

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012221\
 Data File : BM028522.D
 Acq On : 22 Jan 2021 17:28
 Operator : CG/JU
 Sample : M1188-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-230

Quant Time: Jan 22 22:21:25 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM012021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 22 10:45:04 2021
 Response via : Initial Calibration

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

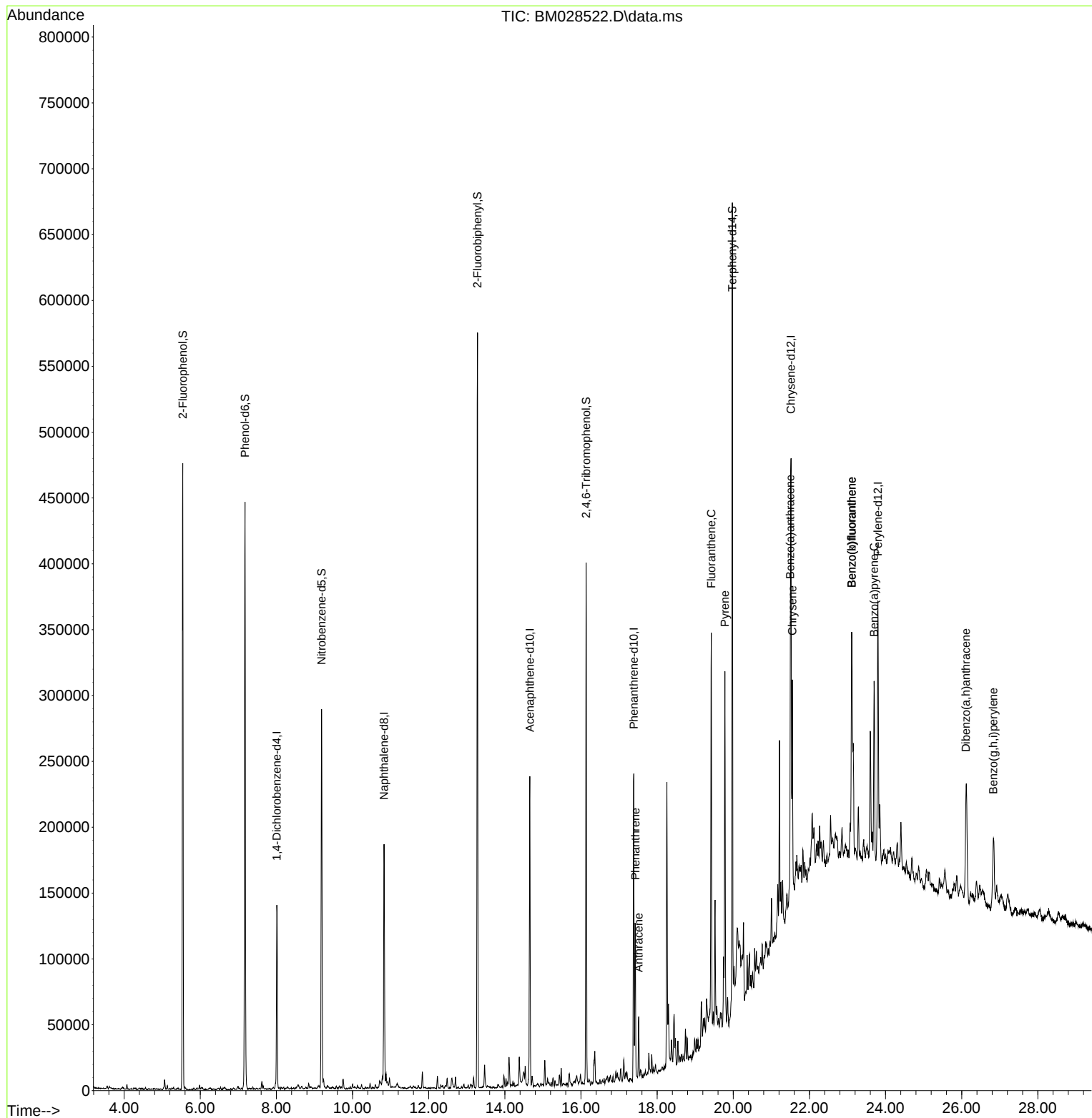
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.010	152	37827	20.00	ng	0.00
21) Naphthalene-d8	10.828	136	146774	20.00	ng	# 0.00
39) Acenaphthene-d10	14.657	164	75976	20.00	ng	0.00
64) Phenanthrene-d10	17.386	188	129862	20.00	ng	# 0.00
76) Chrysene-d12	21.515	240	116621	20.00	ng	# 0.00
86) Perylene-d12	23.797	264	129035	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.540	112	189753	79.24	ng	0.00
7) Phenol-d6	7.175	99	238977	73.30	ng	0.00
23) Nitrobenzene-d5	9.187	82	153128	49.48	ng	-0.01
42) 2,4,6-Tribromophenol	16.133	330	65542	65.11	ng	-0.01
45) 2-Fluorobiphenyl	13.280	172	278954	46.06	ng	0.00
79) Terphenyl-d14	19.974	244	239742	37.12	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.427	178	68428	8.57	ng	99
72) Anthracene	17.515	178	27973	3.63	ng	98
75) Fluoranthene	19.421	202	154645	17.24	ng	97
78) Pyrene	19.780	202	144569	17.29	ng	98
81) Benzo(a)anthracene	21.497	228	91819	11.40	ng	97
83) Chrysene	21.550	228	86972	11.19	ng	97
88) Benzo(b)fluoranthene	23.109	252	135951	15.52	ng	# 95
89) Benzo(k)fluoranthene	23.109	252	135951	15.89	ng	# 95
90) Benzo(a)pyrene	23.697	252	88979	10.96	ng	# 92
91) Dibenzo(a,h)anthracene	26.109	278	18858	2.37	ng	# 81
92) Benzo(g,h,i)perylene	26.832	276	61415	7.85	ng	# 90

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

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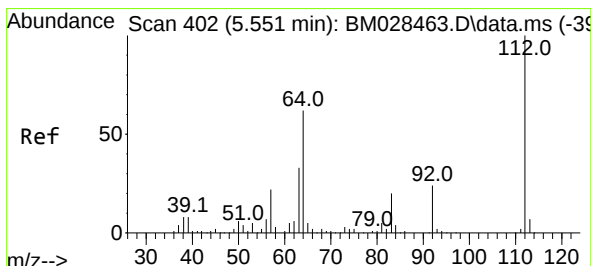
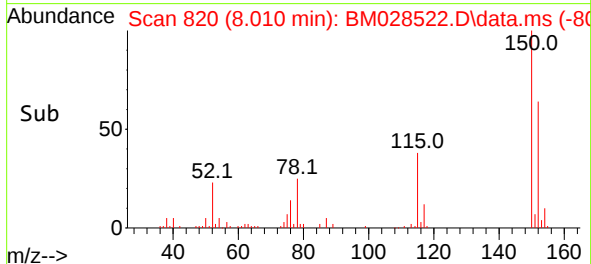
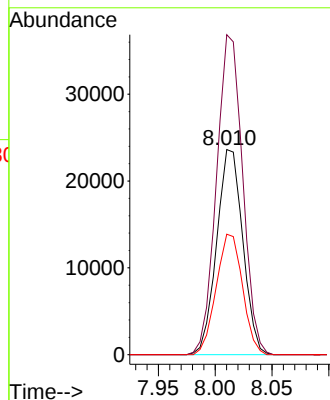
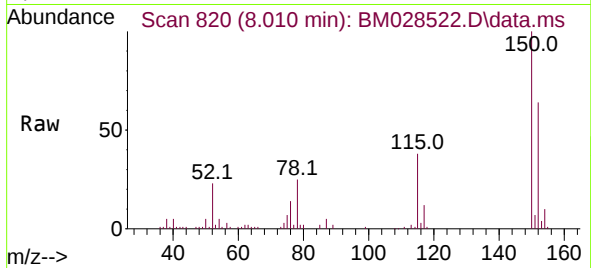




