

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM051019\
 Data File : BM020264.D
 Acq On : 11 May 2019 06:18
 Operator : JU/SJ
 Sample : K2764-12
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P026-SS001-0206-01

Quant Time: May 12 02:47:01 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	98891	20.00	ng	-0.02
21) Naphthalene-d8	10.56	136	403874	20.00	ng	-0.02
39) Acenaphthene-d10	14.42	164	270669	20.00	ng	-0.02
64) Phenanthrene-d10	17.17	188	638263	20.00	ng	-0.01
76) Chrysene-d12	21.36	240	496480	20.00	ng	-0.01
87) Perylene-d12	23.64	264	476626	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.36	112	852066	140.84	ng	-0.01
7) Phenol-d6	6.95	99	1298421	157.10	ng	0.00
23) Nitrobenzene-d5	8.95	82	901546	88.13	ng	-0.01
42) 2,4,6-Tribromophenol	15.92	330	663748	157.99	ng	0.00
45) 2-Fluorobiphenyl	13.04	172	1897211	86.24	ng	-0.02
79) Terphenyl-d14	19.80	244	2921153	102.63	ng	-0.01

Target Compounds

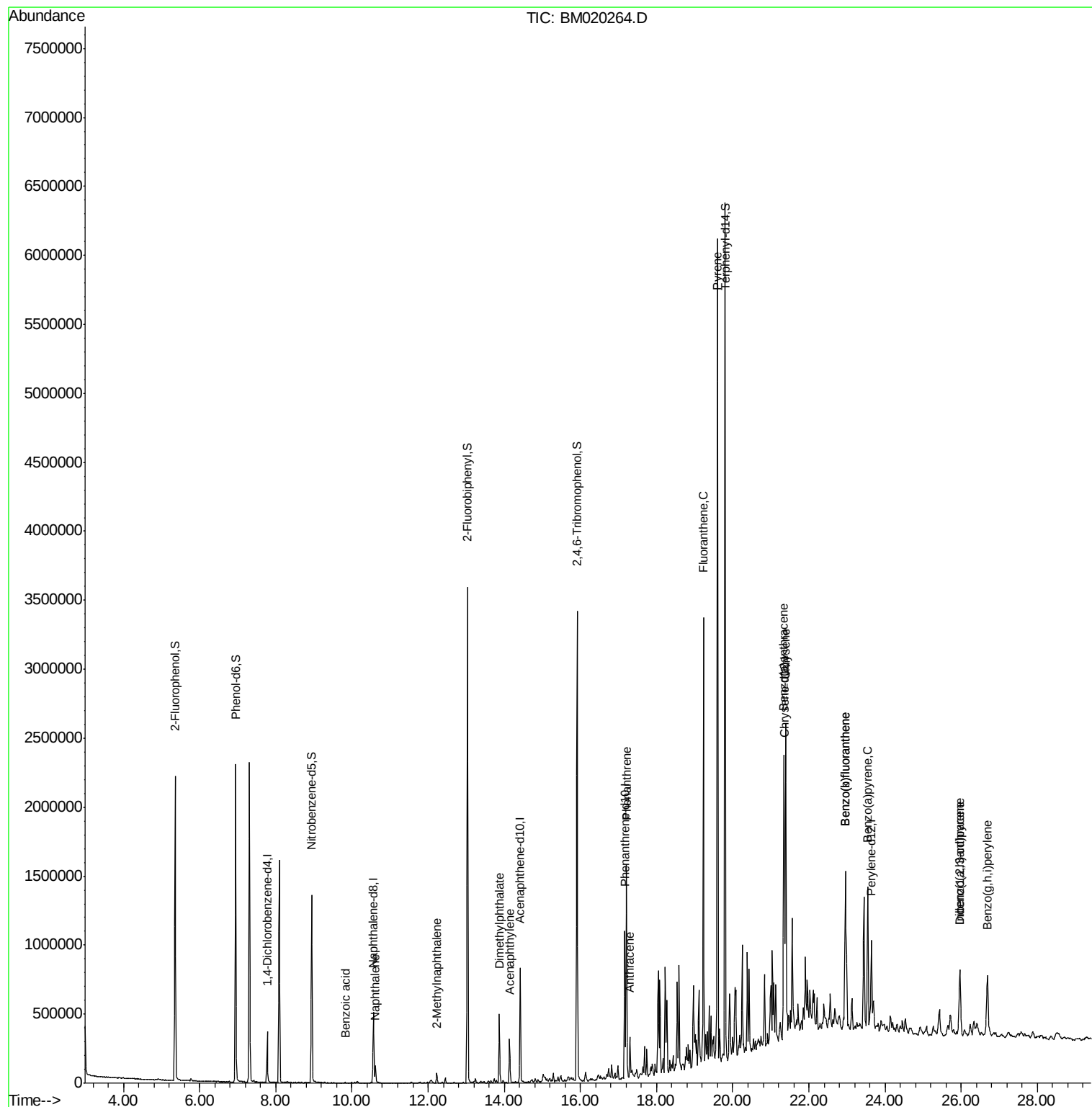
						Qvalue
31) Naphthalene	10.62	128	97175	4.637	ng	98
32) Benzoic acid	9.82	122	284	6.675	ng	# 87
37) 2-Methylnaphthalene	12.23	142	34424	2.253	ng	94
49) Acenaphthylene	14.14	152	229354	8.057	ng	99
50) Dimethylphthalate	13.87	163	249696	10.854	ng	98
71) Phenanthrene	17.21	178	885794	25.141	ng	100
72) Anthracene	17.30	178	188551	5.353	ng	99
75) Fluoranthene	19.23	202	1822991	40.894	ng	100
78) Pyrene	19.60	202	3482856	104.486	ng	99
81) Benzo(a)anthracene	21.34	228	1004127	28.839	ng	94
83) Chrysene	21.39	228	1129223	33.441	ng	99
86) Indeno(1,2,3-cd)pyrene	25.97	276	496808	12.369	ng	# 100
88) Benzo(b)fluoranthene	22.96	252	1321516	41.988	ng	98
89) Benzo(k)fluoranthene	22.96	252	1312752	45.725	ng	# 98
90) Benzo(a)pyrene	23.54	252	600082	20.990	ng	99
91) Dibenzo(a,h)anthracene	25.97	278	126413	4.252	ng	# 93
92) Benzo(g,h,i)perylene	26.69	276	590056	20.904	ng	99

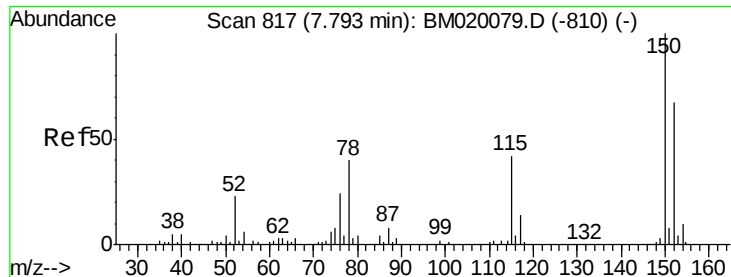
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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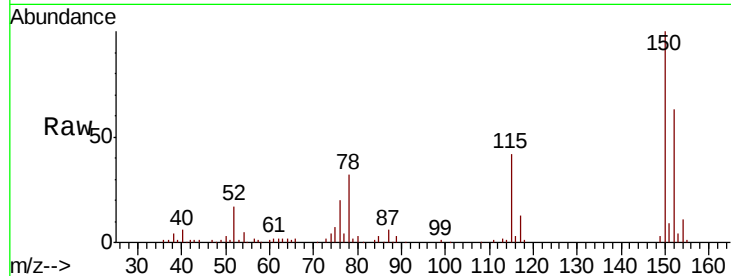


#1

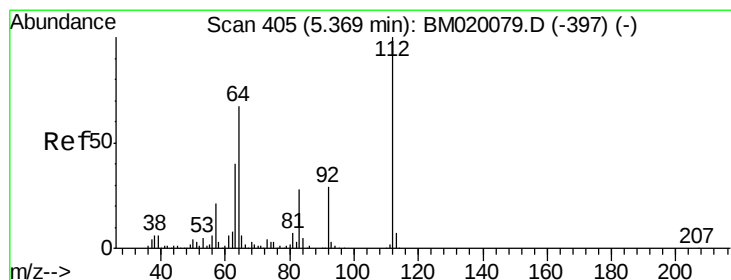
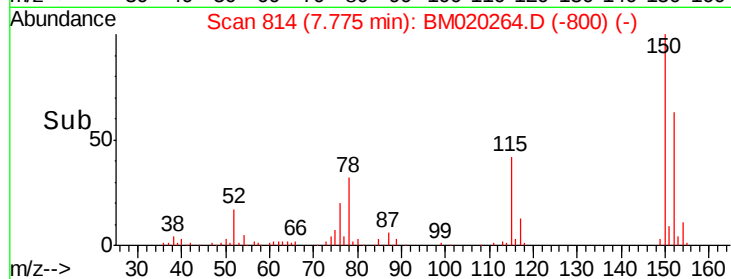
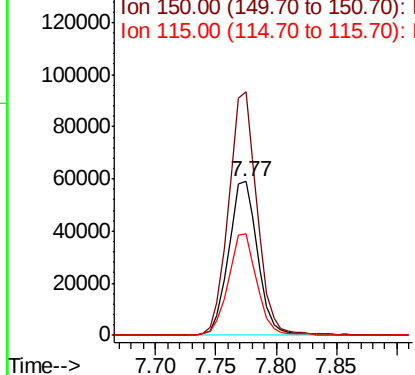
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.77 min Scan# 814
Delta R.T. -0.02 min
Lab File: BM020264.D
Acq: 11 May 2019 06:18

Instrument :
BNA_M
ClientSampleId :
P026-SS001-0206-01

Tgt Ion:152 Resp: 98891
Ion Ratio Lower Upper
152 100
150 158.3 119.8 179.8
115 65.9 50.8 76.2



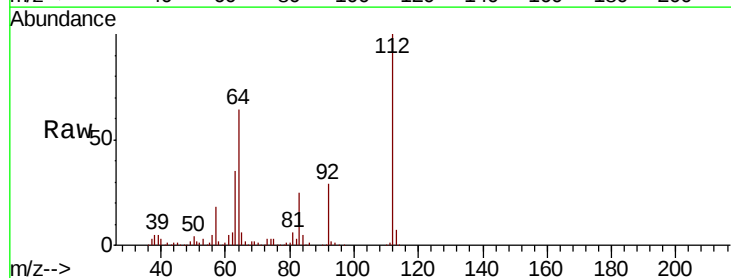
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



