

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012821\
 Data File : BM028593.D
 Acq On : 28 Jan 2021 18:33
 Operator : CG/JU
 Sample : M1254-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

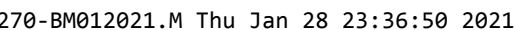
Instrument :
 BNA_M
 ClientSampleId :
 CRT-5

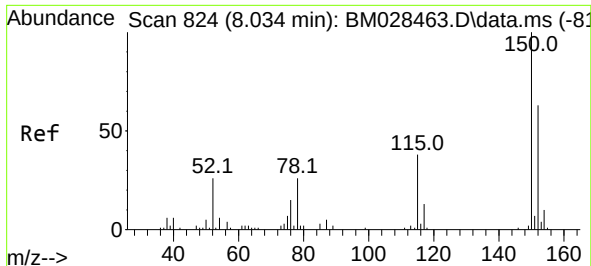
Quant Time: Jan 28 23:36:43 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM012021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 27 13:20:04 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.963	152	34650	20.00	ng	0.00
21) Naphthalene-d8	10.781	136	134427	20.00	ng	# 0.00
39) Acenaphthene-d10	14.616	164	73518	20.00	ng	0.00
64) Phenanthrene-d10	17.351	188	138840	20.00	ng	# 0.00
76) Chrysene-d12	21.486	240	131505	20.00	ng	# 0.00
86) Perylene-d12	23.750	264	135045	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	234000	106.68	ng	-0.02
7) Phenol-d6	7.157	99	294988	98.77	ng	-0.03
23) Nitrobenzene-d5	9.140	82	181834	64.16	ng	-0.01
42) 2,4,6-Tribromophenol	16.104	330	96910	99.49	ng	0.00
45) 2-Fluorobiphenyl	13.233	172	378343	64.57	ng	0.00
79) Terphenyl-d14	19.945	244	426277	58.54	ng	0.00
Target Compounds						Qvalue
10) Phenol	7.181	94	7712	2.74	ng	92
49) Acenaphthylene	14.339	152	58498	7.69	ng	# 96
52) Acenaphthene	14.686	154	783295	165.82	ng	98
55) Dibenzofuran	15.010	168	272783	37.55	ng	# 96
56) 4-Nitrophenol	15.010	139	105002	92.00	ng	# 1
58) Fluorene	15.663	166	574322	96.49	ng	99
62) 4-Nitroaniline	15.663	138	6691	4.24	ng	# 12
66) n-Nitrosodiphenylamine	15.863	169	12427	2.67	ng	# 1
71) Phenanthrene	17.410	178	3964980	464.36	ng	99
72) Anthracene	17.486	178	366242	44.41	ng	99
75) Fluoranthene	19.415	202	4026719	419.91	ng	96
78) Pyrene	19.768	202	2884761	305.94	ng	99
81) Benzo(a)anthracene	21.474	228	744992	82.04	ng	99
82) 3,3'-Dichlorobenzidine	21.521	252	6450	2.21	ng	# 1
83) Chrysene	21.527	228	603673	68.86	ng	98
88) Benzo(b)fluoranthene	23.074	252	464978	50.72	ng	# 96
89) Benzo(k)fluoranthene	23.074	252	464978	51.94	ng	# 96
90) Benzo(a)pyrene	23.656	252	162277	19.10	ng	# 96
91) Dibenzo(a,h)anthracene	26.056	278	21728	2.61	ng	# 88
92) Benzo(g,h,i)perylene	26.756	276	52040	6.36	ng	# 90

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

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM012021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 27 13:20:04 2021
Response via : Initial Calibration

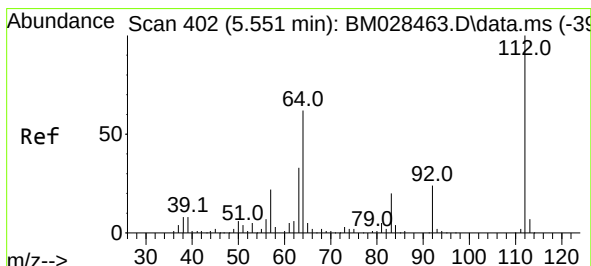
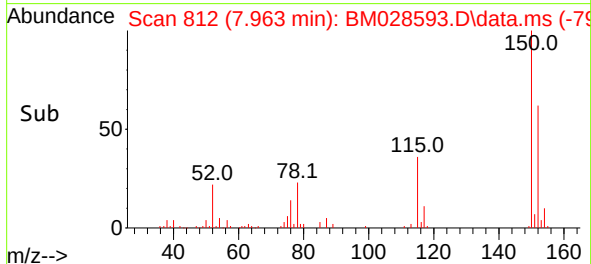
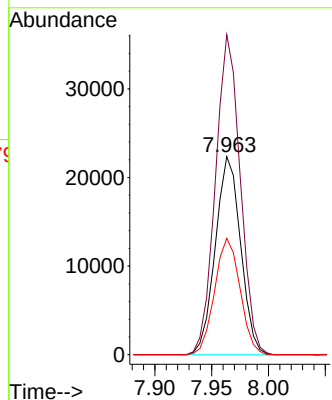
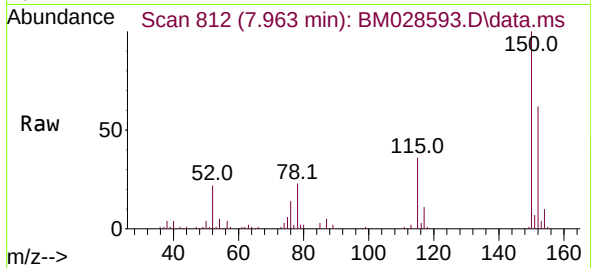




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.963 min Scan# 812
Delta R.T. -0.006 min
Lab File: BM028593.D
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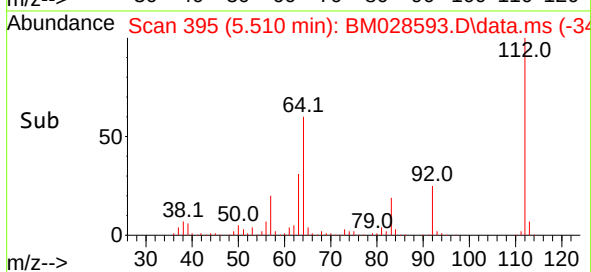
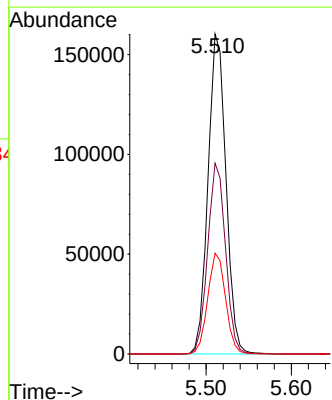
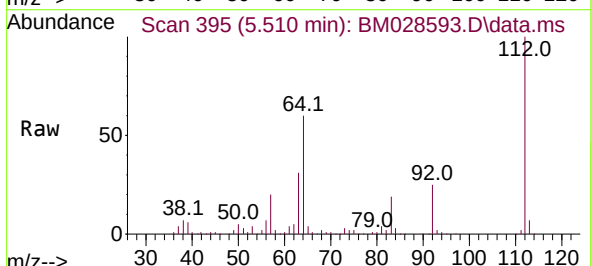
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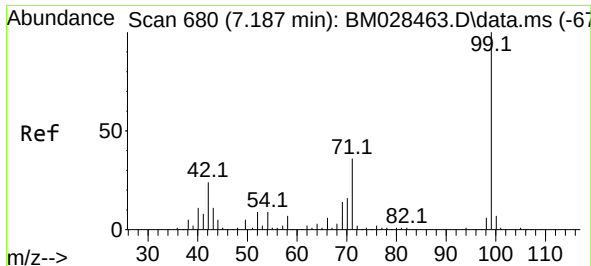
Tgt Ion:152 Resp: 34650
Ion Ratio Lower Upper
152 100
150 161.6 120.6 181.0
115 58.7 47.2 70.8



#5
2-Fluorophenol
Concen: 106.68 ng
RT: 5.510 min Scan# 395
Delta R.T. -0.023 min
Lab File: BM028593.D
Acq: 28 Jan 2021 18:33

Tgt Ion:112 Resp: 234000
Ion Ratio Lower Upper
112 100
64 59.6 50.6 76.0
63 31.5 31.0 46.6

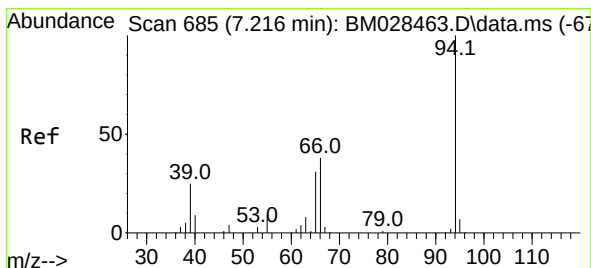
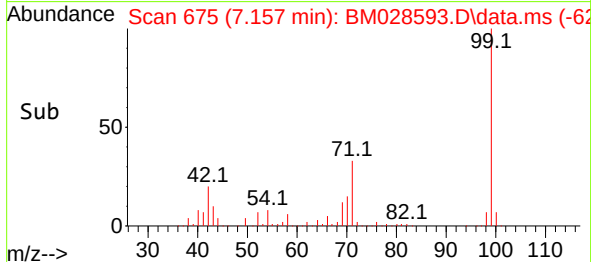
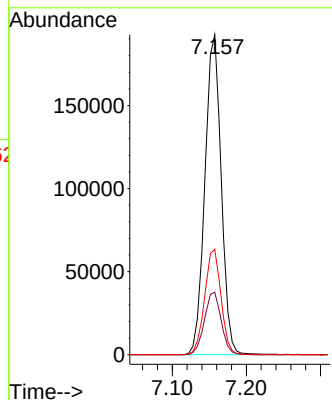
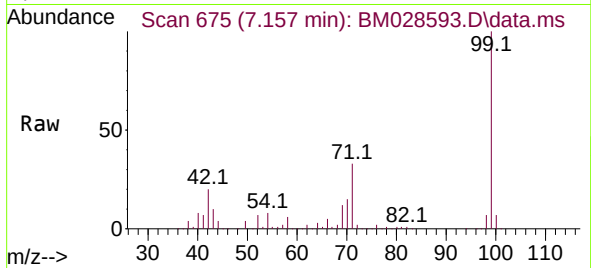




