

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012221\
 Data File : BM028524.D
 Acq On : 22 Jan 2021 18:41
 Operator : CG/JU
 Sample : M1193-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OR-02-012121

Quant Time: Jan 22 22:21:54 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)

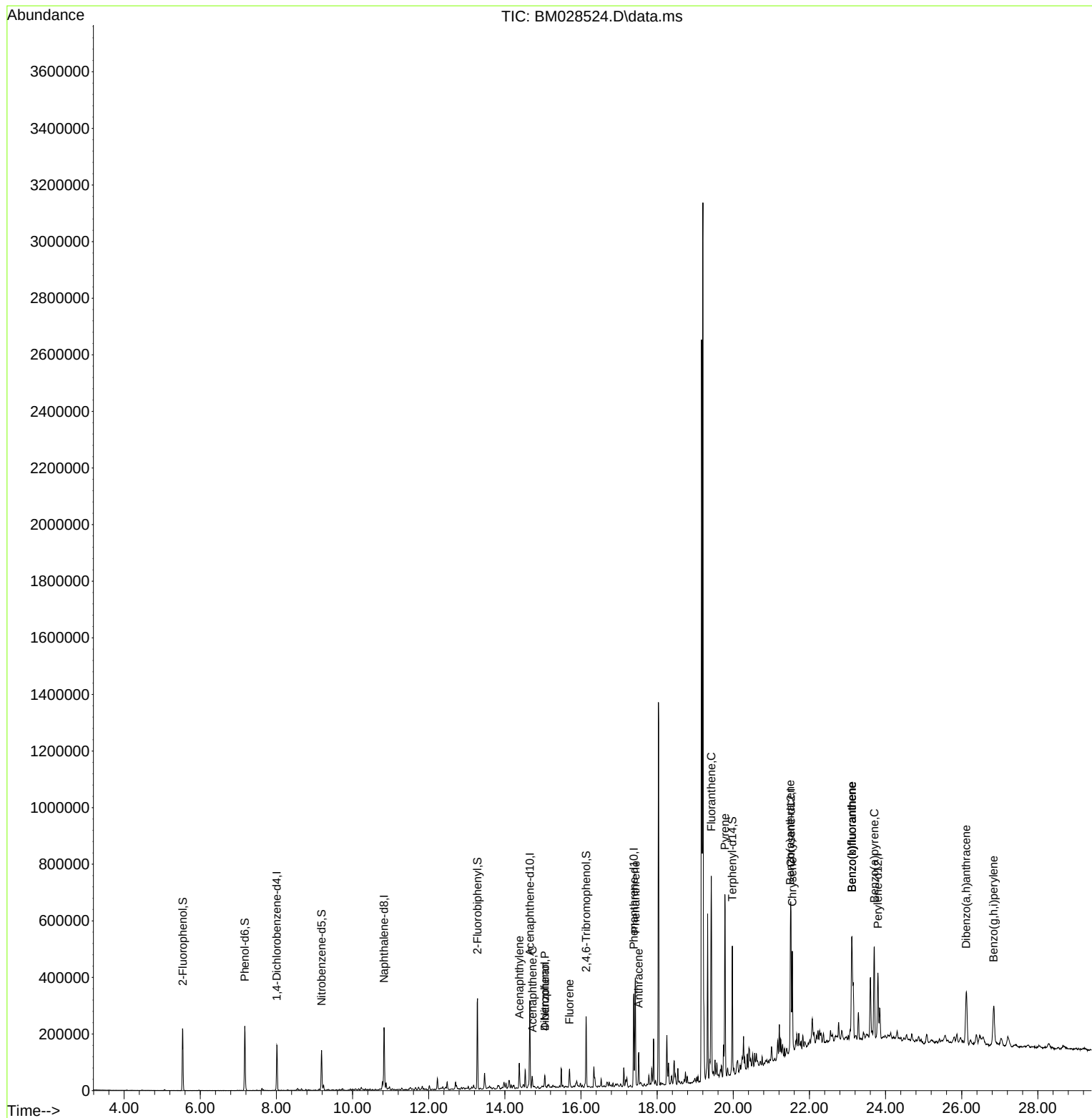
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.010	152	43065	20.00	ng	0.00
21) Naphthalene-d8	10.827	136	173410	20.00	ng	# 0.00
39) Acenaphthene-d10	14.657	164	97100	20.00	ng	0.00
64) Phenanthrene-d10	17.386	188	183787	20.00	ng	0.00
76) Chrysene-d12	21.515	240	148887	20.00	ng	# 0.00
86) Perylene-d12	23.797	264	156985	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.540	112	91762	33.66	ng	0.00
7) Phenol-d6	7.169	99	118670	31.97	ng	-0.01
23) Nitrobenzene-d5	9.186	82	73506	20.10	ng	-0.01
42) 2,4,6-Tribromophenol	16.133	330	39742	30.89	ng	-0.01
45) 2-Fluorobiphenyl	13.280	172	160424	20.73	ng	0.00
79) Terphenyl-d14	19.974	244	174822	21.20	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	14.380	152	60937	6.06	ng	100
52) Acenaphthene	14.721	154	14477	2.32	ng	96
55) Dibenzofuran	15.051	168	19730	2.06	ng	98
56) 4-Nitrophenol	15.051	139	7485	4.97	ng	# 1
58) Fluorene	15.698	166	29600	3.77	ng	97
71) Phenanthrene	17.427	178	212732	18.82	ng	99
72) Anthracene	17.515	178	72484	6.64	ng	99
75) Fluoranthene	19.421	202	361512	28.48	ng	95
78) Pyrene	19.780	202	366048	34.29	ng	99
81) Benzo(a)anthracene	21.497	228	203026	19.75	ng	98
83) Chrysene	21.550	228	182984	18.44	ng	98
88) Benzo(b)fluoranthene	23.115	252	409109	38.39	ng	# 95
89) Benzo(k)fluoranthene	23.115	252	409109	39.31	ng	# 95
90) Benzo(a)pyrene	23.703	252	220699	22.35	ng	# 94
91) Dibenzo(a,h)anthracene	26.115	278	43677	4.51	ng	# 87
92) Benzo(g,h,i)perylene	26.838	276	161671	16.99	ng	# 91

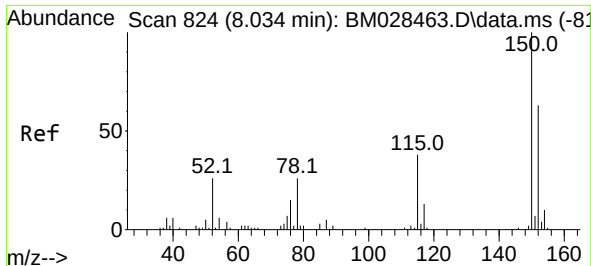
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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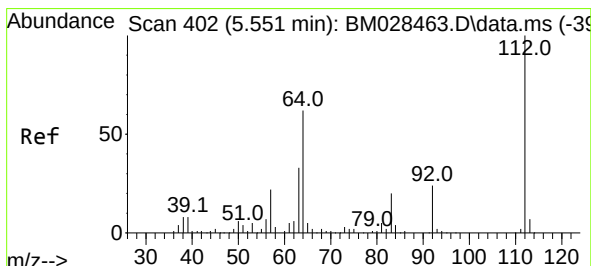
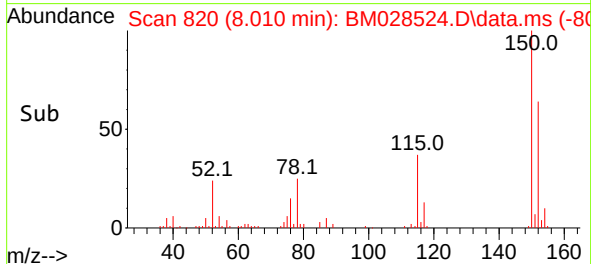
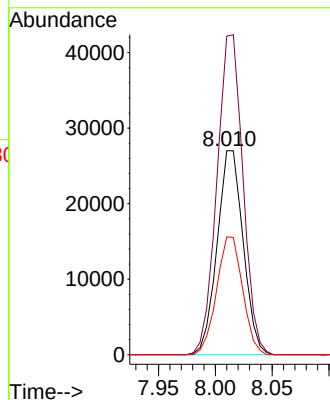
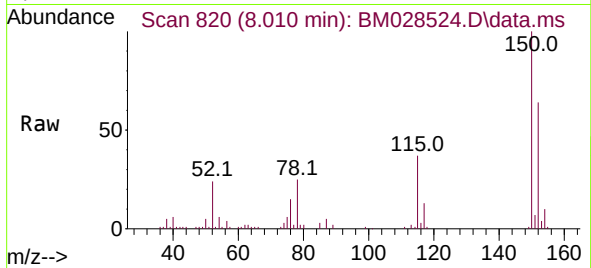




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.010 min Scan# 820
Delta R.T. -0.006 min
Lab File: BM028524.D
Acq: 22 Jan 2021 18:41