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.010 min Scan# 820
Delta R.T. -0.006 min
Lab File: BM028522.D
Acq: 22 Jan 2021 17:28

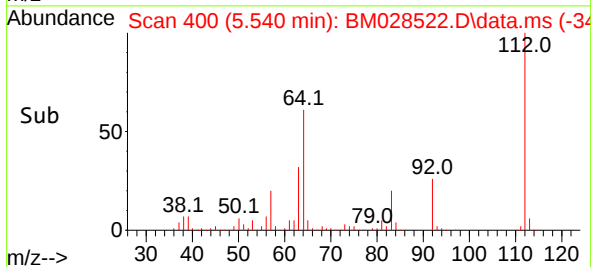
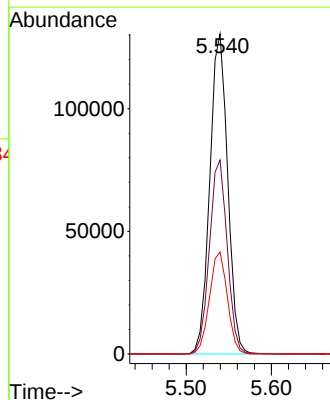
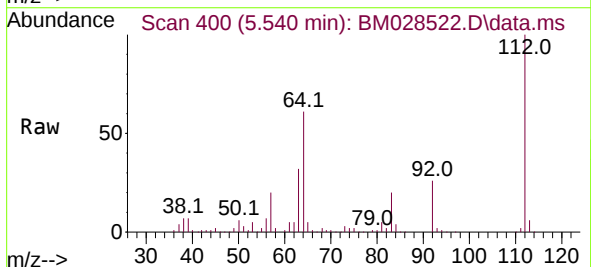
Instrument :
BNA_M
ClientSampleId :
TP-230

Tgt Ion:152 Resp: 37827
Ion Ratio Lower Upper
152 100
150 156.0 120.6 181.0
115 58.8 47.2 70.8



#5
2-Fluorophenol
Concen: 79.24 ng
RT: 5.540 min Scan# 400
Delta R.T. -0.000 min
Lab File: BM028522.D
Acq: 22 Jan 2021 17:28

Tgt Ion:112 Resp: 189753
Ion Ratio Lower Upper
112 100
64 60.6 50.6 76.0
63 31.9 31.0 46.6

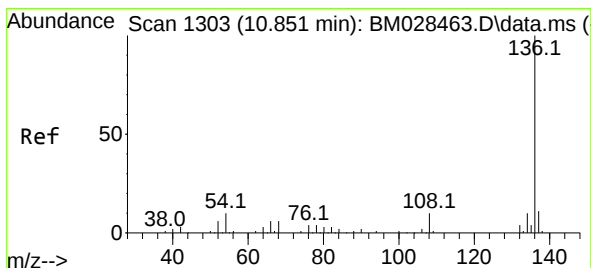
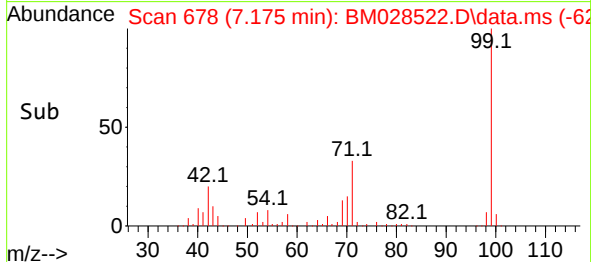
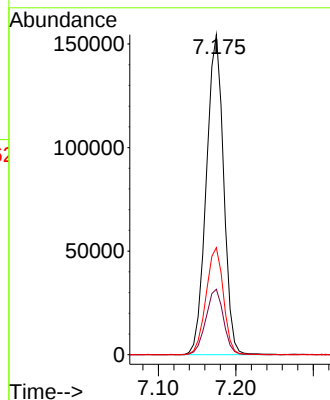
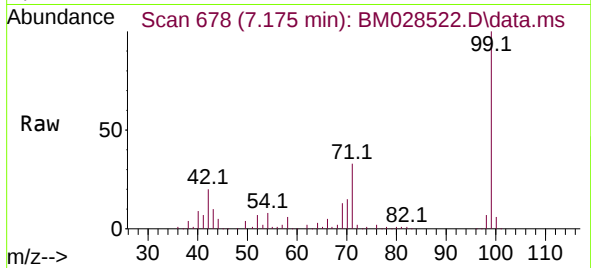




#7
Phenol-d6
Concen: 73.30 ng
RT: 7.175 min Scan# 678
Delta R.T. -0.006 min
Lab File: BM028522.D
Acq: 22 Jan 2021 17:28

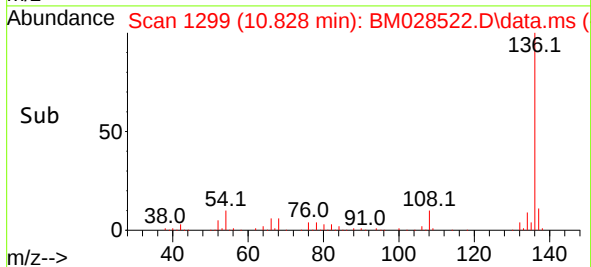
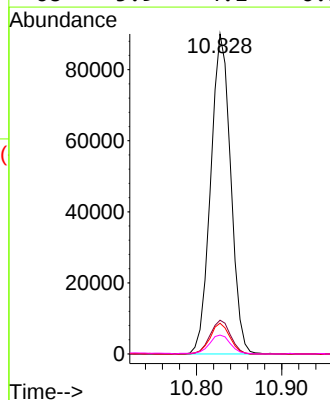
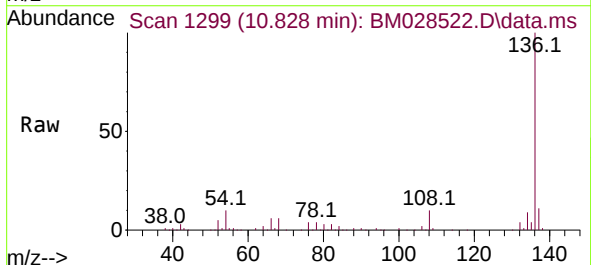
Instrument :
BNA_M
ClientSampled :
TP-230

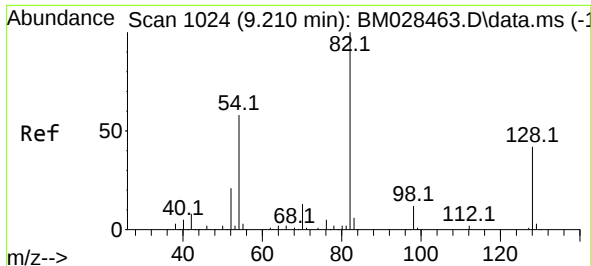
Tgt Ion: 99 Resp: 238977
Ion Ratio Lower Upper
99 100
42 20.5 13.5 20.3#
71 33.4 39.4 59.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.828 min Scan# 1299
Delta R.T. -0.006 min
Lab File: BM028522.D
Acq: 22 Jan 2021 17:28

