

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020421\
 Data File : BM028658.D
 Acq On : 04 Feb 2021 17:30
 Operator : CG/JU
 Sample : M1291-01RE 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OU421-007-0002

Quant Time: Feb 04 23:36:24 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 29 16:19:07 2021
 Response via : Initial Calibration

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

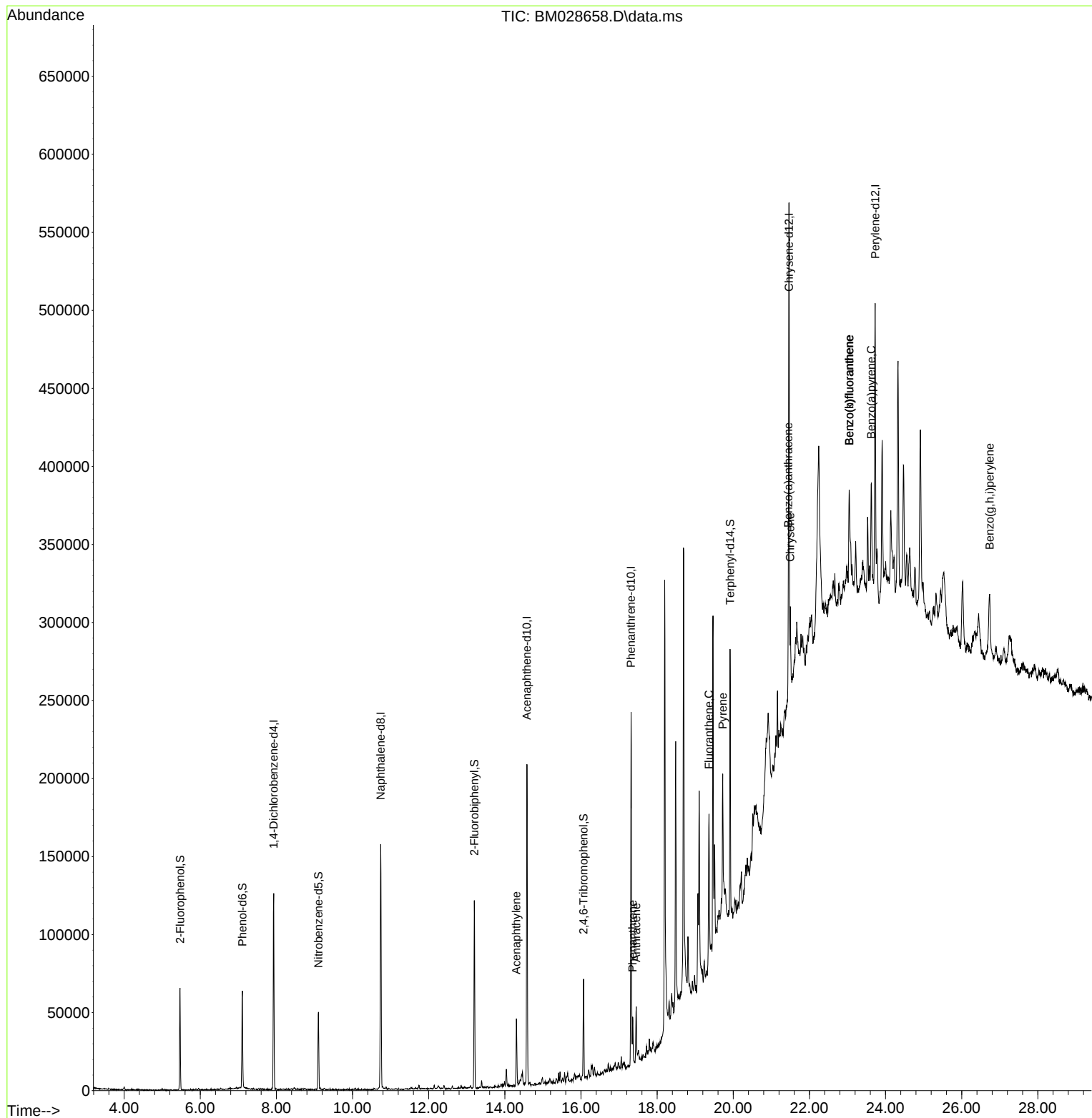
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.928	152	33344	20.00	ng	0.00
21) Naphthalene-d8	10.739	136	126775	20.00	ng	# 0.00
39) Acenaphthene-d10	14.580	164	64796	20.00	ng	0.00
64) Phenanthrene-d10	17.316	188	123227	20.00	ng	# 0.00
76) Chrysene-d12	21.462	240	118054	20.00	ng	# 0.00
86) Perylene-d12	23.727	264	121860	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	27883	13.21	ng	-0.01
7) Phenol-d6	7.104	99	34257	11.92	ng	-0.02
23) Nitrobenzene-d5	9.104	82	26972	10.09	ng	0.00
42) 2,4,6-Tribromophenol	16.069	330	10743	12.51	ng	0.00
45) 2-Fluorobiphenyl	13.198	172	57762	11.18	ng	-0.01
79) Terphenyl-d14	19.915	244	67656	10.35	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	14.304	152	32984	4.92	ng	98
71) Phenanthrene	17.357	178	16736	2.21	ng	98
72) Anthracene	17.451	178	21972	3.00	ng	97
75) Fluoranthene	19.362	202	39948	4.69	ng	94
78) Pyrene	19.721	202	46094	5.45	ng	96
81) Benzo(a)anthracene	21.445	228	28128	3.45	ng	# 90
83) Chrysene	21.498	228	28319	3.60	ng	# 92
88) Benzo(b)fluoranthene	23.045	252	66235	8.01	ng	# 86
89) Benzo(k)fluoranthene	23.045	252	66235	8.20	ng	# 86
90) Benzo(a)pyrene	23.627	252	42339	5.52	ng	# 87
92) Benzo(g,h,i)perylene	26.733	276	44745	6.06	ng	# 88

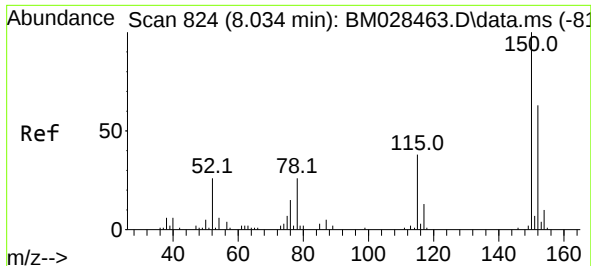
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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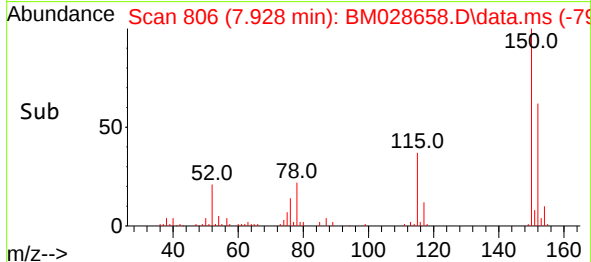
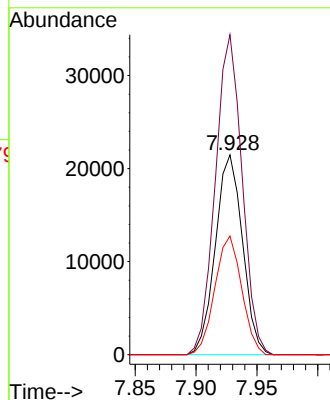
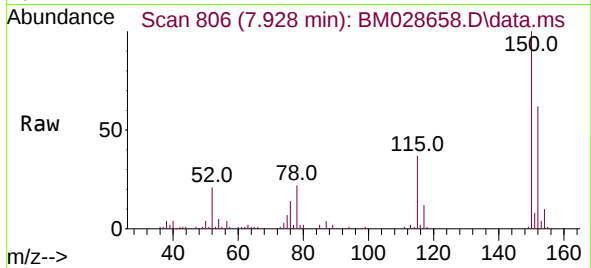




