

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM050619\
 Data File : BM020152.D
 Acq On : 07 May 2019 04:03
 Operator : JU/SJ
 Sample : K2673-12 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-16-COMP

Quant Time: May 07 05:27:11 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	7.79	152	181688	20.00	ng	0.00
21) Naphthalene-d8	10.59	136	644403	20.00	ng	0.00
39) Acenaphthene-d10	14.43	164	348431	20.00	ng	0.00
64) Phenanthrene-d10	17.18	188	791972	20.00	ng	0.00
76) Chrysene-d12	21.37	240	800795	20.00	ng	0.00
87) Perylene-d12	23.66	264	943396	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	271119	24.39	ng	0.00
7) Phenol-d6	6.96	99	367301	24.19	ng	0.00
23) Nitrobenzene-d5	8.96	82	242941	14.88	ng	0.00
42) 2,4,6-Tribromophenol	15.93	330	123422	22.82	ng	0.00
45) 2-Fluorobiphenyl	13.05	172	415855	14.68	ng	0.00
79) Terphenyl-d14	19.80	244	577403	12.58	ng	0.00

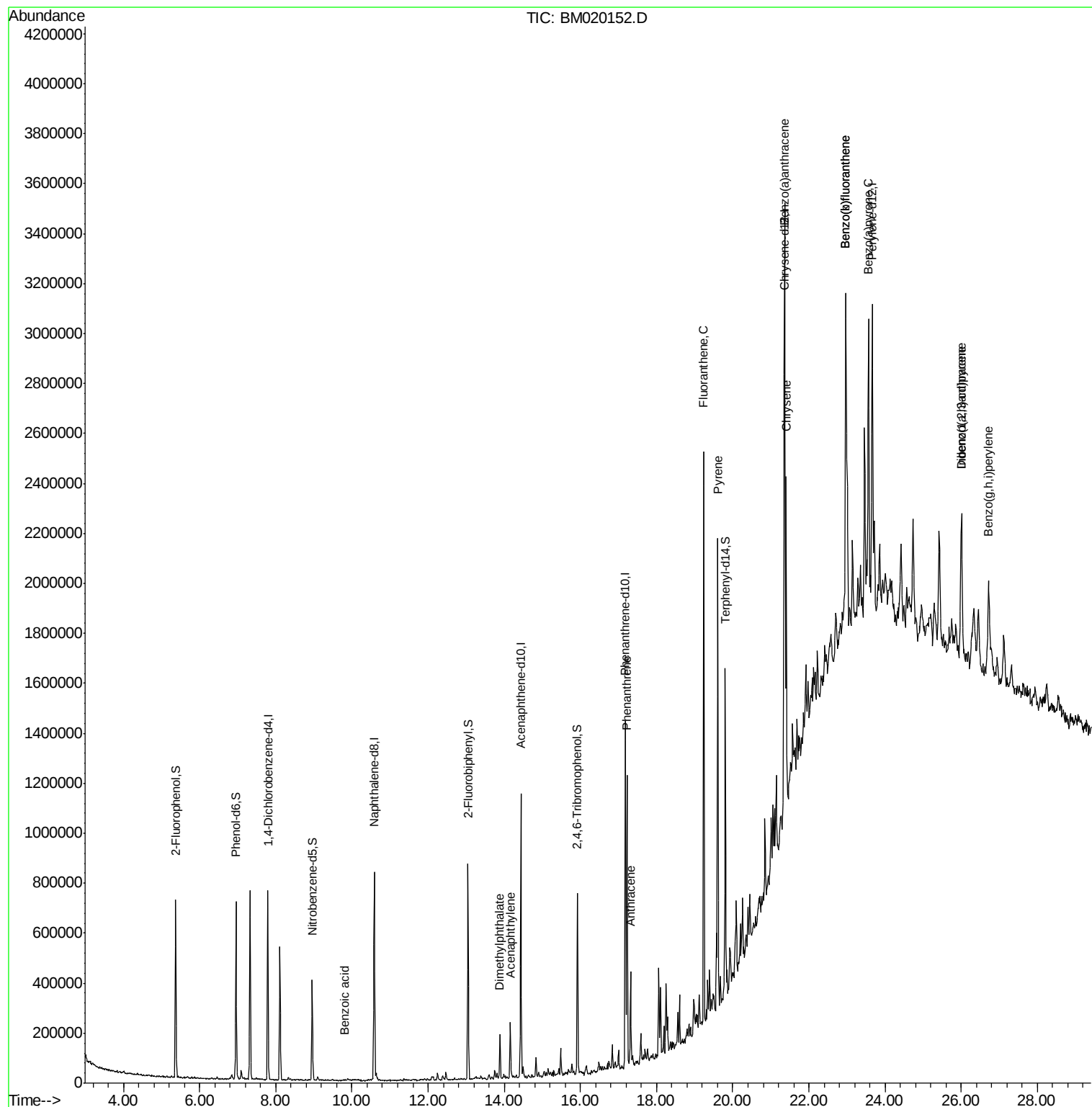
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	9.81	122	767	6.720	ng	# 74
49) Acenaphthylene	14.16	152	150367	4.103	ng	99
50) Dimethylphthalate	13.89	163	83063	2.805	ng	97
71) Phenanthrene	17.23	178	682603	15.614	ng	99
72) Anthracene	17.32	178	220569	5.046	ng	99
75) Fluoranthene	19.24	202	1328390	24.016	ng	99
78) Pyrene	19.60	202	1144494	21.287	ng	100
81) Benzo(a)anthracene	21.35	228	783149	13.945	ng	97
83) Chrysene	21.40	228	707518	12.990	ng	97
86) Indeno(1,2,3-cd)pyrene	26.00	276	593590	9.162	ng	# 100
88) Benzo(b)fluoranthene	22.97	252	1508518	24.215	ng	# 95
89) Benzo(k)fluoranthene	22.97	252	1503218	26.453	ng	# 96
90) Benzo(a)pyrene	23.56	252	749794	13.251	ng	# 93
91) Dibenzo(a,h)anthracene	26.01	278	155883	2.649	ng	# 79
92) Benzo(g,h,i)perylene	26.72	276	530663	9.498	ng	95

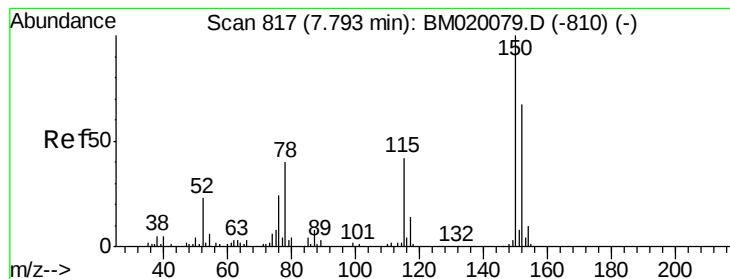
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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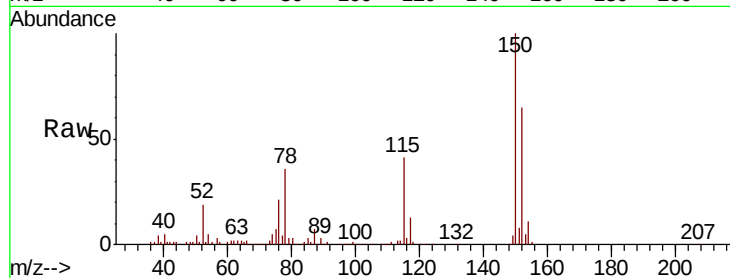


#1

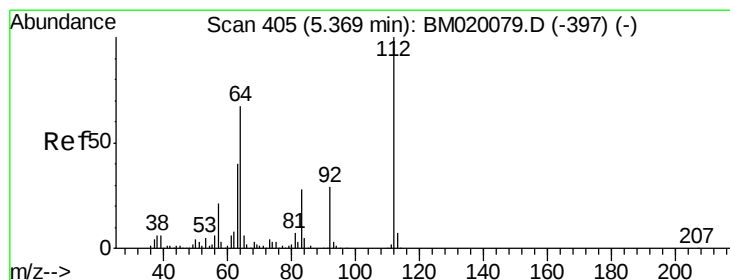
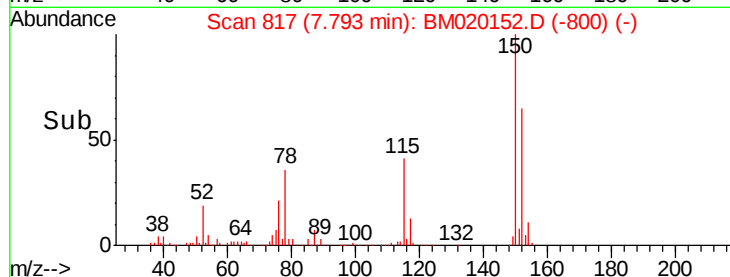
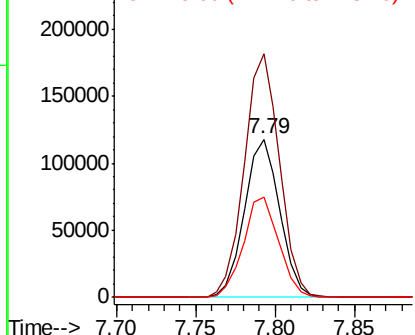
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.79 min Scan# 817
 Delta R.T. 0.00 min
 Lab File: BM020152.D
 Acq: 07 May 2019 04:03

Instrument :
 BNA_M
 ClientSampleId :
 SB-16-COMP

Tgt Ion:152 Resp: 181688
 Ion Ratio Lower Upper
 152 100
 150 154.1 119.8 179.8
 115 63.4 50.8 76.2



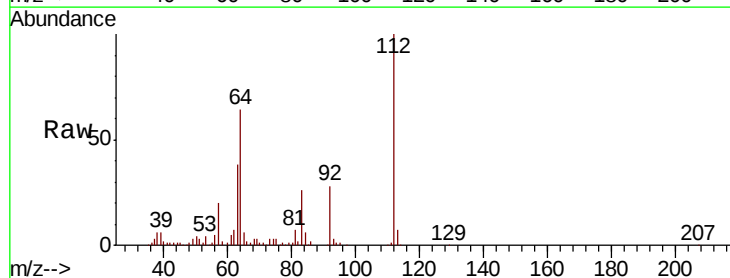
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