Tgt Ion: 136 Resp: 146774
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 9.6 4.6 7.0#
68 5.9 4.1 6.1

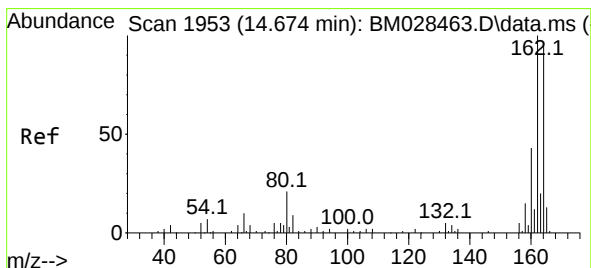
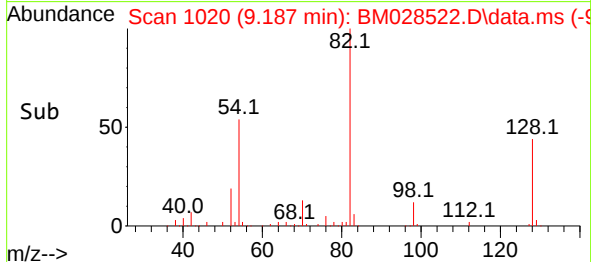
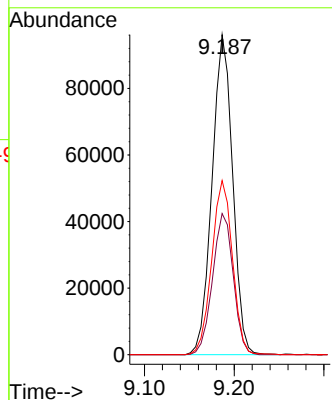
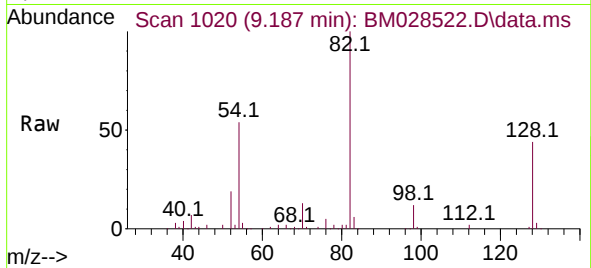




#23
Nitrobenzene-d5
Concen: 49.48 ng
RT: 9.187 min Scan# 1020
Delta R.T. -0.012 min
Lab File: BM028522.D
Acq: 22 Jan 2021 17:28

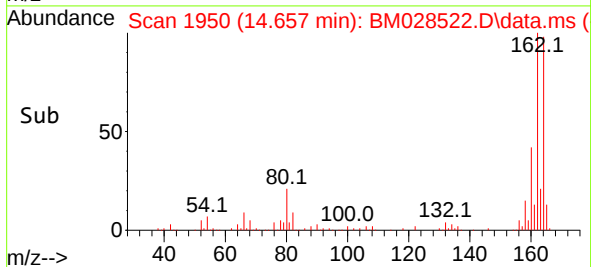
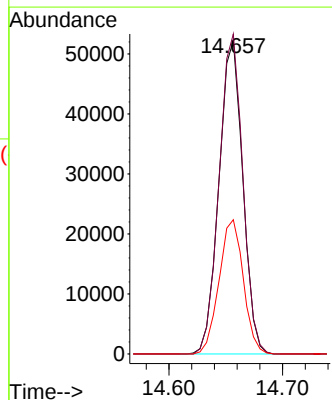
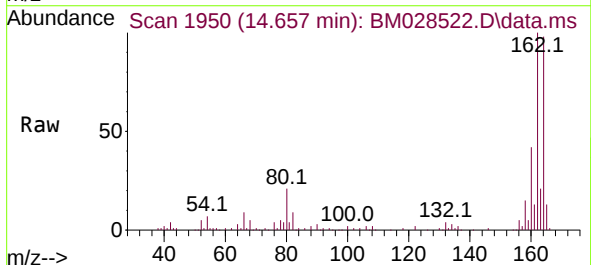
Instrument :
BNA_M
ClientSampled :
TP-230

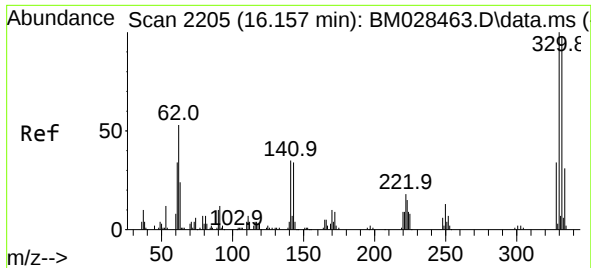
Tgt Ion: 82 Resp: 153128
Ion Ratio Lower Upper
82 100
128 44.1 27.4 41.0#
54 54.4 31.4 47.0#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.657 min Scan# 1950
Delta R.T. -0.006 min
Lab File: BM028522.D
Acq: 22 Jan 2021 17:28

Tgt Ion:164 Resp: 75976
Ion Ratio Lower Upper
164 100
162 102.1 80.4 120.6
160 42.8 35.9 53.9

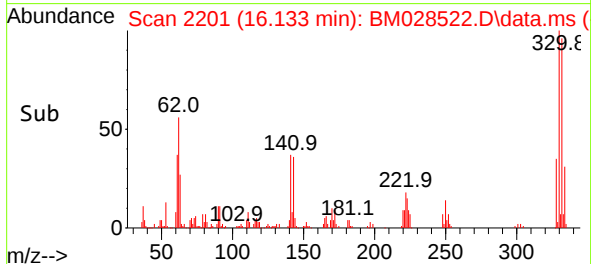
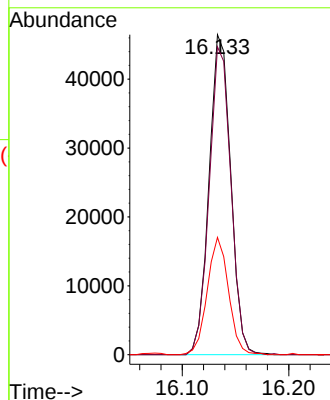
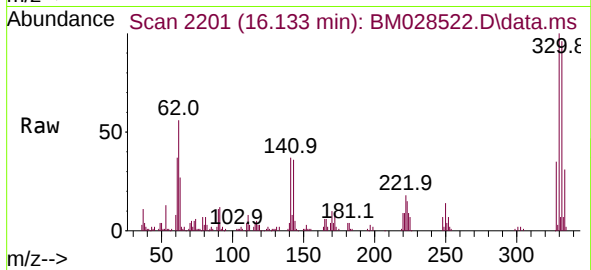




#42
2,4,6-Tribromophenol
Concen: 65.11 ng
RT: 16.133 min Scan# 2201
Delta R.T. -0.012 min
Lab File: BM028522.D
Acq: 22 Jan 2021 17:28

