

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM050619\
 Data File : BM020143.D
 Acq On : 06 May 2019 19:38
 Operator : JU/SJ
 Sample : K2673-16
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SP-02-COMP

Quant Time: May 07 03:32:15 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	141868	20.00	ng	0.00
21) Naphthalene-d8	10.59	136	513641	20.00	ng	0.00
39) Acenaphthene-d10	14.43	164	310187	20.00	ng	0.00
64) Phenanthrene-d10	17.18	188	733393	20.00	ng	0.00
76) Chrysene-d12	21.37	240	717664	20.00	ng	0.00
87) Perylene-d12	23.66	264	834221	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	1079365	124.36	ng	0.00
7) Phenol-d6	6.96	99	1536595	129.60	ng	0.00
23) Nitrobenzene-d5	8.96	82	1066057	81.94	ng	0.00
42) 2,4,6-Tribromophenol	15.93	330	662640	137.63	ng	0.00
45) 2-Fluorobiphenyl	13.05	172	1899811	75.36	ng	0.00
79) Terphenyl-d14	19.81	244	2876653	69.91	ng	0.00

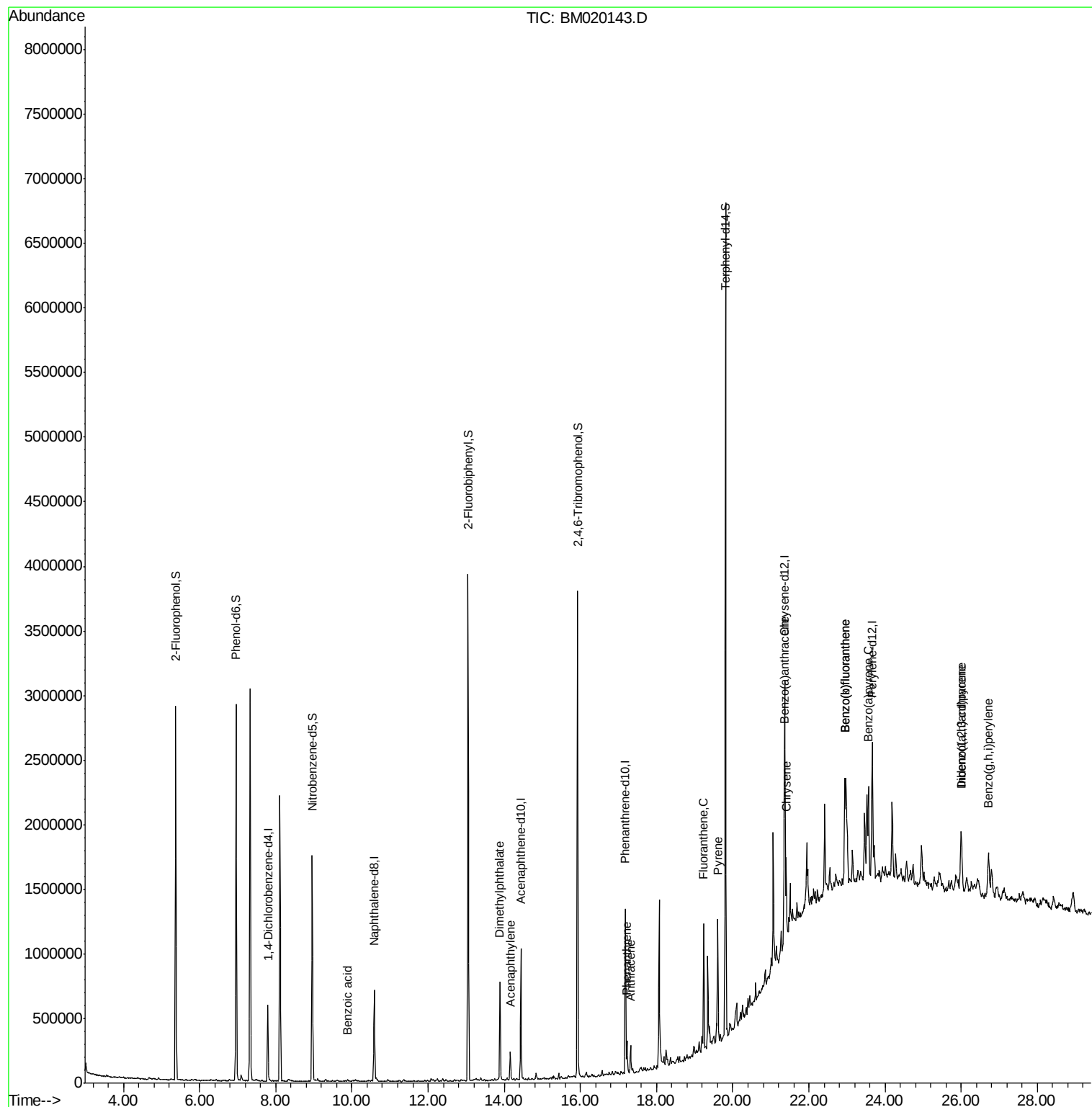
Target Compounds				Qvalue		
32) Benzoic acid	9.89	122	114	6.631	ng	# 1
49) Acenaphthylene	14.16	152	156733	4.804	ng	98
50) Dimethylphthalate	13.89	163	423030	16.046	ng	99
71) Phenanthrene	17.22	178	140030	3.459	ng	99
72) Anthracene	17.32	178	133317	3.294	ng	98
75) Fluoranthene	19.24	202	548110	10.701	ng	99
78) Pyrene	19.60	202	573796	11.909	ng	99
81) Benzo(a)anthracene	21.35	228	411264	8.171	ng	95
83) Chrysene	21.40	228	371669	7.614	ng	96
86) Indeno(1,2,3-cd)pyrene	26.00	276	423905	7.301	ng	# 100
88) Benzo(b)fluoranthene	22.97	252	950771	17.259	ng	# 96
89) Benzo(k)fluoranthene	22.97	252	948214	18.870	ng	# 96
90) Benzo(a)pyrene	23.56	252	504667	10.086	ng	# 93
91) Dibenzo(a,h)anthracene	26.01	278	110014	2.114	ng	# 73
92) Benzo(g,h,i)perylene	26.72	276	443792	8.983	ng	98

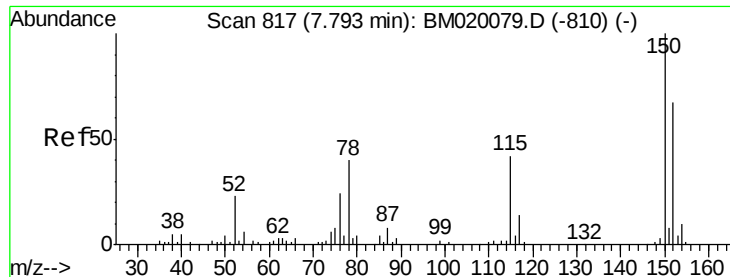
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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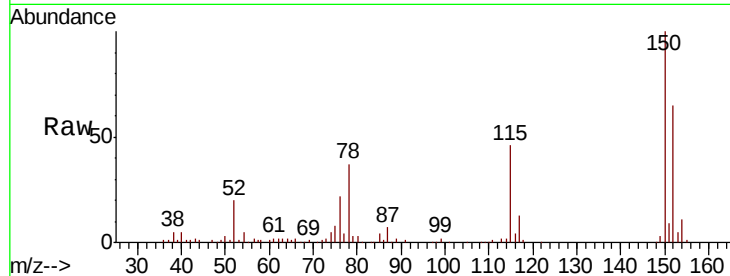


#1

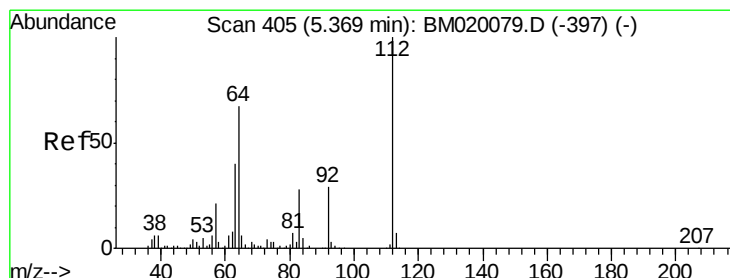
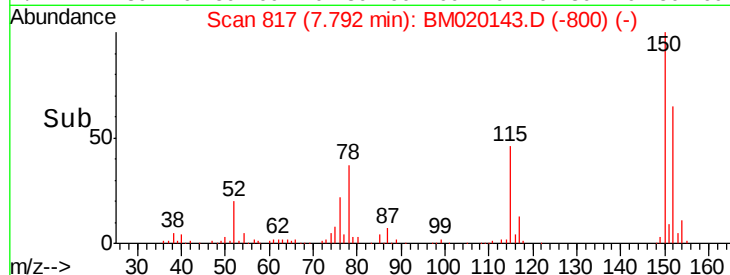
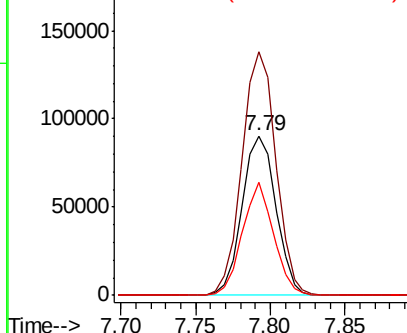
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.79 min Scan# 817
Delta R.T. -0.00 min
Lab File: BM020143.D
Acq: 06 May 2019 19:38

Instrument :
BNA_M
ClientSampleId :
SP-02-COMP

Tgt Ion:152 Resp: 141868
Ion Ratio Lower Upper
152 100
150 153.0 119.8 179.8
115 70.9 50.8 76.2



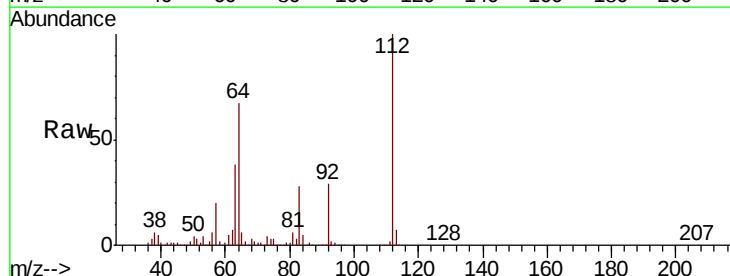
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



