

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

Instrument :
 BNA_M
 ClientSampleId :
 OU421-007-0002

Manual Integrations
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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
87) Indeno(1,2,3-cd)pyrene	26.021	276	35736m	3.94	ng		
88) Benzo(b)fluoranthene	23.045	252	51585m	6.24	ng		
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

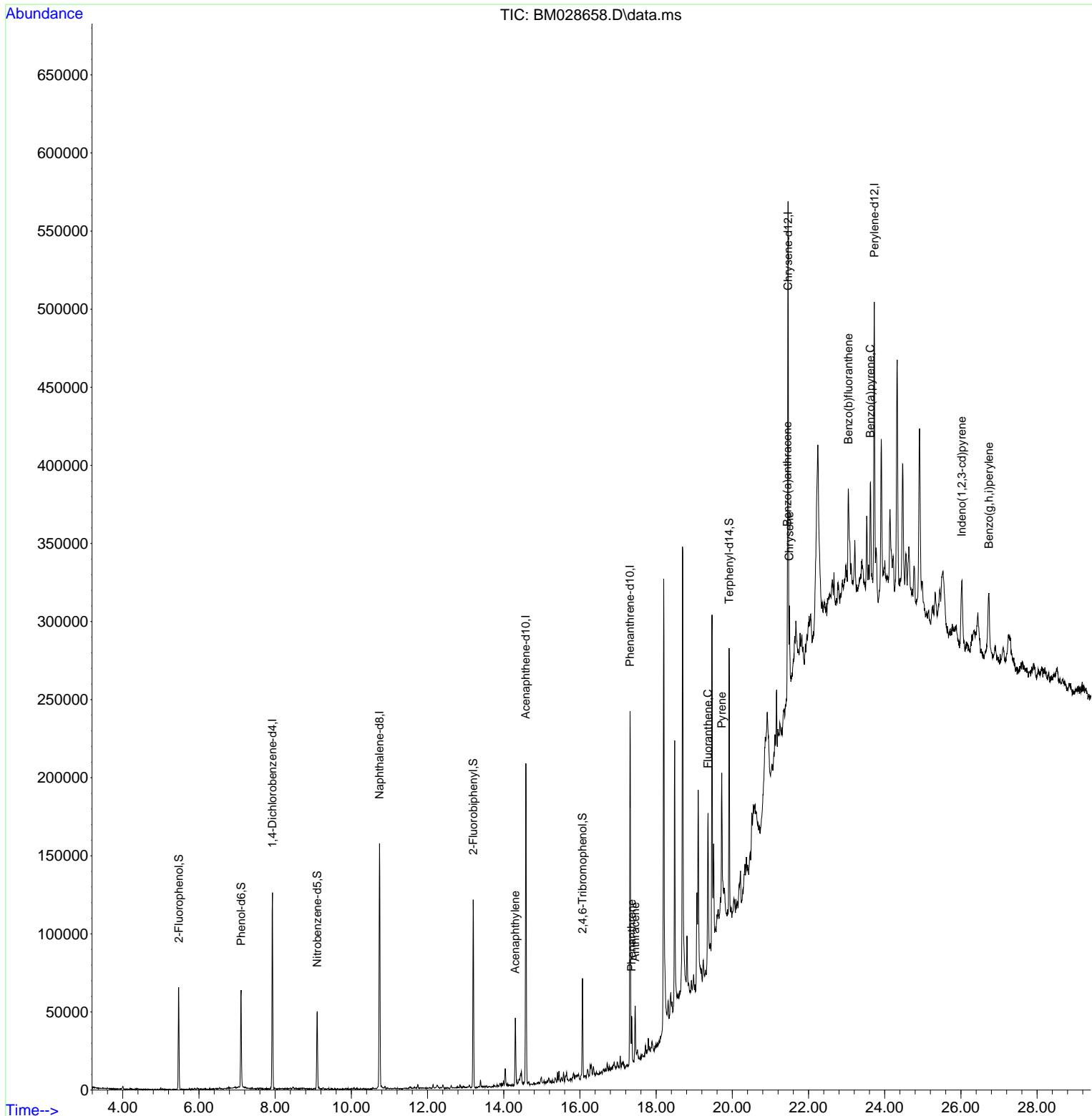
(#) = qualifier out of range (m) = manual integration (+) = signals summed

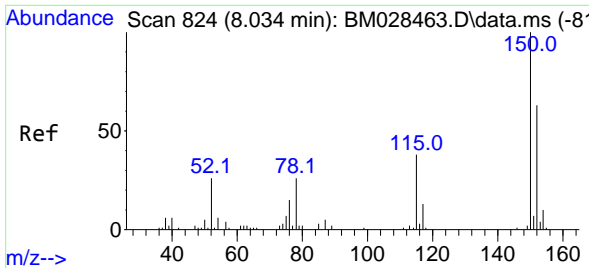
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020421\
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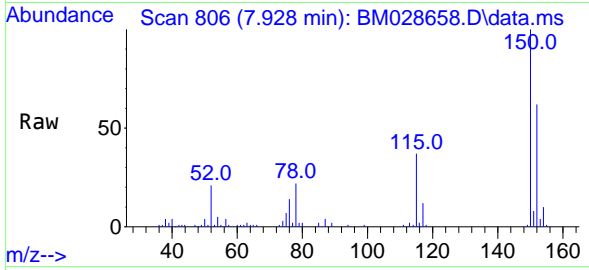
Quant Time: Feb 04 23:36:24 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM012021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 29 16:19:07 2021
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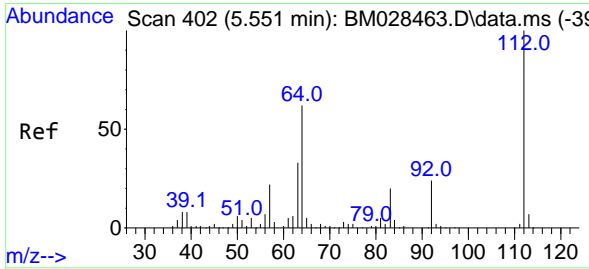
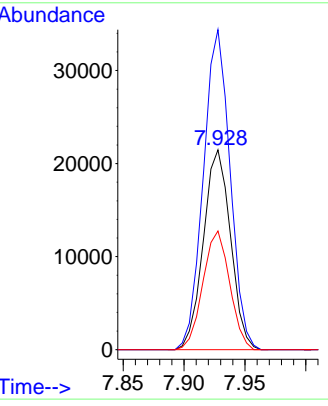
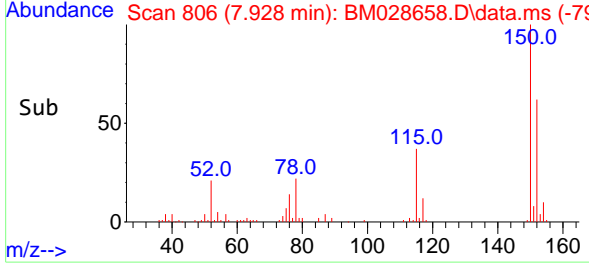
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 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.928 min Scan# 806
 Delta R.T. -0.006 min
 Lab File: BM028658.D
 Acq: 04 Feb 2021 17:30