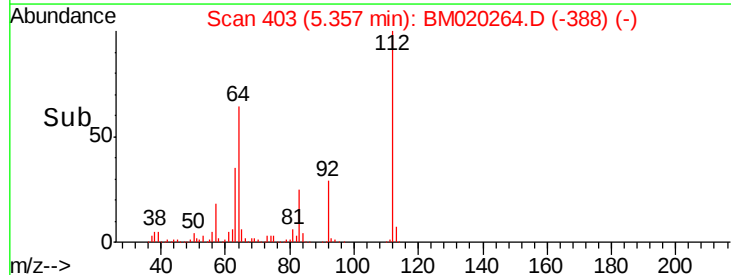
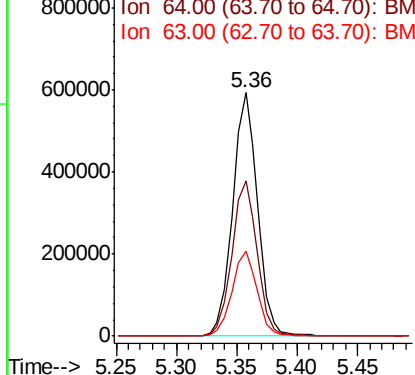
#5

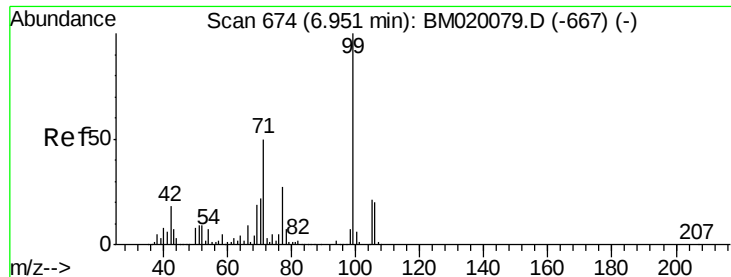
2-Fluorophenol
Concen: 140.840 ng
RT: 5.36 min Scan# 403
Delta R.T. -0.01 min
Lab File: BM020264.D
Acq: 11 May 2019 06:18

Tgt Ion:112 Resp: 852066
Ion Ratio Lower Upper
112 100
64 63.9 53.8 80.6
63 34.6 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: 157.099 ng

RT: 6.95 min Scan# 673

Delta R.T. -0.01 min

Lab File: BM020264.D

Acq: 11 May 2019 06:18

Instrument :

BNA_M

ClientSampleId :

P026-SS001-0206-01

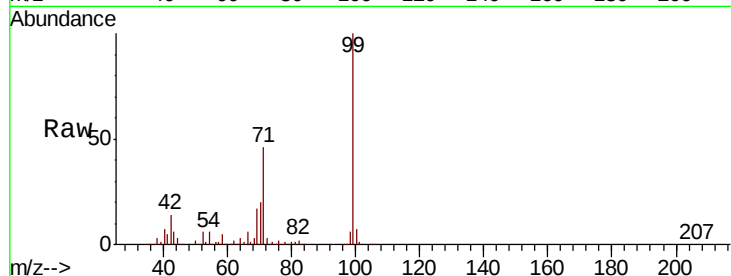
Tgt Ion: 99 Resp: 1298421

Ion Ratio Lower Upper

99 100

42 14.2 14.2 21.2

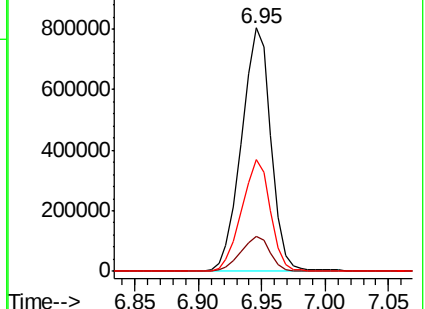
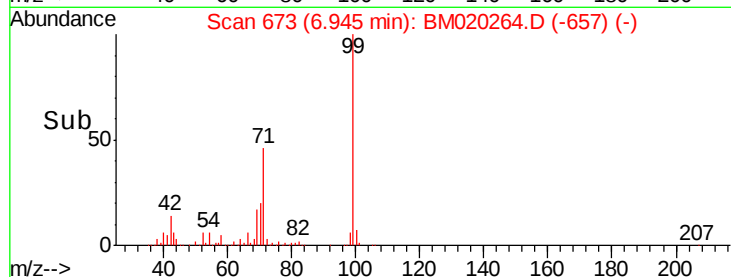
71 45.8 40.3 60.5



Abundance Ion 99.00 (98.70 to 99.70): BM020079.D (-667) (-)

Ion 42.00 (41.70 to 42.70): BM020079.D (-667) (-)

Ion 71.00 (70.70 to 71.70): BM020079.D (-667) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.56 min Scan# 1288

Delta R.T. -0.02 min

Lab File: BM020264.D

Acq: 11 May 2019 06:18

Tgt Ion: 136 Resp: 403874

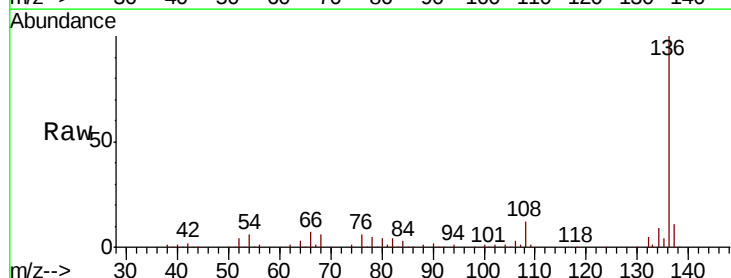
Ion Ratio Lower Upper

136 100

137 10.8 9.6 14.4

54 5.9 5.5 8.3

68 6.3 4.6 6.8

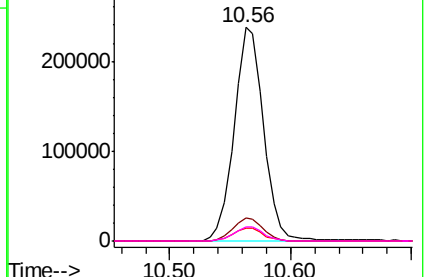
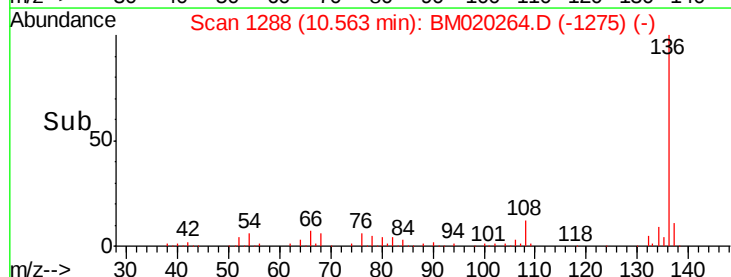


Abundance Ion 136.00 (135.70 to 136.70): BM020079.D (-1283) (-)

Ion 137.00 (136.70 to 137.70): BM020079.D (-1283) (-)

Ion 54.00 (53.70 to 54.70): BM020079.D (-1283) (-)

Ion 68.00 (67.70 to 68.70): BM020079.D (-1283) (-)

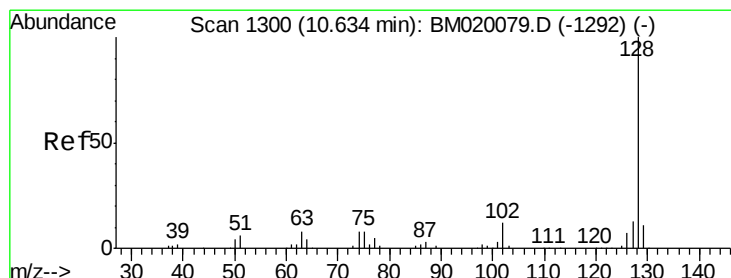
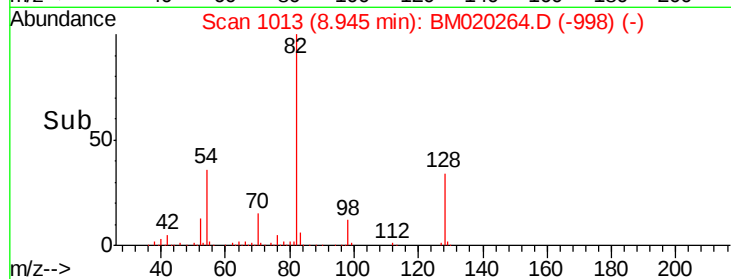
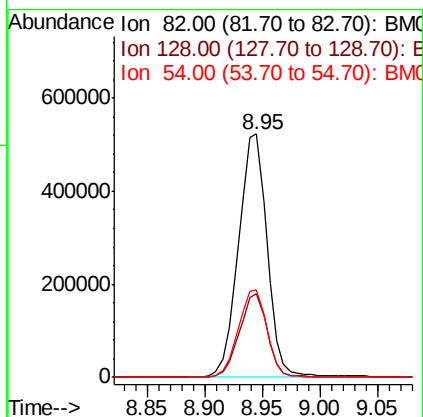
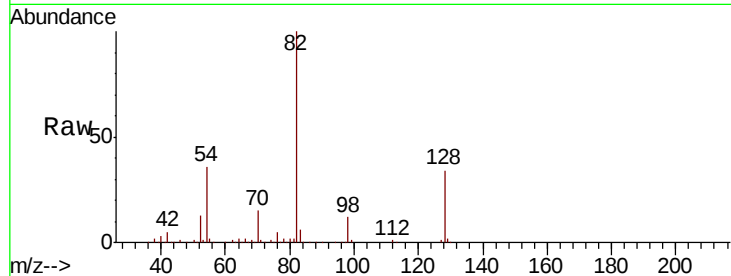




#23
Nitrobenzene-d5
Concen: 88.129 ng
RT: 8.95 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BM020264.D
Acq: 11 May 2019 06:18

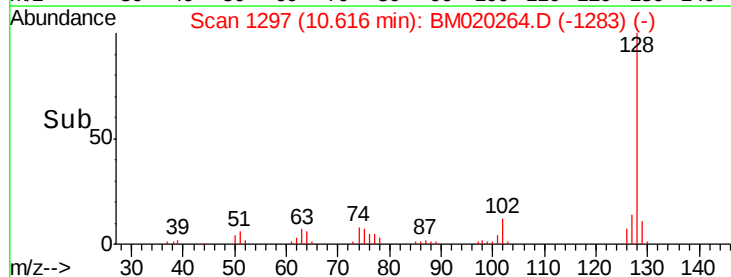
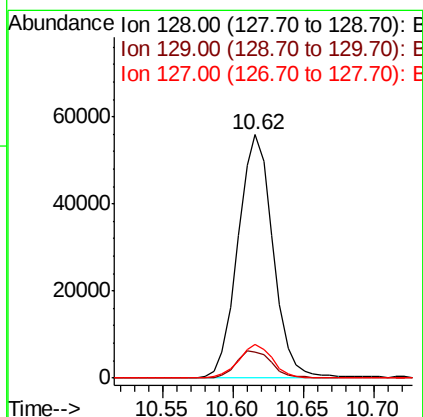
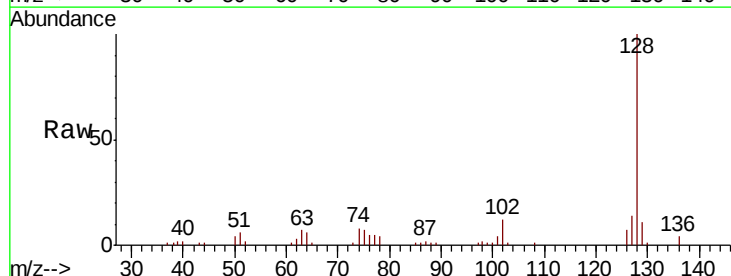
Instrument :
BNA_M
ClientSampleId :
P026-SS001-0206-01