#7
Phenol-d6
Concen: 98.77 ng
RT: 7.157 min Scan# 675
Delta R.T. -0.029 min
Lab File: BM028593.D
Acq: 28 Jan 2021 18:33

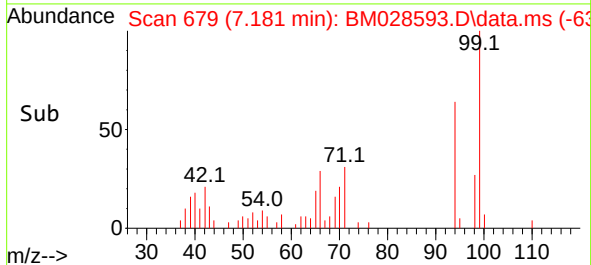
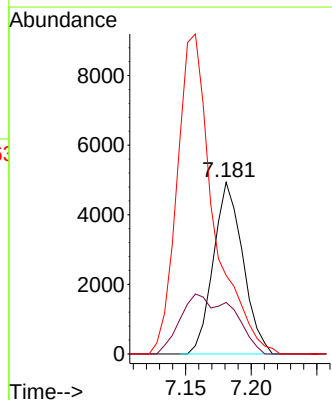
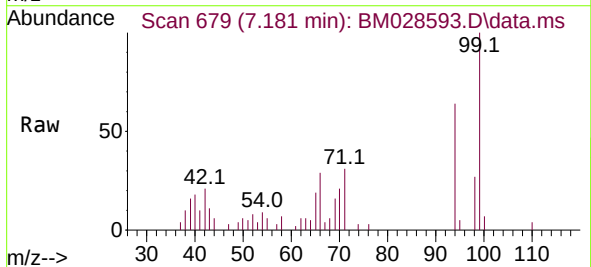
Instrument :
BNA_M
ClientSampled :
CRT-5

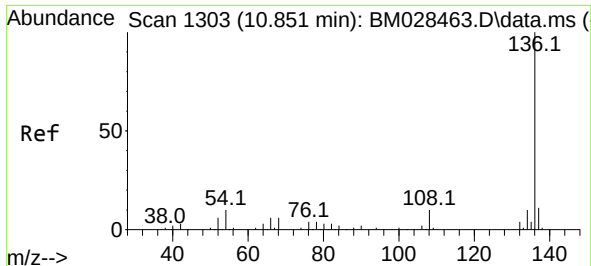
Tgt Ion: 99 Resp: 294988
Ion Ratio Lower Upper
99 100
42 19.5 13.5 20.3
71 32.9 39.4 59.0#



#10
Phenol
Concen: 2.74 ng
RT: 7.181 min Scan# 679
Delta R.T. -0.029 min
Lab File: BM028593.D
Acq: 28 Jan 2021 18:33

Tgt Ion: 94 Resp: 7712
Ion Ratio Lower Upper
94 100
65 30.0 16.4 56.4
66 45.8 30.2 70.2

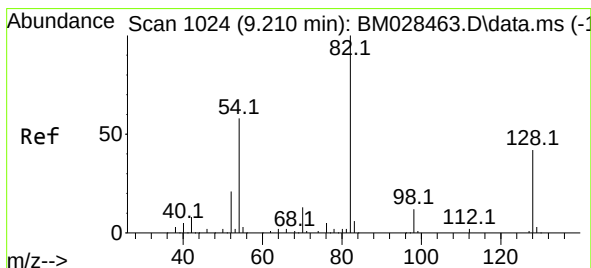
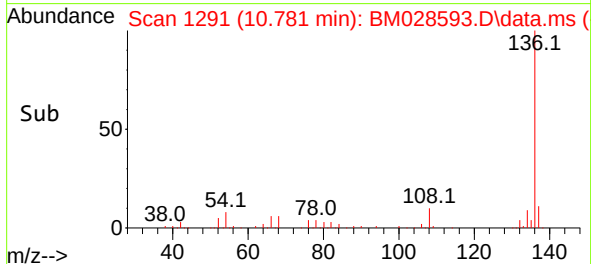
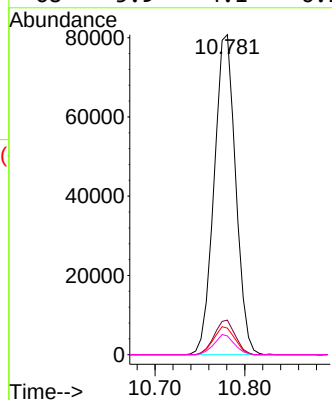
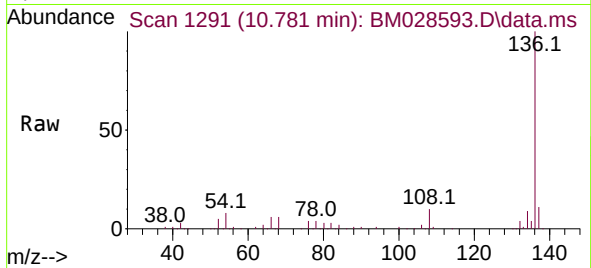




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.781 min Scan# 1291
Delta R.T. -0.006 min
Lab File: BM028593.D
Acq: 28 Jan 2021 18:33

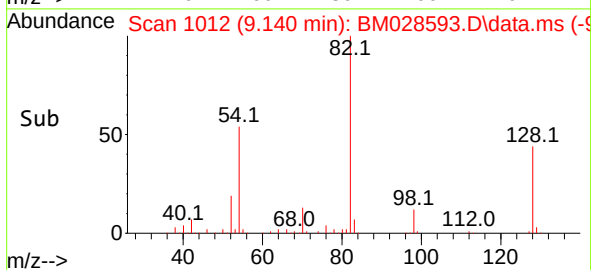
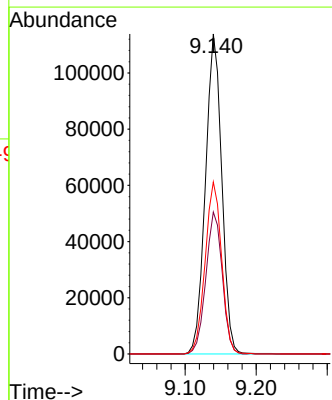
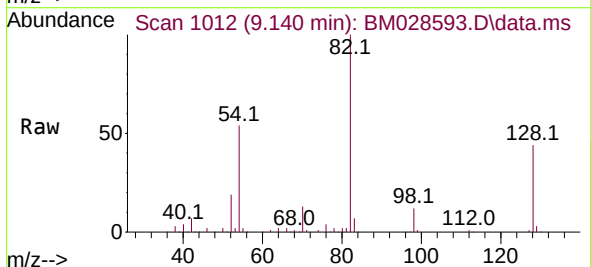
Instrument :
BNA_M
ClientSampleId :
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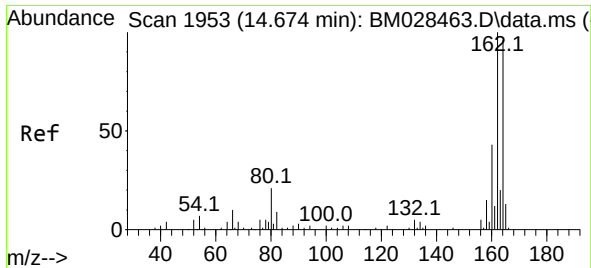
Tgt Ion:	136	Resp:	134427
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.6	12.8
54	8.3	4.6	7.0#
68	5.9	4.1	6.1



#23
Nitrobenzene-d5
Concen: 64.16 ng
RT: 9.140 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BM028593.D
Acq: 28 Jan 2021 18:33

Tgt Ion:	82	Resp:	181834
Ion Ratio	Lower	Upper	
82	100		
128	44.3	27.4	41.0#
54	53.8	31.4	47.0#

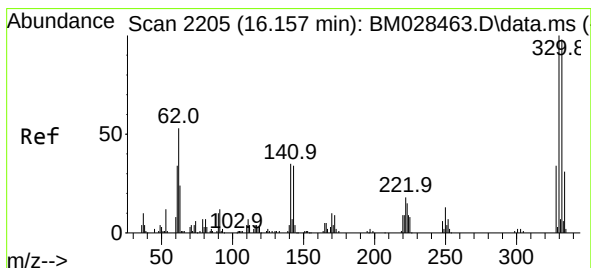
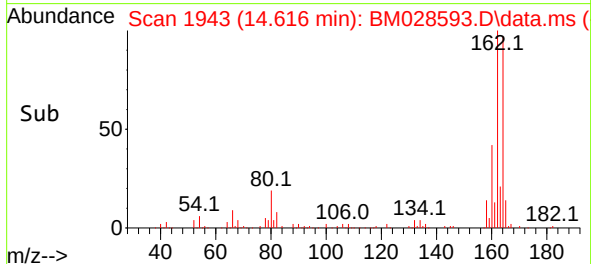
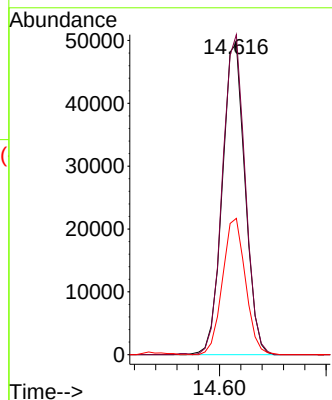
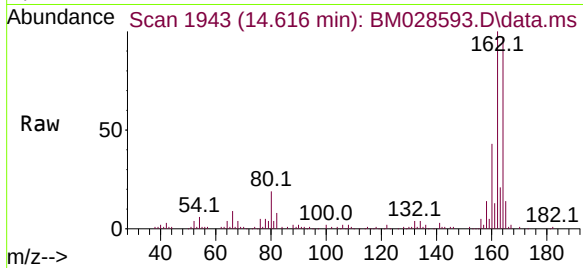




