

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020421\
 Data File : BM028654.D
 Acq On : 04 Feb 2021 15:03
 Operator : CG/JU
 Sample : M1291-21
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OU421-005-0002

Quant Time: Feb 04 15:38:46 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)

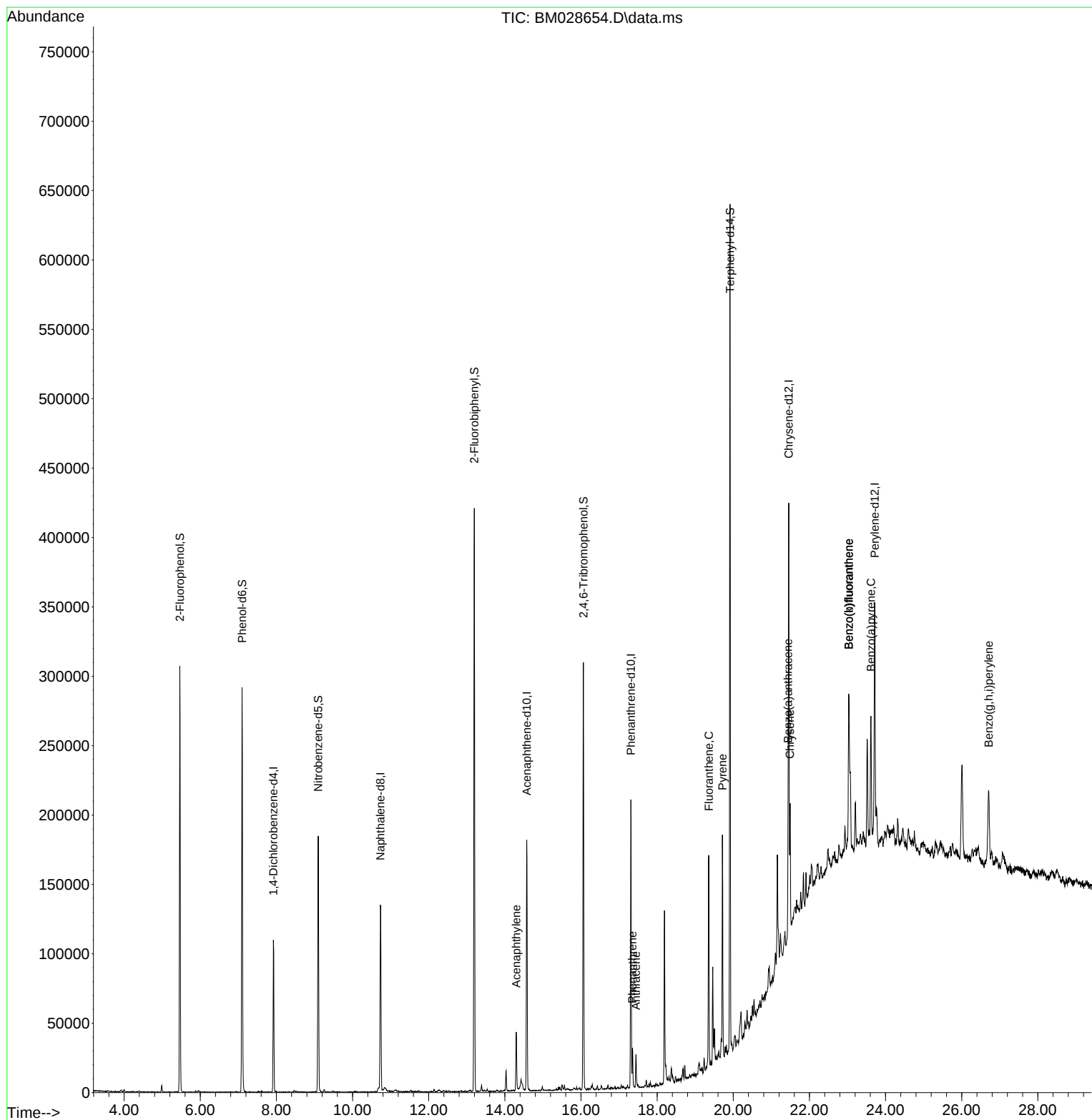
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	29300	20.00	ng	-0.01
21) Naphthalene-d8	10.733	136	111036	20.00	ng	#-0.01
39) Acenaphthene-d10	14.574	164	60213	20.00	ng	-0.01
64) Phenanthrene-d10	17.310	188	117279	20.00	ng	#-0.01
76) Chrysene-d12	21.456	240	110881	20.00	ng	#-0.01
86) Perylene-d12	23.715	264	114846	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	128002	69.01	ng	-0.02
7) Phenol-d6	7.098	99	158748	62.86	ng	-0.02
23) Nitrobenzene-d5	9.098	82	97475	41.64	ng	-0.01
42) 2,4,6-Tribromophenol	16.063	330	53041	66.48	ng	-0.01
45) 2-Fluorobiphenyl	13.198	172	209320	43.61	ng	-0.01
79) Terphenyl-d14	19.915	244	245593	40.00	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	14.298	152	33526	5.38	ng	99
71) Phenanthrene	17.351	178	17267	2.39	ng	98
72) Anthracene	17.445	178	15883	2.28	ng	98
75) Fluoranthene	19.356	202	82519	10.19	ng	97
78) Pyrene	19.715	202	88124	11.08	ng	98
81) Benzo(a)anthracene	21.439	228	39079	5.10	ng	97
83) Chrysene	21.492	228	48453	6.55	ng	99
88) Benzo(b)fluoranthene	23.033	252	119631	15.34	ng	# 93
89) Benzo(k)fluoranthene	23.033	252	119631	15.71	ng	# 93
90) Benzo(a)pyrene	23.615	252	57927	8.02	ng	# 93
92) Benzo(g,h,i)perylene	26.709	276	60258	8.65	ng	# 87

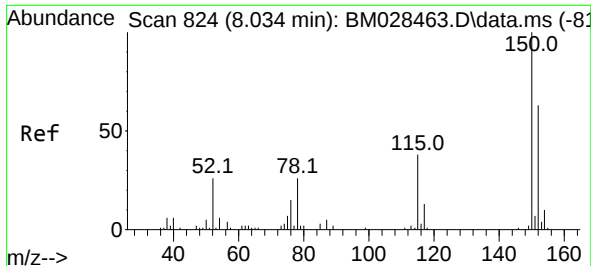
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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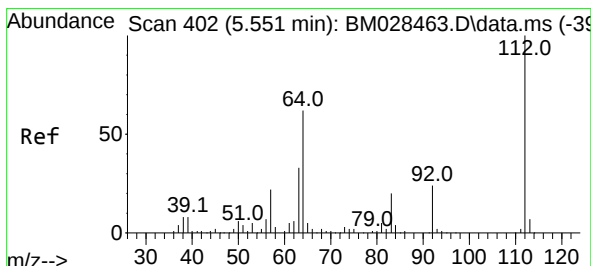
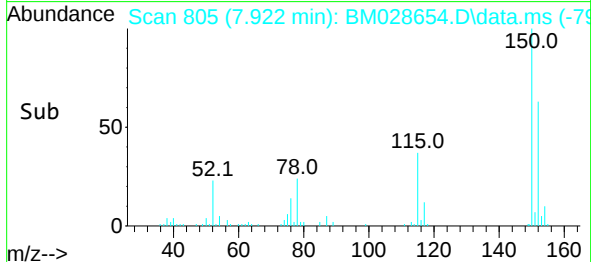
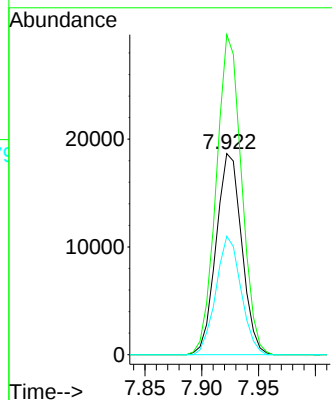
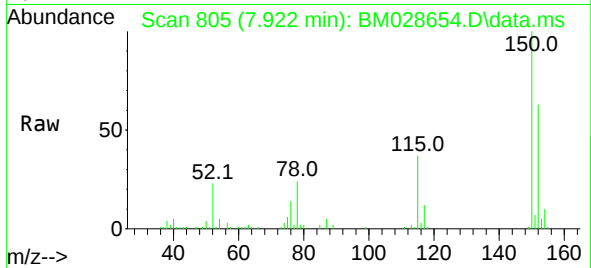