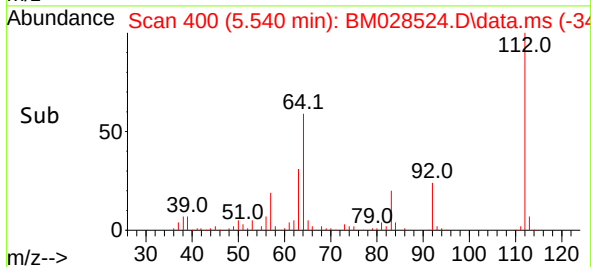
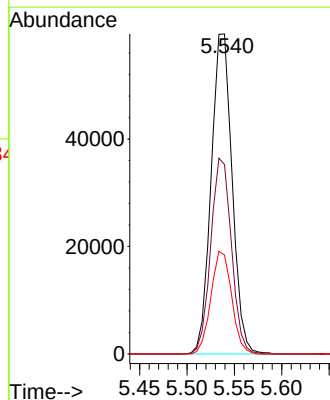
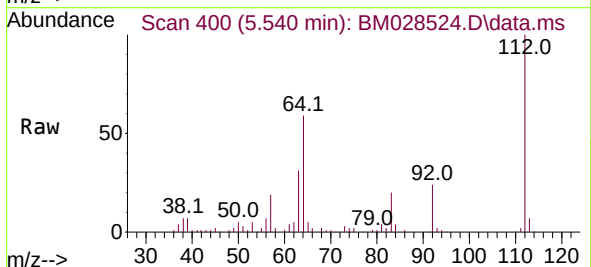
Instrument :
BNA_M
ClientSampleId :
OR-02-012121

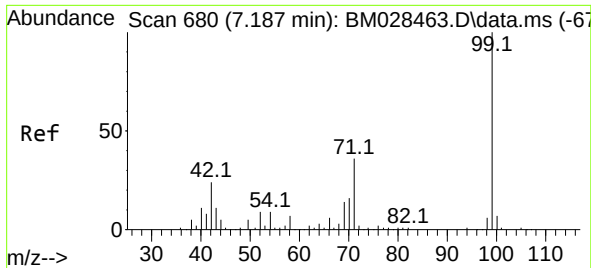
Tgt Ion:152 Resp: 43065
Ion Ratio Lower Upper
152 100
150 156.1 120.6 181.0
115 57.7 47.2 70.8



#5
2-Fluorophenol
Concen: 33.66 ng
RT: 5.540 min Scan# 400
Delta R.T. -0.000 min
Lab File: BM028524.D
Acq: 22 Jan 2021 18:41

Tgt Ion:112 Resp: 91762
Ion Ratio Lower Upper
112 100
64 59.2 50.6 76.0
63 30.9 31.0 46.6#

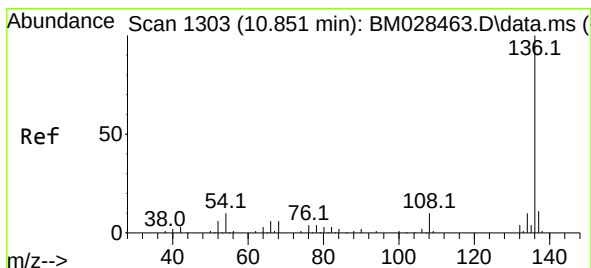
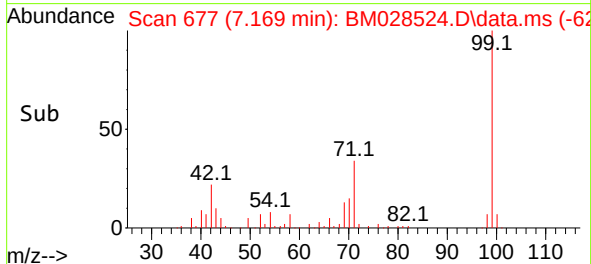
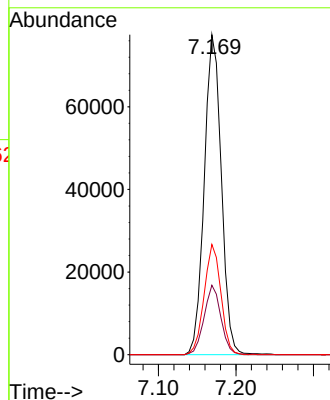
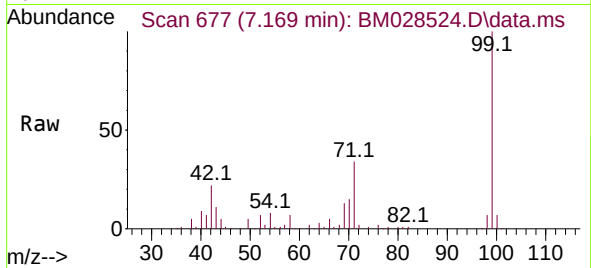




#7
Phenol-d6
Concen: 31.97 ng
RT: 7.169 min Scan# 677
Delta R.T. -0.012 min
Lab File: BM028524.D
Acq: 22 Jan 2021 18:41

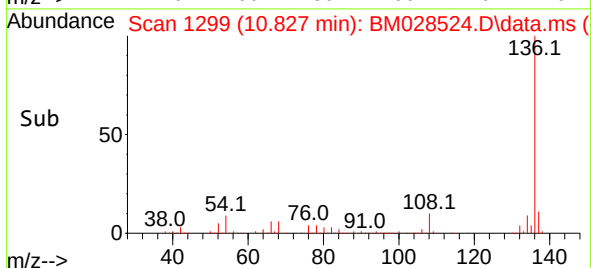
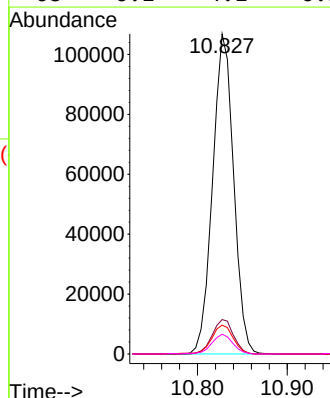
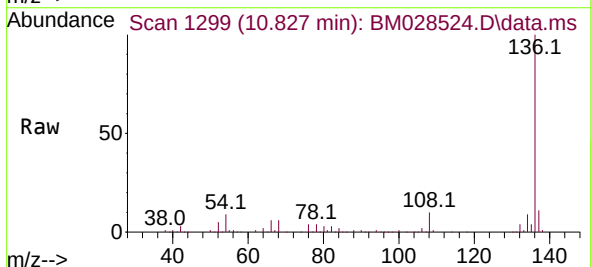
Instrument :
BNA_M
ClientSampleId :
OR-02-012121

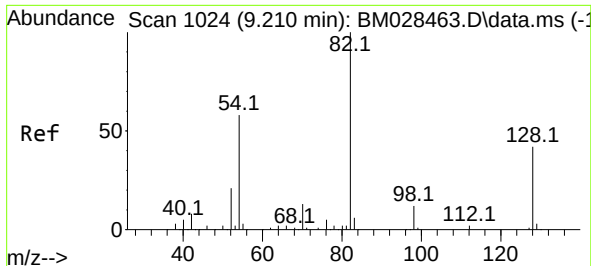
Tgt Ion: 99 Resp: 118670
Ion Ratio Lower Upper
99 100
42 21.7 13.5 20.3#
71 34.5 39.4 59.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.827 min Scan# 1299
Delta R.T. -0.006 min
Lab File: BM028524.D
Acq: 22 Jan 2021 18:41

Tgt Ion: 136 Resp: 173410
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 9.0 4.6 7.0#
68 6.1 4.1 6.1#

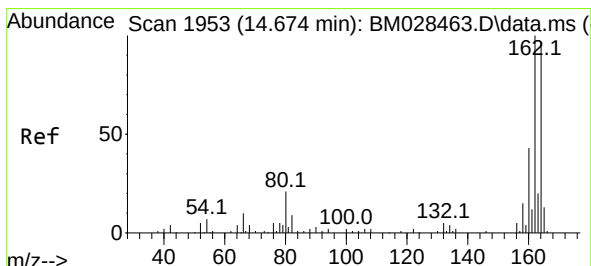
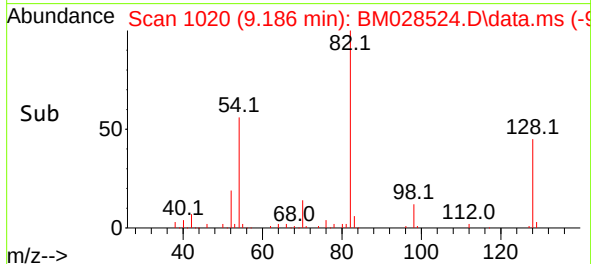
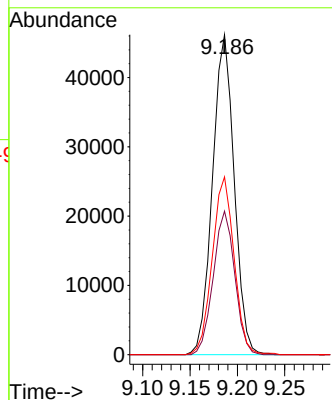
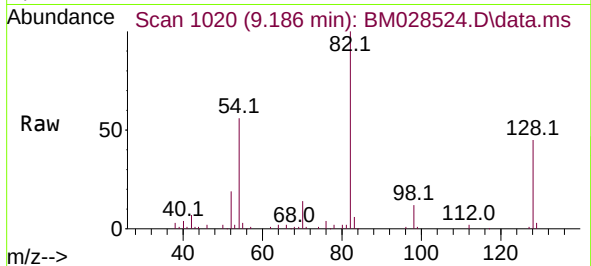




