

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012721\
 Data File : BM028552.D
 Acq On : 26 Jan 2021 21:58
 Operator : CG/JU
 Sample : M1234-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 HOLLAND-TUNNEL-TEST-PIT-5

Quant Time: Jan 27 03:26:57 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM012021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 27 03:11:35 2021
 Response via : Initial Calibration

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

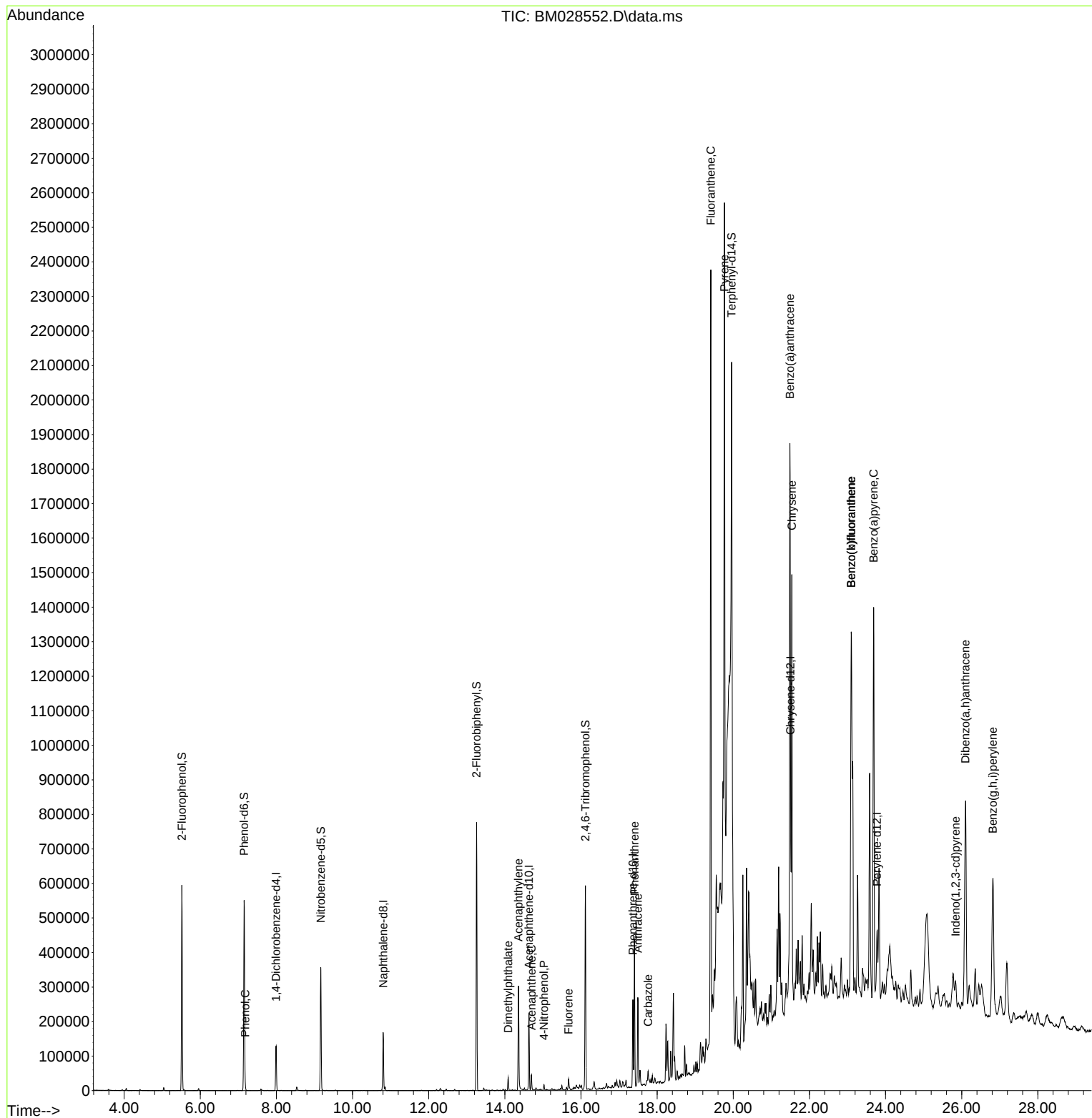
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.992	152	35212	20.00	ng	0.00
21) Naphthalene-d8	10.804	136	135523	20.00	ng	# 0.00
39) Acenaphthene-d10	14.633	164	71592	20.00	ng	0.00
64) Phenanthrene-d10	17.362	188	136117	20.00	ng	# 0.00
76) Chrysene-d12	21.503	240	130046	20.00	ng	# 0.00
86) Perylene-d12	23.774	264	137068	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	238997	107.22	ng	0.00
7) Phenol-d6	7.151	99	307956	101.47	ng	0.00
23) Nitrobenzene-d5	9.163	82	192203	67.27	ng	0.00
42) 2,4,6-Tribromophenol	16.115	330	99000	104.37	ng	0.00
45) 2-Fluorobiphenyl	13.257	172	375499	65.80	ng	0.00
79) Terphenyl-d14	19.956	244	362988	50.40	ng	0.00
Target Compounds						
						Qvalue
10) Phenol	7.181	94	6921	2.42	ng	92
49) Acenaphthylene	14.357	152	238380	32.17	ng	100
50) Dimethylphthalate	14.086	163	15103	2.57	ng	99
52) Acenaphthene	14.698	154	16825	3.66	ng	95
56) 4-Nitrophenol	15.027	139	2823	2.54	ng	# 1
58) Fluorene	15.674	166	15042	2.60	ng	94
71) Phenanthrene	17.404	178	239521	28.61	ng	99
72) Anthracene	17.492	178	160397	19.84	ng	99
73) Carbazole	17.762	167	23339	3.04	ng	98
75) Fluoranthene	19.409	202	1258291	133.84	ng	96
78) Pyrene	19.768	202	1077328	115.54	ng	97
81) Benzo(a)anthracene	21.486	228	776678	86.48	ng	95
83) Chrysene	21.539	228	603588	69.62	ng	97
87) Indeno(1,2,3-cd)pyrene	25.838	276	56472	5.53	ng	97
88) Benzo(b)fluoranthene	23.097	252	1037921	111.54	ng	# 94
89) Benzo(k)fluoranthene	23.097	252	1037921	114.23	ng	# 94
90) Benzo(a)pyrene	23.686	252	791623	91.81	ng	# 94
91) Dibenzo(a,h)anthracene	26.097	278	134864	15.96	ng	# 84
92) Benzo(g,h,i)perylene	26.821	276	471660	56.76	ng	# 90