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.616 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BM028593.D
Acq: 28 Jan 2021 18:33

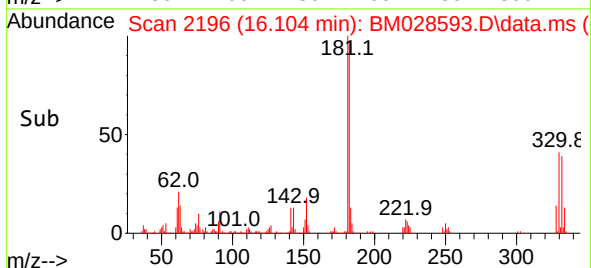
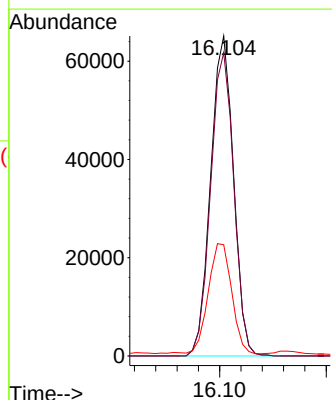
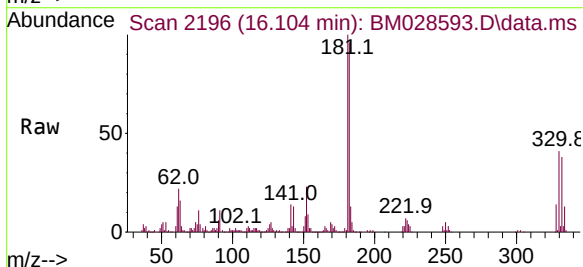
Instrument :
BNA_M
ClientSampled :
CRT-5

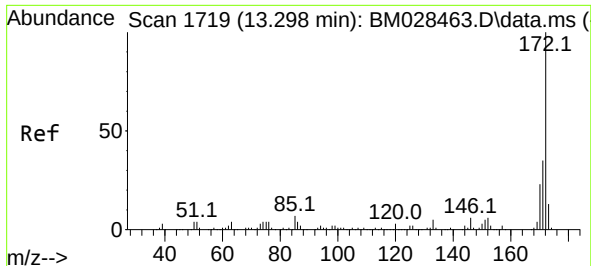
Tgt Ion:	164	Resp:	73518
Ion	Ratio	Lower	Upper
164	100		
162	102.7	80.4	120.6
160	43.7	35.9	53.9



#42
2,4,6-Tribromophenol
Concen: 99.49 ng
RT: 16.104 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BM028593.D
Acq: 28 Jan 2021 18:33

Tgt Ion:	330	Resp:	96910
Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.8	116.8
141	36.5	28.4	42.6

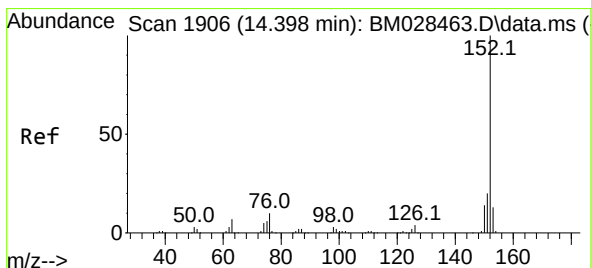
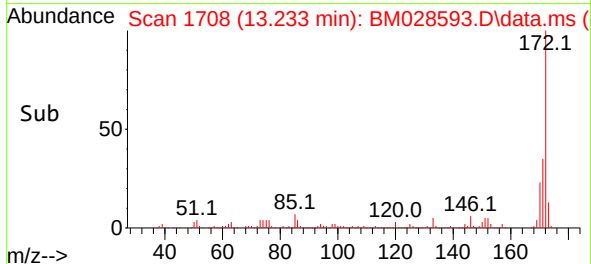
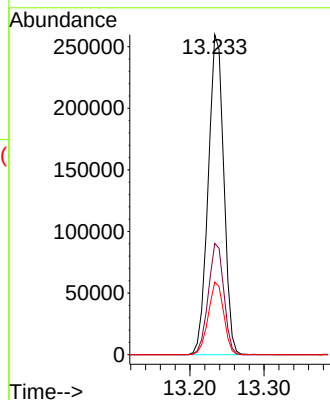
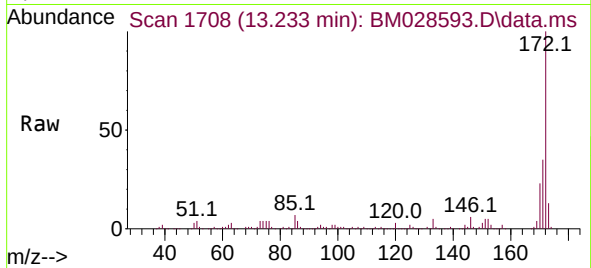




#45
2-Fluorobiphenyl
Concen: 64.57 ng
RT: 13.233 min Scan# 1708
Delta R.T. -0.006 min
Lab File: BM028593.D
Acq: 28 Jan 2021 18:33

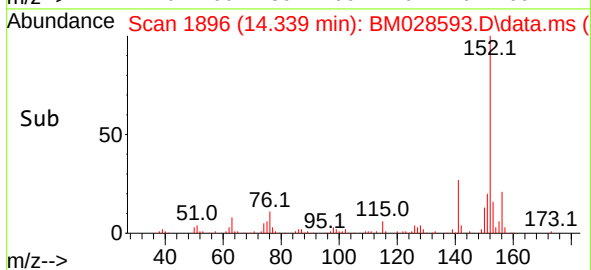
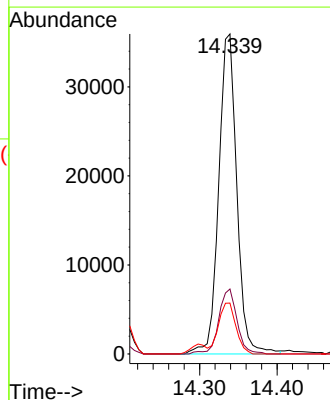
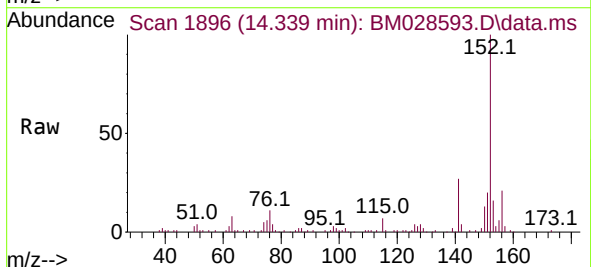
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ClientSampleId :
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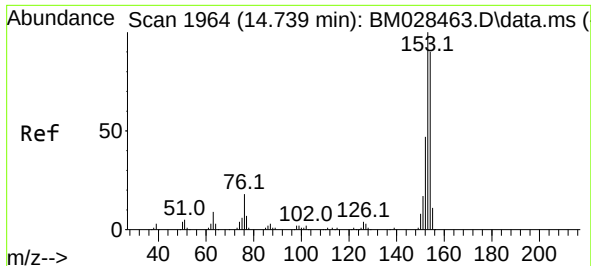
Tgt Ion:172	Resp: 378343
Ion Ratio	Lower Upper
172	100
171	34.7 27.8 41.8
170	22.7 18.6 27.8



#49
Acenaphthylene
Concen: 7.69 ng
RT: 14.339 min Scan# 1896
Delta R.T. -0.006 min
Lab File: BM028593.D
Acq: 28 Jan 2021 18:33

Tgt Ion:152	Resp: 58498
Ion Ratio	Lower Upper
152	100
151	20.3 15.8 23.6
153	15.9 10.4 15.6#

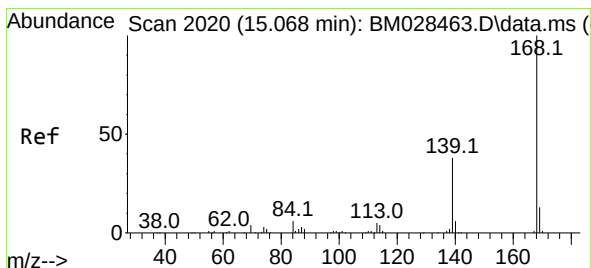
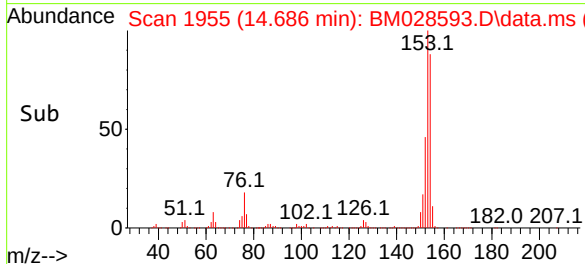
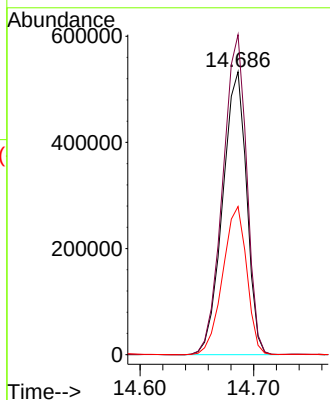
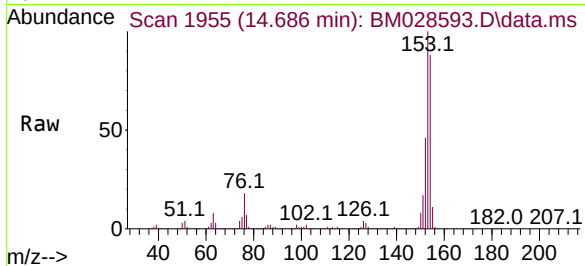