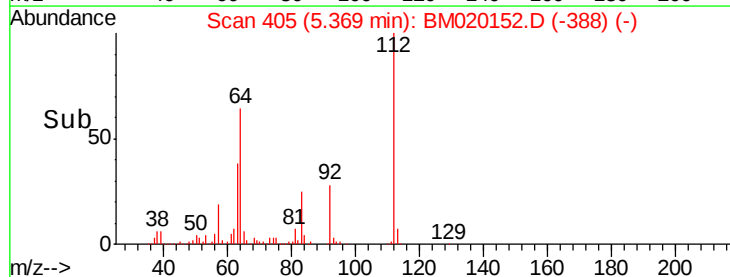
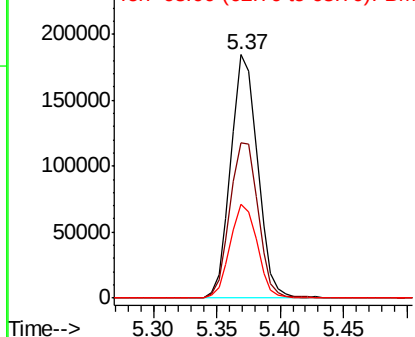
#5

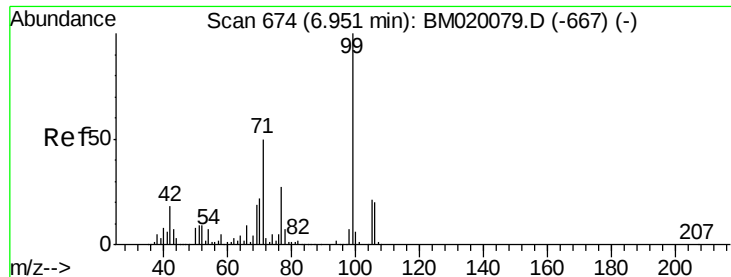
2-Fluorophenol
 Concen: 24.392 ng
 RT: 5.37 min Scan# 405
 Delta R.T. 0.00 min
 Lab File: BM020152.D
 Acq: 07 May 2019 04:03

Tgt Ion:112 Resp: 271119
 Ion Ratio Lower Upper
 112 100
 64 63.8 53.8 80.6
 63 38.4 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: 24.189 ng

RT: 6.96 min Scan# 675

Delta R.T. 0.01 min

Lab File: BM020152.D

Acq: 07 May 2019 04:03

Instrument :

BNA_M

ClientSampleId :

SB-16-COMP

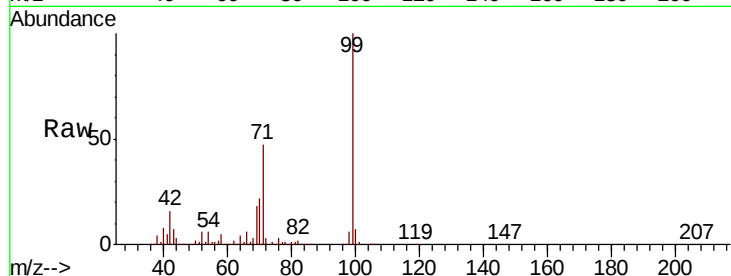
Tgt Ion: 99 Resp: 367301

Ion Ratio Lower Upper

99 100

42 16.5 14.2 21.2

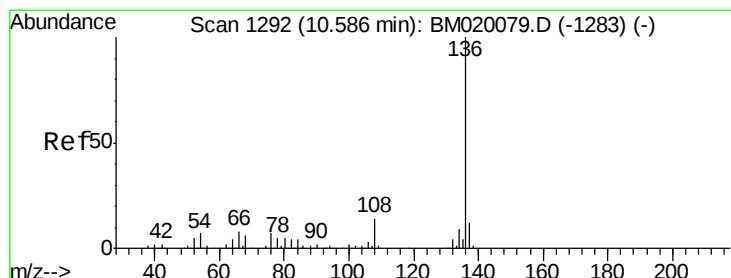
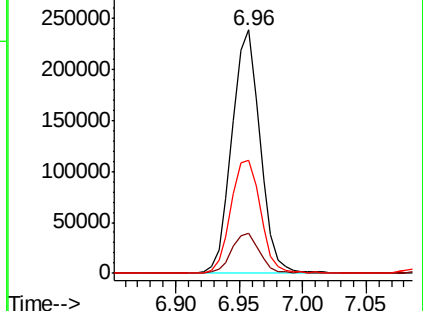
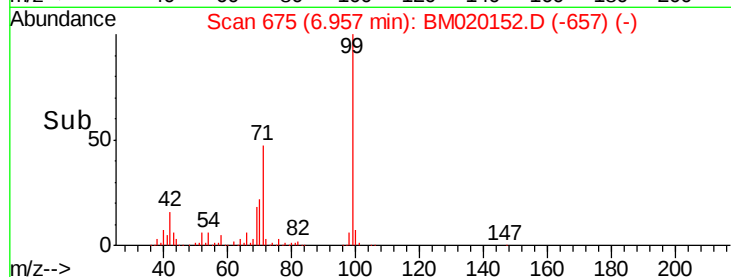
71 46.6 40.3 60.5



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: 10.59 min Scan# 1292

Delta R.T. 0.00 min

Lab File: BM020152.D

Acq: 07 May 2019 04:03

Tgt Ion: 136 Resp: 644403

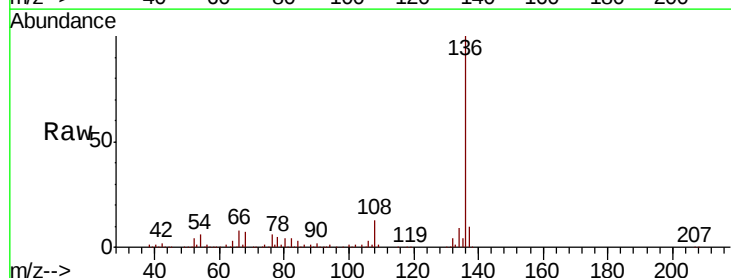
Ion Ratio Lower Upper

136 100

137 10.2 9.6 14.4

54 5.9 5.5 8.3

68 6.8 4.6 6.8

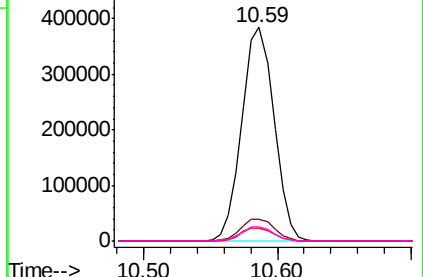
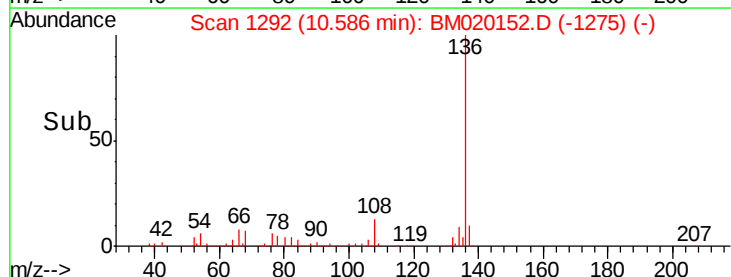


Abundance Ion 136.00 (135.70 to 136.70): BM020079.D (-1283) (-)

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) (-)

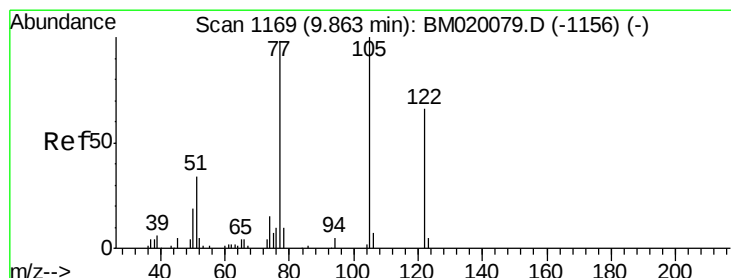
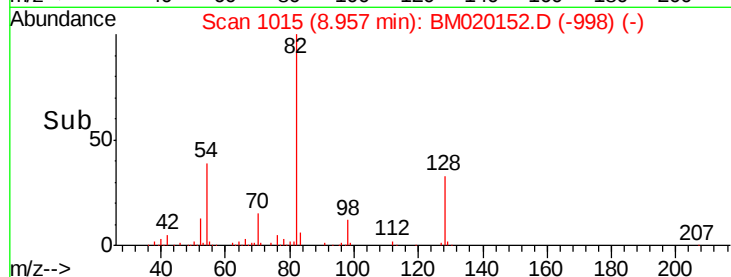
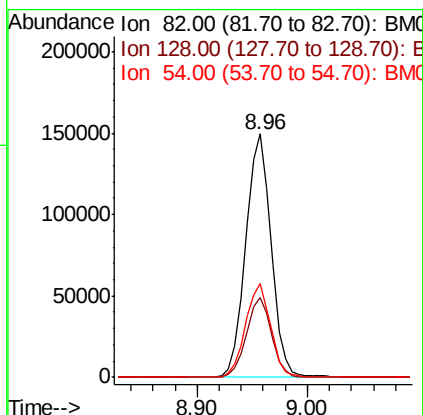
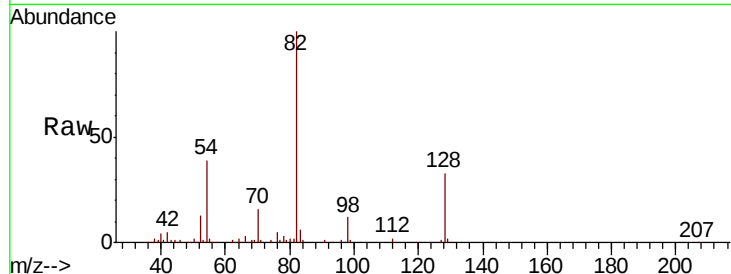




#23
Nitrobenzene-d5
Concen: 14.884 ng
RT: 8.96 min Scan# 1015
Delta R.T. 0.00 min
Lab File: BM020152.D
Acq: 07 May 2019 04:03