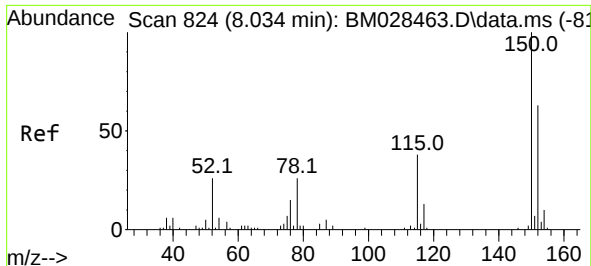
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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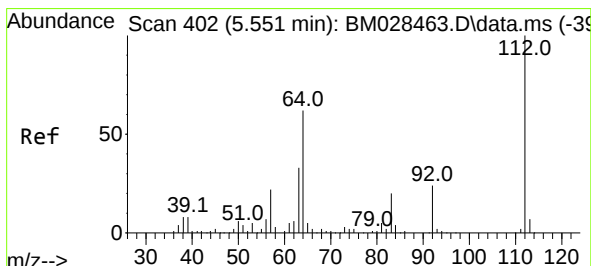
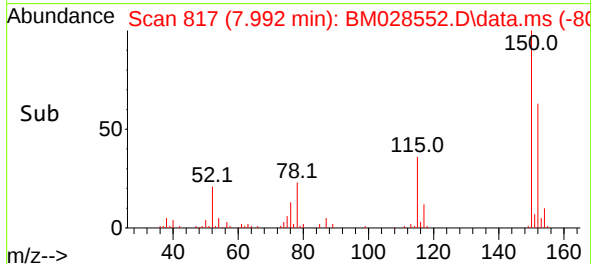
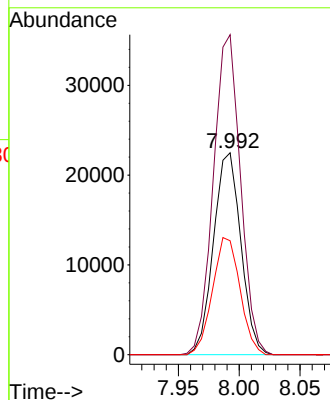
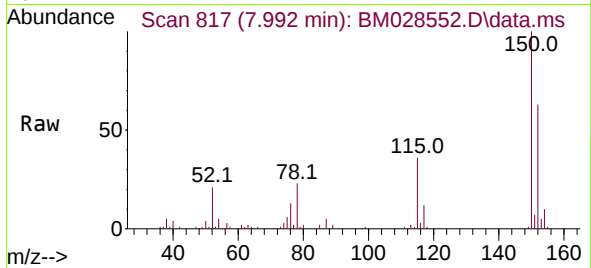