#23
Nitrobenzene-d5
Concen: 20.10 ng
RT: 9.186 min Scan# 1020
Delta R.T. -0.012 min
Lab File: BM028524.D
Acq: 22 Jan 2021 18:41

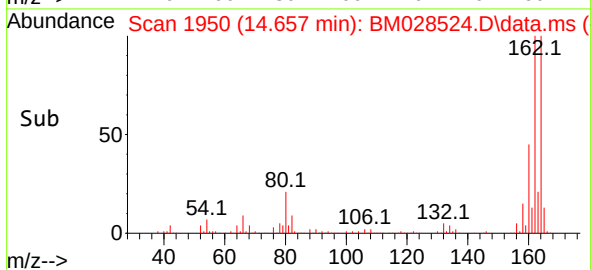
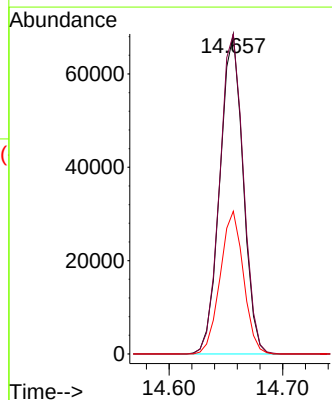
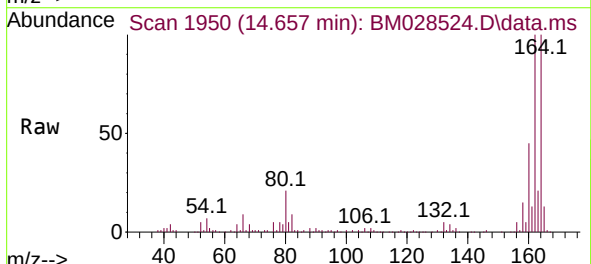
Instrument :
BNA_M
ClientSampleId :
OR-02-012121

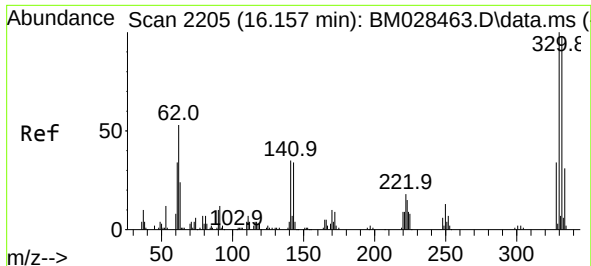
Tgt Ion: 82 Resp: 73506
Ion Ratio Lower Upper
82 100
128 44.8 27.4 41.0#
54 55.5 31.4 47.0#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.657 min Scan# 1950
Delta R.T. -0.006 min
Lab File: BM028524.D
Acq: 22 Jan 2021 18:41

Tgt Ion:164 Resp: 97100
Ion Ratio Lower Upper
164 100
162 100.1 80.4 120.6
160 44.7 35.9 53.9

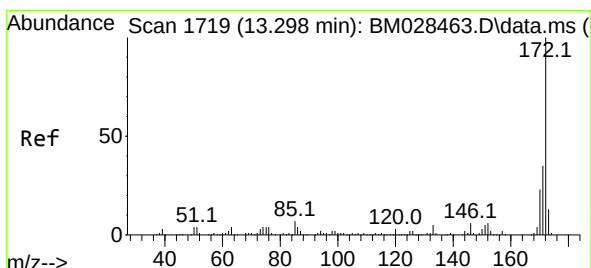
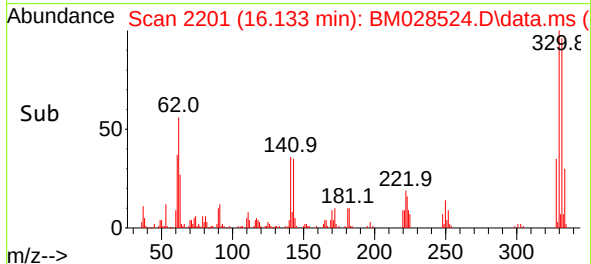
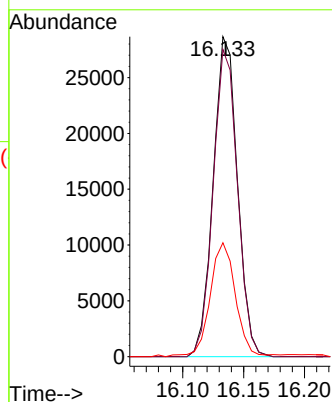
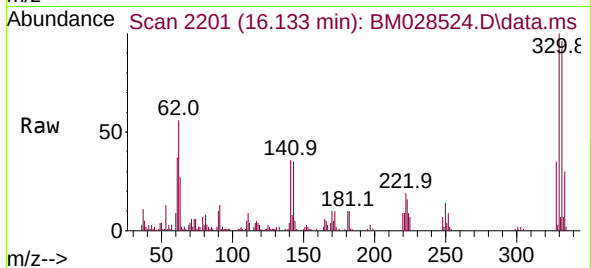




#42
2,4,6-Tribromophenol
Concen: 30.89 ng
RT: 16.133 min Scan# 2201
Delta R.T. -0.012 min
Lab File: BM028524.D
Acq: 22 Jan 2021 18:41

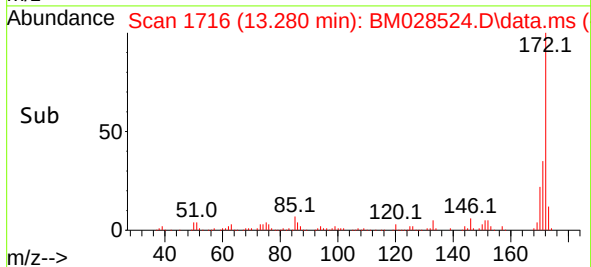
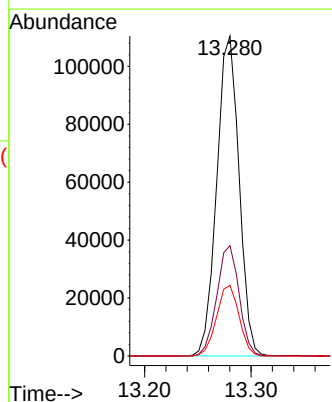
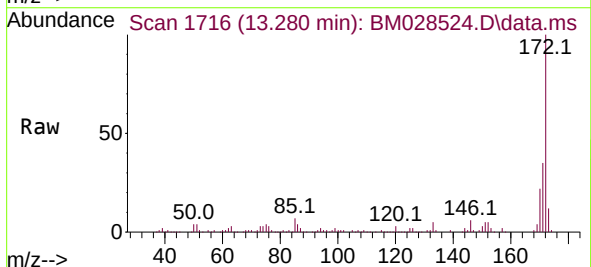
Instrument :
BNA_M
ClientSampled :
OR-02-012121

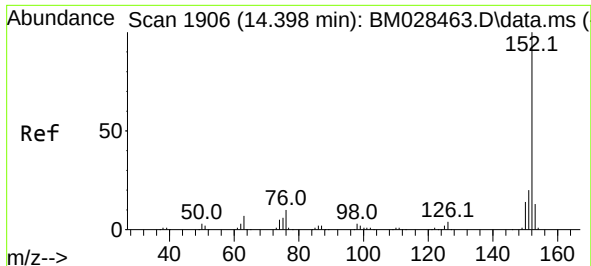
Tgt Ion:330 Resp: 39742
Ion Ratio Lower Upper
330 100
332 96.0 77.8 116.8
141 37.6 28.4 42.6



#45
2-Fluorobiphenyl
Concen: 20.73 ng
RT: 13.280 min Scan# 1716
Delta R.T. -0.006 min
Lab File: BM028524.D
Acq: 22 Jan 2021 18:41

Tgt Ion:172 Resp: 160424
Ion Ratio Lower Upper
172 100
171 34.5 27.8 41.8
170 22.0 18.6 27.8

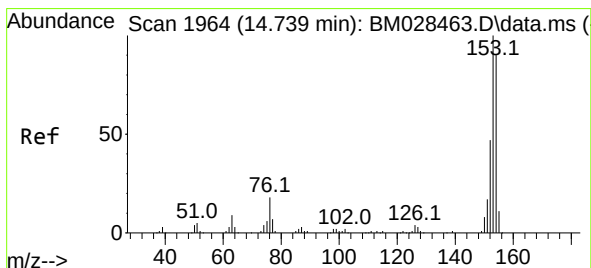
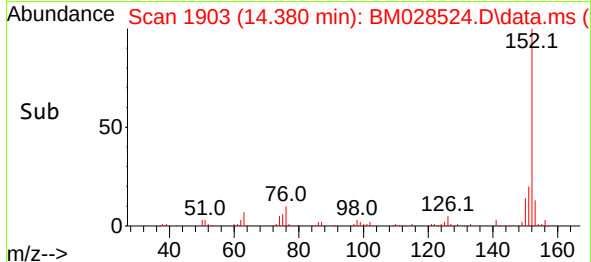
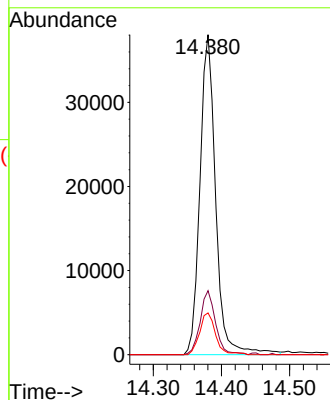
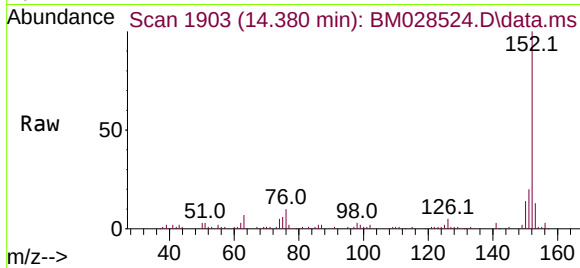