Instrument :
 BNA_M
ClientSampled :
 OU421-007-0002

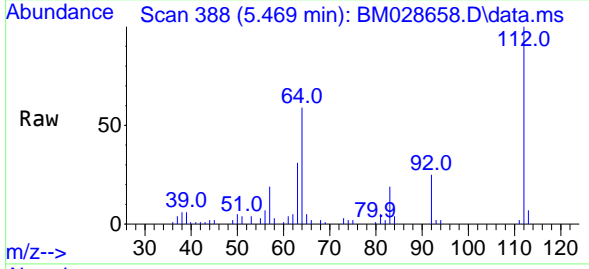


Tgt Ion:152 Resp: 33344
 Ion Ratio Lower Upper
 152 100
 150 160.2 120.6 181.0
 115 59.4 47.2 70.8

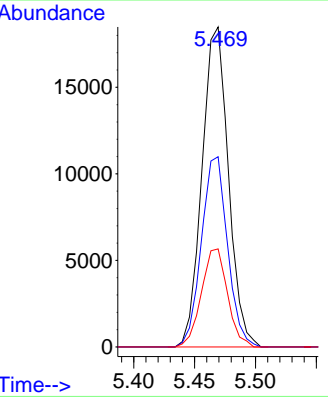
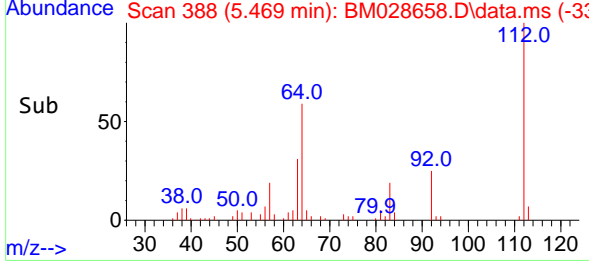
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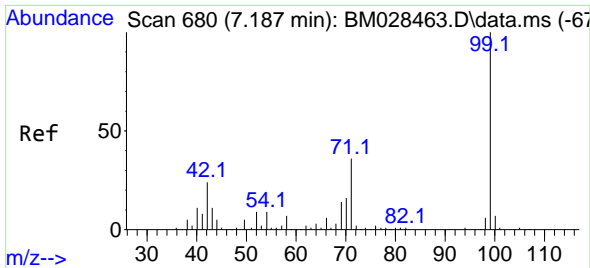


#5
 2-Fluorophenol
 Concen: 13.21 ng
 RT: 5.469 min Scan# 388
 Delta R.T. -0.012 min
 Lab File: BM028658.D
 Acq: 04 Feb 2021 17:30



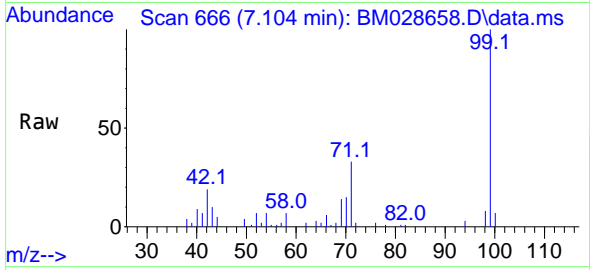
Tgt Ion:112 Resp: 27883
 Ion Ratio Lower Upper
 112 100
 64 59.4 50.6 76.0
 63 30.7 31.0 46.6#





#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

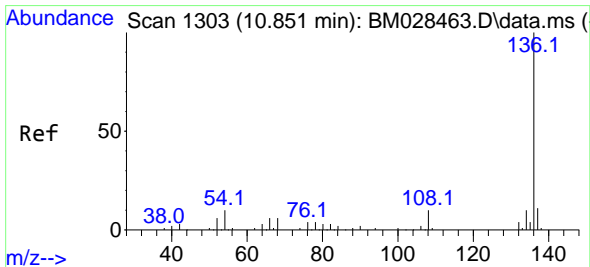
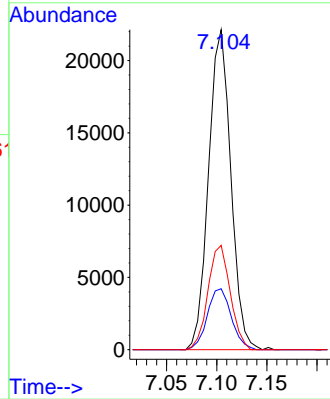
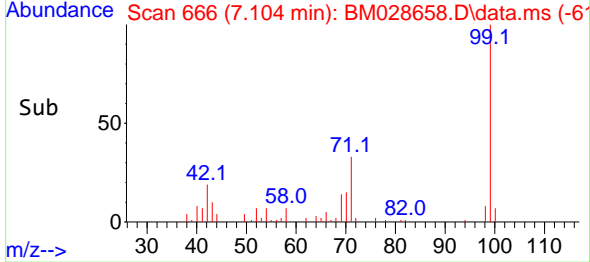
Instrument :
BNA_M
ClientSampled :
OU421-007-0002



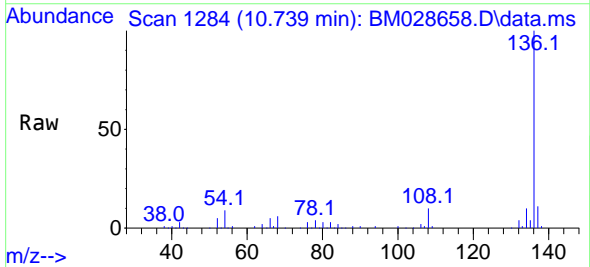
Tgt Ion: 99 Resp: 34257
Ion Ratio Lower Upper
99 100
42 19.1 13.5 20.3
71 32.6 39.4 59.0#

Manual Integrations
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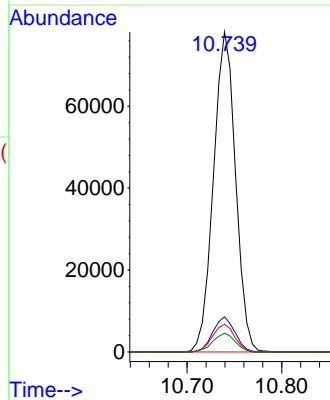
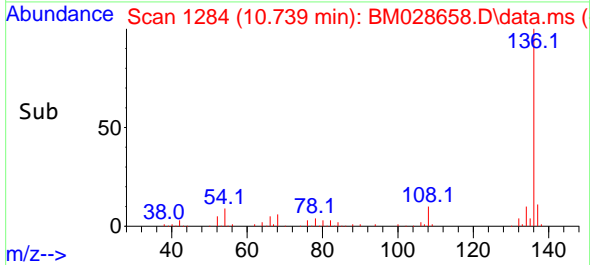
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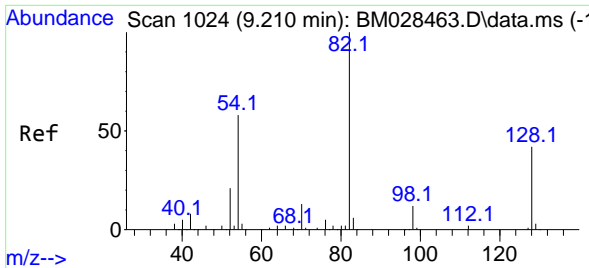


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.739 min Scan# 1284
Delta R.T. -0.006 min
Lab File: BM028658.D
Acq: 04 Feb 2021 17:30