#52
Acenaphthene
Concen: 165.82 ng
RT: 14.686 min Scan# 1955
Delta R.T. 0.006 min
Lab File: BM028593.D
Acq: 28 Jan 2021 18:33

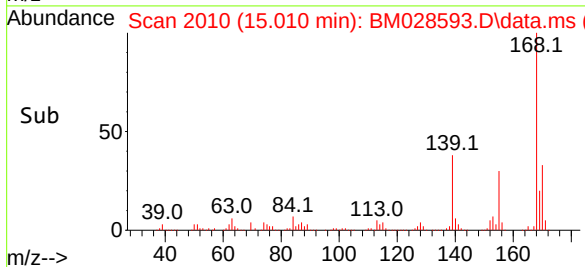
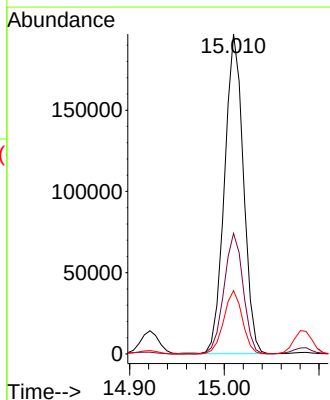
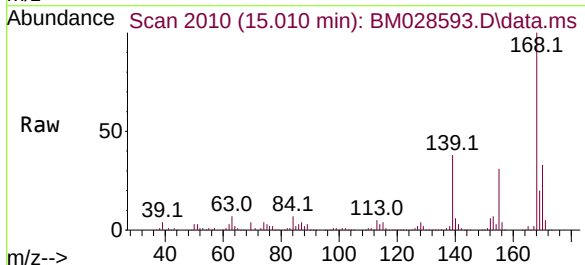
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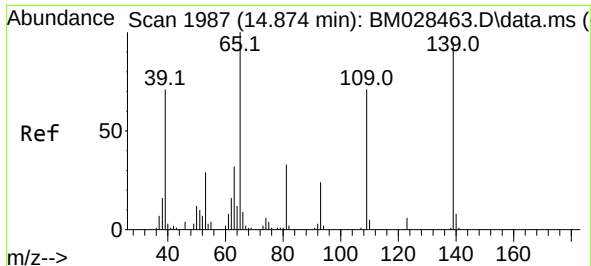
Tgt Ion:154 Resp: 783295
Ion Ratio Lower Upper
154 100
153 113.1 88.3 132.5
152 52.4 41.4 62.2



#55
Dibenzofuran
Concen: 37.55 ng
RT: 15.010 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BM028593.D
Acq: 28 Jan 2021 18:33

Tgt Ion:168 Resp: 272783
Ion Ratio Lower Upper
168 100
139 37.7 30.2 45.4
169 19.8 10.6 16.0#

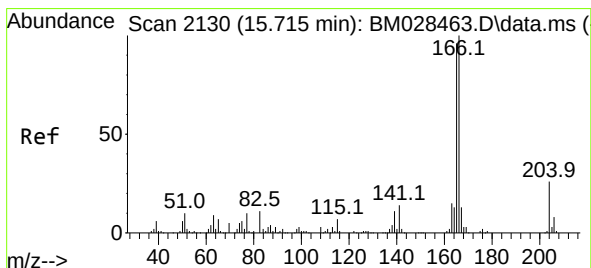
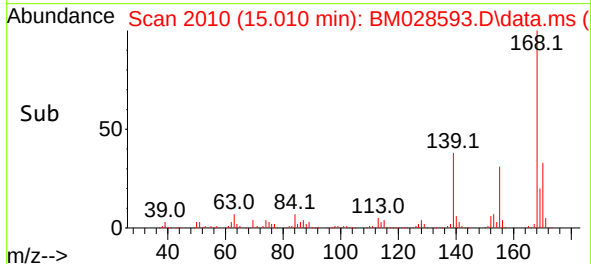
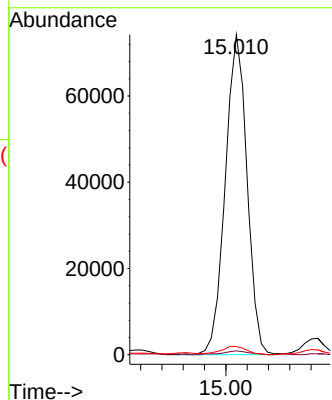
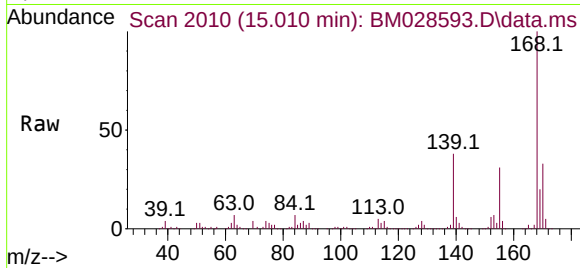




#56
4-Nitrophenol
Concen: 92.00 ng
RT: 15.010 min Scan# 2010
Delta R.T. 0.077 min
Lab File: BM028593.D
Acq: 28 Jan 2021 18:33

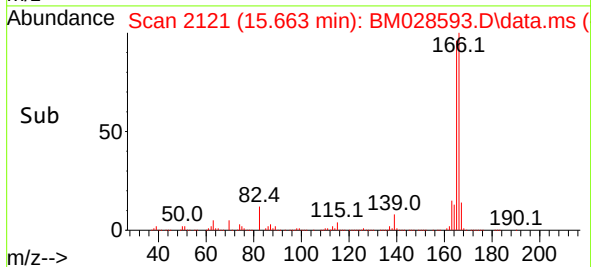
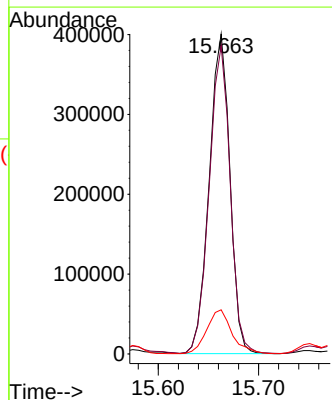
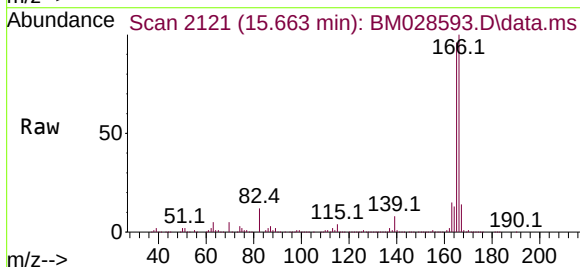
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ClientSampleId :
CRT-5

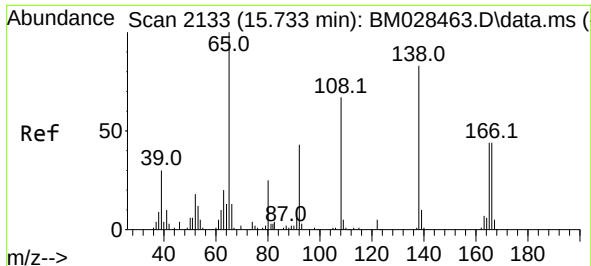
Tgt Ion:139 Resp: 105002
Ion Ratio Lower Upper
139 100
109 1.2 77.0 117.0#
65 2.6 103.4 143.4#



#58
Fluorene
Concen: 96.49 ng
RT: 15.663 min Scan# 2121
Delta R.T. 0.000 min
Lab File: BM028593.D
Acq: 28 Jan 2021 18:33

Tgt Ion:166 Resp: 574322
Ion Ratio Lower Upper
166 100
165 96.3 76.2 114.2
167 13.8 10.7 16.1

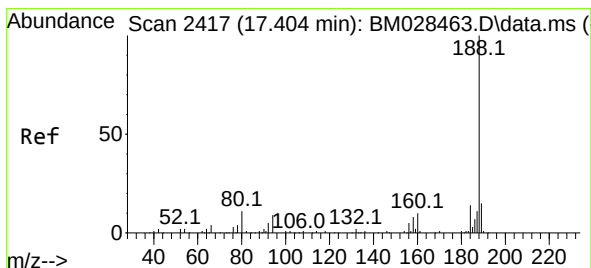
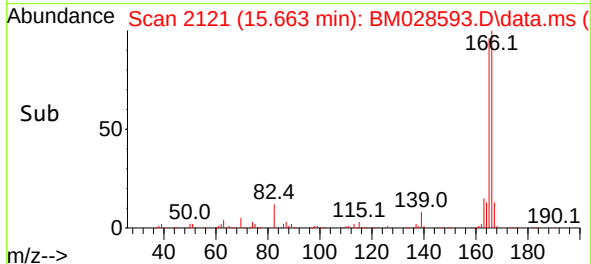
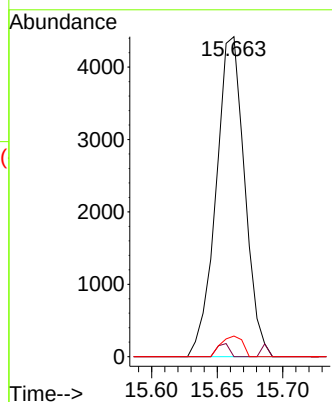
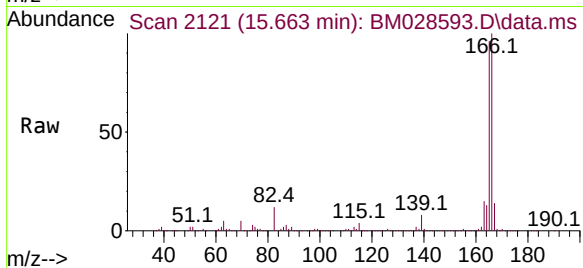




#62
4-Nitroaniline
Concen: 4.24 ng
RT: 15.663 min Scan# 2121
Delta R.T. -0.029 min
Lab File: BM028593.D
Acq: 28 Jan 2021 18:33