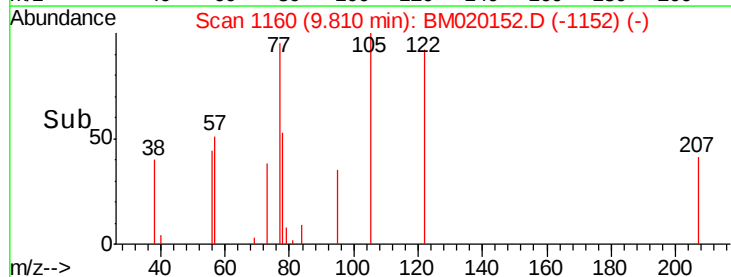
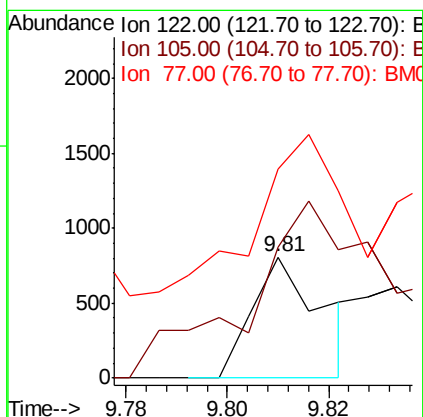
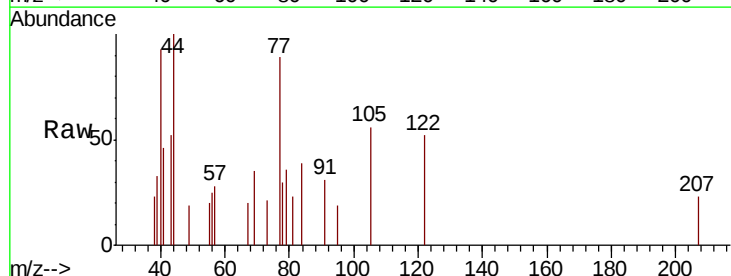
Instrument :
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ClientSampleId :
SB-16-COMP

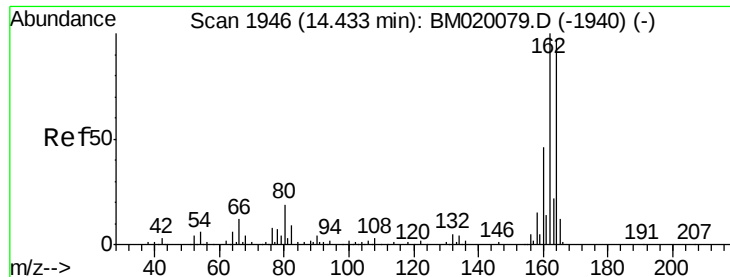
Tgt Ion	Ratio	Lower	Upper
82	100		
128	33.0	25.2	37.8
54	38.5	31.9	47.9



#32
Benzoic acid
Concen: 6.720 ng
RT: 9.81 min Scan# 1160
Delta R.T. -0.05 min
Lab File: BM020152.D
Acq: 07 May 2019 04:03

Tgt Ion	Ratio	Lower	Upper
122	100		
105	108.3	122.5	162.5#
77	172.7	123.3	163.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.43 min Scan# 1946

Delta R.T. 0.00 min

Lab File: BM020152.D

Acq: 07 May 2019 04:03

Instrument :

BNA_M

ClientSampleId :

SB-16-COMP

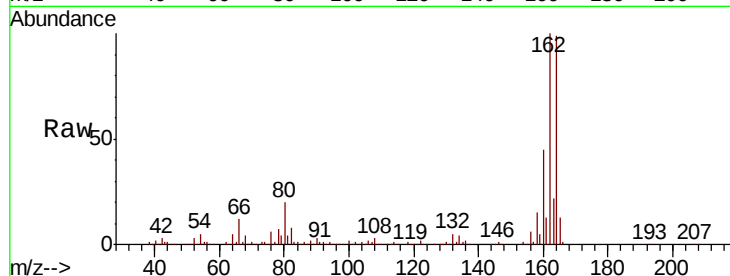
Tgt Ion:164 Resp: 348431

Ion Ratio Lower Upper

164 100

162 100.9 82.2 123.2

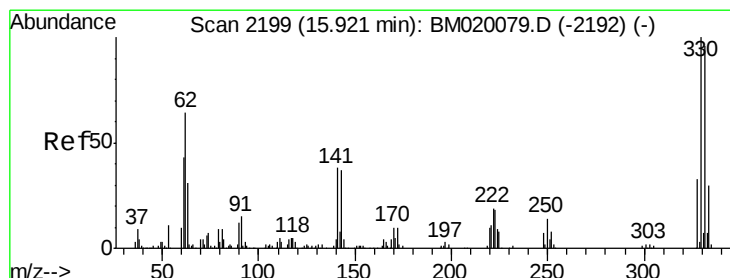
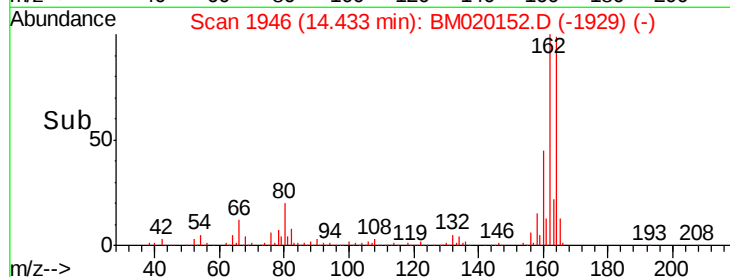
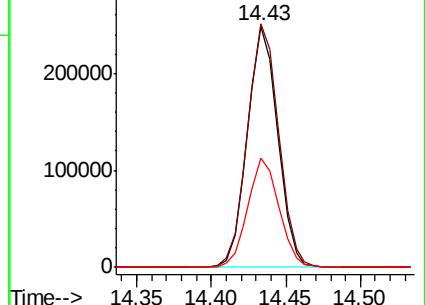
160 45.1 37.6 56.4



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: 22.821 ng

RT: 15.93 min Scan# 2200

Delta R.T. 0.01 min

Lab File: BM020152.D

Acq: 07 May 2019 04:03

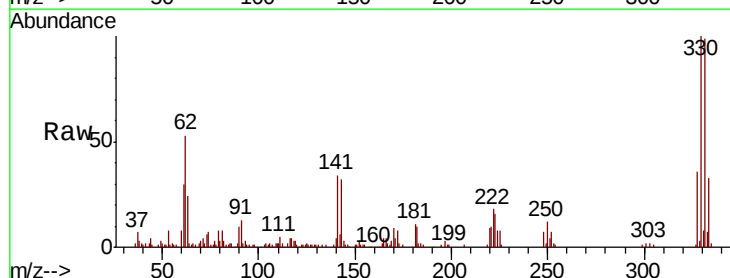
Tgt Ion:330 Resp: 123422

Ion Ratio Lower Upper

330 100

332 96.0 76.8 115.2

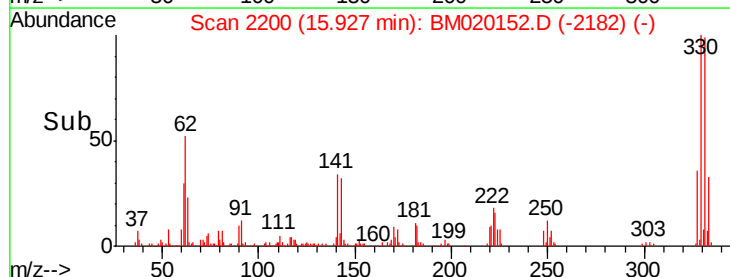
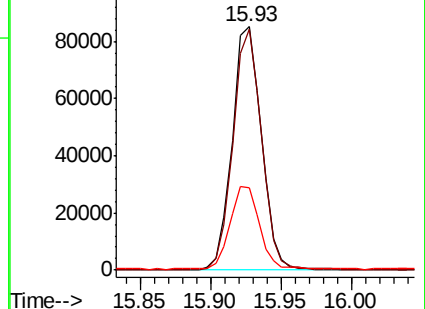
141 33.5 29.2 43.8

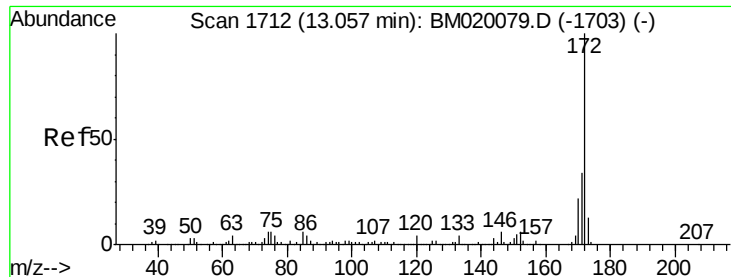


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

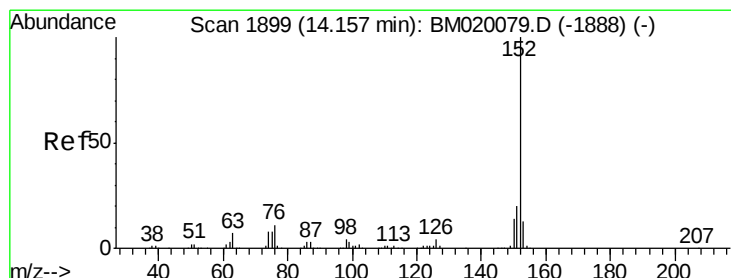
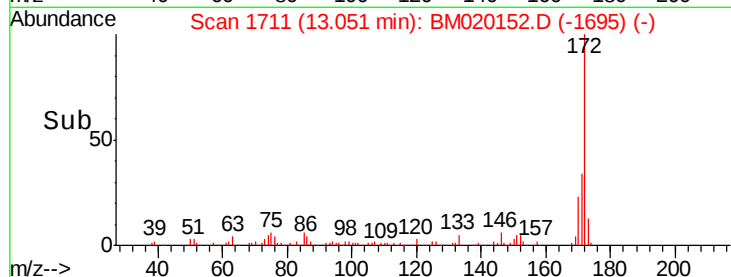
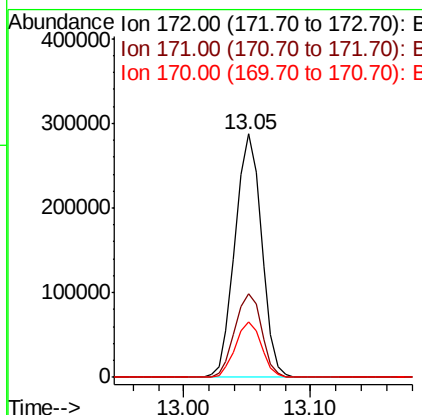
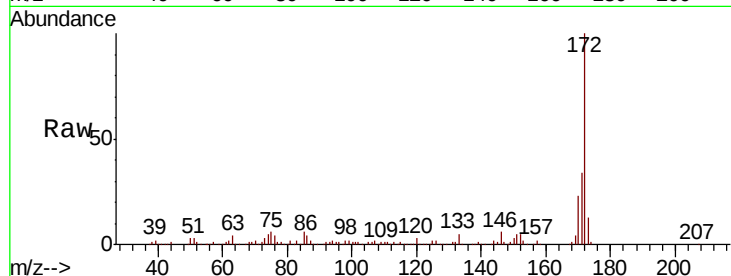