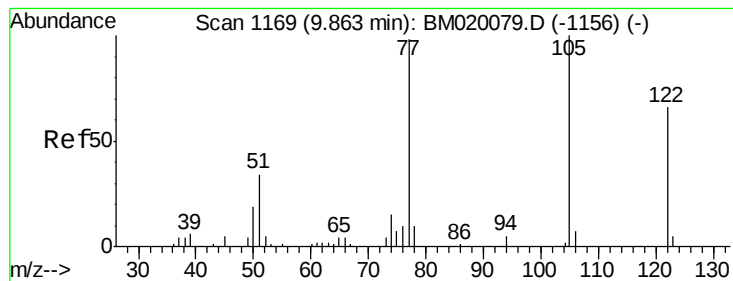
Tgt Ion	Ratio	Lower	Upper
82	100		
128	34.2	25.2	37.8
54	36.1	31.9	47.9



#31
Naphthalene
Concen: 4.637 ng
RT: 10.62 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BM020264.D
Acq: 11 May 2019 06:18

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.0	13.4
127	14.1	10.4	15.6





#32

Benzoic acid

Concen: 6.675 ng

RT: 9.82 min Scan# 1162

Delta R.T. -0.04 min

Lab File: BM020264.D

Acq: 11 May 2019 06:18

Instrument :

BNA_M

ClientSampleId :

P026-SS001-0206-01

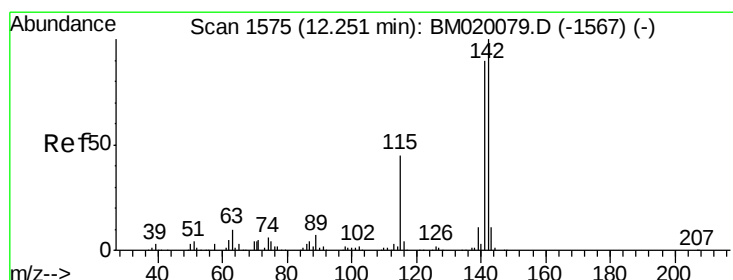
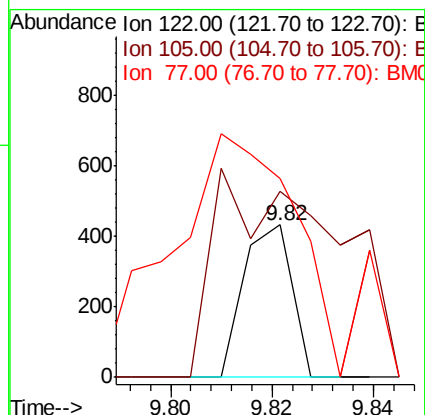
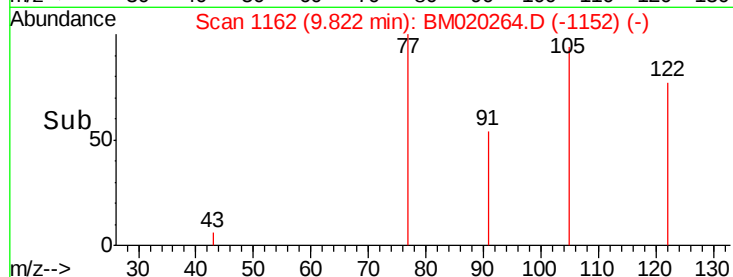
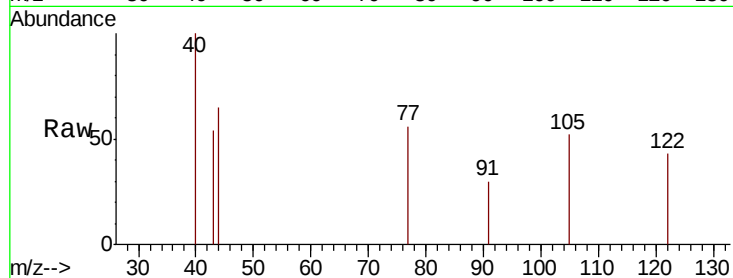
Tgt Ion:122 Resp: 284

Ion Ratio Lower Upper

122 100

105 122.3 122.5 162.5#

77 130.4 123.3 163.3



#37

2-Methylnaphthalene

Concen: 2.253 ng

RT: 12.23 min Scan# 1572

Delta R.T. -0.02 min

Lab File: BM020264.D

Acq: 11 May 2019 06:18

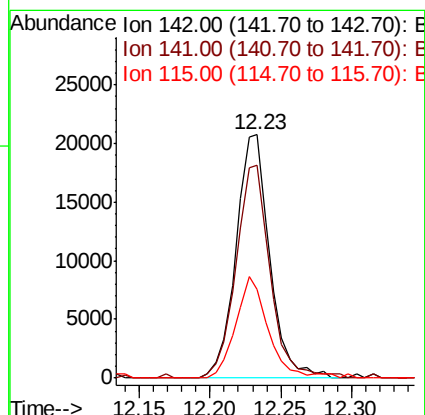
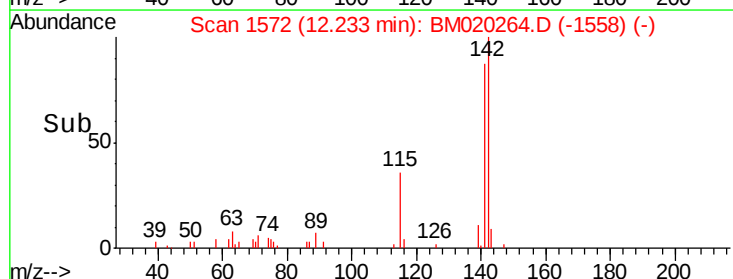
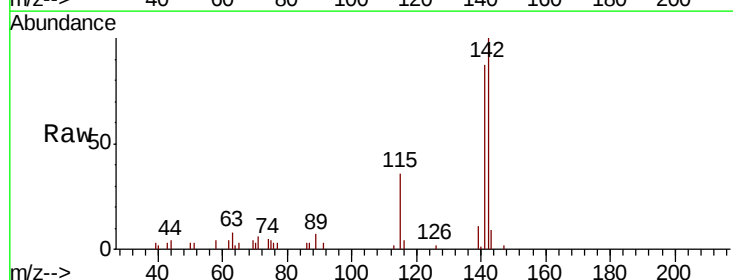
Tgt Ion:142 Resp: 34424

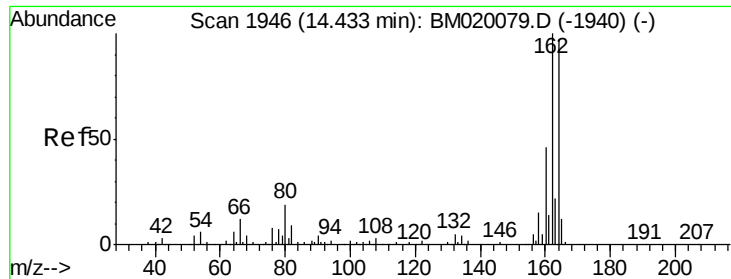
Ion Ratio Lower Upper

142 100

141 87.2 71.6 107.4

115 36.4 35.8 53.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.42 min Scan# 1943

Delta R.T. -0.02 min

Lab File: BM020264.D

Acq: 11 May 2019 06:18

Instrument :

BNA_M

ClientSampleId :

P026-SS001-0206-01

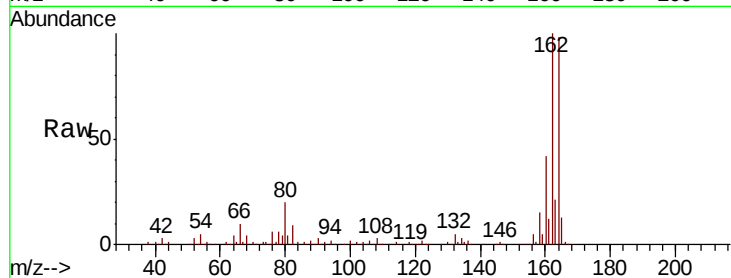
Tgt Ion:164 Resp: 270669

Ion Ratio Lower Upper

164 100

162 102.4 82.2 123.2

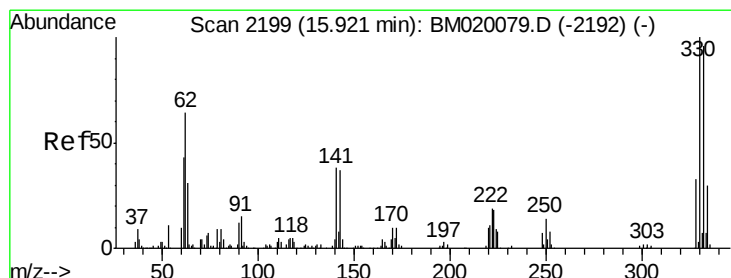
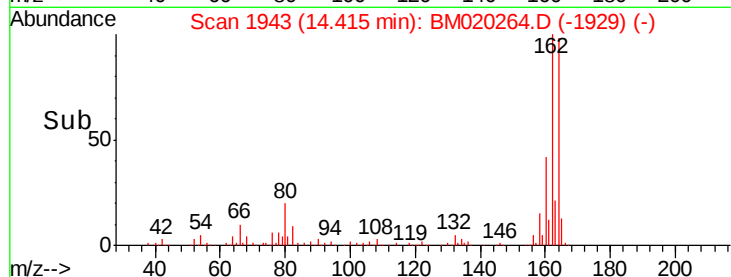
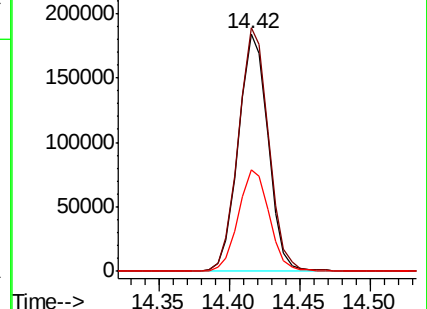
160 42.9 37.6 56.4



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: 157.987 ng

RT: 15.92 min Scan# 2198

Delta R.T. -0.01 min

Lab File: BM020264.D

Acq: 11 May 2019 06:18

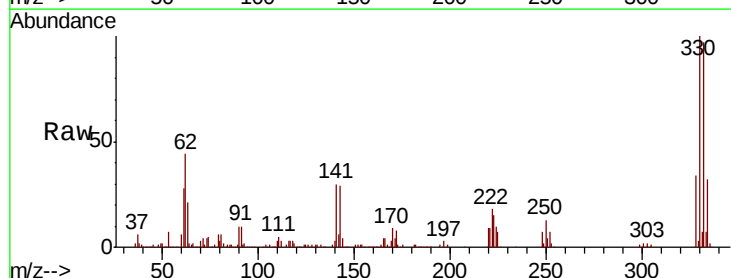
Tgt Ion:330 Resp: 663748

Ion Ratio Lower Upper

330 100

332 96.7 76.8 115.2

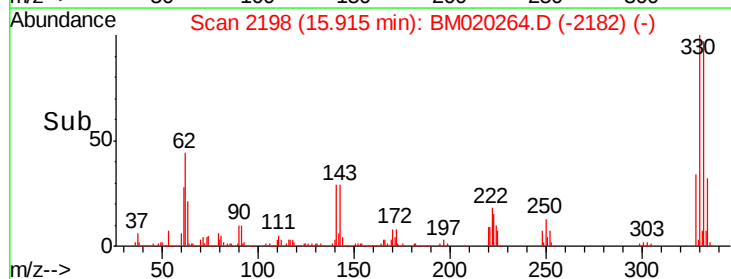
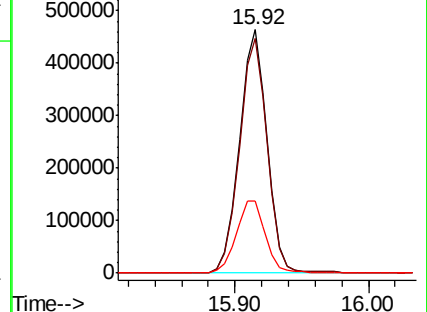
141 31.0 29.2 43.8

