

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042621\
 Data File : BM029653.D
 Acq On : 26 Apr 2021 17:12
 Operator : CG/JU
 Sample : M2170-13
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CN-1

Quant Time: Apr 26 18:01:33 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 26 15:01:01 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

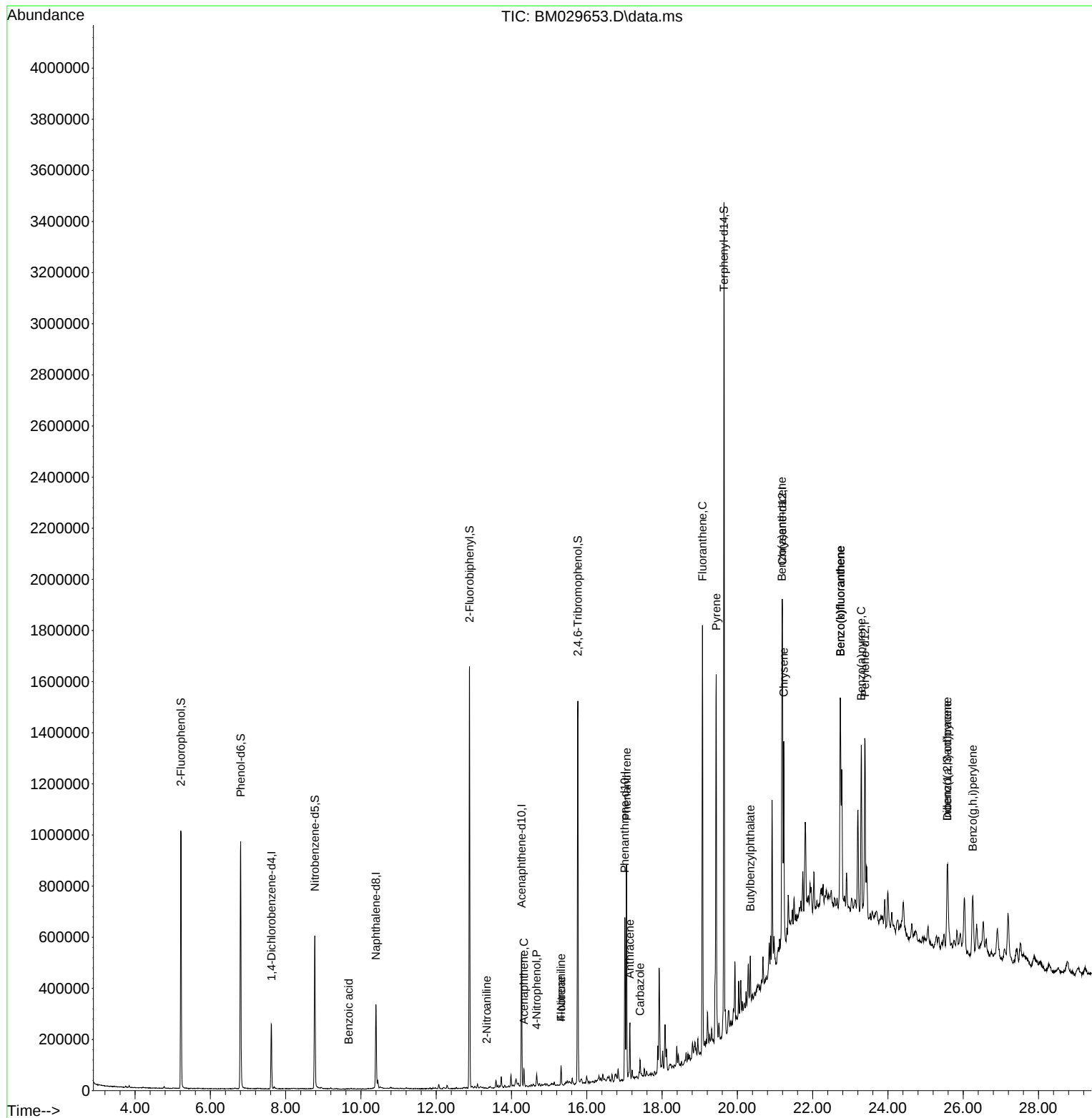
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.622	152	70723	20.00	ng	0.00
21) Naphthalene-d8	10.398	136	257803	20.00	ng	0.00
39) Acenaphthene-d10	14.269	164	174520	20.00	ng	0.00
64) Phenanthrene-d10	17.009	188	395578	20.00	ng	0.00
76) Chrysene-d12	21.197	240	457556	20.00	ng	0.00
86) Perylene-d12	23.391	264	479516	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.216	112	411350	116.61	ng	0.00
7) Phenol-d6	6.804	99	512866	97.34	ng	0.00
23) Nitrobenzene-d5	8.775	82	340976	68.12	ng	0.00
42) 2,4,6-Tribromophenol	15.763	330	270544	112.09	ng	0.00
45) 2-Fluorobiphenyl	12.886	172	870667	67.71	ng	0.00
79) Terphenyl-d14	19.645	244	1393161	57.72	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.675	122	53	7.23	ng	# 16
48) 2-Nitroaniline	13.339	65	60	2.88	ng	# 4
52) Acenaphthene	14.327	154	22564	2.30	ng	95
56) 4-Nitrophenol	14.668	139	8327	3.88	ng	# 9
58) Fluorene	15.315	166	33033	2.38	ng	# 98
62) 4-Nitroaniline	15.315	138	508	3.62	ng	# 10
71) Phenanthrene	17.057	178	511970	22.48	ng	99
72) Anthracene	17.145	178	135821	6.04	ng	99
73) Carbazole	17.415	167	44004	2.09	ng	99
75) Fluoranthene	19.074	202	985561	35.68	ng	98
78) Pyrene	19.439	202	905308	30.75	ng	99
80) Butylbenzylphthalate	20.345	149	41794	3.79	ng	98
81) Benzo(a)anthracene	21.186	228	499512	16.50	ng	99
83) Chrysene	21.233	228	438851	14.75	ng	96
87) Indeno(1,2,3-cd)pyrene	25.580	276	296385	7.99	ng	96
88) Benzo(b)fluoranthene	22.739	252	588745	18.83	ng	97
89) Benzo(k)fluoranthene	22.739	252	588745	18.79	ng	97
90) Benzo(a)pyrene	23.291	252	453730	15.45	ng	97
91) Dibenzo(a,h)anthracene	25.580	278	74933	2.34	ng	# 77
92) Benzo(g,h,i)perylene	26.256	276	296779	10.04	ng	99

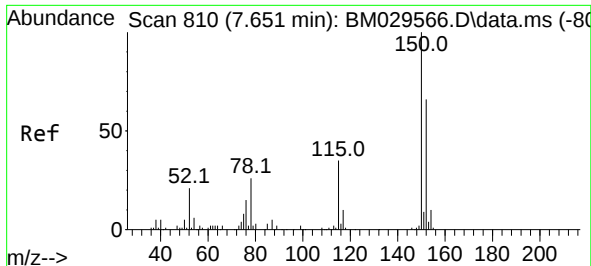
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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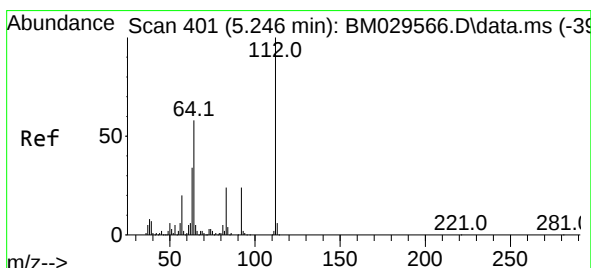
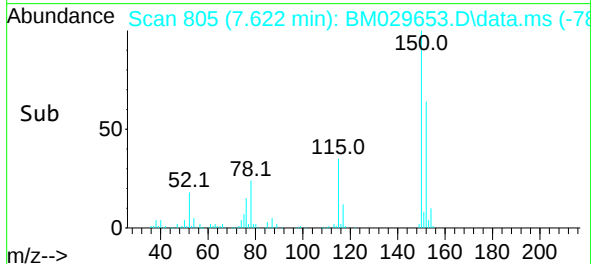
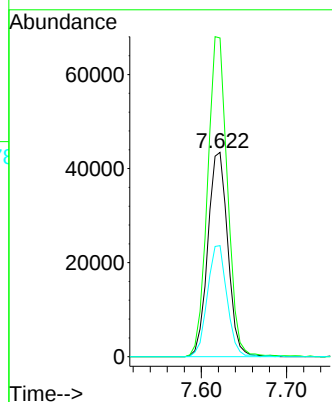
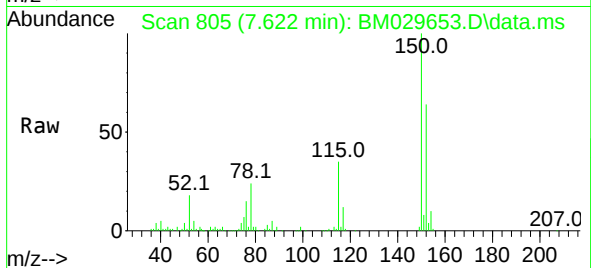




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.622 min Scan# 805
Delta R.T. -0.000 min
Lab File: BM029653.D
Acq: 26 Apr 2021 17:12

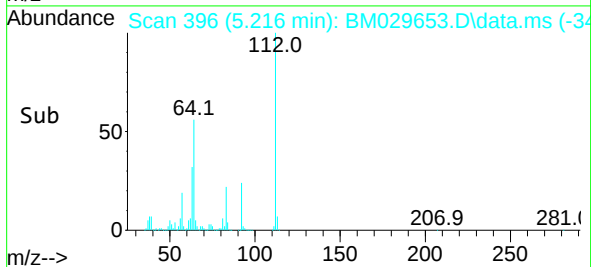
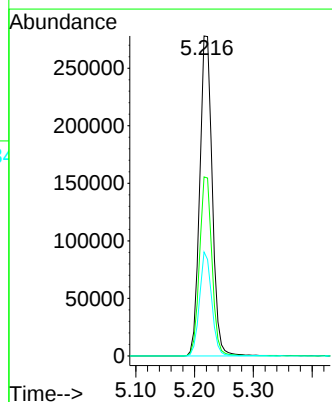
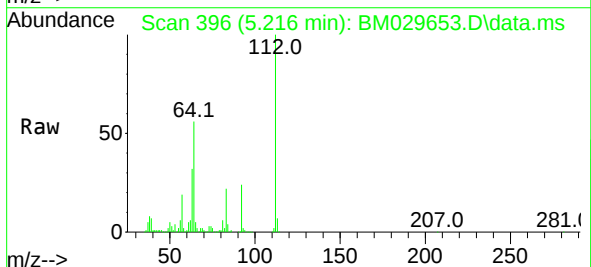
Instrument :
BNA_M
ClientSampleId :
CN-1

