

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051019\
 Data File : BM020262.D
 Acq On : 11 May 2019 05:06
 Operator : JU/SJ
 Sample : K2779-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RT-5124

Quant Time: May 11 05:55:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 03:58:37 2019
 Response via : Initial Calibration

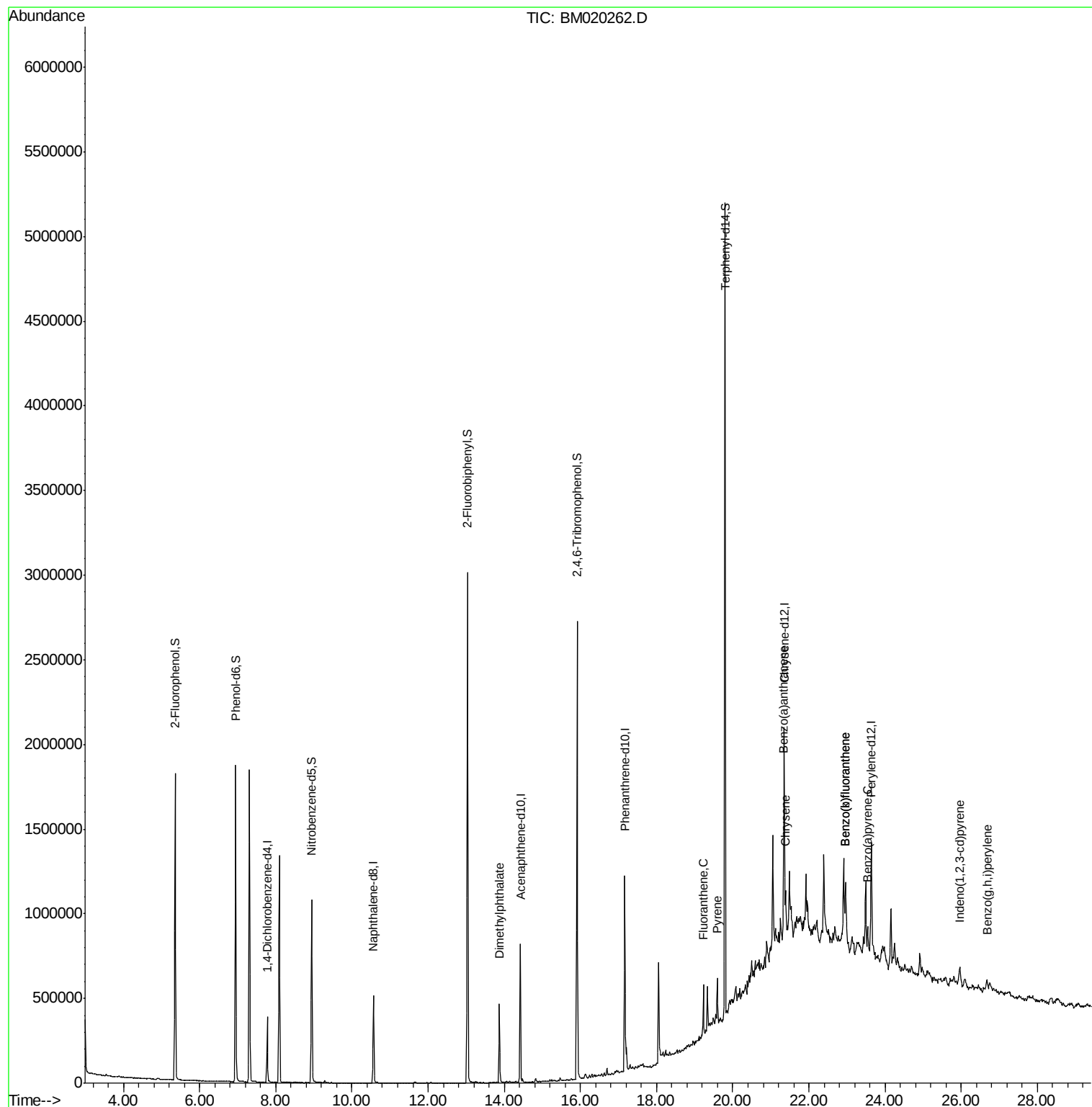
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	100123	20.00	ng	-0.02
21) Naphthalene-d8	10.57	136	415118	20.00	ng	-0.02
39) Acenaphthene-d10	14.42	164	283721	20.00	ng	-0.02
64) Phenanthrene-d10	17.17	188	660059	20.00	ng	-0.01
76) Chrysene-d12	21.35	240	505111	20.00	ng	-0.02
87) Perylene-d12	23.64	264	497338	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	695541	113.55	ng	-0.01
7) Phenol-d6	6.95	99	1048481	125.30	ng	0.00
23) Nitrobenzene-d5	8.94	82	712785	67.79	ng	-0.02
42) 2,4,6-Tribromophenol	15.92	330	539859	122.59	ng	0.00
45) 2-Fluorobiphenyl	13.04	172	1579469	68.49	ng	-0.02
79) Terphenyl-d14	19.80	244	2353111	81.26	ng	-0.01
Target Compounds						
50) Dimethylphthalate	13.87	163	285772	11.851	ng	98
75) Fluoranthene	19.23	202	172362	3.739	ng	98
78) Pyrene	19.59	202	153693	4.532	ng	100
81) Benzo(a)anthracene	21.34	228	112051	3.163	ng	98
83) Chrysene	21.39	228	112545	3.276	ng	97
86) Indeno(1,2,3-cd)pyrene	25.96	276	84581	2.070	ng	# 100
88) Benzo(b)fluoranthene	22.94	252	223816	6.815	ng	# 88
89) Benzo(k)fluoranthene	22.94	252	223316	7.454	ng	# 88
90) Benzo(a)pyrene	23.54	252	113902	3.818	ng	# 86
92) Benzo(g,h,i)perylene	26.68	276	86012	2.920	ng	# 94

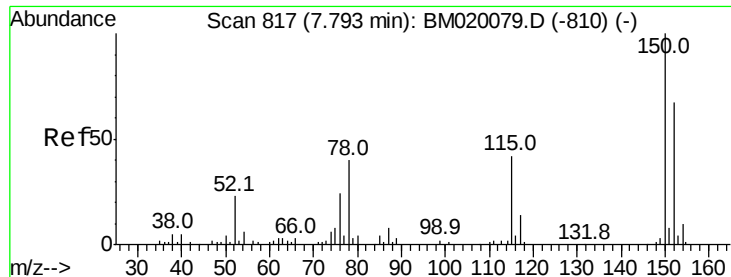
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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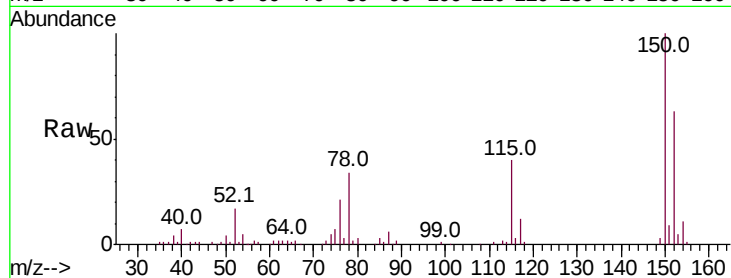


#1

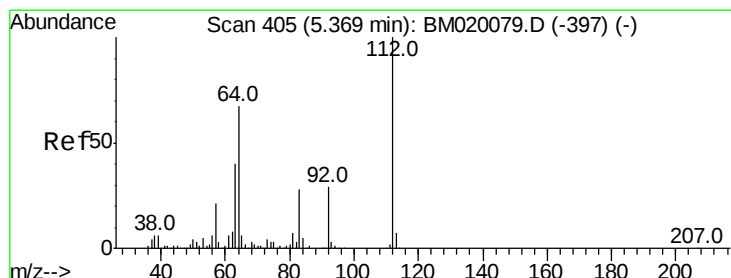
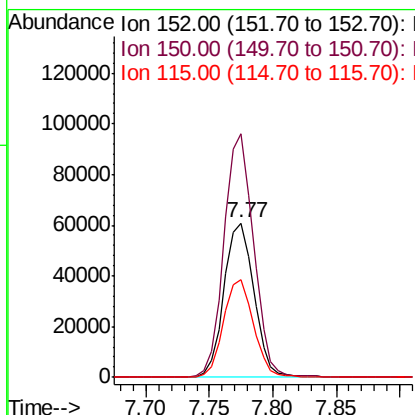
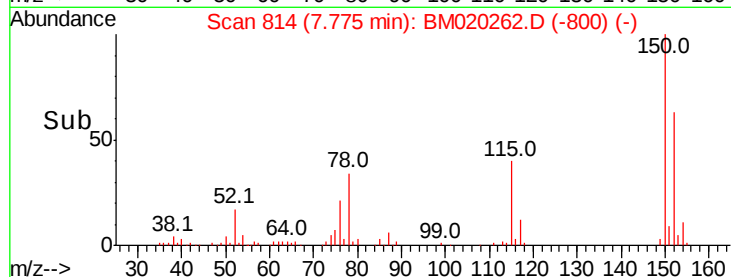
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.77 min Scan# 814
Delta R.T. -0.02 min
Lab File: BM020262.D
Acq: 11 May 2019 05:06