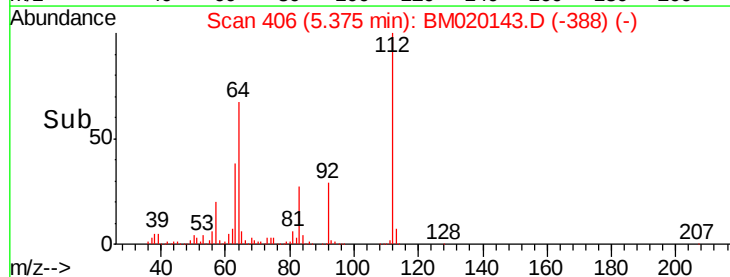
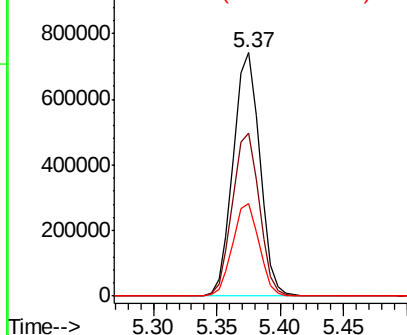
#5

2-Fluorophenol
Concen: 124.364 ng
RT: 5.37 min Scan# 406
Delta R.T. 0.01 min
Lab File: BM020143.D
Acq: 06 May 2019 19:38

Tgt Ion:112 Resp: 1079365
Ion Ratio Lower Upper
112 100
64 67.2 53.8 80.6
63 38.1 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: 129.595 ng

RT: 6.96 min Scan# 675

Delta R.T. 0.01 min

Lab File: BM020143.D

Acq: 06 May 2019 19:38

Instrument :

BNA_M

ClientSampleId :

SP-02-COMP

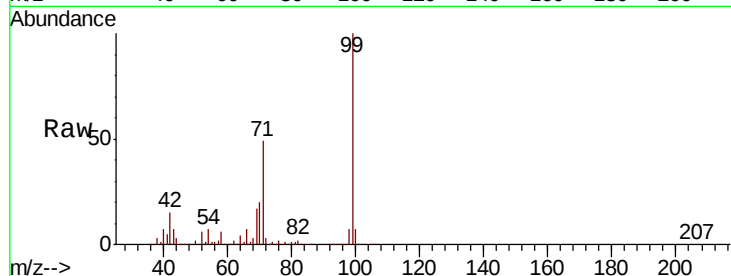
Tgt Ion: 99 Resp: 1536595

Ion Ratio Lower Upper

99 100

42 15.3 14.2 21.2

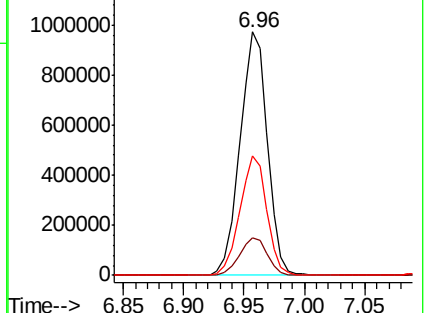
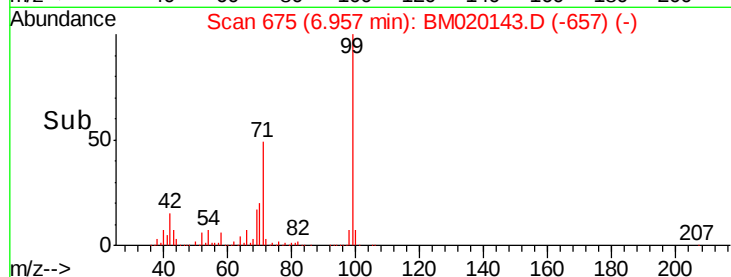
71 49.3 40.3 60.5



Abundance Ion 99.00 (98.70 to 99.70): BM020143.D (-657) (-)

Ion 42.00 (41.70 to 42.70): BM020143.D (-657) (-)

Ion 71.00 (70.70 to 71.70): BM020143.D (-657) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.59 min Scan# 1292

Delta R.T. -0.00 min

Lab File: BM020143.D

Acq: 06 May 2019 19:38

Tgt Ion: 136 Resp: 513641

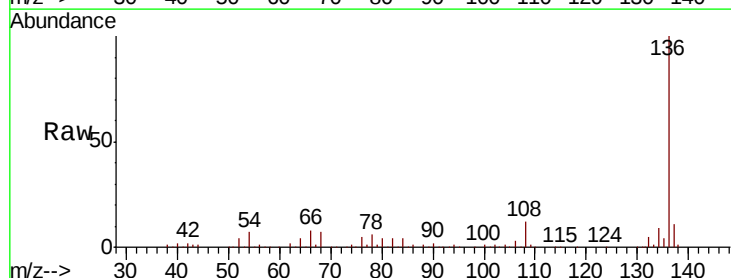
Ion Ratio Lower Upper

136 100

137 10.8 9.6 14.4

54 6.5 5.5 8.3

68 6.5 4.6 6.8

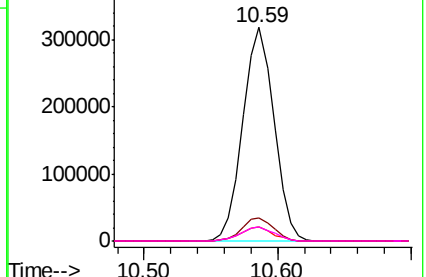
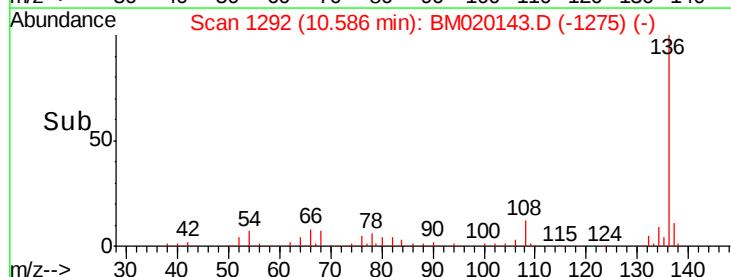


Abundance Ion 136.00 (135.70 to 136.70): BM020143.D (-1275) (-)

Ion 137.00 (136.70 to 137.70): BM020143.D (-1275) (-)

Ion 54.00 (53.70 to 54.70): BM020143.D (-1275) (-)

Ion 68.00 (67.70 to 68.70): BM020143.D (-1275) (-)

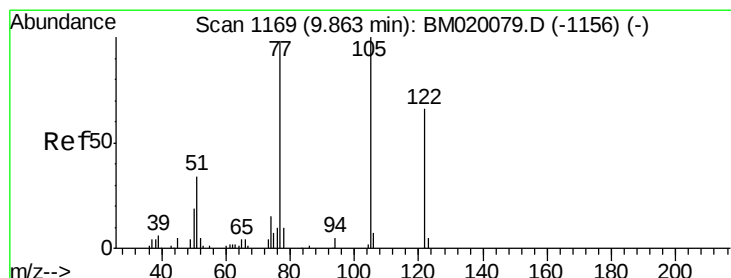
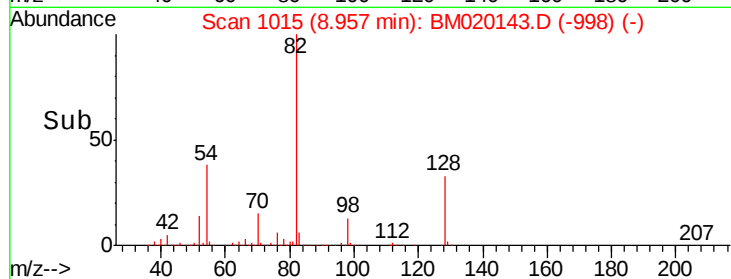
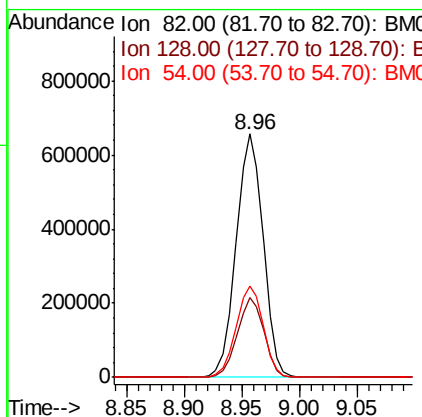
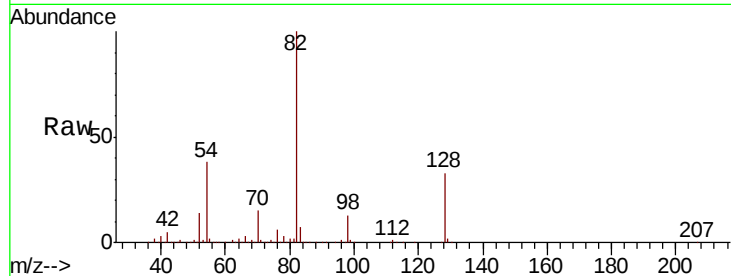




#23
 Nitrobenzene-d5
 Concen: 81.941 ng
 RT: 8.96 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: BM020143.D
 Acq: 06 May 2019 19:38