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.922 min Scan# 805
Delta R.T. -0.012 min
Lab File: BM028654.D
Acq: 04 Feb 2021 15:03

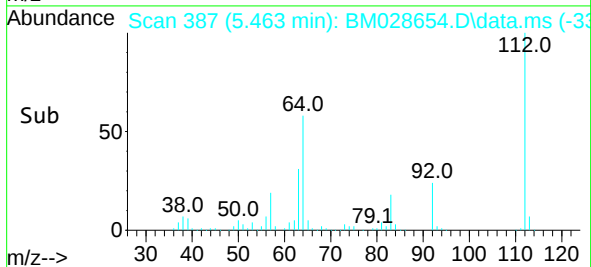
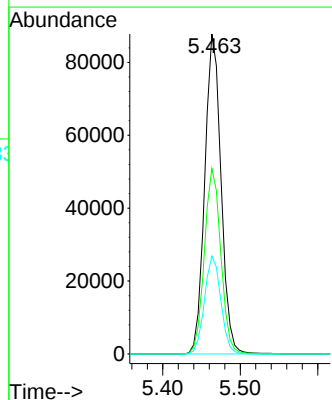
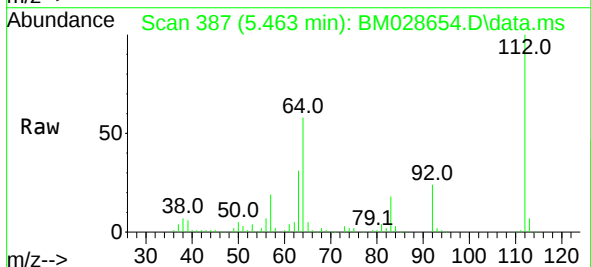
Instrument :
BNA_M
ClientSampleId :
OU421-005-0002

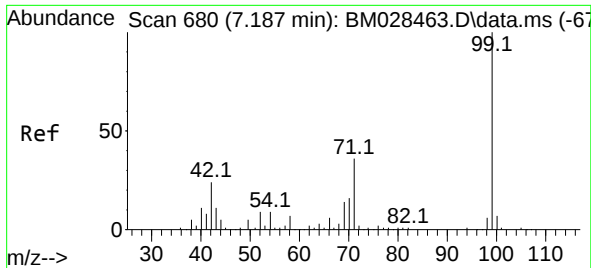
Tgt Ion:152 Resp: 29300
Ion Ratio Lower Upper
152 100
150 159.1 120.6 181.0
115 58.9 47.2 70.8



#5
2-Fluorophenol
Concen: 69.01 ng
RT: 5.463 min Scan# 387
Delta R.T. -0.018 min
Lab File: BM028654.D
Acq: 04 Feb 2021 15:03

Tgt Ion:112 Resp: 128002
Ion Ratio Lower Upper
112 100
64 57.9 50.6 76.0
63 30.6 31.0 46.6#

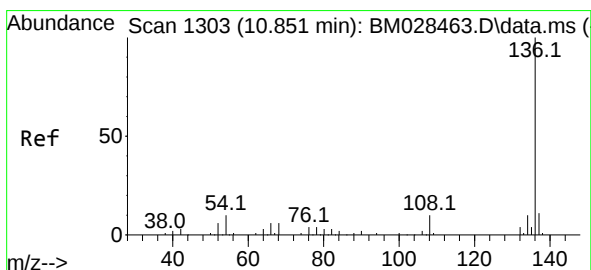
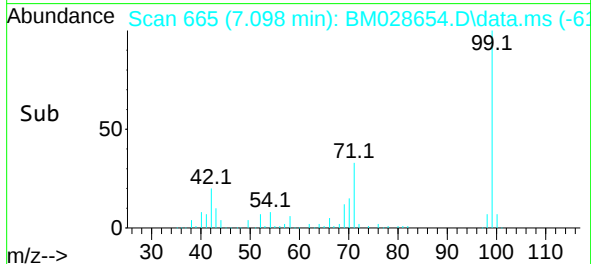
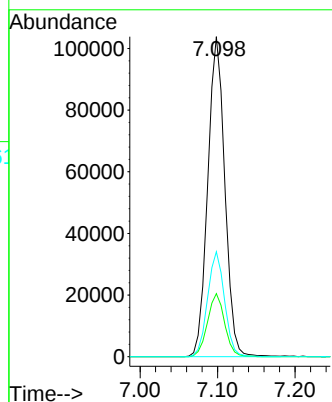
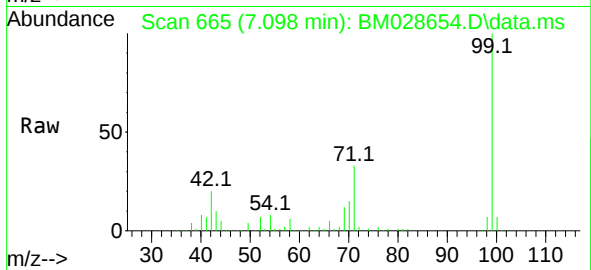




#7
Phenol-d6
Concen: 62.86 ng
RT: 7.098 min Scan# 665
Delta R.T. -0.024 min
Lab File: BM028654.D
Acq: 04 Feb 2021 15:03

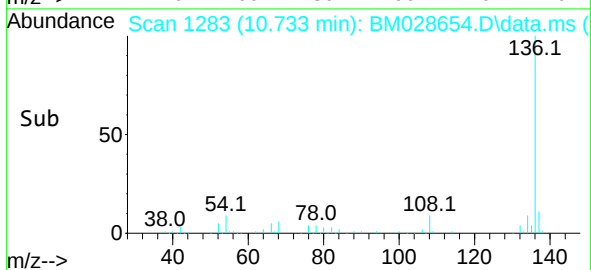
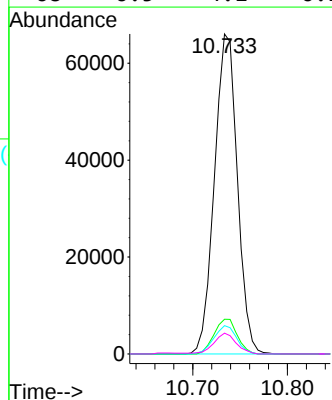
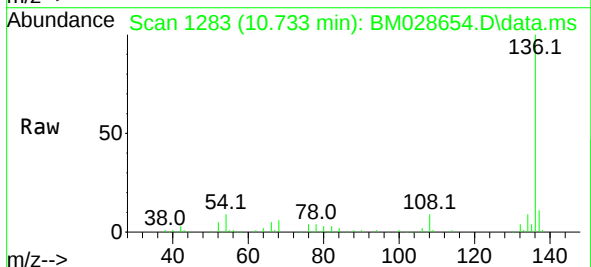
Instrument :
BNA_M
ClientSampleId :
OU421-005-0002