Instrument :
BNA_M
ClientSampleId :
RT-5124

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	119.8	179.8
115	63.4	50.8	76.2



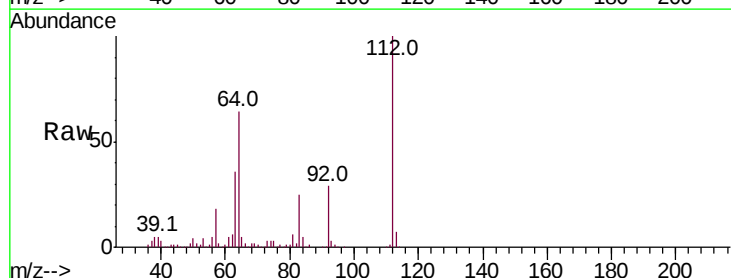
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



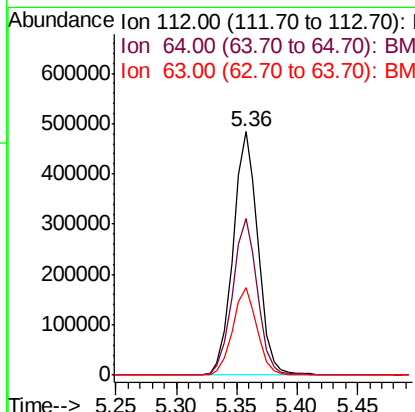
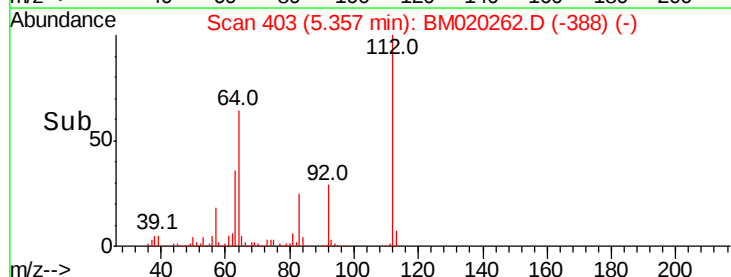
#5

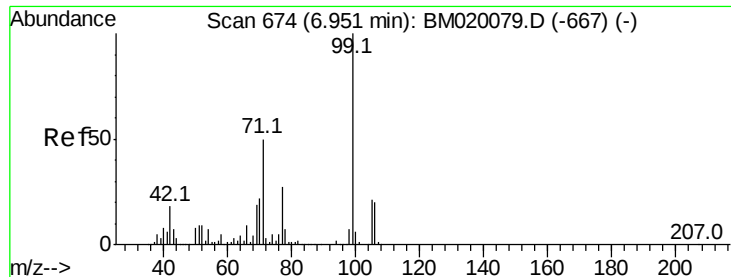
2-Fluorophenol
Concen: 113.553 ng
RT: 5.36 min Scan# 403
Delta R.T. -0.01 min
Lab File: BM020262.D
Acq: 11 May 2019 05:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.3	53.8	80.6
63	35.8	32.3	48.5



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: 125.297 ng

RT: 6.95 min Scan# 673

Delta R.T. -0.01 min

Lab File: BM020262.D

Acq: 11 May 2019 05:06

Instrument :

BNA_M

ClientSampleId :

RT-5124

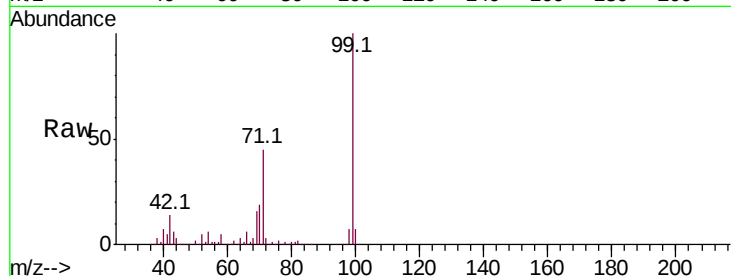
Tot Ion: 99 Resp: 1048481

Ion Ratio Lower Upper

99 100

42 13.8 14.2 21.2#

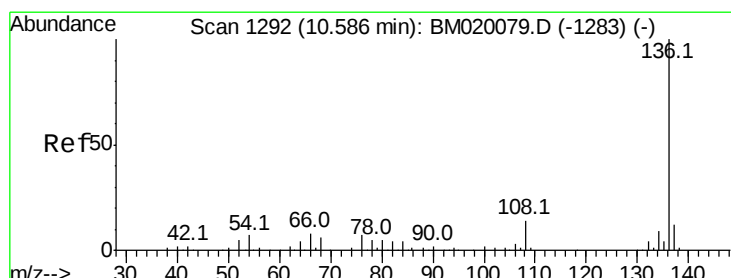
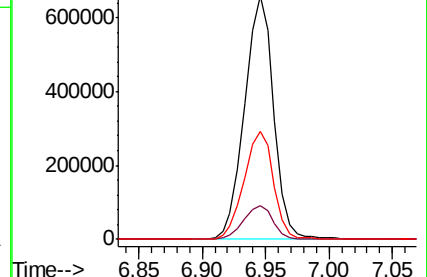
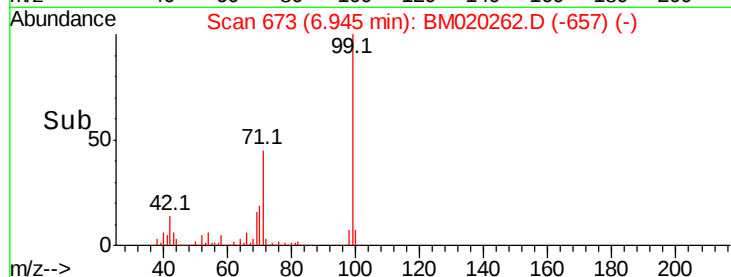
71 44.6 40.3 60.5



Abundance Ion 99.00 (98.70 to 99.70): BM020262.D (-657) (-)

Ion 42.00 (41.70 to 42.70): BM020262.D (-657) (-)

Ion 71.00 (70.70 to 71.70): BM020262.D (-657) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.57 min Scan# 1289

Delta R.T. -0.02 min

Lab File: BM020262.D

Acq: 11 May 2019 05:06

Tgt Ion: 136 Resp: 415118

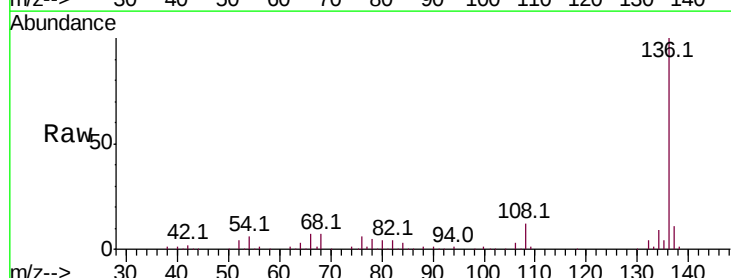
Ion Ratio Lower Upper

136 100

137 10.6 9.6 14.4

54 5.6 5.5 8.3

68 6.6 4.6 6.8

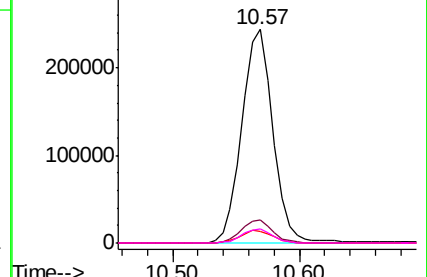
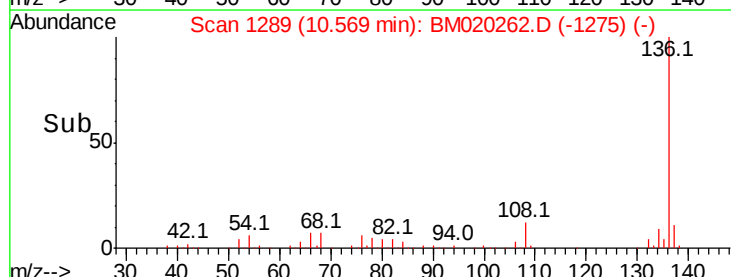