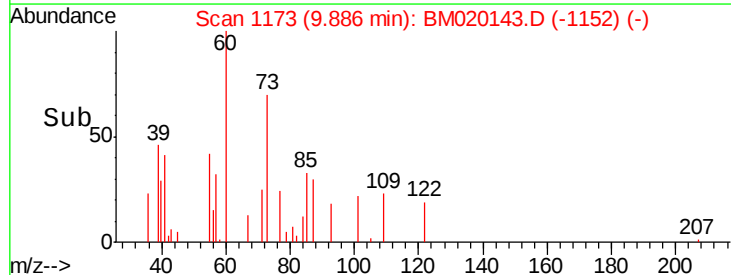
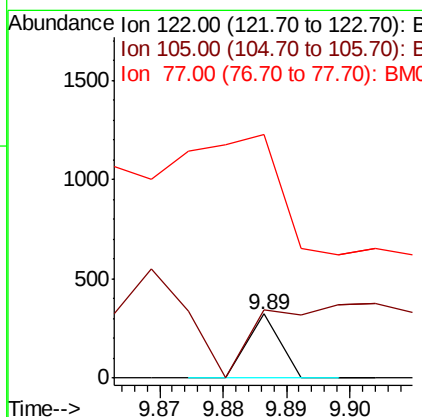
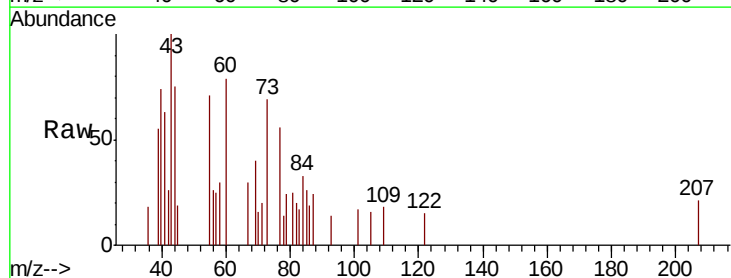
Instrument :
 BNA_M
 ClientSampleId :
 SP-02-COMP

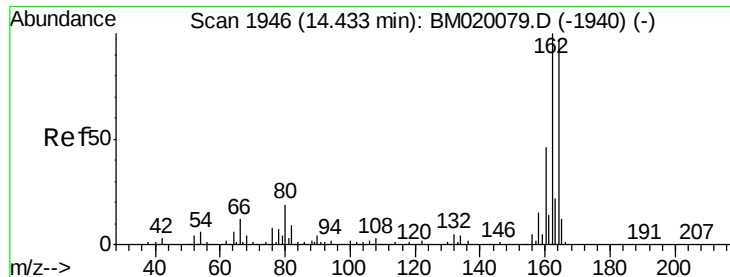
Tgt Ion: 82 Resp: 1066057
 Ion Ratio Lower Upper
 82 100
 128 32.8 25.2 37.8
 54 37.7 31.9 47.9



#32
 Benzoic acid
 Concen: 6.631 ng
 RT: 9.89 min Scan# 1173
 Delta R.T. 0.02 min
 Lab File: BM020143.D
 Acq: 06 May 2019 19:38

Tgt Ion: 122 Resp: 114
 Ion Ratio Lower Upper
 122 100
 105 105.9 122.5 162.5#
 77 379.9 123.3 163.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.43 min Scan# 1946

Delta R.T. -0.00 min

Lab File: BM020143.D

Acq: 06 May 2019 19:38

Instrument :

BNA_M

ClientSampleId :

SP-02-COMP

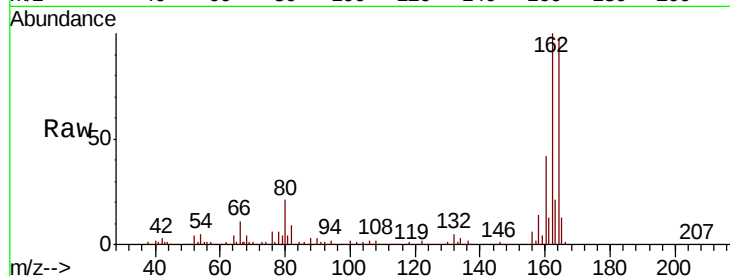
Tgt Ion:164 Resp: 310187

Ion Ratio Lower Upper

164 100

162 103.3 82.2 123.2

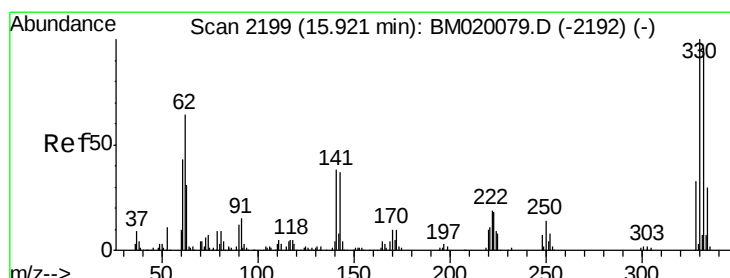
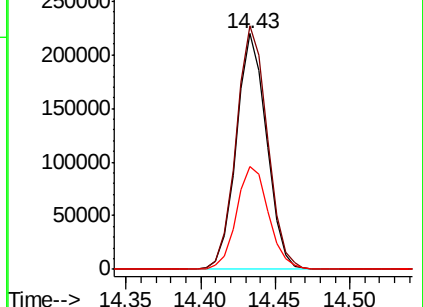
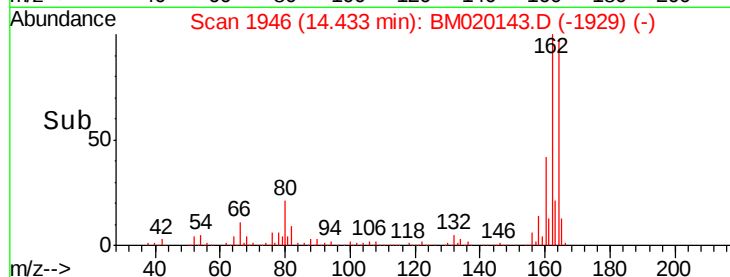
160 43.4 37.6 56.4



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: 137.629 ng

RT: 15.93 min Scan# 2200

Delta R.T. 0.01 min

Lab File: BM020143.D

Acq: 06 May 2019 19:38

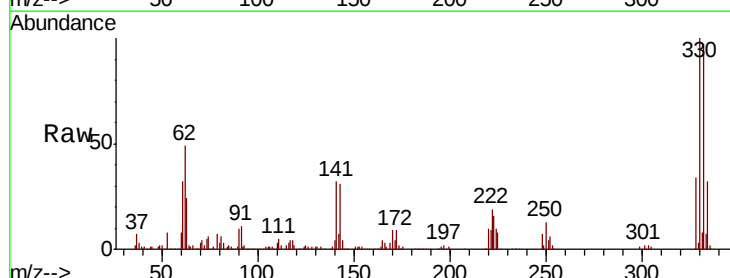
Tgt Ion:330 Resp: 662640

Ion Ratio Lower Upper

330 100

332 96.9 76.8 115.2

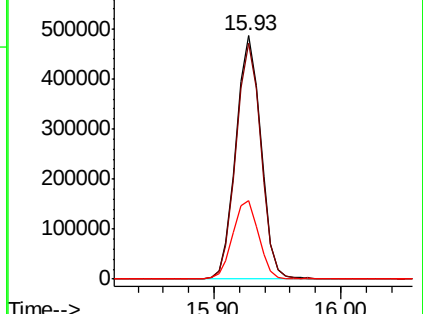
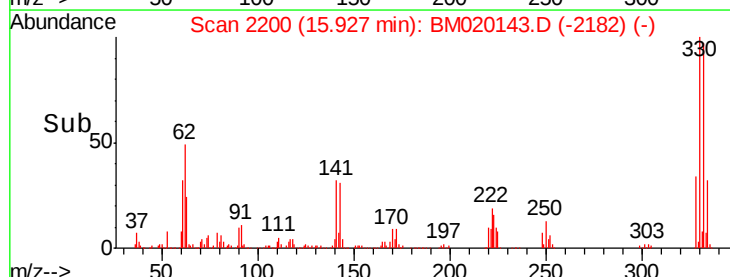
141 33.1 29.2 43.8

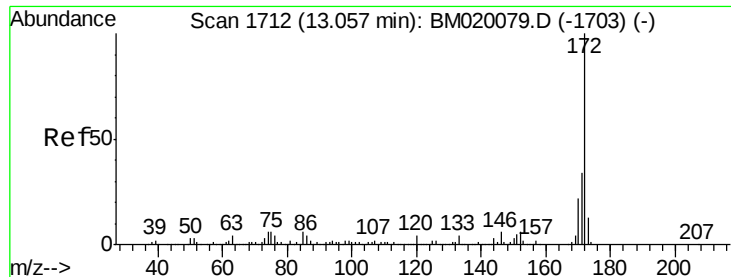


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

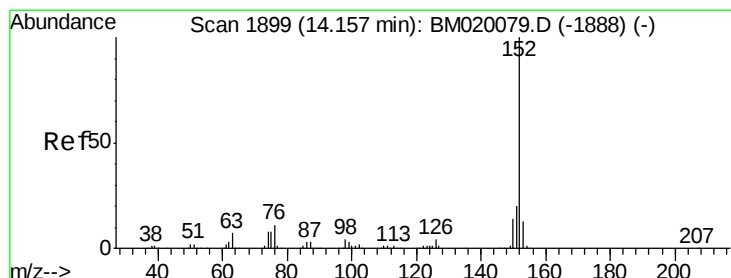
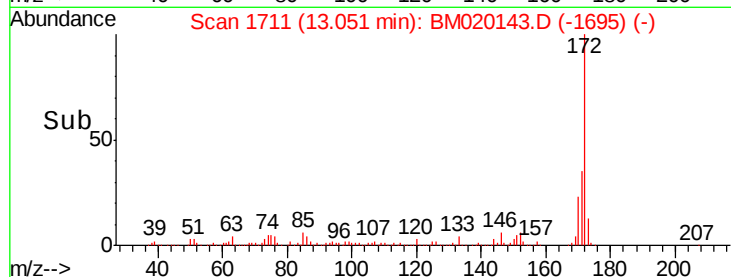
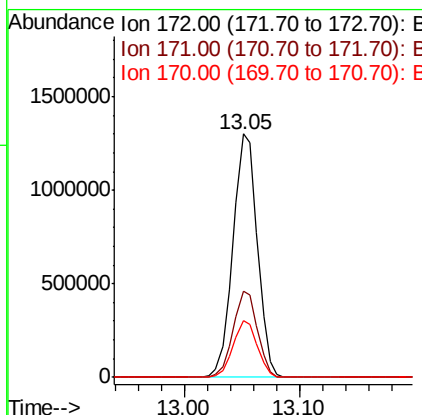
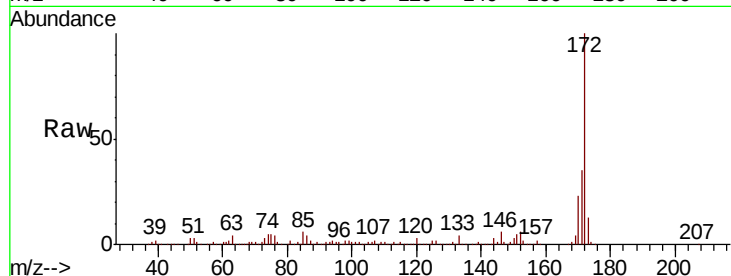