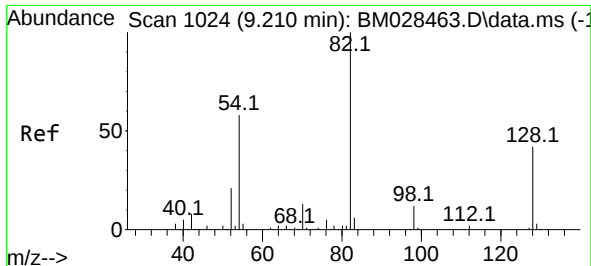
Tgt Ion: 99 Resp: 158748
Ion Ratio Lower Upper
99 100
42 19.7 13.5 20.3
71 32.8 39.4 59.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.733 min Scan# 1283
Delta R.T. -0.012 min
Lab File: BM028654.D
Acq: 04 Feb 2021 15:03

Tgt Ion: 136 Resp: 111036
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 8.9 4.6 7.0#
68 6.5 4.1 6.1#

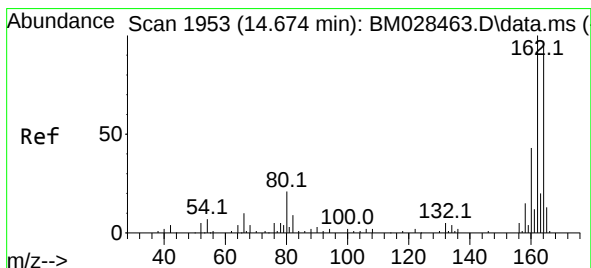
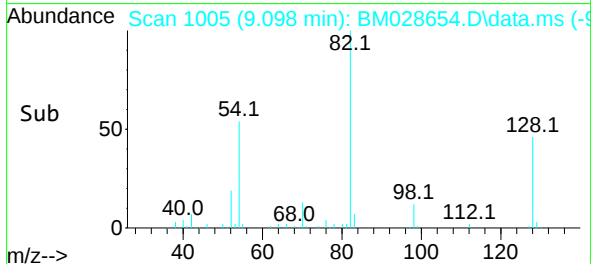
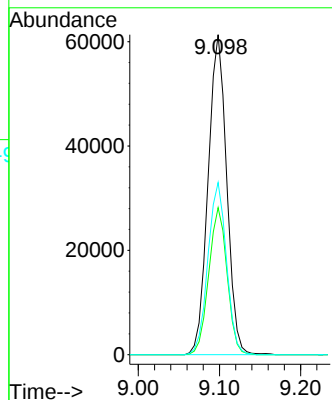
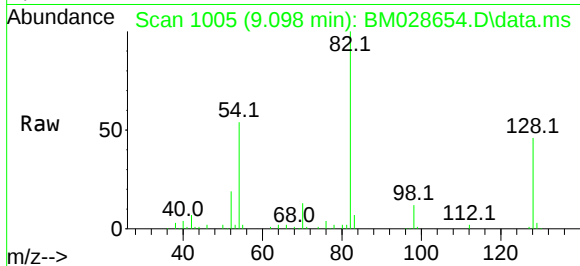




#23
Nitrobenzene-d5
Concen: 41.64 ng
RT: 9.098 min Scan# 1005
Delta R.T. -0.012 min
Lab File: BM028654.D
Acq: 04 Feb 2021 15:03

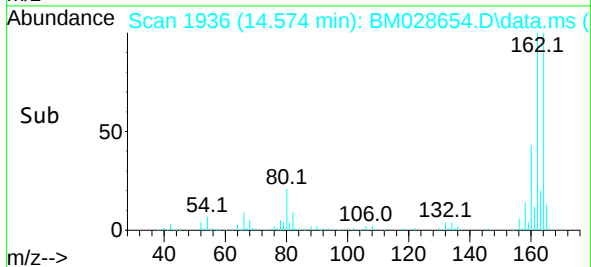
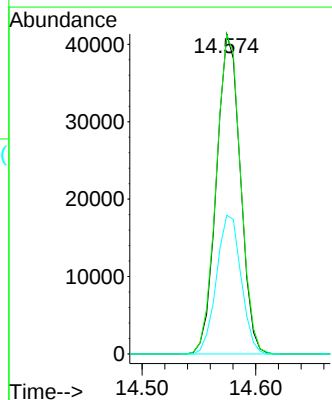
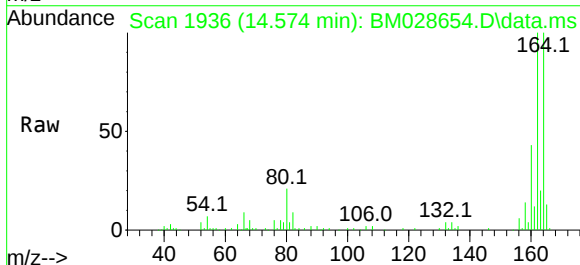
Instrument :
BNA_M
ClientSampleId :
OU421-005-0002

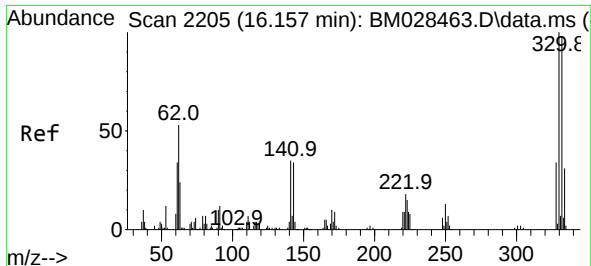
Tgt Ion: 82 Resp: 97475
Ion Ratio Lower Upper
82 100
128 45.9 27.4 41.0#
54 53.8 31.4 47.0#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.574 min Scan# 1936
Delta R.T. -0.012 min
Lab File: BM028654.D
Acq: 04 Feb 2021 15:03

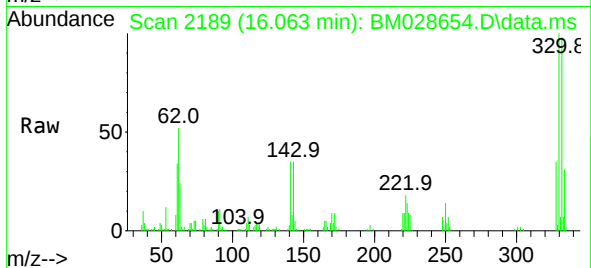
Tgt Ion:164 Resp: 60213
Ion Ratio Lower Upper
164 100
162 99.7 80.4 120.6
160 43.3 35.9 53.9



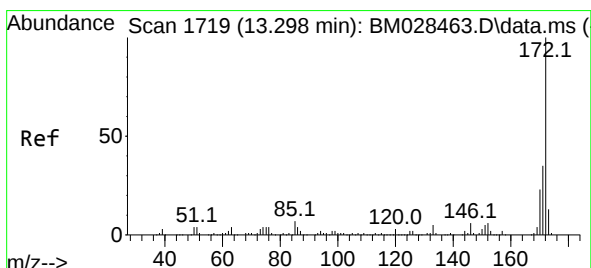
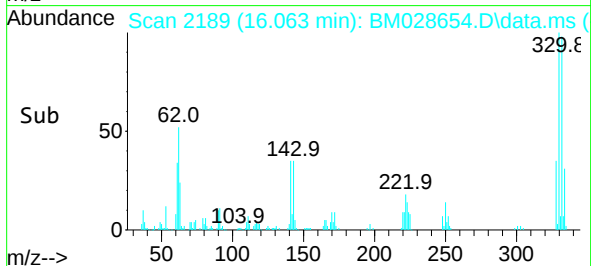
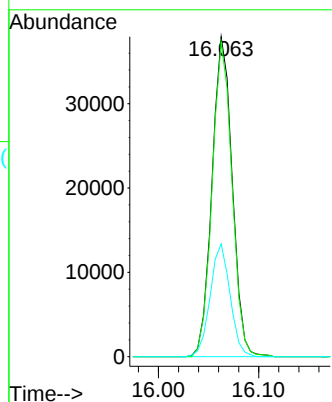