#45
2-Fluorobiphenyl
Concen: 14.684 ng
RT: 13.05 min Scan# 1711
Delta R.T. -0.01 min
Lab File: BM020152.D
Acq: 07 May 2019 04:03

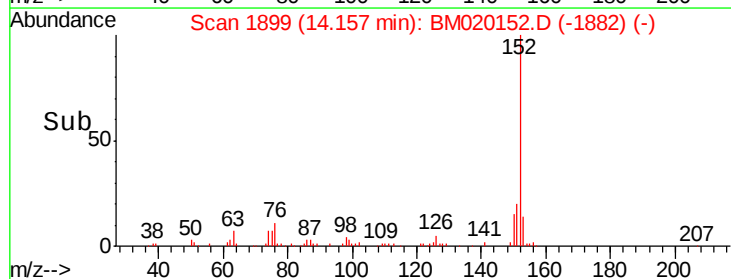
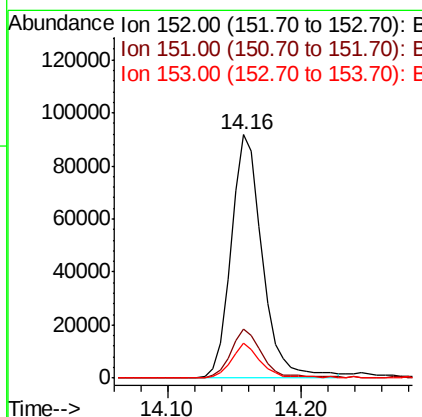
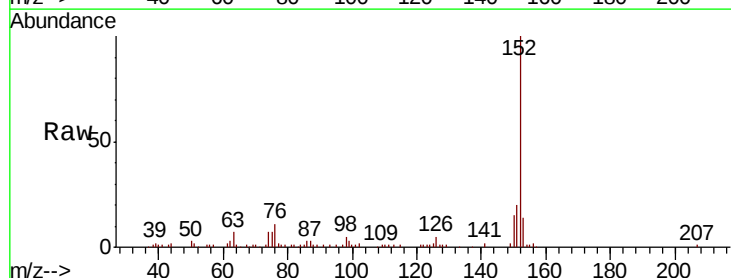
Instrument :
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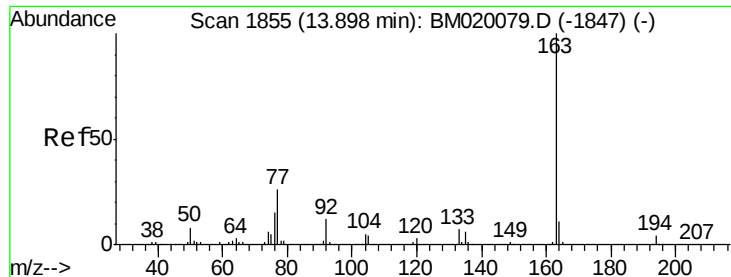
Tgt Ion:172 Resp: 415855
Ion Ratio Lower Upper
172 100
171 34.4 27.3 40.9
170 22.8 17.9 26.9



#49
Acenaphthylene
Concen: 4.103 ng
RT: 14.16 min Scan# 1899
Delta R.T. 0.00 min
Lab File: BM020152.D
Acq: 07 May 2019 04:03

Tgt Ion:152 Resp: 150367
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.2
153 14.3 10.6 16.0





#50

Dimethylphthalate

Concen: 2.805 ng

RT: 13.89 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BM020152.D

Acq: 07 May 2019 04:03

Instrument :

BNA_M

ClientSampleId :

SB-16-COMP

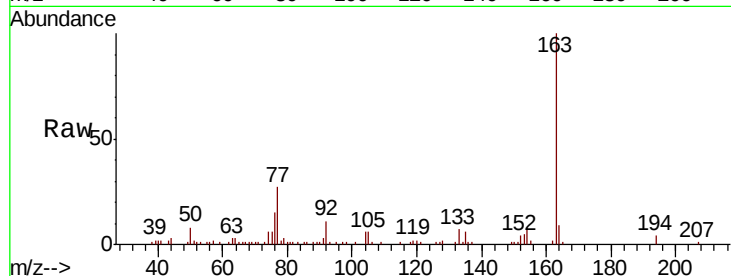
Tgt Ion:163 Resp: 83063

Ion Ratio Lower Upper

163 100

194 4.3 3.6 5.4

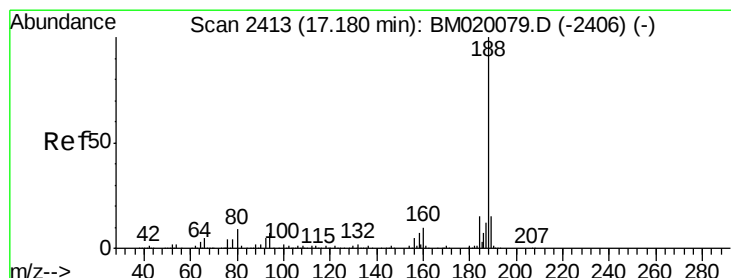
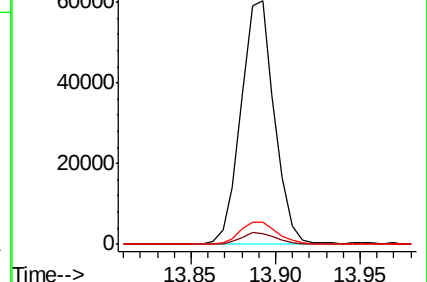
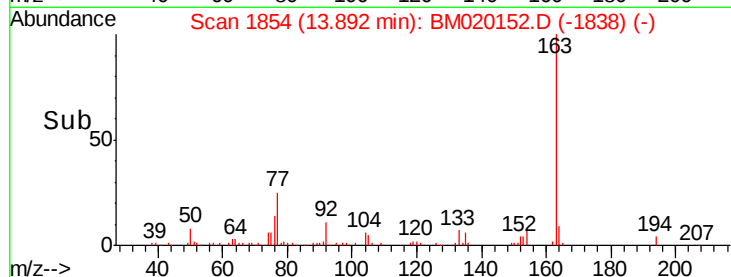
164 9.0 8.4 12.6



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: 17.18 min Scan# 2413

Delta R.T. 0.00 min

Lab File: BM020152.D

Acq: 07 May 2019 04:03

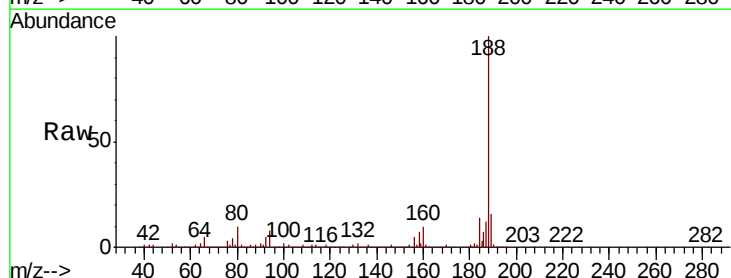
Tgt Ion:188 Resp: 791972

Ion Ratio Lower Upper

188 100

94 8.3 5.8 8.6

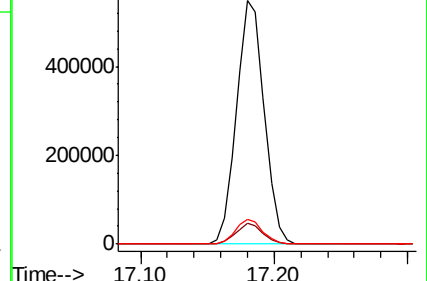
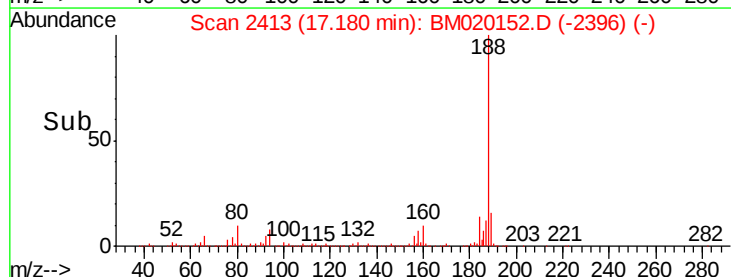
80 10.3 7.4 11.2