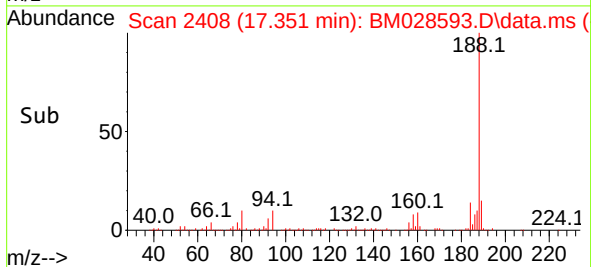
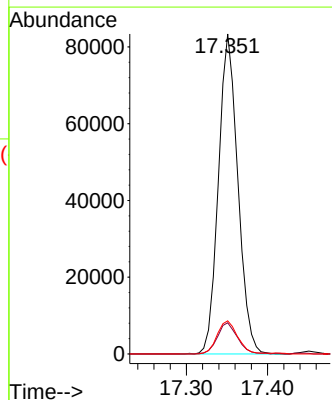
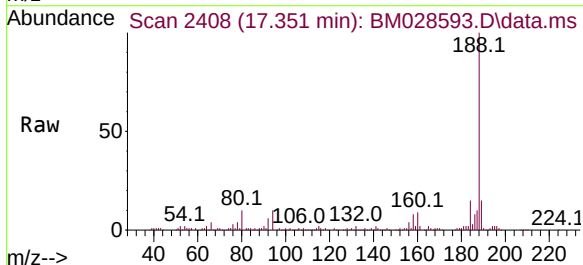
Instrument :
BNA_M
ClientSampleId :
CRT-5

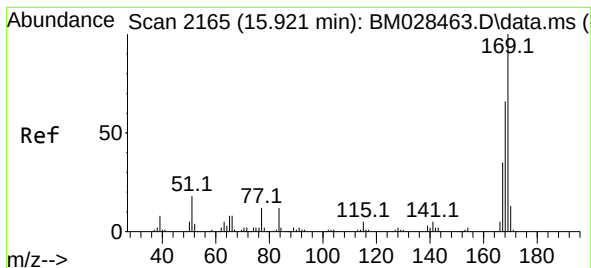
Tgt Ion:138 Resp: 6691
Ion Ratio Lower Upper
138 100
92 0.0 35.5 75.5#
108 6.4 80.5 120.5#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.351 min Scan# 2408
Delta R.T. 0.000 min
Lab File: BM028593.D
Acq: 28 Jan 2021 18:33

Tgt Ion:188 Resp: 138840
Ion Ratio Lower Upper
188 100
94 9.8 6.2 9.4#
80 10.3 7.5 11.3

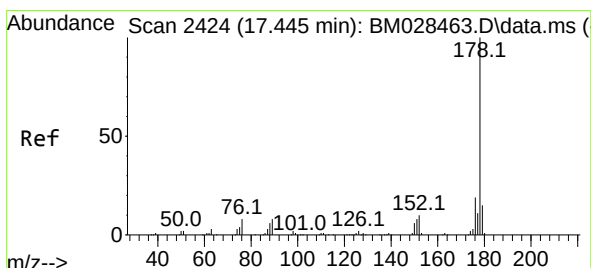
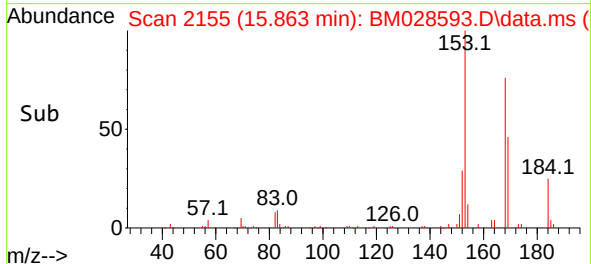
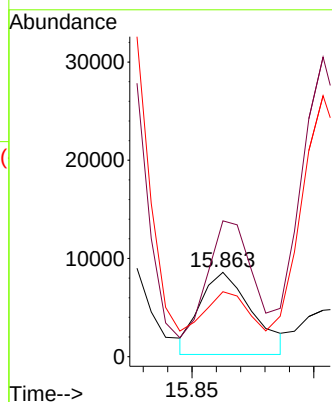
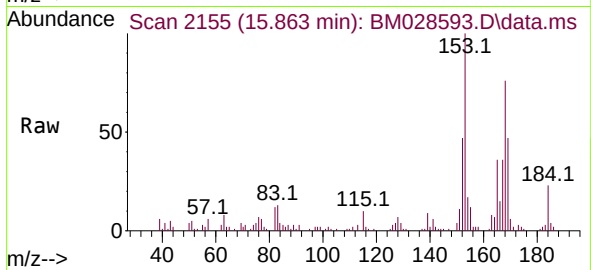




#66
n-Nitrosodiphenylamine
Concen: 2.67 ng
RT: 15.863 min Scan# 2155
Delta R.T. -0.006 min
Lab File: BM028593.D
Acq: 28 Jan 2021 18:33

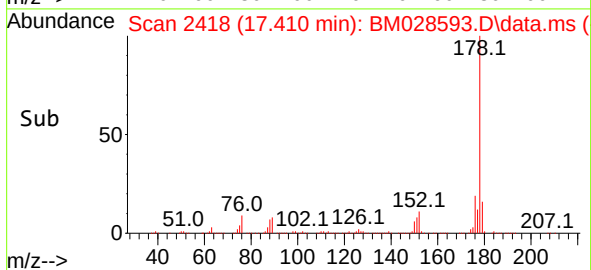
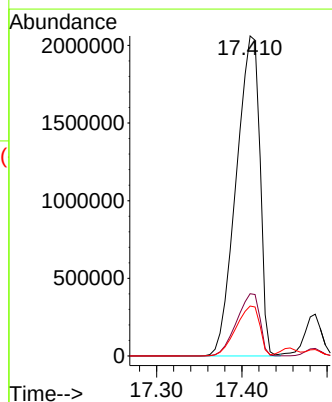
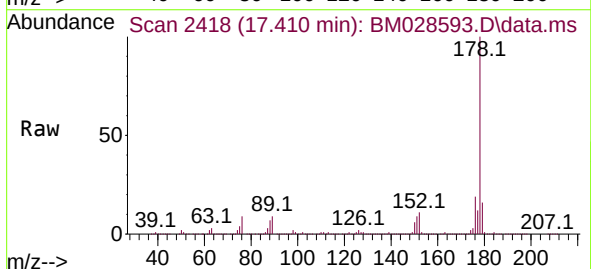
Instrument :
BNA_M
ClientSampled :
CRT-5

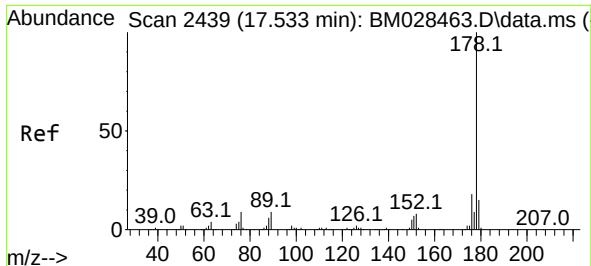
Tgt Ion:169 Resp: 12427
Ion Ratio Lower Upper
169 100
168 161.0 53.8 80.8#
167 77.1 29.0 43.4#



#71
Phenanthrene
Concen: 464.36 ng
RT: 17.410 min Scan# 2418
Delta R.T. 0.018 min
Lab File: BM028593.D
Acq: 28 Jan 2021 18:33

Tgt Ion:178 Resp: 3964980
Ion Ratio Lower Upper
178 100
176 19.4 15.0 22.6
179 15.6 12.2 18.4

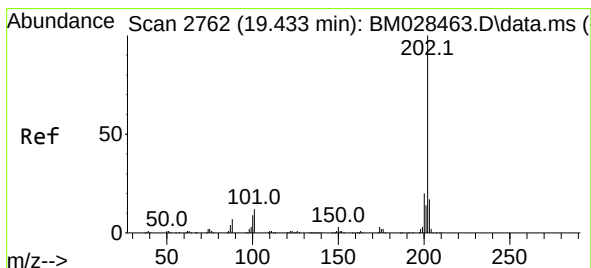
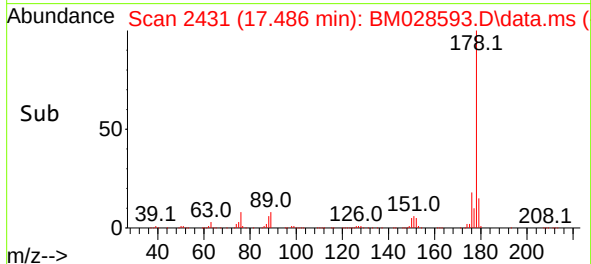
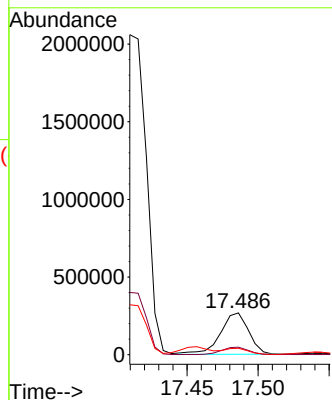
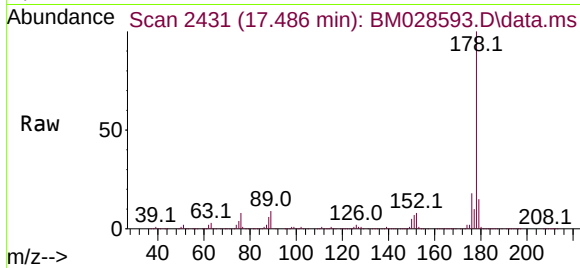




#72
 Anthracene
 Concen: 44.41 ng
 RT: 17.486 min Scan# 2431
 Delta R.T. 0.006 min
 Lab File: BM028593.D
 Acq: 28 Jan 2021 18:33