#42
2,4,6-Tribromophenol
Concen: 66.48 ng
RT: 16.063 min Scan# 2189
Delta R.T. -0.012 min
Lab File: BM028654.D
Acq: 04 Feb 2021 15:03

Instrument :
BNA_M
ClientSampleId :
OU421-005-0002

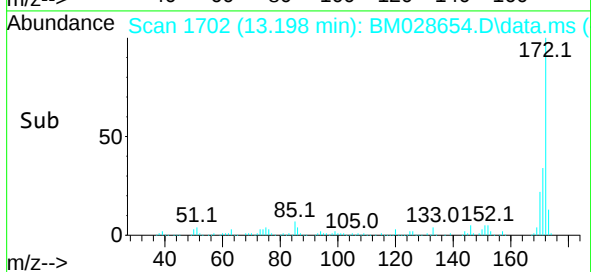
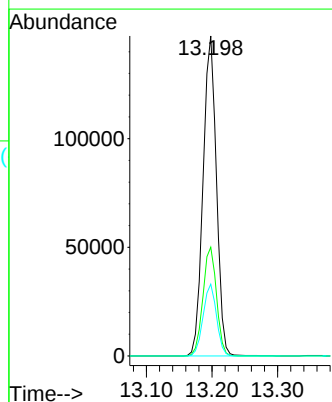
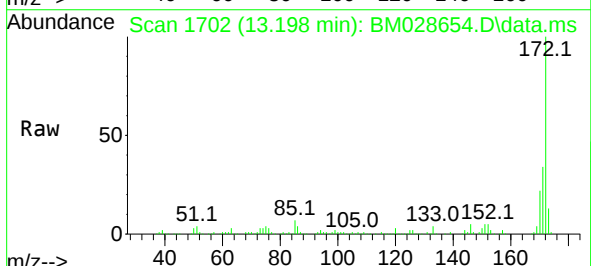


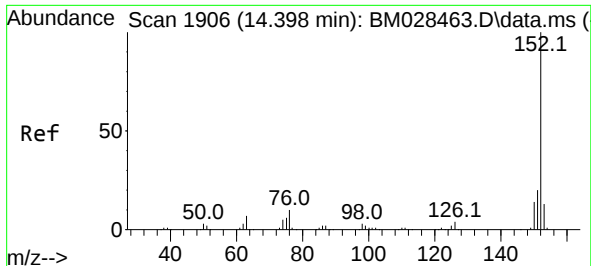
Tgt Ion:330 Resp: 53041
Ion Ratio Lower Upper
330 100
332 96.7 77.8 116.8
141 34.7 28.4 42.6



#45
2-Fluorobiphenyl
Concen: 43.61 ng
RT: 13.198 min Scan# 1702
Delta R.T. -0.012 min
Lab File: BM028654.D
Acq: 04 Feb 2021 15:03

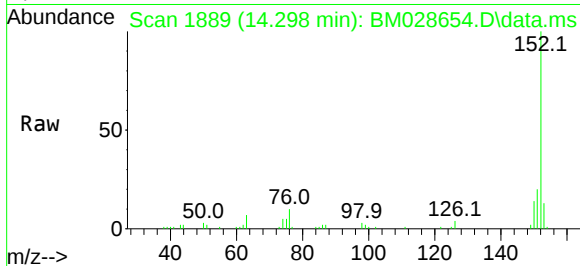
Tgt Ion:172 Resp: 209320
Ion Ratio Lower Upper
172 100
171 34.0 27.8 41.8
170 22.4 18.6 27.8



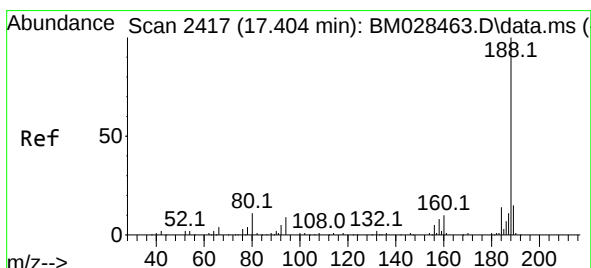
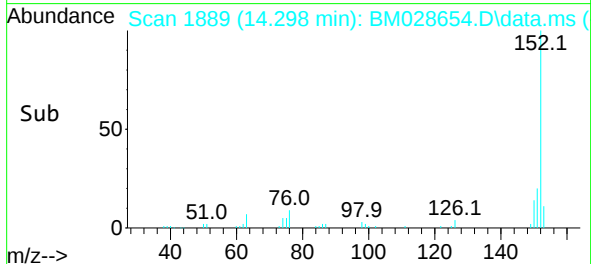
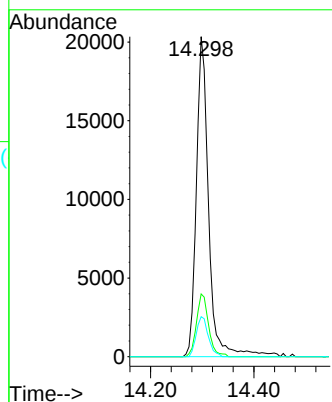


#49
Acenaphthylene
Concen: 5.38 ng
RT: 14.298 min Scan# 1889
Delta R.T. -0.018 min
Lab File: BM028654.D
Acq: 04 Feb 2021 15:03

Instrument :
BNA_M
ClientSampleId :
OU421-005-0002

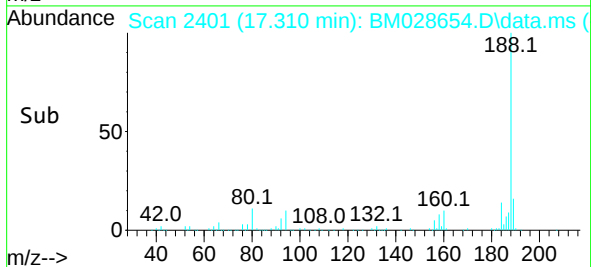
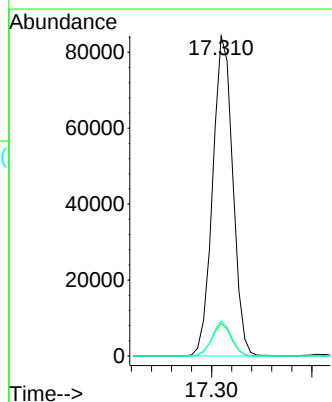
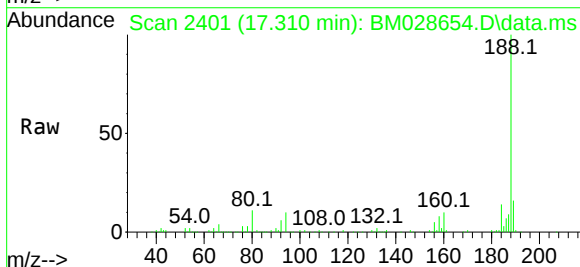


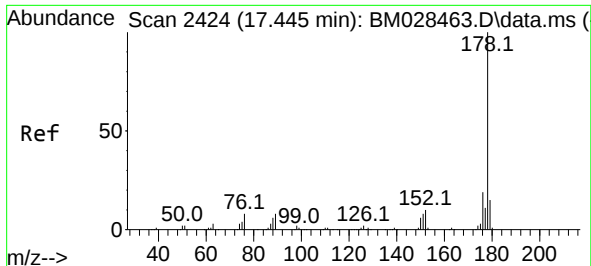
Tgt Ion:152 Resp: 33526
Ion Ratio Lower Upper
152 100
151 19.6 15.8 23.6
153 12.5 10.4 15.6