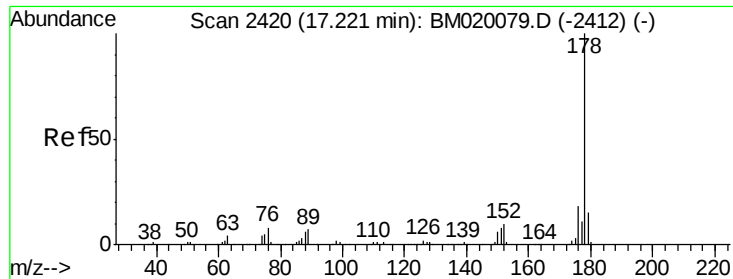


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM

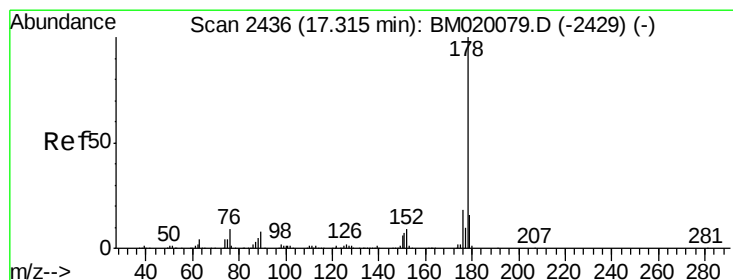
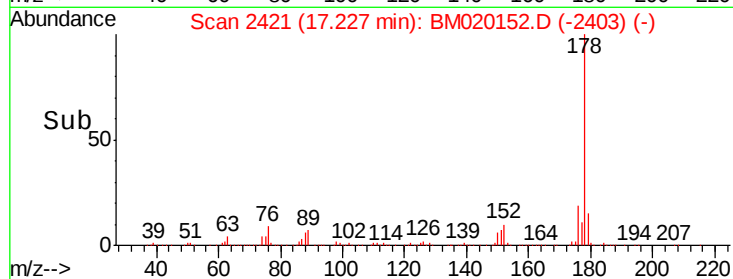
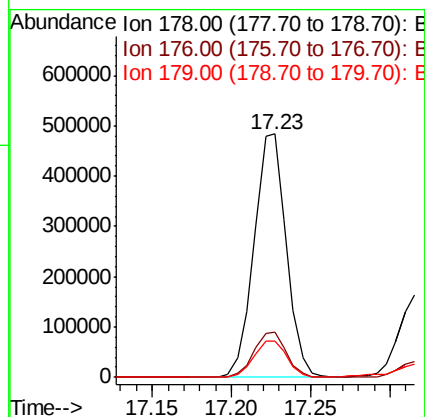
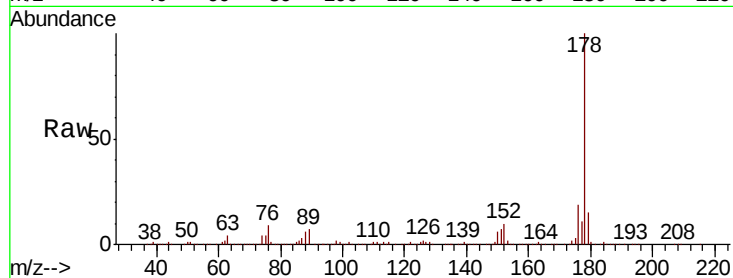




#71
Phenanthrene
Concen: 15.614 ng
RT: 17.23 min Scan# 2421
Delta R.T. 0.01 min
Lab File: BM020152.D
Acq: 07 May 2019 04:03

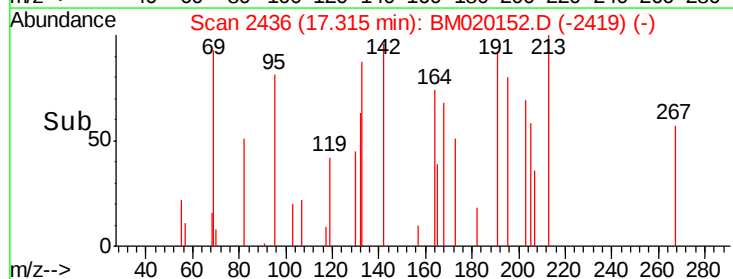
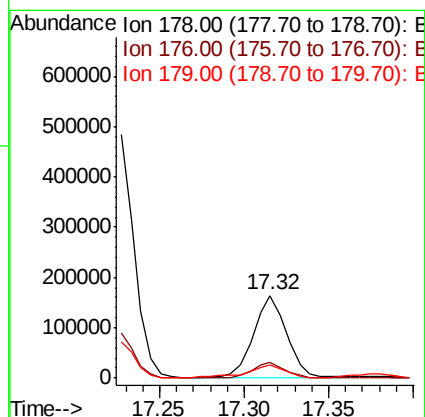
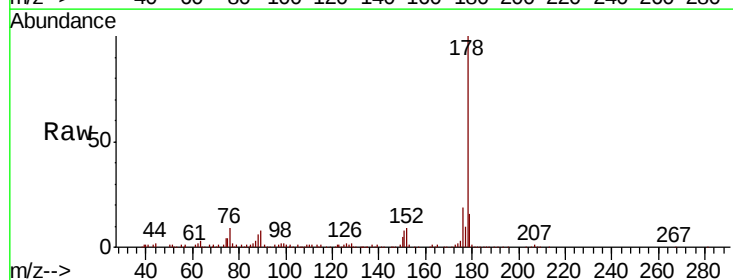
Instrument :
BNA_M
ClientSampleId :
SB-16-COMP

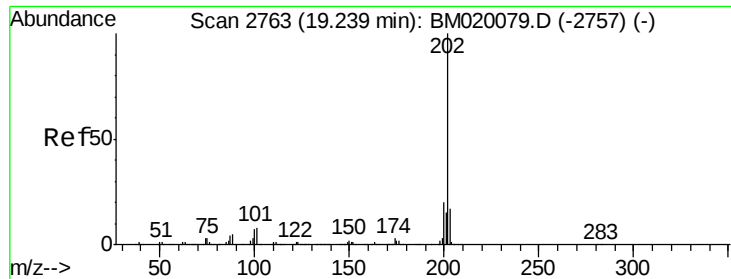
Tgt Ion:178 Resp: 682603
Ion Ratio Lower Upper
178 100
176 18.8 14.6 21.8
179 15.1 12.4 18.6



#72
Anthracene
Concen: 5.046 ng
RT: 17.32 min Scan# 2436
Delta R.T. 0.00 min
Lab File: BM020152.D
Acq: 07 May 2019 04:03

Tgt Ion:178 Resp: 220569
Ion Ratio Lower Upper
178 100
176 18.7 14.6 22.0
179 15.8 12.4 18.6





#75

Fluoranthene

Concen: 24.016 ng

RT: 19.24 min Scan# 2763

Delta R.T. 0.00 min

Lab File: BM020152.D

Acq: 07 May 2019 04:03

Instrument :

BNA_M

ClientSampleId :

SB-16-COMP

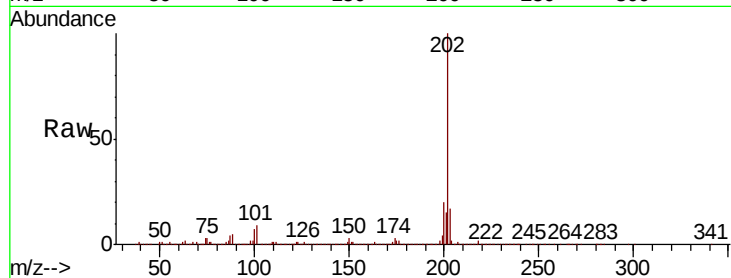
Tgt Ion:202 Resp: 1328390

Ion Ratio Lower Upper

202 100

101 9.0 0.0 28.4

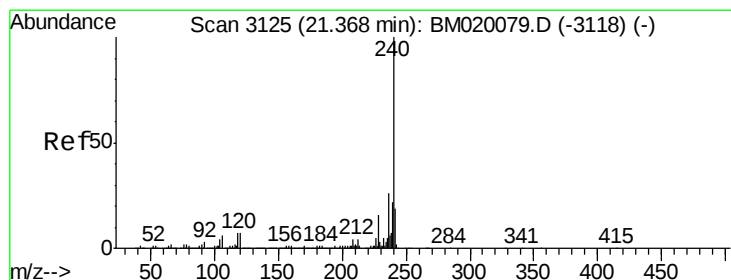
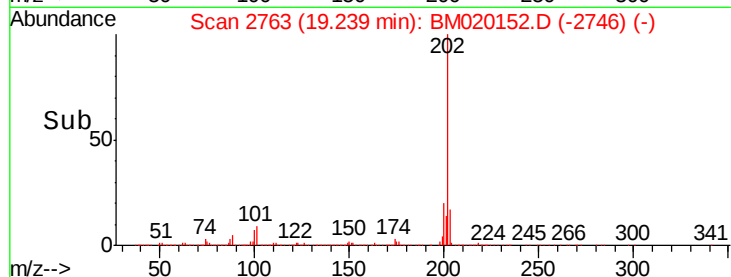
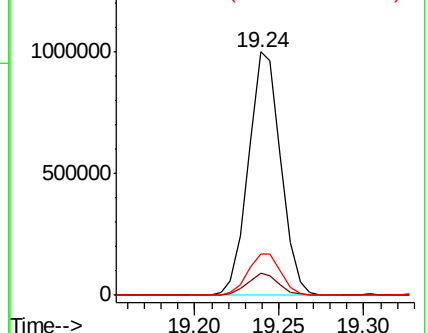
203 17.1 0.0 37.4



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: 21.37 min Scan# 3125

Delta R.T. 0.00 min

Lab File: BM020152.D

Acq: 07 May 2019 04:03

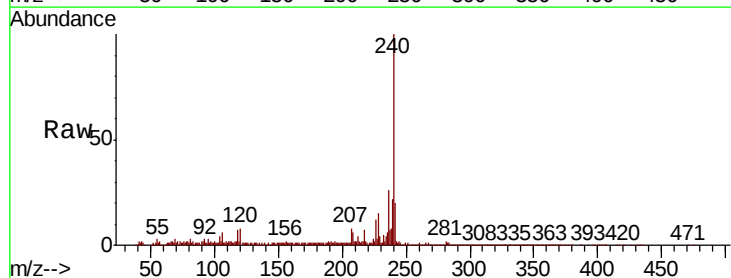
Tgt Ion:240 Resp: 800795

Ion Ratio Lower Upper

240 100

120 7.7 5.6 8.4

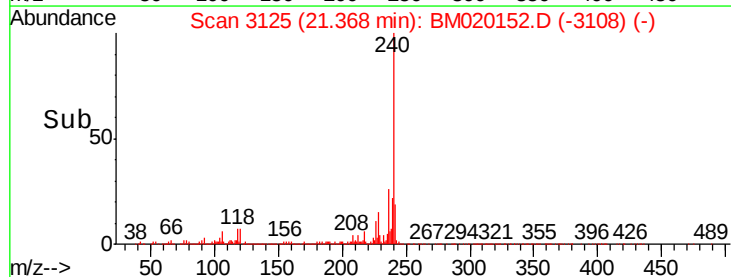
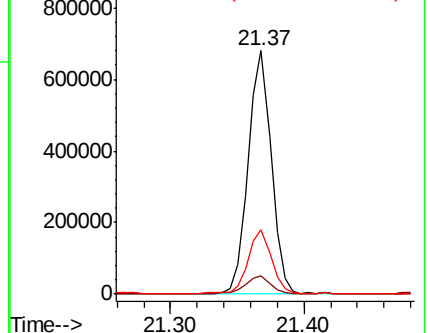
236 26.3 20.9 31.3