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.928 min Scan# 806
Delta R.T. -0.006 min
Lab File: BM028658.D
Acq: 04 Feb 2021 17:30

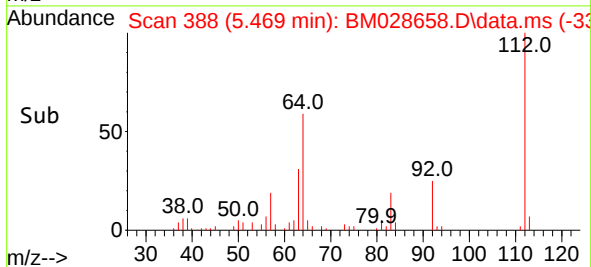
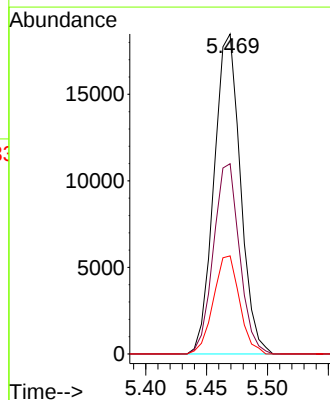
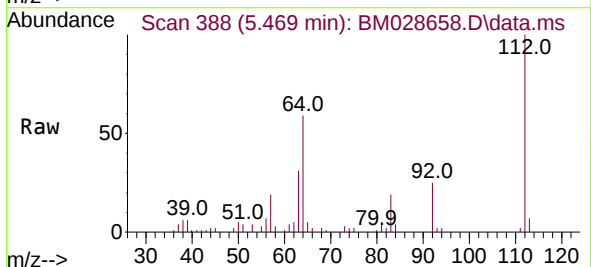
Instrument :
BNA_M
ClientSampleId :
OU421-007-0002

Tgt Ion:152 Resp: 33344
Ion Ratio Lower Upper
152 100
150 160.2 120.6 181.0
115 59.4 47.2 70.8



#5
2-Fluorophenol
Concen: 13.21 ng
RT: 5.469 min Scan# 388
Delta R.T. -0.012 min
Lab File: BM028658.D
Acq: 04 Feb 2021 17:30

Tgt Ion:112 Resp: 27883
Ion Ratio Lower Upper
112 100
64 59.4 50.6 76.0
63 30.7 31.0 46.6#

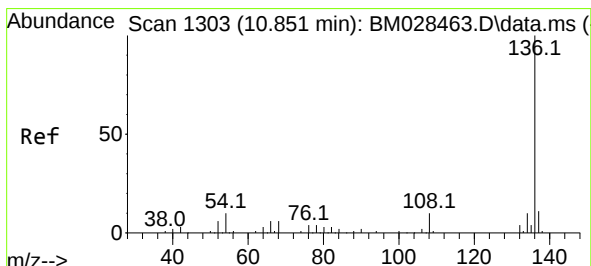
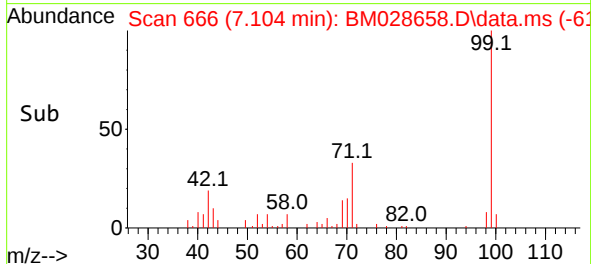
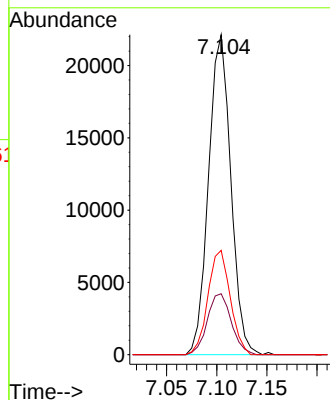
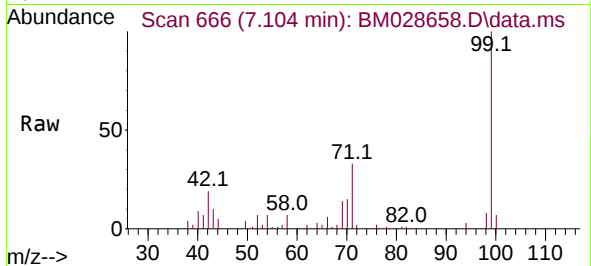




#7
Phenol-d6
Concen: 11.92 ng
RT: 7.104 min Scan# 666
Delta R.T. -0.018 min
Lab File: BM028658.D
Acq: 04 Feb 2021 17:30

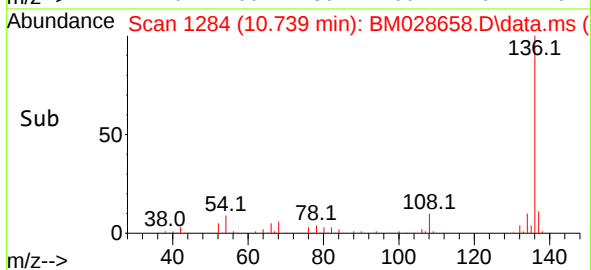
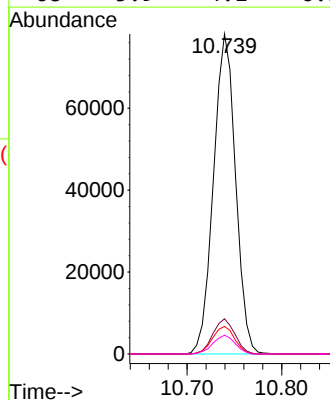
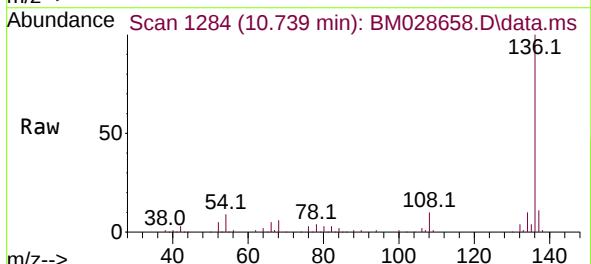
Instrument :
BNA_M
ClientSampleId :
OU421-007-0002

Tgt Ion:	99	Resp:	34257
Ion	Ratio	Lower	Upper
99	100		
42	19.1	13.5	20.3
71	32.6	39.4	59.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.739 min Scan# 1284
Delta R.T. -0.006 min
Lab File: BM028658.D
Acq: 04 Feb 2021 17:30

Tgt Ion:	136	Resp:	126775
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	8.6	4.6	7.0#
68	5.9	4.1	6.1

