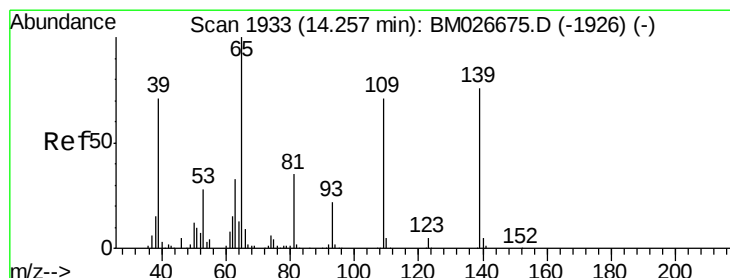
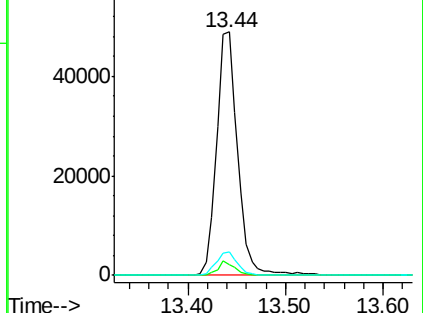
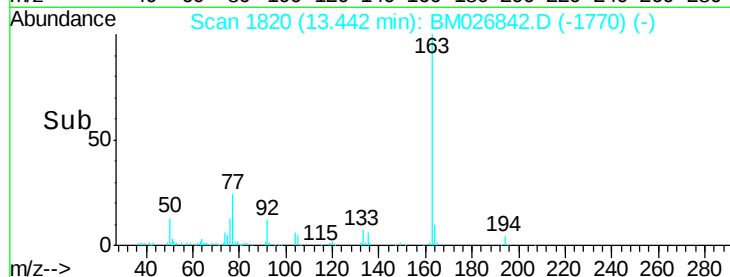
164 9.6 7.8 11.6



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: 5.614 ng

RT: 14.37 min Scan# 1978

Delta R.T. 0.14 min

Lab File: BM026842.D

Acq: 22 Jul 2020 21:07

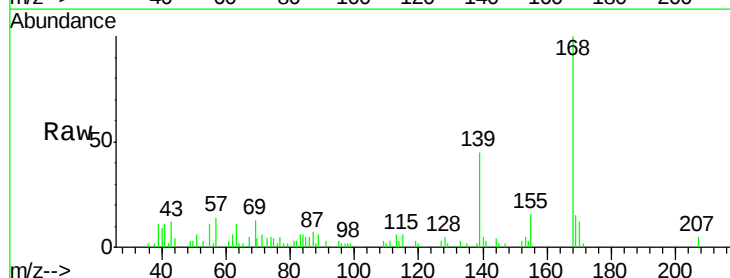
Tgt Ion:139 Resp: 5458

Ion Ratio Lower Upper

139 100

109 6.1 73.7 113.7#

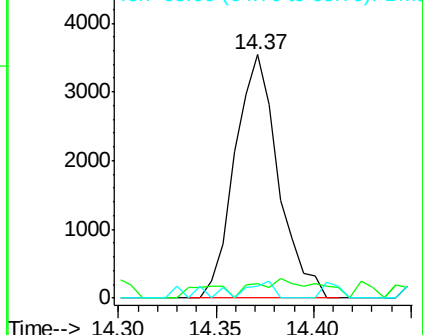
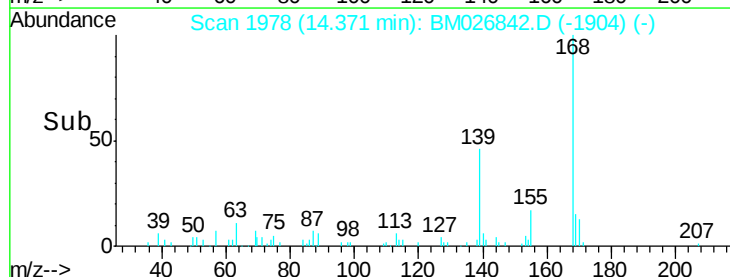
65 4.7 111.5 151.5#

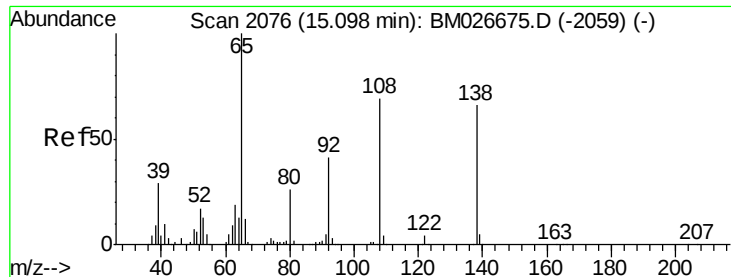


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BM

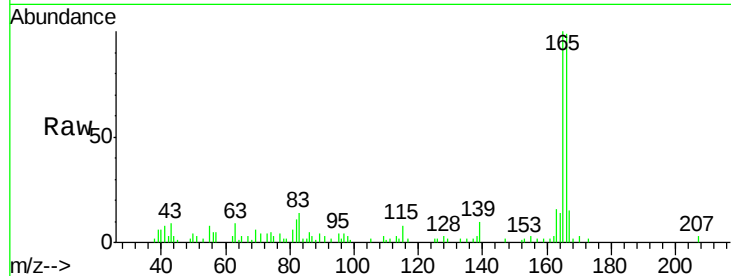




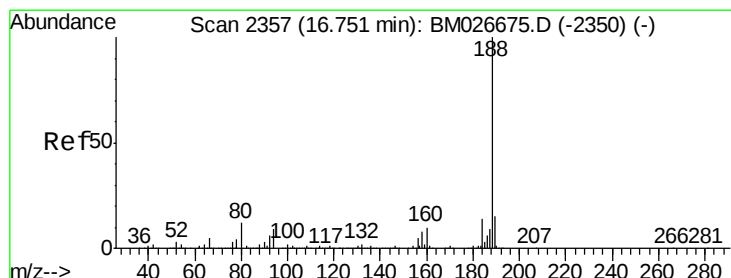
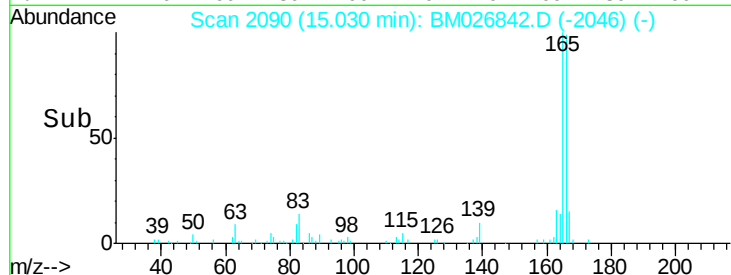
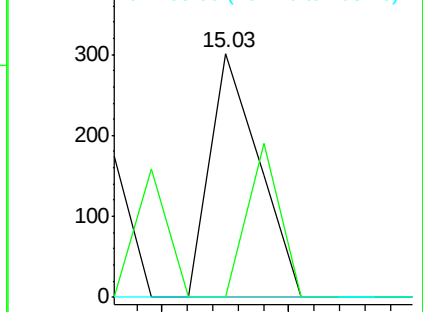
#62
4-Nitroaniline
Concen: 3.178 ng
RT: 15.03 min Scan# 2090
Delta R.T. -0.04 min
Lab File: BM026842.D
Acq: 22 Jul 2020 21:07