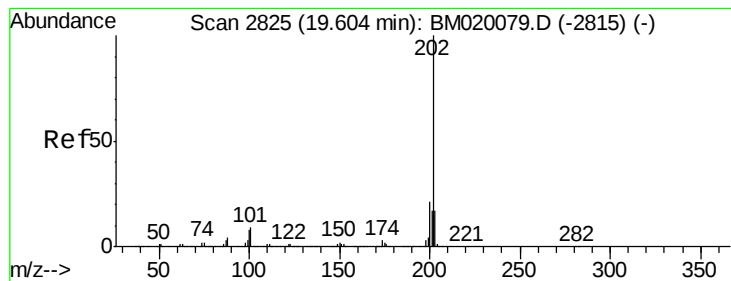


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 21.287 ng

RT: 19.60 min Scan# 2825

Delta R.T. 0.00 min

Lab File: BM020152.D

Acq: 07 May 2019 04:03

Instrument :

BNA_M

ClientSampleId :

SB-16-COMP

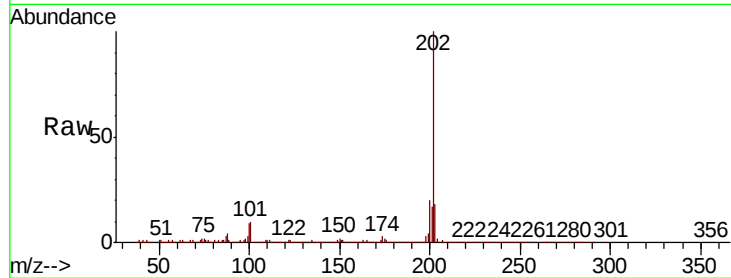
Tgt Ion:202 Resp: 1144494

Ion Ratio Lower Upper

202 100

200 20.4 16.5 24.7

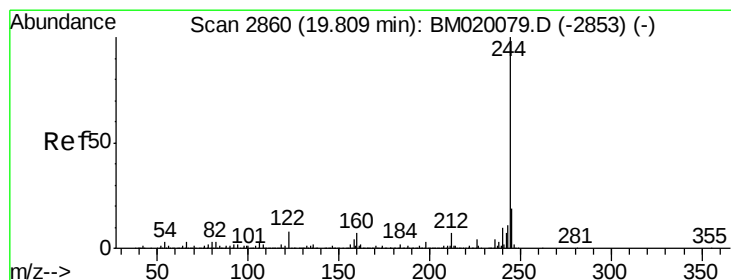
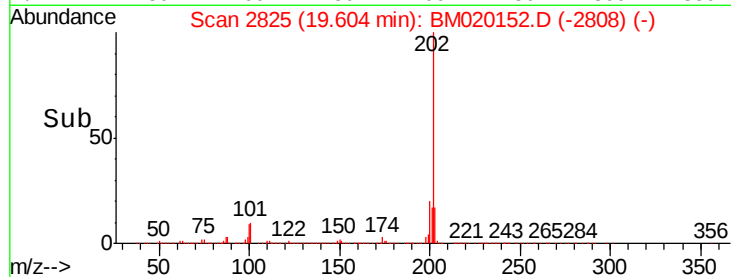
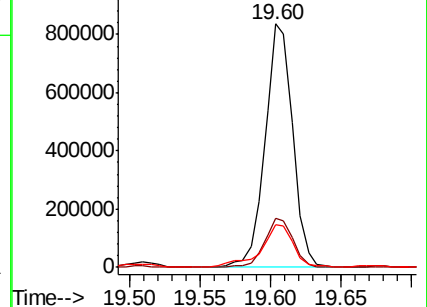
203 17.5 13.9 20.9



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: 12.576 ng

RT: 19.80 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BM020152.D

Acq: 07 May 2019 04:03

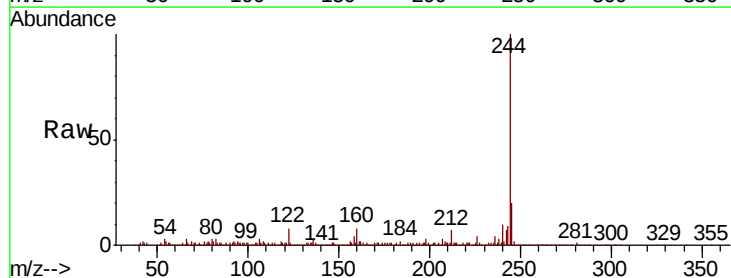
Tgt Ion:244 Resp: 577403

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

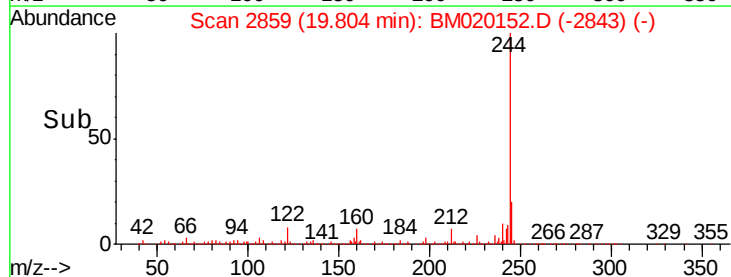
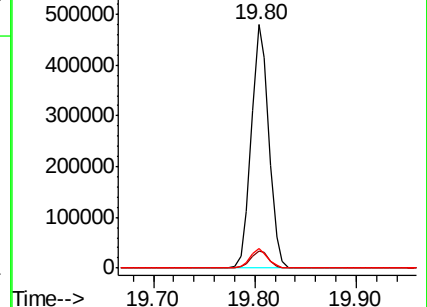
122 8.0 6.2 9.2

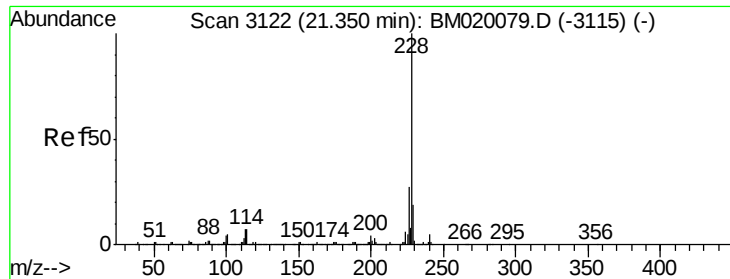


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

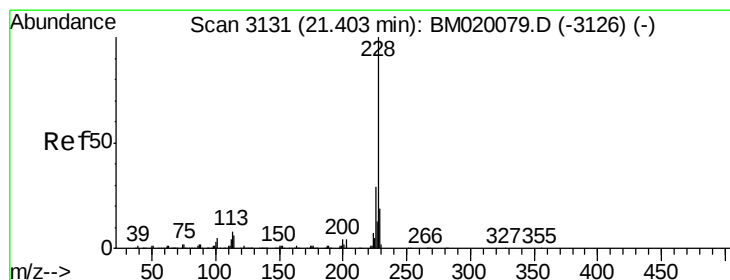
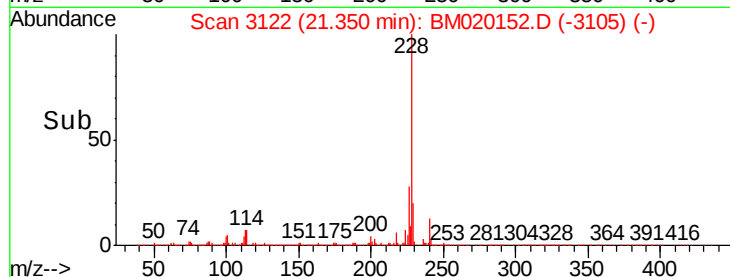
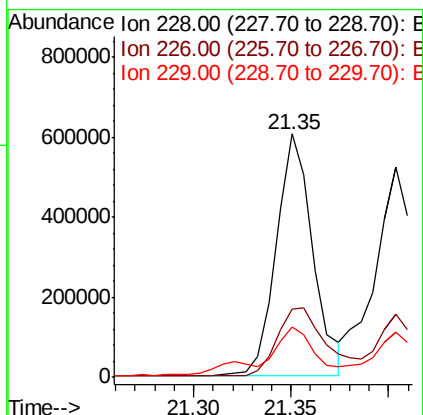
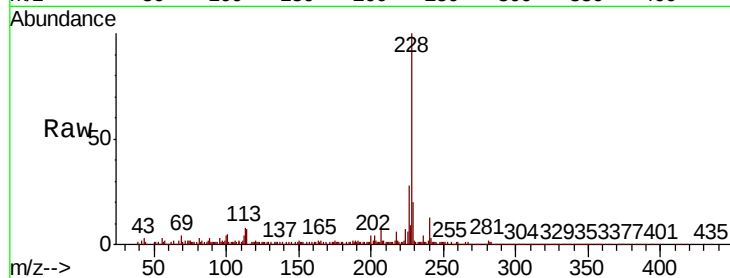




#81
Benzo(a)anthracene
Concen: 13.945 ng
RT: 21.35 min Scan# 3122
Delta R.T. 0.00 min
Lab File: BM020152.D
Acq: 07 May 2019 04:03