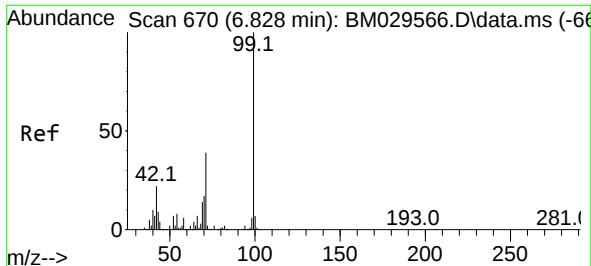
Tgt Ion:152 Resp: 70723
Ion Ratio Lower Upper
152 100
150 156.0 125.9 188.9
115 54.4 44.6 67.0



#5
2-Fluorophenol
Concen: 116.61 ng
RT: 5.216 min Scan# 396
Delta R.T. -0.000 min
Lab File: BM029653.D
Acq: 26 Apr 2021 17:12

Tgt Ion:112 Resp: 411350
Ion Ratio Lower Upper
112 100
64 56.0 47.1 70.7
63 32.5 27.3 40.9

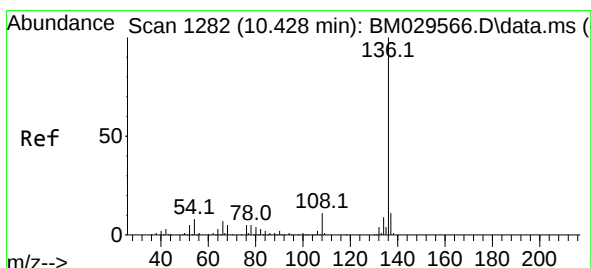
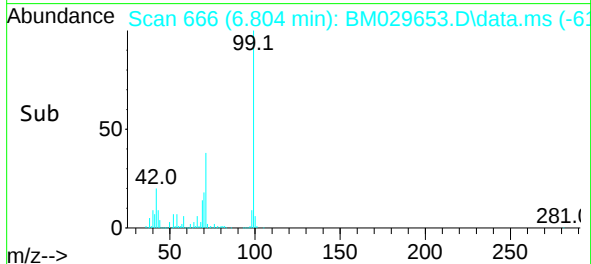
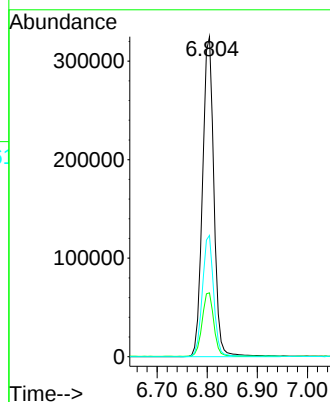
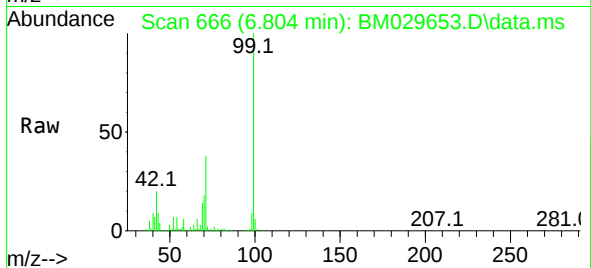




#7
Phenol-d6
Concen: 97.34 ng
RT: 6.804 min Scan# 666
Delta R.T. 0.006 min
Lab File: BM029653.D
Acq: 26 Apr 2021 17:12

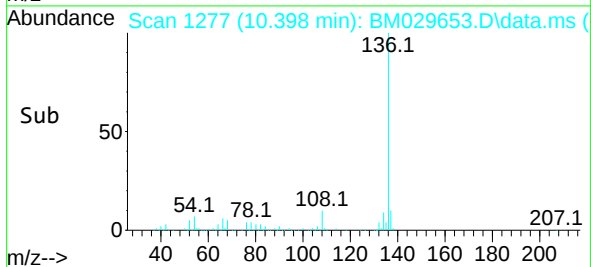
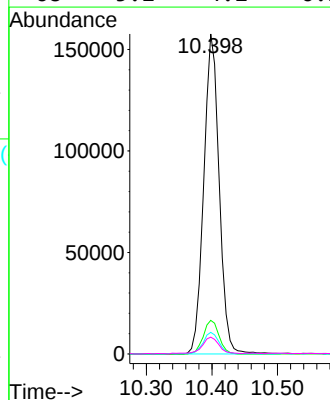
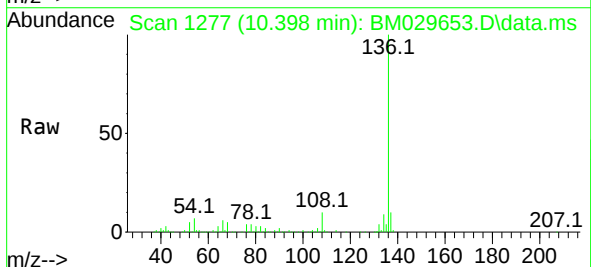
Instrument :
BNA_M
ClientSampleId :
CN-1

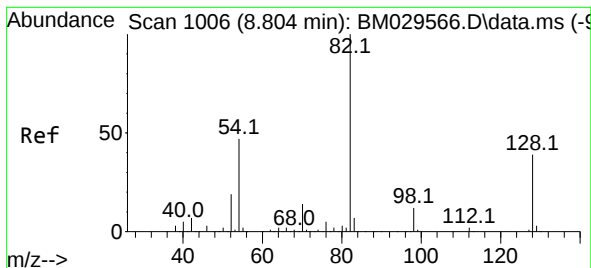
Tgt Ion:	99	Resp:	512866
Ion	Ratio	Lower	Upper
99	100		
42	19.9	18.0	27.0
71	37.9	30.9	46.3



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.398 min Scan# 1277
Delta R.T. -0.000 min
Lab File: BM029653.D
Acq: 26 Apr 2021 17:12

Tgt Ion:	136	Resp:	257803
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.4	12.6
54	6.7	5.5	8.3
68	5.2	4.2	6.2

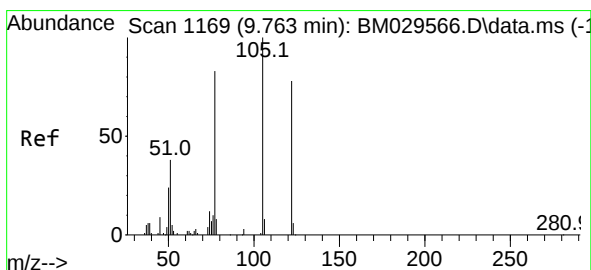
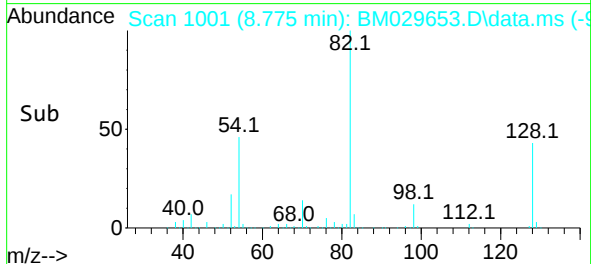
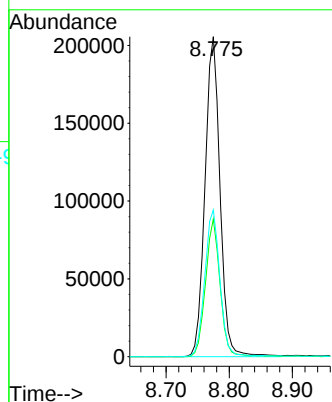
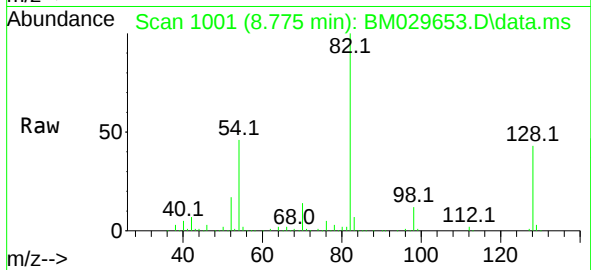




#23
Nitrobenzene-d5
Concen: 68.12 ng
RT: 8.775 min Scan# 1001
Delta R.T. 0.000 min
Lab File: BM029653.D
Acq: 26 Apr 2021 17:12

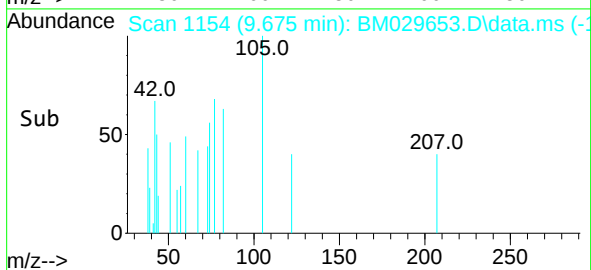
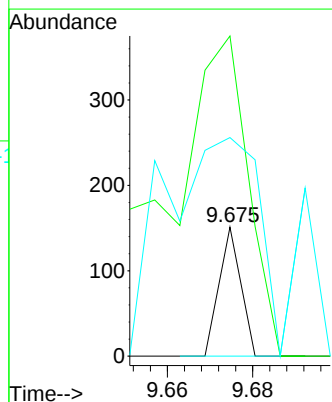
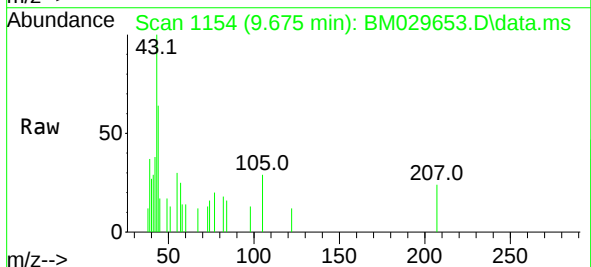
Instrument :
BNA_M
ClientSampleId :
CN-1