Instrument :
BNA_M
ClientSampleId :
SP-3RX

Tot Ion:138 Resp: 159
Ion Ratio Lower Upper
138 100
92 0.0 41.5 81.5#
108 0.0 84.8 124.8#

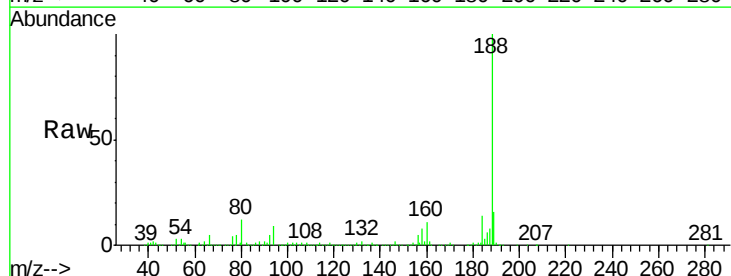


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BM0
Ion 108.00 (107.70 to 108.70): E

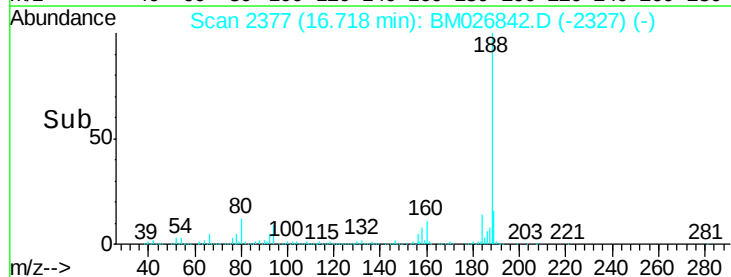
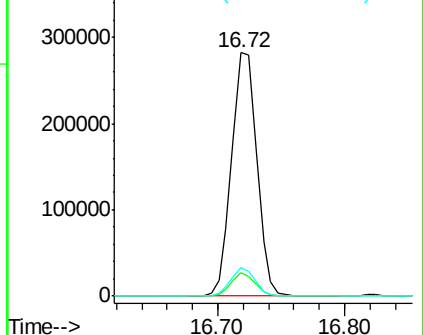


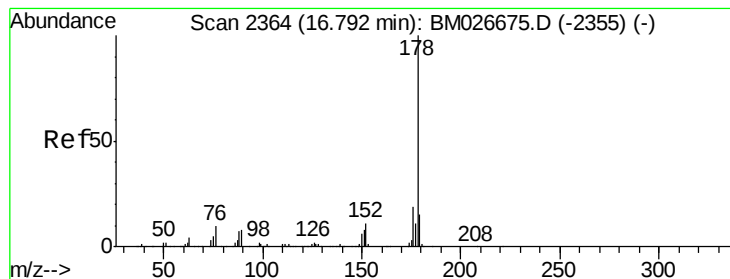
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.72 min Scan# 2377
Delta R.T. -0.01 min
Lab File: BM026842.D
Acq: 22 Jul 2020 21:07

Tgt Ion:188 Resp: 389290
Ion Ratio Lower Upper
188 100
94 9.5 7.4 11.0
80 11.9 9.3 13.9



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: 16.225 ng

RT: 16.77 min Scan# 2385

Delta R.T. -0.00 min

Lab File: BM026842.D

Acq: 22 Jul 2020 21:07

Instrument :

BNA_M

ClientSampleId :

SP-3RX

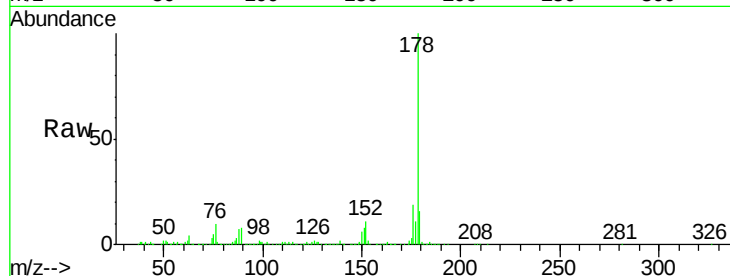
Tot Ion:178 Resp: 372876

Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.6

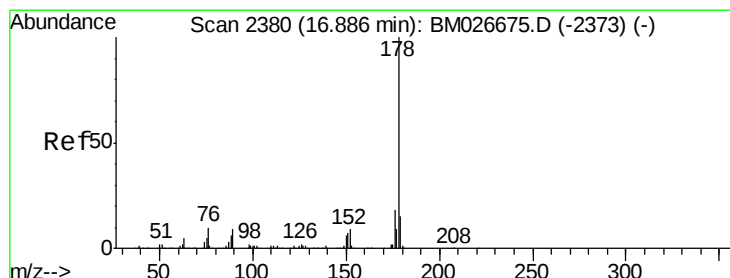
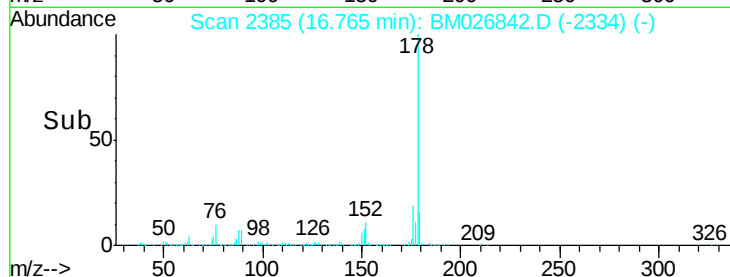
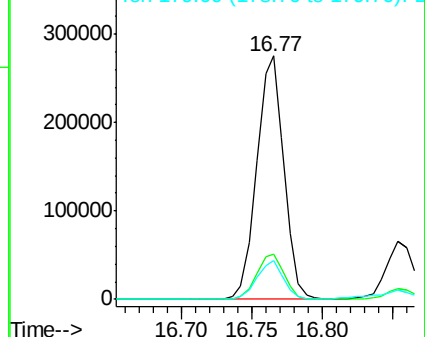
179 15.7 12.1 18.1