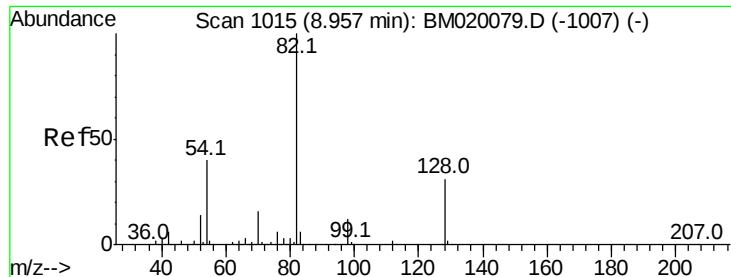
Abundance Ion 136.00 (135.70 to 136.70): BM020262.D (-1275) (-)

Ion 137.00 (136.70 to 137.70): BM020262.D (-1275) (-)

Ion 54.00 (53.70 to 54.70): BM020262.D (-1275) (-)

Ion 68.00 (67.70 to 68.70): BM020262.D (-1275) (-)

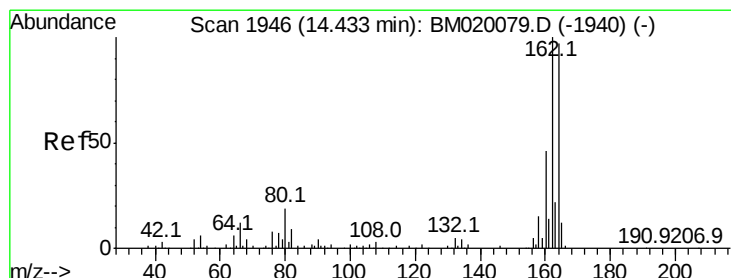
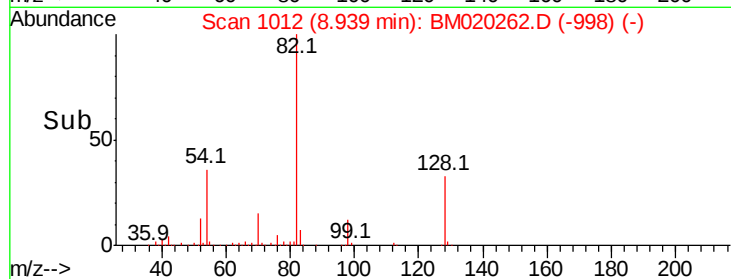
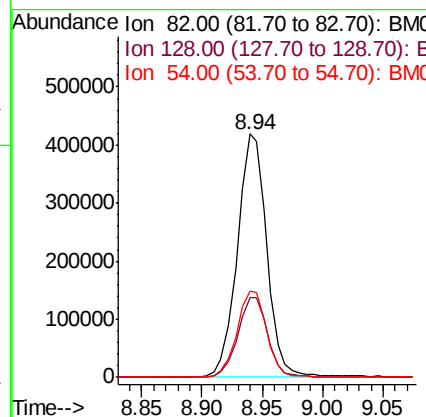
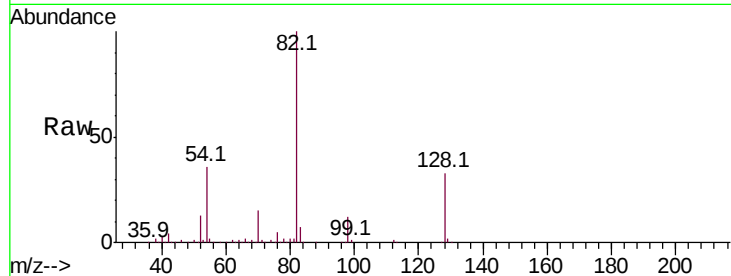




#23
 Nitrobenzene-d5
 Concen: 67.790 ng
 RT: 8.94 min Scan# 1012
 Delta R.T. -0.02 min
 Lab File: BM020262.D
 Acq: 11 May 2019 05:06

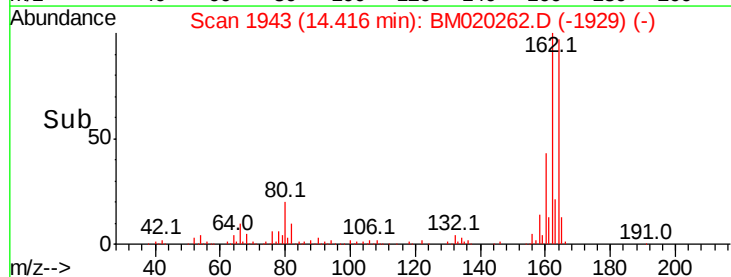
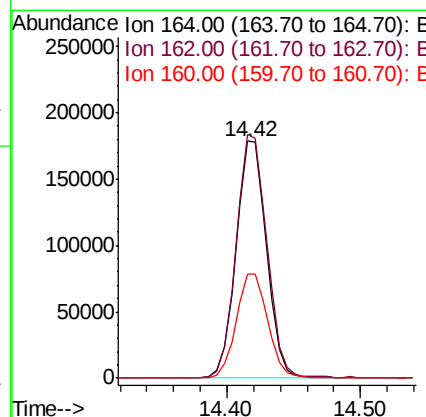
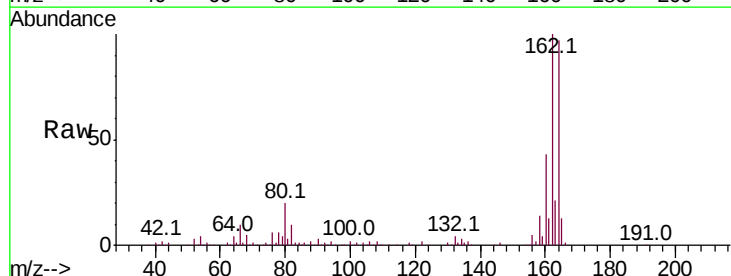
Instrument :
 BNA_M
 ClientSampled :
 RT-5124

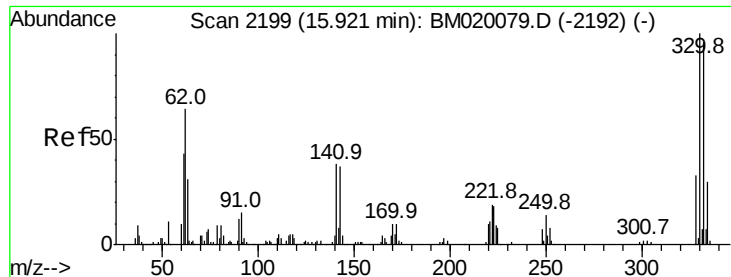
Tot Ion: 82 Resp: 712785
 Ion Ratio Lower Upper
 82 100
 128 33.0 25.2 37.8
 54 35.6 31.9 47.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.42 min Scan# 1943
 Delta R.T. -0.02 min
 Lab File: BM020262.D
 Acq: 11 May 2019 05:06

Tgt Ion: 164 Resp: 283721
 Ion Ratio Lower Upper
 164 100
 162 102.8 82.2 123.2
 160 44.1 37.6 56.4





#42

2,4,6-Tribromophenol

Concen: 122.587 ng

RT: 15.92 min Scan# 2198

Delta R.T. -0.01 min

Lab File: BM020262.D

Acq: 11 May 2019 05:06

Instrument :

BNA_M

ClientSampleId :