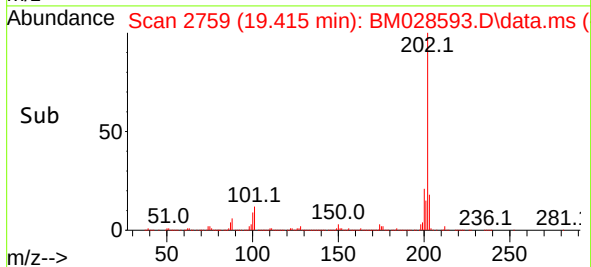
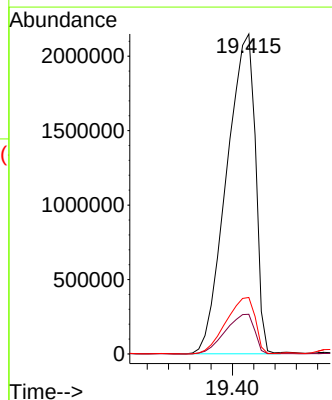
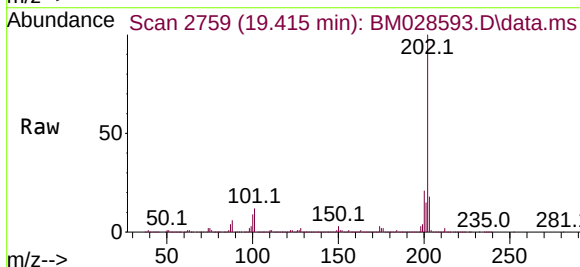
Instrument :
 BNA_M
 ClientSampleId :
 CRT-5

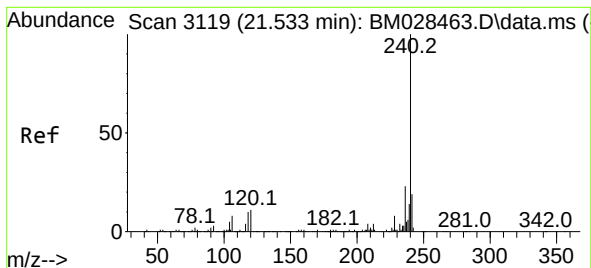
Tgt Ion:178 Resp: 366242
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.0 22.4
 179 15.3 12.5 18.7



#75
 Fluoranthene
 Concen: 419.91 ng
 RT: 19.415 min Scan# 2759
 Delta R.T. 0.024 min
 Lab File: BM028593.D
 Acq: 28 Jan 2021 18:33

Tgt Ion:202 Resp: 4026719
 Ion Ratio Lower Upper
 202 100
 101 12.4 0.0 28.5
 203 17.6 0.0 37.3





#76

Chrysene-d12

Concen: 20.00 ng

RT: 21.486 min Scan# 3111

Delta R.T. 0.000 min

Lab File: BM028593.D

Acq: 28 Jan 2021 18:33

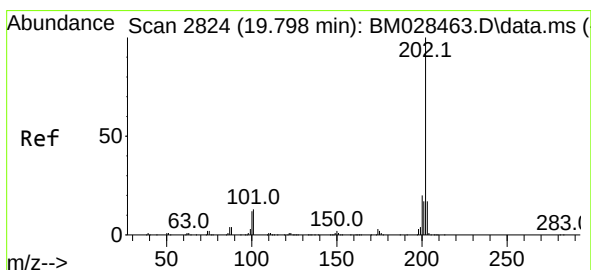
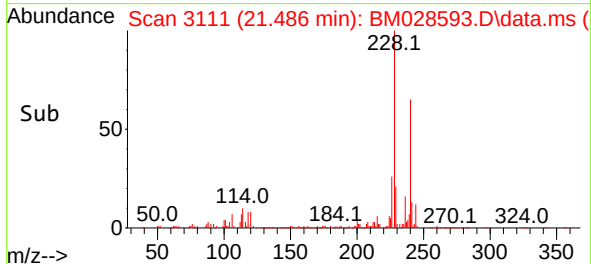
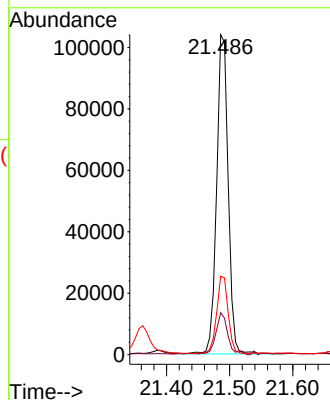
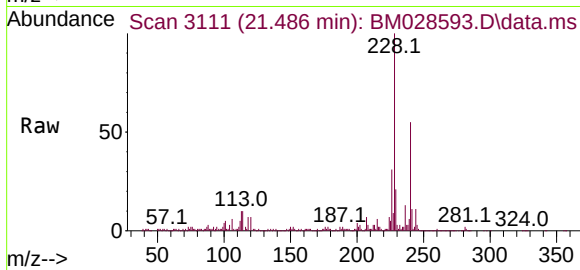
Tgt Ion:240 Resp: 131505

Ion Ratio Lower Upper

240 100

120 13.1 6.4 9.6#

236 24.5 20.1 30.1



#78

Pyrene

Concen: 305.94 ng

RT: 19.768 min Scan# 2819

Delta R.T. 0.018 min

Lab File: BM028593.D

Acq: 28 Jan 2021 18:33

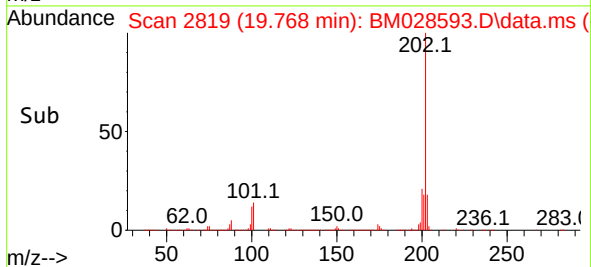
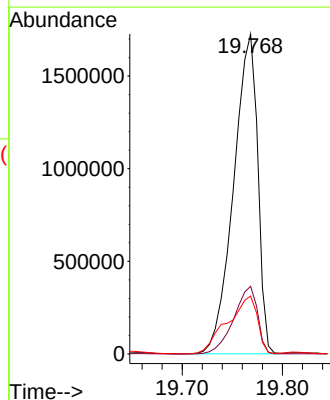
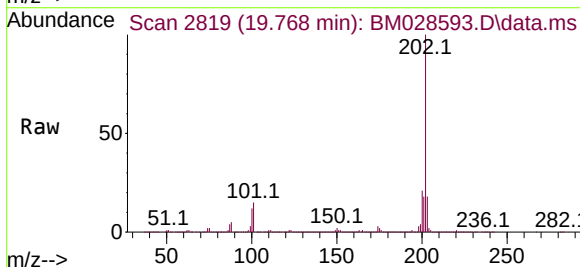
Tgt Ion:202 Resp: 2884761

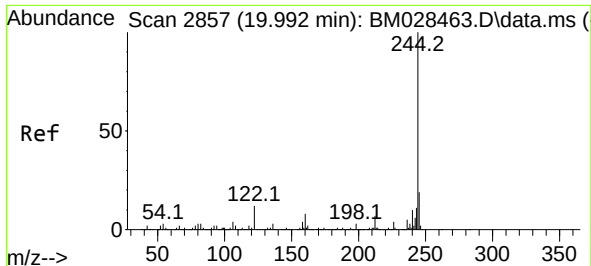
Ion Ratio Lower Upper

202 100

200 21.1 16.6 24.8

203 18.1 13.8 20.6

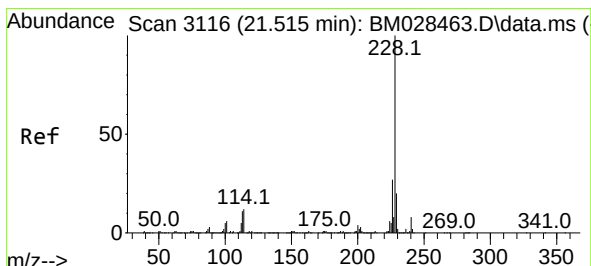
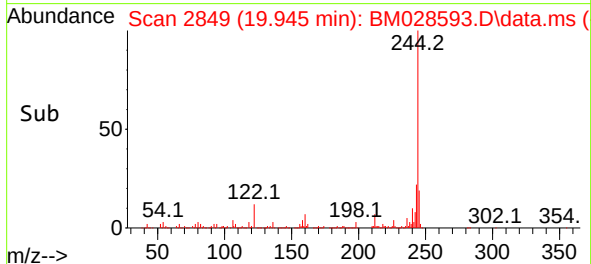
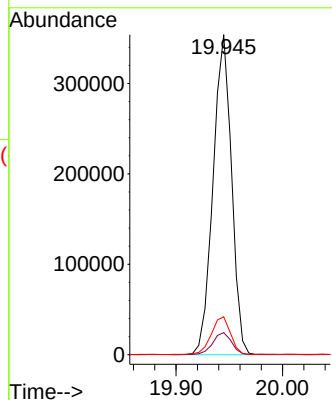
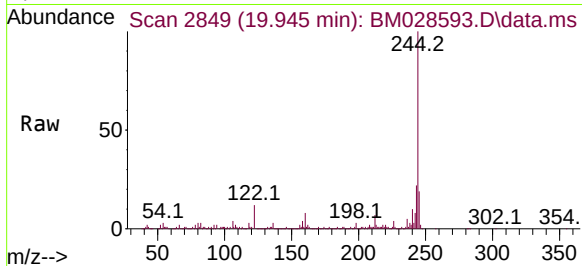




#79
 Terphenyl-d14
 Concen: 58.54 ng
 RT: 19.945 min Scan# 2849
 Delta R.T. 0.000 min
 Lab File: BM028593.D
 Acq: 28 Jan 2021 18:33