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: 3.924 ng

RT: 16.85 min Scan# 2400

Delta R.T. -0.00 min

Lab File: BM026842.D

Acq: 22 Jul 2020 21:07

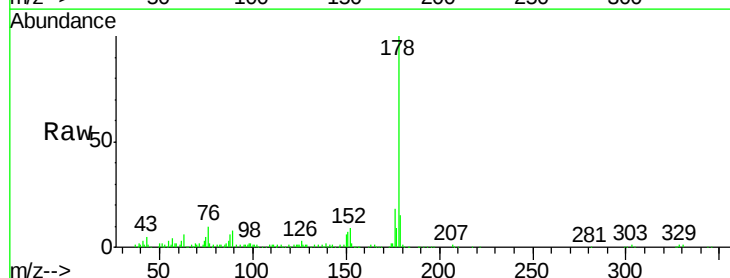
Tgt Ion:178 Resp: 89776

Ion Ratio Lower Upper

178 100

176 18.3 14.7 22.1

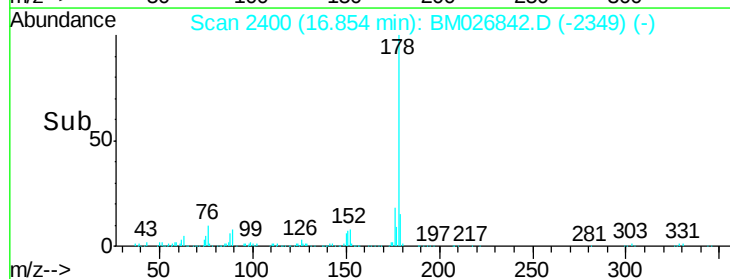
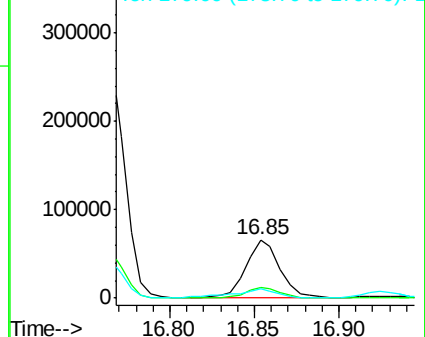
179 15.0 12.1 18.1

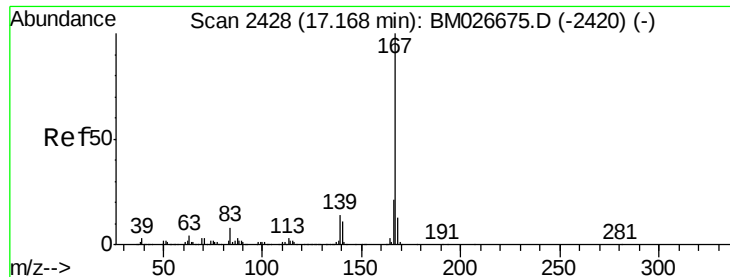


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 2.397 ng

RT: 17.14 min Scan# 2449

Delta R.T. -0.00 min

Lab File: BM026842.D

Acq: 22 Jul 2020 21:07

Instrument :

BNA_M

ClientSampleId :

SP-3RX

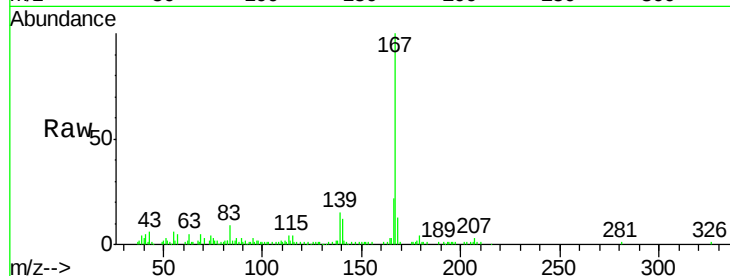
Tot Ion:167 Resp: 52280

Ion Ratio Lower Upper

167 100

166 21.6 16.9 25.3

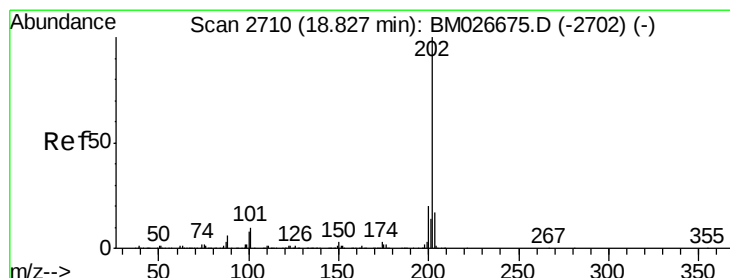
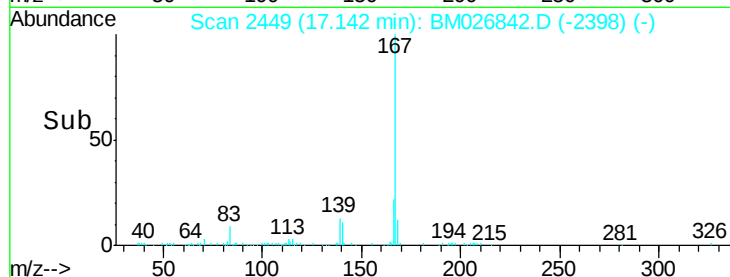
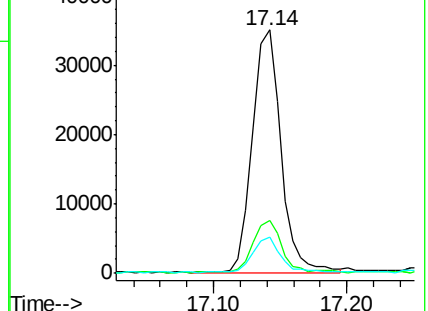
139 14.6 10.8 16.2



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75

Fluoranthene

Concen: 36.828 ng

RT: 18.79 min Scan# 2730

Delta R.T. -0.01 min

Lab File: BM026842.D

Acq: 22 Jul 2020 21:07

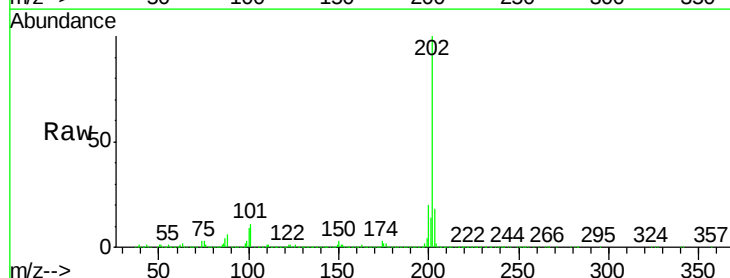
Tgt Ion:202 Resp: 1042448

Ion Ratio Lower Upper

202 100

101 10.9 0.0 30.1

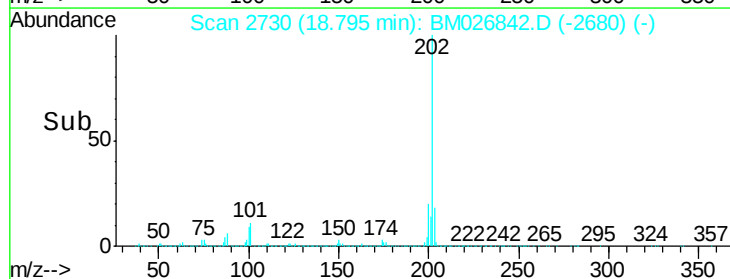
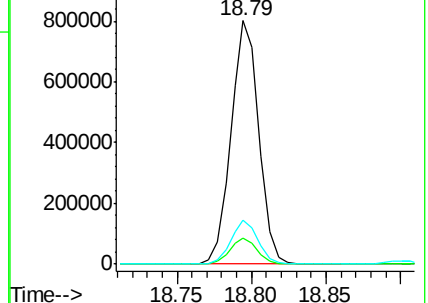
203 17.9 0.0 37.2