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.992 min Scan# 817
Delta R.T. -0.001 min
Lab File: BM028552.D
Acq: 26 Jan 2021 21:58

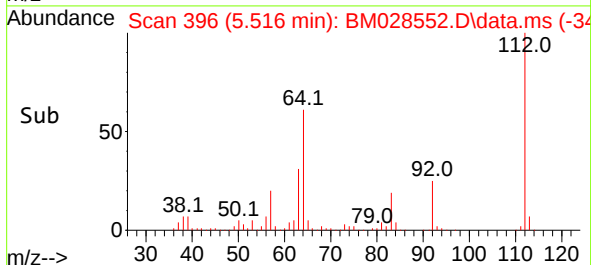
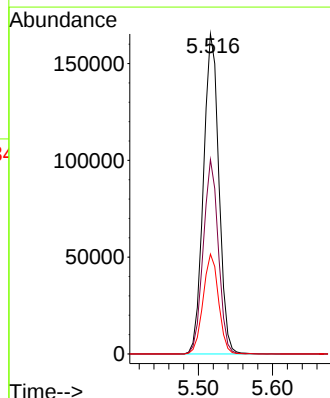
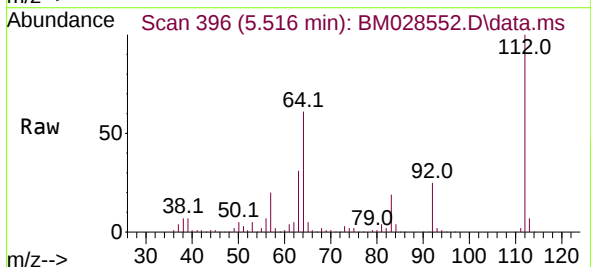
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ClientSampleId :
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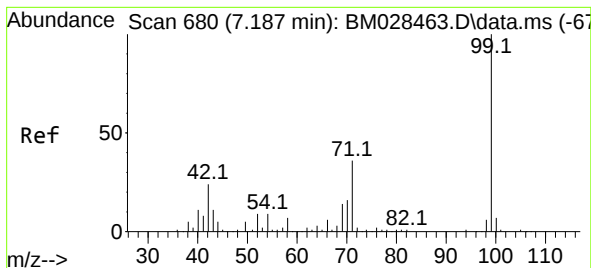
Tgt Ion:152 Resp: 35212
Ion Ratio Lower Upper
152 100
150 158.5 120.6 181.0
115 56.4 47.2 70.8



#5
2-Fluorophenol
Concen: 107.22 ng
RT: 5.516 min Scan# 396
Delta R.T. 0.006 min
Lab File: BM028552.D
Acq: 26 Jan 2021 21:58

Tgt Ion:112 Resp: 238997
Ion Ratio Lower Upper
112 100
64 60.7 50.6 76.0
63 31.2 31.0 46.6