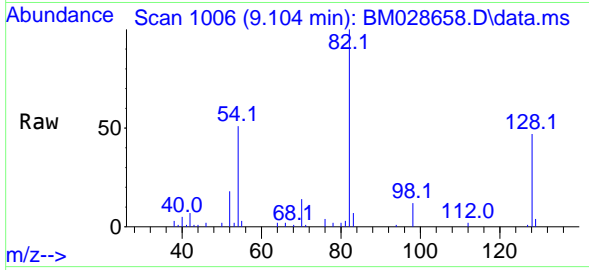
Tgt Ion: 136 Resp: 126775
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 8.6 4.6 7.0#
68 5.9 4.1 6.1





#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

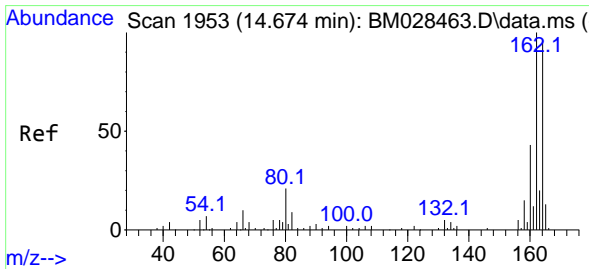
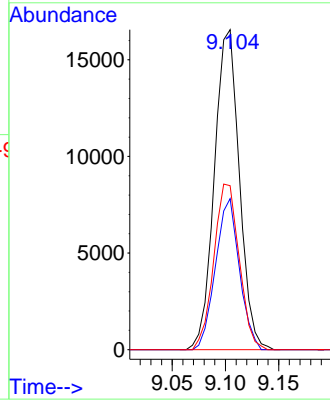
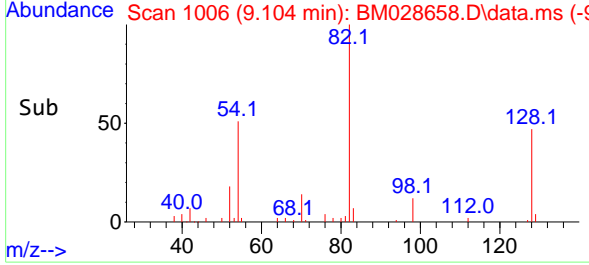
Instrument :
 BNA_M
ClientSampled :
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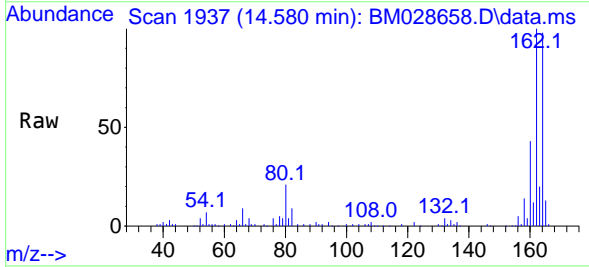
Tgt Ion: 82 Resp: 26972
 Ion Ratio Lower Upper
 82 100
 128 47.2 27.4 41.0#
 54 51.3 31.4 47.0#

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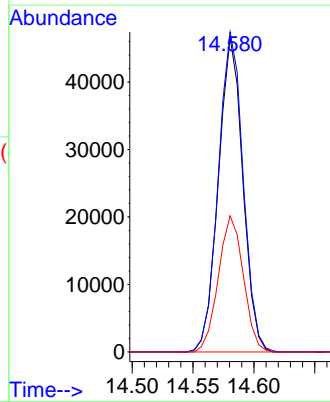
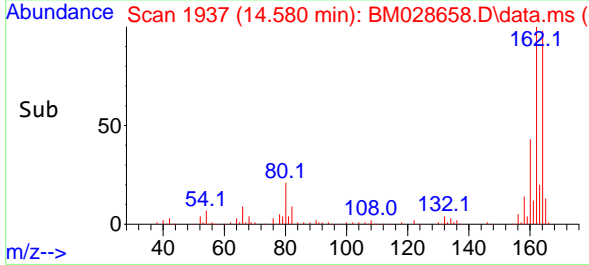
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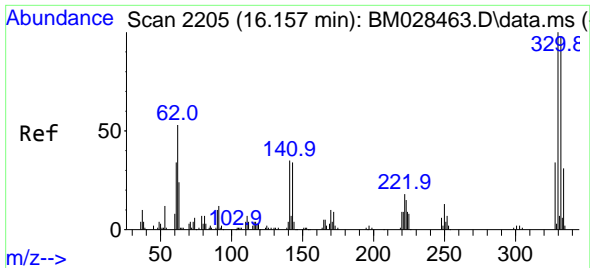


#39
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.580 min Scan# 1937
 Delta R.T. -0.006 min
 Lab File: BM028658.D
 Acq: 04 Feb 2021 17:30



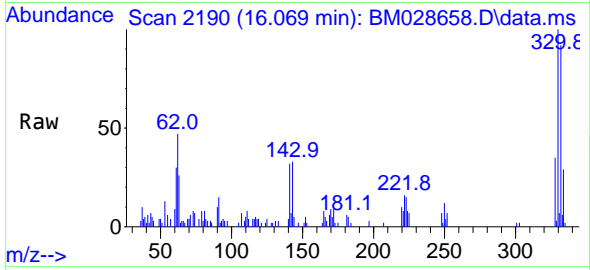
Tgt Ion: 164 Resp: 64796
 Ion Ratio Lower Upper
 164 100
 162 101.7 80.4 120.6
 160 43.2 35.9 53.9





#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

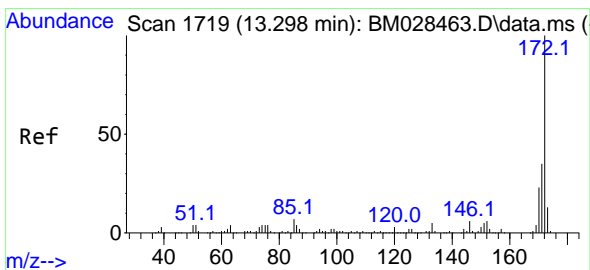
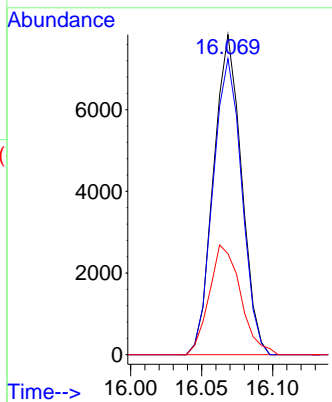
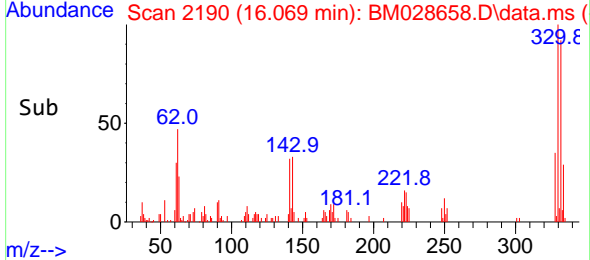
Instrument :
 BNA_M
ClientSampled :
 OU421-007-0002