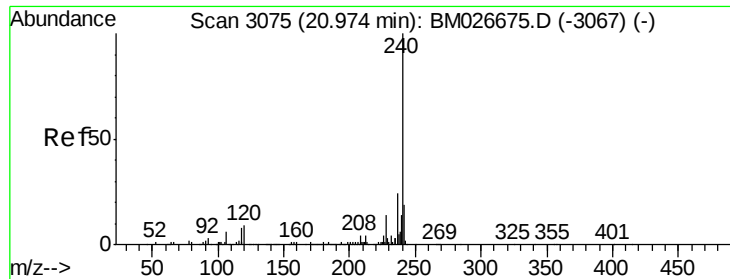


Abundance Ion 202.00 (201.70 to 202.70): E

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: 20.95 min Scan# 3096

Delta R.T. -0.00 min

Lab File: BM026842.D

Acq: 22 Jul 2020 21:07

Instrument :

BNA_M

ClientSampleId :

SP-3RX

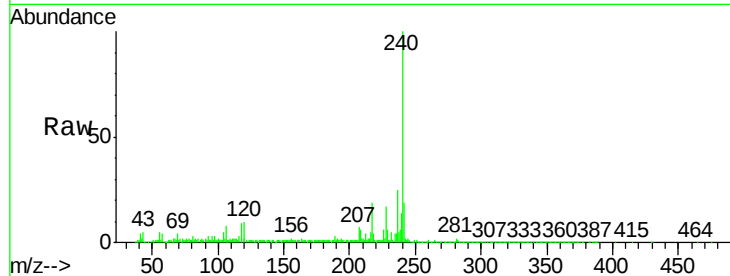
Tot Ion:240 Resp: 444654

Ion Ratio Lower Upper

240 100

120 10.1 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

500000

400000

300000

200000

100000

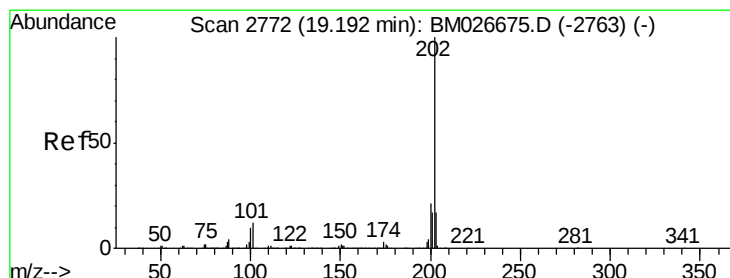
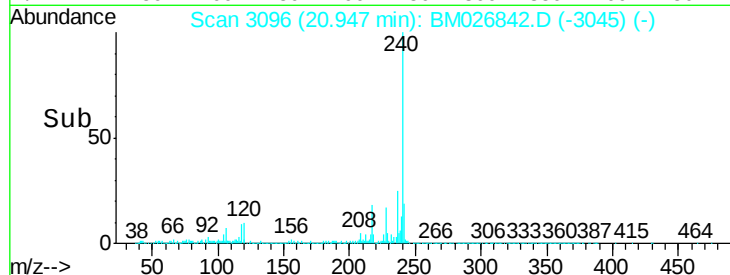
0