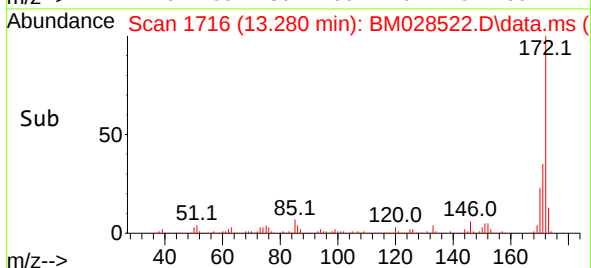
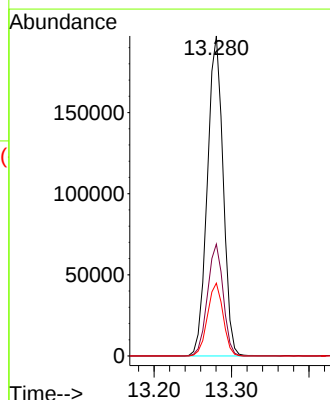
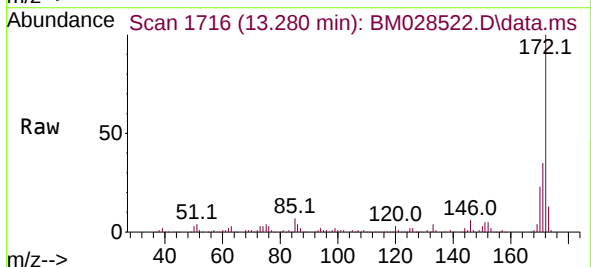
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ClientSampleId :
TP-230

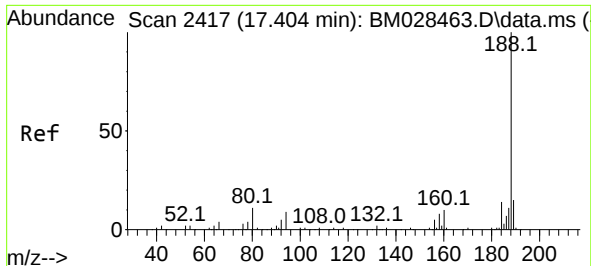
Tgt Ion:330 Resp: 65542
Ion Ratio Lower Upper
330 100
332 96.2 77.8 116.8
141 36.1 28.4 42.6



#45
2-Fluorobiphenyl
Concen: 46.06 ng
RT: 13.280 min Scan# 1716
Delta R.T. -0.006 min
Lab File: BM028522.D
Acq: 22 Jan 2021 17:28

Tgt Ion:172 Resp: 278954
Ion Ratio Lower Upper
172 100
171 34.9 27.8 41.8
170 22.7 18.6 27.8

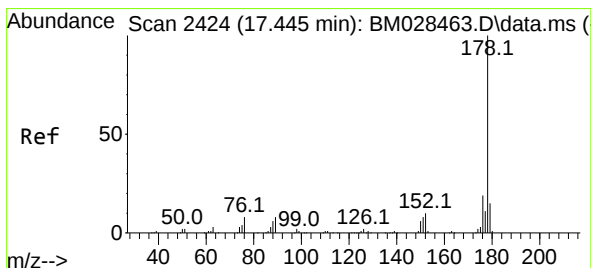
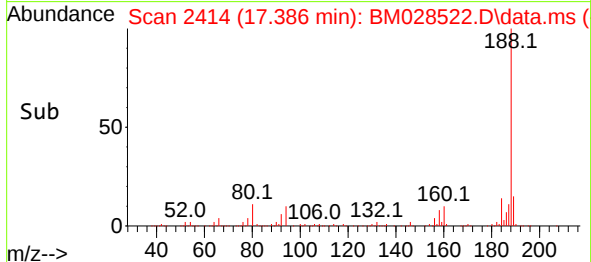
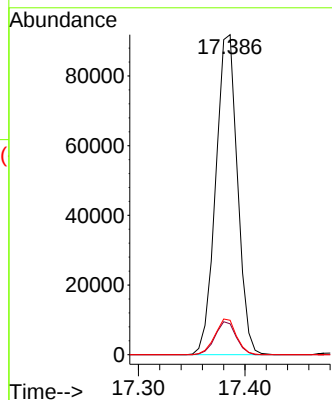
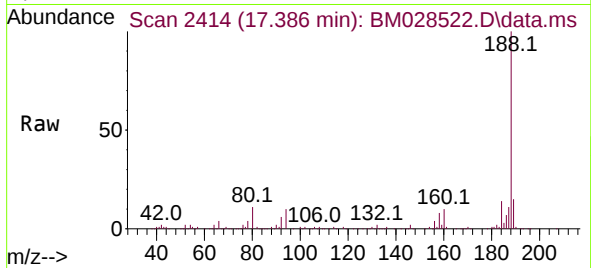




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.386 min Scan# 2414
Delta R.T. -0.000 min
Lab File: BM028522.D
Acq: 22 Jan 2021 17:28

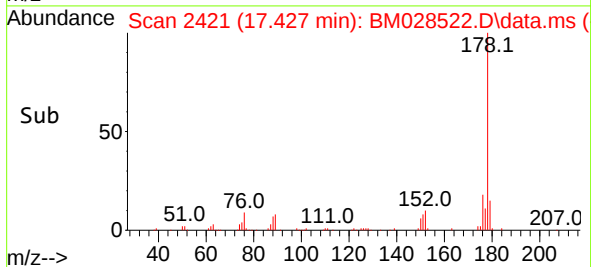
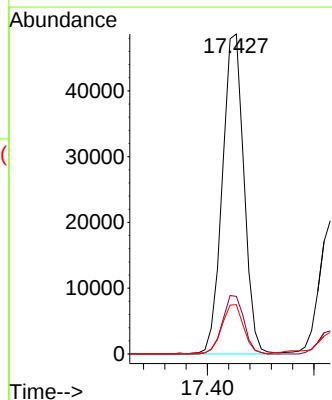
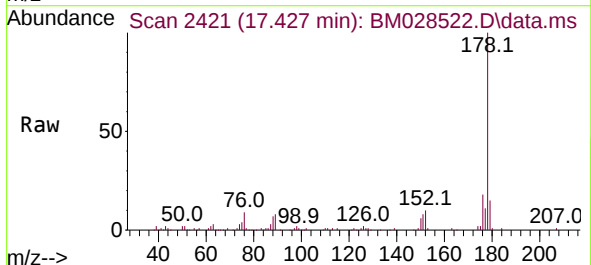
Instrument :
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ClientSampled :
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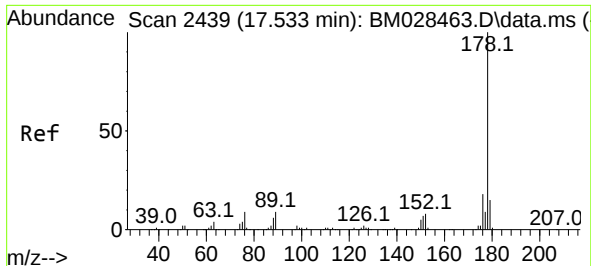
Tgt Ion:188 Resp: 129862
Ion Ratio Lower Upper
188 100
94 9.7 6.2 9.4#
80 10.8 7.5 11.3



#71
Phenanthrene
Concen: 8.57 ng
RT: 17.427 min Scan# 2421
Delta R.T. -0.000 min
Lab File: BM028522.D
Acq: 22 Jan 2021 17:28

Tgt Ion:178 Resp: 68428
Ion Ratio Lower Upper
178 100
176 18.0 15.0 22.6
179 15.4 12.2 18.4