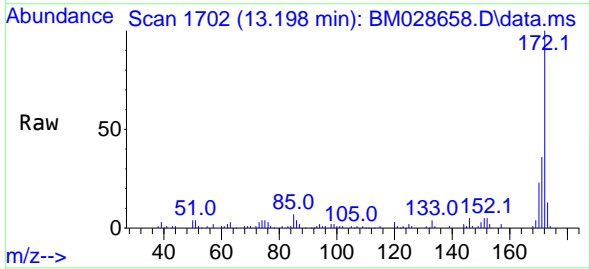
Tgt Ion: 330 Resp: 10743

Ion	Ratio	Lower	Upper
330	100		
332	94.8	77.8	116.8
141	38.5	28.4	42.6

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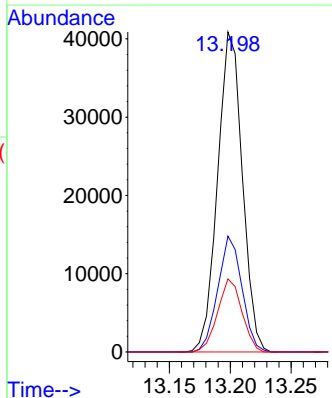
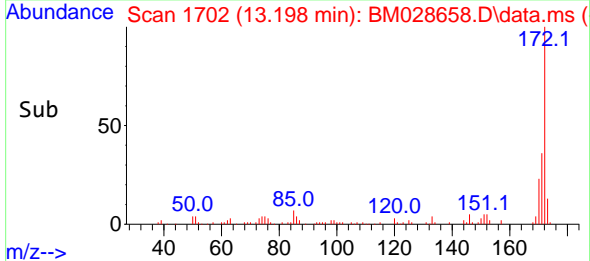


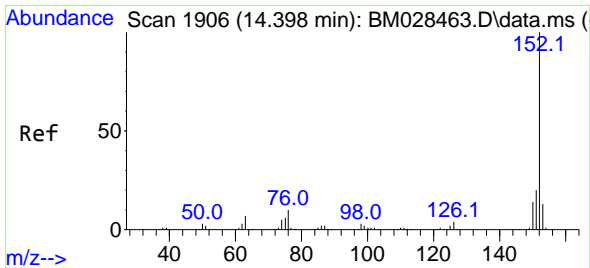
#45
 2-Fluorobiphenyl
 Concen: 11.18 ng
 RT: 13.198 min Scan# 1702
 Delta R.T. -0.012 min
 Lab File: BM028658.D
 Acq: 04 Feb 2021 17:30



Tgt Ion: 172 Resp: 57762

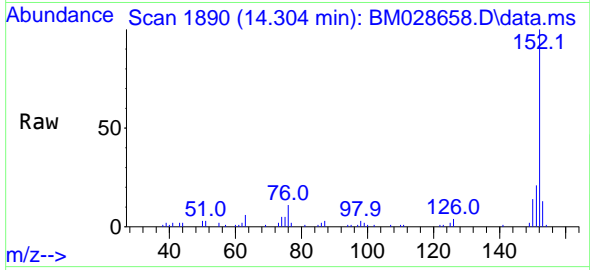
Ion	Ratio	Lower	Upper
172	100		
171	36.2	27.8	41.8
170	22.8	18.6	27.8





#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

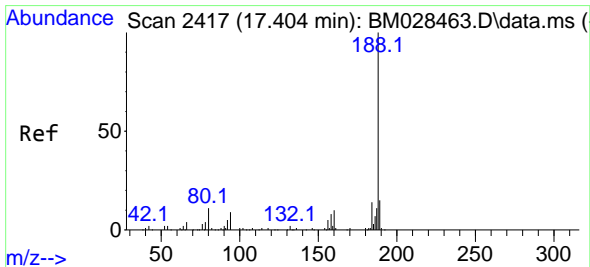
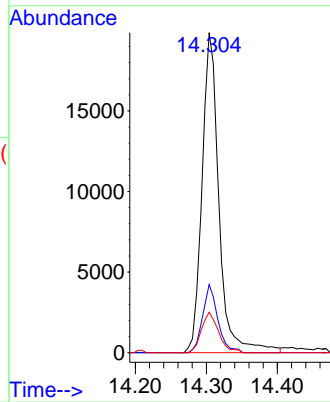
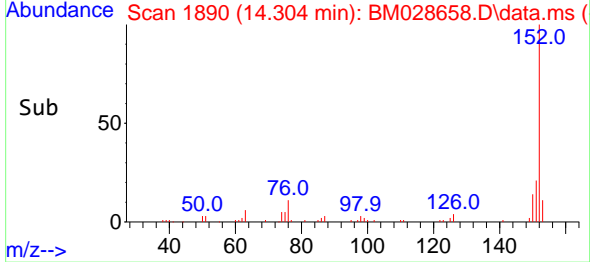
Instrument :
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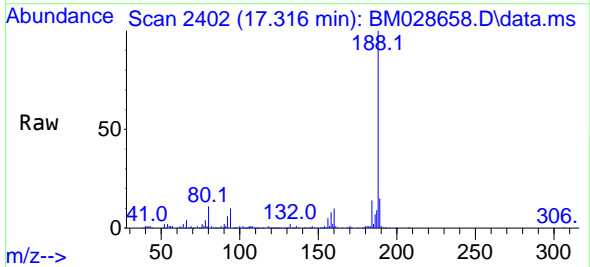
Tgt Ion:152 Resp: 32984
 Ion Ratio Lower Upper
 152 100
 151 21.3 15.8 23.6
 153 12.7 10.4 15.6

Manual Integrations
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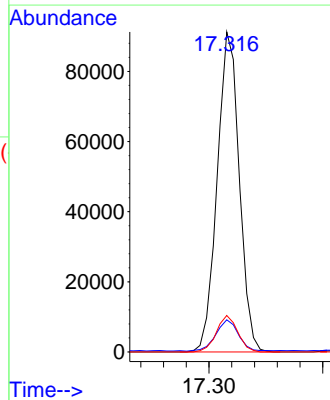
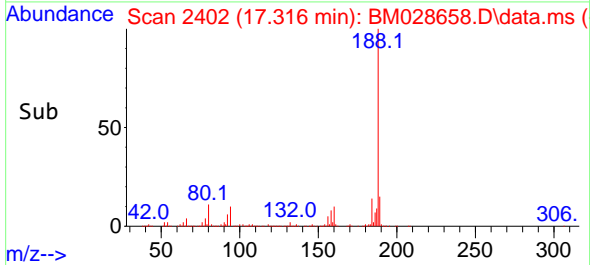
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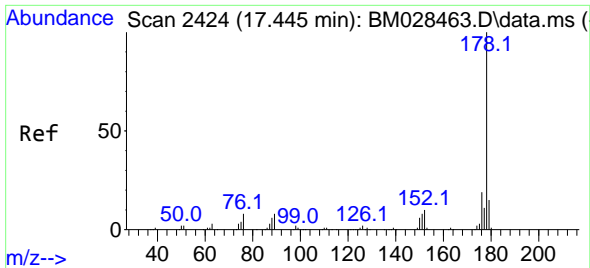


#64
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.316 min Scan# 2402
 Delta R.T. -0.006 min
 Lab File: BM028658.D
 Acq: 04 Feb 2021 17:30



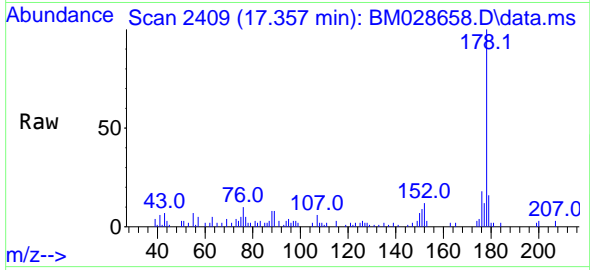
Tgt Ion:188 Resp: 123227
 Ion Ratio Lower Upper
 188 100
 94 10.0 6.2 9.4#
 80 11.4 7.5 11.3#