20.95

20.90

21.00

Time-->



#78

Pyrene

Concen: 33.425 ng

RT: 19.16 min Scan# 2792

Delta R.T. -0.01 min

Lab File: BM026842.D

Acq: 22 Jul 2020 21:07

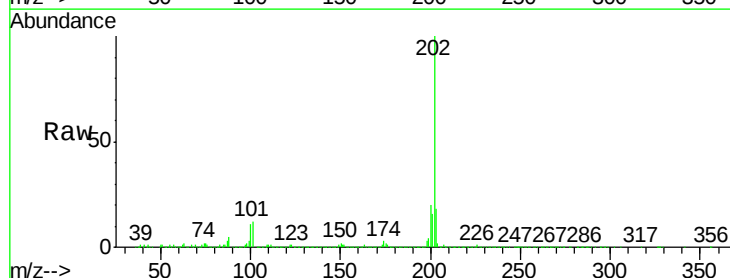
Tgt Ion:202 Resp: 936273

Ion Ratio Lower Upper

202 100

200 20.3 16.6 24.8

203 18.0 13.7 20.5



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

800000

600000

400000

200000

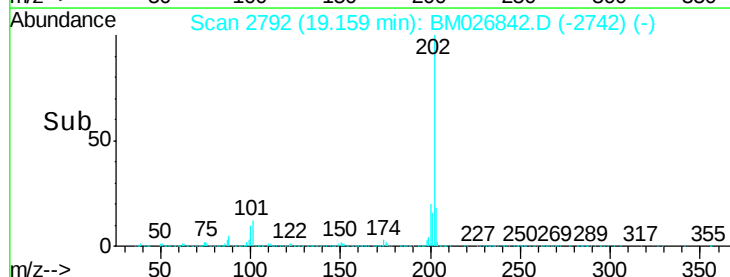
0

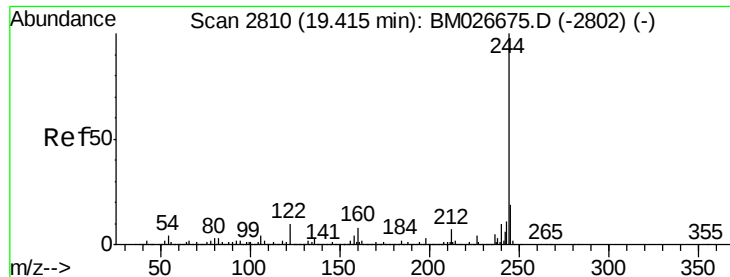
19.16

19.10

19.20

Time-->

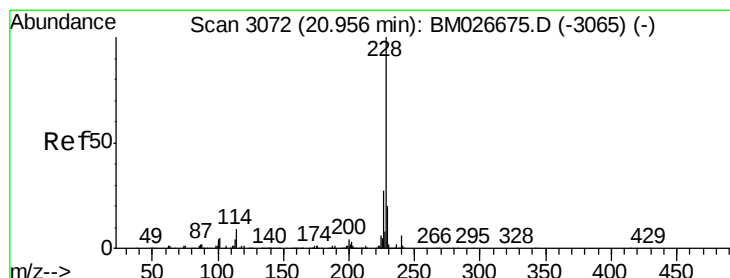
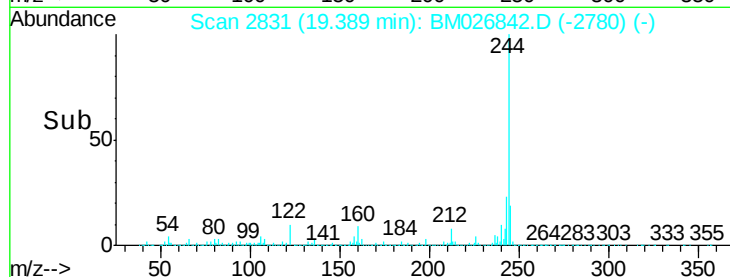
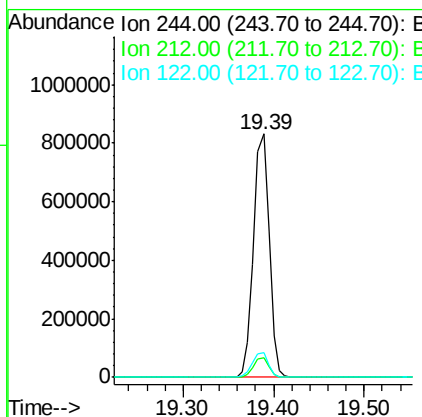
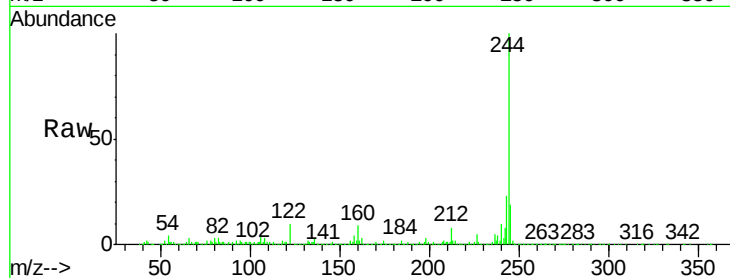




#79
 Terphenyl-d14
 Concen: 43.914 ng
 RT: 19.39 min Scan# 2831
 Delta R.T. -0.00 min
 Lab File: BM026842.D
 Acq: 22 Jul 2020 21:07

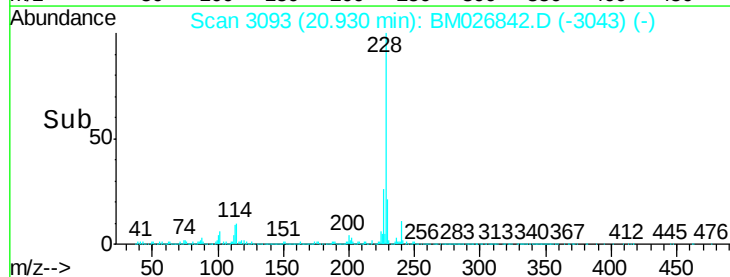
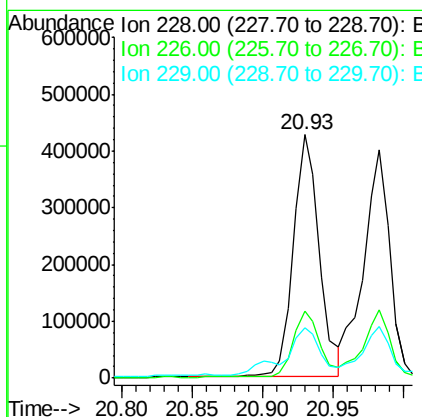
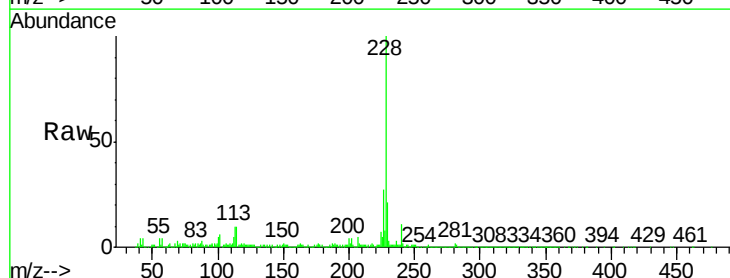
Instrument :
 BNA_M
 ClientSampled :
 SP-3RX

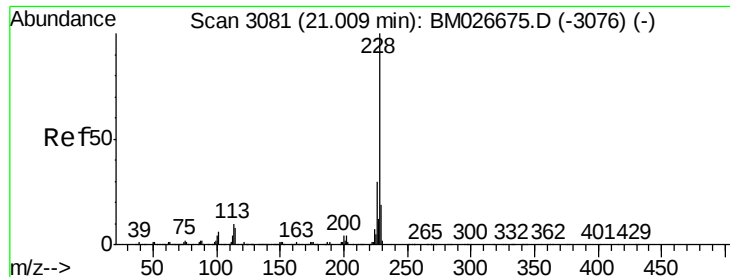
Tot Ion:244 Resp: 992185
 Ion Ratio Lower Upper
 244 100
 212 7.8 5.9 8.9
 122 10.1 8.2 12.4



#81
 Benzo(a)anthracene
 Concen: 18.271 ng
 RT: 20.93 min Scan# 3093
 Delta R.T. -0.01 min
 Lab File: BM026842.D
 Acq: 22 Jul 2020 21:07

Tgt Ion:228 Resp: 545731
 Ion Ratio Lower Upper
 228 100
 226 27.3 21.4 32.2
 229 20.9 15.6 23.4