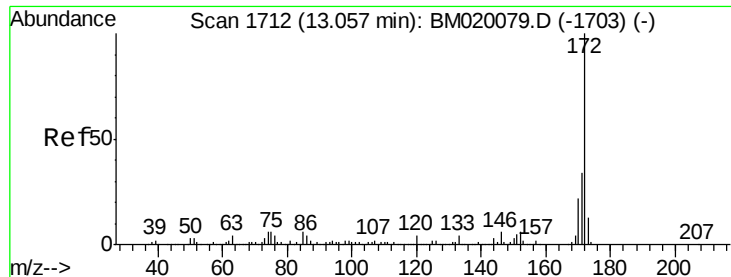


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

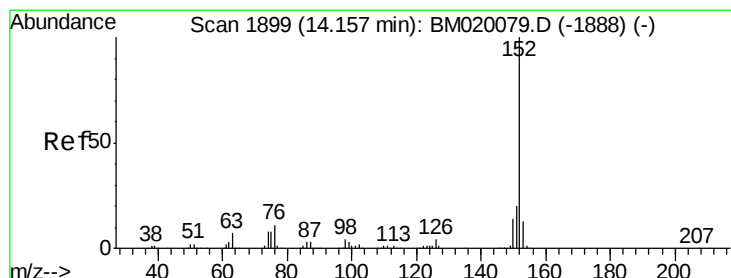
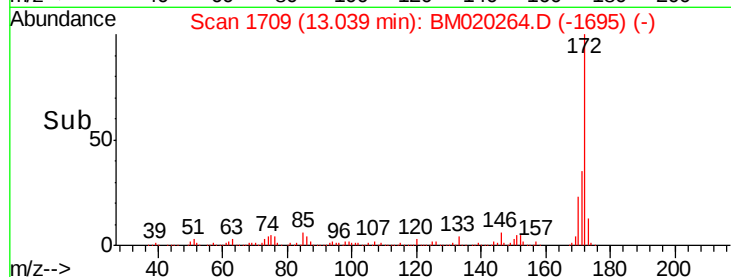
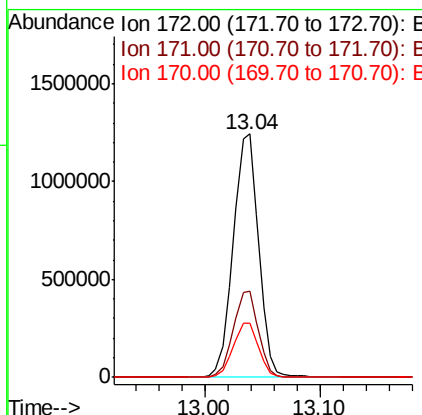
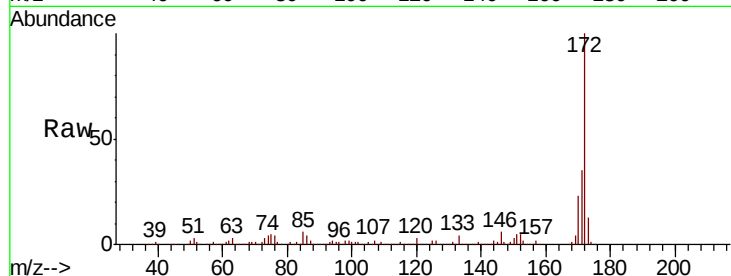




#45
2-Fluorobiphenyl
Concen: 86.240 ng
RT: 13.04 min Scan# 1709
Delta R.T. -0.02 min
Lab File: BM020264.D
Acq: 11 May 2019 06:18

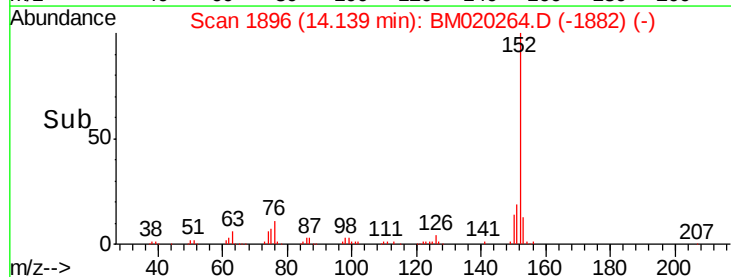
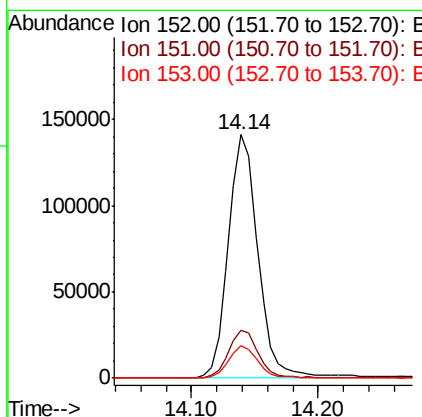
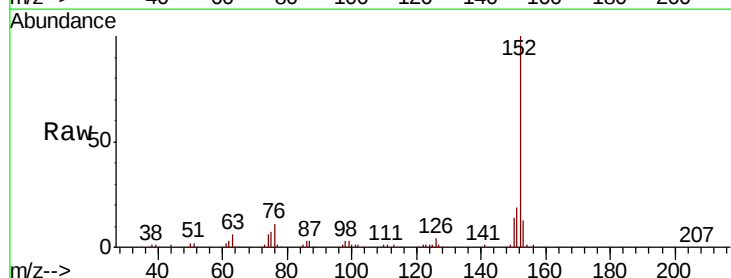
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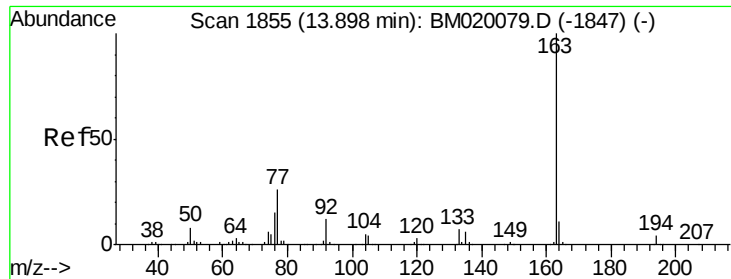
Tgt Ion:172 Resp: 1897211
Ion Ratio Lower Upper
172 100
171 35.1 27.3 40.9
170 22.5 17.9 26.9



#49
Acenaphthylene
Concen: 8.057 ng
RT: 14.14 min Scan# 1896
Delta R.T. -0.02 min
Lab File: BM020264.D
Acq: 11 May 2019 06:18

Tgt Ion:152 Resp: 229354
Ion Ratio Lower Upper
152 100
151 19.4 16.2 24.2
153 13.1 10.6 16.0





#50

Dimethylphthalate

Concen: 10.854 ng

RT: 13.87 min Scan# 1851

Delta R.T. -0.02 min

Lab File: BM020264.D

Acq: 11 May 2019 06:18

Instrument :

BNA_M

ClientSampleId :

P026-SS001-0206-01

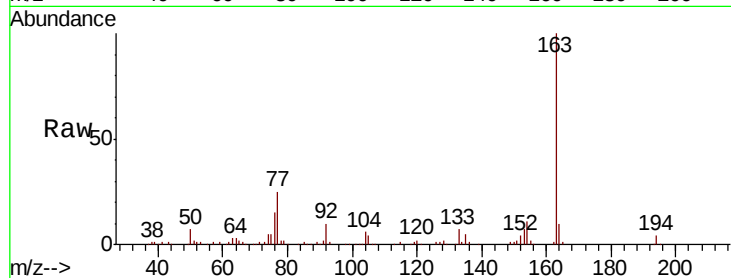
Tgt Ion:163 Resp: 249696

Ion Ratio Lower Upper

163 100

194 4.2 3.6 5.4

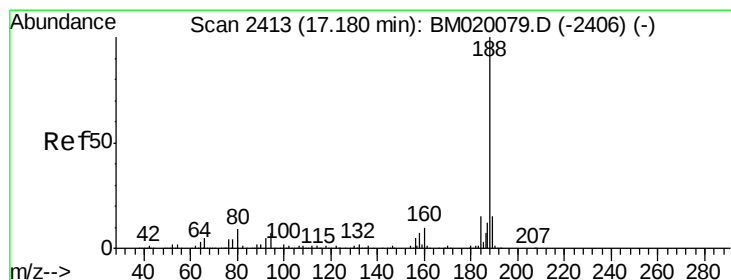
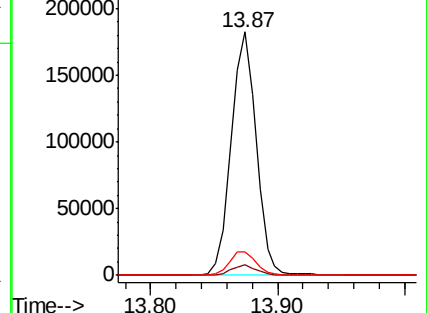
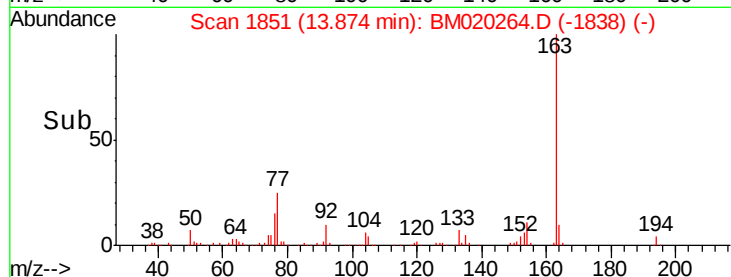
164 9.8 8.4 12.6