#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

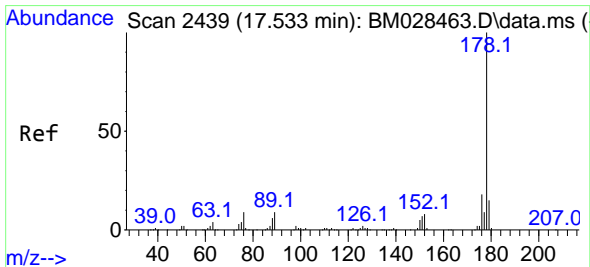
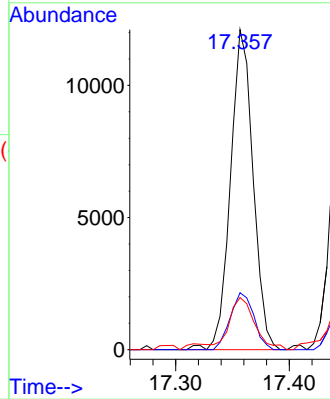
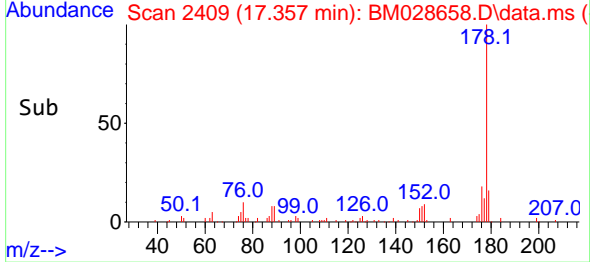
Instrument :
 BNA_M
 ClientSampleId :
 OU421-007-0002



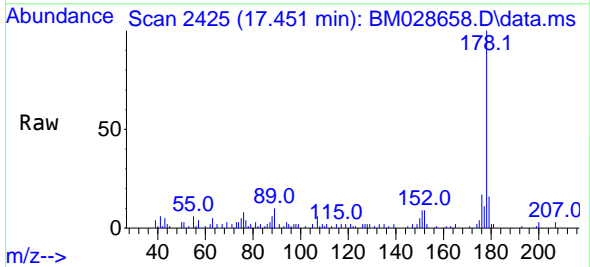
Tgt Ion:178 Resp: 16736
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.0 22.6
 179 16.3 12.2 18.4

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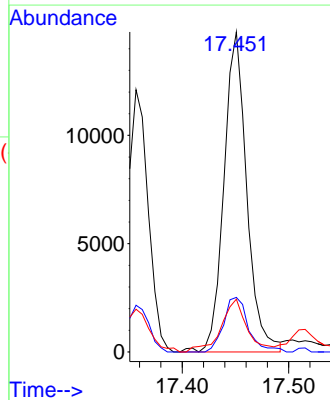
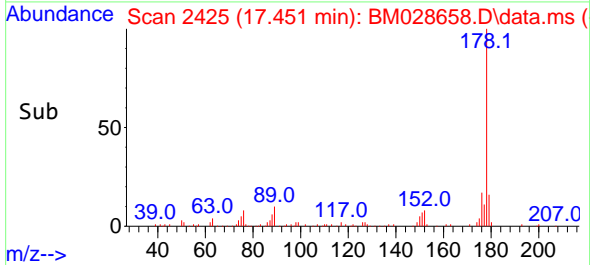
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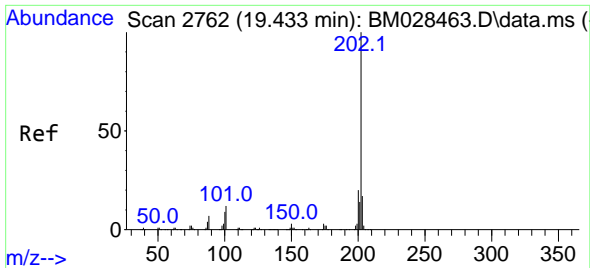


#72
 Anthracene
 Concen: 3.00 ng
 RT: 17.451 min Scan# 2425
 Delta R.T. -0.006 min
 Lab File: BM028658.D
 Acq: 04 Feb 2021 17:30



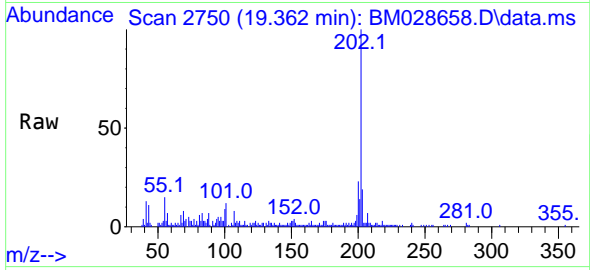
Tgt Ion:178 Resp: 21972
 Ion Ratio Lower Upper
 178 100
 176 17.1 15.0 22.4
 179 16.5 12.5 18.7





#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
 ClientSampled :
 OU421-007-0002

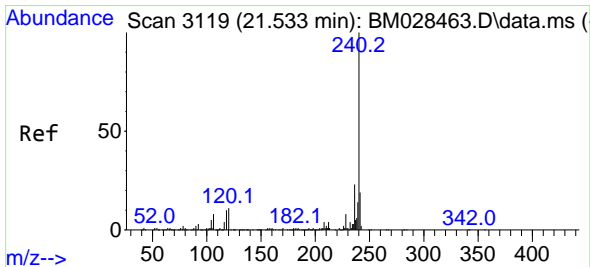
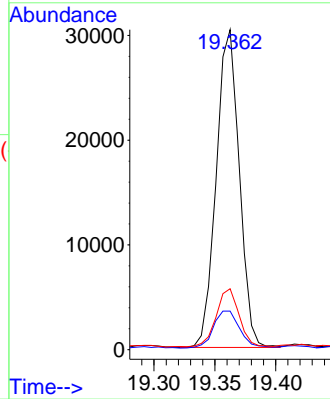
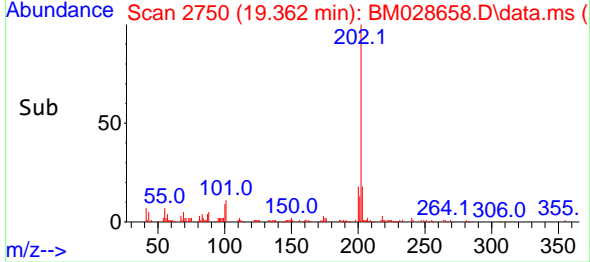


Tgt Ion:202 Resp: 39948

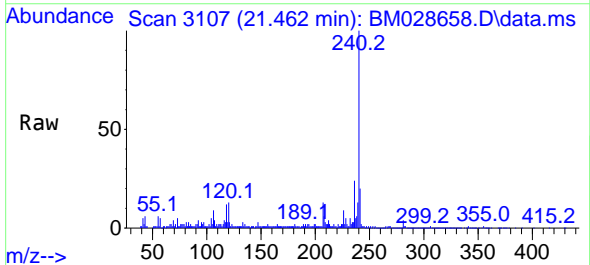
Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	28.5
203	19.1	0.0	37.3