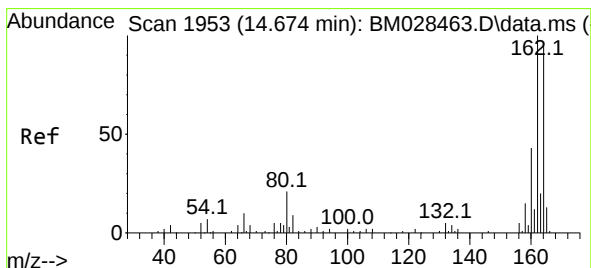
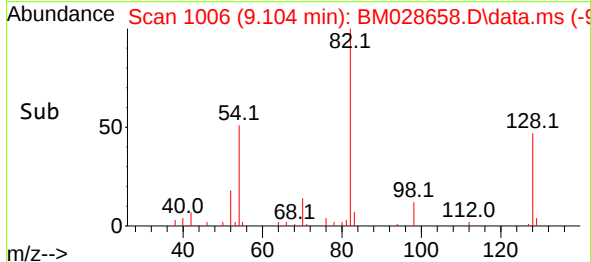
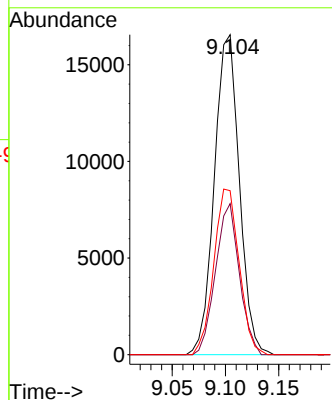
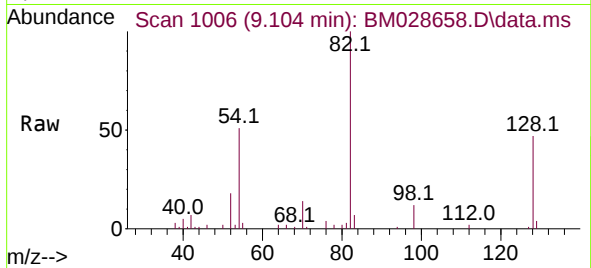




#23
Nitrobenzene-d5
Concen: 10.09 ng
RT: 9.104 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BM028658.D
Acq: 04 Feb 2021 17:30

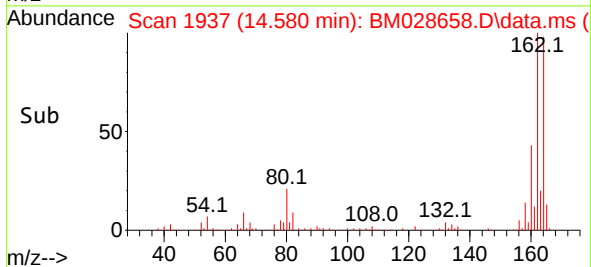
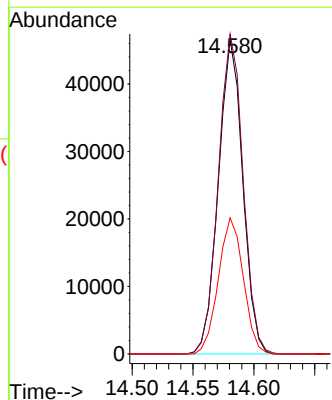
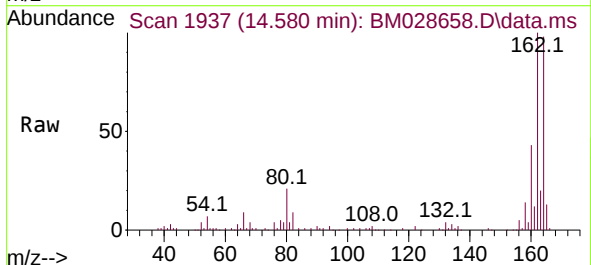
Instrument :
BNA_M
ClientSampleId :
OU421-007-0002

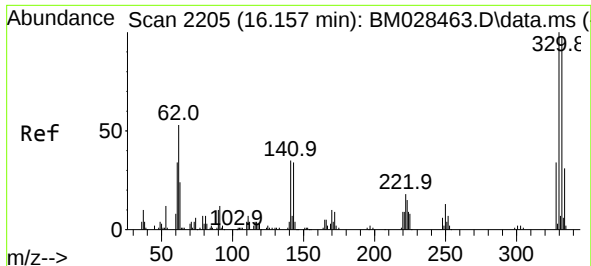
Tgt Ion: 82 Resp: 26972
Ion Ratio Lower Upper
82 100
128 47.2 27.4 41.0#
54 51.3 31.4 47.0#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.580 min Scan# 1937
Delta R.T. -0.006 min
Lab File: BM028658.D
Acq: 04 Feb 2021 17:30

Tgt Ion:164 Resp: 64796
Ion Ratio Lower Upper
164 100
162 101.7 80.4 120.6
160 43.2 35.9 53.9

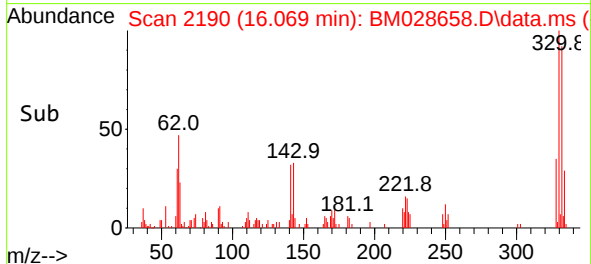
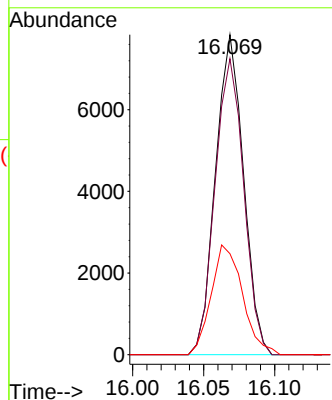
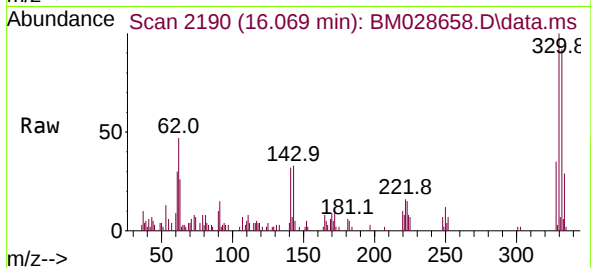




#42
2,4,6-Tribromophenol
Concen: 12.51 ng
RT: 16.069 min Scan# 2190
Delta R.T. -0.006 min
Lab File: BM028658.D
Acq: 04 Feb 2021 17:30

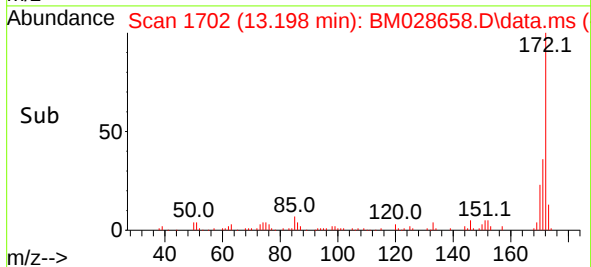
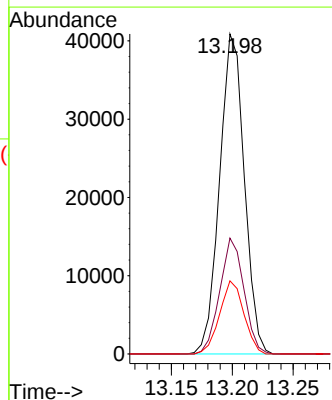
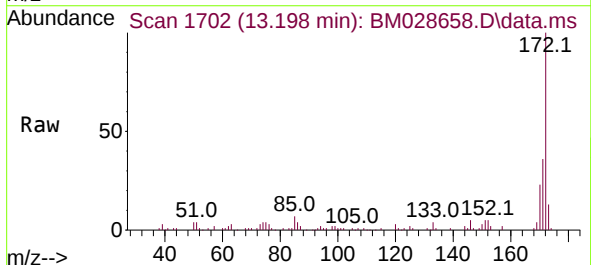
Instrument :
BNA_M
ClientSampleId :
OU421-007-0002