#7

Phenol-d6

Concen: 101.47 ng

RT: 7.151 min Scan# 674

Delta R.T. -0.000 min

Lab File: BM028552.D

Acq: 26 Jan 2021 21:58

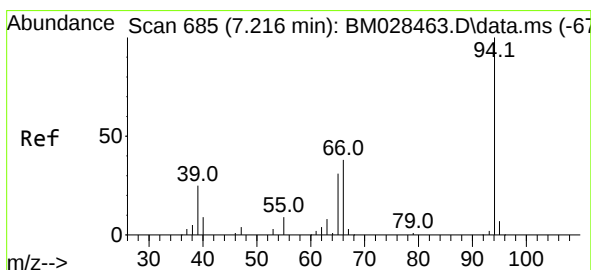
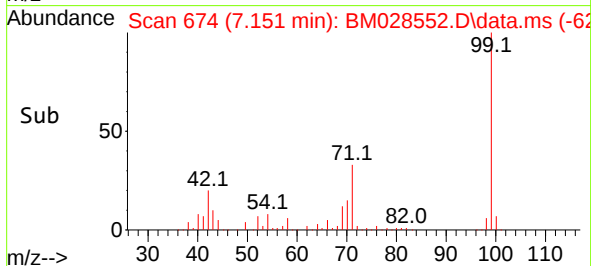
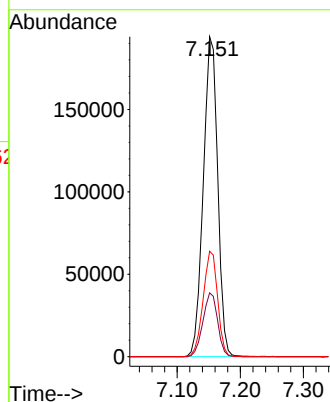
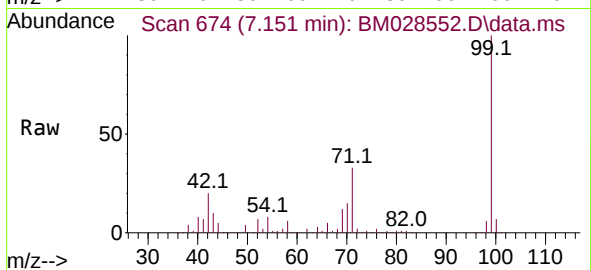
Tgt Ion: 99 Resp: 307956

Ion Ratio Lower Upper

99 100

42 20.0 13.5 20.3

71 33.0 39.4 59.0#



#10

Phenol

Concen: 2.42 ng

RT: 7.181 min Scan# 679

Delta R.T. 0.006 min

Lab File: BM028552.D

Acq: 26 Jan 2021 21:58

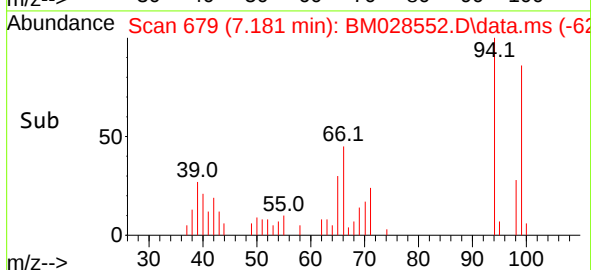
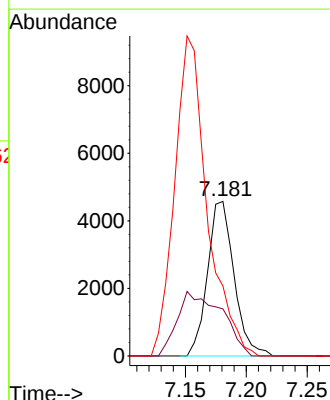
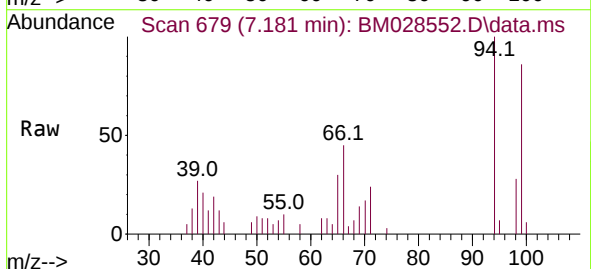
Tgt Ion: 94 Resp: 6921