RT-5124

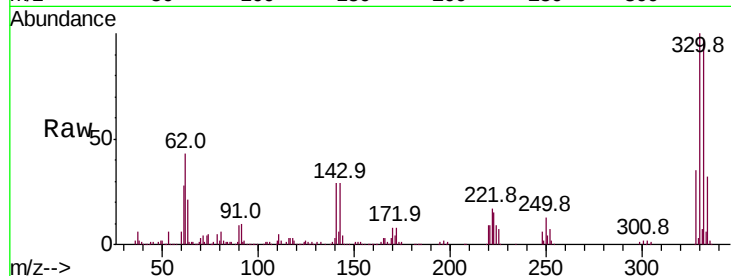
Tot Ion:330 Resp: 539859

Ion Ratio Lower Upper

330 100

332 97.0 76.8 115.2

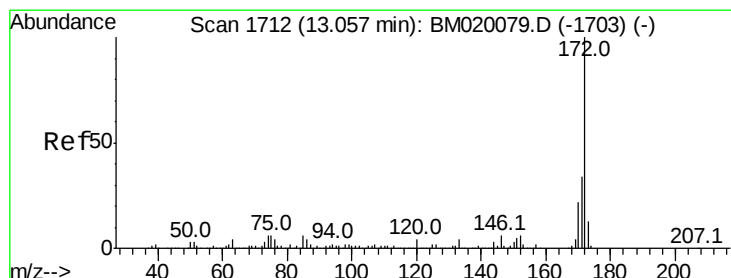
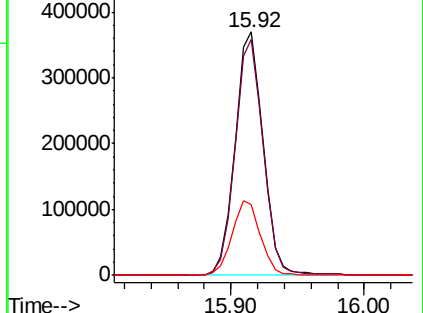
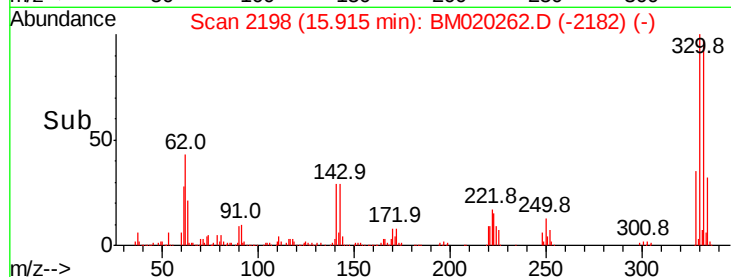
141 31.2 29.2 43.8



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: 68.494 ng

RT: 13.04 min Scan# 1709

Delta R.T. -0.02 min

Lab File: BM020262.D

Acq: 11 May 2019 05:06

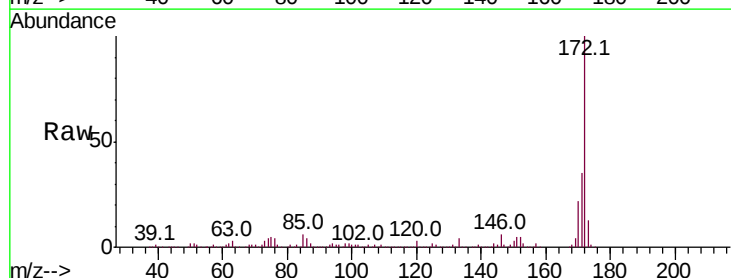
Tgt Ion:172 Resp: 1579469

Ion Ratio Lower Upper

172 100

171 34.8 27.3 40.9

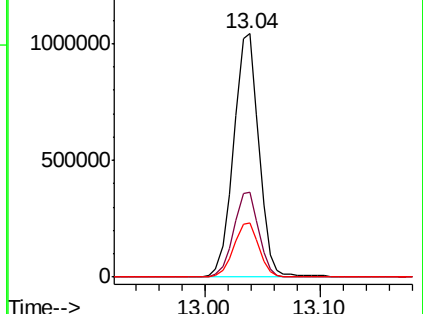
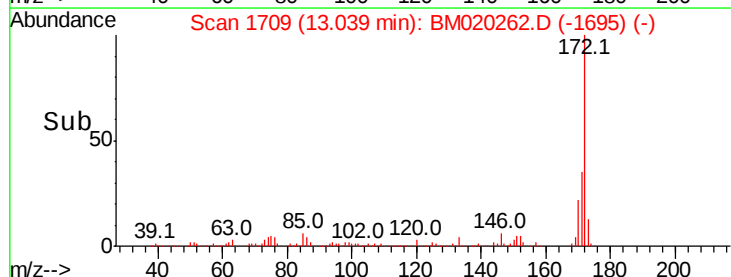
170 22.3 17.9 26.9

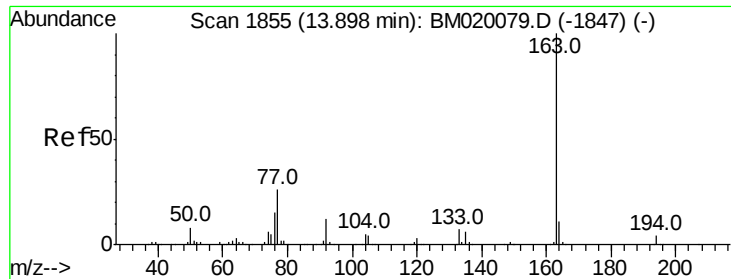


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 11.851 ng

RT: 13.87 min Scan# 1851

Delta R.T. -0.02 min

Lab File: BM020262.D

Acq: 11 May 2019 05:06

Instrument :

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ClientSampleId :

RT-5124

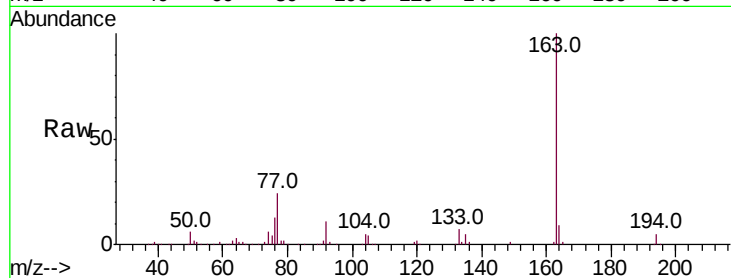
Tot Ion:163 Resp: 285772

Ion Ratio Lower Upper

163 100

194 4.6 3.6 5.4

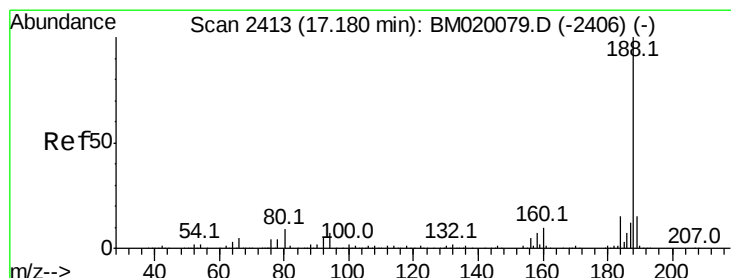
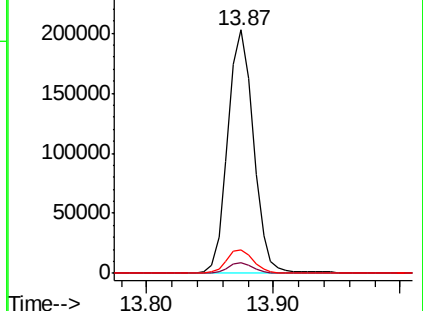
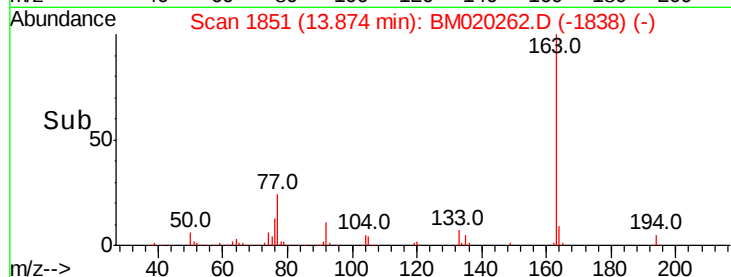
164 9.4 8.4 12.6