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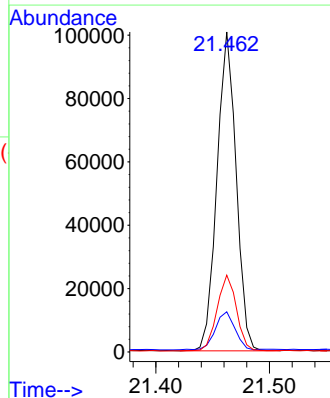
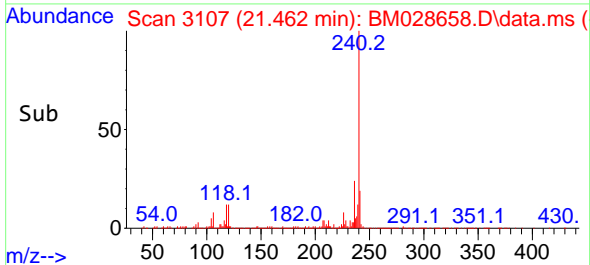


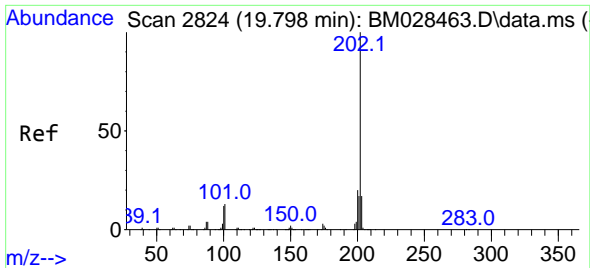
#76
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.462 min Scan# 3107
 Delta R.T. -0.006 min
 Lab File: BM028658.D
 Acq: 04 Feb 2021 17:30



Tgt Ion:240 Resp: 118054

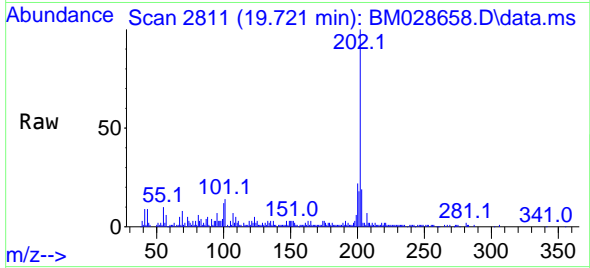
Ion	Ratio	Lower	Upper
240	100		
120	12.6	6.4	9.6#
236	24.0	20.1	30.1





#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

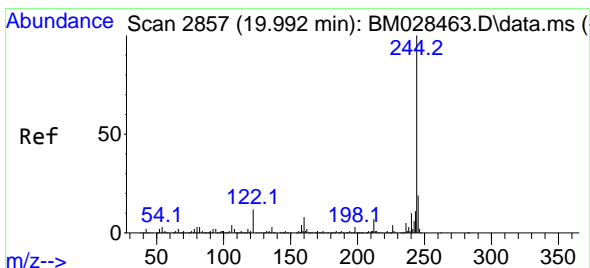
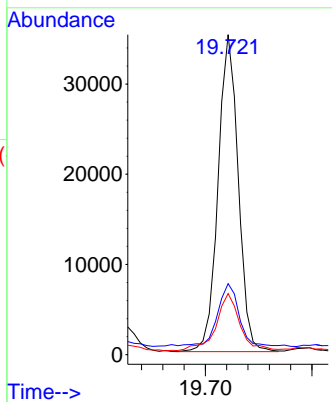
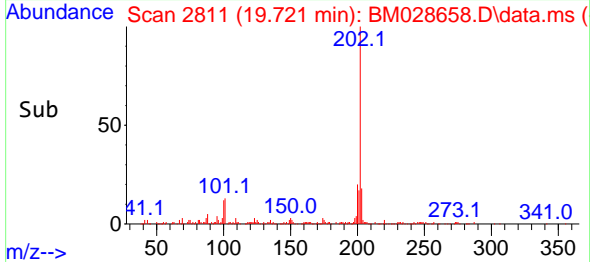
Instrument :
 BNA_M
 ClientSampled :
 OU421-007-0002



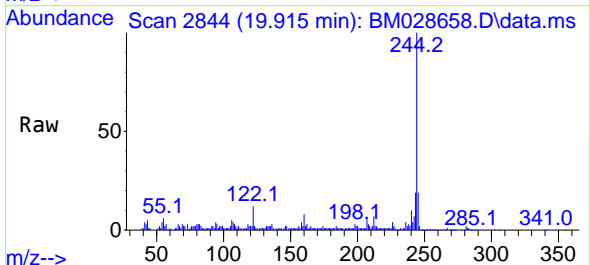
Tgt Ion:202 Resp: 46094
 Ion Ratio Lower Upper
 202 100
 200 22.2 16.6 24.8
 203 19.1 13.8 20.6

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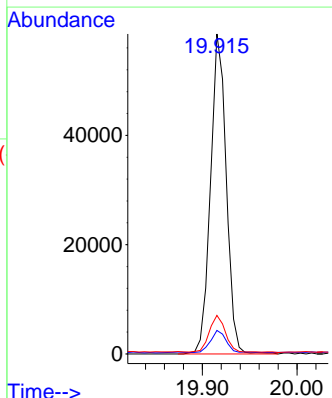
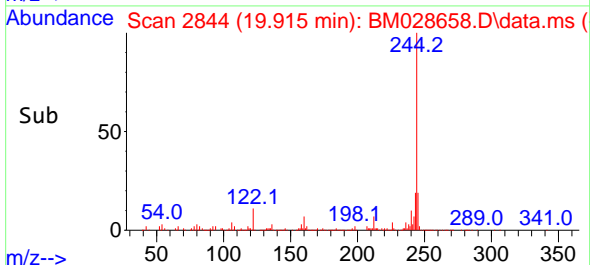
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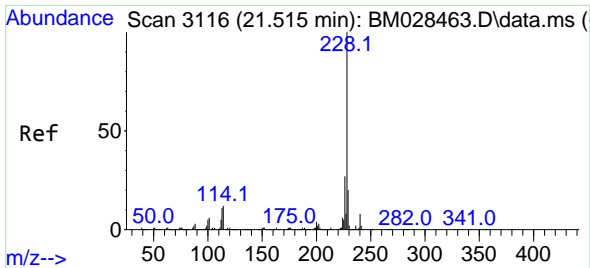


#79
 Terphenyl-d14
 Concen: 10.35 ng
 RT: 19.915 min Scan# 2844
 Delta R.T. -0.006 min
 Lab File: BM028658.D
 Acq: 04 Feb 2021 17:30



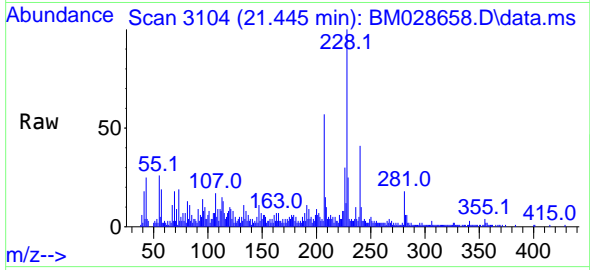
Tgt Ion:244 Resp: 67656
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.8
 122 12.1 6.5 9.7#