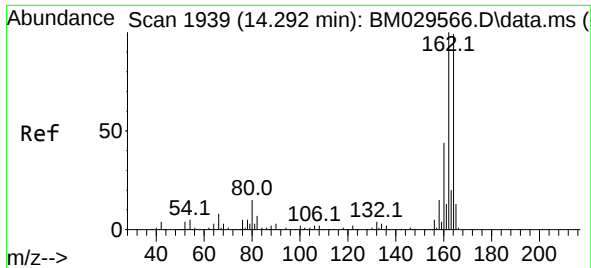
Tgt Ion: 82 Resp: 340976
Ion Ratio Lower Upper
82 100
128 43.0 31.1 46.7
54 45.9 37.3 55.9



#32
Benzoic acid
Concen: 7.23 ng
RT: 9.675 min Scan# 1154
Delta R.T. -0.059 min
Lab File: BM029653.D
Acq: 26 Apr 2021 17:12

Tgt Ion:122 Resp: 53
Ion Ratio Lower Upper
122 100
105 248.3 107.3 147.3#
77 169.5 88.0 128.0#

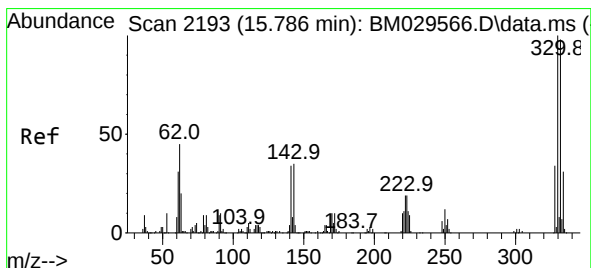
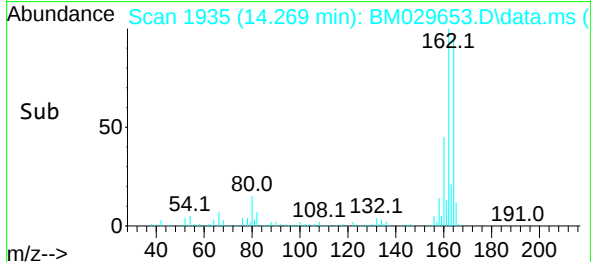
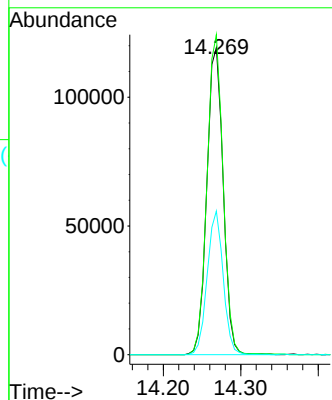
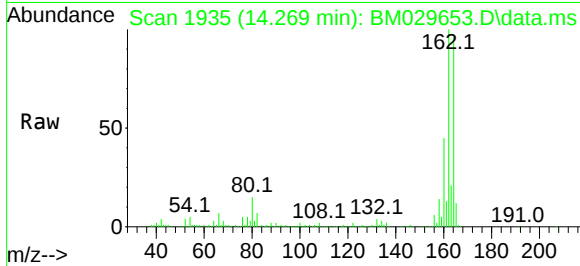




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.269 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BM029653.D
Acq: 26 Apr 2021 17:12

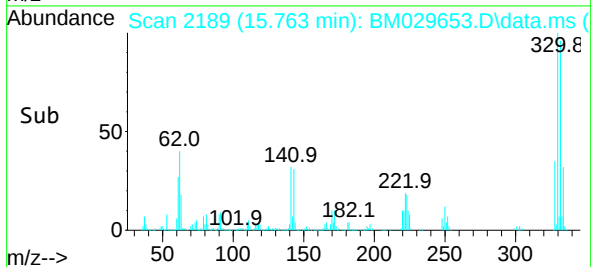
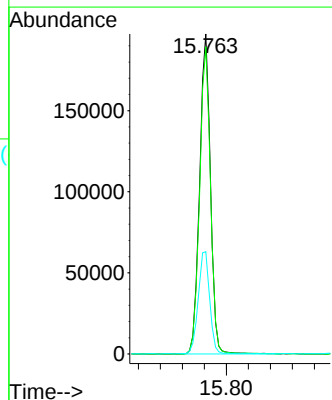
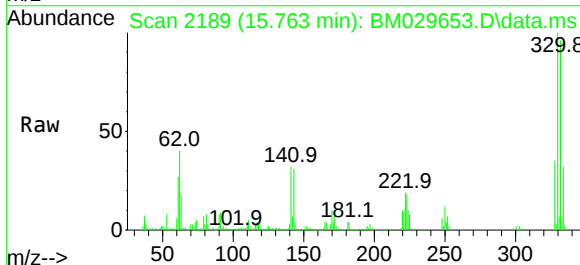
Instrument :
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ClientSampleId :
CN-1

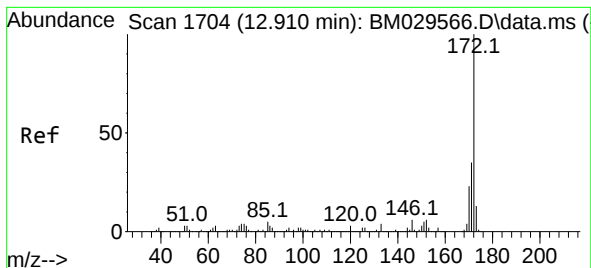
Tgt Ion:164 Resp: 174520
Ion Ratio Lower Upper
164 100
162 104.2 83.4 125.0
160 46.8 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 112.09 ng
RT: 15.763 min Scan# 2189
Delta R.T. 0.000 min
Lab File: BM029653.D
Acq: 26 Apr 2021 17:12

Tgt Ion:330 Resp: 270544
Ion Ratio Lower Upper
330 100
332 95.8 77.0 115.4
141 34.0 30.2 45.2

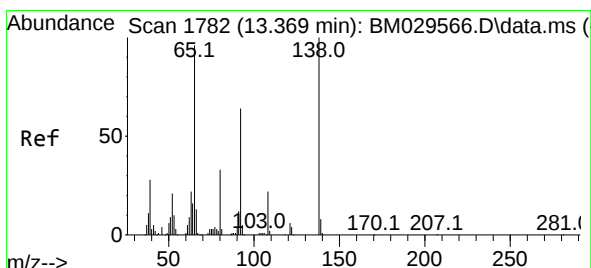
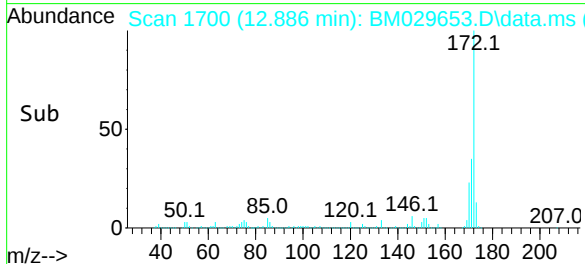
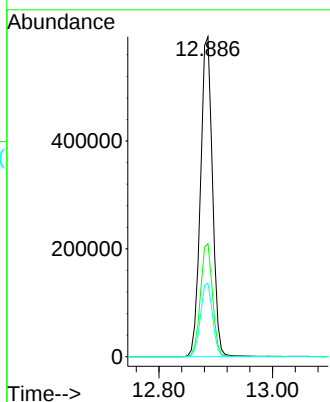
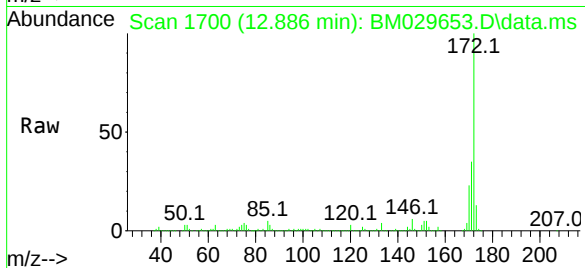




#45
2-Fluorobiphenyl
Concen: 67.71 ng
RT: 12.886 min Scan# 1700
Delta R.T. 0.000 min
Lab File: BM029653.D
Acq: 26 Apr 2021 17:12

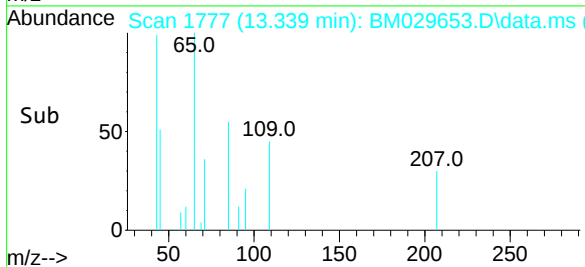
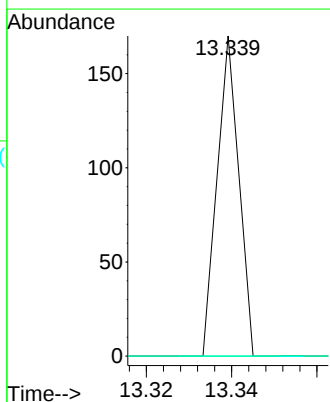
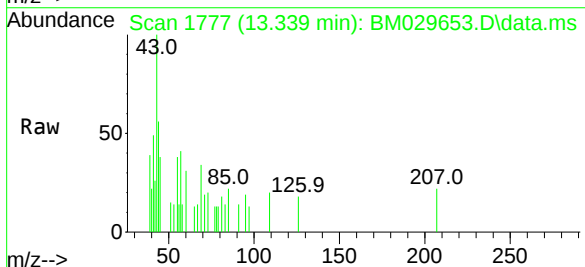
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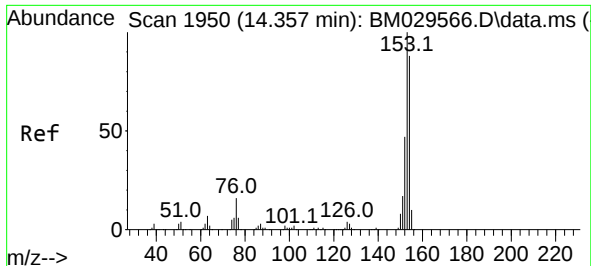
Tgt Ion:172 Resp: 870667
Ion Ratio Lower Upper
172 100
171 35.4 28.6 43.0
170 22.9 18.4 27.6



#48
2-Nitroaniline
Concen: 2.88 ng
RT: 13.339 min Scan# 1777
Delta R.T. -0.006 min
Lab File: BM029653.D
Acq: 26 Apr 2021 17:12