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.310 min Scan# 2401
Delta R.T. -0.012 min
Lab File: BM028654.D
Acq: 04 Feb 2021 15:03

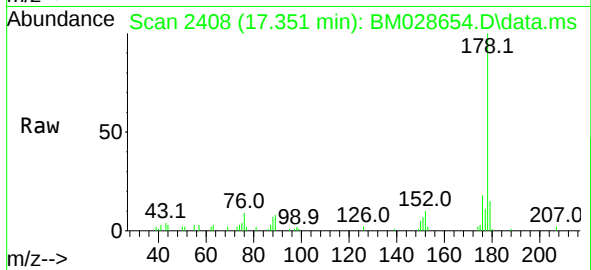
Tgt Ion:188 Resp: 117279
Ion Ratio Lower Upper
188 100
94 10.2 6.2 9.4#
80 10.9 7.5 11.3



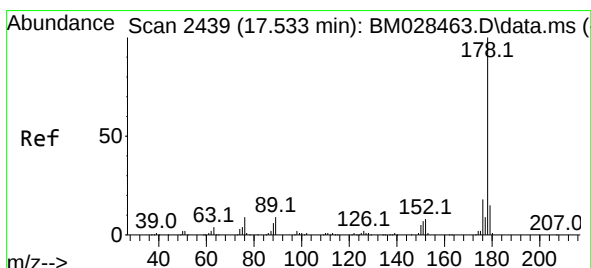
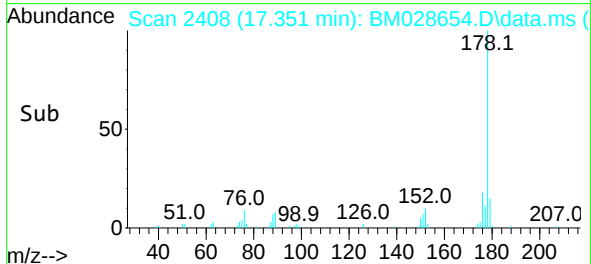
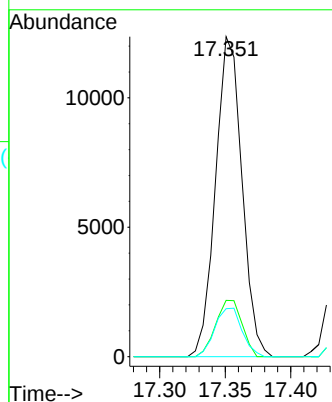


#71
Phenanthrene
Concen: 2.39 ng
RT: 17.351 min Scan# 2408
Delta R.T. -0.012 min
Lab File: BM028654.D
Acq: 04 Feb 2021 15:03

Instrument :
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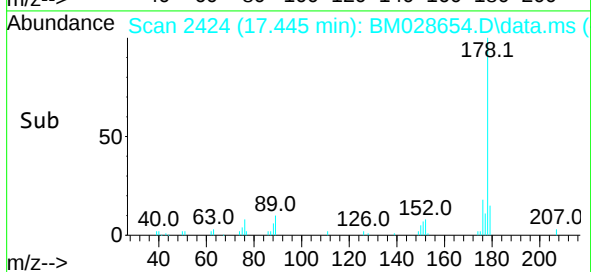
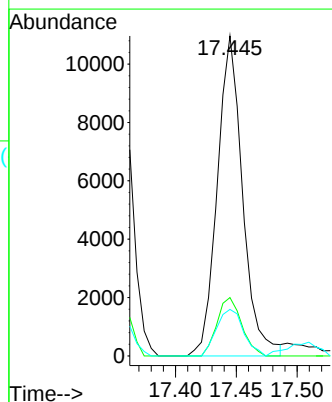
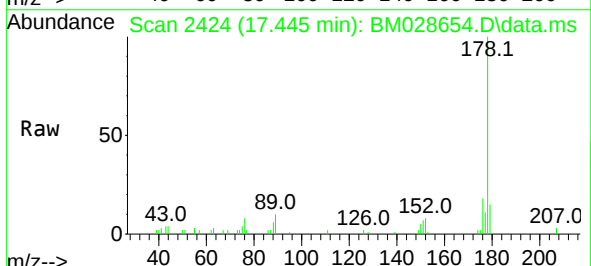


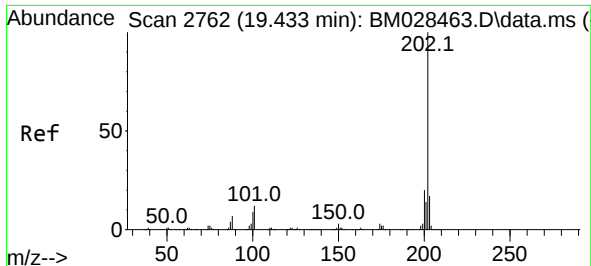
Tgt Ion:178 Resp: 17267
Ion Ratio Lower Upper
178 100
176 17.6 15.0 22.6
179 15.0 12.2 18.4



#72
Anthracene
Concen: 2.28 ng
RT: 17.445 min Scan# 2424
Delta R.T. -0.012 min
Lab File: BM028654.D
Acq: 04 Feb 2021 15:03

Tgt Ion:178 Resp: 15883
Ion Ratio Lower Upper
178 100
176 18.3 15.0 22.4
179 14.5 12.5 18.7

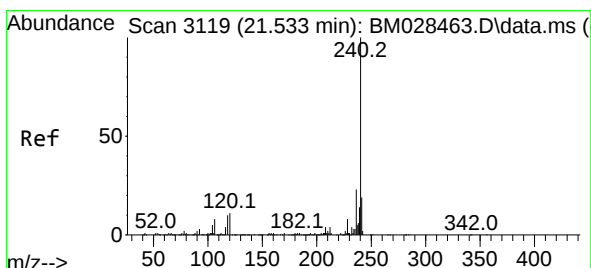
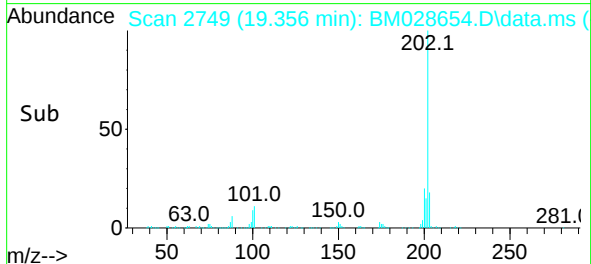
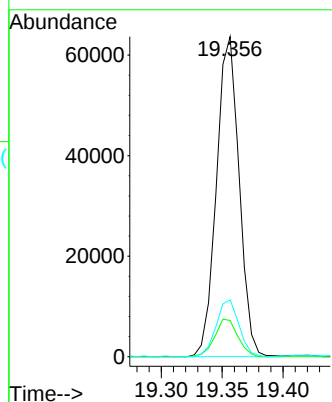
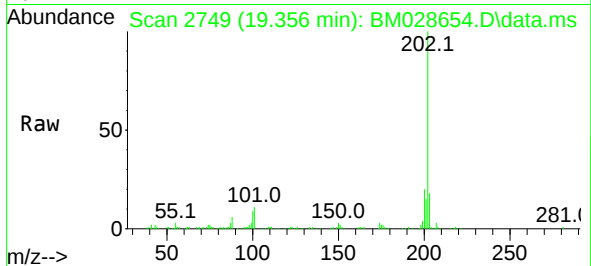




#75
Fluoranthene
Concen: 10.19 ng
RT: 19.356 min Scan# 2749
Delta R.T. -0.012 min
Lab File: BM028654.D
Acq: 04 Feb 2021 15:03