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: BM020264.D

Acq: 11 May 2019 06:18

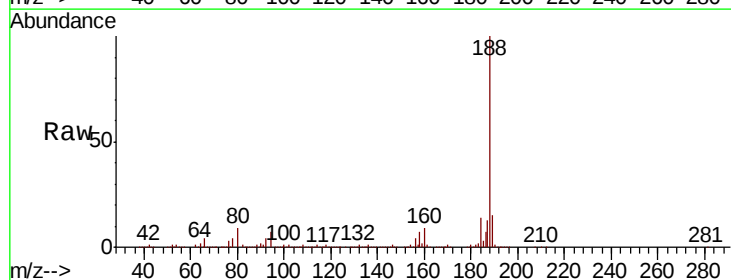
Tgt Ion:188 Resp: 638263

Ion Ratio Lower Upper

188 100

94 7.2 5.8 8.6

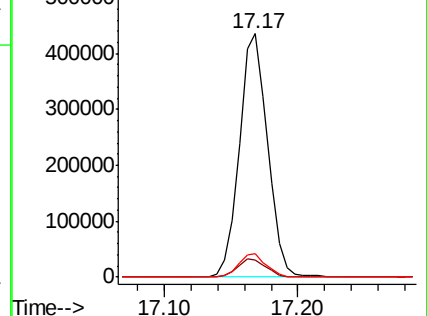
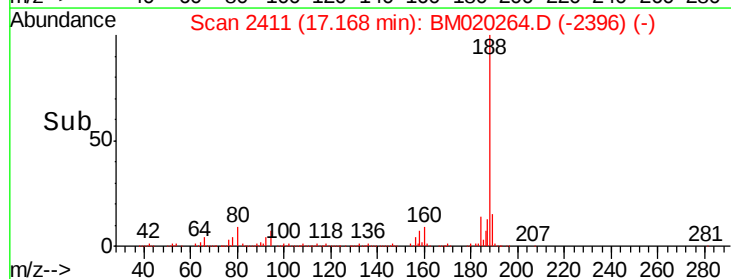
80 9.4 7.4 11.2

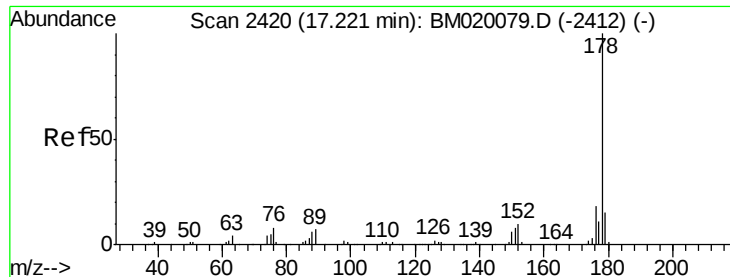


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

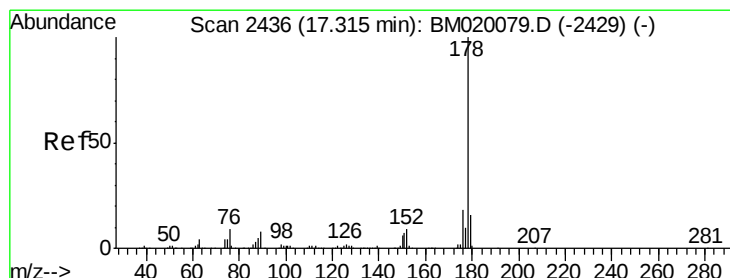
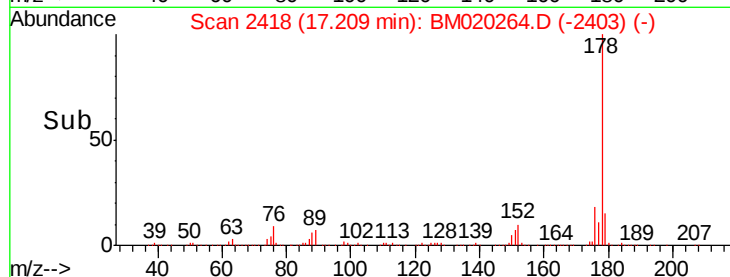
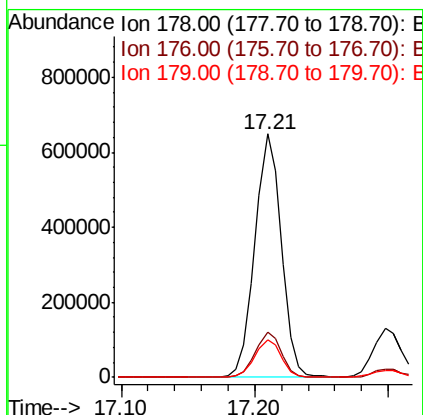
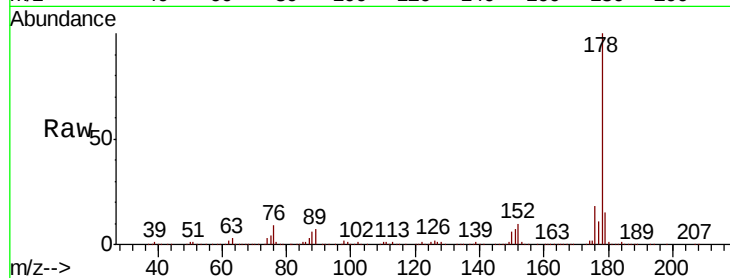




#71
Phenanthrene
Concen: 25.141 ng
RT: 17.21 min Scan# 2418
Delta R.T. -0.01 min
Lab File: BM020264.D
Acq: 11 May 2019 06:18

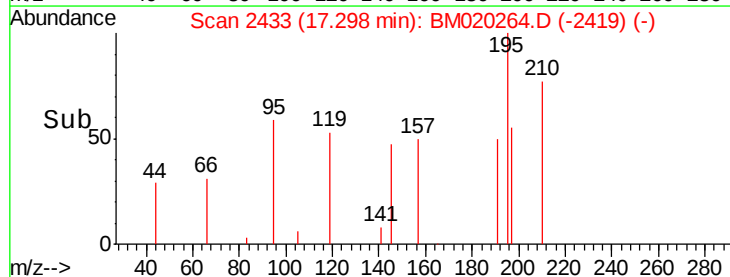
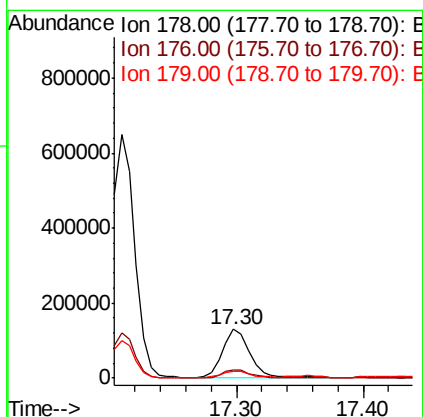
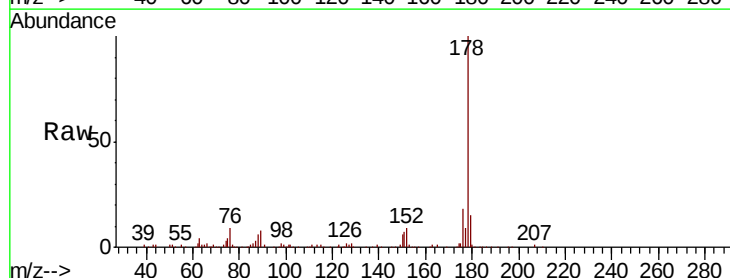
Instrument :
BNA_M
ClientSampleId :
P026-SS001-0206-01

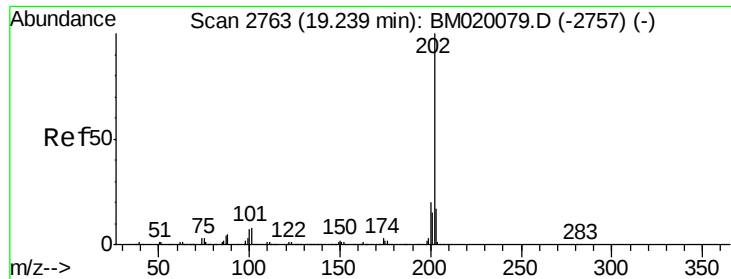
Tgt Ion:178 Resp: 885794
Ion Ratio Lower Upper
178 100
176 18.4 14.6 21.8
179 15.3 12.4 18.6



#72
Anthracene
Concen: 5.353 ng
RT: 17.30 min Scan# 2433
Delta R.T. -0.02 min
Lab File: BM020264.D
Acq: 11 May 2019 06:18

Tgt Ion:178 Resp: 188551
Ion Ratio Lower Upper
178 100
176 17.7 14.6 22.0
179 15.0 12.4 18.6





#75

Fluoranthene

Concen: 40.894 ng

RT: 19.23 min Scan# 2762

Delta R.T. -0.01 min

Lab File: BM020264.D

Acq: 11 May 2019 06:18

Instrument :

BNA_M

ClientSampleId :

P026-SS001-0206-01

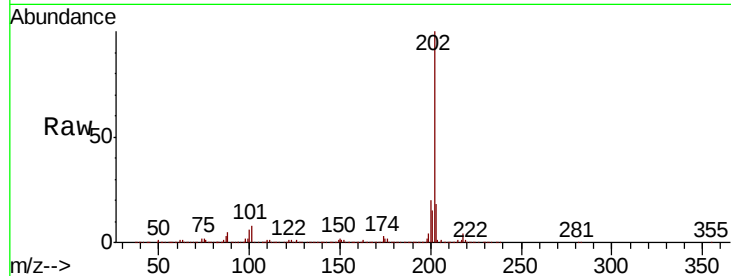
Tgt Ion:202 Resp: 1822991

Ion Ratio Lower Upper

202 100

101 8.3 0.0 28.4

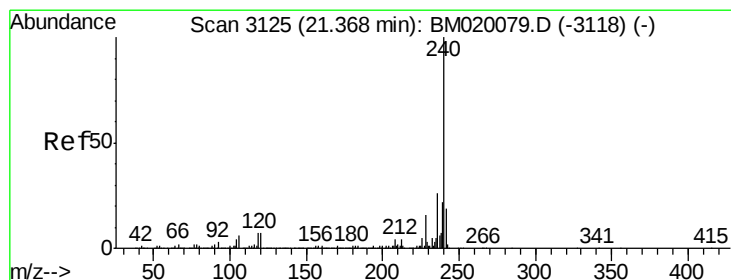
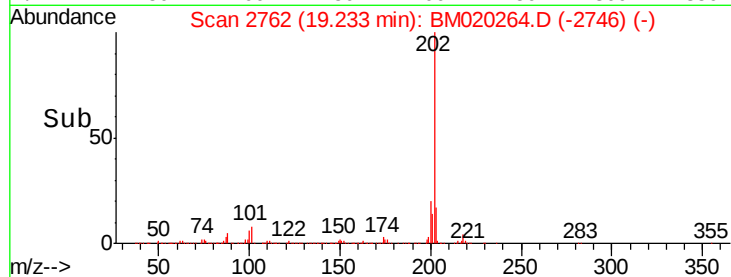
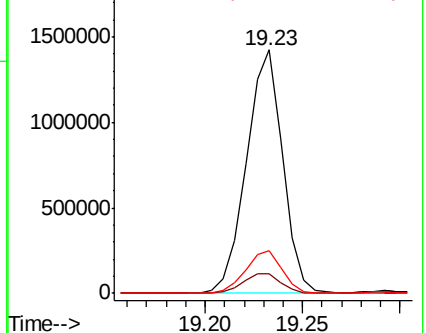
203 17.6 0.0 37.4