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.17 min Scan# 2411

Delta R.T. -0.01 min

Lab File: BM020262.D

Acq: 11 May 2019 05:06

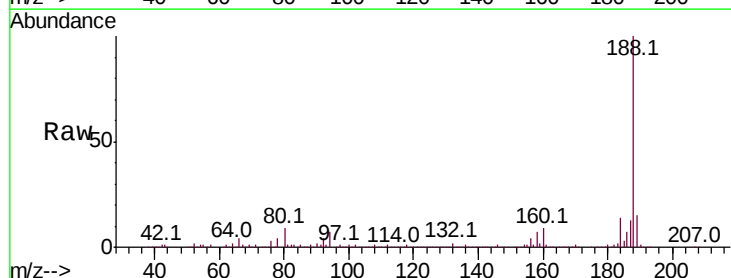
Tgt Ion:188 Resp: 660059

Ion Ratio Lower Upper

188 100

94 7.4 5.8 8.6

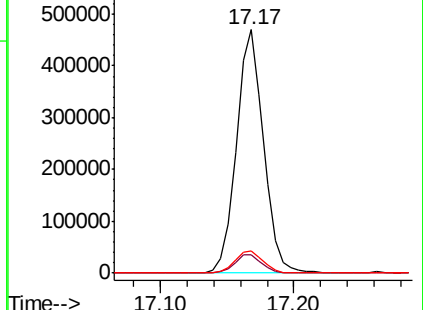
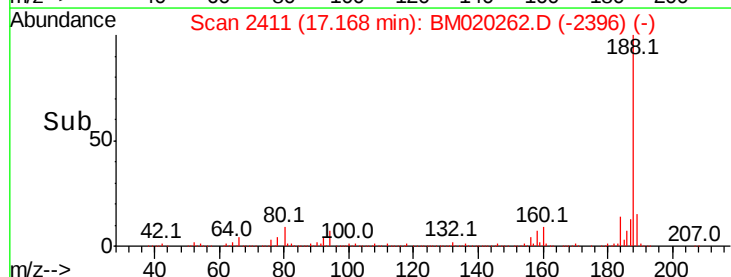
80 9.0 7.4 11.2

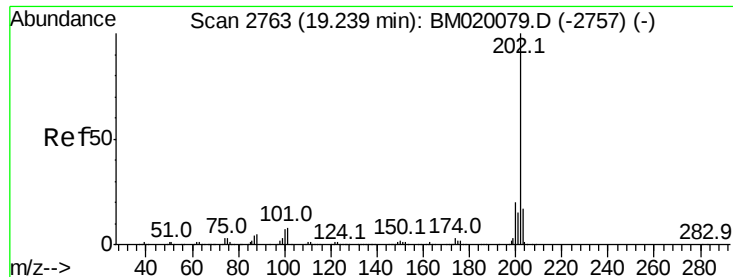


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





#75

Fluoranthene

Concen: 3.739 ng

RT: 19.23 min Scan# 2761

Delta R.T. -0.01 min

Lab File: BM020262.D

Acq: 11 May 2019 05:06

Instrument :

BNA_M

ClientSampleId :

RT-5124

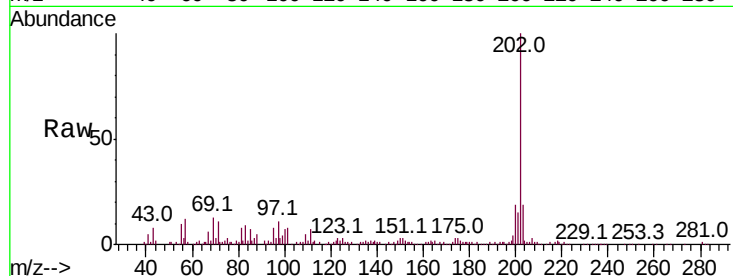
Tot Ion:202 Resp: 172362

Ion Ratio Lower Upper

202 100

101 8.0 0.0 28.4

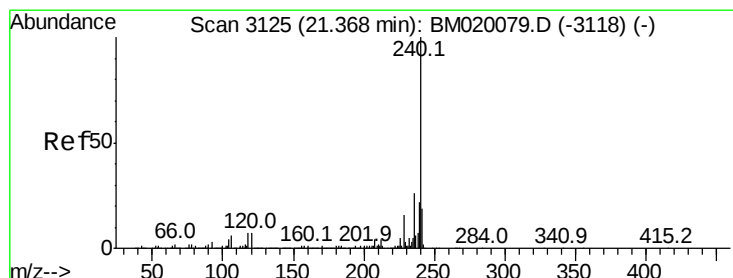
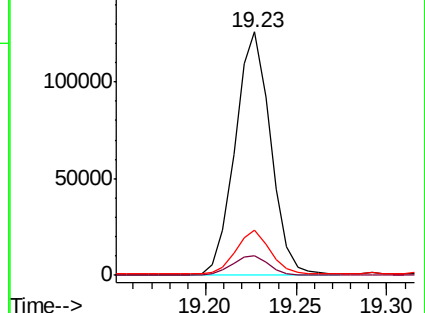
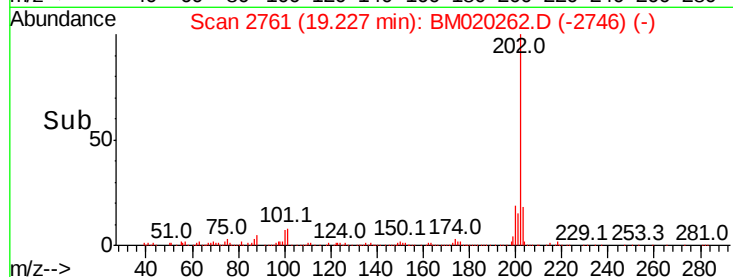
203 18.8 0.0 37.4



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: 21.35 min Scan# 3122

Delta R.T. -0.02 min

Lab File: BM020262.D

Acq: 11 May 2019 05:06

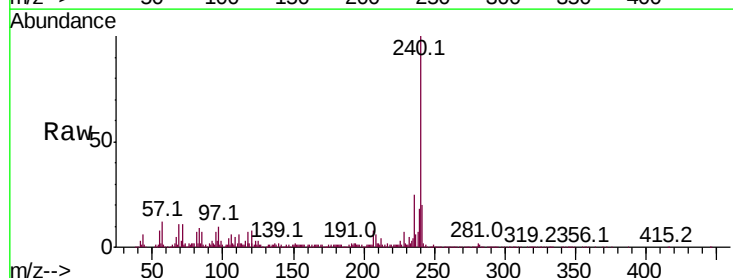
Tgt Ion:240 Resp: 505111

Ion Ratio Lower Upper

240 100

120 7.7 5.6 8.4

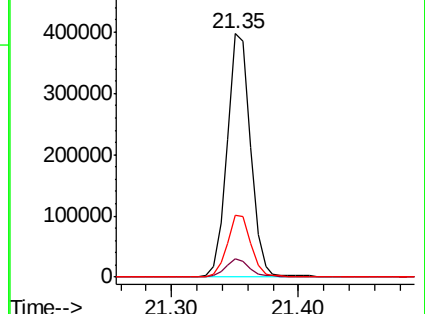
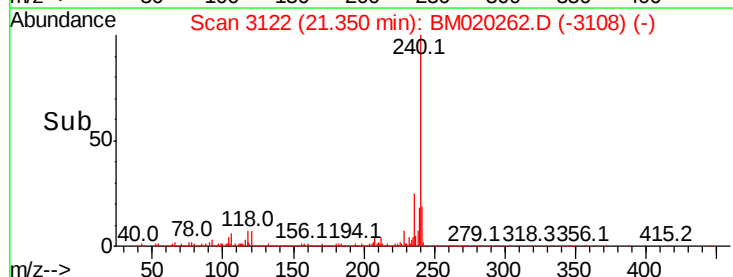
236 25.4 20.9 31.3

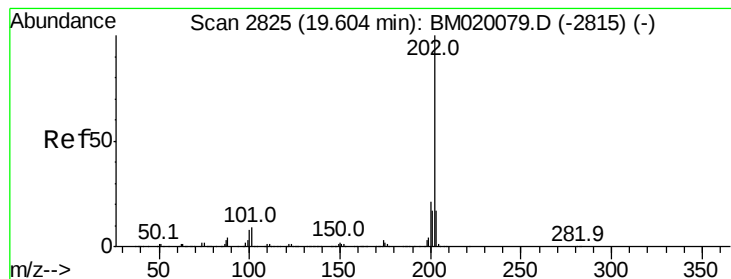


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 4.532 ng

RT: 19.59 min Scan# 2823

Delta R.T. -0.01 min

Lab File: BM020262.D

Acq: 11 May 2019 05:06

Instrument :

BNA_M

ClientSampleId :