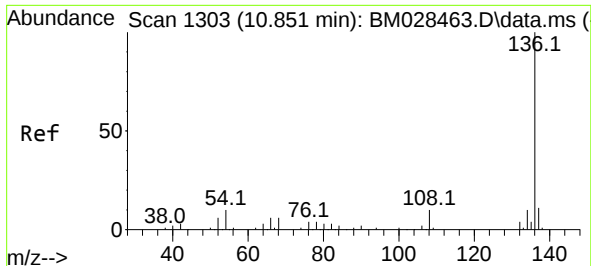
Ion Ratio Lower Upper

94 100

65 30.4 16.4 56.4

66 45.3 30.2 70.2

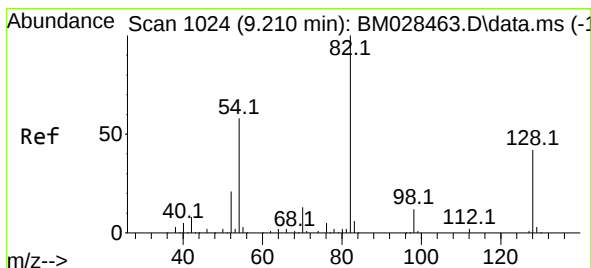
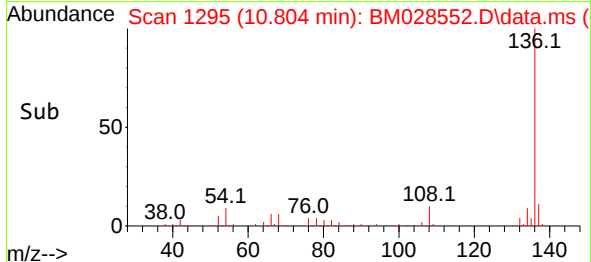
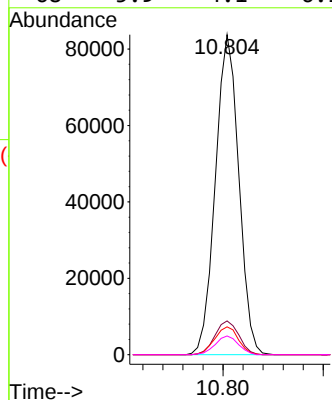
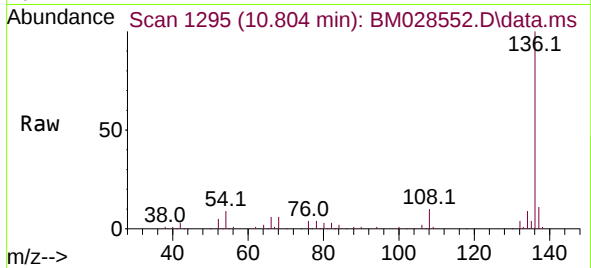




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.804 min Scan# 1295
Delta R.T. -0.000 min
Lab File: BM028552.D
Acq: 26 Jan 2021 21:58