#45
2-Fluorobiphenyl
Concen: 75.356 ng
RT: 13.05 min Scan# 1711
Delta R.T. -0.01 min
Lab File: BM020143.D
Acq: 06 May 2019 19:38

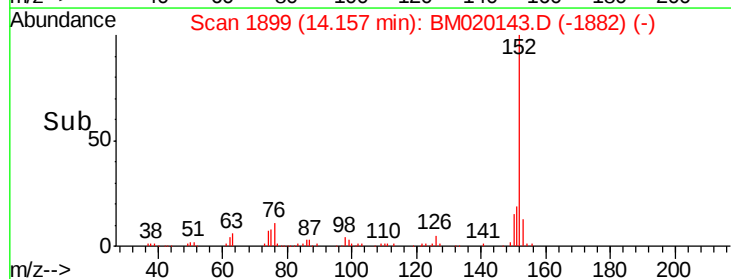
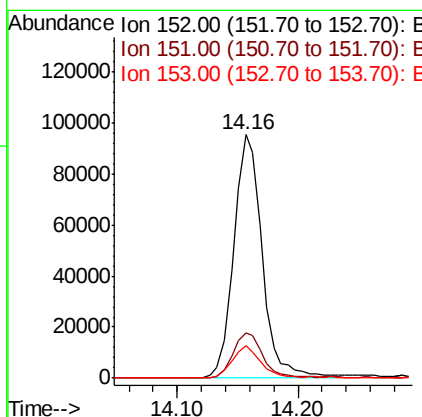
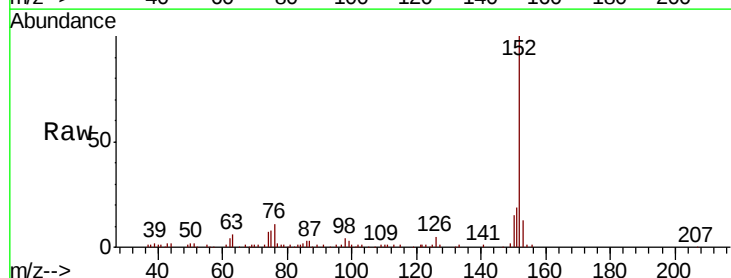
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SP-02-COMP

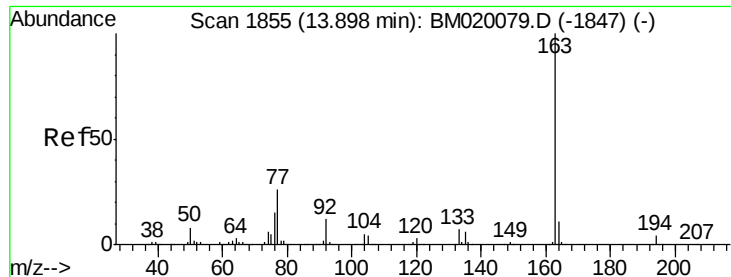
Tgt Ion:172 Resp: 1899811
Ion Ratio Lower Upper
172 100
171 35.3 27.3 40.9
170 23.1 17.9 26.9



#49
Acenaphthylene
Concen: 4.804 ng
RT: 14.16 min Scan# 1899
Delta R.T. -0.00 min
Lab File: BM020143.D
Acq: 06 May 2019 19:38

Tgt Ion:152 Resp: 156733
Ion Ratio Lower Upper
152 100
151 18.6 16.2 24.2
153 13.4 10.6 16.0





#50

Dimethylphthalate

Concen: 16.046 ng

RT: 13.89 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BM020143.D

Acq: 06 May 2019 19:38

Instrument :

BNA_M

ClientSampleId :

SP-02-COMP

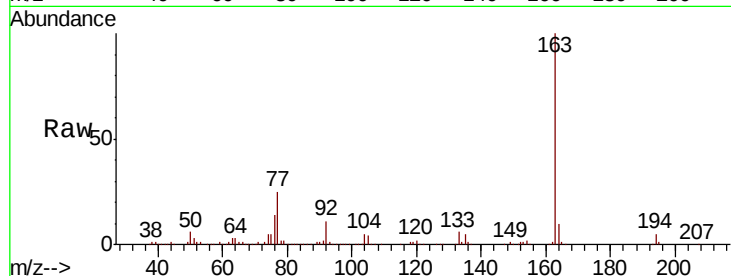
Tgt Ion:163 Resp: 423030

Ion Ratio Lower Upper

163 100

194 4.6 3.6 5.4

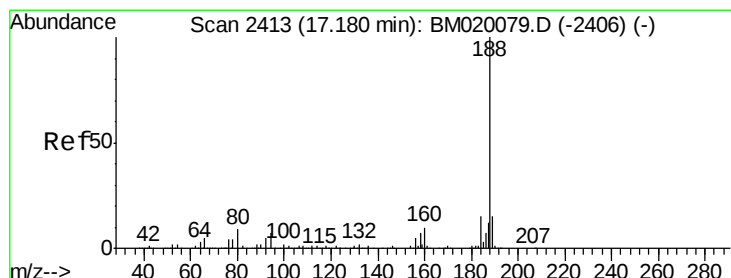
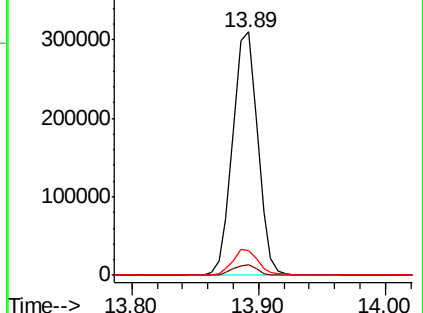
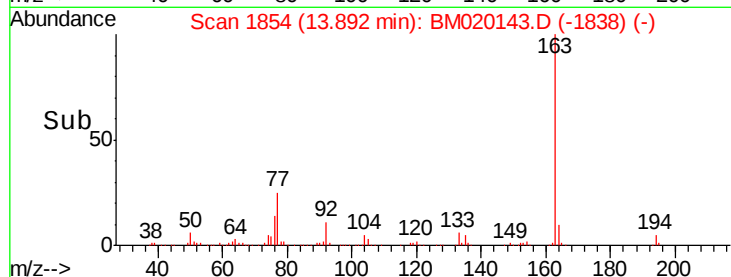
164 10.0 8.4 12.6



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: BM020143.D

Acq: 06 May 2019 19:38

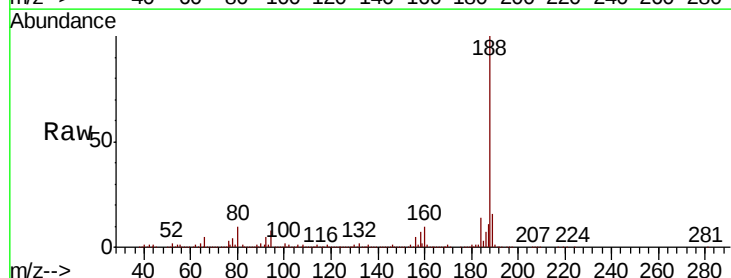
Tgt Ion:188 Resp: 733393

Ion Ratio Lower Upper

188 100

94 8.2 5.8 8.6

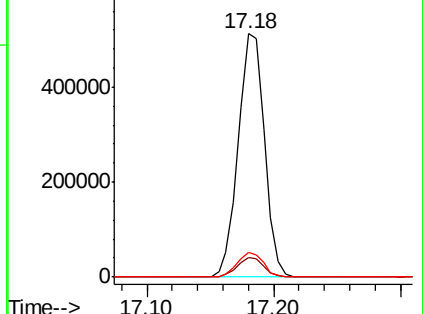
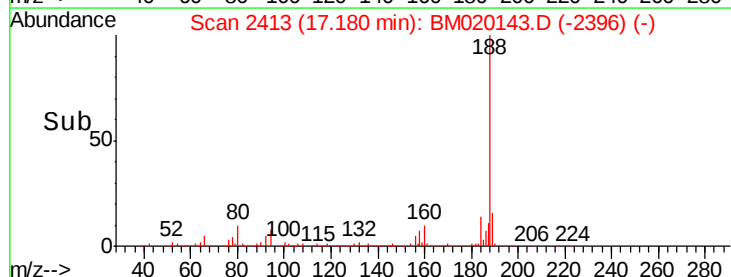
80 10.4 7.4 11.2