RT-5124

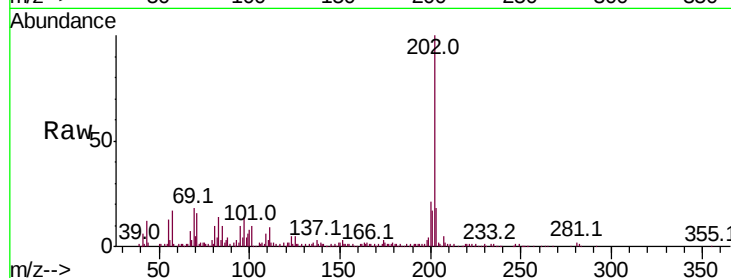
Tot Ion:202 Resp: 153693

Ion Ratio Lower Upper

202 100

200 20.6 16.5 24.7

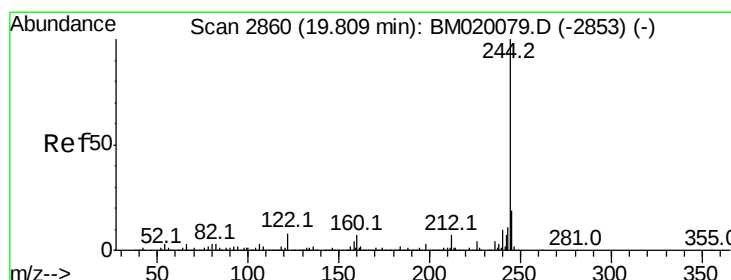
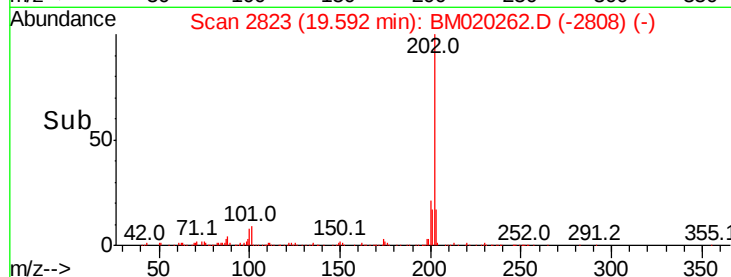
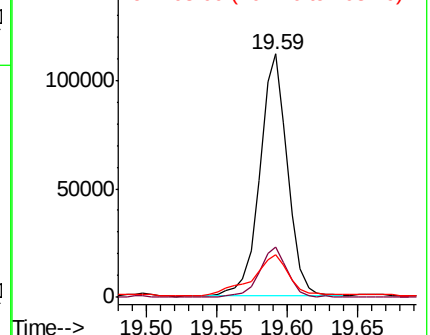
203 17.5 13.9 20.9



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: 81.256 ng

RT: 19.80 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BM020262.D

Acq: 11 May 2019 05:06

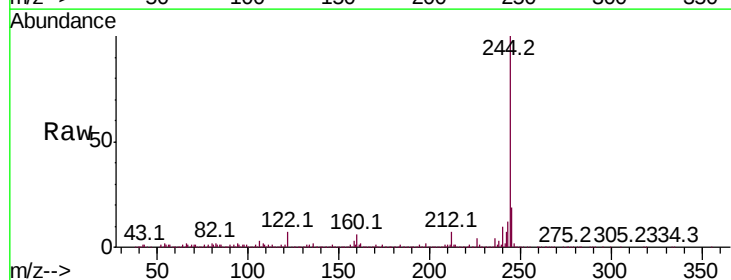
Tgt Ion:244 Resp: 2353111

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

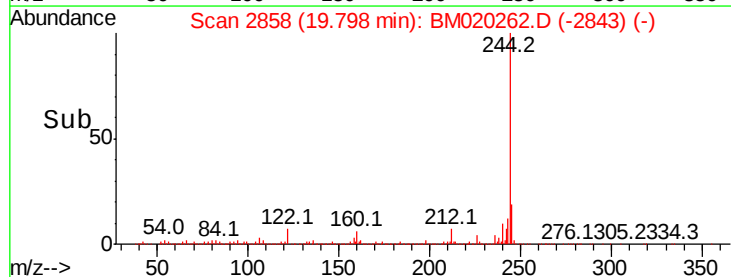
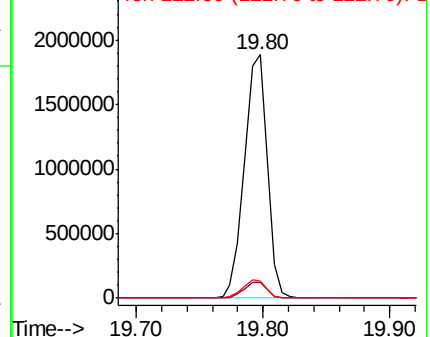
122 6.8 6.2 9.2

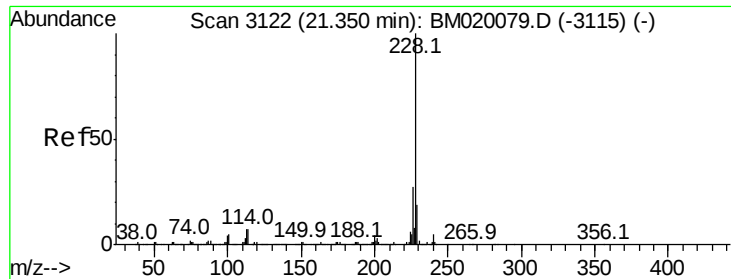


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 3.163 ng

RT: 21.34 min Scan# 3120

Delta R.T. -0.01 min

Lab File: BM020262.D

Acq: 11 May 2019 05:06

Instrument :

BNA_M

ClientSampled :

RT-5124

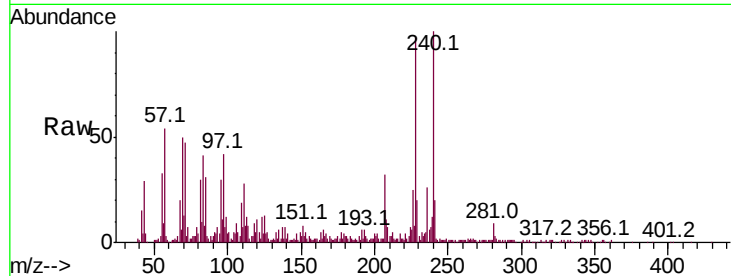
Tot Ion:228 Resp: 112051

Ion	Ratio	Lower	Upper
228	100		
226	26.2	21.3	31.9
229	20.9	15.5	23.3

228 100

226 26.2 21.3 31.9

229 20.9 15.5 23.3

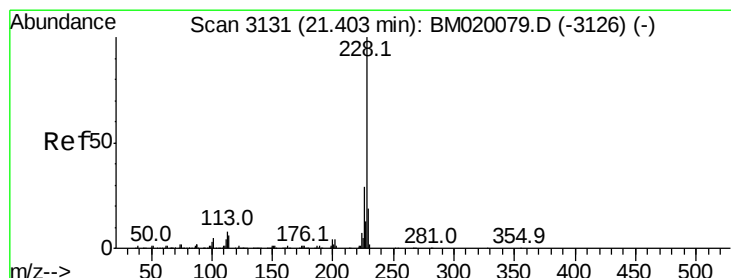
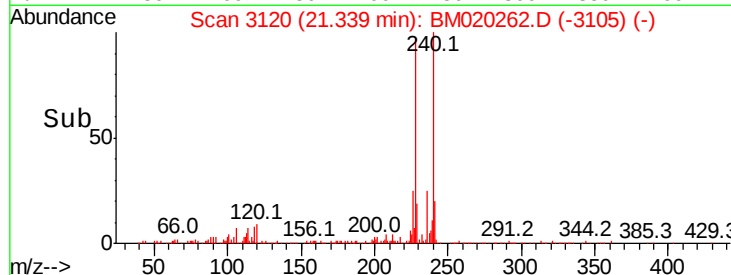
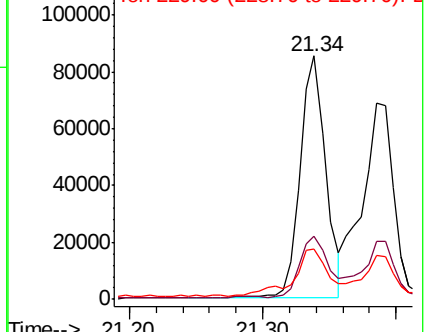