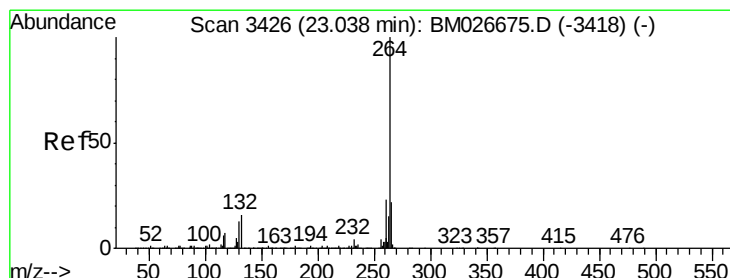
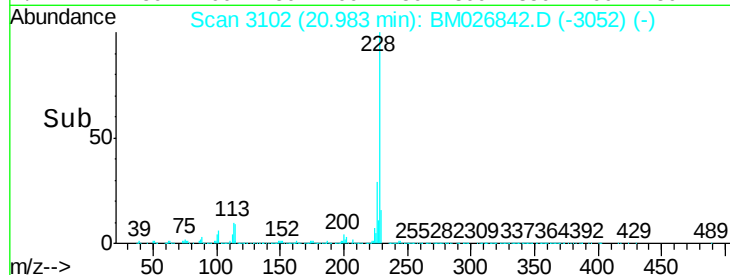
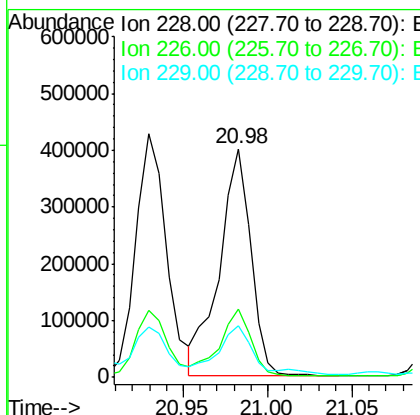
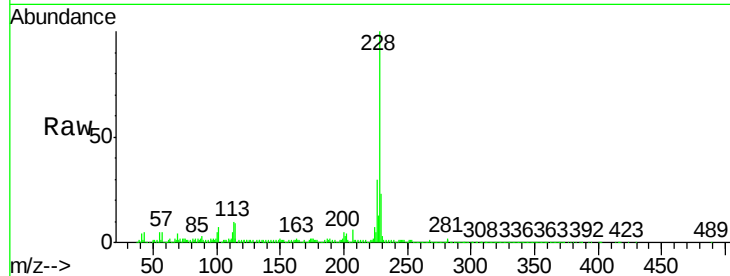




#83
 Chrvsene
 Concen: 17.943 ng
 RT: 20.98 min Scan# 3102
 Delta R.T. -0.01 min
 Lab File: BM026842.D
 Acq: 22 Jul 2020 21:07

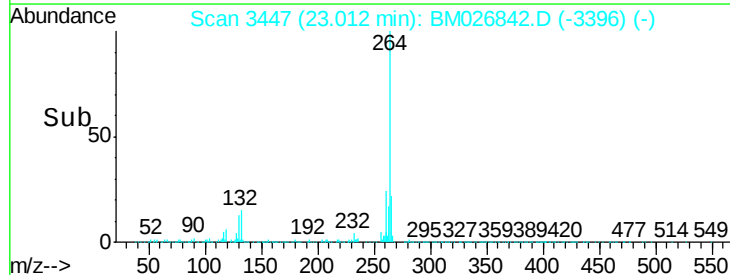
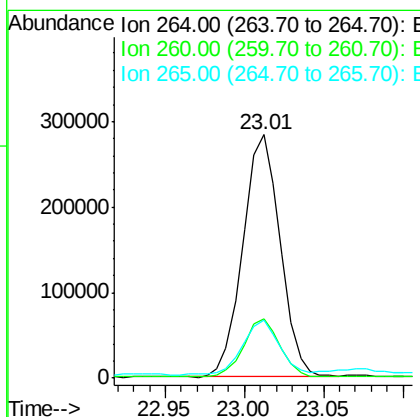
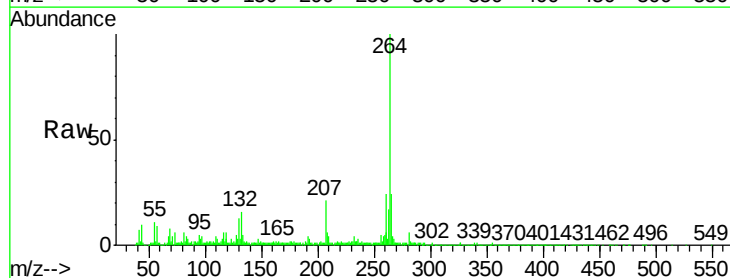
Instrument :
 BNA_M
 ClientSampleID :
 SP-3RX

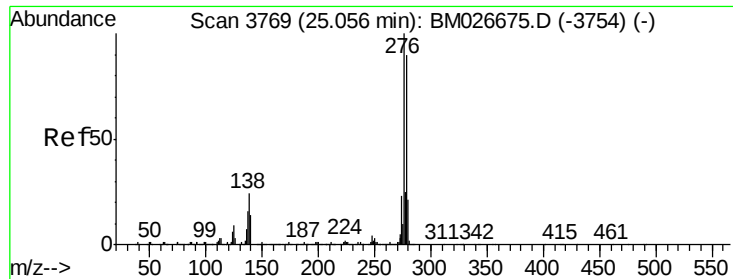
Tot Ion:228 Resp: 521633
 Ion Ratio Lower Upper
 228 100
 226 29.8 23.7 35.5
 229 22.8 15.4 23.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.01 min Scan# 3447
 Delta R.T. -0.00 min
 Lab File: BM026842.D
 Acq: 22 Jul 2020 21:07

Tgt Ion:264 Resp: 464381
 Ion Ratio Lower Upper
 264 100
 260 24.4 18.2 27.2
 265 23.6 17.6 26.4

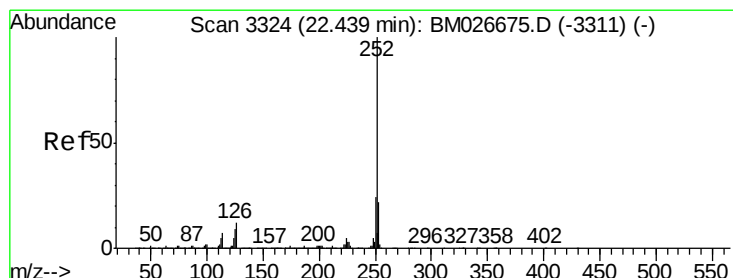
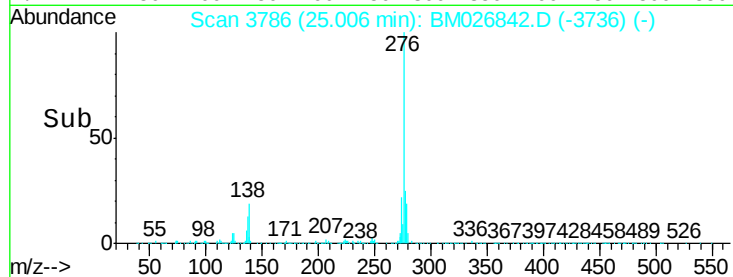
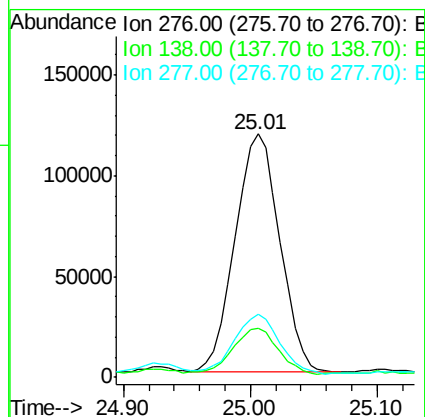
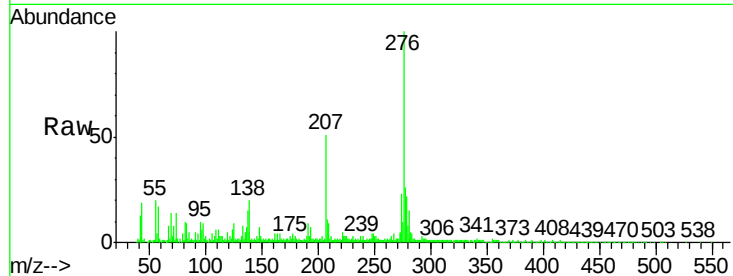