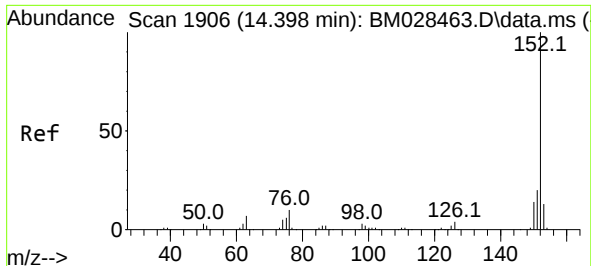
Tgt Ion:330 Resp: 10743
Ion Ratio Lower Upper
330 100
332 94.8 77.8 116.8
141 38.5 28.4 42.6



#45
2-Fluorobiphenyl
Concen: 11.18 ng
RT: 13.198 min Scan# 1702
Delta R.T. -0.012 min
Lab File: BM028658.D
Acq: 04 Feb 2021 17:30

Tgt Ion:172 Resp: 57762
Ion Ratio Lower Upper
172 100
171 36.2 27.8 41.8
170 22.8 18.6 27.8





#49

Acenaphthylene

Concen: 4.92 ng

RT: 14.304 min Scan# 1890

Delta R.T. -0.012 min

Lab File: BM028658.D

Acq: 04 Feb 2021 17:30

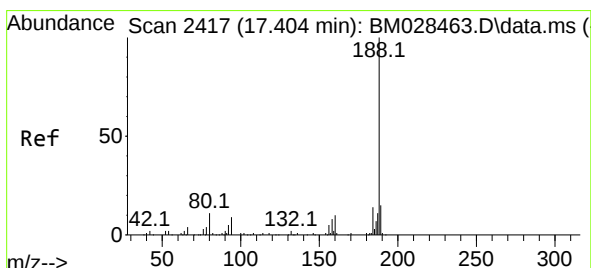
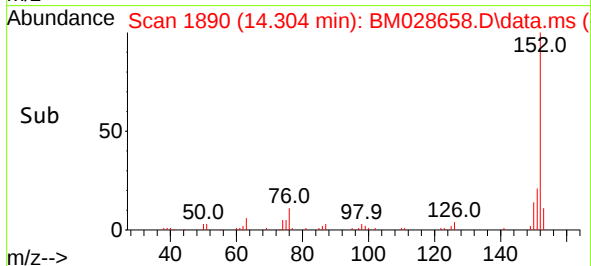
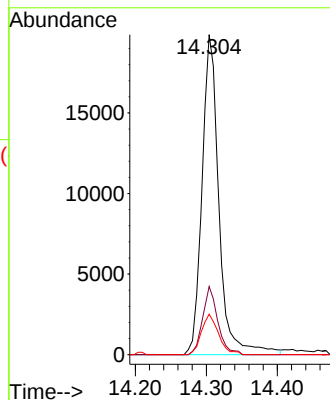
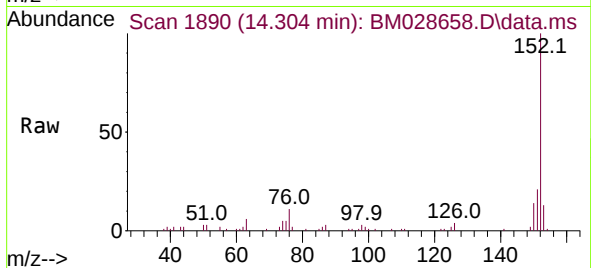
Tgt Ion:152 Resp: 32984

Ion Ratio Lower Upper

152 100

151 21.3 15.8 23.6

153 12.7 10.4 15.6



#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.316 min Scan# 2402

Delta R.T. -0.006 min

Lab File: BM028658.D

Acq: 04 Feb 2021 17:30

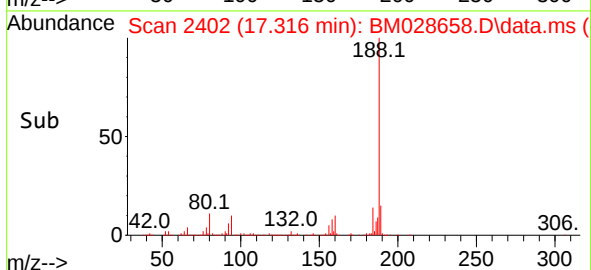
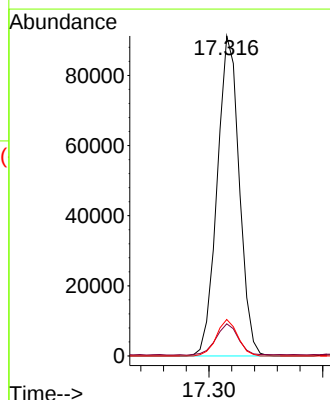
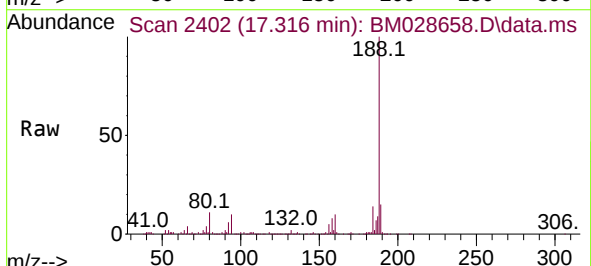
Tgt Ion:188 Resp: 123227