Abundance

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



#83

Chrysene

Concen: 3.276 ng

RT: 21.39 min Scan# 3128

Delta R.T. -0.02 min

Lab File: BM020262.D

Acq: 11 May 2019 05:06

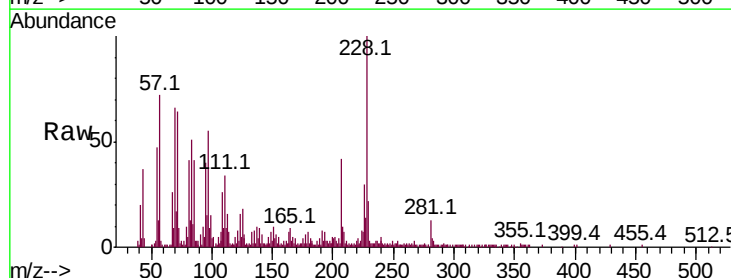
Tgt Ion:228 Resp: 112545

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.0	34.6
229	22.0	15.5	23.3

228 100

226 29.6 23.0 34.6

229 22.0 15.5 23.3

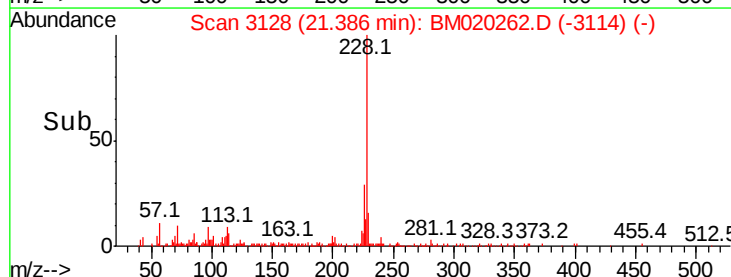
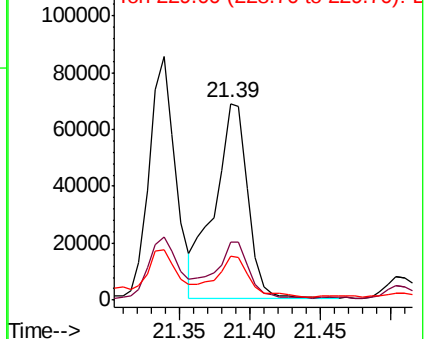


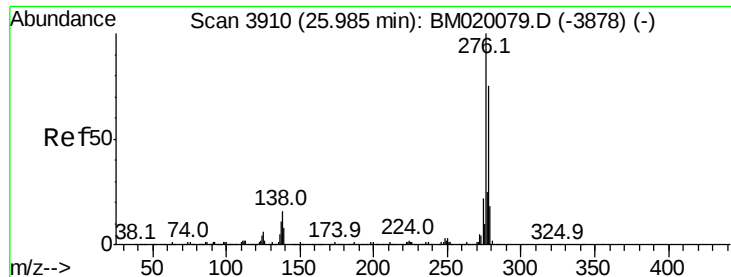
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

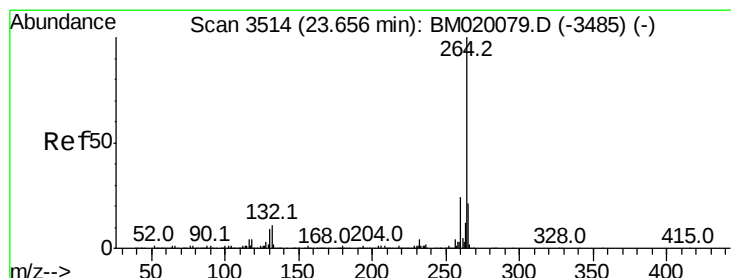
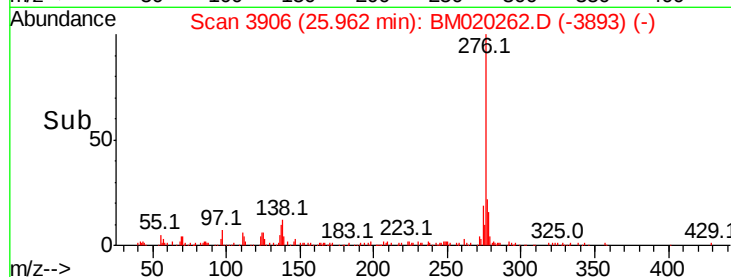
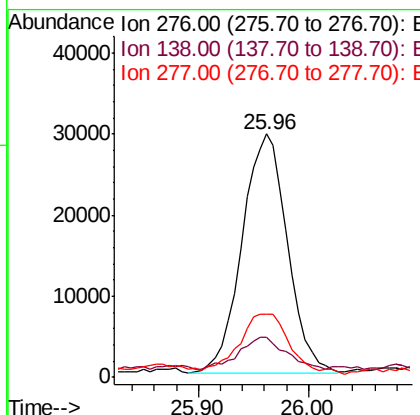
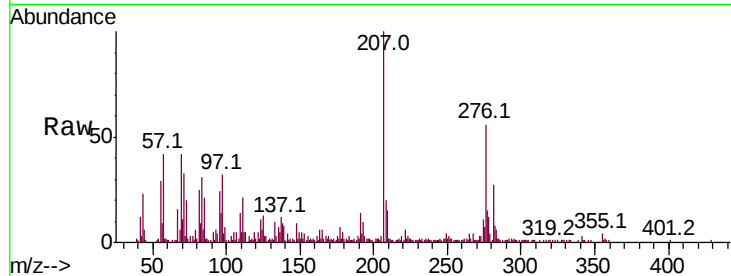




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.070 ng
 RT: 25.96 min Scan# 3906
 Delta R.T. -0.02 min
 Lab File: BM020262.D
 Acq: 11 May 2019 05:06

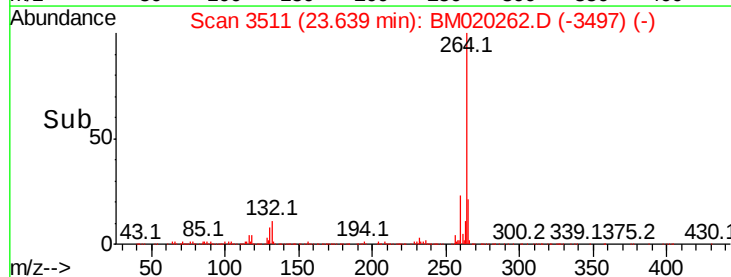
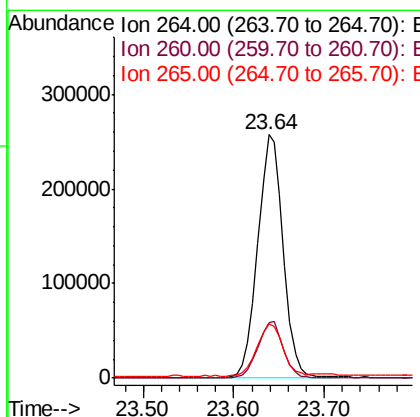
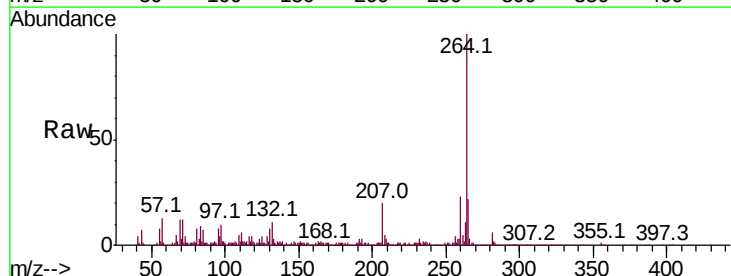
Instrument :
 BNA_M
 ClientSampleId :
 RT-5124

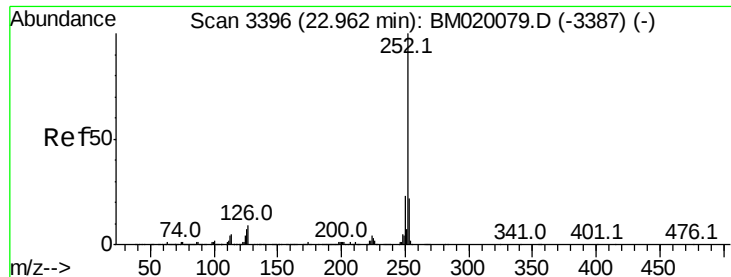
Tot Ion	Ratio	Lower	Upper
276	100		
138	14.2	0.0	0.0#
277	28.0	0.0	0.0#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.64 min Scan# 3511
 Delta R.T. -0.02 min
 Lab File: BM020262.D
 Acq: 11 May 2019 05:06

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.2	28.8
265	22.1	16.9	25.3





#88

Benzo(b)fluoranthene

Concen: 6.815 ng

RT: 22.94 min Scan# 3393

Delta R.T. -0.02 min

Lab File: BM020262.D

Acq: 11 May 2019 05:06

Instrument :

BNA_M

ClientSampleId :