Tgt Ion: 65 Resp: 60
Ion Ratio Lower Upper
65 100
92 0.0 55.5 83.3#
138 0.0 85.7 128.5#

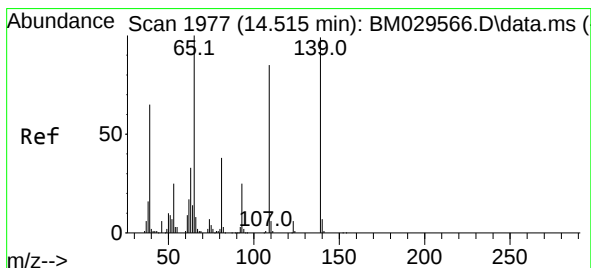
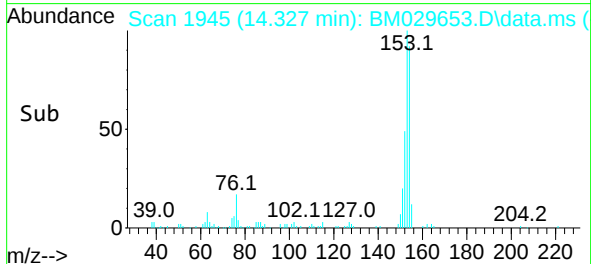
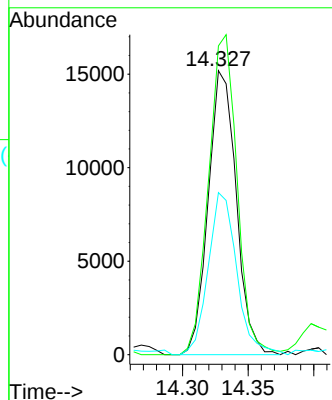
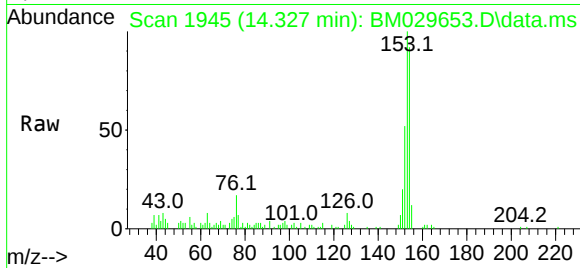




#52
Acenaphthene
Concen: 2.30 ng
RT: 14.327 min Scan# 1945
Delta R.T. -0.006 min
Lab File: BM029653.D
Acq: 26 Apr 2021 17:12

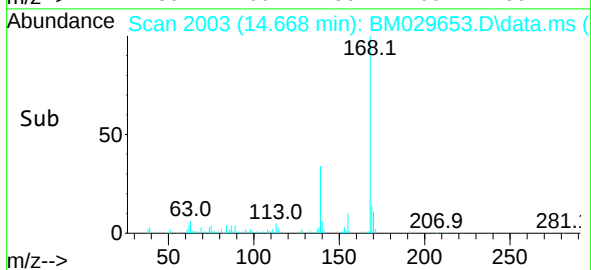
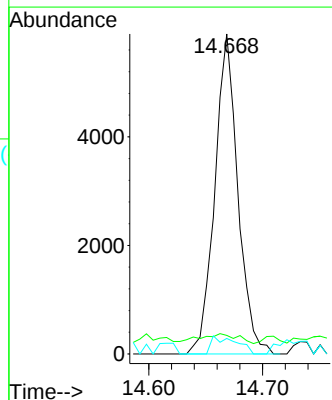
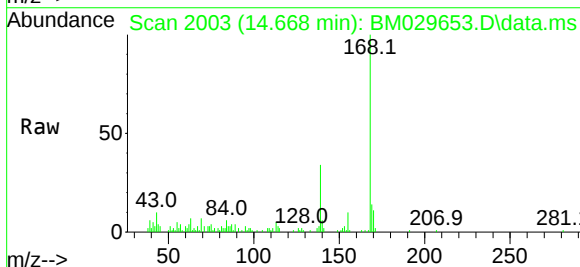
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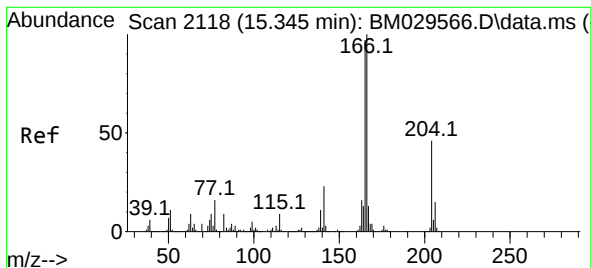
Tgt Ion:154 Resp: 22564
Ion Ratio Lower Upper
154 100
153 108.7 92.2 138.2
152 57.1 43.4 65.2



#56
4-Nitrophenol
Concen: 3.88 ng
RT: 14.668 min Scan# 2003
Delta R.T. 0.171 min
Lab File: BM029653.D
Acq: 26 Apr 2021 17:12

Tgt Ion:139 Resp: 8327
Ion Ratio Lower Upper
139 100
109 5.8 64.5 104.5#
65 4.9 78.9 118.9#





#58

Fluorene

Concen: 2.38 ng

RT: 15.315 min Scan# 2113

Delta R.T. -0.000 min

Lab File: BM029653.D

Acq: 26 Apr 2021 17:12

Instrument :

BNA_M

ClientSampled :

CN-1

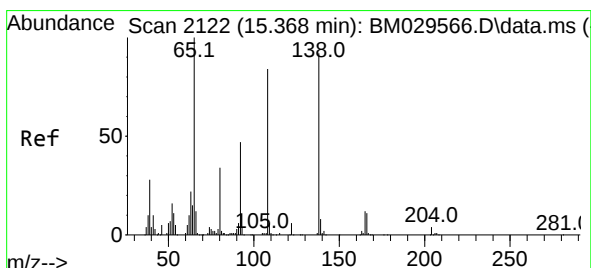
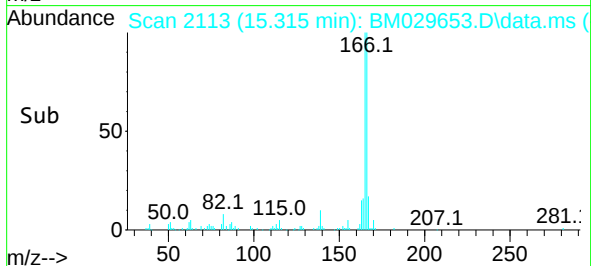
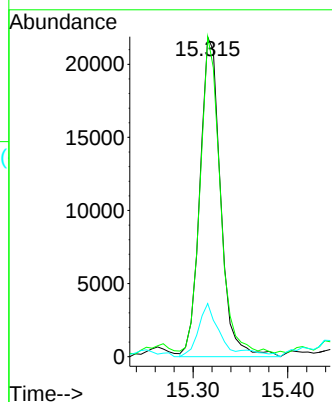
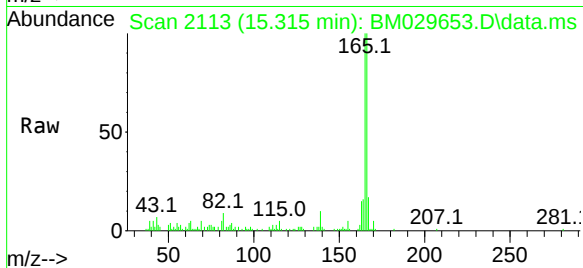
Tgt Ion:166 Resp: 33033

Ion Ratio Lower Upper

166 100

165 100.2 79.0 118.6

167 16.6 10.8 16.2#



#62

4-Nitroaniline

Concen: 3.62 ng

RT: 15.315 min Scan# 2113

Delta R.T. -0.029 min

Lab File: BM029653.D

Acq: 26 Apr 2021 17:12

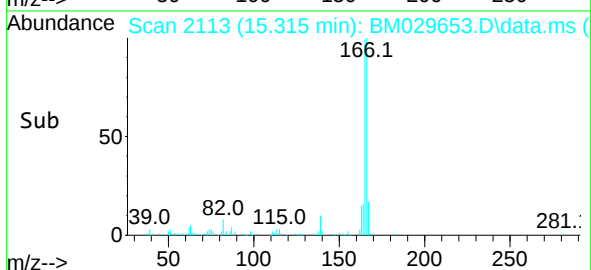
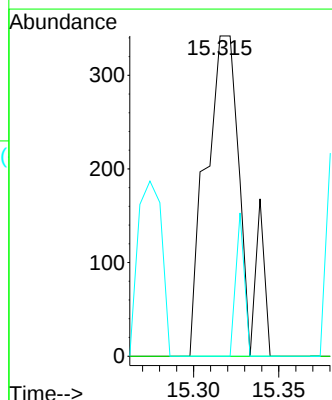
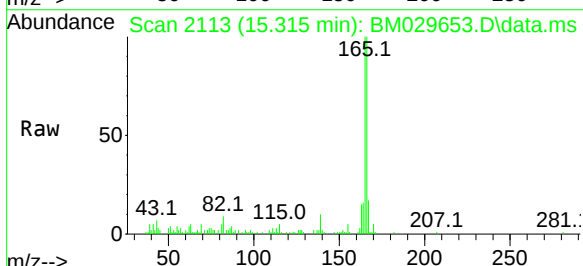
Tgt Ion:138 Resp: 508