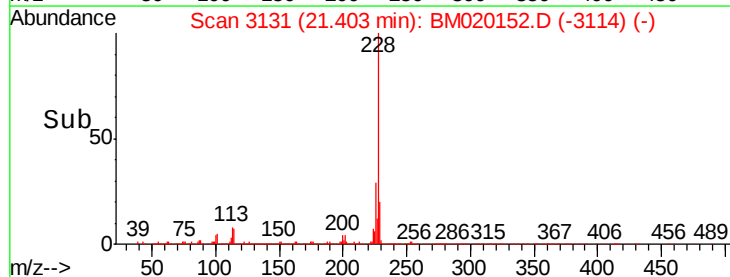
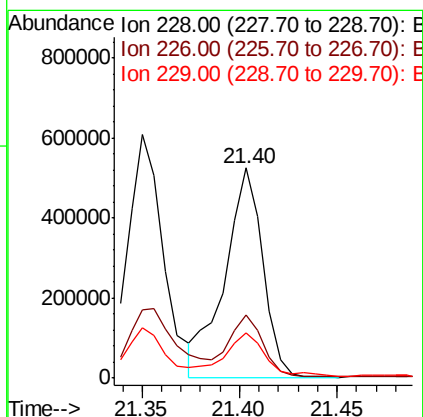
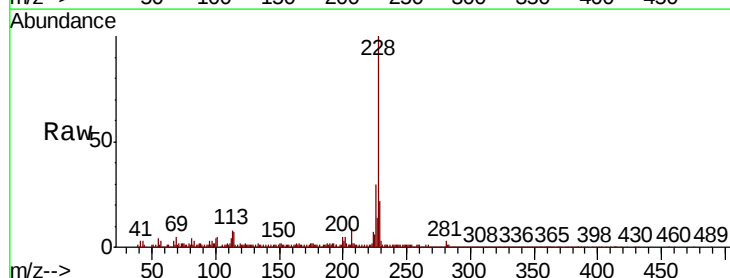
Instrument :
BNA_M
ClientSampleId :
SB-16-COMP

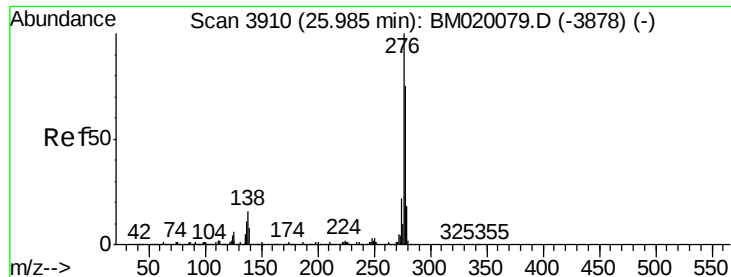
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.3	31.9
229	20.5	15.5	23.3



#83
Chrysene
Concen: 12.990 ng
RT: 21.40 min Scan# 3131
Delta R.T. 0.00 min
Lab File: BM020152.D
Acq: 07 May 2019 04:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.0	34.6
229	21.7	15.5	23.3





#86

Indeno(1,2,3-cd)pyrene

Concen: 9.162 ng

RT: 26.00 min Scan# 3913

Delta R.T. 0.02 min

Lab File: BM020152.D

Acq: 07 May 2019 04:03

Instrument :

BNA_M

ClientSampleId :

SB-16-COMP

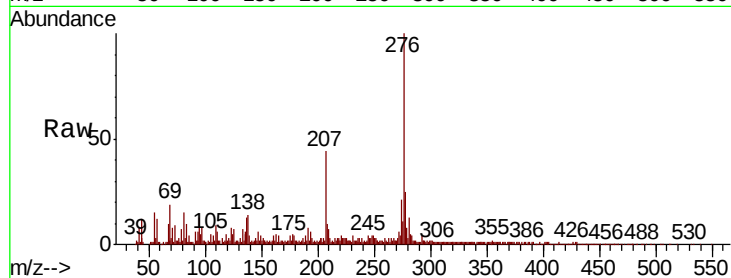
Tgt Ion: 276 Resp: 593590

Ion Ratio Lower Upper

276 100

138 13.2 0.0 0.0#

277 24.1 0.0 0.0#

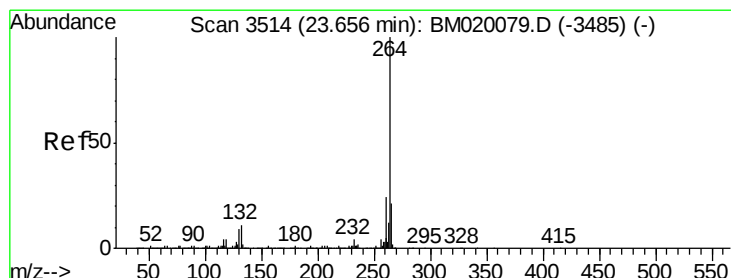
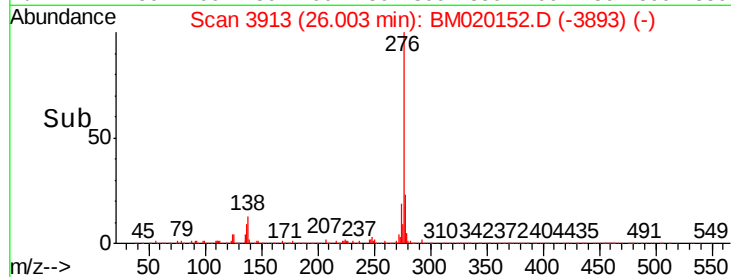
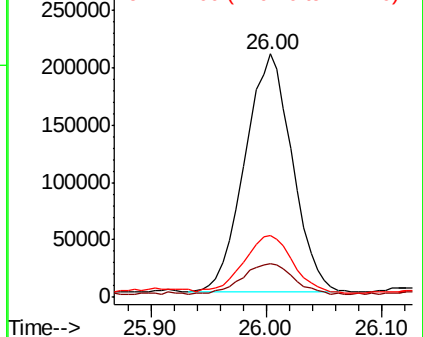


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.66 min Scan# 3515

Delta R.T. 0.01 min

Lab File: BM020152.D

Acq: 07 May 2019 04:03

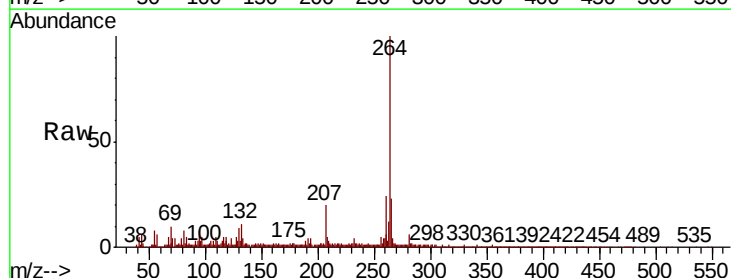
Tgt Ion: 264 Resp: 943396

Ion Ratio Lower Upper

264 100

260 24.5 19.2 28.8

265 23.4 16.9 25.3

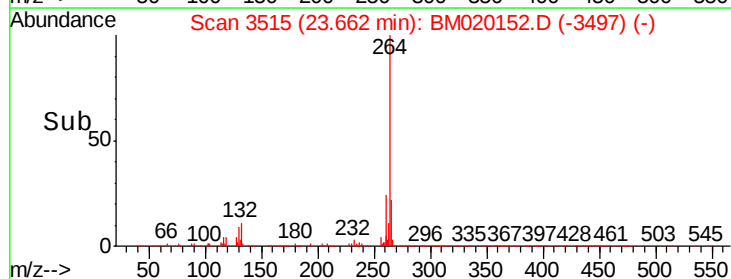
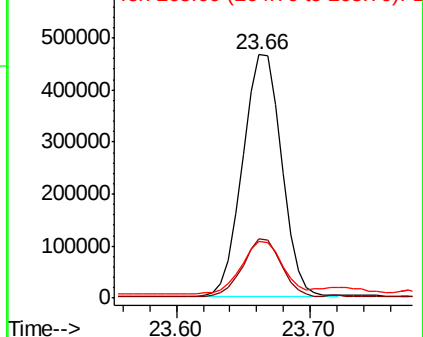


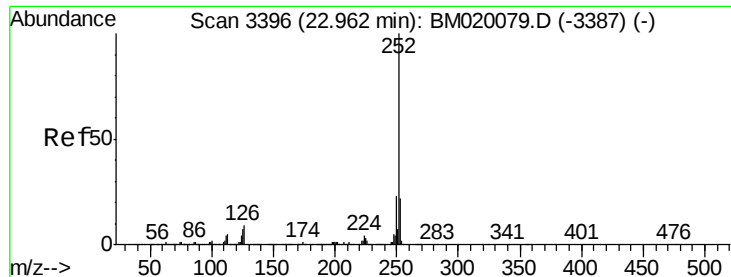
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 24.215 ng

RT: 22.97 min Scan# 3397

Delta R.T. 0.01 min

Lab File: BM020152.D

Acq: 07 May 2019 04:03

Instrument :

BNA_M

ClientSampleId :

SB-16-COMP

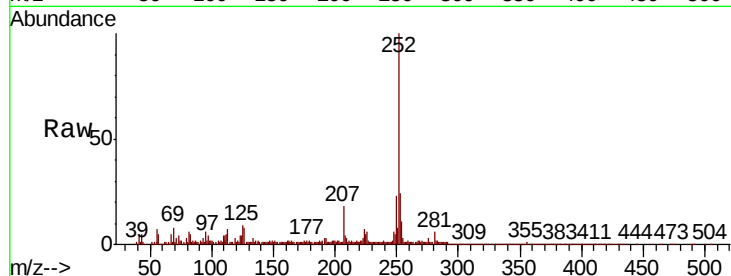
Tgt Ion:252 Resp: 1508518

Ion Ratio Lower Upper

252 100

253 23.9 17.5 26.3

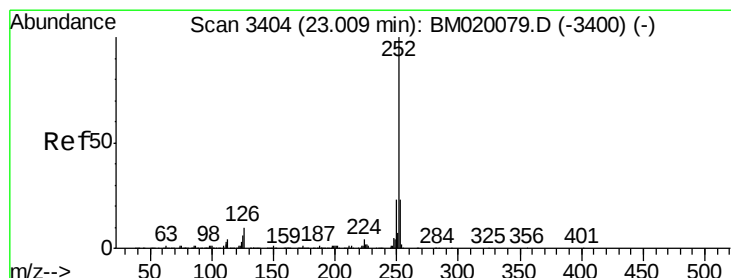
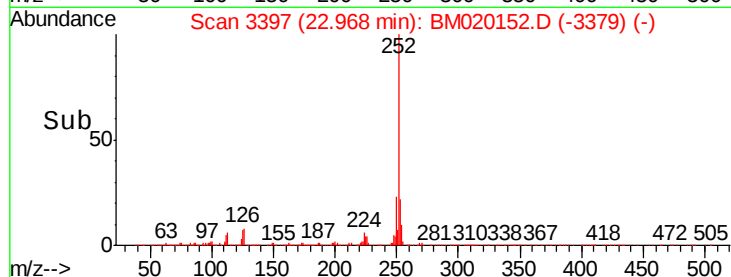
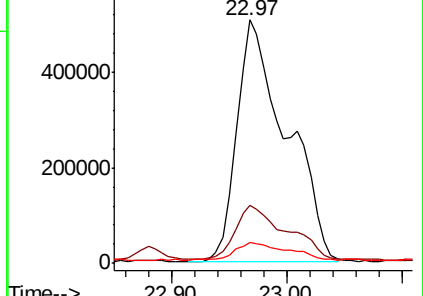
125 8.7 5.4 8.2#