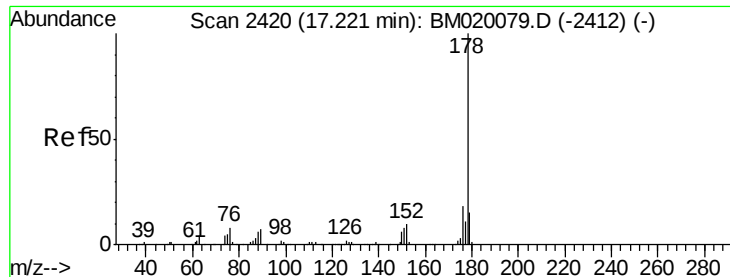


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

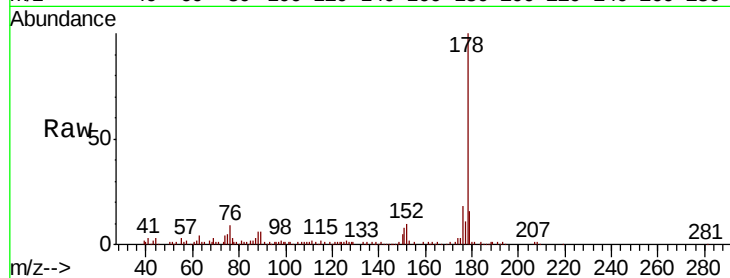




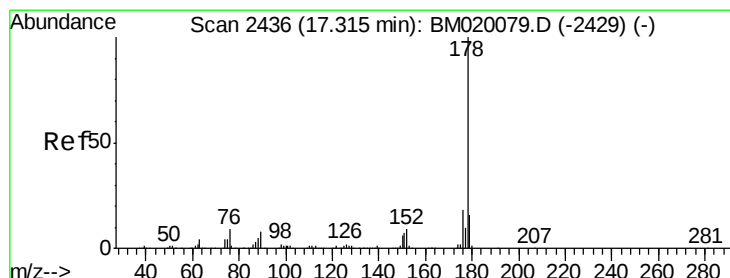
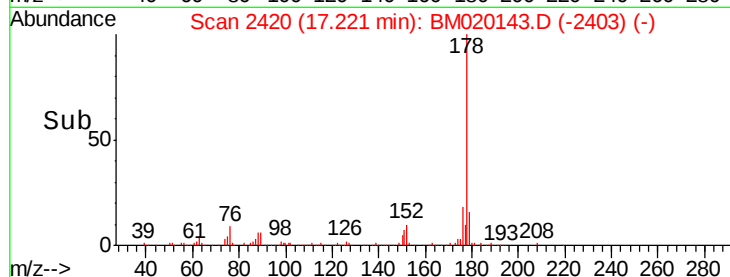
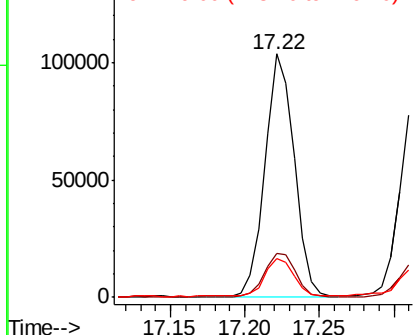
#71
Phenanthrene
Concen: 3.459 ng
RT: 17.22 min Scan# 2420
Delta R.T. -0.00 min
Lab File: BM020143.D
Acq: 06 May 2019 19:38

Instrument :
BNA_M
ClientSampleId :
SP-02-COMP

Tgt Ion:178 Resp: 140030
Ion Ratio Lower Upper
178 100
176 18.3 14.6 21.8
179 15.9 12.4 18.6

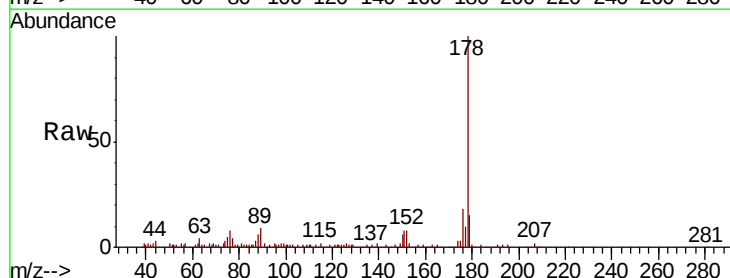


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

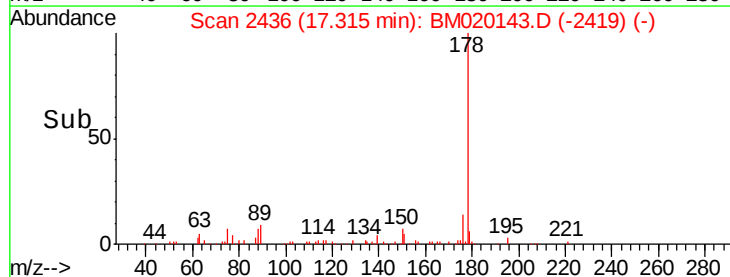
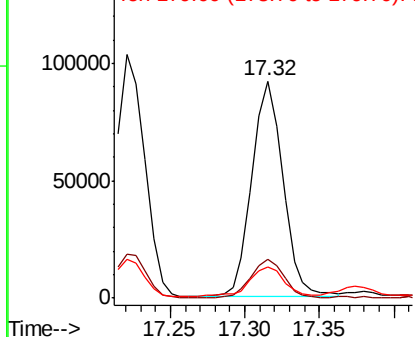


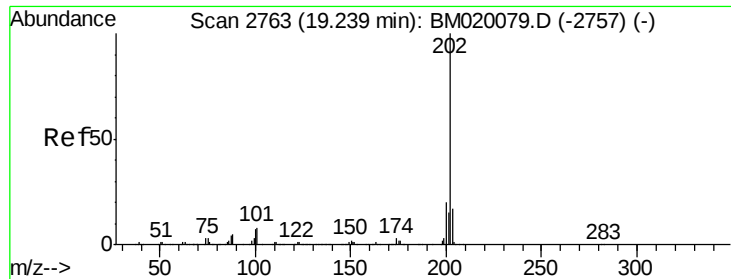
#72
Anthracene
Concen: 3.294 ng
RT: 17.32 min Scan# 2436
Delta R.T. -0.00 min
Lab File: BM020143.D
Acq: 06 May 2019 19:38

Tgt Ion:178 Resp: 133317
Ion Ratio Lower Upper
178 100
176 17.8 14.6 22.0
179 14.5 12.4 18.6



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





#75

Fluoranthene

Concen: 10.701 ng

RT: 19.24 min Scan# 2763

Delta R.T. -0.00 min

Lab File: BM020143.D

Acq: 06 May 2019 19:38

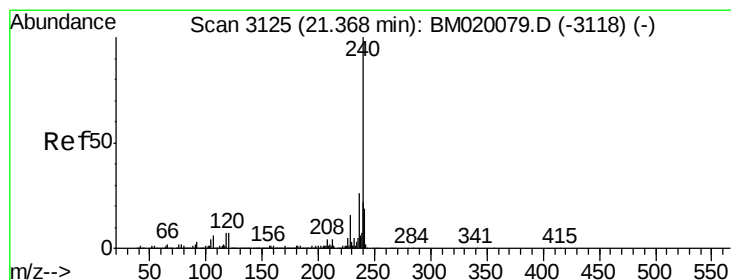
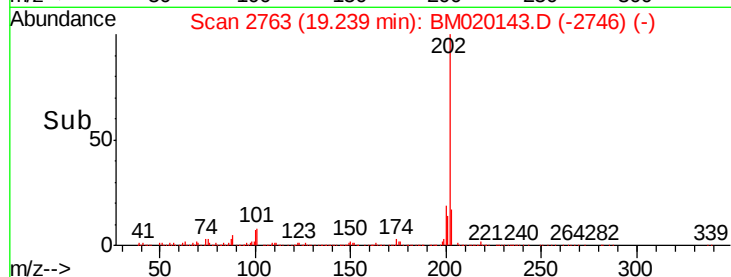
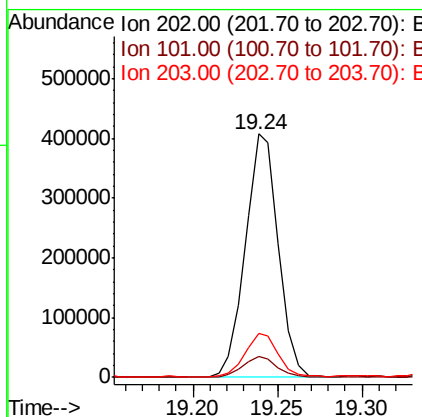
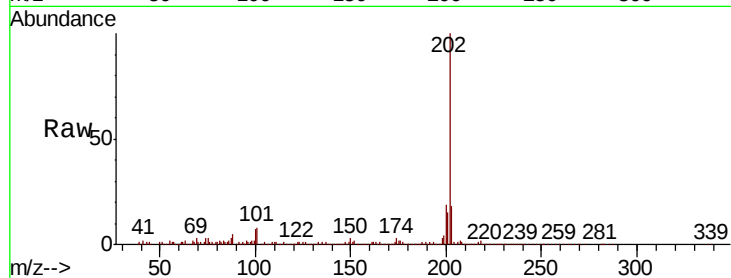
Instrument :

BNA_M

ClientSampleId :

SP-02-COMP

Tgt Ion:	202	Resp:	548110
Ion	Ratio	Lower	Upper
202	100		
101	8.4	0.0	28.4
203	17.9	0.0	37.4



#76

Chrysene-d12

Concen: 20.000 ng

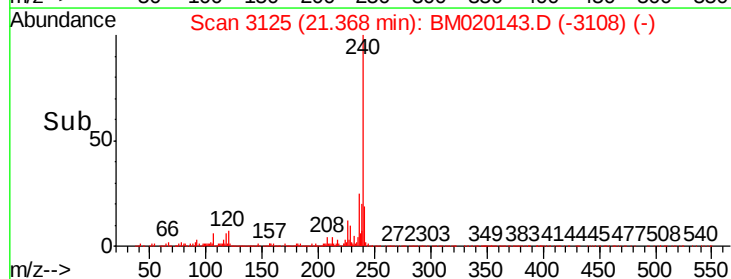
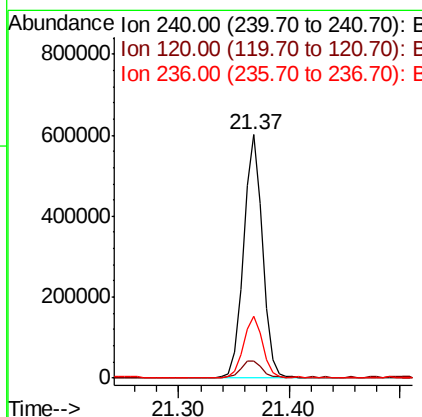
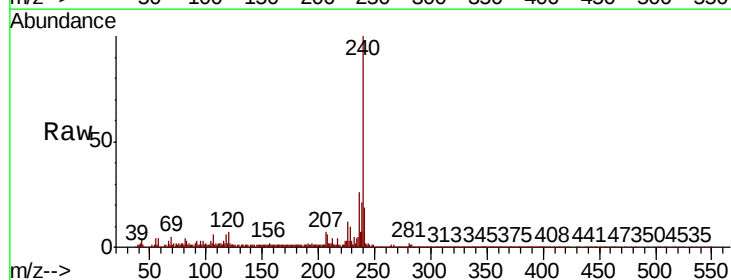
RT: 21.37 min Scan# 3125