#49
Acenaphthylene
Concen: 6.06 ng
RT: 14.380 min Scan# 1903
Delta R.T. -0.006 min
Lab File: BM028524.D
Acq: 22 Jan 2021 18:41

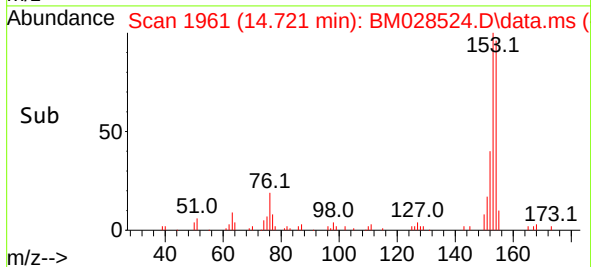
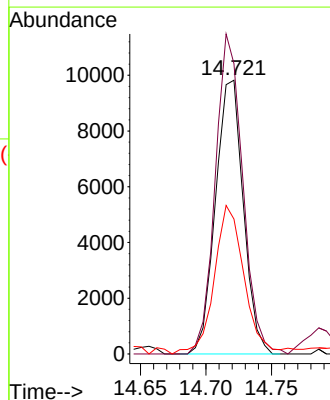
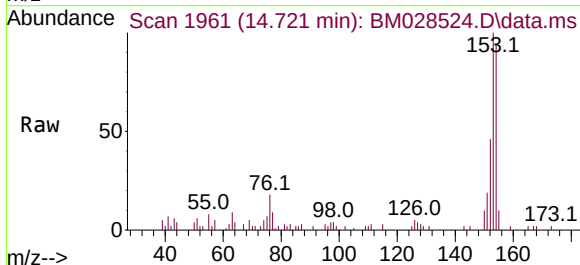
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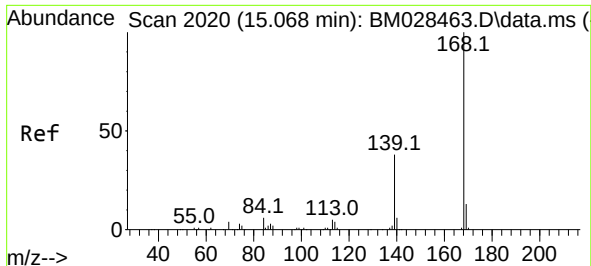
Tgt Ion:152 Resp: 60937
Ion Ratio Lower Upper
152 100
151 20.0 15.8 23.6
153 13.1 10.4 15.6



#52
Acenaphthene
Concen: 2.32 ng
RT: 14.721 min Scan# 1961
Delta R.T. -0.006 min
Lab File: BM028524.D
Acq: 22 Jan 2021 18:41

Tgt Ion:154 Resp: 14477
Ion Ratio Lower Upper
154 100
153 106.0 88.3 132.5
152 49.3 41.4 62.2

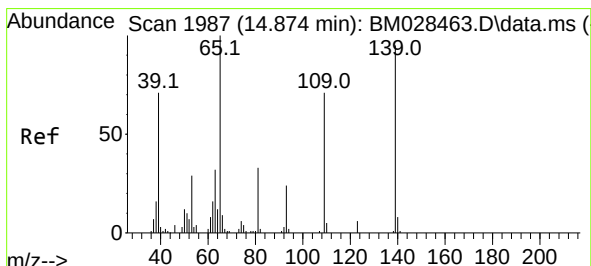
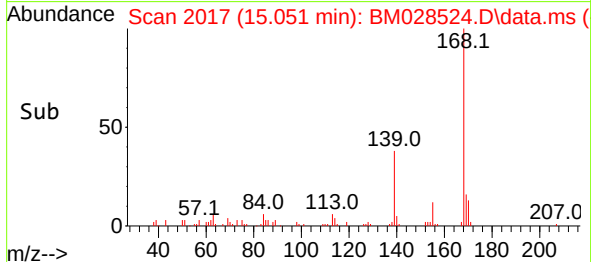
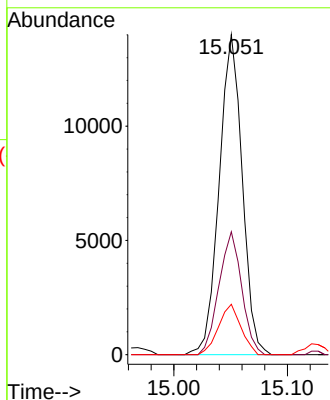
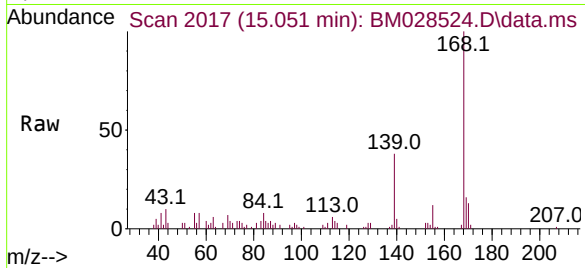




#55
Dibenzenofuran
Concen: 2.06 ng
RT: 15.051 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BM028524.D
Acq: 22 Jan 2021 18:41

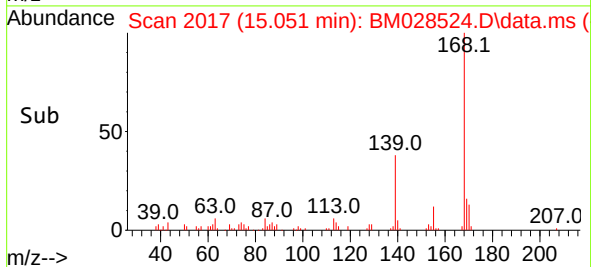
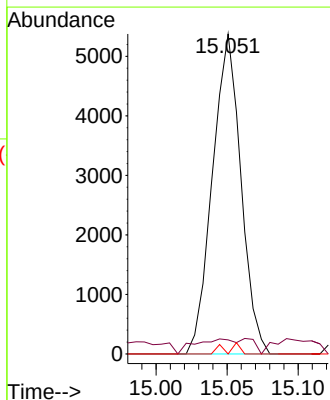
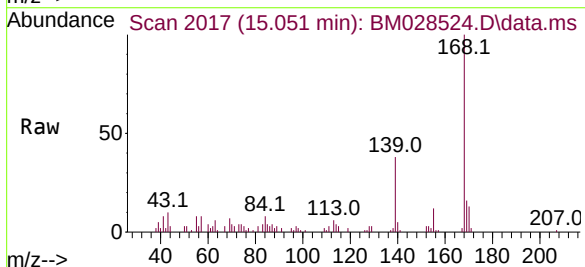
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BNA_M
ClientSampleId :
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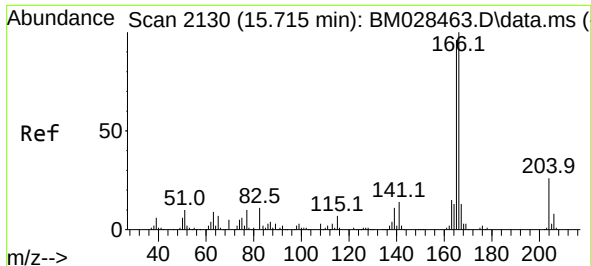
Tgt Ion:168 Resp: 19730
Ion Ratio Lower Upper
168 100
139 38.4 30.2 45.4
169 15.7 10.6 16.0



#56
4-Nitrophenol
Concen: 4.97 ng
RT: 15.051 min Scan# 2017
Delta R.T. 0.182 min
Lab File: BM028524.D
Acq: 22 Jan 2021 18:41

Tgt Ion:139 Resp: 7485
Ion Ratio Lower Upper
139 100
109 4.4 77.0 117.0#
65 0.0 103.4 143.4#