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.766 ng
 RT: 25.01 min Scan# 3786
 Delta R.T. -0.01 min
 Lab File: BM026842.D
 Acq: 22 Jul 2020 21:07

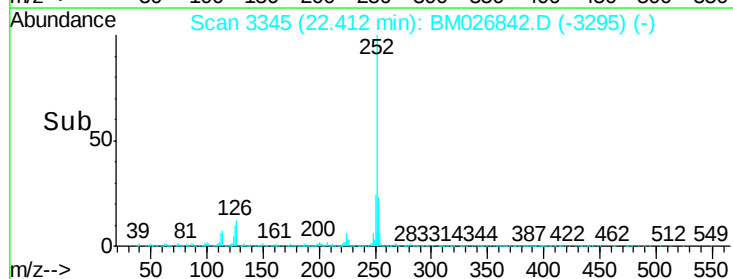
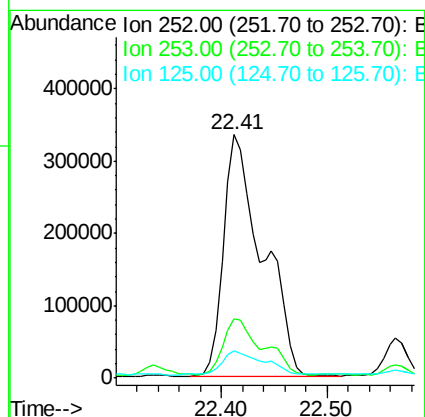
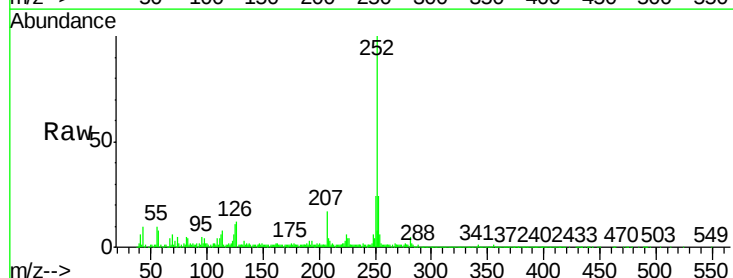
Instrument :
 BNA_M
 ClientSampleId :
 SP-3RX

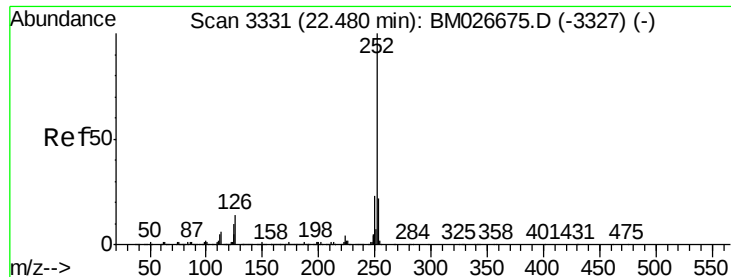
Tot Ion	Ratio	Lower	Upper
276	100		
138	18.6	18.4	27.6
277	24.6	20.0	30.0



#88
 Benzo(b)fluoranthene
 Concen: 28.064 ng
 RT: 22.41 min Scan# 3345
 Delta R.T. -0.01 min
 Lab File: BM026842.D
 Acq: 22 Jul 2020 21:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.5	26.3
125	11.2	7.5	11.3

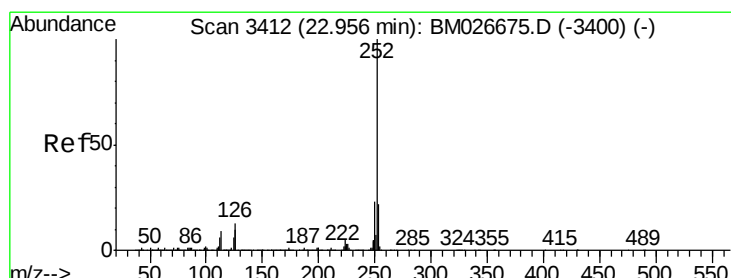
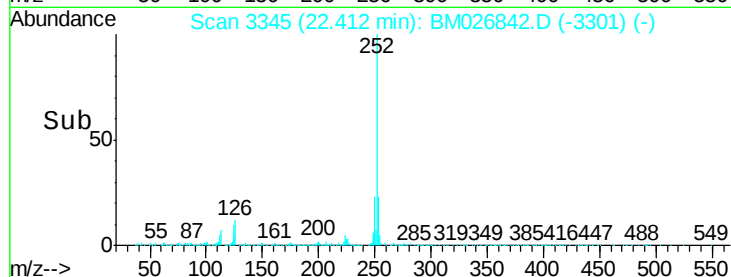
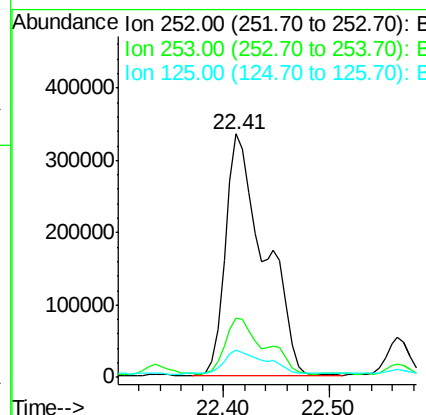
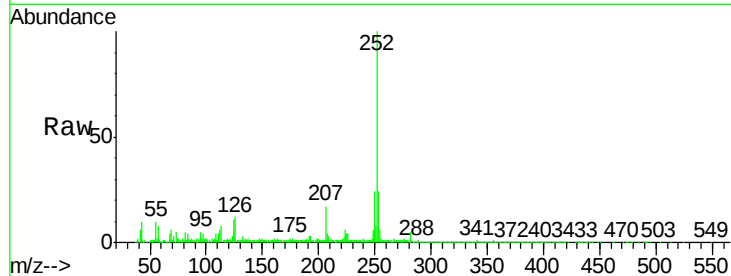




#89
Benzo(k)fluoranthene
Concen: 28.611 ng
RT: 22.41 min Scan# 3345
Delta R.T. -0.04 min
Lab File: BM026842.D
Acq: 22 Jul 2020 21:07