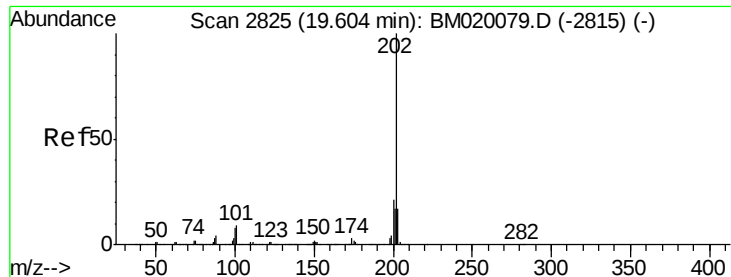
Delta R.T. -0.00 min

Lab File: BM020143.D

Acq: 06 May 2019 19:38

Tgt Ion:	240	Resp:	717664
Ion	Ratio	Lower	Upper
240	100		
120	7.2	5.6	8.4
236	25.5	20.9	31.3

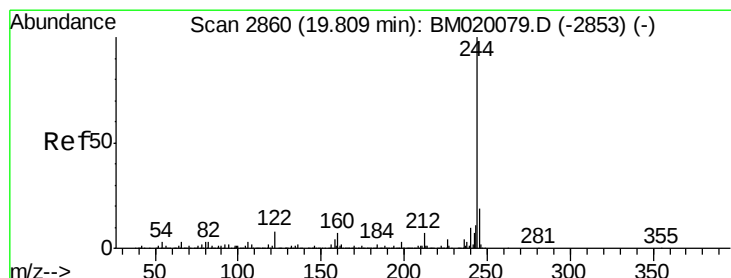
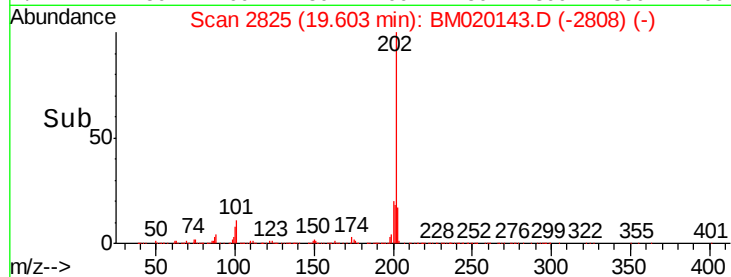
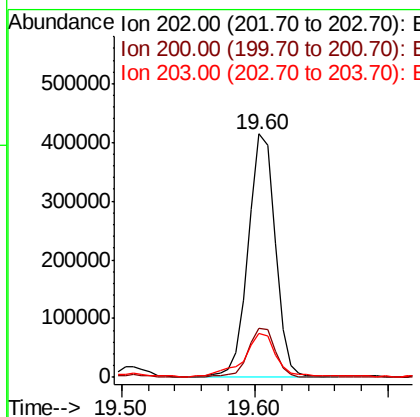
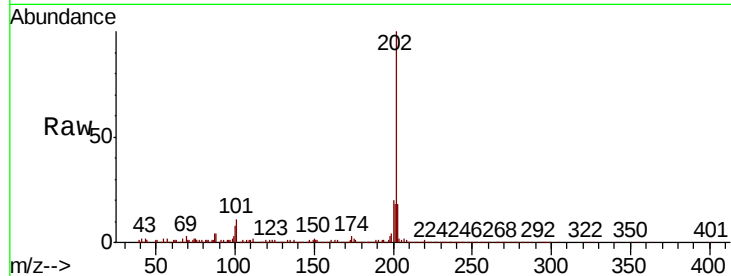




#78
 Pyrene
 Concen: 11.909 ng
 RT: 19.60 min Scan# 2825
 Delta R.T. -0.00 min
 Lab File: BM020143.D
 Acq: 06 May 2019 19:38

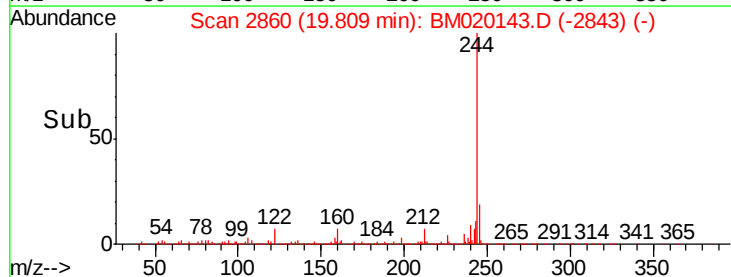
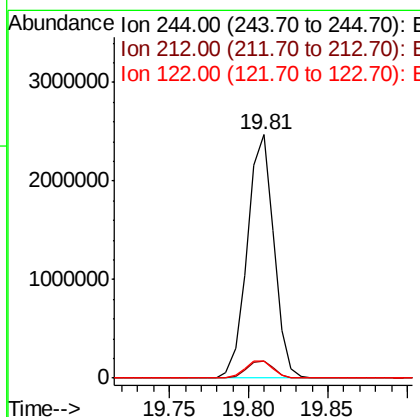
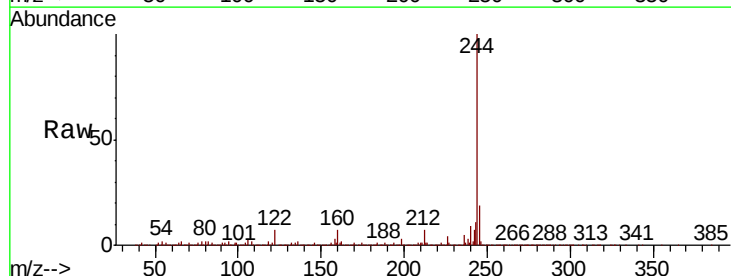
Instrument :
 BNA_M
 ClientSampleId :
 SP-02-COMP

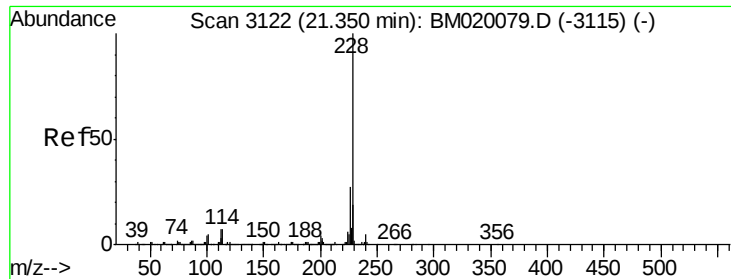
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.5	24.7
203	17.8	13.9	20.9



#79
 Terphenyl-d14
 Concen: 69.915 ng
 RT: 19.81 min Scan# 2860
 Delta R.T. -0.00 min
 Lab File: BM020143.D
 Acq: 06 May 2019 19:38

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	7.1	6.2	9.2

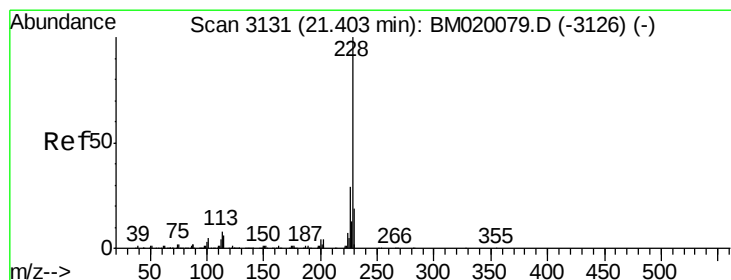
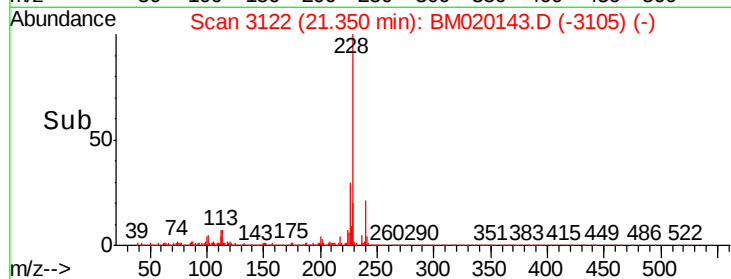
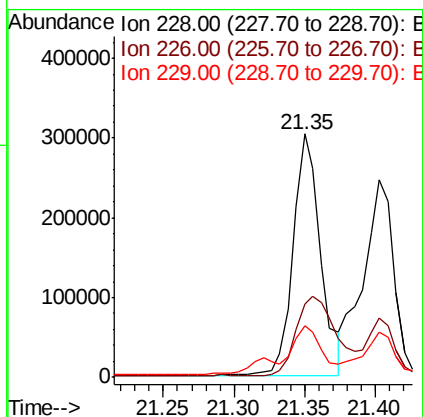
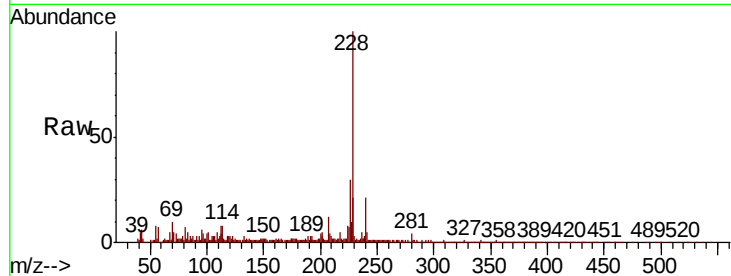




#81
Benzo(a)anthracene
Concen: 8.171 ng
RT: 21.35 min Scan# 3122
Delta R.T. -0.00 min
Lab File: BM020143.D
Acq: 06 May 2019 19:38