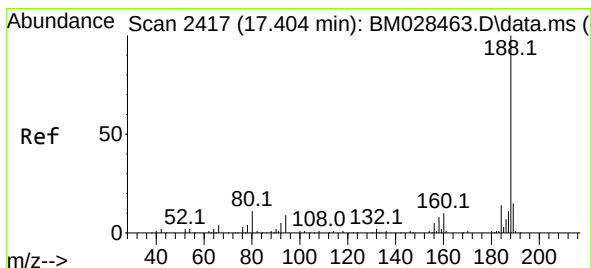
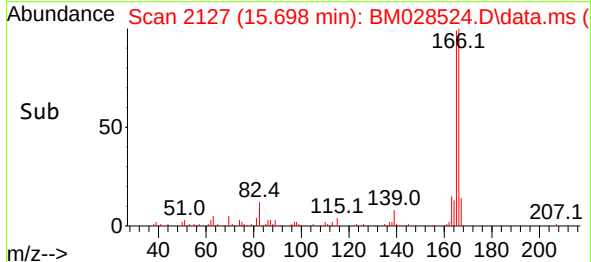
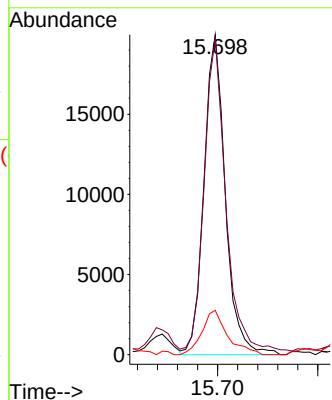
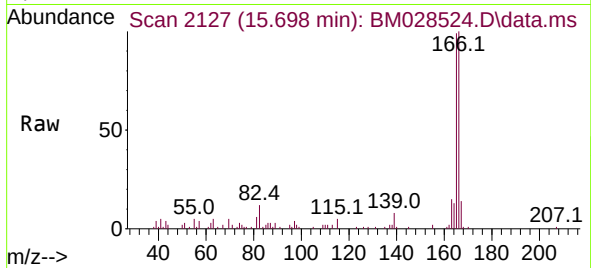




#58
Fluorene
Concen: 3.77 ng
RT: 15.698 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BM028524.D
Acq: 22 Jan 2021 18:41

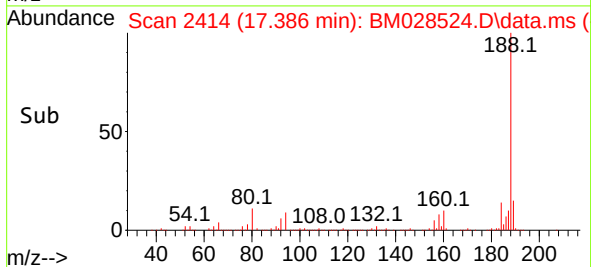
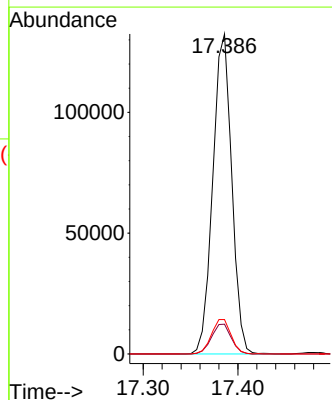
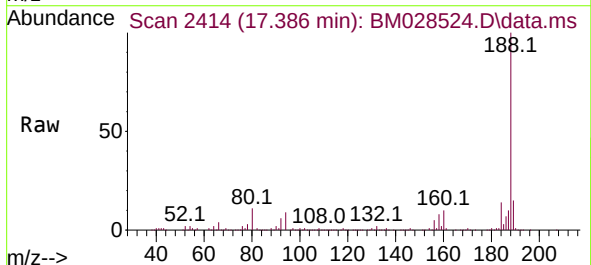
Instrument :
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ClientSampleId :
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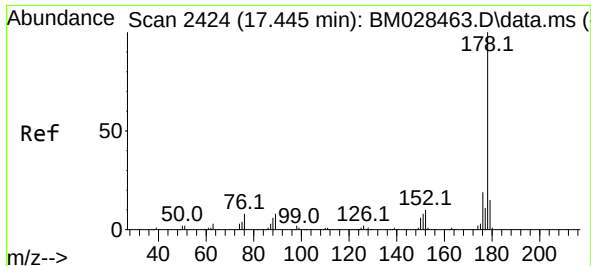
Tgt Ion:166 Resp: 29600
Ion Ratio Lower Upper
166 100
165 98.8 76.2 114.2
167 13.8 10.7 16.1



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.386 min Scan# 2414
Delta R.T. -0.000 min
Lab File: BM028524.D
Acq: 22 Jan 2021 18:41

Tgt Ion:188 Resp: 183787
Ion Ratio Lower Upper
188 100
94 9.3 6.2 9.4
80 10.8 7.5 11.3

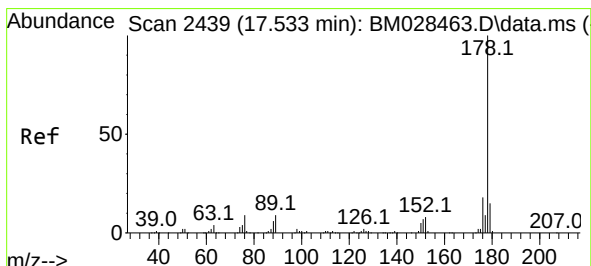
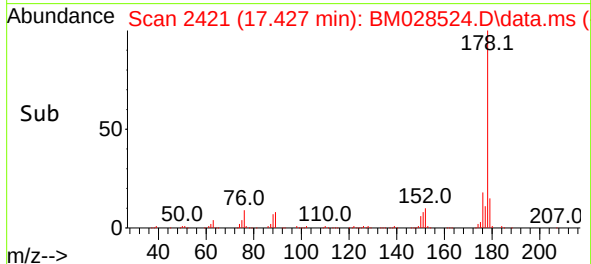
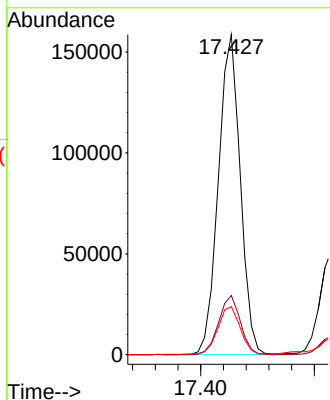
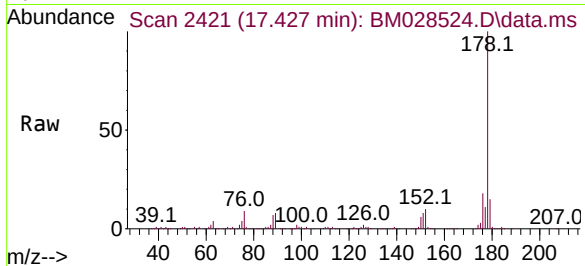




#71
Phenanthrene
Concen: 18.82 ng
RT: 17.427 min Scan# 2421
Delta R.T. -0.000 min
Lab File: BM028524.D
Acq: 22 Jan 2021 18:41

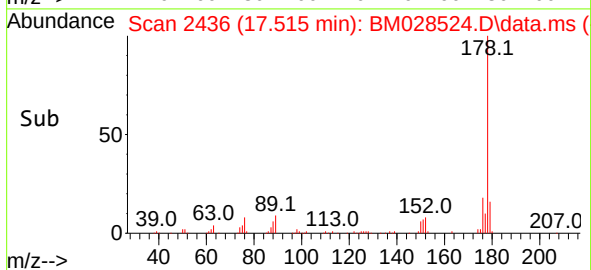
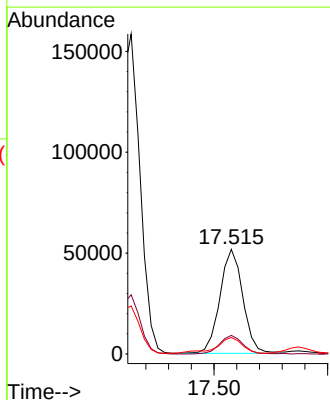
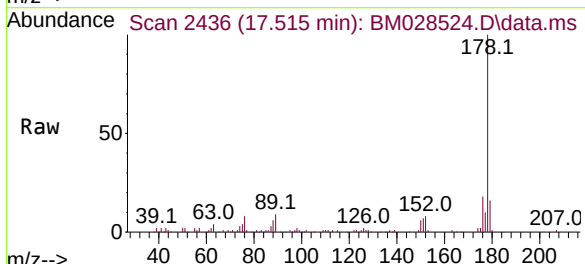
Instrument :
BNA_M
ClientSampleId :
OR-02-012121

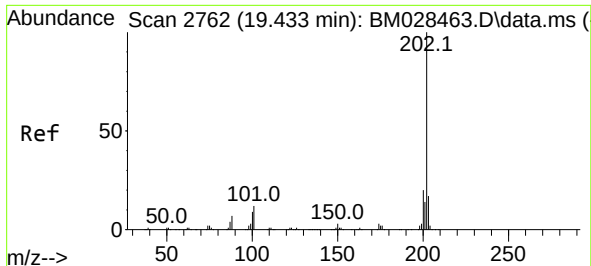
Tgt Ion:178 Resp: 212732
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.6
179 15.0 12.2 18.4



#72
Anthracene
Concen: 6.64 ng
RT: 17.515 min Scan# 2436
Delta R.T. -0.006 min
Lab File: BM028524.D
Acq: 22 Jan 2021 18:41

Tgt Ion:178 Resp: 72484
Ion Ratio Lower Upper
178 100
176 17.8 15.0 22.4
179 15.8 12.5 18.7