#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

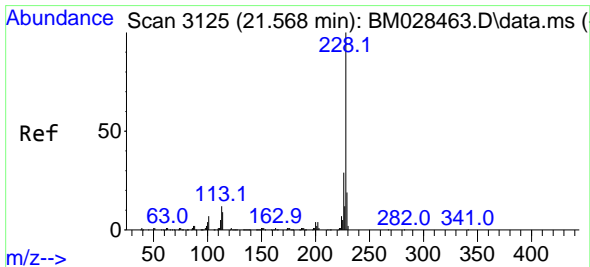
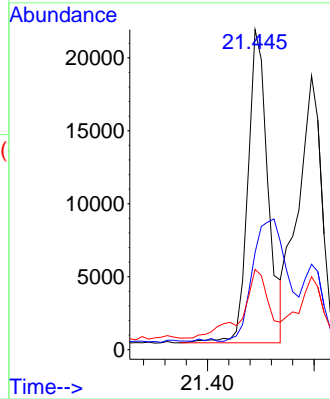
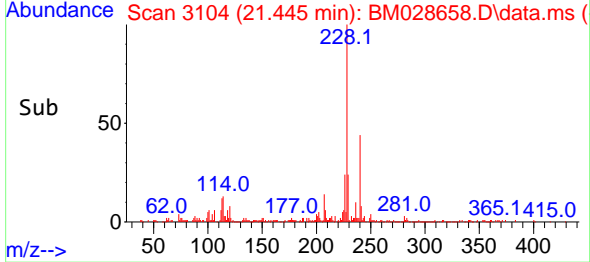
Instrument :
 BNA_M
 ClientSampled :
 OU421-007-0002



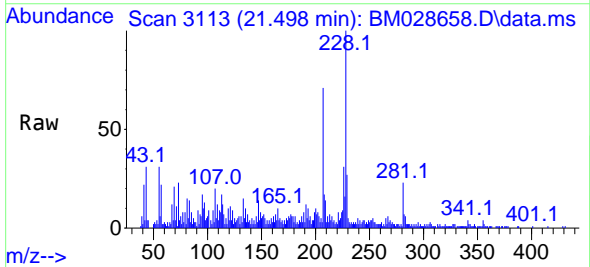
Tgt Ion:228 Resp: 28128
 Ion Ratio Lower Upper
 228 100
 226 30.4 21.1 31.7
 229 25.1 15.7 23.5#

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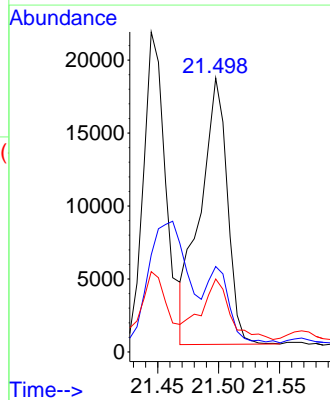
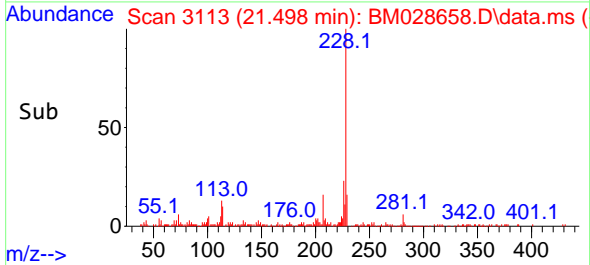
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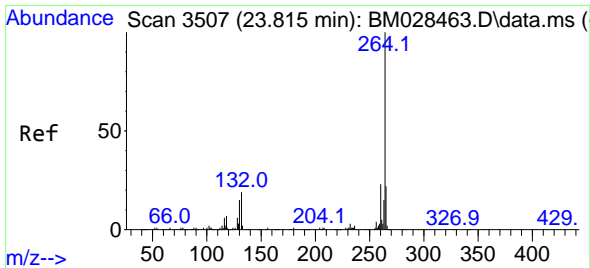


#83
 Chrysene
 Concen: 3.60 ng
 RT: 21.498 min Scan# 3113
 Delta R.T. -0.006 min
 Lab File: BM028658.D
 Acq: 04 Feb 2021 17:30



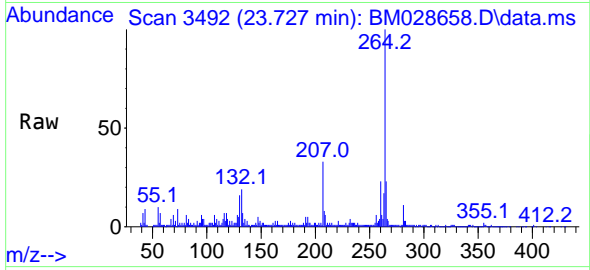
Tgt Ion:228 Resp: 28319
 Ion Ratio Lower Upper
 228 100
 226 31.2 23.4 35.0
 229 26.7 15.7 23.5#





#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

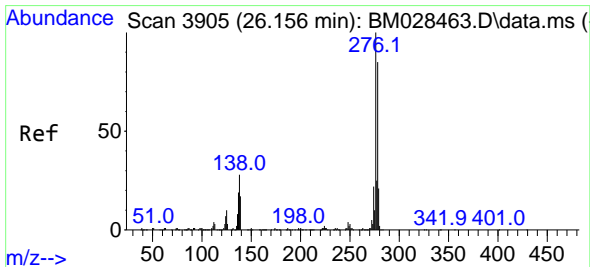
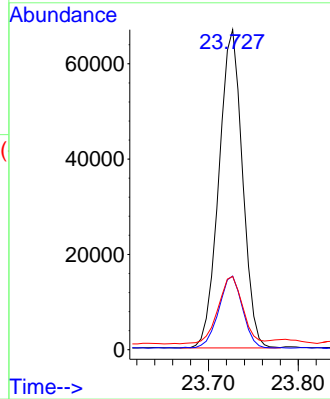
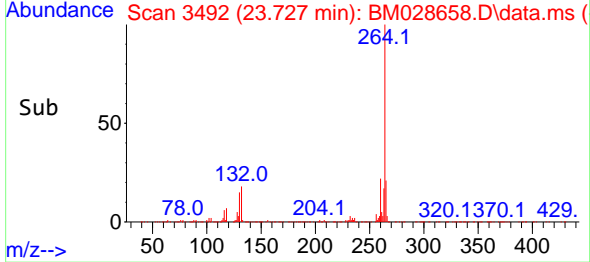
Instrument :
BNA_M
ClientSampled :
OU421-007-0002



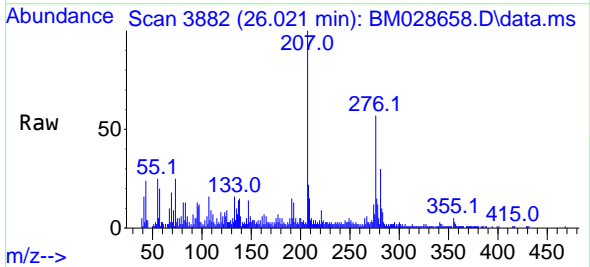
Tgt Ion:264 Resp: 121860
Ion Ratio Lower Upper
264 100
260 23.0 19.0 28.4
265 22.9 17.7 26.5