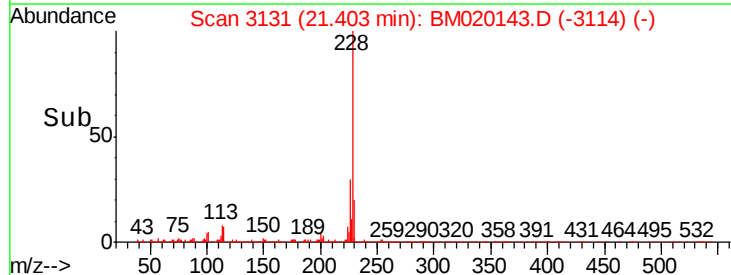
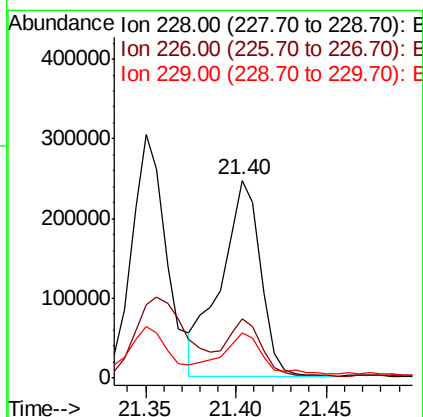
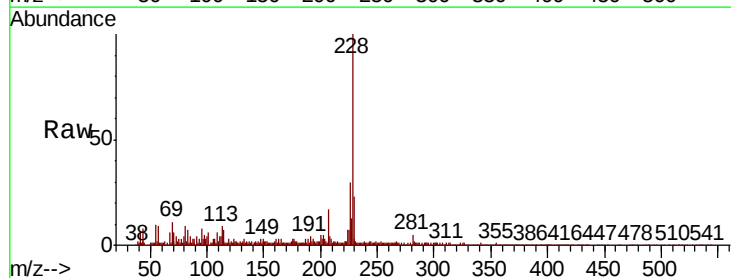
Instrument :
BNA_M
ClientSampleId :
SP-02-COMP

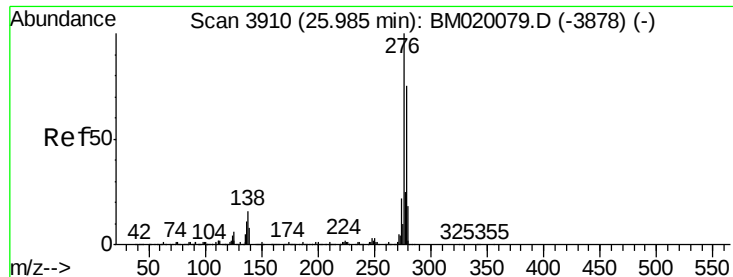
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	21.3	31.9
229	21.1	15.5	23.3



#83
Chrysene
Concen: 7.614 ng
RT: 21.40 min Scan# 3131
Delta R.T. -0.00 min
Lab File: BM020143.D
Acq: 06 May 2019 19:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.0	34.6
229	22.8	15.5	23.3





#86

Indeno(1,2,3-cd)pyrene

Concen: 7.301 ng

RT: 26.00 min Scan# 3912

Delta R.T. 0.01 min

Lab File: BM020143.D

Acq: 06 May 2019 19:38

Instrument :

BNA_M

ClientSampleId :

SP-02-COMP

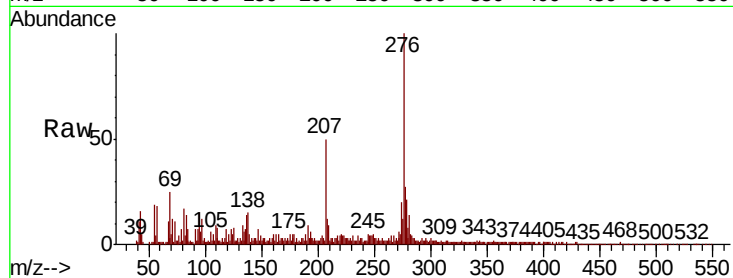
Tgt Ion:276 Resp: 423905

Ion Ratio Lower Upper

276 100

138 14.9 0.0 0.0#

277 24.3 0.0 0.0#

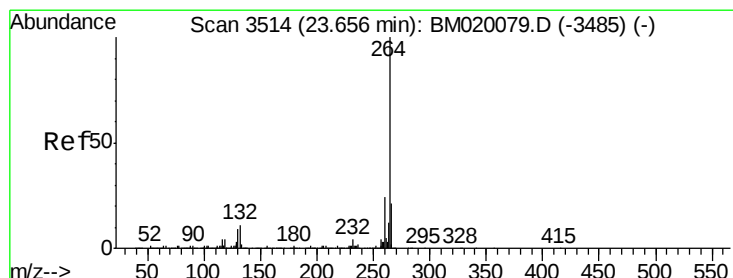
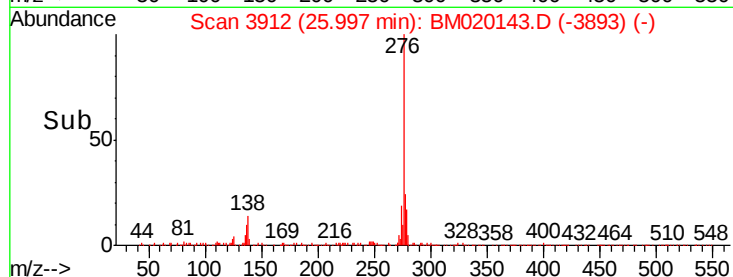
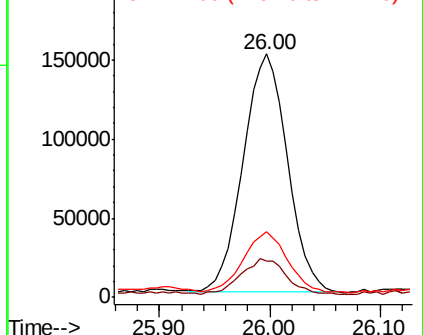


Abundance

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: BM020143.D

Acq: 06 May 2019 19:38

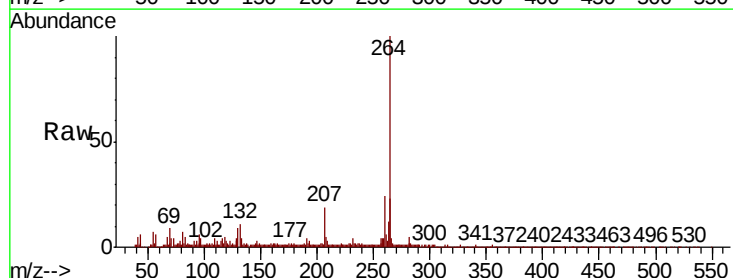
Tgt Ion:264 Resp: 834221

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 22.6 16.9 25.3

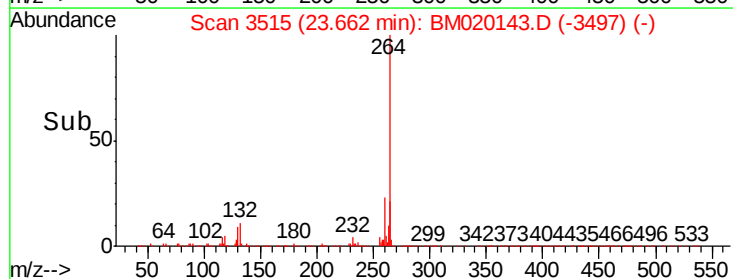
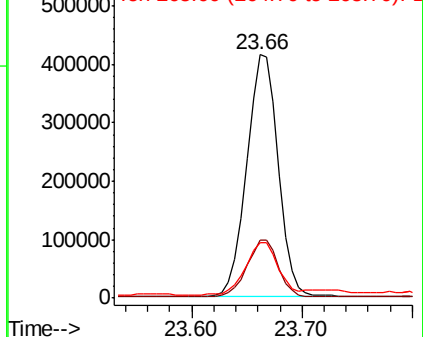


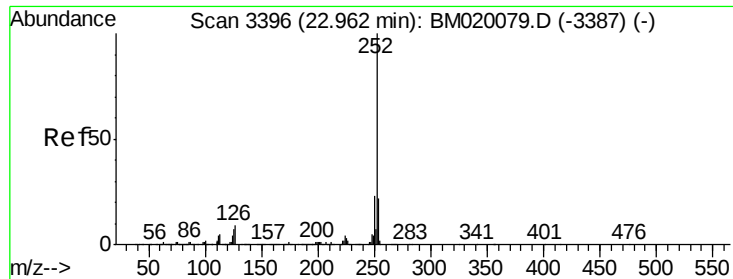
Abundance

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

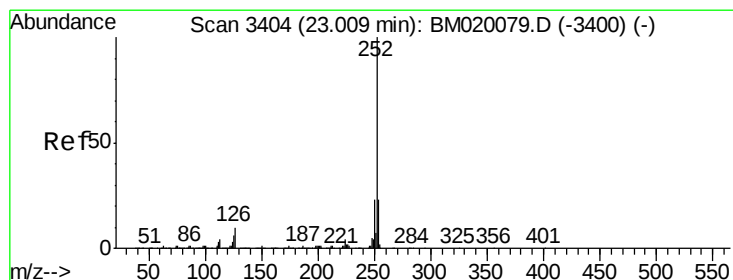
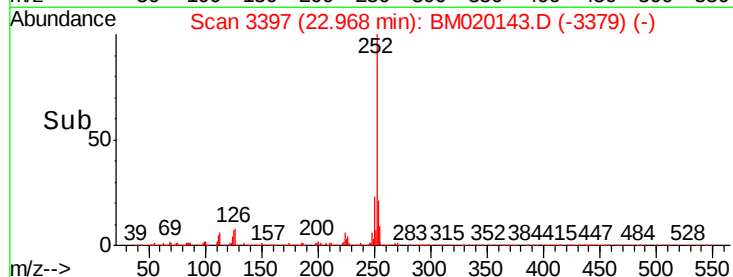
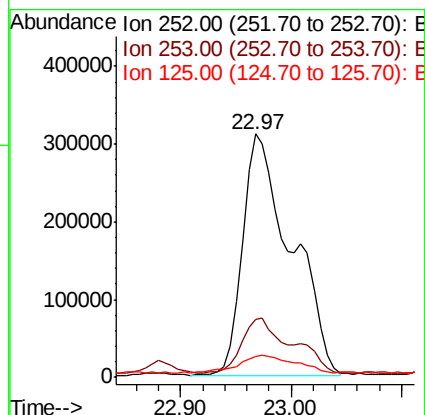
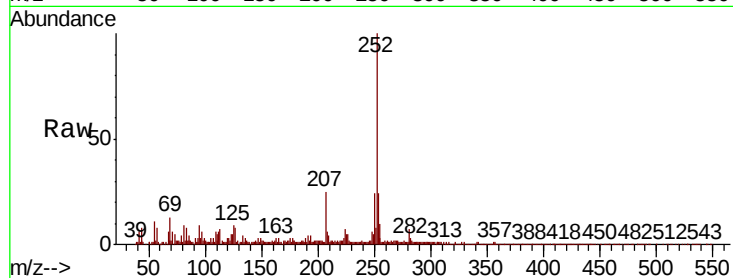