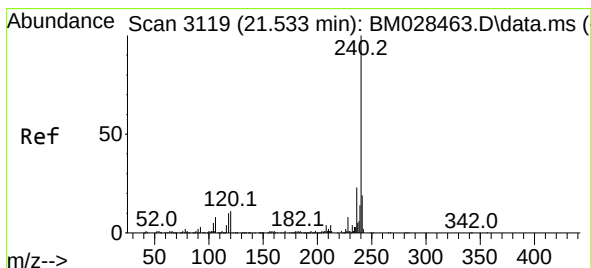
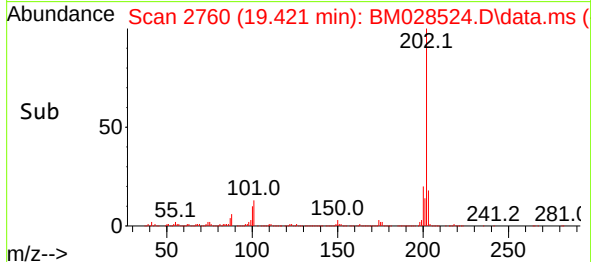
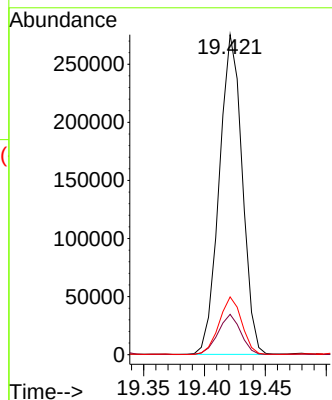
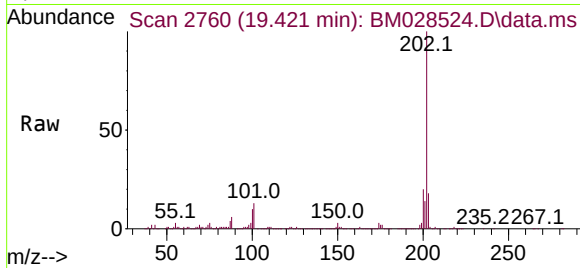




#75
Fluoranthene
Concen: 28.48 ng
RT: 19.421 min Scan# 2760
Delta R.T. -0.000 min
Lab File: BM028524.D
Acq: 22 Jan 2021 18:41

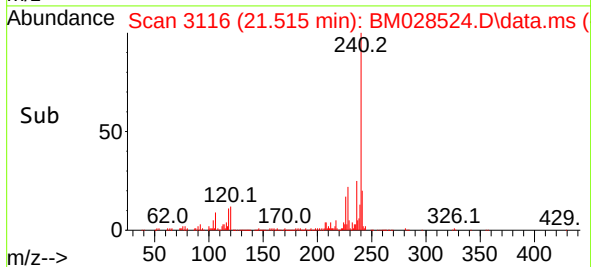
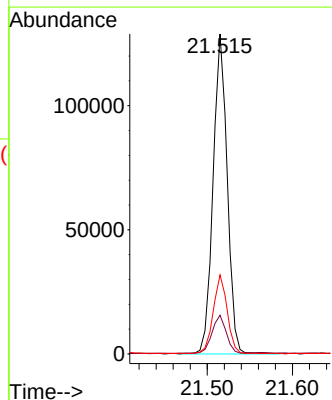
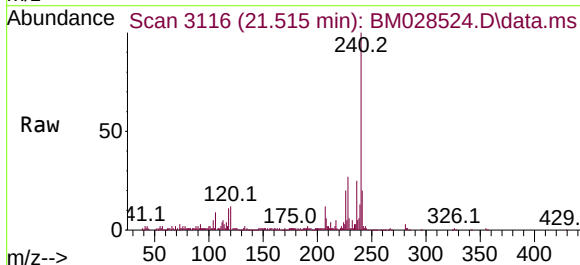
Instrument :
BNA_M
ClientSampleId :
OR-02-012121

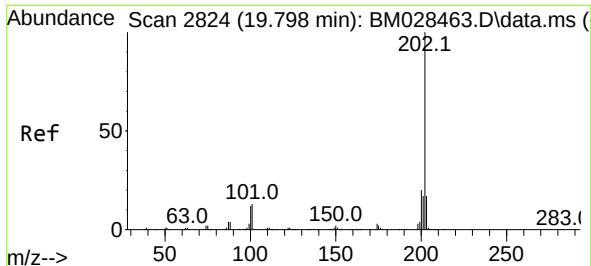
Tgt Ion:202 Resp: 361512
Ion Ratio Lower Upper
202 100
101 12.6 0.0 28.5
203 18.0 0.0 37.3



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.515 min Scan# 3116
Delta R.T. -0.000 min
Lab File: BM028524.D
Acq: 22 Jan 2021 18:41

Tgt Ion:240 Resp: 148887
Ion Ratio Lower Upper
240 100
120 12.1 6.4 9.6#
236 24.7 20.1 30.1

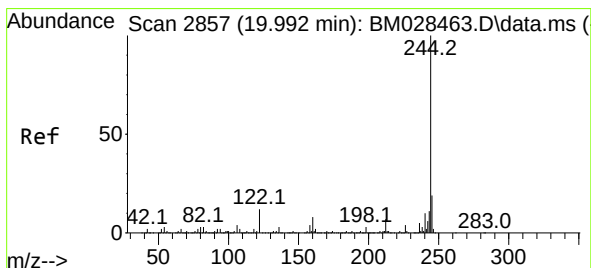
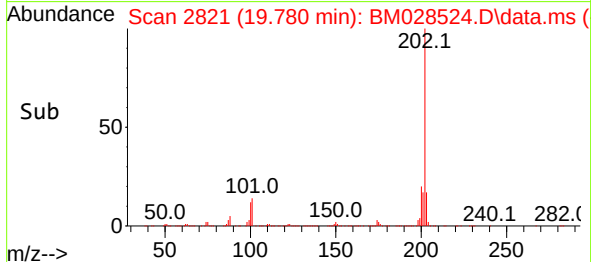
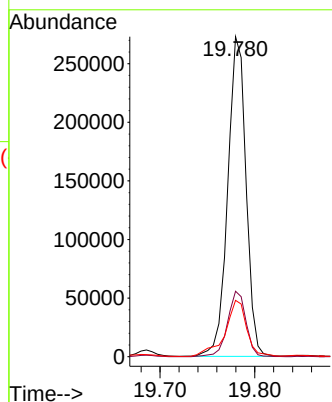
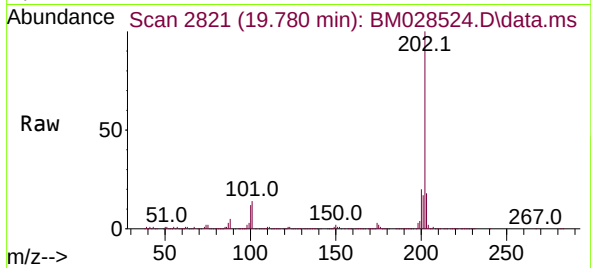




#78
Pyrene
Concen: 34.29 ng
RT: 19.780 min Scan# 2821
Delta R.T. -0.000 min
Lab File: BM028524.D
Acq: 22 Jan 2021 18:41

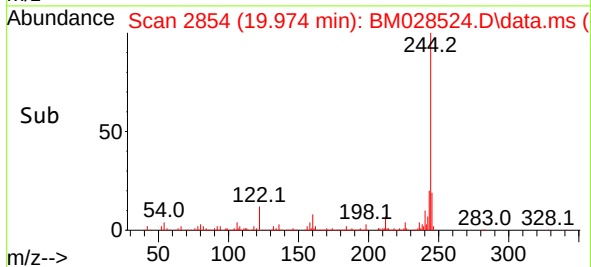
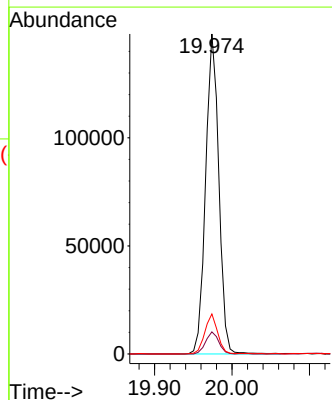
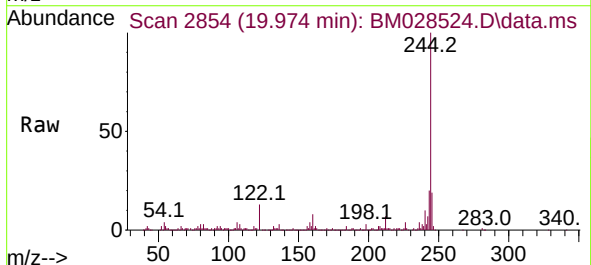
Instrument :
BNA_M
ClientSampleId :
OR-02-012121

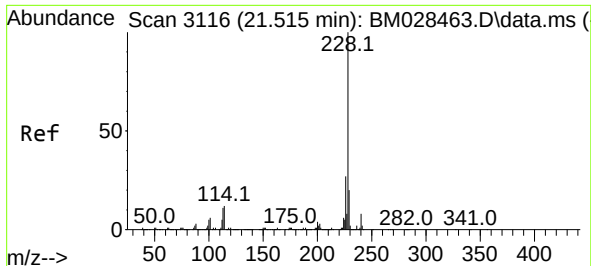
Tgt Ion:	202	Resp:	366048
Ion Ratio	Lower	Upper	
202	100		
200	20.5	16.6	24.8
203	17.6	13.8	20.6