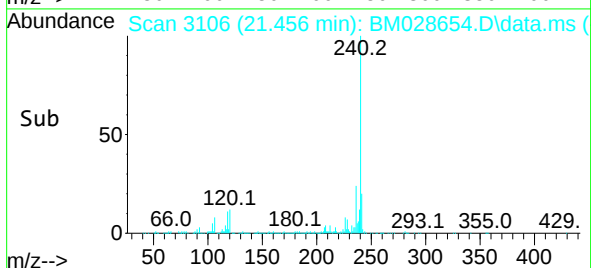
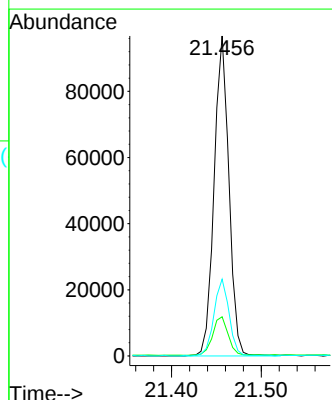
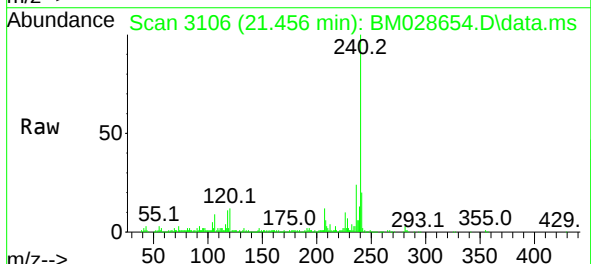
Instrument :
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ClientSampleId :
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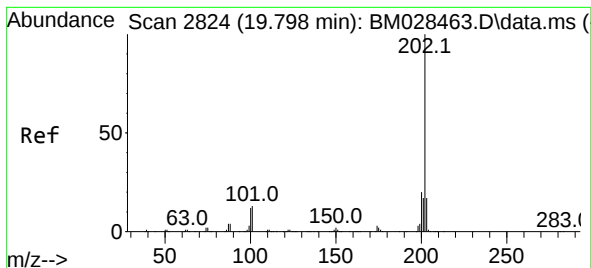
Tgt Ion:	202	Resp:	82519
Ion Ratio	Lower	Upper	
202	100		
101	11.3	0.0	28.5
203	17.8	0.0	37.3



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.456 min Scan# 3106
Delta R.T. -0.012 min
Lab File: BM028654.D
Acq: 04 Feb 2021 15:03

Tgt Ion:	240	Resp:	110881
Ion Ratio	Lower	Upper	
240	100		
120	12.2	6.4	9.6#
236	24.0	20.1	30.1





#78

Pyrene

Concen: 11.08 ng

RT: 19.715 min Scan# 2810

Delta R.T. -0.012 min

Lab File: BM028654.D

Acq: 04 Feb 2021 15:03

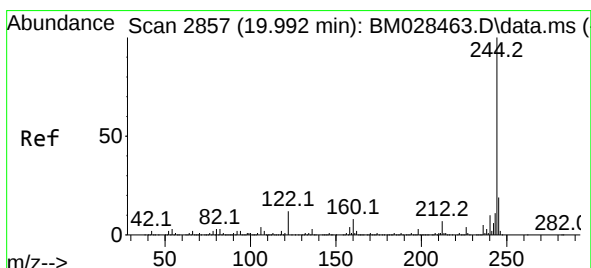
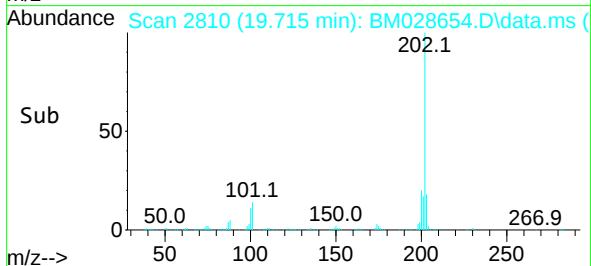
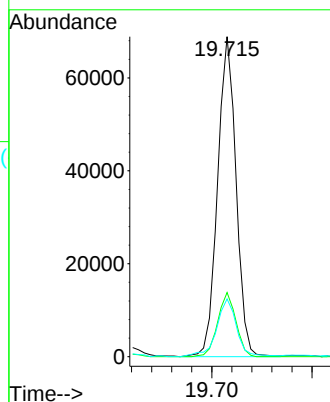
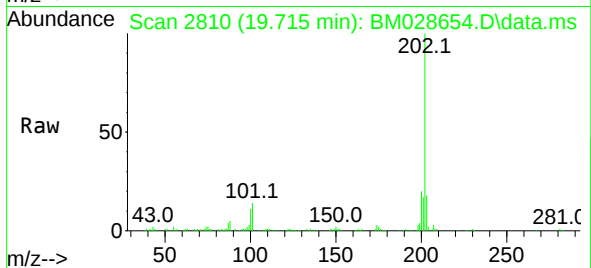
Tgt Ion:	202	Resp:	88124
Ion Ratio	Lower	Upper	
202	100		
200	20.1	16.6	24.8
203	18.1	13.8	20.6

Instrument :

BNA_M

ClientSampleId :

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#79

Terphenyl-d14

Concen: 40.00 ng

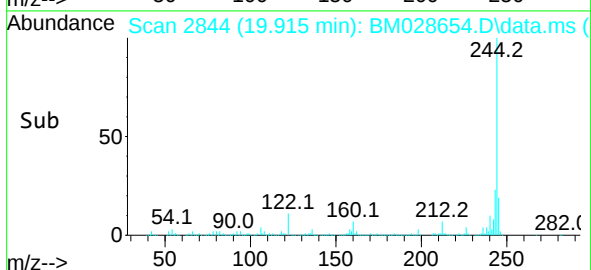
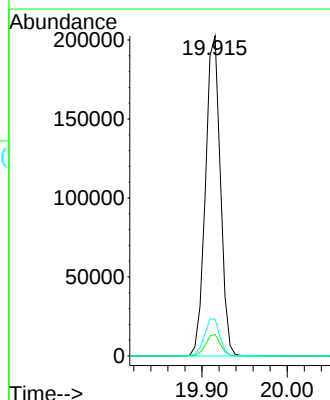
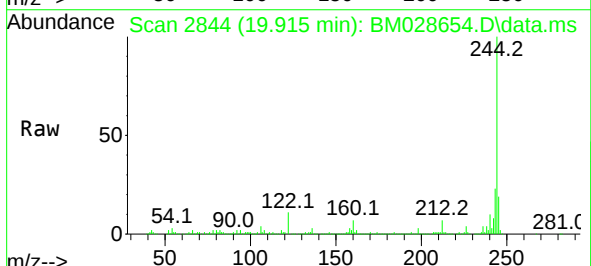
RT: 19.915 min Scan# 2844

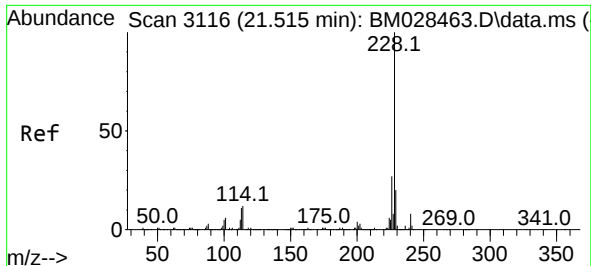
Delta R.T. -0.006 min

Lab File: BM028654.D

Acq: 04 Feb 2021 15:03

Tgt Ion:	244	Resp:	245593
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.8	8.8
122	11.4	6.5	9.7#