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: 21.36 min Scan# 3123

Delta R.T. -0.01 min

Lab File: BM020264.D

Acq: 11 May 2019 06:18

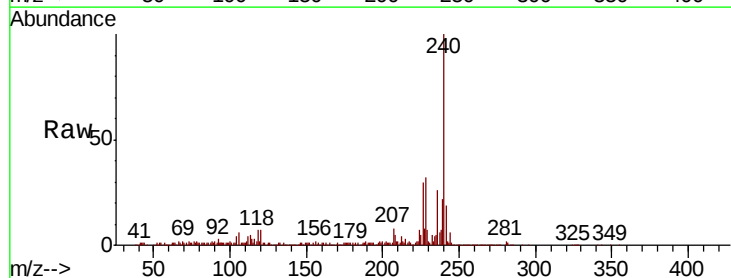
Tgt Ion:240 Resp: 496480

Ion Ratio Lower Upper

240 100

120 7.1 5.6 8.4

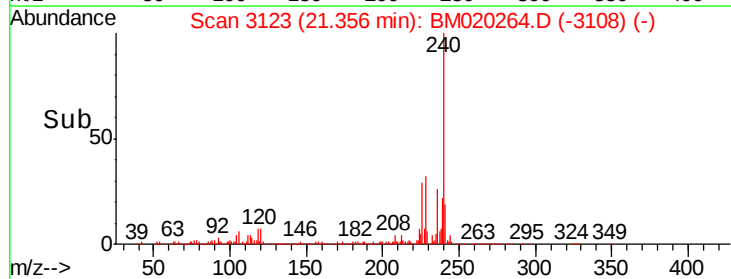
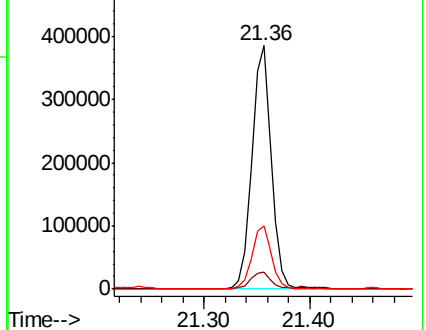
236 25.8 20.9 31.3

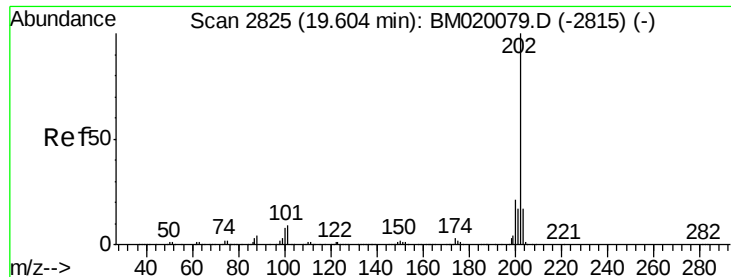


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

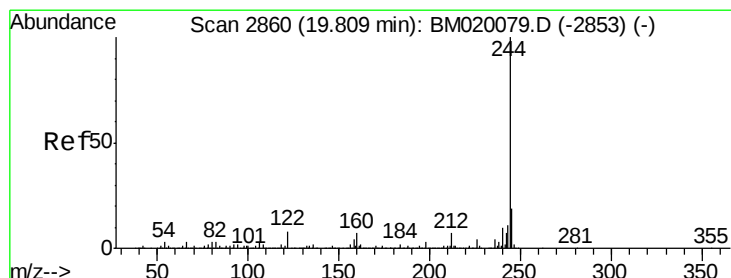
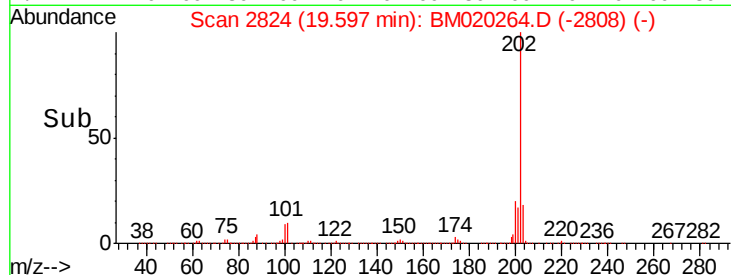
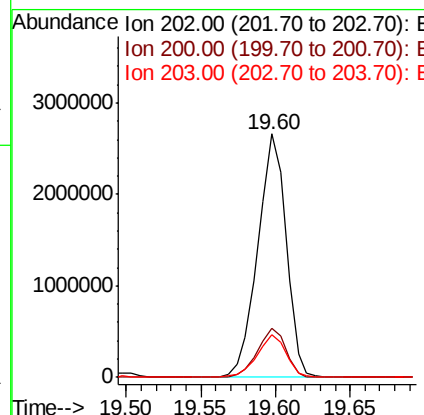
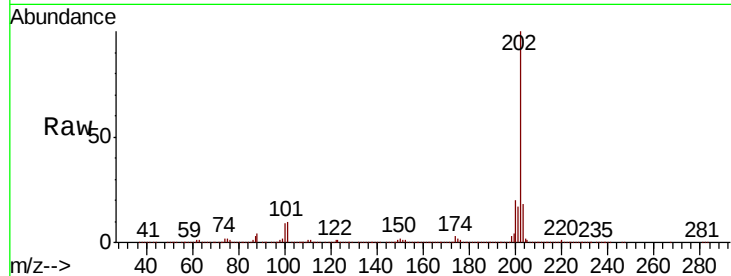




#78
Pyrene
Concen: 104.486 ng
RT: 19.60 min Scan# 2824
Delta R.T. -0.01 min
Lab File: BM020264.D
Acq: 11 May 2019 06:18

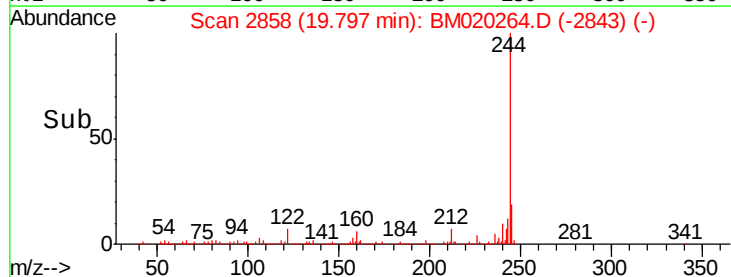
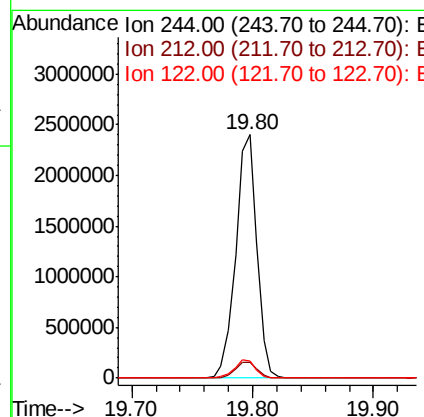
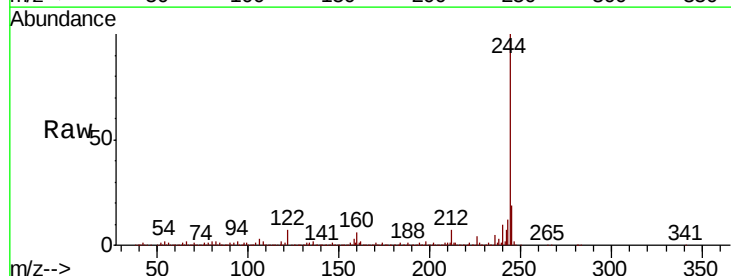
Instrument :
BNA_M
ClientSampleId :
P026-SS001-0206-01

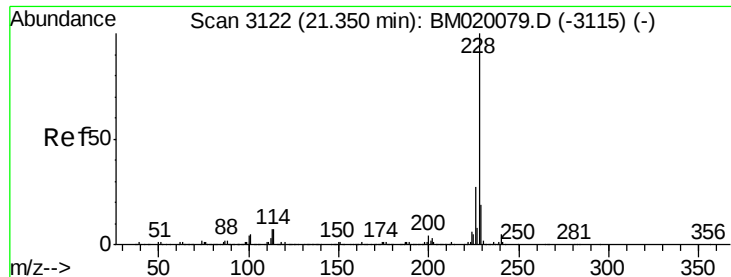
Tgt Ion:202 Resp: 3482856
Ion Ratio Lower Upper
202 100
200 20.2 16.5 24.7
203 17.6 13.9 20.9



#79
Terphenyl-d14
Concen: 102.625 ng
RT: 19.80 min Scan# 2858
Delta R.T. -0.01 min
Lab File: BM020264.D
Acq: 11 May 2019 06:18

Tgt Ion:244 Resp: 2921153
Ion Ratio Lower Upper
244 100
212 6.7 5.7 8.5
122 7.0 6.2 9.2

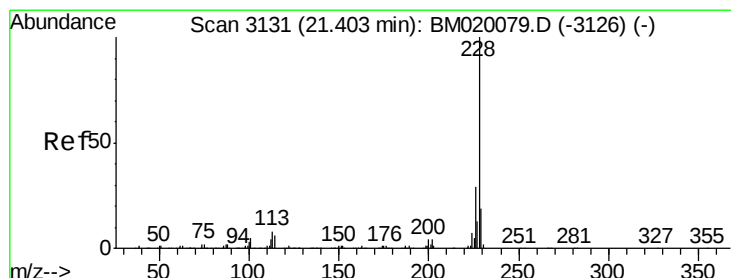
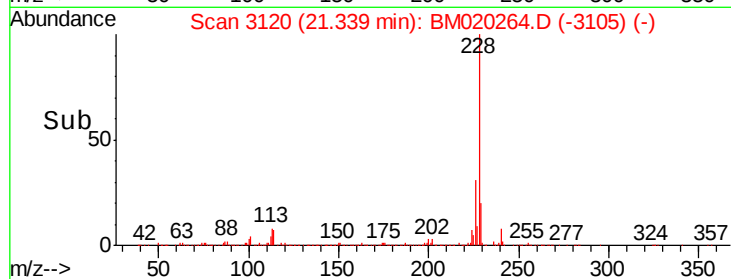
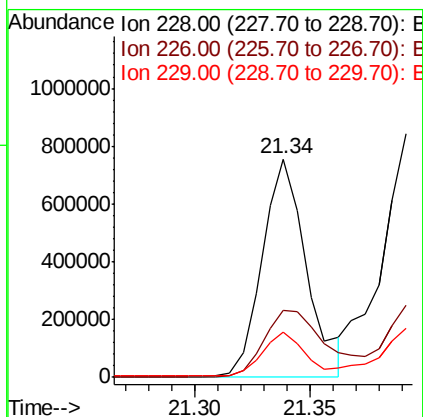
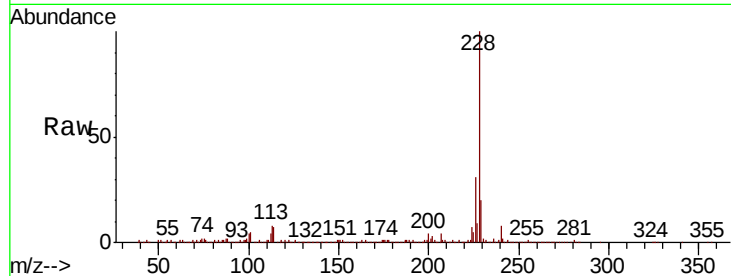