#79
Terphenyl-d14
Concen: 21.20 ng
RT: 19.974 min Scan# 2854
Delta R.T. -0.006 min
Lab File: BM028524.D
Acq: 22 Jan 2021 18:41

Tgt Ion:	244	Resp:	174822
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.8	8.8
122	12.5	6.5	9.7#

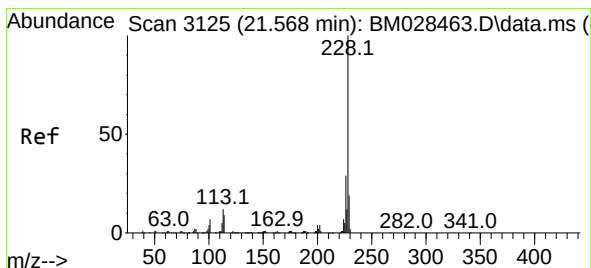
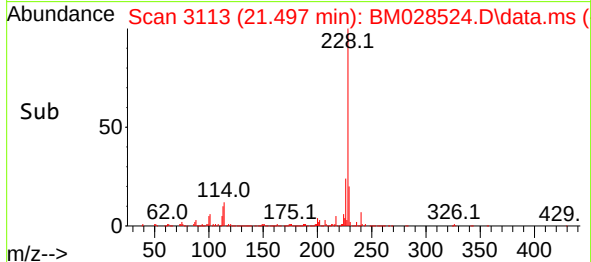
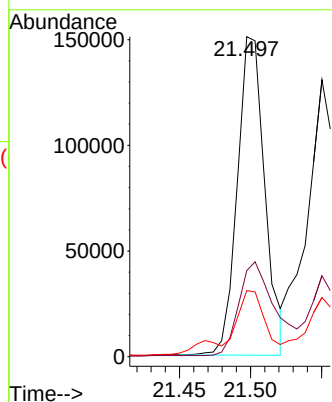
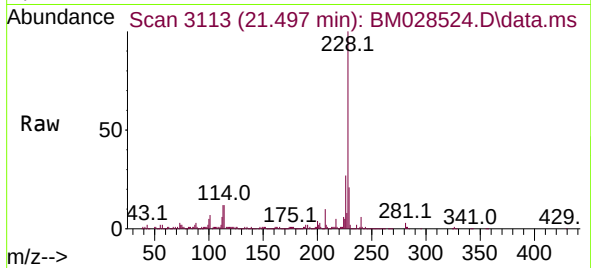




#81
Benzo(a)anthracene
Concen: 19.75 ng
RT: 21.497 min Scan# 3113
Delta R.T. -0.006 min
Lab File: BM028524.D
Acq: 22 Jan 2021 18:41

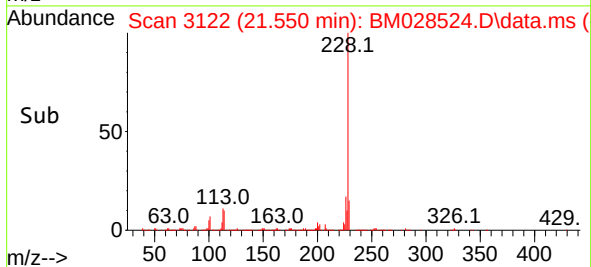
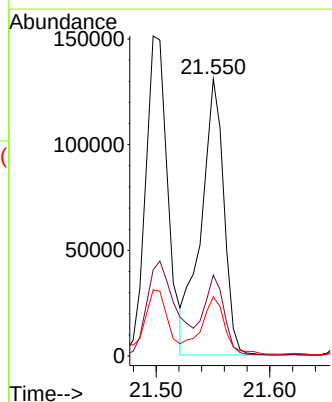
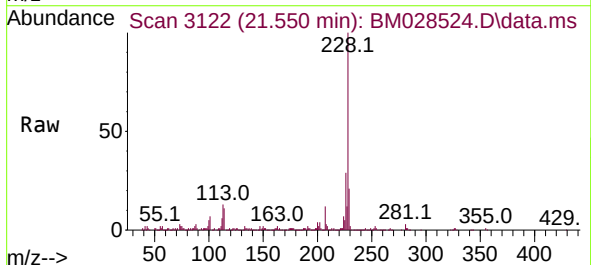
Instrument :
BNA_M
ClientSampled :
OR-02-012121

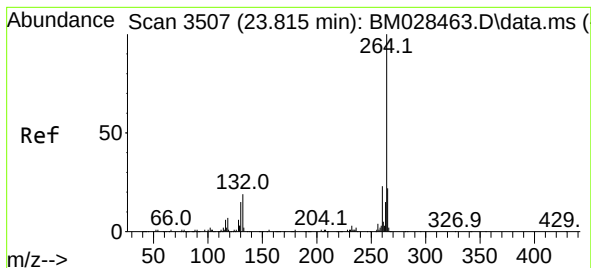
Tgt Ion:228 Resp: 203026
Ion Ratio Lower Upper
228 100
226 26.9 21.1 31.7
229 20.7 15.7 23.5



#83
Chrysene
Concen: 18.44 ng
RT: 21.550 min Scan# 3122
Delta R.T. -0.000 min
Lab File: BM028524.D
Acq: 22 Jan 2021 18:41

Tgt Ion:228 Resp: 182984
Ion Ratio Lower Upper
228 100
226 29.2 23.4 35.0
229 21.4 15.7 23.5

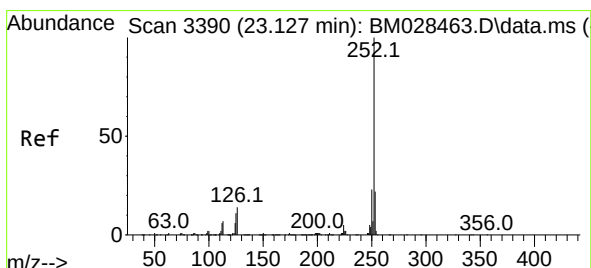
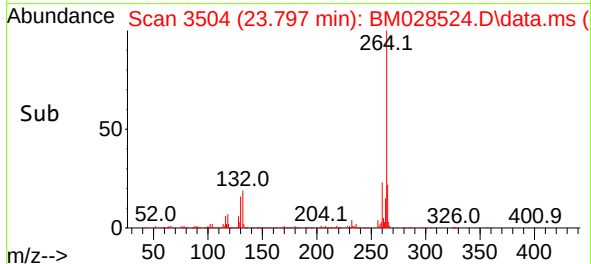
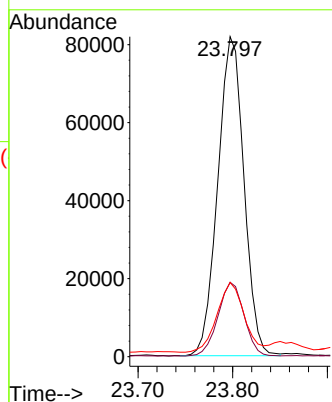
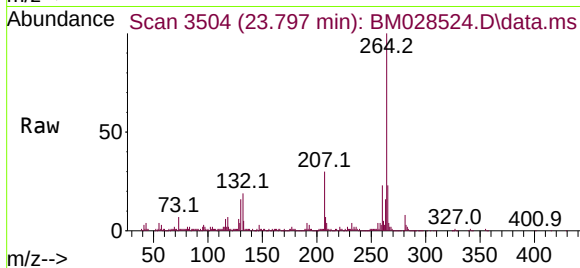




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.797 min Scan# 3504
 Delta R.T. -0.000 min
 Lab File: BM028524.D
 Acq: 22 Jan 2021 18:41

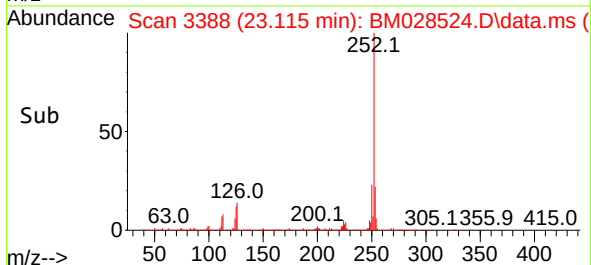
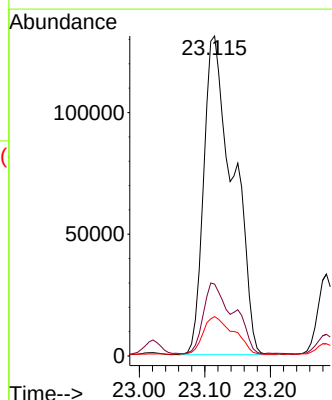
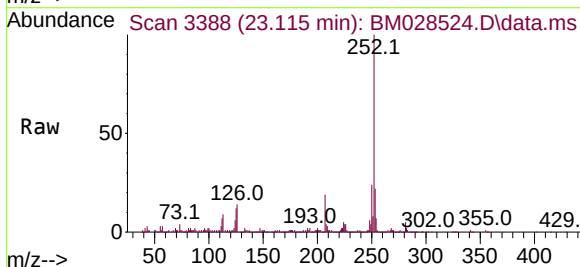
Instrument :
 BNA_M
 ClientSampleId :
 OR-02-012121