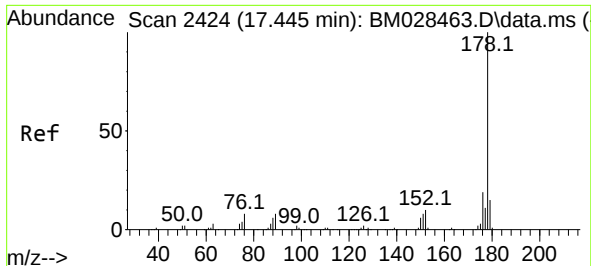
Ion Ratio Lower Upper

188 100

94 10.0 6.2 9.4#

80 11.4 7.5 11.3#

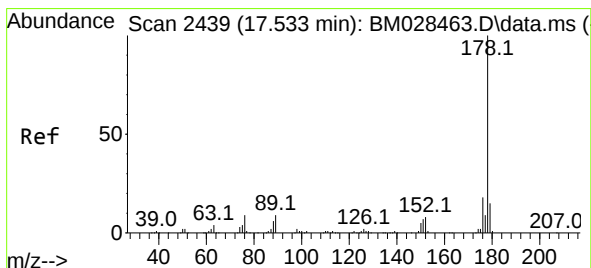
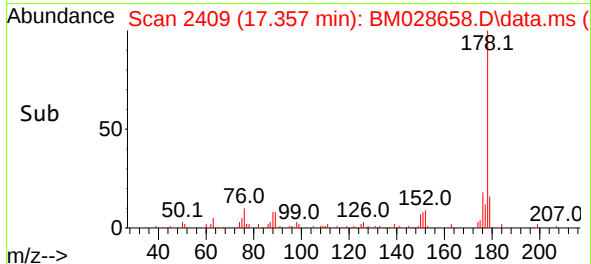
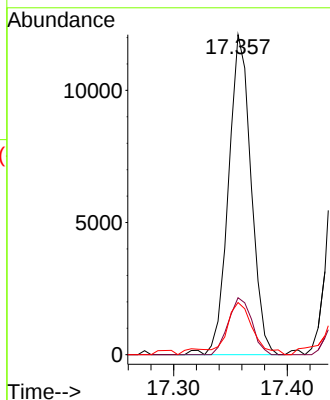
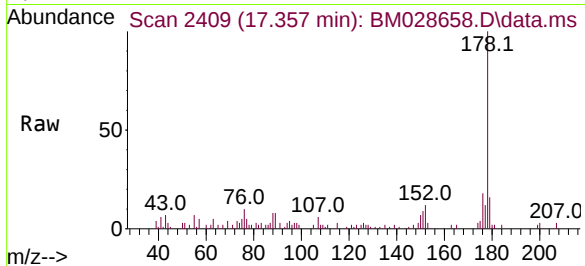




#71
Phenanthrene
Concen: 2.21 ng
RT: 17.357 min Scan# 2409
Delta R.T. -0.006 min
Lab File: BM028658.D
Acq: 04 Feb 2021 17:30

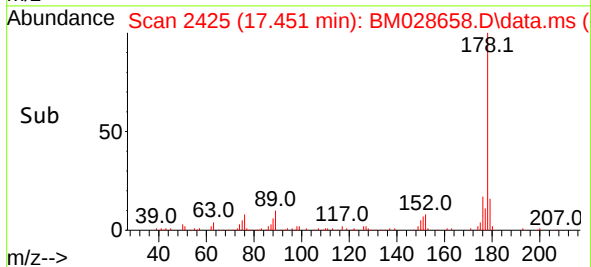
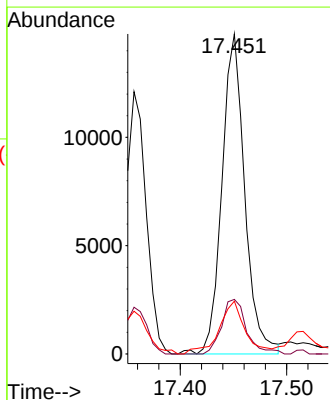
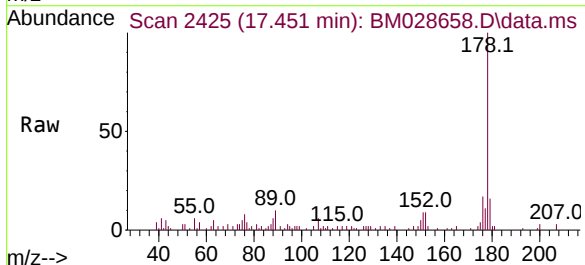
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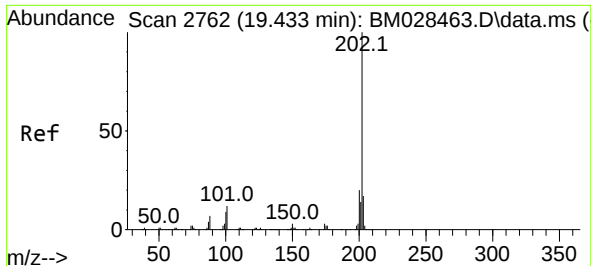
Tgt Ion:178 Resp: 16736
Ion Ratio Lower Upper
178 100
176 17.8 15.0 22.6
179 16.3 12.2 18.4



#72
Anthracene
Concen: 3.00 ng
RT: 17.451 min Scan# 2425
Delta R.T. -0.006 min
Lab File: BM028658.D
Acq: 04 Feb 2021 17:30

Tgt Ion:178 Resp: 21972
Ion Ratio Lower Upper
178 100
176 17.1 15.0 22.4
179 16.5 12.5 18.7

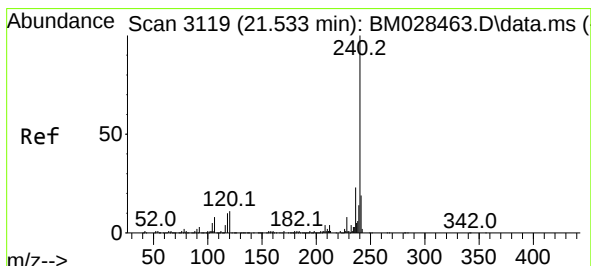
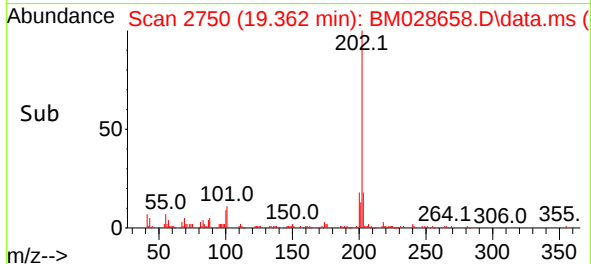
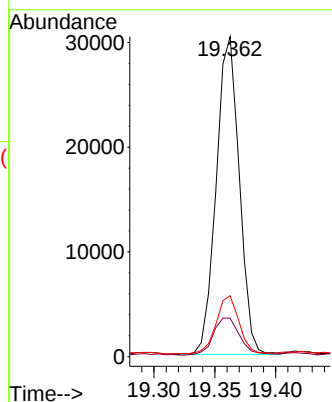
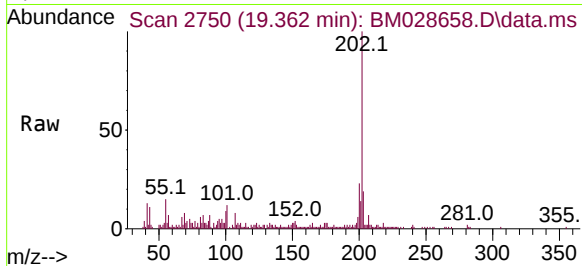




#75
Fluoranthene
Concen: 4.69 ng
RT: 19.362 min Scan# 2750
Delta R.T. -0.006 min
Lab File: BM028658.D
Acq: 04 Feb 2021 17:30

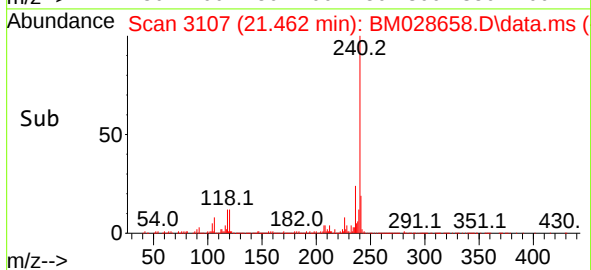
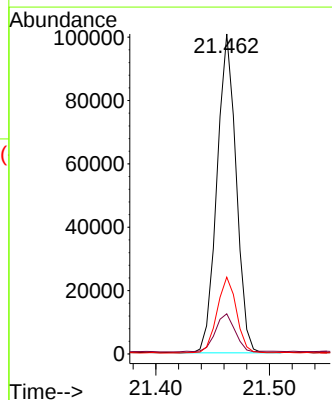
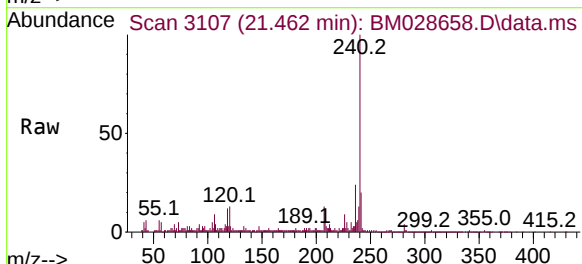
Instrument :
BNA_M
ClientSampleId :
OU421-007-0002