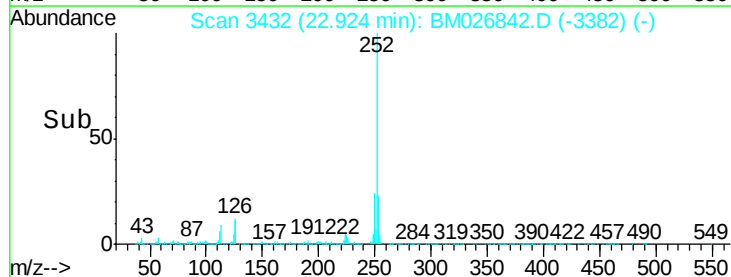
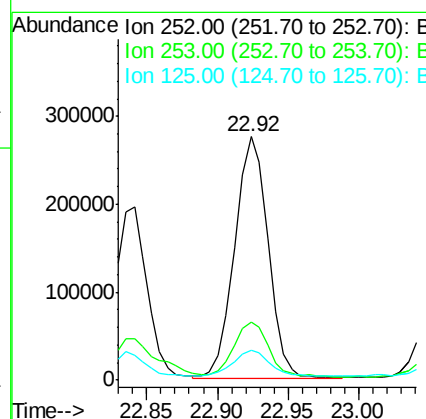
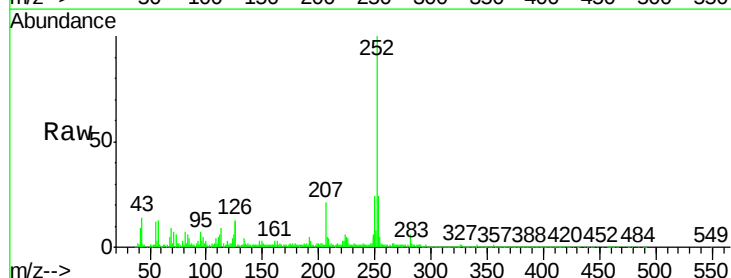
Instrument :
BNA_M
ClientSampleId :
SP-3RX

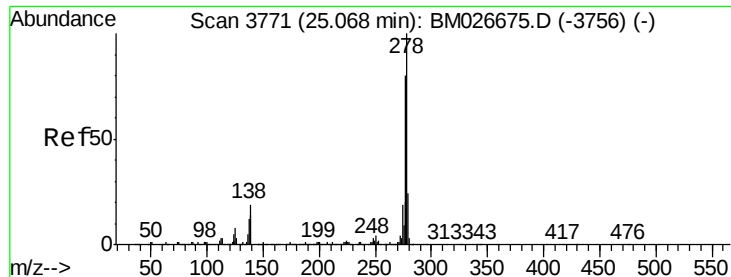
Tot Ion:252 Resp: 858708
Ion Ratio Lower Upper
252 100
253 24.2 17.5 26.3
125 11.2 7.8 11.8



#90
Benzo(a)pyrene
Concen: 15.963 ng
RT: 22.92 min Scan# 3432
Delta R.T. -0.01 min
Lab File: BM026842.D
Acq: 22 Jul 2020 21:07

Tgt Ion:252 Resp: 453444
Ion Ratio Lower Upper
252 100
253 24.1 17.4 26.2
125 12.4 8.2 12.4#





#91

Dibenzo(a,h)anthracene

Concen: 2.728 ng

RT: 25.01 min Scan# 3786

Delta R.T. -0.01 min

Lab File: BM026842.D

Acq: 22 Jul 2020 21:07

Instrument :

BNA_M

ClientSampleId :

SP-3RX

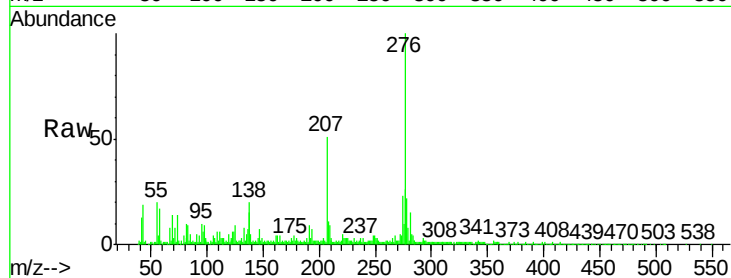
Tot Ion:278 Resp: 76125

Ion Ratio Lower Upper

278 100

139 24.2 11.2 16.8#

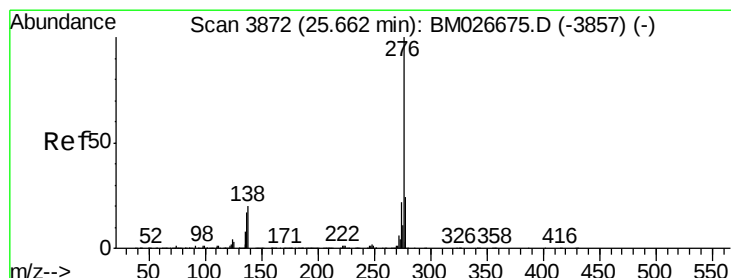
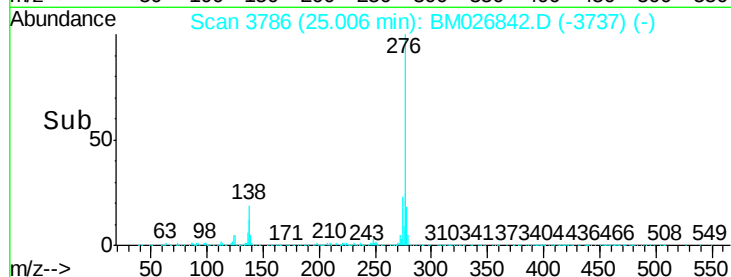
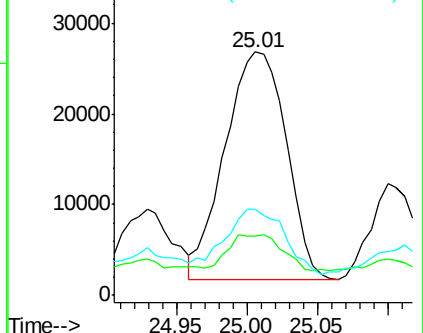
279 35.4 19.0 28.4#



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(g,h,i)perylene

Concen: 11.191 ng

RT: 25.61 min Scan# 3889

Delta R.T. -0.00 min

Lab File: BM026842.D

Acq: 22 Jul 2020 21:07

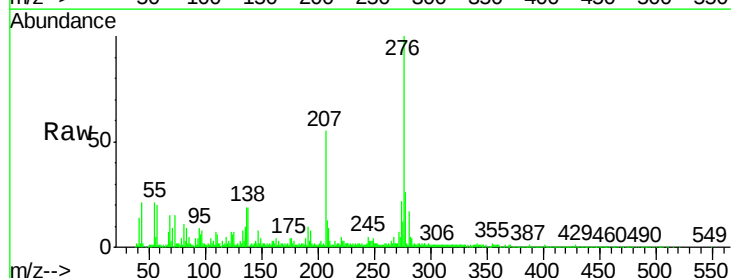
Tgt Ion:276 Resp: 287768

Ion Ratio Lower Upper

276 100

277 25.8 19.1 28.7

138 19.4 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