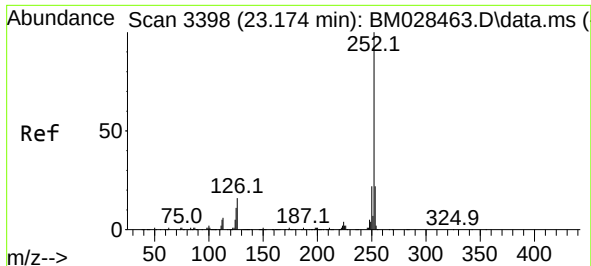
Tgt Ion:	264	Resp:	156985
Ion Ratio	Lower	Upper	
264	100		
260	23.2	19.0	28.4
265	23.2	17.7	26.5



#88
 Benzo(b)fluoranthene
 Concen: 38.39 ng
 RT: 23.115 min Scan# 3388
 Delta R.T. 0.006 min
 Lab File: BM028524.D
 Acq: 22 Jan 2021 18:41

Tgt Ion:	252	Resp:	409109
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.4	26.0
125	12.3	5.7	8.5#





#89

Benzo(k)fluoranthene

Concen: 39.31 ng

RT: 23.115 min Scan# 3388

Delta R.T. -0.041 min

Lab File: BM028524.D

Acq: 22 Jan 2021 18:41

Tgt Ion:252 Resp: 409109

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.0

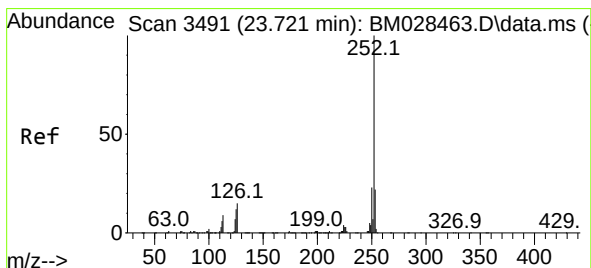
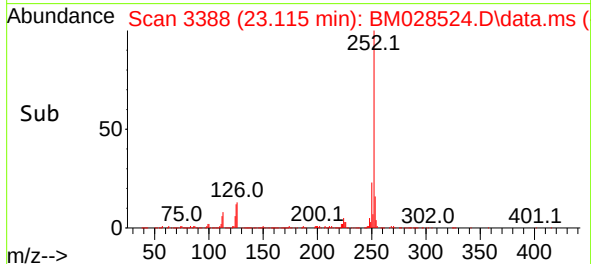
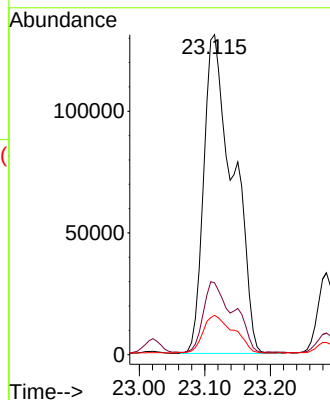
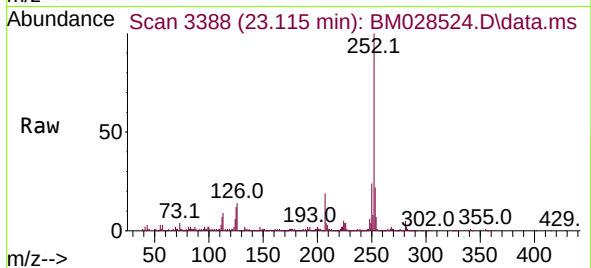
125 12.3 5.6 8.4#

Instrument :

BNA_M

ClientSampleId :

OR-02-012121



#90

Benzo(a)pyrene

Concen: 22.35 ng

RT: 23.703 min Scan# 3488

Delta R.T. 0.006 min

Lab File: BM028524.D

Acq: 22 Jan 2021 18:41

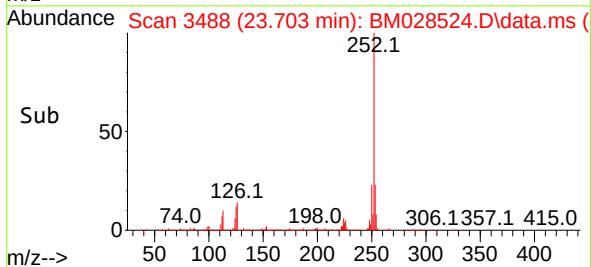
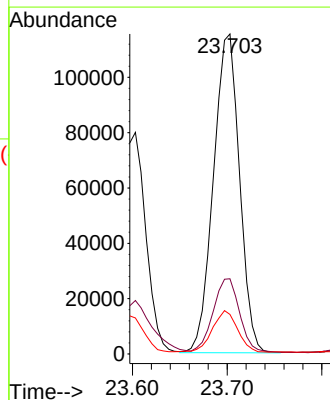
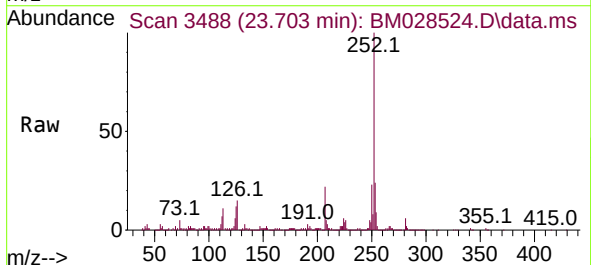
Tgt Ion:252 Resp: 220699

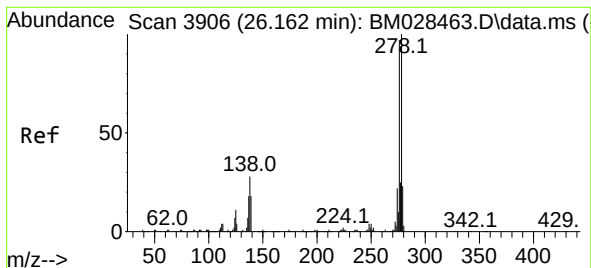
Ion Ratio Lower Upper

252 100

253 23.5 17.4 26.2

125 12.3 6.6 9.8#





#91

Dibenzo(a,h)anthracene

Concen: 4.51 ng

RT: 26.115 min Scan# 3898

Delta R.T. -0.018 min

Lab File: BM028524.D

Acq: 22 Jan 2021 18:41

Tgt Ion:278 Resp: 43677

Ion Ratio Lower Upper

278 100

139 0.0 9.0 13.6#

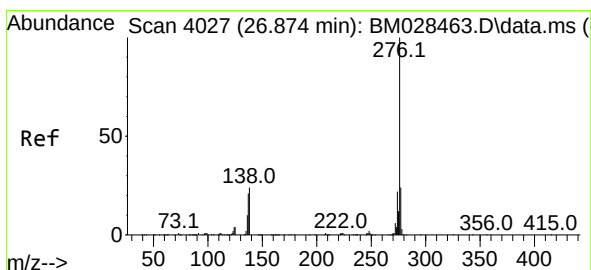
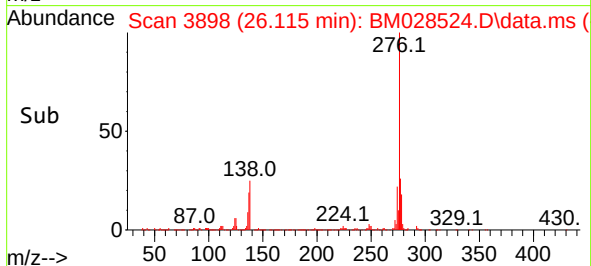
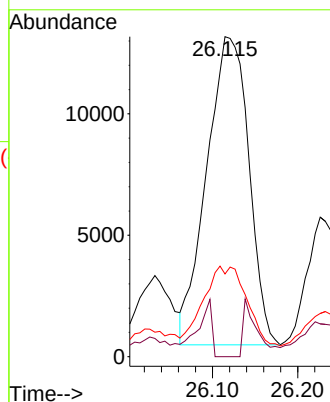
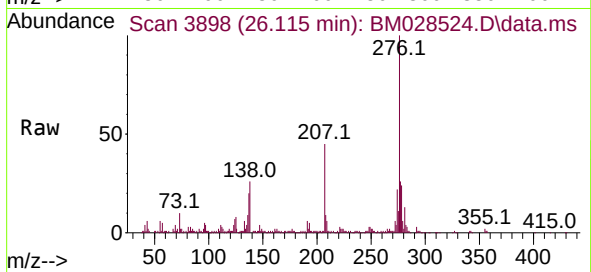
279 25.9 19.0 28.4

Instrument :

BNA_M

ClientSampled :

OR-02-012121



#92

Benzo(g,h,i)perylene

Concen: 16.99 ng

RT: 26.838 min Scan# 4021

Delta R.T. -0.000 min

Lab File: BM028524.D

Acq: 22 Jan 2021 18:41

Tgt Ion:276 Resp: 161671

Ion Ratio Lower Upper

276 100

277 22.7 18.6 28.0

138 23.6 12.2 18.2#