#88
Benzo(b)fluoranthene
Concen: 17.259 ng
RT: 22.97 min Scan# 3397
Delta R.T. 0.01 min
Lab File: BM020143.D
Acq: 06 May 2019 19:38

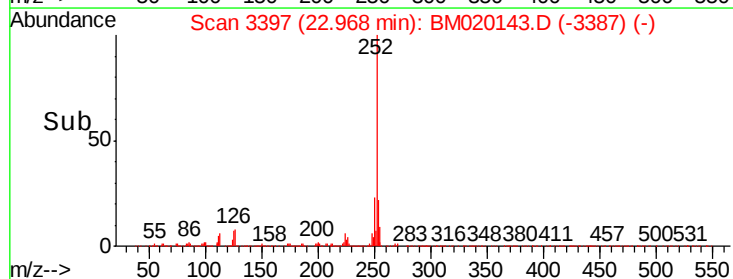
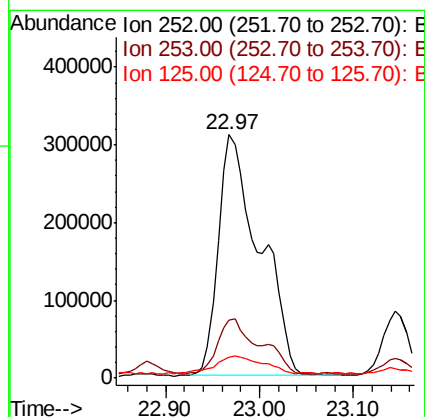
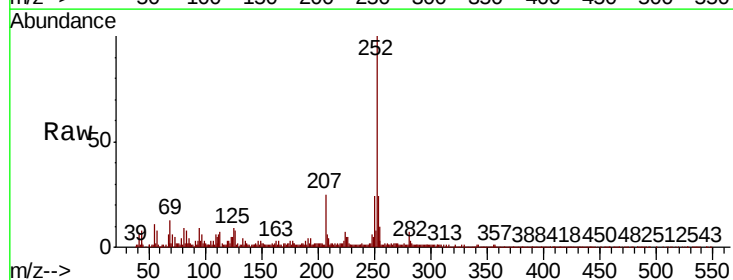
Instrument :
BNA_M
ClientSampleId :
SP-02-COMP

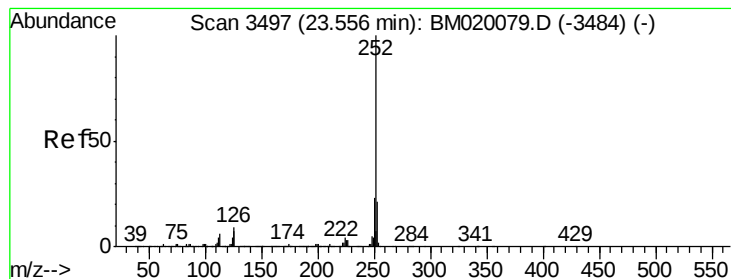
Tgt Ion:252 Resp: 950771
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 8.7 5.4 8.2#



#89
Benzo(k)fluoranthene
Concen: 18.870 ng
RT: 22.97 min Scan# 3397
Delta R.T. -0.04 min
Lab File: BM020143.D
Acq: 06 May 2019 19:38

Tgt Ion:252 Resp: 948214
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 8.7 5.4 8.0#





#90

Benzo(a)pyrene

Concen: 10.086 ng

RT: 23.56 min Scan# 3498

Delta R.T. 0.01 min

Lab File: BM020143.D

Acq: 06 May 2019 19:38

Instrument :

BNA_M

ClientSampleId :

SP-02-COMP

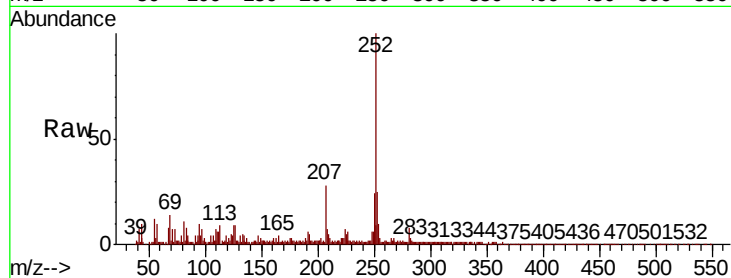
Tgt Ion:252 Resp: 504667

Ion Ratio Lower Upper

252 100

253 24.5 17.0 25.6

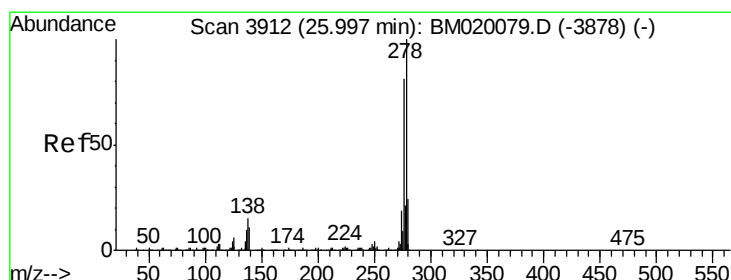
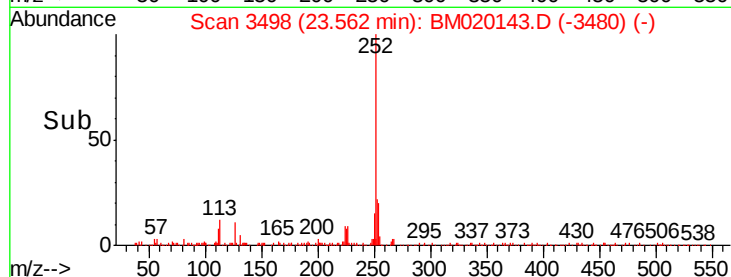
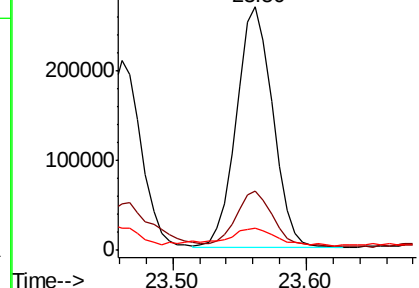
125 9.3 5.5 8.3#



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: 2.114 ng

RT: 26.01 min Scan# 3914

Delta R.T. 0.01 min

Lab File: BM020143.D

Acq: 06 May 2019 19:38

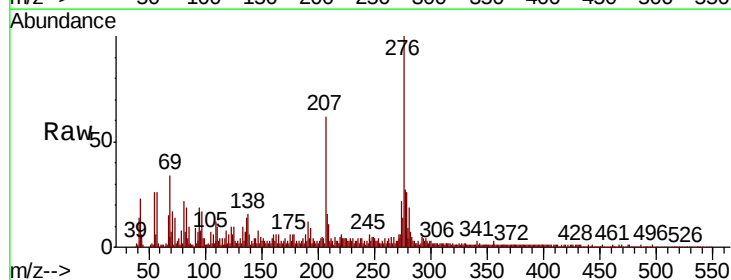
Tgt Ion:278 Resp: 110014

Ion Ratio Lower Upper

278 100

139 22.6 8.6 13.0#

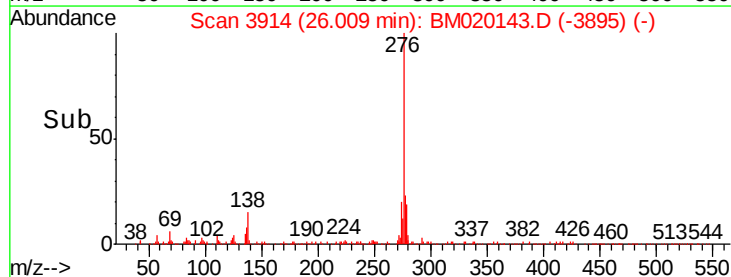
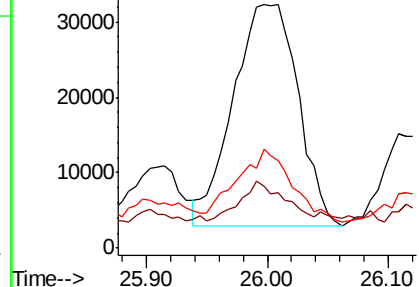
279 36.0 18.8 28.2#

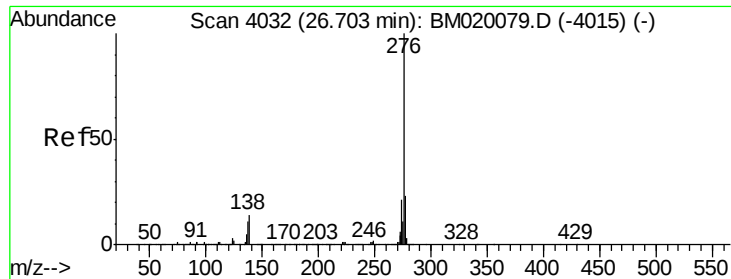


Abundance Ion 278.00 (277.70 to 278.70): E

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: 8.983 ng

RT: 26.72 min Scan# 4035

Delta R.T. 0.02 min

Lab File: BM020143.D

Acq: 06 May 2019 19:38

Instrument :

BNA_M

ClientSampleId :

SP-02-COMP

Tgt Ion: 276 Resp: 443792

Ion Ratio Lower Upper

276 100

277 23.9 18.4 27.6

138 15.2 11.1 16.7