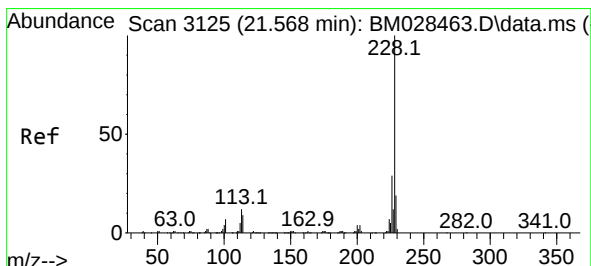
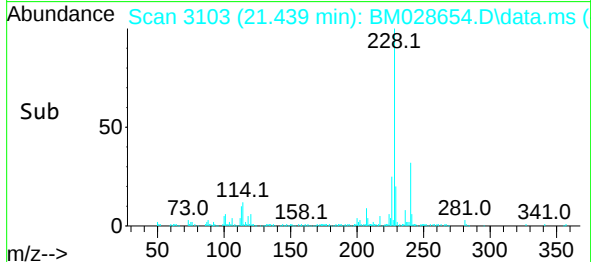
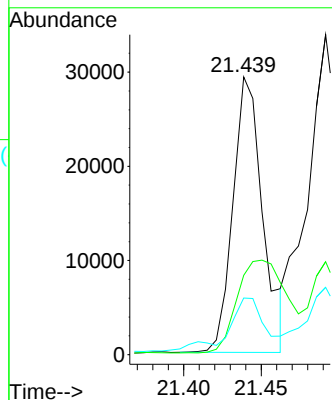
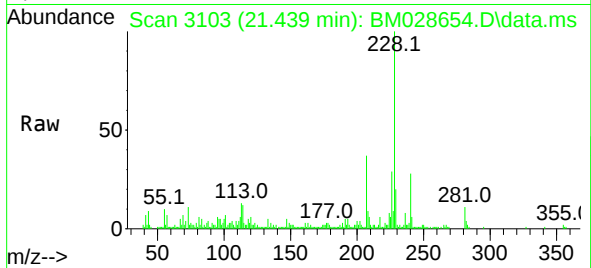




#81
Benzo(a)anthracene
Concen: 5.10 ng
RT: 21.439 min Scan# 3103
Delta R.T. -0.012 min
Lab File: BM028654.D
Acq: 04 Feb 2021 15:03

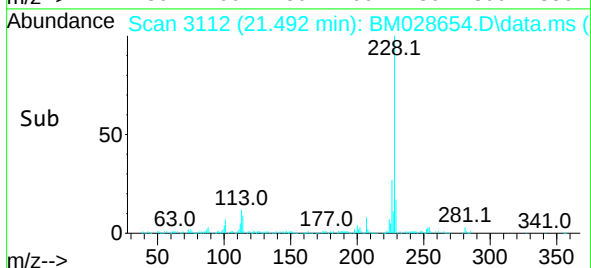
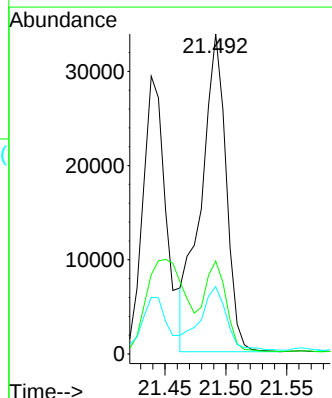
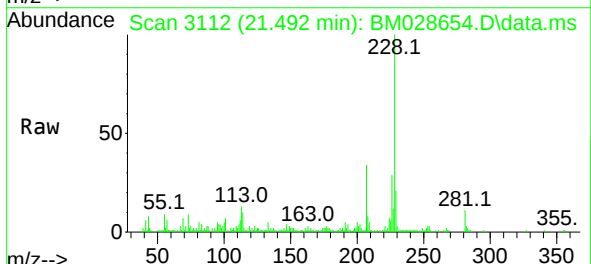
Instrument :
BNA_M
ClientSampleId :
OU421-005-0002

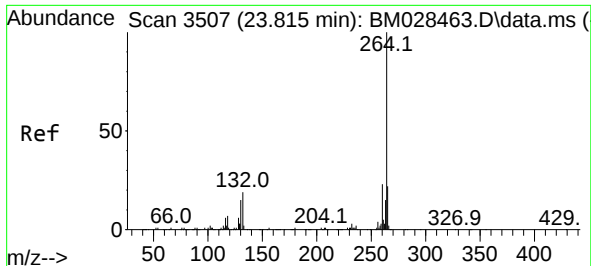
Tgt Ion:228 Resp: 39079
Ion Ratio Lower Upper
228 100
226 28.6 21.1 31.7
229 20.4 15.7 23.5



#83
Chrysene
Concen: 6.55 ng
RT: 21.492 min Scan# 3112
Delta R.T. -0.012 min
Lab File: BM028654.D
Acq: 04 Feb 2021 15:03

Tgt Ion:228 Resp: 48453
Ion Ratio Lower Upper
228 100
226 29.0 23.4 35.0
229 21.1 15.7 23.5

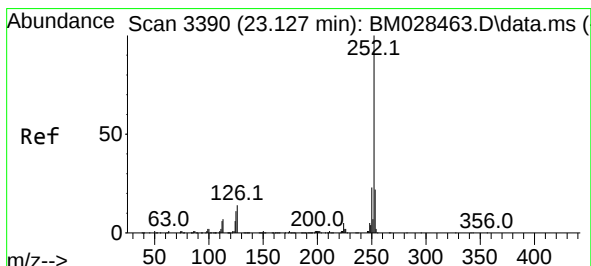
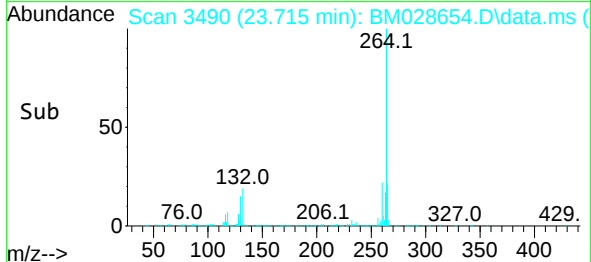
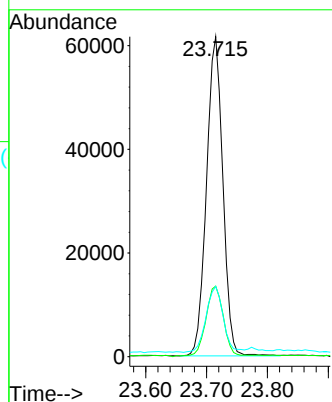
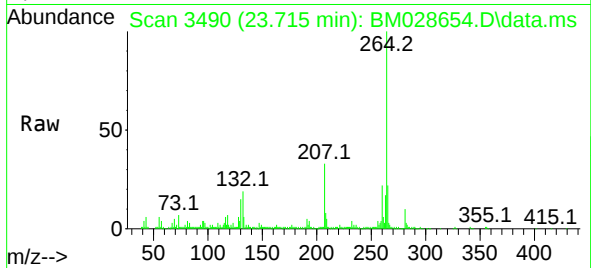




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.715 min Scan# 3490
Delta R.T. -0.012 min
Lab File: BM028654.D
Acq: 04 Feb 2021 15:03