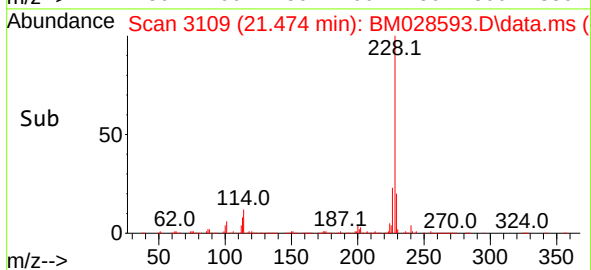
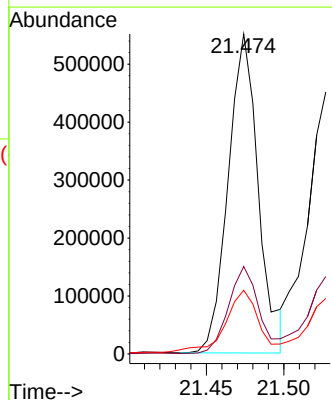
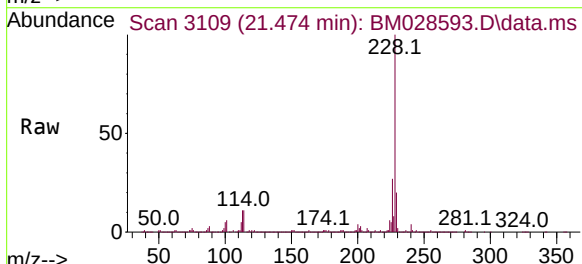
Instrument :
 BNA_M
 ClientSampleId :
 CRT-5

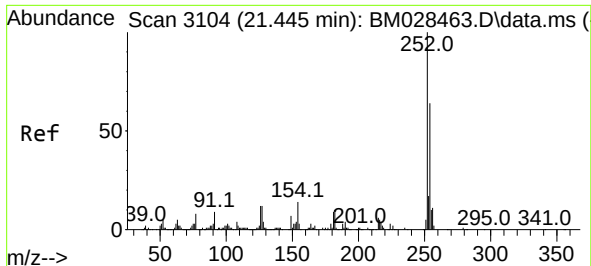
Tgt Ion:244 Resp: 426277
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.8
 122 11.9 6.5 9.7#



#81
 Benzo(a)anthracene
 Concen: 82.04 ng
 RT: 21.474 min Scan# 3109
 Delta R.T. 0.000 min
 Lab File: BM028593.D
 Acq: 28 Jan 2021 18:33

Tgt Ion:228 Resp: 744992
 Ion Ratio Lower Upper
 228 100
 226 27.3 21.1 31.7
 229 19.9 15.7 23.5

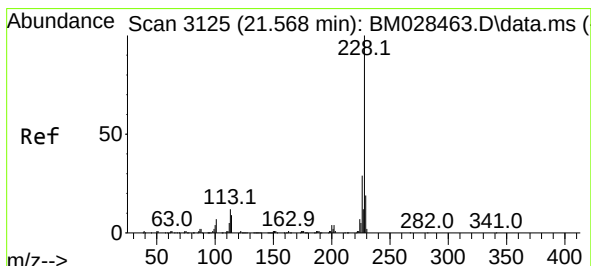
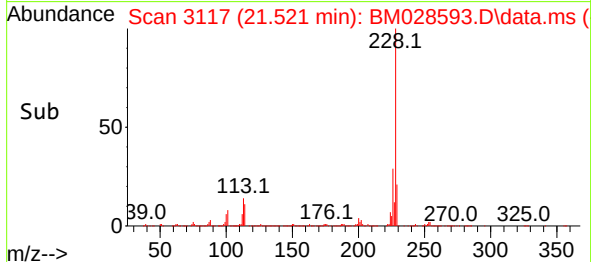
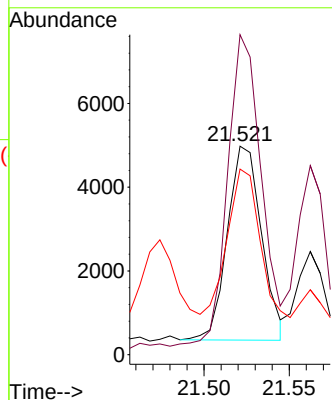
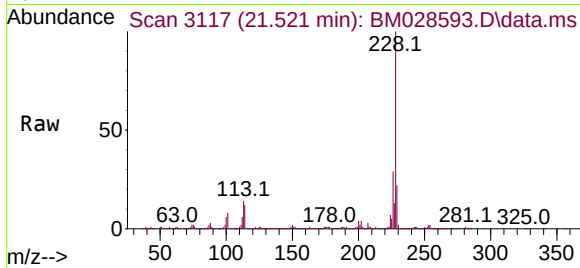




#82
 3,3'-Dichlorobenzidine
 Concen: 2.21 ng
 RT: 21.521 min Scan# 3117
 Delta R.T. 0.118 min
 Lab File: BM028593.D
 Acq: 28 Jan 2021 18:33

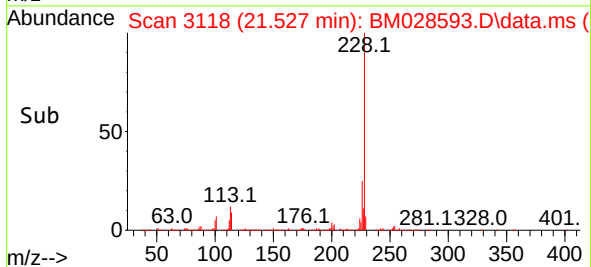
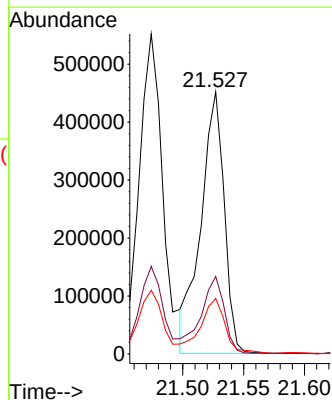
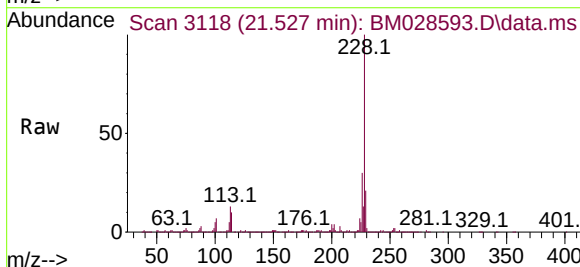
Instrument :
 BNA_M
 ClientSampled :
 CRT-5

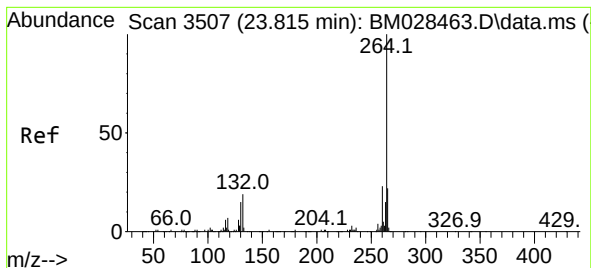
Tgt Ion:252 Resp: 6450
 Ion Ratio Lower Upper
 252 100
 254 153.5 51.4 77.0#
 126 89.0 6.8 10.2#



#83
 Chrysene
 Concen: 68.86 ng
 RT: 21.527 min Scan# 3118
 Delta R.T. 0.000 min
 Lab File: BM028593.D
 Acq: 28 Jan 2021 18:33

Tgt Ion:228 Resp: 603673
 Ion Ratio Lower Upper
 228 100
 226 29.6 23.4 35.0
 229 21.2 15.7 23.5





#86

Perylene-d12

Concen: 20.00 ng

RT: 23.750 min Scan# 3496

Delta R.T. 0.000 min

Lab File: BM028593.D

Acq: 28 Jan 2021 18:33

Tgt Ion:264 Resp: 135045

Ion Ratio Lower Upper

264 100

260 22.9 19.0 28.4

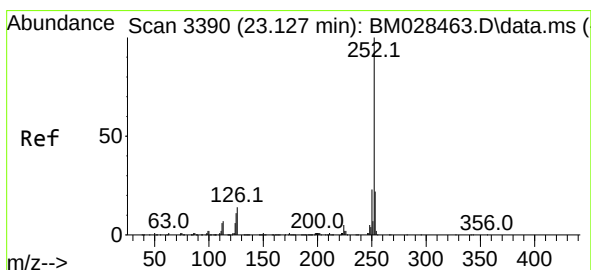
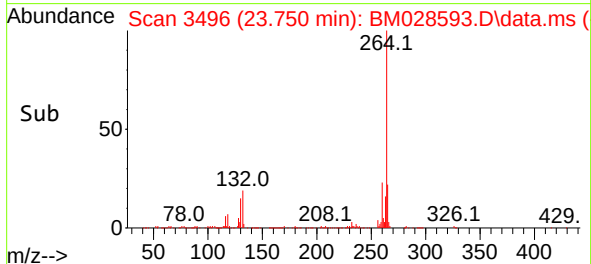
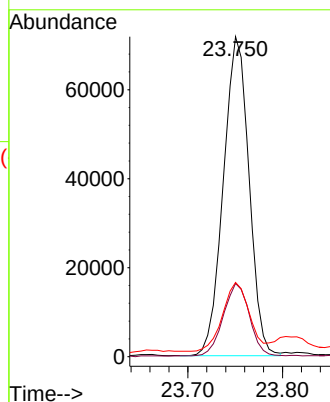
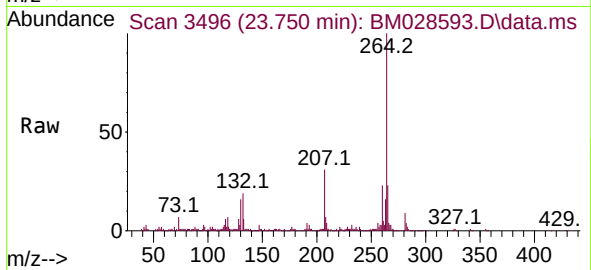
265 23.2 17.7 26.5

Instrument :

BNA_M

ClientSampled :