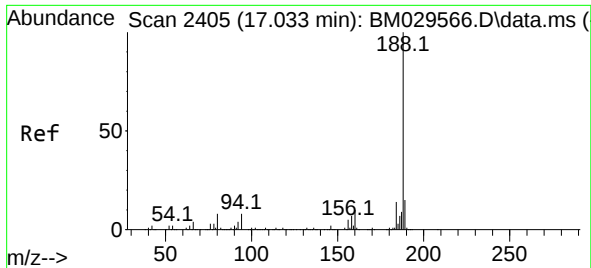
Ion Ratio Lower Upper

138 100

92 0.0 33.4 73.4#

108 0.0 75.5 115.5#

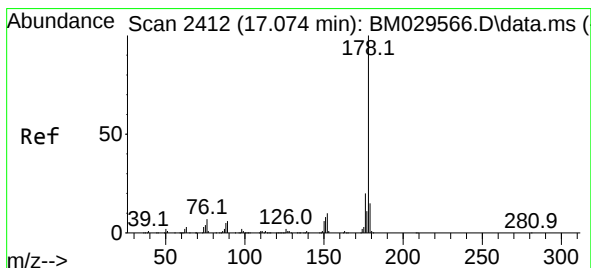
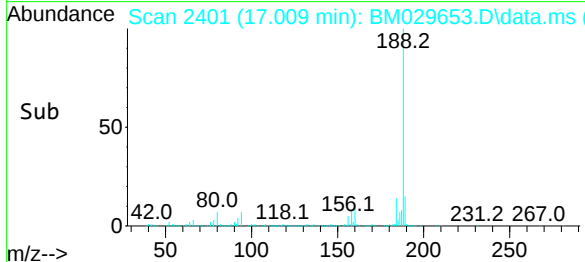
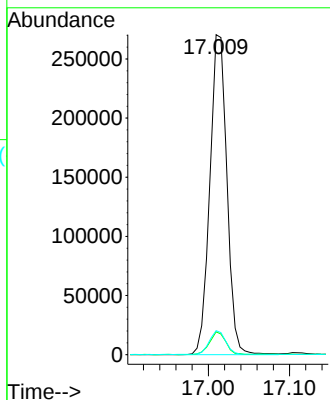
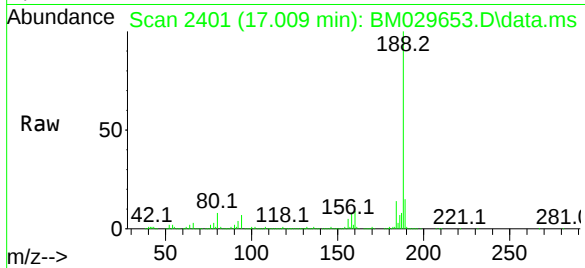




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.009 min Scan# 2401
Delta R.T. 0.000 min
Lab File: BM029653.D
Acq: 26 Apr 2021 17:12

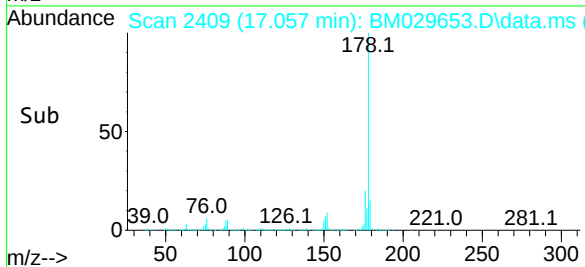
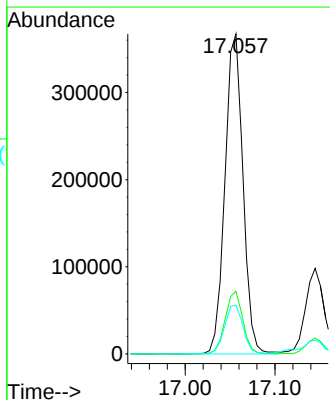
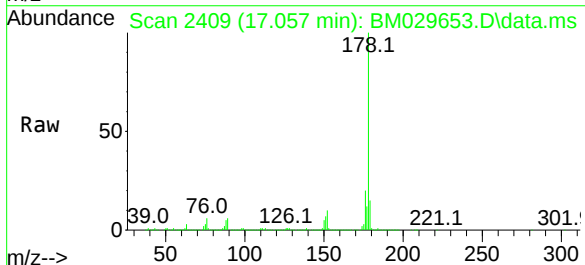
Instrument :
BNA_M
ClientSampleId :
CN-1

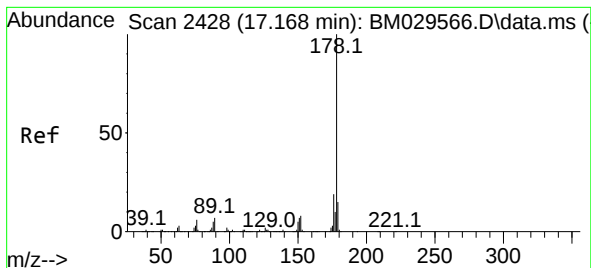
Tgt Ion:188 Resp: 395578
Ion Ratio Lower Upper
188 100
94 7.2 6.0 9.0
80 7.5 6.6 9.8



#71
Phenanthrene
Concen: 22.48 ng
RT: 17.057 min Scan# 2409
Delta R.T. 0.006 min
Lab File: BM029653.D
Acq: 26 Apr 2021 17:12

Tgt Ion:178 Resp: 511970
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.0
179 15.2 12.2 18.4





#72

Anthracene

Concen: 6.04 ng

RT: 17.145 min Scan# 2424

Delta R.T. 0.000 min

Lab File: BM029653.D

Acq: 26 Apr 2021 17:12

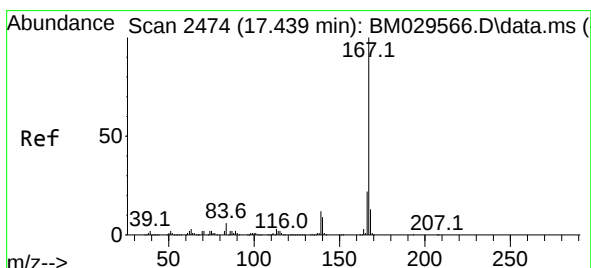
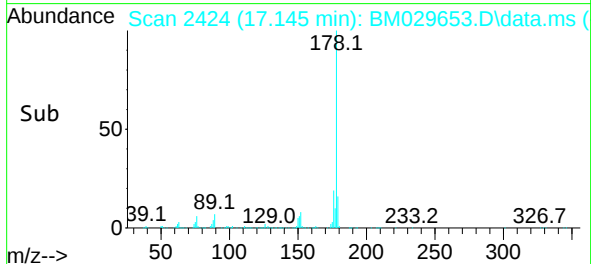
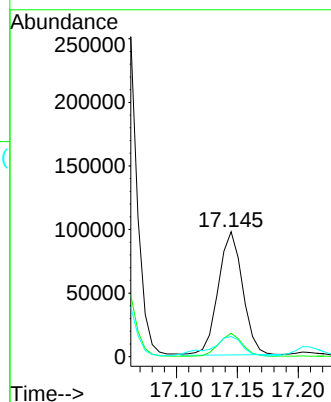
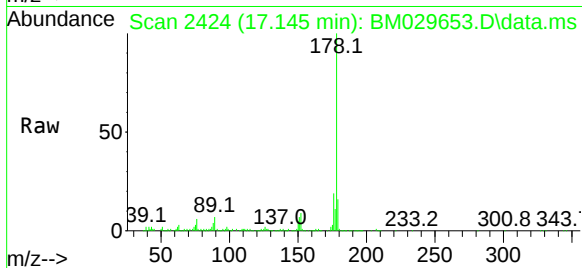
Tgt Ion:178 Resp: 135821

Ion Ratio Lower Upper

178 100

176 18.7 15.0 22.4

179 16.1 12.5 18.7



#73

Carbazole

Concen: 2.09 ng

RT: 17.415 min Scan# 2470

Delta R.T. -0.006 min

Lab File: BM029653.D

Acq: 26 Apr 2021 17:12

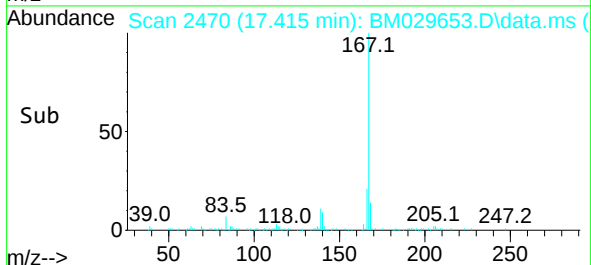
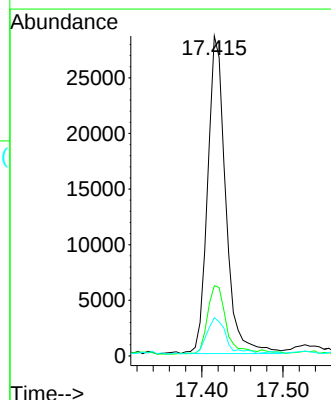
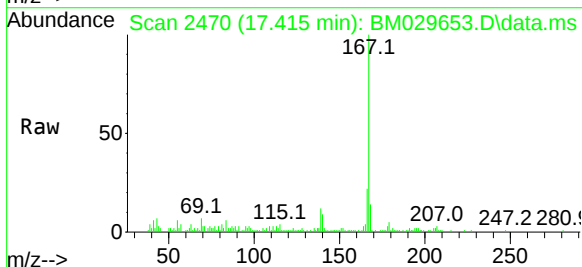
Tgt Ion:167 Resp: 44004

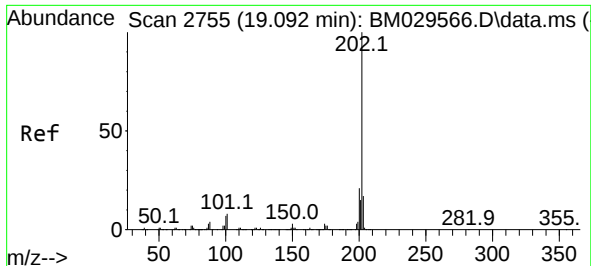
Ion Ratio Lower Upper

167 100

166 21.9 17.4 26.0

139 12.0 9.8 14.6

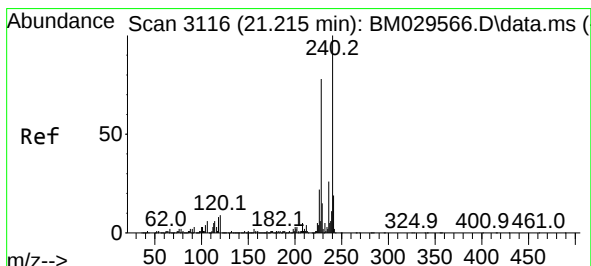
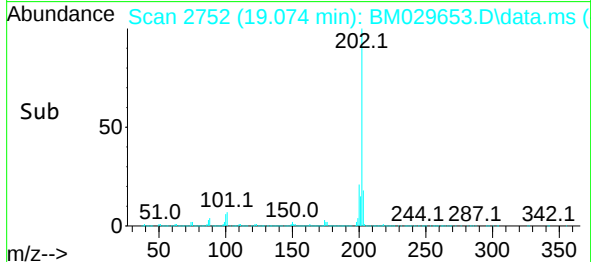
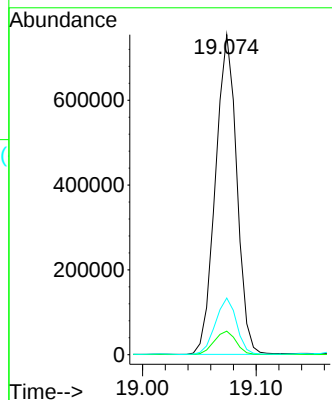
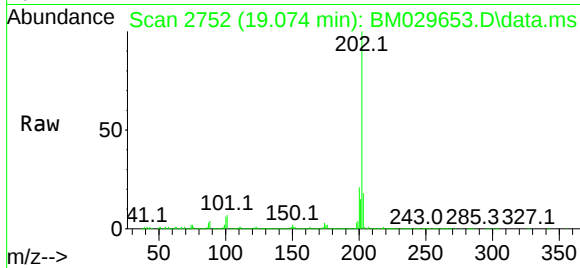