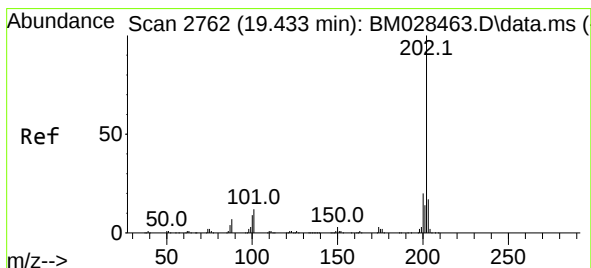
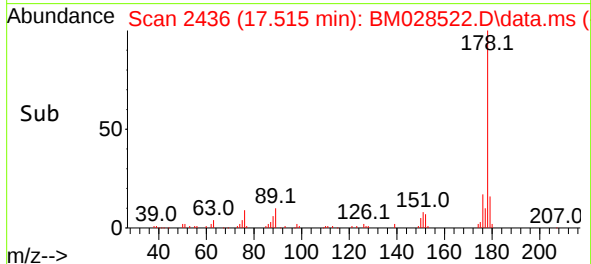
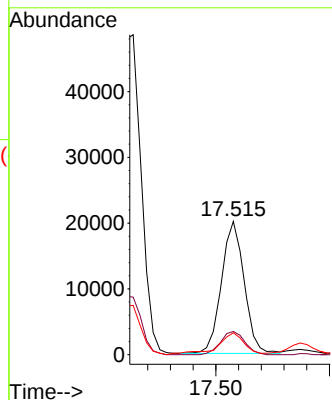
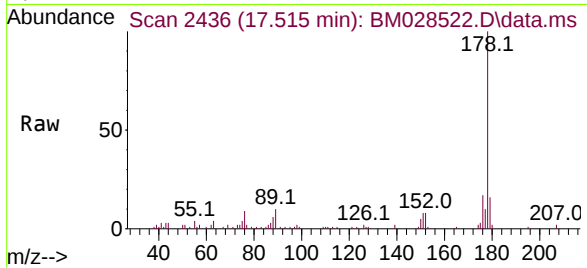




#72
 Anthracene
 Concen: 3.63 ng
 RT: 17.515 min Scan# 2436
 Delta R.T. -0.006 min
 Lab File: BM028522.D
 Acq: 22 Jan 2021 17:28

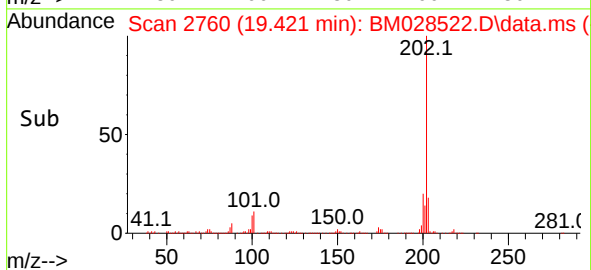
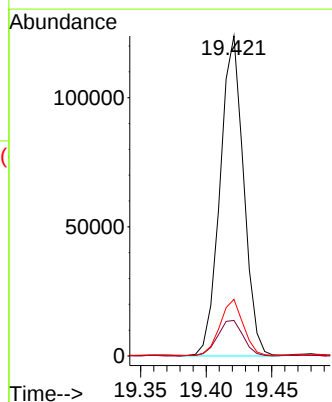
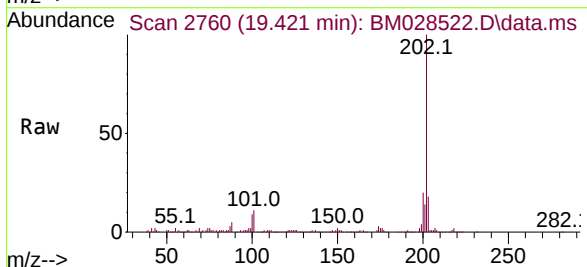
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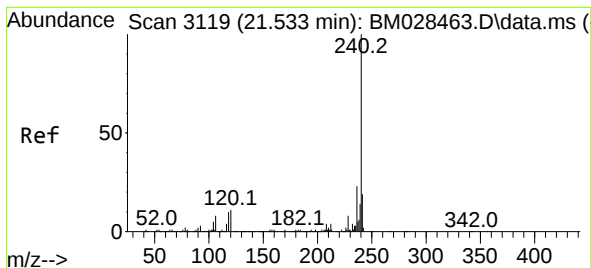
Tgt Ion:178 Resp: 27973
 Ion Ratio Lower Upper
 178 100
 176 17.5 15.0 22.4
 179 16.4 12.5 18.7



#75
 Fluoranthene
 Concen: 17.24 ng
 RT: 19.421 min Scan# 2760
 Delta R.T. -0.000 min
 Lab File: BM028522.D
 Acq: 22 Jan 2021 17:28

Tgt Ion:202 Resp: 154645
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 28.5
 203 17.7 0.0 37.3





#76

Chrysene-d12

Concen: 20.00 ng

RT: 21.515 min Scan# 3116

Delta R.T. -0.000 min

Lab File: BM028522.D

Acq: 22 Jan 2021 17:28

Tgt Ion:240 Resp: 116621

Ion Ratio Lower Upper

240 100

120 12.3 6.4 9.6#

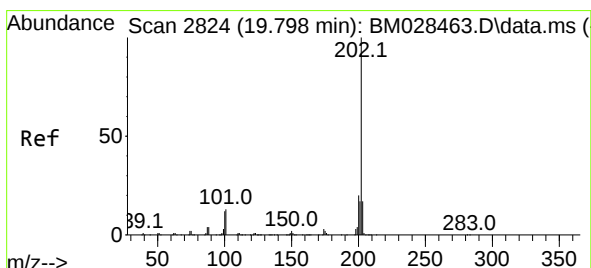
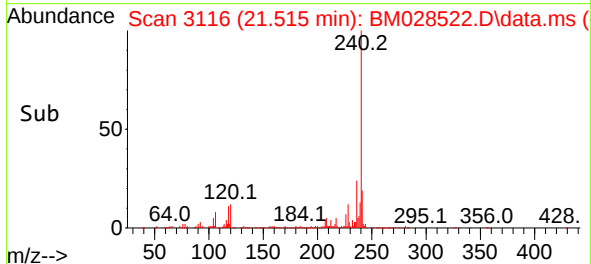
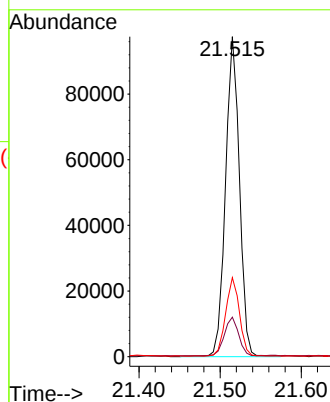
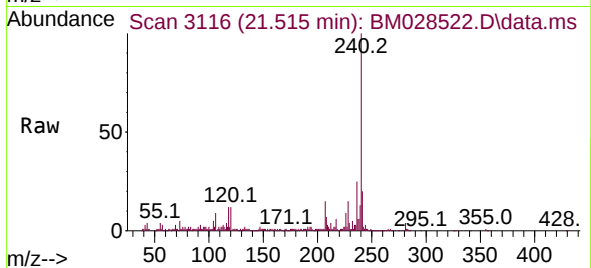
236 24.7 20.1 30.1

Instrument :

BNA_M

ClientSampleId :