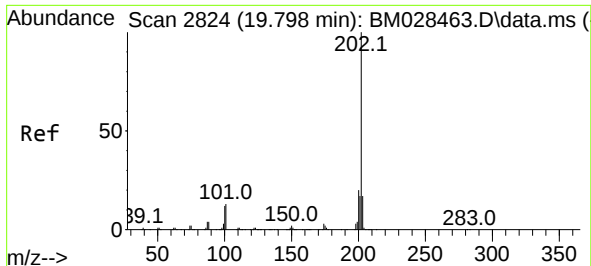
Tgt Ion:	202	Resp:	39948
Ion Ratio	Lower	Upper	
202	100		
101	12.0	0.0	28.5
203	19.1	0.0	37.3



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.462 min Scan# 3107
Delta R.T. -0.006 min
Lab File: BM028658.D
Acq: 04 Feb 2021 17:30

Tgt Ion:	240	Resp:	118054
Ion Ratio	Lower	Upper	
240	100		
120	12.6	6.4	9.6#
236	24.0	20.1	30.1

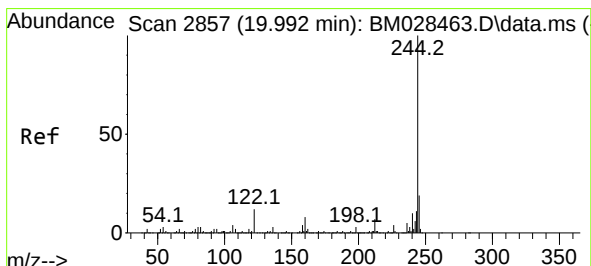
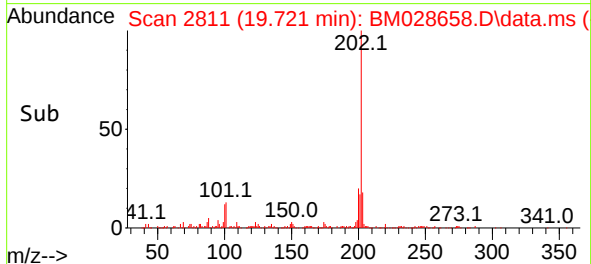
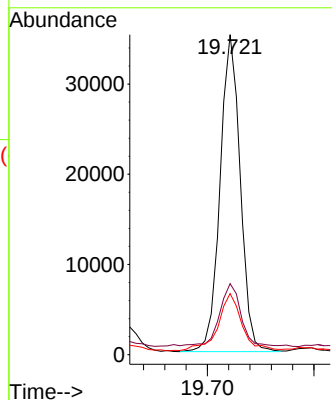
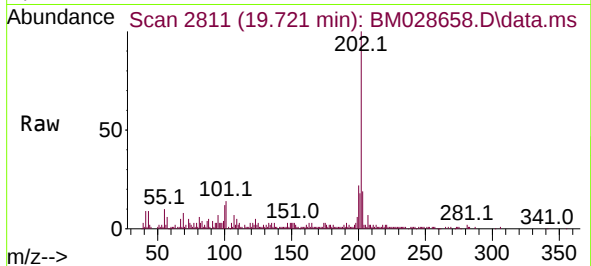




#78
Pyrene
Concen: 5.45 ng
RT: 19.721 min Scan# 2811
Delta R.T. -0.006 min
Lab File: BM028658.D
Acq: 04 Feb 2021 17:30

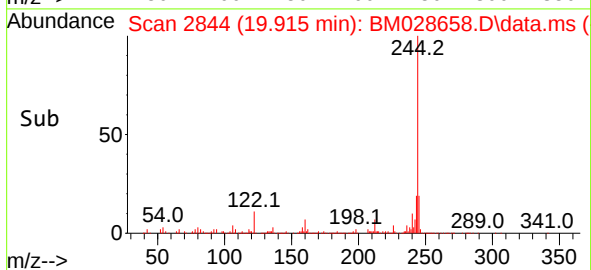
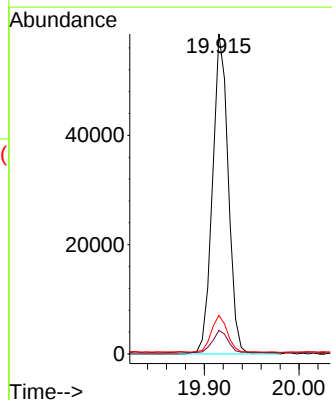
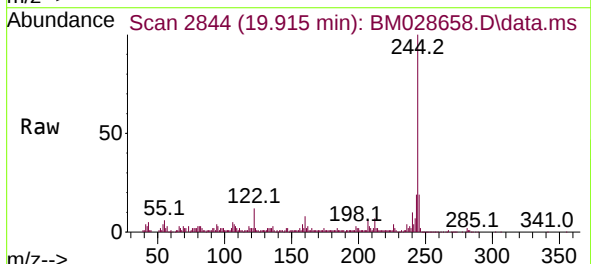
Instrument :
BNA_M
ClientSampleId :
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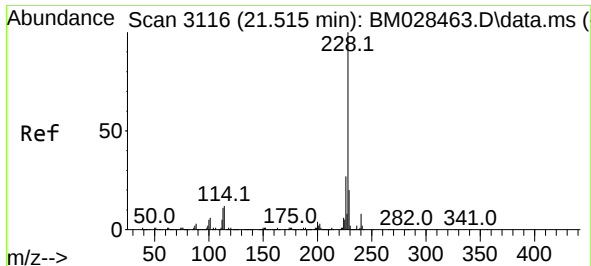
Tgt Ion:	202	Resp:	46094
Ion Ratio	Lower	Upper	
202	100		
200	22.2	16.6	24.8
203	19.1	13.8	20.6



#79
Terphenyl-d14
Concen: 10.35 ng
RT: 19.915 min Scan# 2844
Delta R.T. -0.006 min
Lab File: BM028658.D
Acq: 04 Feb 2021 17:30

Tgt Ion:	244	Resp:	67656
Ion Ratio	Lower	Upper	
244	100		
212	7.3	5.8	8.8
122	12.1	6.5	9.7#

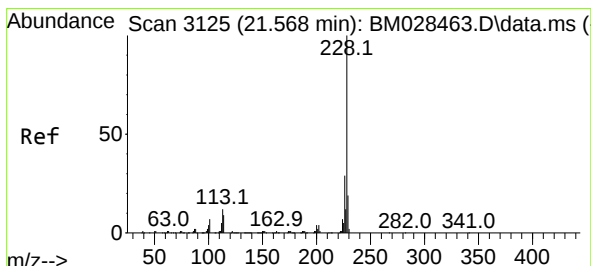
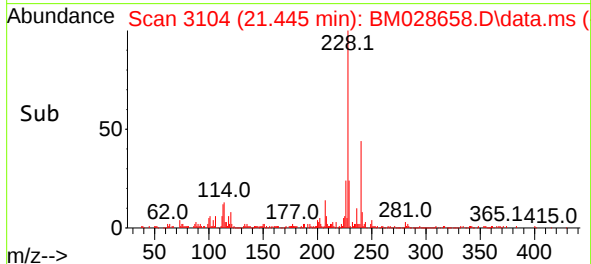
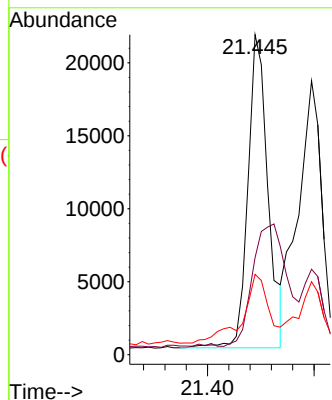
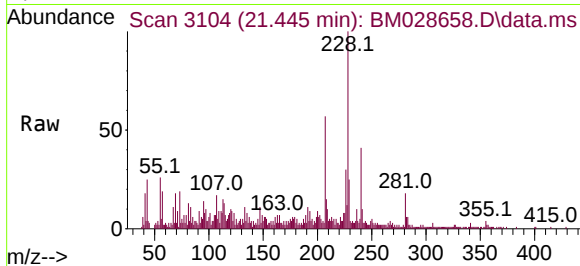