#75
Fluoranthene
Concen: 35.68 ng
RT: 19.074 min Scan# 2752
Delta R.T. 0.000 min
Lab File: BM029653.D
Acq: 26 Apr 2021 17:12

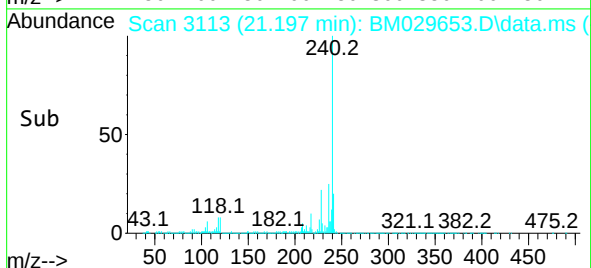
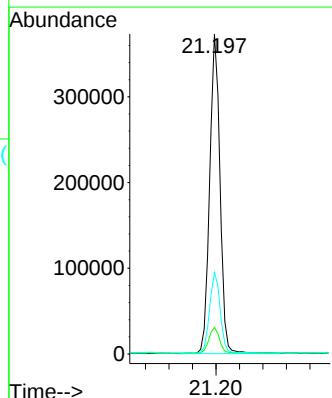
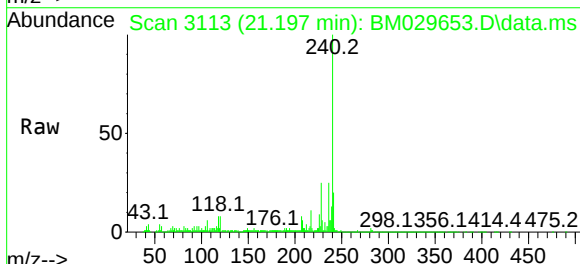
Instrument :
BNA_M
ClientSampled :
CN-1

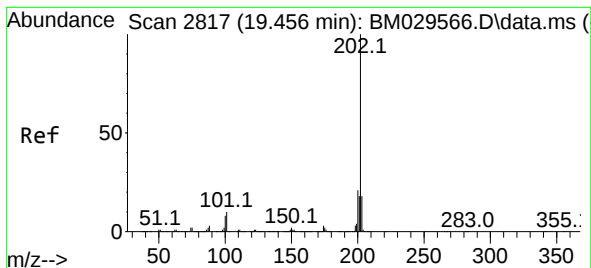
Tgt Ion:202 Resp: 985561
Ion Ratio Lower Upper
202 100
101 7.3 0.0 28.6
203 17.7 0.0 37.3



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.197 min Scan# 3113
Delta R.T. -0.000 min
Lab File: BM029653.D
Acq: 26 Apr 2021 17:12

Tgt Ion:240 Resp: 457556
Ion Ratio Lower Upper
240 100
120 8.3 7.0 10.6
236 25.5 21.0 31.4





#78

Pyrene

Concen: 30.75 ng

RT: 19.439 min Scan# 2814

Delta R.T. 0.006 min

Lab File: BM029653.D

Acq: 26 Apr 2021 17:12

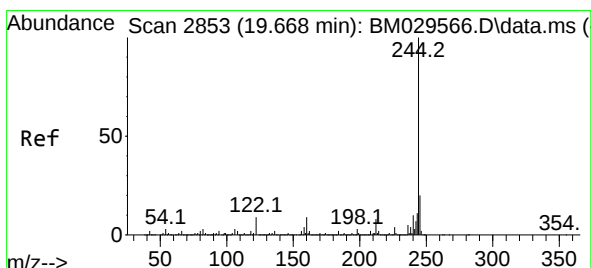
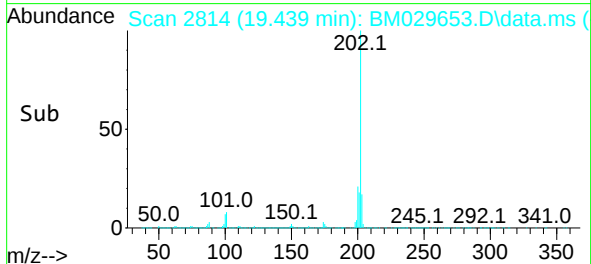
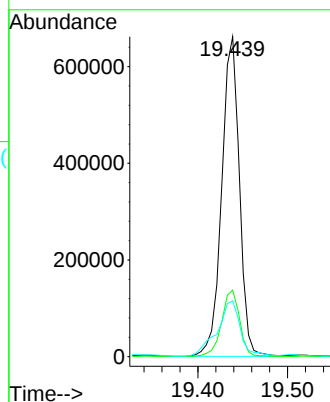
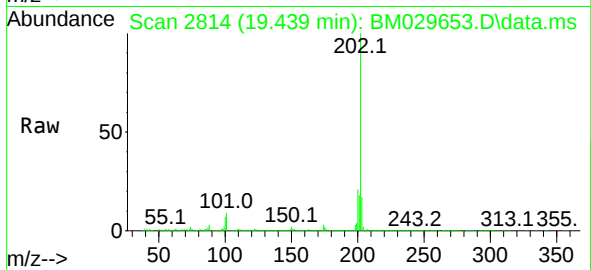
Tgt Ion:202 Resp: 905308

Ion Ratio Lower Upper

202 100

200 20.8 17.3 25.9

203 17.4 13.9 20.9



#79

Terphenyl-d14

Concen: 57.72 ng

RT: 19.645 min Scan# 2849

Delta R.T. 0.000 min

Lab File: BM029653.D

Acq: 26 Apr 2021 17:12

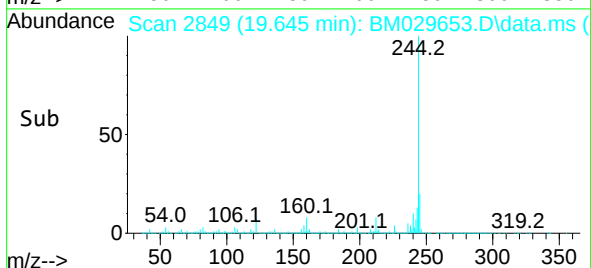
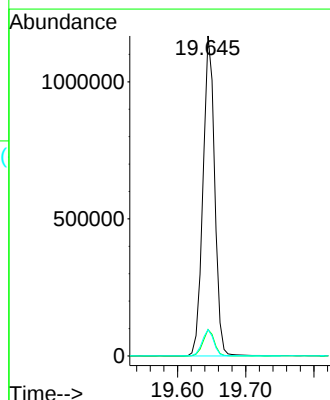
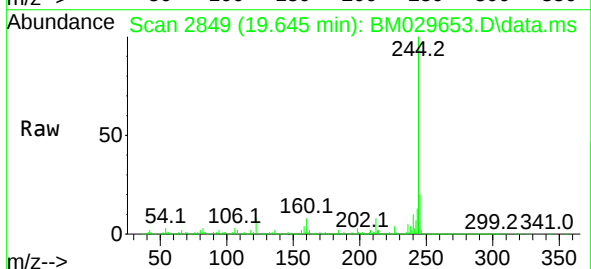
Tgt Ion:244 Resp: 1393161

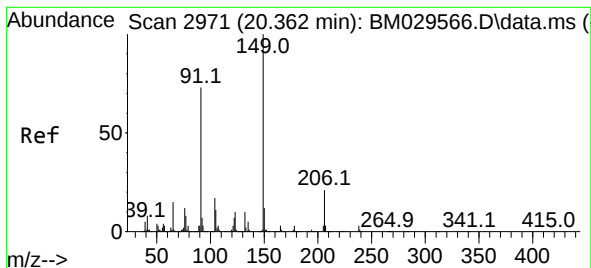
Ion Ratio Lower Upper

244 100

212 8.2 6.3 9.5

122 8.3 6.9 10.3





#80

Butylbenzylphthalate

Concen: 3.79 ng

RT: 20.345 min Scan# 2968

Delta R.T. -0.000 min

Lab File: BM029653.D

Acq: 26 Apr 2021 17:12

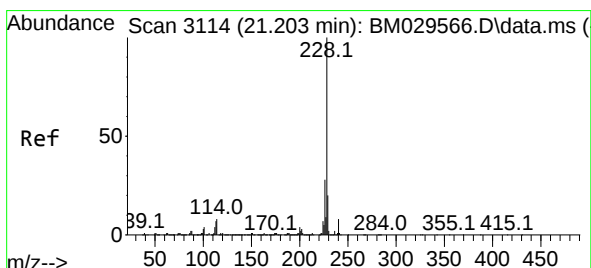
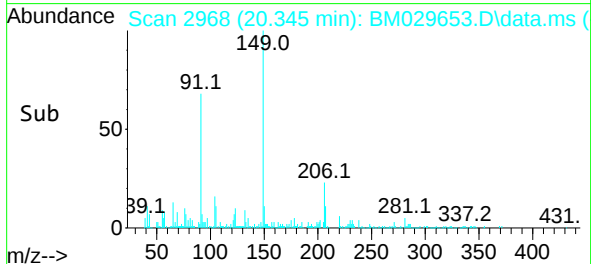
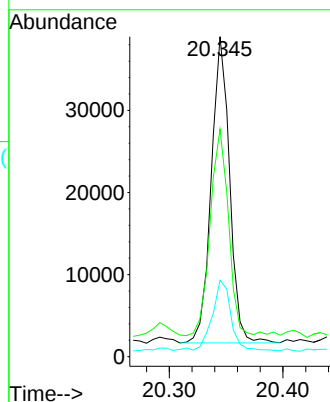
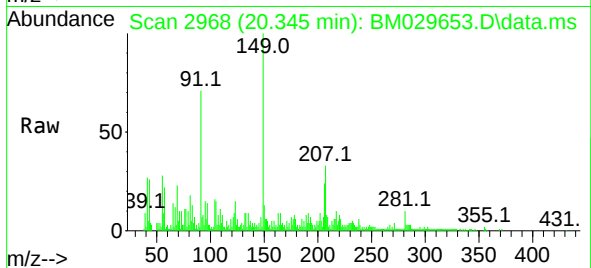
Instrument :