TP-230



#78

Pyrene

Concen: 17.29 ng

RT: 19.780 min Scan# 2821

Delta R.T. -0.000 min

Lab File: BM028522.D

Acq: 22 Jan 2021 17:28

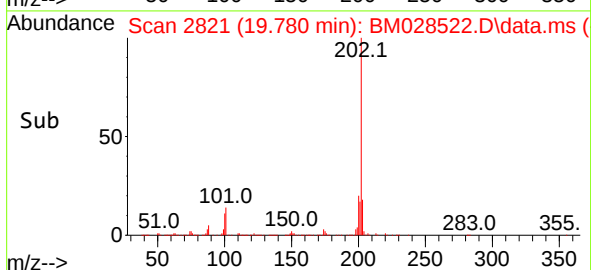
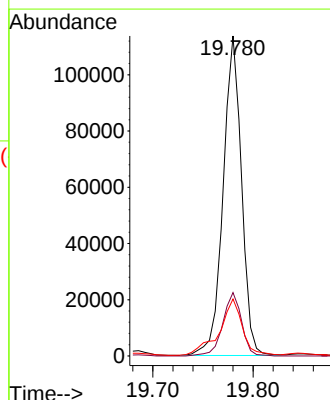
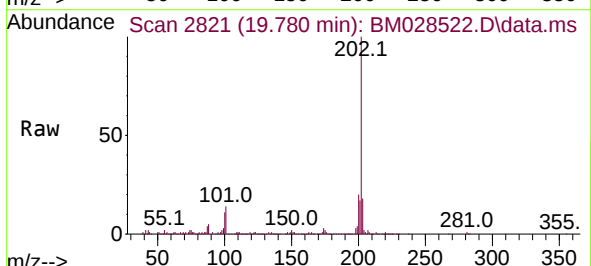
Tgt Ion:202 Resp: 144569

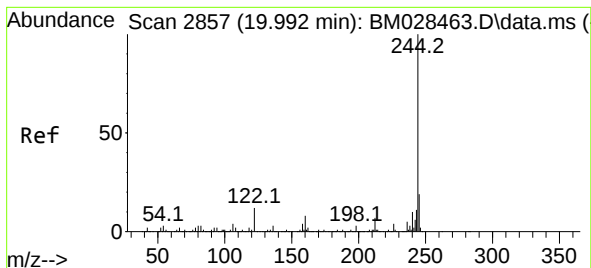
Ion Ratio Lower Upper

202 100

200 19.8 16.6 24.8

203 17.8 13.8 20.6





#79

Terphenyl-d14

Concen: 37.12 ng

RT: 19.974 min Scan# 2854

Delta R.T. -0.006 min

Lab File: BM028522.D

Acq: 22 Jan 2021 17:28

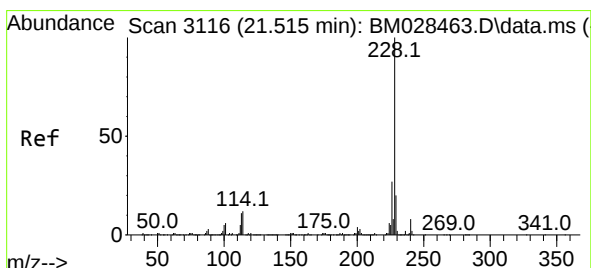
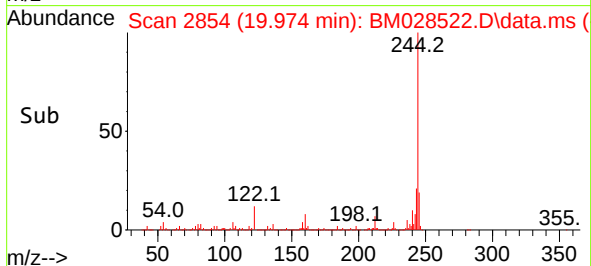
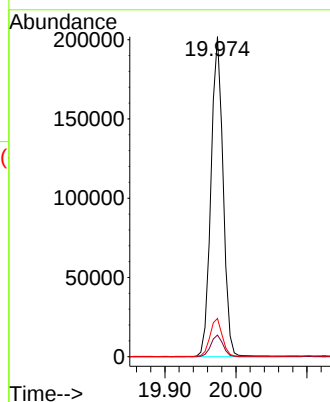
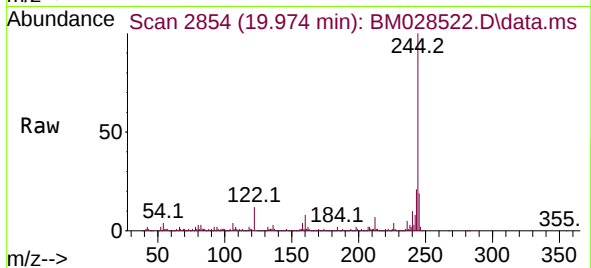
Tgt Ion:244 Resp: 239742

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

122 11.9 6.5 9.7#



#81

Benzo(a)anthracene

Concen: 11.40 ng

RT: 21.497 min Scan# 3113

Delta R.T. -0.006 min

Lab File: BM028522.D

Acq: 22 Jan 2021 17:28

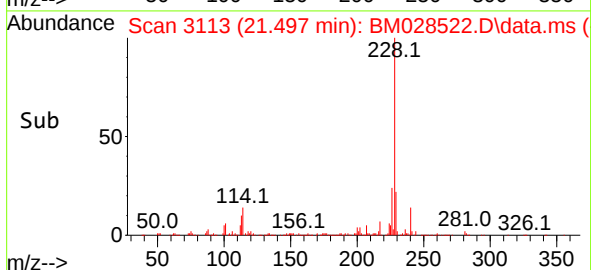
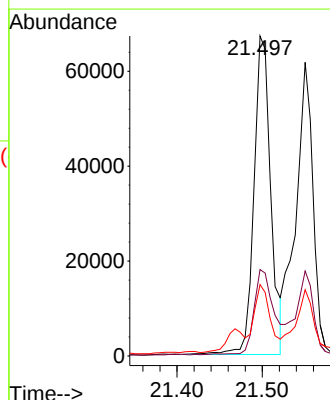
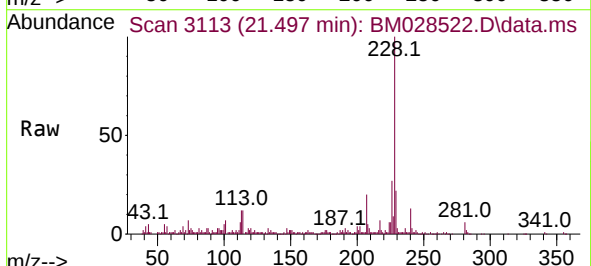
Tgt Ion:228 Resp: 91819