#81
Benzo(a)anthracene
Concen: 28.839 ng
RT: 21.34 min Scan# 3120
Delta R.T. -0.01 min
Lab File: BM020264.D
Acq: 11 May 2019 06:18

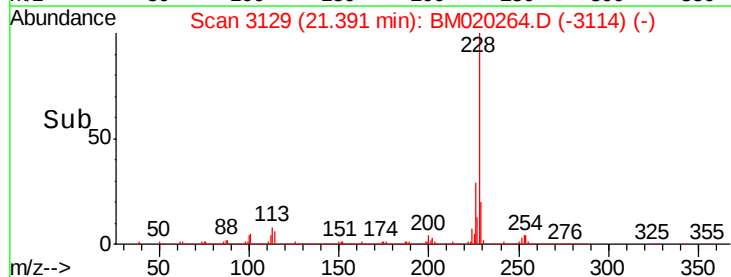
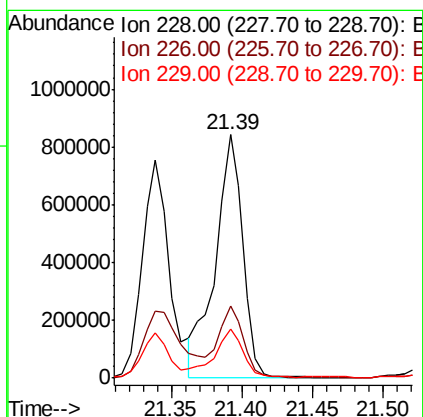
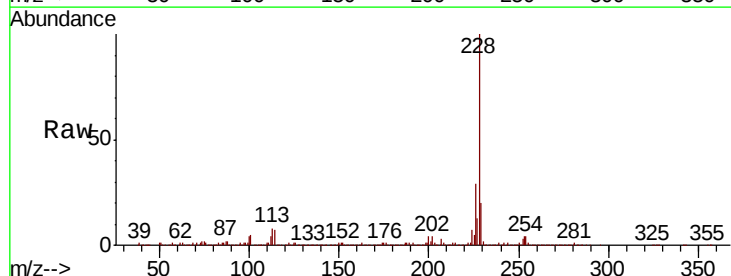
Instrument :
BNA_M
ClientSampleId :
P026-SS001-0206-01

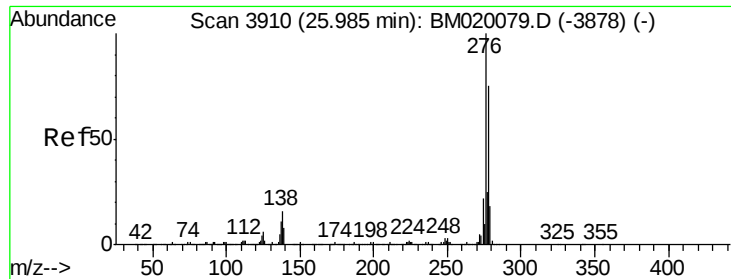
Tgt Ion:228 Resp: 1004127
Ion Ratio Lower Upper
228 100
226 30.7 21.3 31.9
229 20.5 15.5 23.3



#83
Chrysene
Concen: 33.441 ng
RT: 21.39 min Scan# 3129
Delta R.T. -0.01 min
Lab File: BM020264.D
Acq: 11 May 2019 06:18

Tgt Ion:228 Resp: 1129223
Ion Ratio Lower Upper
228 100
226 29.5 23.0 34.6
229 20.1 15.5 23.3

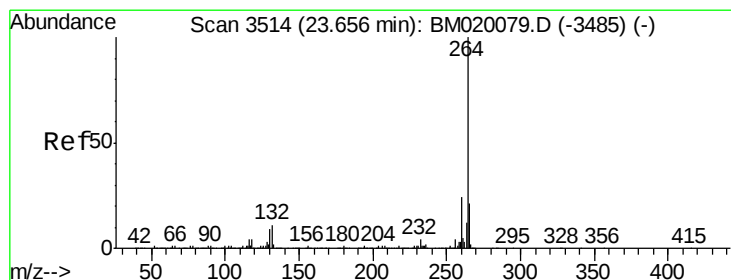
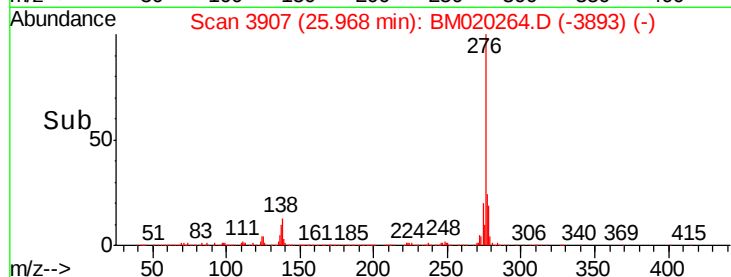
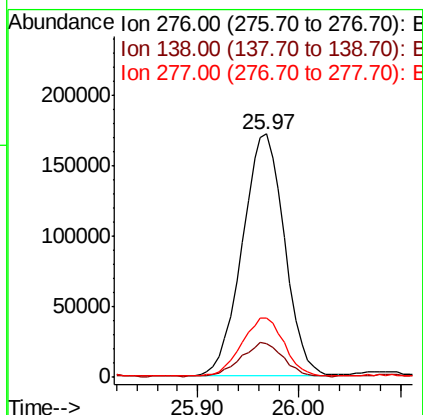
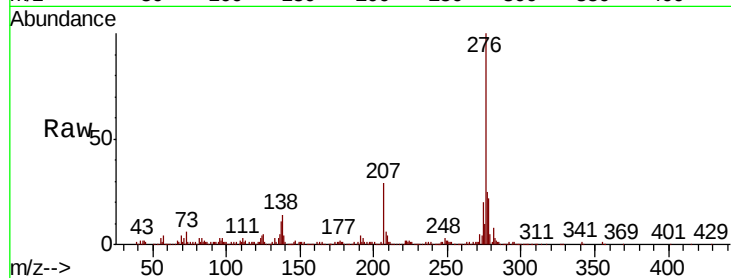




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 12.369 ng
 RT: 25.97 min Scan# 3907
 Delta R.T. -0.02 min
 Lab File: BM020264.D
 Acq: 11 May 2019 06:18

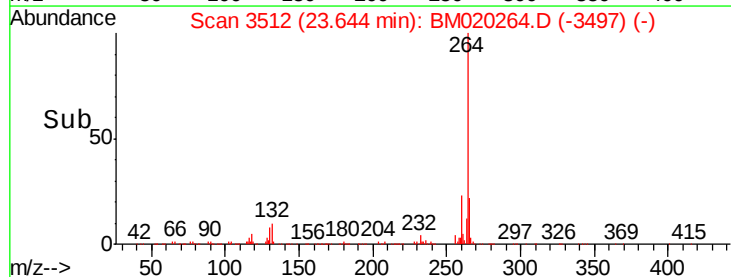
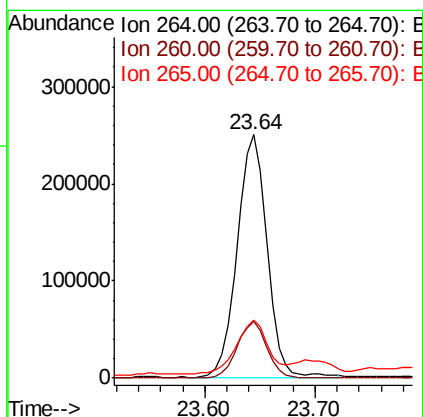
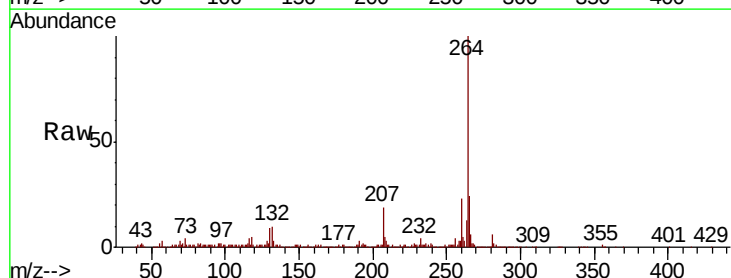
Instrument :
 BNA_M
 ClientSampleId :
 P026-SS001-0206-01

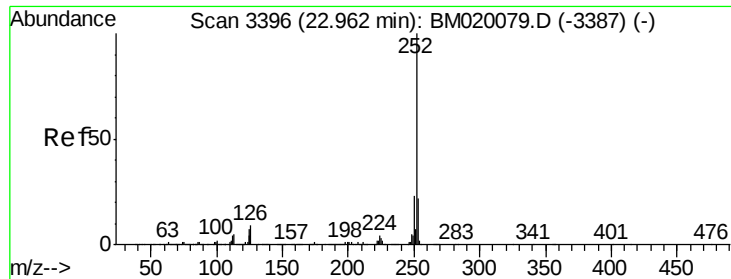
Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.0	0.0	0.0#
277	24.2	0.0	0.0#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.64 min Scan# 3512
 Delta R.T. -0.01 min
 Lab File: BM020264.D
 Acq: 11 May 2019 06:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	23.8	16.9	25.3

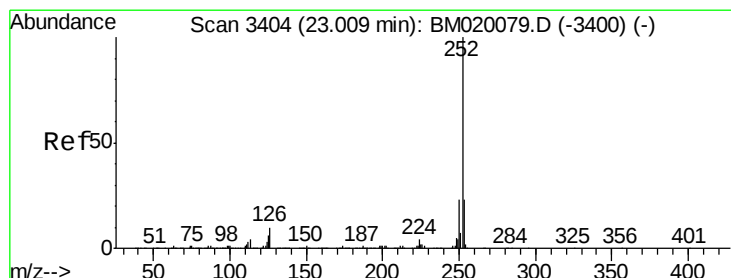
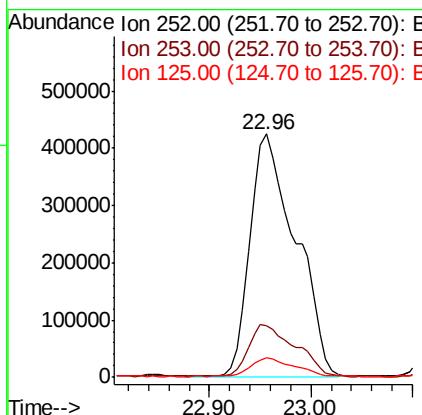
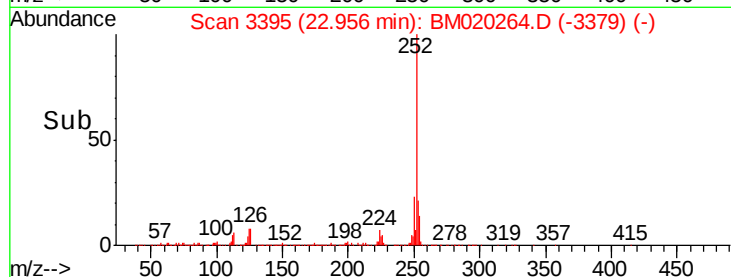
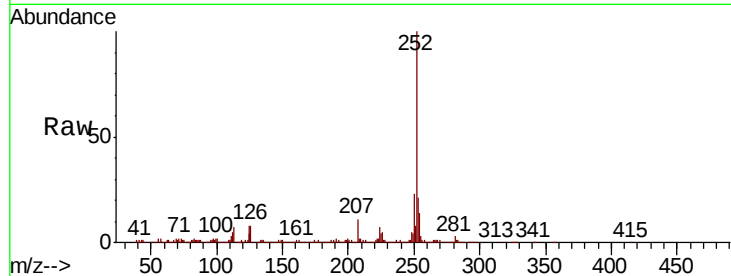