#81
Benzo(a)anthracene
Concen: 3.45 ng
RT: 21.445 min Scan# 3104
Delta R.T. -0.006 min
Lab File: BM028658.D
Acq: 04 Feb 2021 17:30

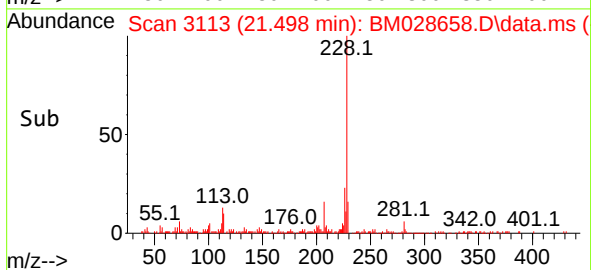
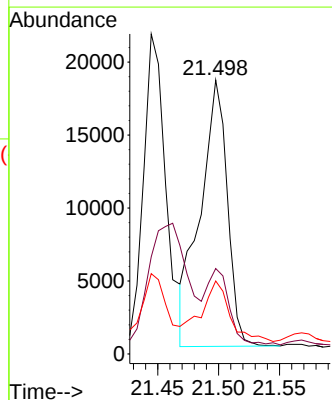
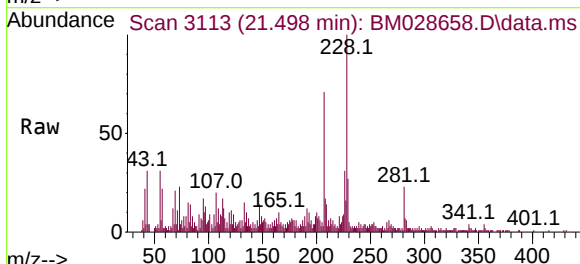
Instrument :
BNA_M
ClientSampleId :
OU421-007-0002

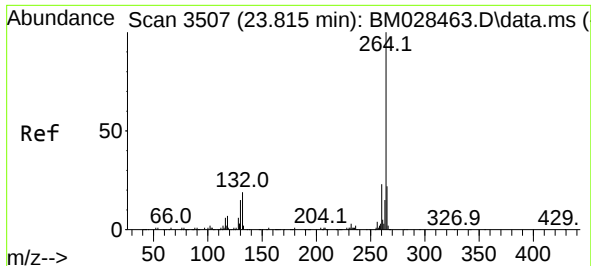
Tgt Ion:228 Resp: 28128
Ion Ratio Lower Upper
228 100
226 30.4 21.1 31.7
229 25.1 15.7 23.5#



#83
Chrysene
Concen: 3.60 ng
RT: 21.498 min Scan# 3113
Delta R.T. -0.006 min
Lab File: BM028658.D
Acq: 04 Feb 2021 17:30

Tgt Ion:228 Resp: 28319
Ion Ratio Lower Upper
228 100
226 31.2 23.4 35.0
229 26.7 15.7 23.5#

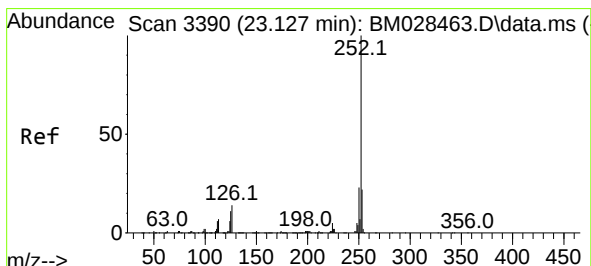
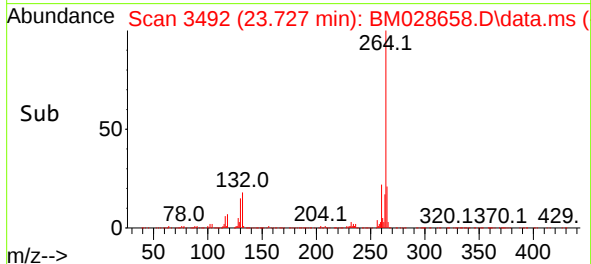
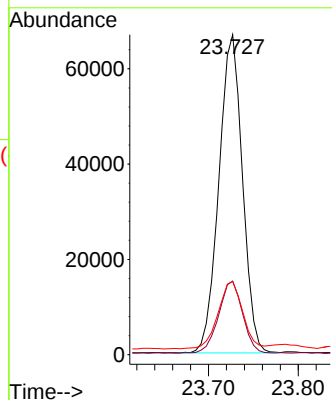
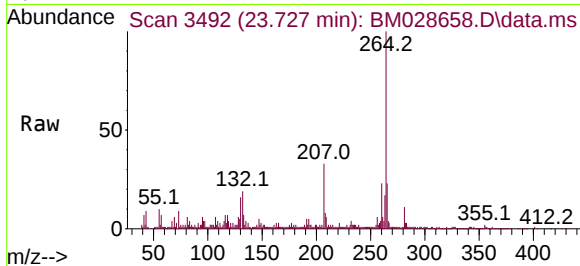




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.727 min Scan# 3492
 Delta R.T. 0.000 min
 Lab File: BM028658.D
 Acq: 04 Feb 2021 17:30

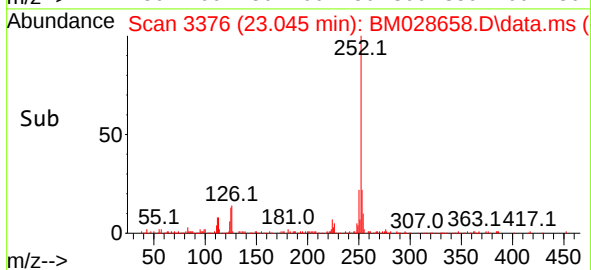
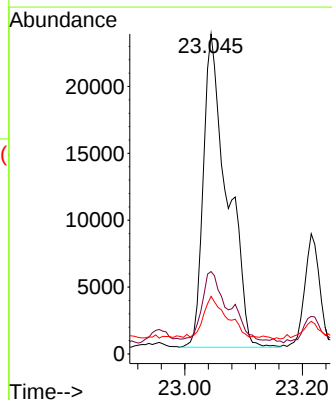
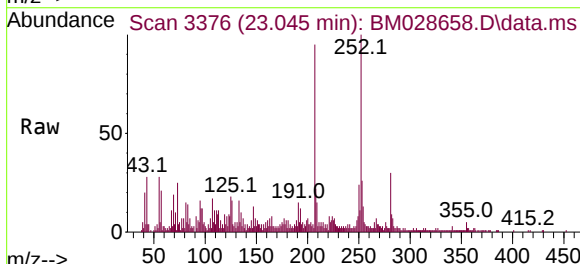
Instrument :
 BNA_M
 ClientSampleId :
 OU421-007-0002