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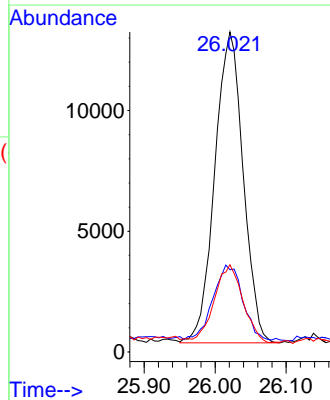
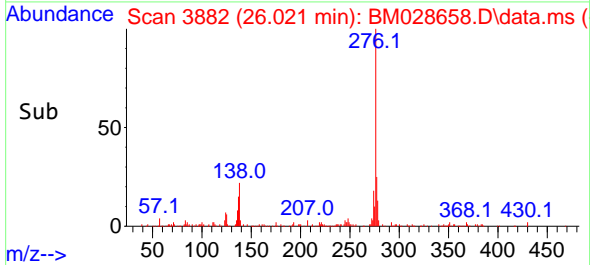
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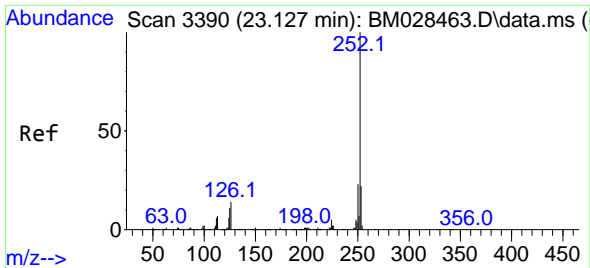


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.94 ng m
RT: 26.021 min Scan# 3882
Delta R.T. -0.012 min
Lab File: BM028658.D
Acq: 04 Feb 2021 17:30



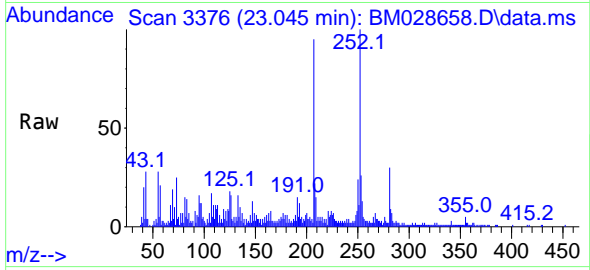
Tgt Ion:276 Resp: 35736
Ion Ratio Lower Upper
276 100
138 0.7 14.2 21.4#
277 0.9 19.8 29.8#





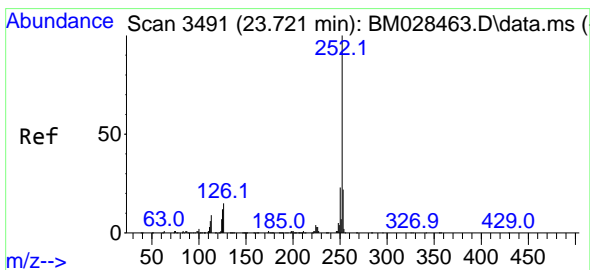
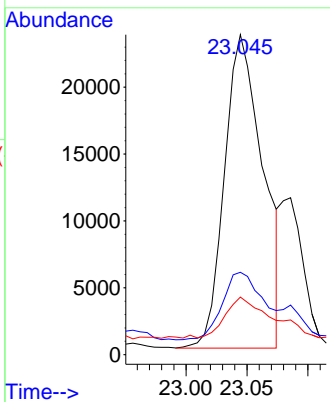
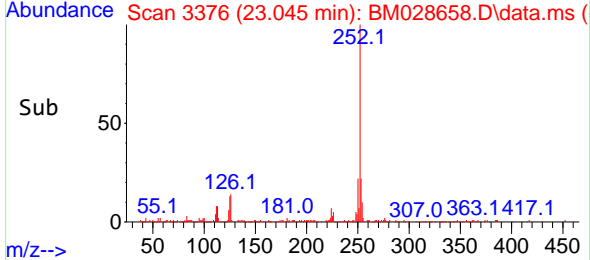
#88
 Benzo(b)fluoranthene
 Concen: 6.24 ng m
 RT: 23.045 min Scan# 3376
 Delta R.T. -0.006 min
 Lab File: BM028658.D
 Acq: 04 Feb 2021 17:30

Instrument :
 BNA_M
ClientSampled :
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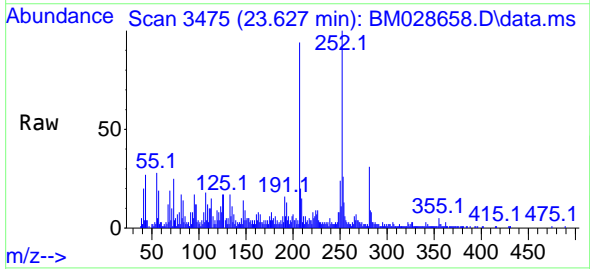


Tgt Ion:252 Resp: 51585
 Ion Ratio Lower Upper
 252 100
 253 25.8 17.4 26.0
 125 18.0 5.7 8.5#

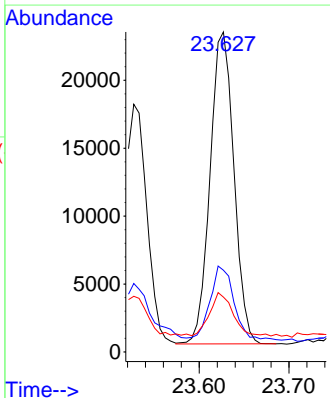
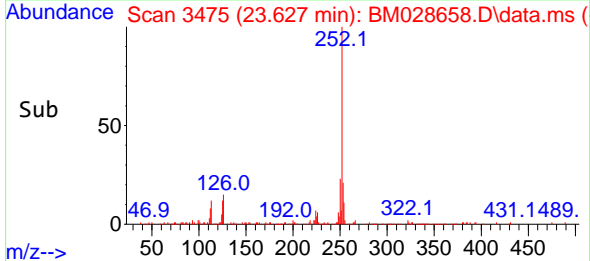
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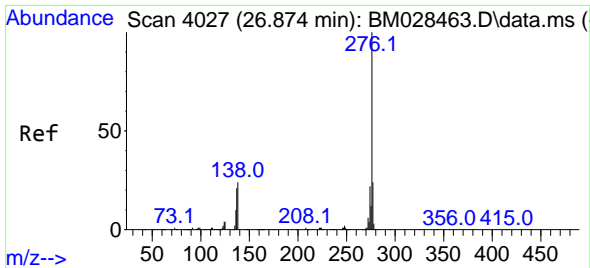


#90
 Benzo(a)pyrene
 Concen: 5.52 ng
 RT: 23.627 min Scan# 3475
 Delta R.T. -0.006 min
 Lab File: BM028658.D
 Acq: 04 Feb 2021 17:30



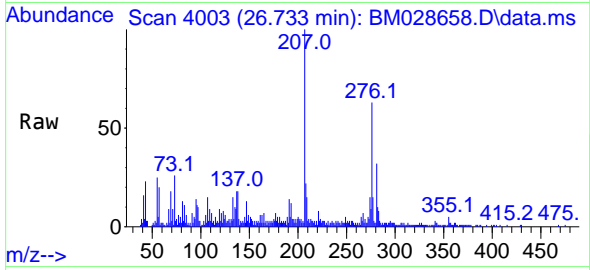
Tgt Ion:252 Resp: 42339
 Ion Ratio Lower Upper
 252 100
 253 25.6 17.4 26.2
 125 17.2 6.6 9.8#





#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#

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