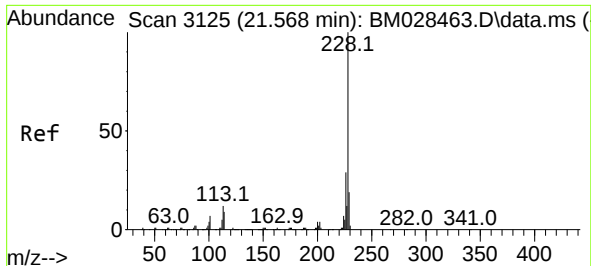
Ion Ratio Lower Upper

228 100

226 27.0 21.1 31.7

229 22.3 15.7 23.5

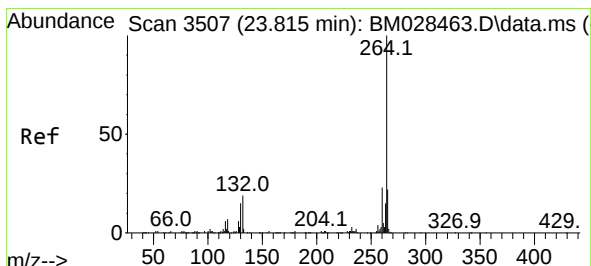
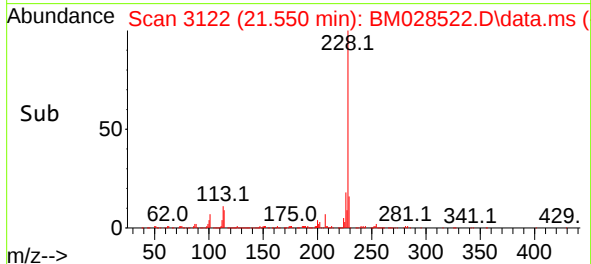
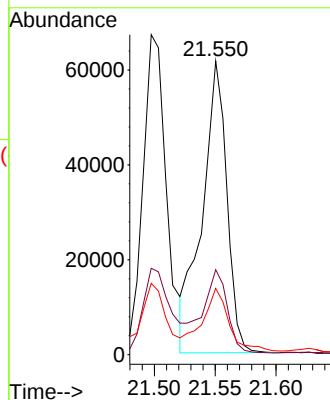
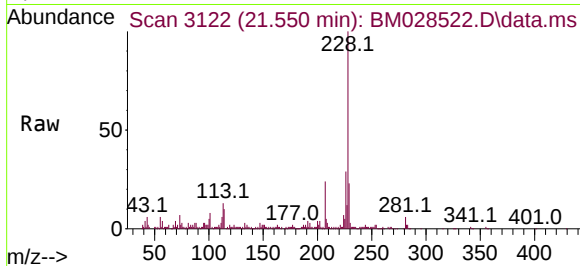




#83
Chrysene
Concen: 11.19 ng
RT: 21.550 min Scan# 3122
Delta R.T. -0.000 min
Lab File: BM028522.D
Acq: 22 Jan 2021 17:28

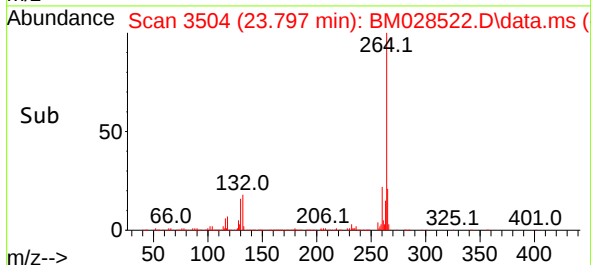
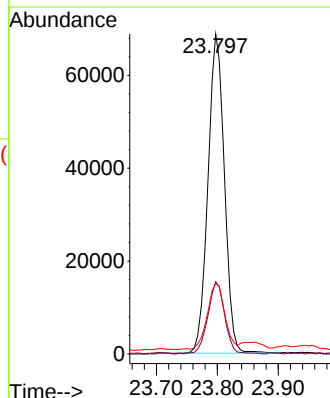
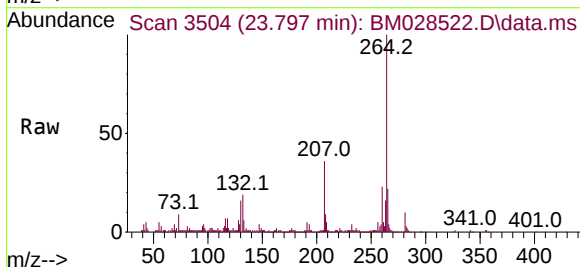
Instrument :
BNA_M
ClientSampled :
TP-230

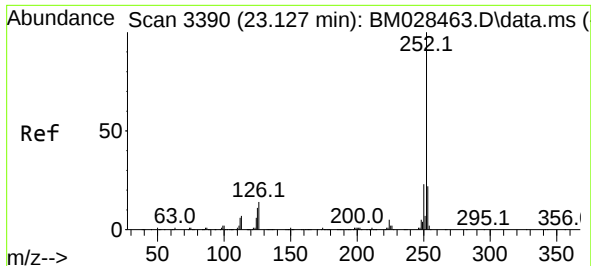
Tgt Ion:	228	Resp:	86972
Ion Ratio	Lower	Upper	
228	100		
226	29.0	23.4	35.0
229	22.5	15.7	23.5



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.797 min Scan# 3504
Delta R.T. -0.000 min
Lab File: BM028522.D
Acq: 22 Jan 2021 17:28

Tgt Ion:	264	Resp:	129035
Ion Ratio	Lower	Upper	
264	100		
260	22.6	19.0	28.4
265	22.0	17.7	26.5

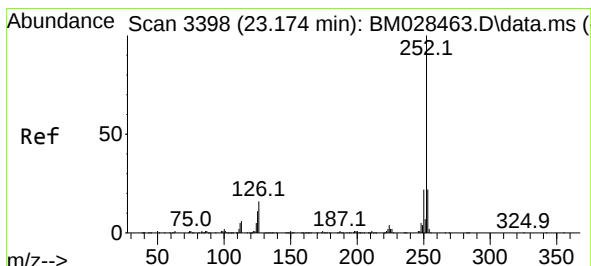
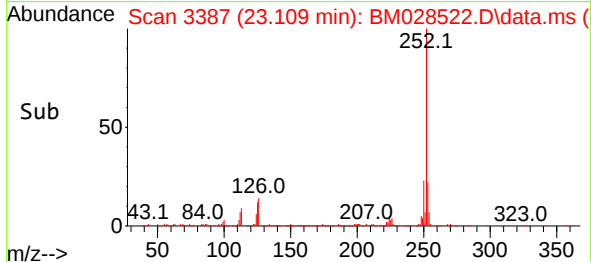
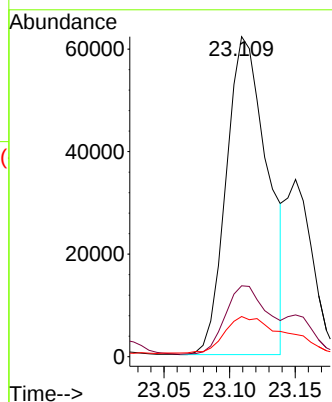
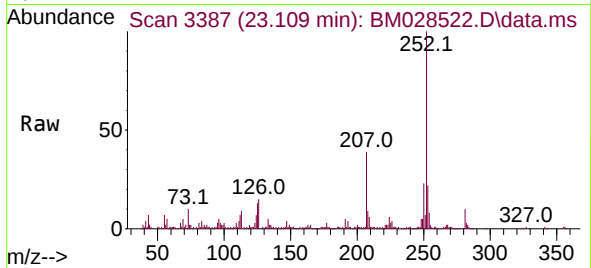




#88
Benzo(b)fluoranthene
Concen: 15.52 ng
RT: 23.109 min Scan# 3387
Delta R.T. -0.000 min
Lab File: BM028522.D
Acq: 22 Jan 2021 17:28