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: 26.453 ng

RT: 22.97 min Scan# 3397

Delta R.T. -0.04 min

Lab File: BM020152.D

Acq: 07 May 2019 04:03

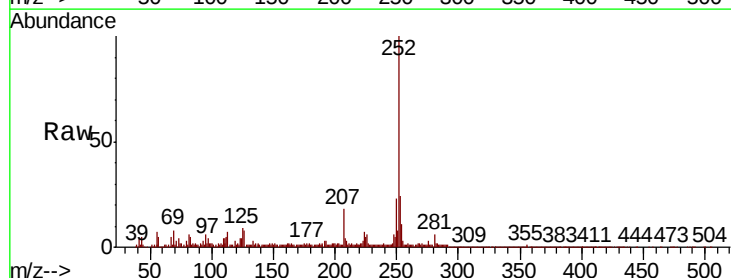
Tgt Ion:252 Resp: 1503218

Ion Ratio Lower Upper

252 100

253 23.9 17.8 26.8

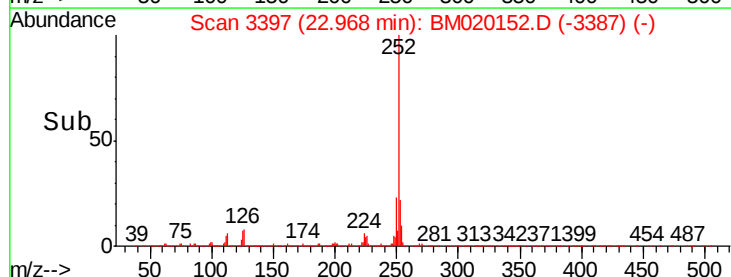
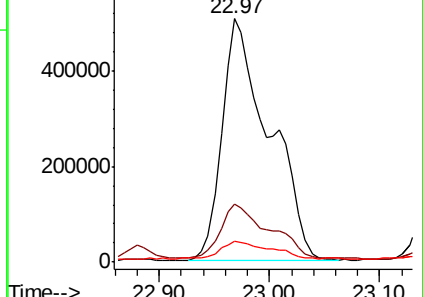
125 8.7 5.4 8.0#

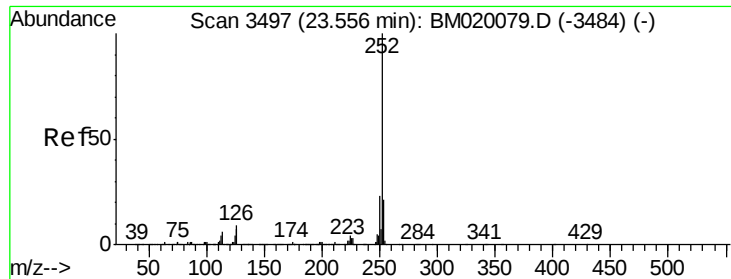


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 13.251 ng

RT: 23.56 min Scan# 3498

Delta R.T. 0.01 min

Lab File: BM020152.D

Acq: 07 May 2019 04:03

Instrument :

BNA_M

ClientSampleId :

SB-16-COMP

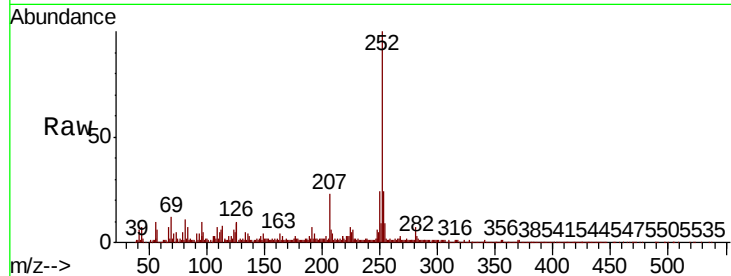
Tgt Ion:252 Resp: 749794

Ion Ratio Lower Upper

252 100

253 24.4 17.0 25.6

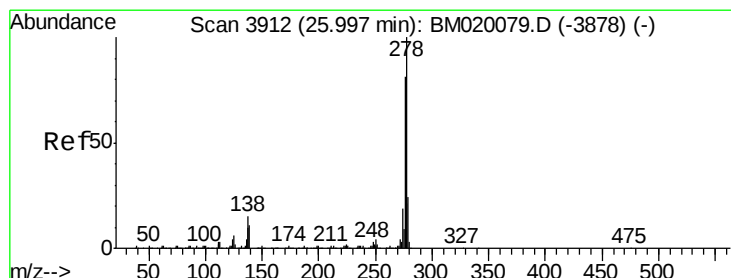
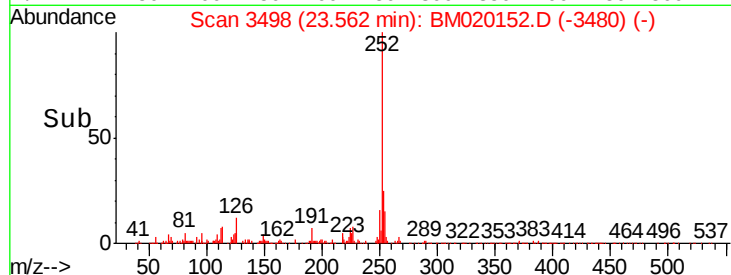
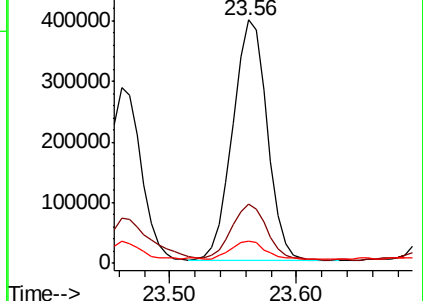
125 9.2 5.5 8.3#



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: 2.649 ng

RT: 26.01 min Scan# 3914

Delta R.T. 0.01 min

Lab File: BM020152.D

Acq: 07 May 2019 04:03

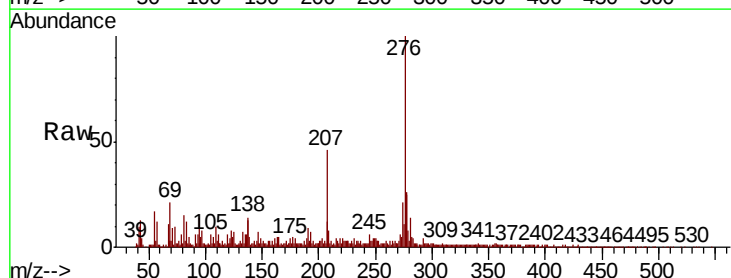
Tgt Ion:278 Resp: 155883

Ion Ratio Lower Upper

278 100

139 20.6 8.6 13.0#

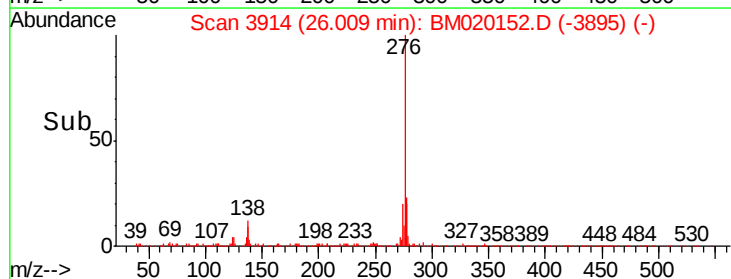
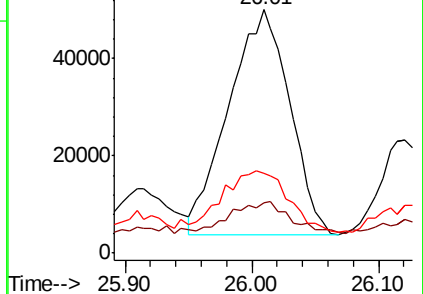
279 33.0 18.8 28.2#

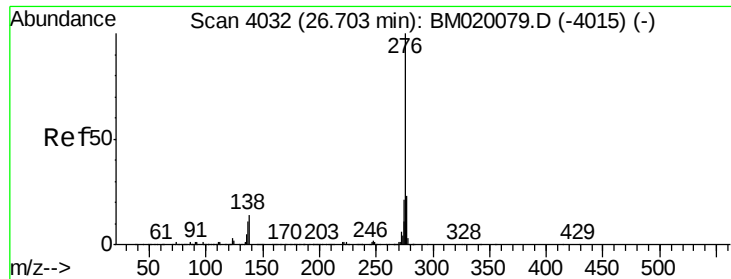


Abundance Ion 278.00 (277.70 to 278.70): E

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: 9.498 ng

RT: 26.72 min Scan# 4035

Delta R.T. 0.02 min

Lab File: BM020152.D

Acq: 07 May 2019 04:03

Instrument :

BNA_M

ClientSampleId :

SB-16-COMP

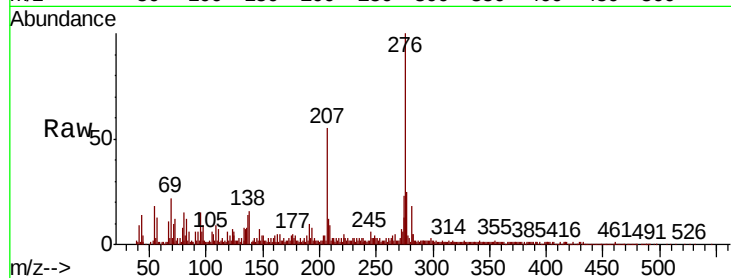
Tgt Ion:276 Resp: 530663

Ion Ratio Lower Upper

276 100

277 25.4 18.4 27.6

138 15.6 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