RT-5124

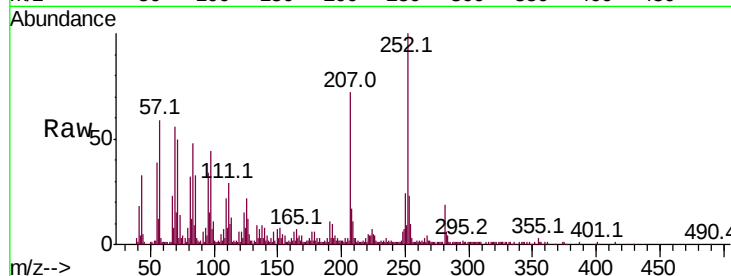
Tot Ion:252 Resp: 223816

Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

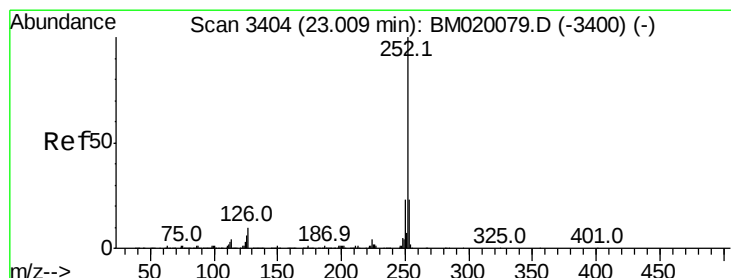
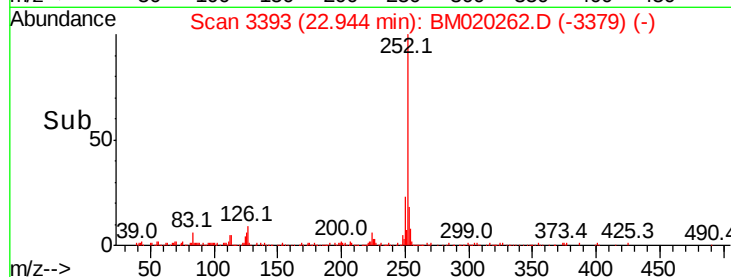
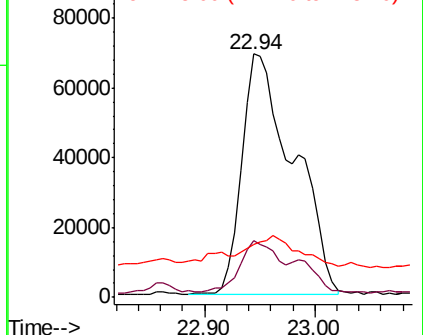
125 21.6 5.4 8.2#



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: 7.454 ng

RT: 22.94 min Scan# 3393

Delta R.T. -0.06 min

Lab File: BM020262.D

Acq: 11 May 2019 05:06

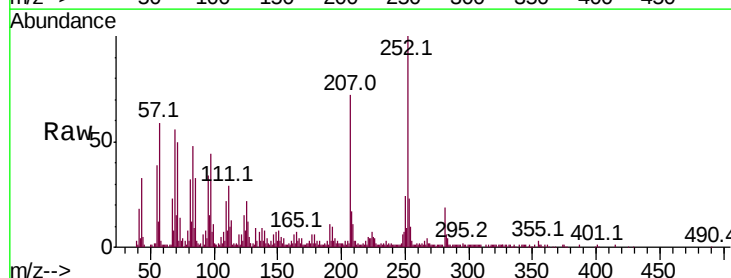
Tgt Ion:252 Resp: 223316

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.8

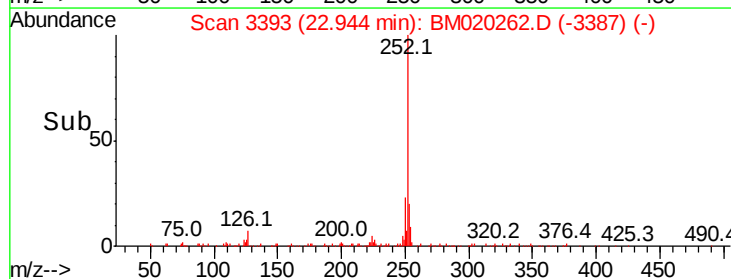
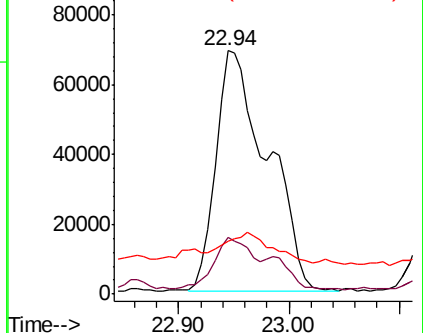
125 21.6 5.4 8.0#

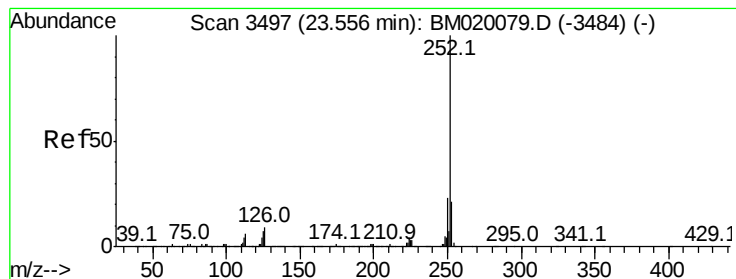


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

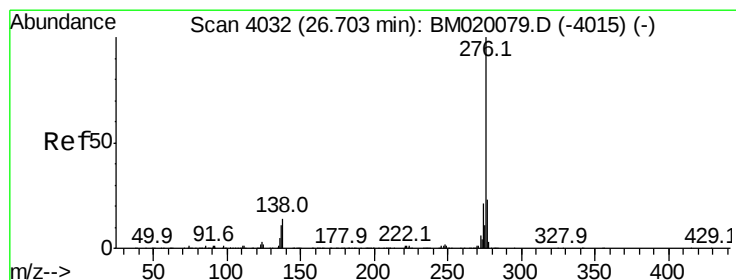
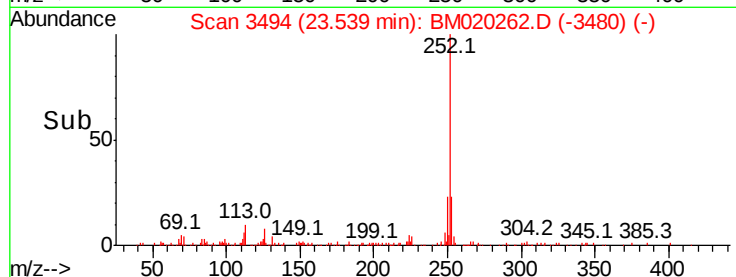
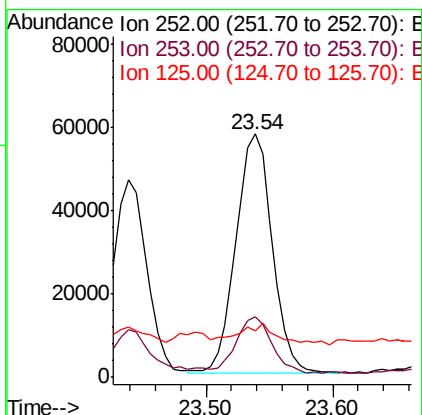
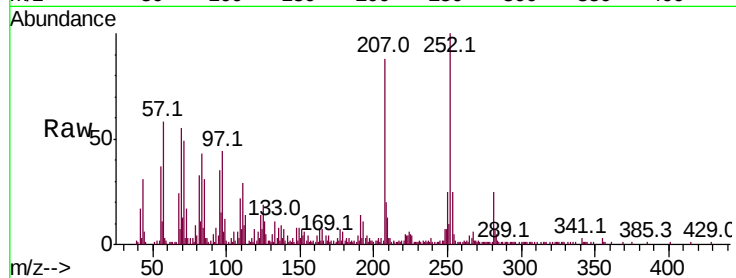




#90
Benzo(a)pyrene
Concen: 3.818 ng
RT: 23.54 min Scan# 3494
Delta R.T. -0.02 min
Lab File: BM020262.D
Acq: 11 May 2019 05:06

Instrument :
BNA_M
ClientSampleId :
RT-5124

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.0	25.6
125	19.1	5.5	8.3



#92
Benzo(g,h,i)perylene
Concen: 2.920 ng
RT: 26.68 min Scan# 4028
Delta R.T. -0.02 min
Lab File: BM020262.D
Acq: 11 May 2019 05:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.4	27.6
138	17.6	11.1	16.7