BNA_M

ClientSampleId :

CN-1

Tgt Ion:149	Resp:	41794
Ion Ratio	Lower	Upper
149	100	
91	71.1	57.4 86.0
206	23.9	16.6 25.0



#81

Benzo(a)anthracene

Concen: 16.50 ng

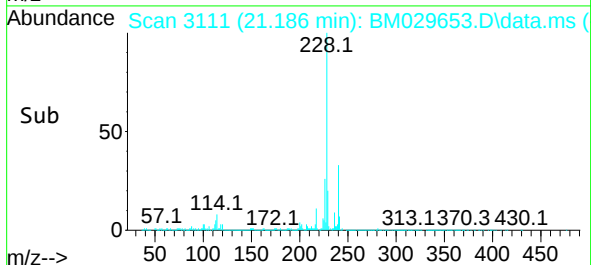
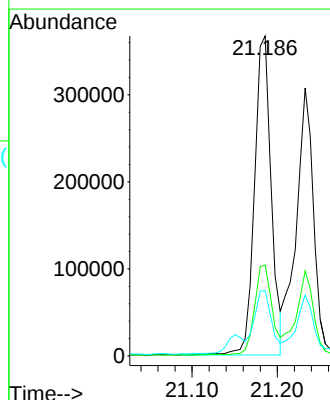
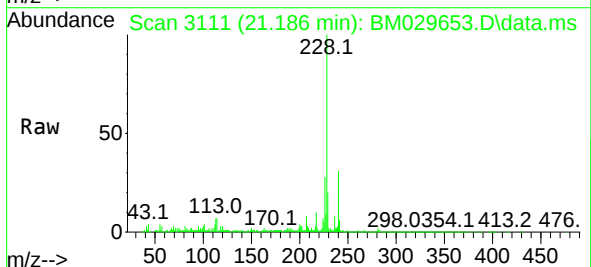
RT: 21.186 min Scan# 3111

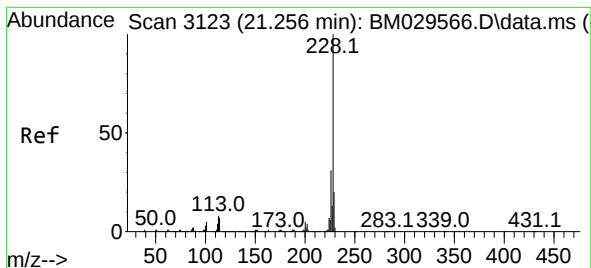
Delta R.T. 0.006 min

Lab File: BM029653.D

Acq: 26 Apr 2021 17:12

Tgt Ion:228	Resp:	499512
Ion Ratio	Lower	Upper
228	100	
226	28.4	22.3 33.5
229	20.4	15.7 23.5





#83

Chrysene

Concen: 14.75 ng

RT: 21.233 min Scan# 3119

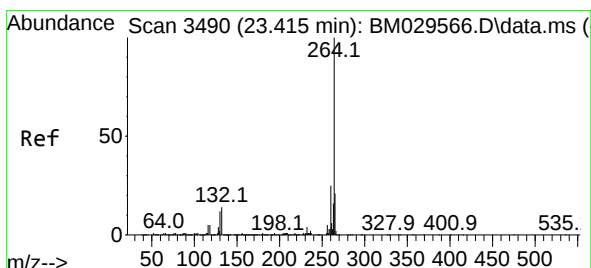
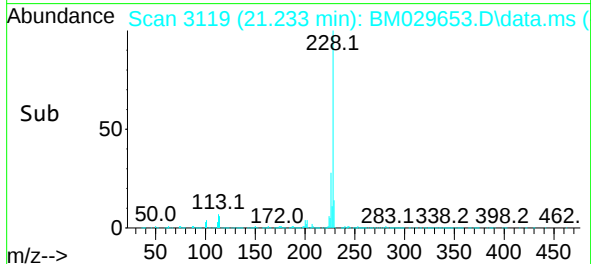
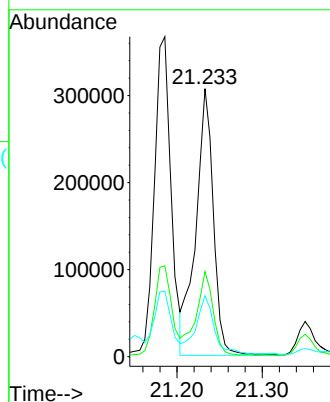
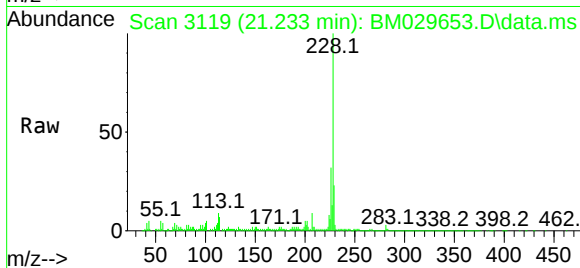
Delta R.T. 0.000 min

Lab File: BM029653.D

Acq: 26 Apr 2021 17:12

Tgt Ion:228 Resp: 438851

Ion	Ratio	Lower	Upper
228	100		
226	31.7	24.6	36.8
229	22.8	15.5	23.3



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.391 min Scan# 3486

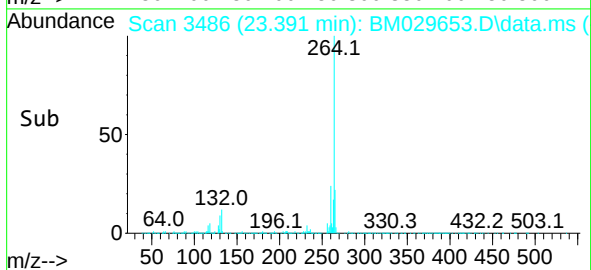
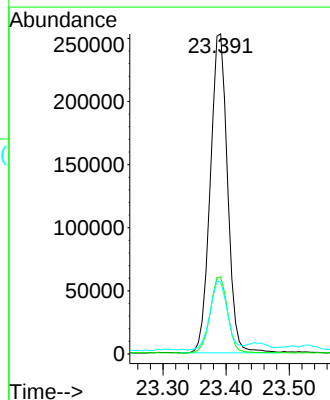
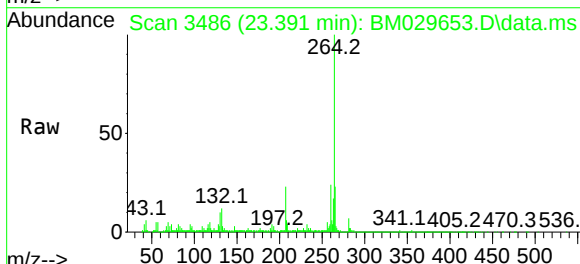
Delta R.T. 0.012 min

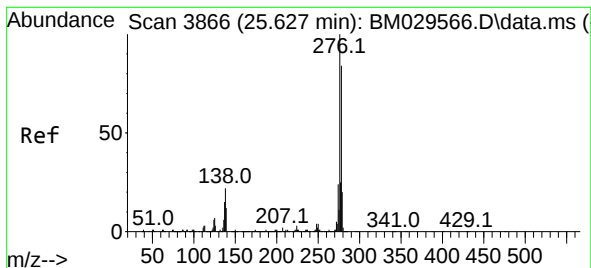
Lab File: BM029653.D

Acq: 26 Apr 2021 17:12

Tgt Ion:264 Resp: 479516

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.8	29.8
265	22.6	17.7	26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.99 ng

RT: 25.580 min Scan# 3858

Delta R.T. -0.000 min

Lab File: BM029653.D

Acq: 26 Apr 2021 17:12

Tgt Ion:276 Resp: 296385

Ion Ratio Lower Upper

276 100

138 17.6 17.1 25.7

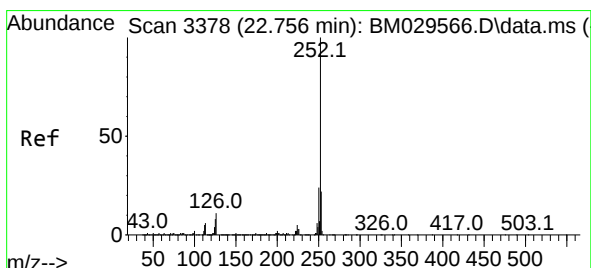
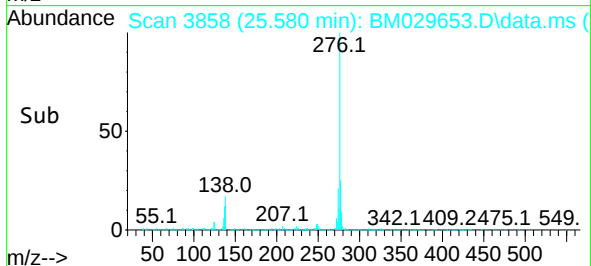
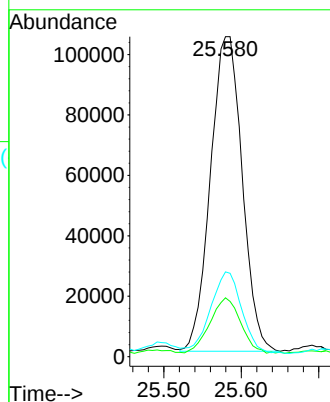
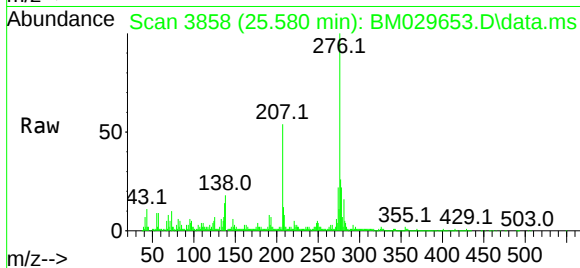
277 25.6 20.3 30.5