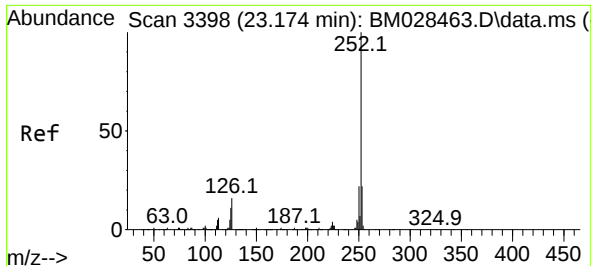
Tgt Ion:264 Resp: 121860
 Ion Ratio Lower Upper
 264 100
 260 23.0 19.0 28.4
 265 22.9 17.7 26.5



#88
 Benzo(b)fluoranthene
 Concen: 8.01 ng
 RT: 23.045 min Scan# 3376
 Delta R.T. -0.006 min
 Lab File: BM028658.D
 Acq: 04 Feb 2021 17:30

Tgt Ion:252 Resp: 66235
 Ion Ratio Lower Upper
 252 100
 253 25.8 17.4 26.0
 125 18.0 5.7 8.5#

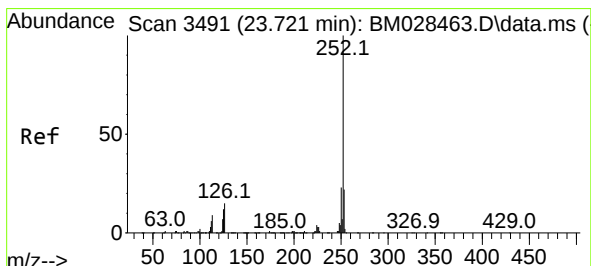
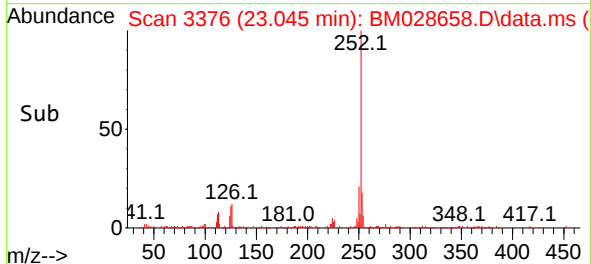
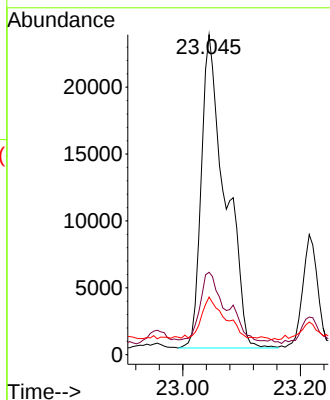
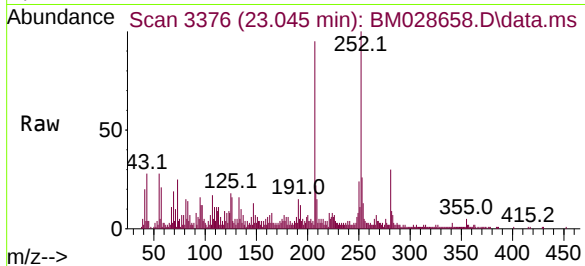




#89
Benzo(k)fluoranthene
Concen: 8.20 ng
RT: 23.045 min Scan# 3376
Delta R.T. -0.047 min
Lab File: BM028658.D
Acq: 04 Feb 2021 17:30

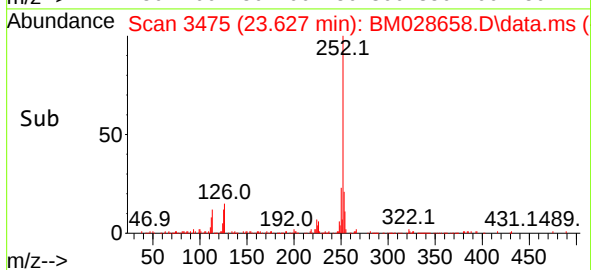
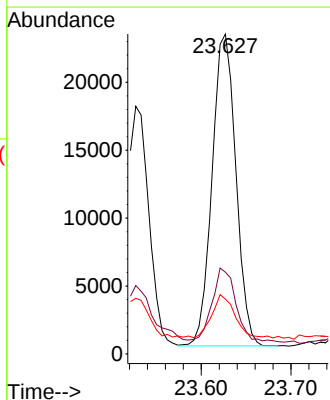
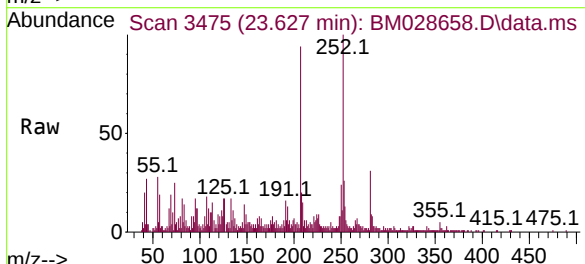
Instrument :
BNA_M
ClientSampleId :
OU421-007-0002

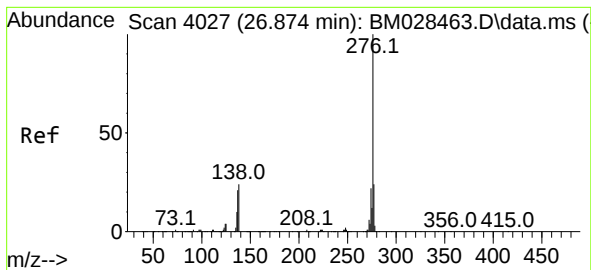
Tgt Ion:252 Resp: 66235
Ion Ratio Lower Upper
252 100
253 25.8 17.4 26.0
125 18.0 5.6 8.4#



#90
Benzo(a)pyrene
Concen: 5.52 ng
RT: 23.627 min Scan# 3475
Delta R.T. -0.006 min
Lab File: BM028658.D
Acq: 04 Feb 2021 17:30

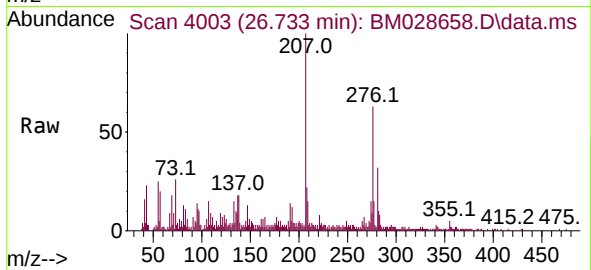
Tgt Ion:252 Resp: 42339
Ion Ratio Lower Upper
252 100
253 25.6 17.4 26.2
125 17.2 6.6 9.8#





#92
 Benzo(g,h,i)perylene
 Concen: 6.06 ng
 RT: 26.733 min Scan# 4003
 Delta R.T. 0.000 min
 Lab File: BM028658.D
 Acq: 04 Feb 2021 17:30

Instrument :
 BNA_M
 ClientSampleId :
 OU421-007-0002



Tgt Ion:	276	Resp:	44745
Ion Ratio	Lower	Upper	
276	100		
277	23.3	18.6	28.0
138	28.3	12.2	18.2#