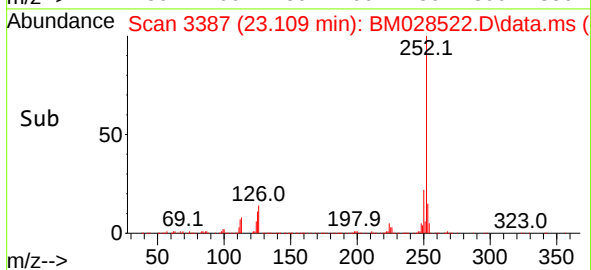
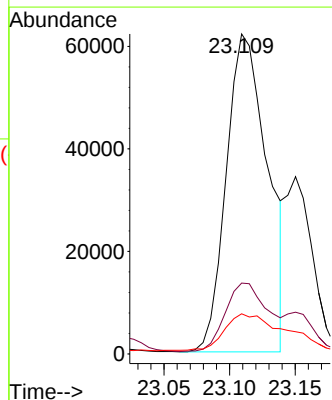
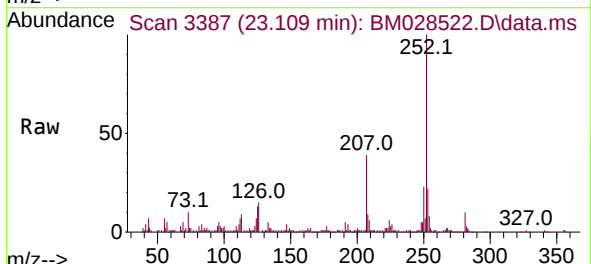
Instrument :
BNA_M
ClientSampled :
TP-230

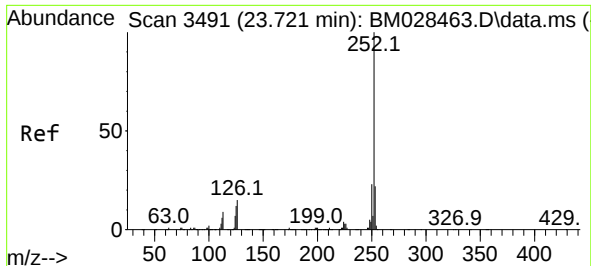
Tgt Ion:252 Resp: 135951
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.0
125 12.6 5.7 8.5#



#89
Benzo(k)fluoranthene
Concen: 15.89 ng
RT: 23.109 min Scan# 3387
Delta R.T. -0.047 min
Lab File: BM028522.D
Acq: 22 Jan 2021 17:28

Tgt Ion:252 Resp: 135951
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.0
125 12.6 5.6 8.4#

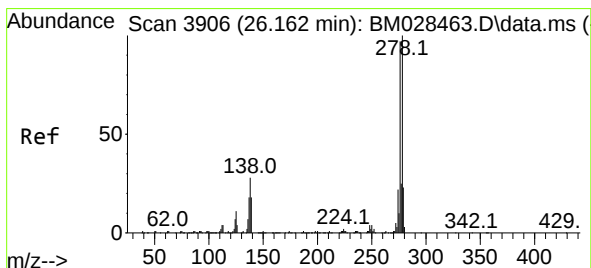
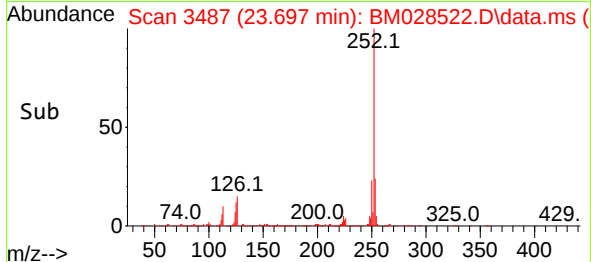
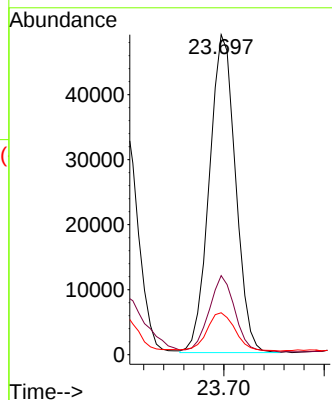
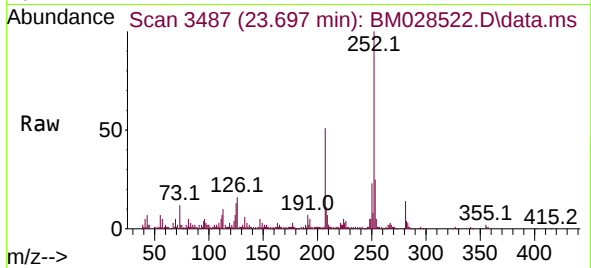




#90
Benzo(a)pyrene
Concen: 10.96 ng
RT: 23.697 min Scan# 3487
Delta R.T. -0.000 min
Lab File: BM028522.D
Acq: 22 Jan 2021 17:28

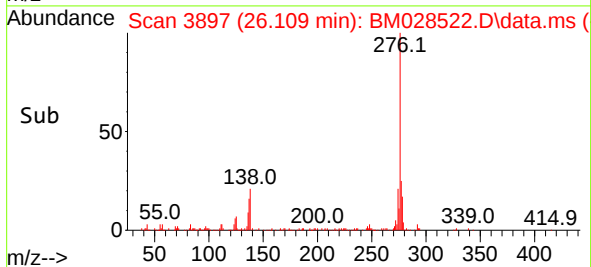
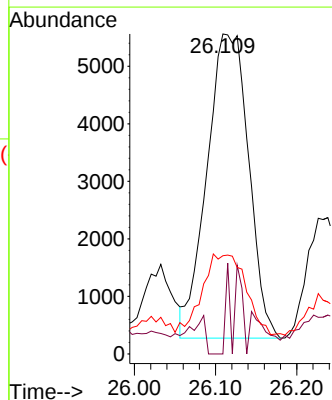
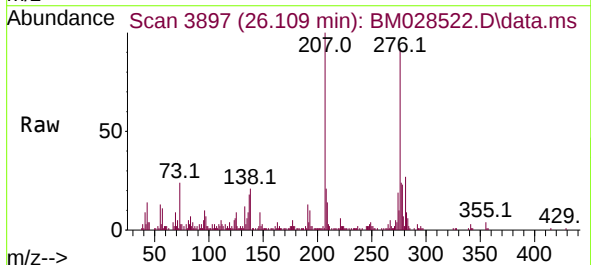
Instrument :
BNA_M
ClientSampled :
TP-230

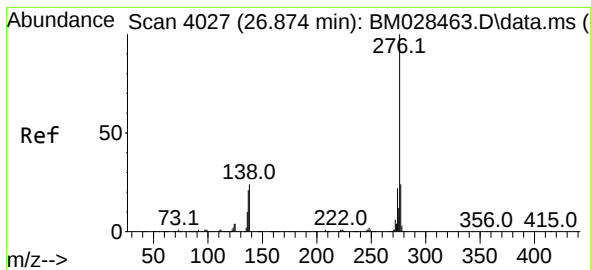
Tgt Ion:252 Resp: 88979
Ion Ratio Lower Upper
252 100
253 24.7 17.4 26.2
125 13.1 6.6 9.8#



#91
Dibenzo(a,h)anthracene
Concen: 2.37 ng
RT: 26.109 min Scan# 3897
Delta R.T. -0.024 min
Lab File: BM028522.D
Acq: 22 Jan 2021 17:28

Tgt Ion:278 Resp: 18858
Ion Ratio Lower Upper
278 100
139 0.0 9.0 13.6#
279 30.7 19.0 28.4#





#92
Benzo(g,h,i)perylene
Concen: 7.85 ng
RT: 26.832 min Scan# 4020
Delta R.T. -0.006 min
Lab File: BM028522.D
Acq: 22 Jan 2021 17:28

Instrument :
BNA_M
ClientSampleId :
TP-230

Tgt Ion:276 Resp: 61415
Ion Ratio Lower Upper
276 100
277 24.0 18.6 28.0
138 24.7 12.2 18.2#