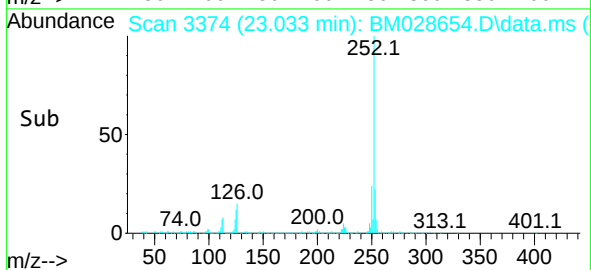
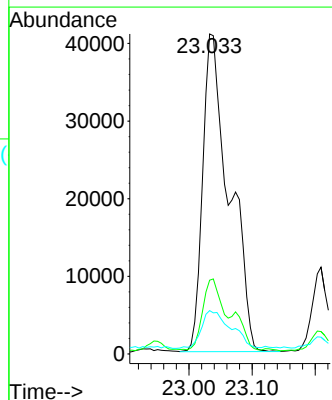
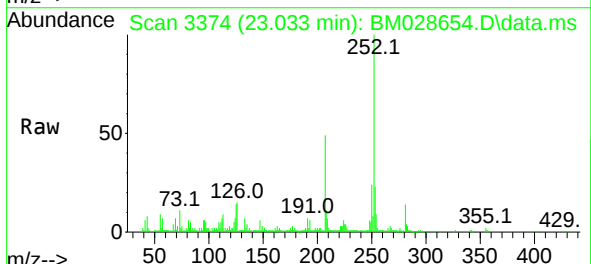
Instrument :
BNA_M
ClientSampleId :
OU421-005-0002

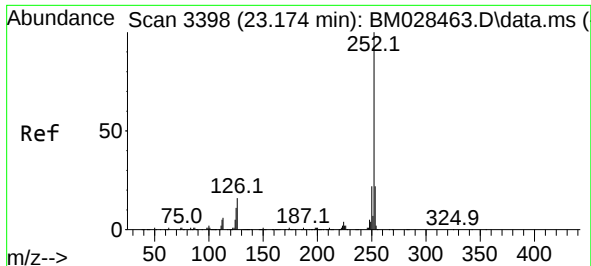
Tgt Ion:264 Resp: 114846
Ion Ratio Lower Upper
264 100
260 22.0 19.0 28.4
265 21.9 17.7 26.5



#88
Benzo(b)fluoranthene
Concen: 15.34 ng
RT: 23.033 min Scan# 3374
Delta R.T. -0.018 min
Lab File: BM028654.D
Acq: 04 Feb 2021 15:03

Tgt Ion:252 Resp: 119631
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 13.6 5.7 8.5#

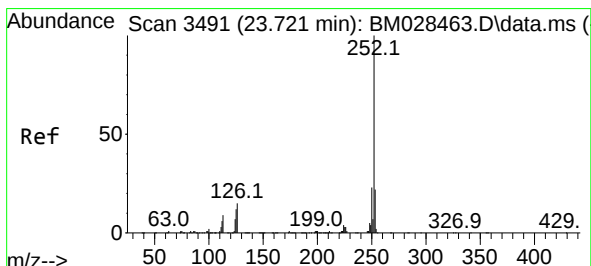
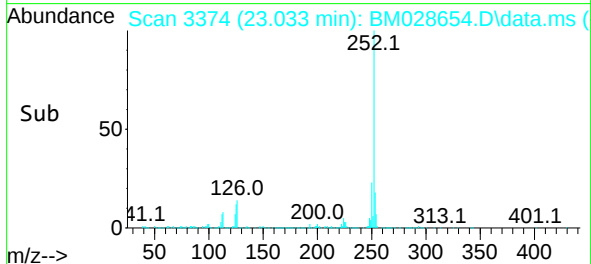
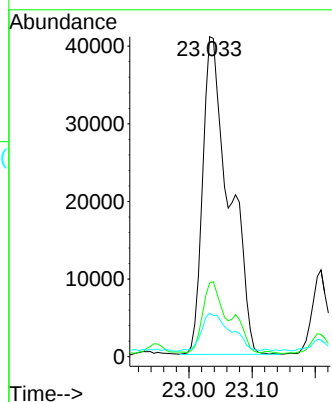
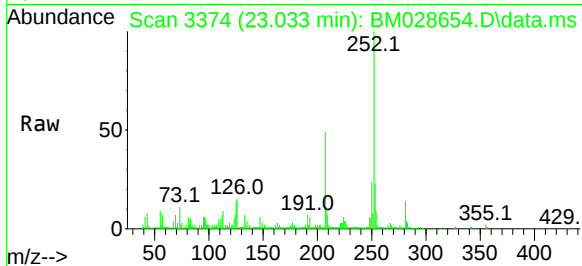




#89
Benzo(k)fluoranthene
Concen: 15.71 ng
RT: 23.033 min Scan# 3374
Delta R.T. -0.059 min
Lab File: BM028654.D
Acq: 04 Feb 2021 15:03

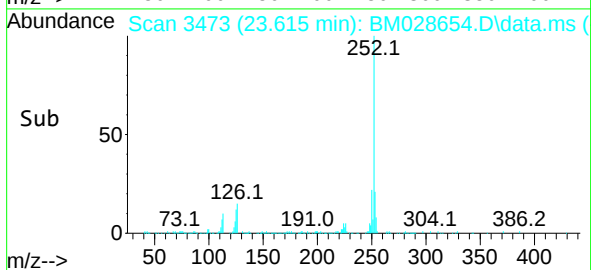
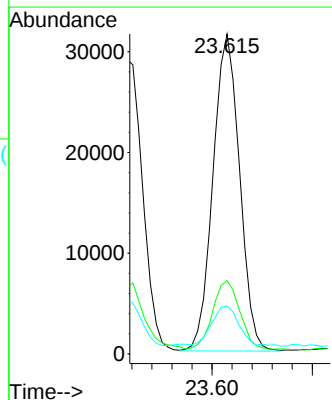
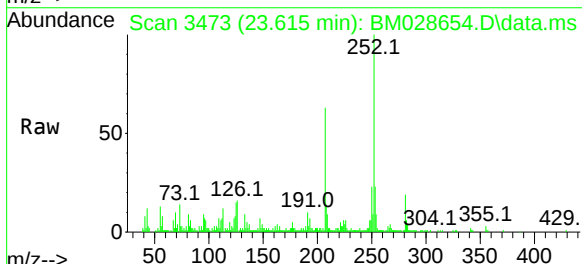
Instrument :
BNA_M
ClientSampleId :
OU421-005-0002

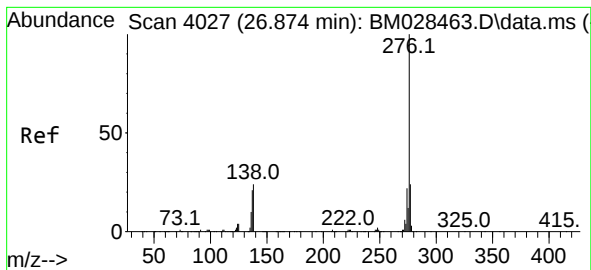
Tgt Ion:252 Resp: 119631
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 13.6 5.6 8.4#



#90
Benzo(a)pyrene
Concen: 8.02 ng
RT: 23.615 min Scan# 3473
Delta R.T. -0.018 min
Lab File: BM028654.D
Acq: 04 Feb 2021 15:03

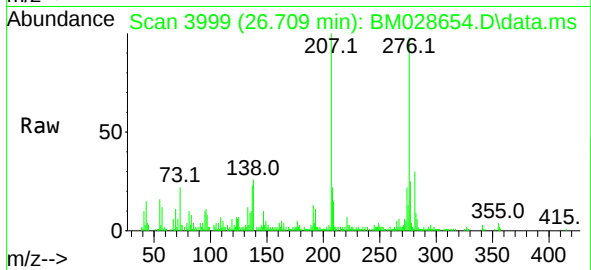
Tgt Ion:252 Resp: 57927
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 15.0 6.6 9.8#





#92
 Benzo(g,h,i)perylene
 Concen: 8.65 ng
 RT: 26.709 min Scan# 3999
 Delta R.T. -0.024 min
 Lab File: BM028654.D
 Acq: 04 Feb 2021 15:03

Instrument :
 BNA_M
 ClientSampleId :
 OU421-005-0002



Tgt Ion: 276 Resp: 60258

Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.6	28.0
138	26.5	12.2	18.2#