CRT-5



#88

Benzo(b)fluoranthene

Concen: 50.72 ng

RT: 23.074 min Scan# 3381

Delta R.T. 0.000 min

Lab File: BM028593.D

Acq: 28 Jan 2021 18:33

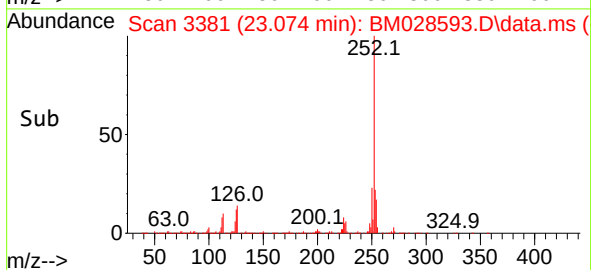
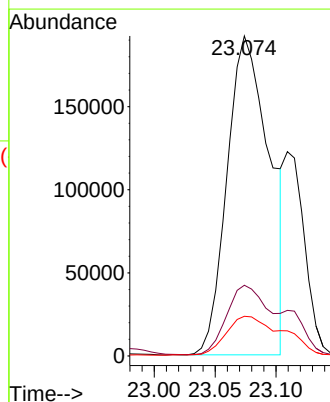
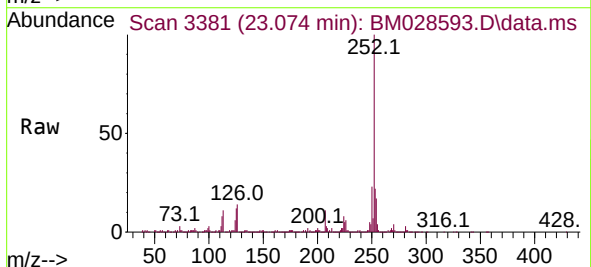
Tgt Ion:252 Resp: 464978

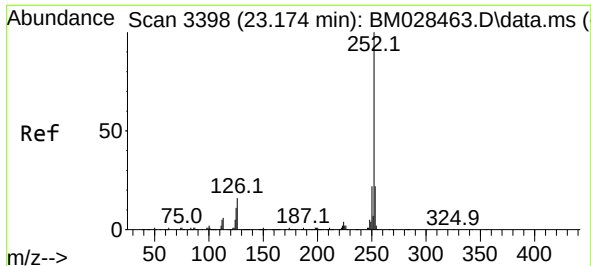
Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.0

125 12.4 5.7 8.5#





#89

Benzo(k)fluoranthene

Concen: 51.94 ng

RT: 23.074 min Scan# 3381

Delta R.T. -0.041 min

Lab File: BM028593.D

Acq: 28 Jan 2021 18:33

Tgt Ion:252 Resp: 464978

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.0

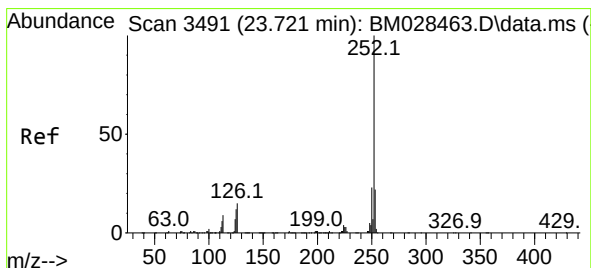
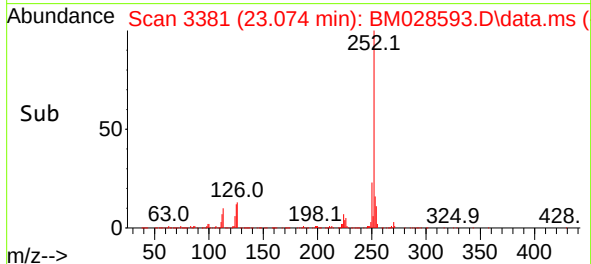
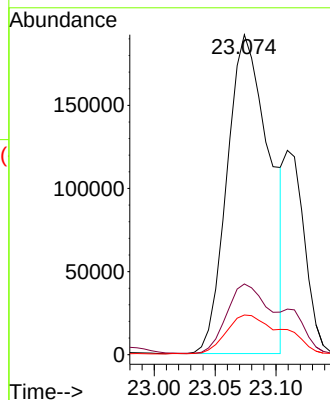
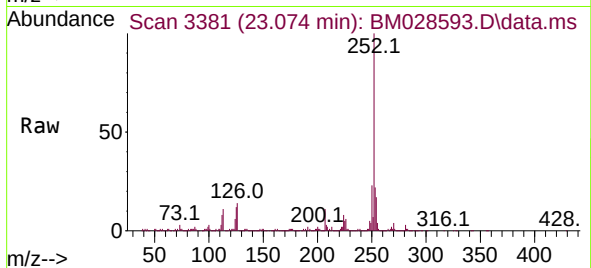
125 12.4 5.6 8.4#

Instrument :

BNA_M

ClientSampled :

CRT-5



#90

Benzo(a)pyrene

Concen: 19.10 ng

RT: 23.656 min Scan# 3480

Delta R.T. 0.000 min

Lab File: BM028593.D

Acq: 28 Jan 2021 18:33

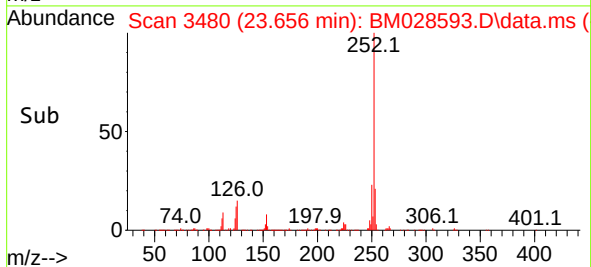
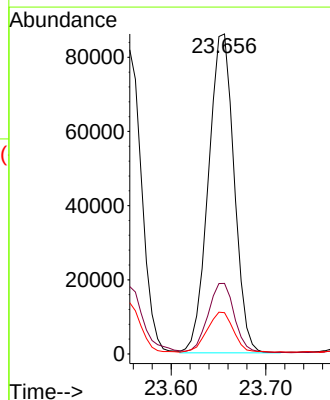
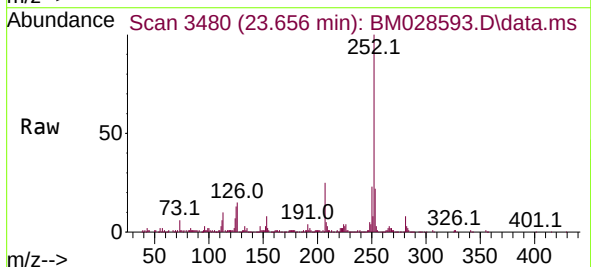
Tgt Ion:252 Resp: 162277

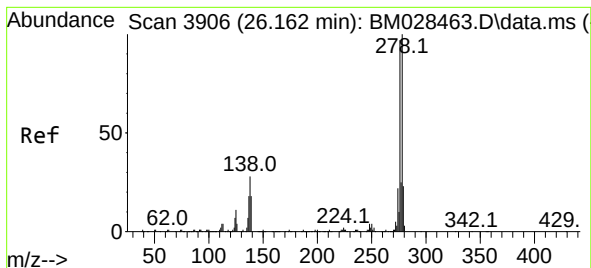
Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

125 12.9 6.6 9.8#





#91

Dibenzo(a,h)anthracene

Concen: 2.61 ng

RT: 26.056 min Scan# 3888

Delta R.T. -0.018 min

Lab File: BM028593.D

Acq: 28 Jan 2021 18:33

Tgt Ion:278 Resp: 21728

Ion Ratio Lower Upper

278 100

139 25.3 9.0 13.6#

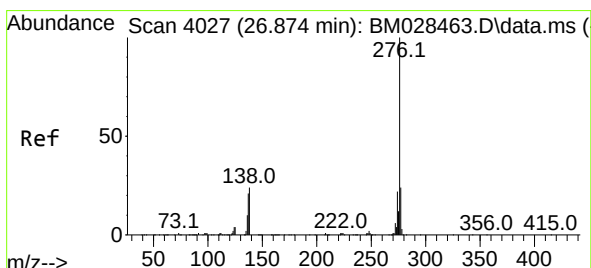
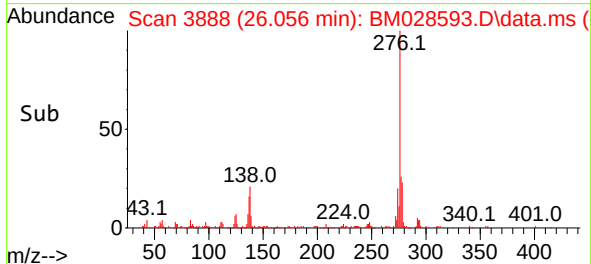
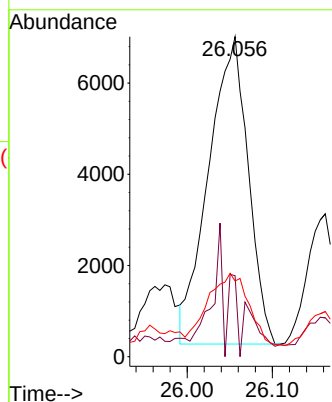
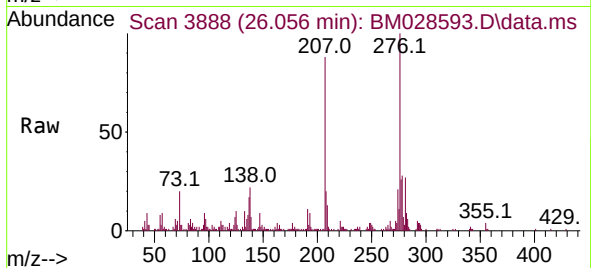
279 23.7 19.0 28.4

Instrument :

BNA_M

ClientSampleId :

CRT-5



#92

Benzo(g,h,i)perylene

Concen: 6.36 ng

RT: 26.756 min Scan# 4007

Delta R.T. -0.018 min

Lab File: BM028593.D

Acq: 28 Jan 2021 18:33

Tgt Ion:276 Resp: 52040

Ion Ratio Lower Upper

276 100

277 23.5 18.6 28.0

138 25.4 12.2 18.2#