#88
Benzo(b)fluoranthene
Concen: 41.988 ng
RT: 22.96 min Scan# 3395
Delta R.T. -0.01 min
Lab File: BM020264.D
Acq: 11 May 2019 06:18

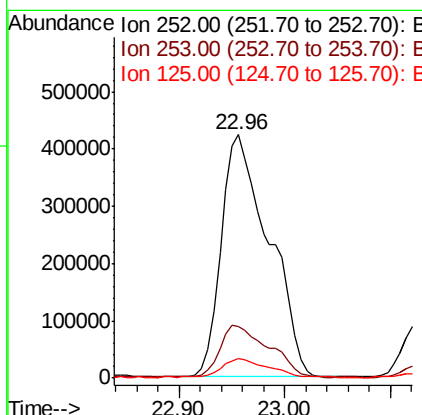
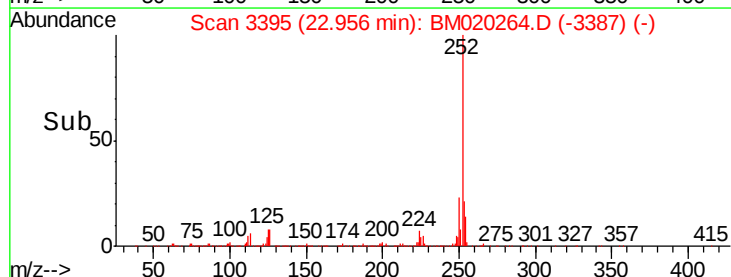
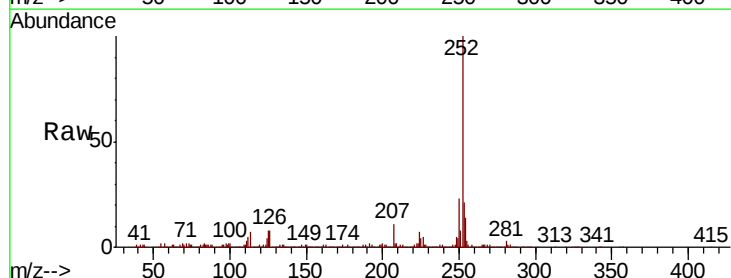
Instrument :
BNA_M
ClientSampleId :
P026-SS001-0206-01

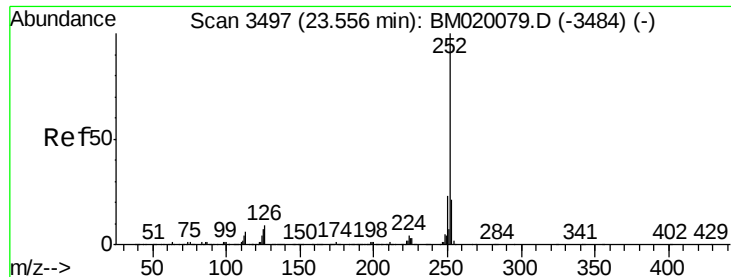
Tgt Ion:252 Resp: 1321516
Ion Ratio Lower Upper
252 100
253 21.4 17.5 26.3
125 8.1 5.4 8.2



#89
Benzo(k)fluoranthene
Concen: 45.725 ng
RT: 22.96 min Scan# 3395
Delta R.T. -0.05 min
Lab File: BM020264.D
Acq: 11 May 2019 06:18

Tgt Ion:252 Resp: 1312752
Ion Ratio Lower Upper
252 100
253 21.4 17.8 26.8
125 8.1 5.4 8.0#





#90

Benzo(a)pyrene

Concen: 20.990 ng

RT: 23.54 min Scan# 3495

Delta R.T. -0.01 min

Lab File: BM020264.D

Acq: 11 May 2019 06:18

Instrument :

BNA_M

ClientSampleId :

P026-SS001-0206-01

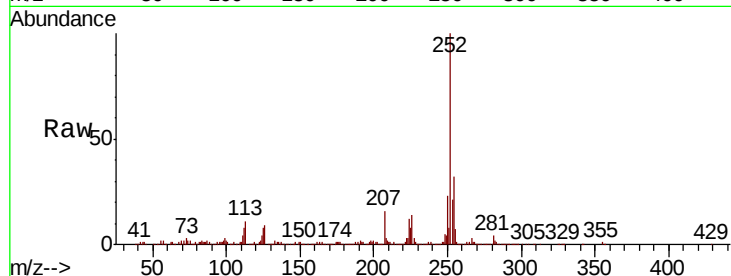
Tgt Ion:252 Resp: 600082

Ion Ratio Lower Upper

252 100

253 21.2 17.0 25.6

125 7.6 5.5 8.3

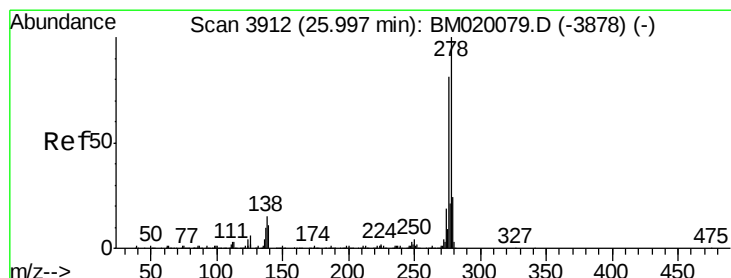
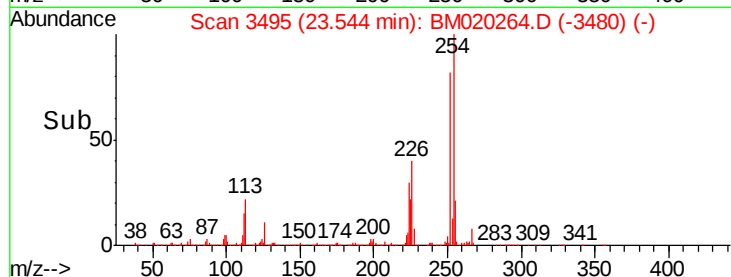
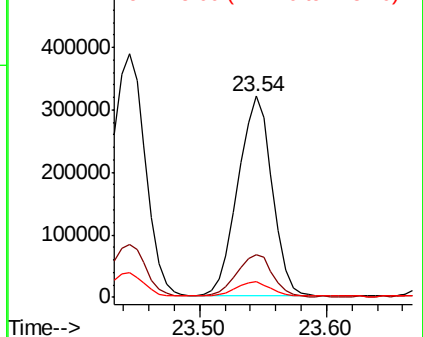


Abundance

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: 4.252 ng

RT: 25.97 min Scan# 3907

Delta R.T. -0.03 min

Lab File: BM020264.D

Acq: 11 May 2019 06:18

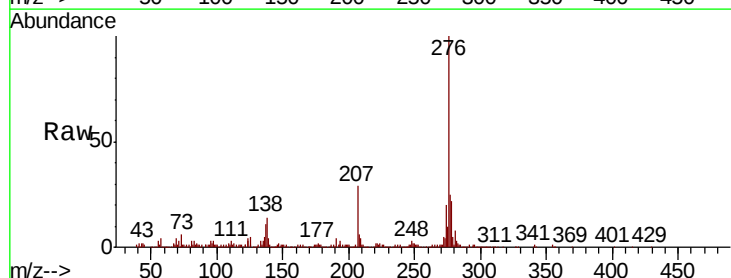
Tgt Ion:278 Resp: 126413

Ion Ratio Lower Upper

278 100

139 16.4 8.6 13.0#

279 25.2 18.8 28.2

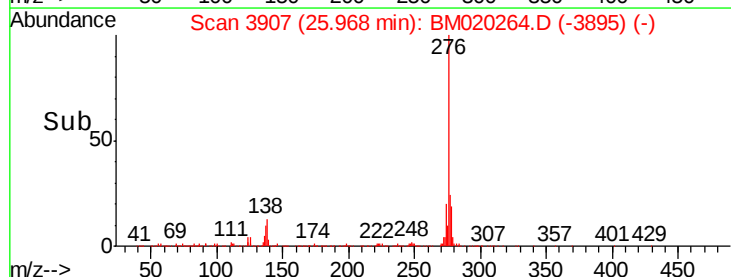
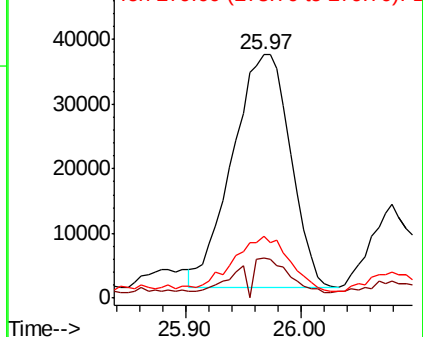


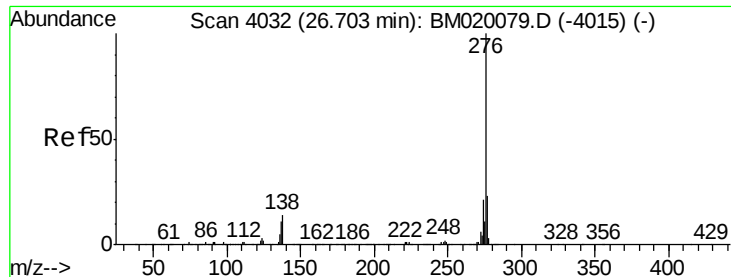
Abundance

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: 20.904 ng

RT: 26.69 min Scan# 4030

Delta R.T. -0.01 min

Lab File: BM020264.D

Acq: 11 May 2019 06:18

Instrument :

BNA_M

ClientSampleId :

P026-SS001-0206-01

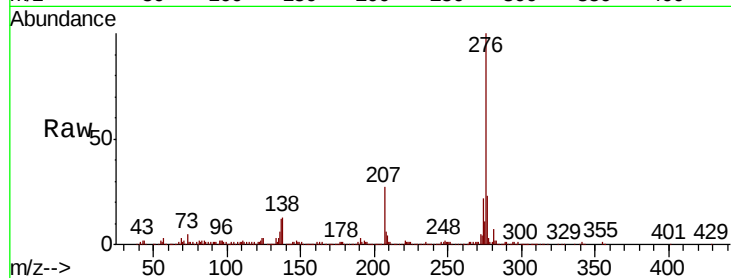
Tgt Ion: 276 Resp: 590056

Ion Ratio Lower Upper

276 100

277 23.4 18.4 27.6

138 13.2 11.1 16.7



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