Instrument :

BNA_M

ClientSampled :

CN-1



#88

Benzo(b)fluoranthene

Concen: 18.83 ng

RT: 22.739 min Scan# 3375

Delta R.T. 0.012 min

Lab File: BM029653.D

Acq: 26 Apr 2021 17:12

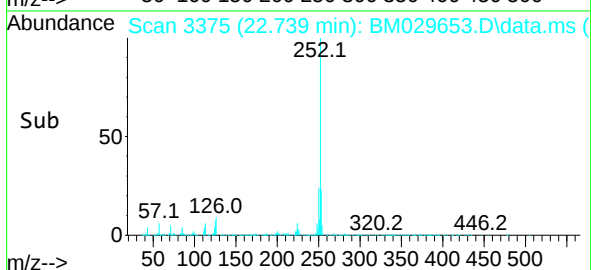
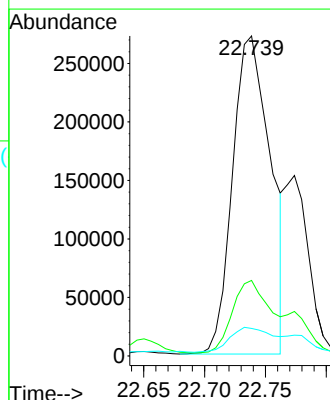
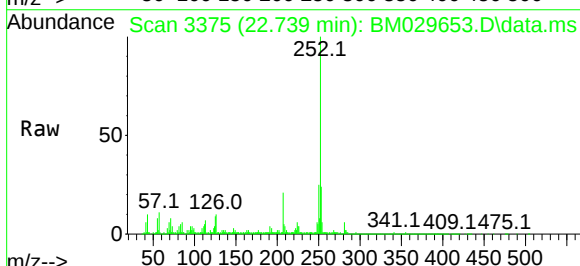
Tgt Ion:252 Resp: 588745

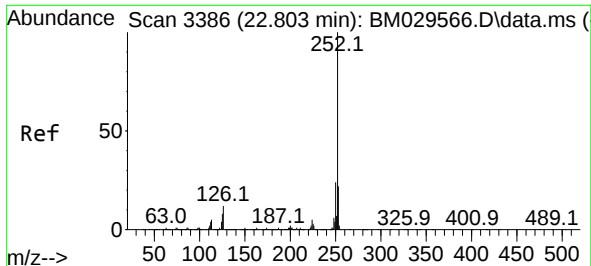
Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.0

125 8.6 6.8 10.2

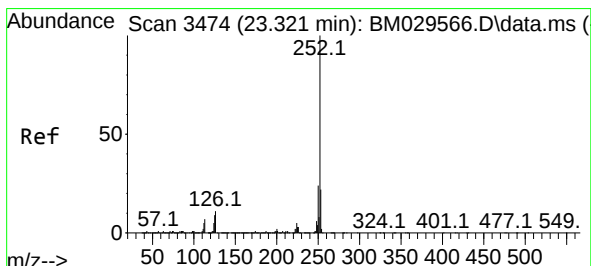
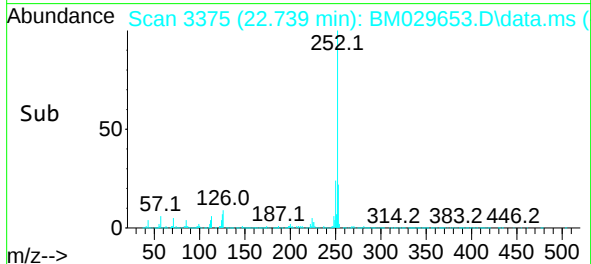
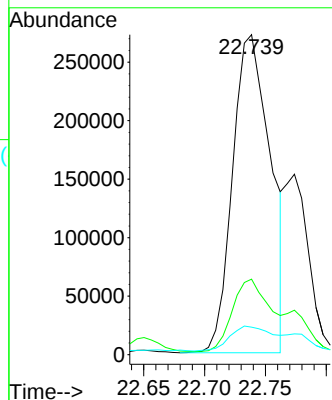
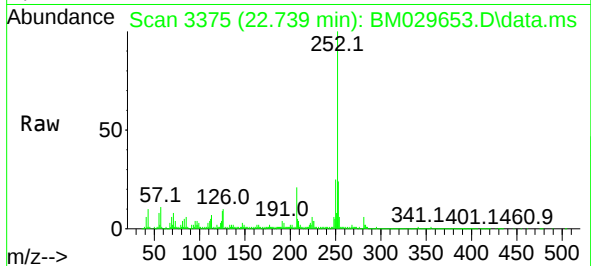




#89
Benzo(k)fluoranthene
Concen: 18.79 ng
RT: 22.739 min Scan# 3375
Delta R.T. -0.035 min
Lab File: BM029653.D
Acq: 26 Apr 2021 17:12

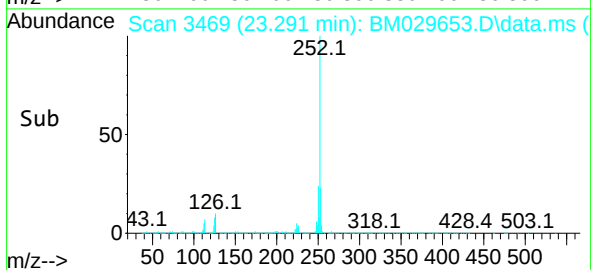
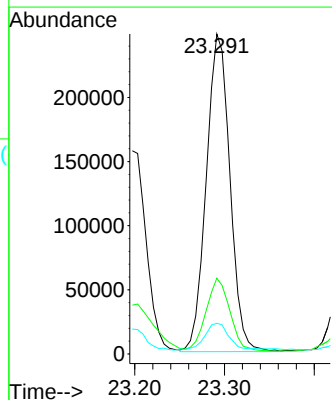
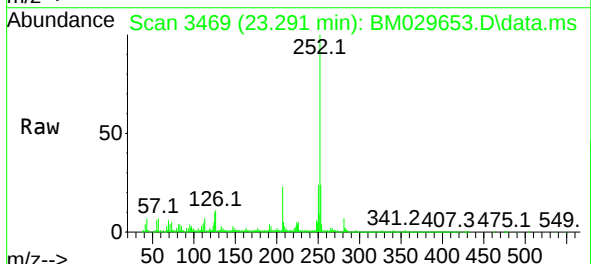
Instrument :
BNA_M
ClientSampled :
CN-1

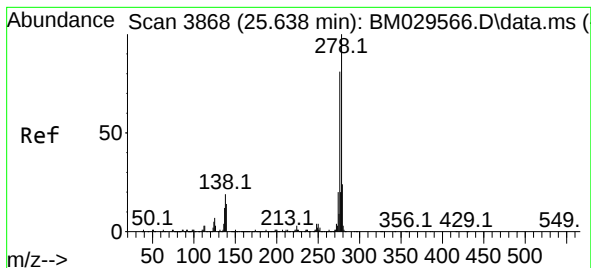
Tgt Ion:252 Resp: 588745
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.2
125 8.6 6.2 9.2



#90
Benzo(a)pyrene
Concen: 15.45 ng
RT: 23.291 min Scan# 3469
Delta R.T. 0.006 min
Lab File: BM029653.D
Acq: 26 Apr 2021 17:12

Tgt Ion:252 Resp: 453730
Ion Ratio Lower Upper
252 100
253 23.7 17.7 26.5
125 9.6 7.3 10.9

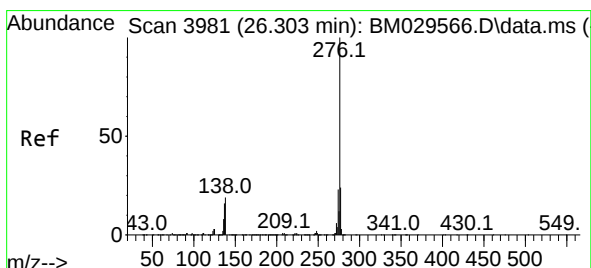
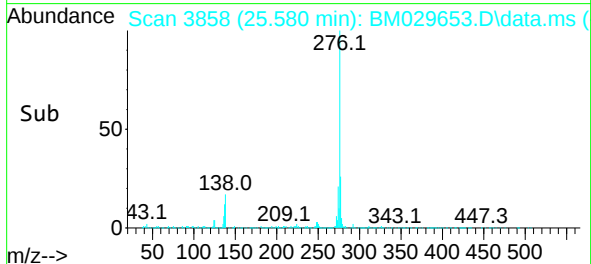
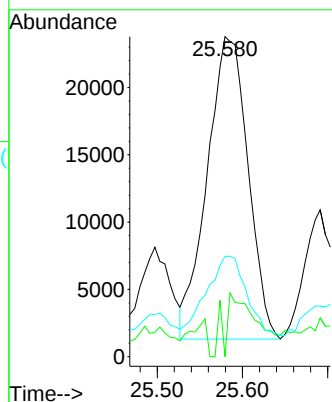
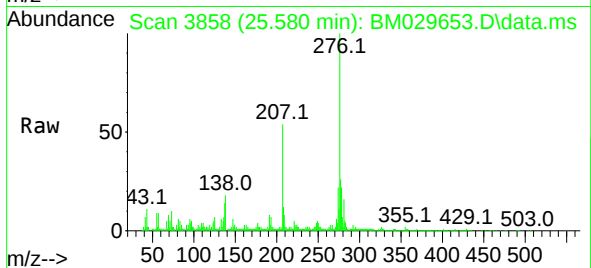




#91
Dibenzo(a,h)anthracene
Concen: 2.34 ng
RT: 25.580 min Scan# 3858
Delta R.T. -0.012 min
Lab File: BM029653.D
Acq: 26 Apr 2021 17:12

Instrument :
BNA_M
ClientSampled :
CN-1

Tgt Ion:278 Resp: 74933
Ion Ratio Lower Upper
278 100
139 0.0 11.0 16.4#
279 31.4 18.7 28.1#



#92
Benzo(g,h,i)perylene
Concen: 10.04 ng
RT: 26.256 min Scan# 3973
Delta R.T. 0.006 min
Lab File: BM029653.D
Acq: 26 Apr 2021 17:12

Tgt Ion:276 Resp: 296779
Ion Ratio Lower Upper
276 100
277 24.6 19.4 29.2
138 17.4 14.4 21.6