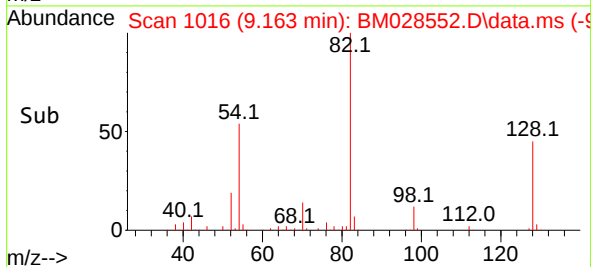
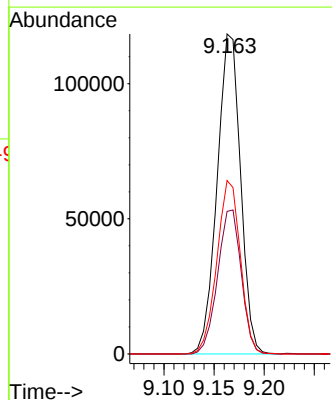
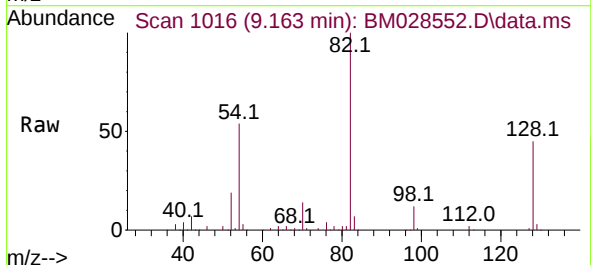
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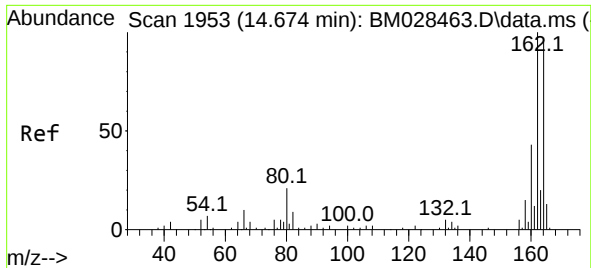
Tgt Ion:	136	Resp:	135523
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.6	12.8
54	8.7	4.6	7.0#
68	5.9	4.1	6.1



#23
Nitrobenzene-d5
Concen: 67.27 ng
RT: 9.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BM028552.D
Acq: 26 Jan 2021 21:58

Tgt Ion:	82	Resp:	192203
Ion Ratio	Lower	Upper	
82	100		
128	44.6	27.4	41.0#
54	54.2	31.4	47.0#

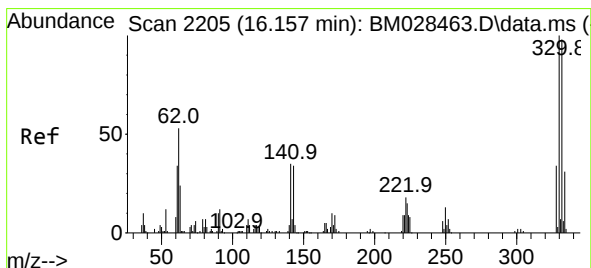
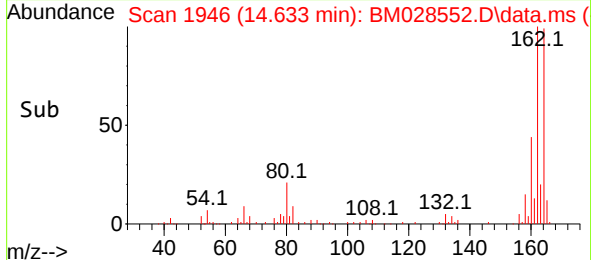
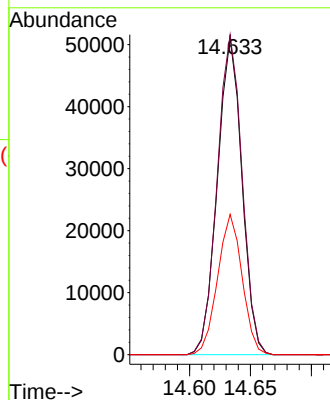
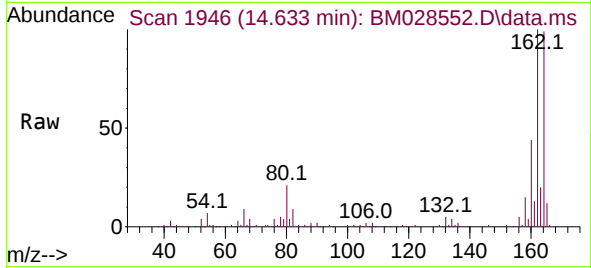




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.633 min Scan# 1946
Delta R.T. -0.000 min
Lab File: BM028552.D
Acq: 26 Jan 2021 21:58

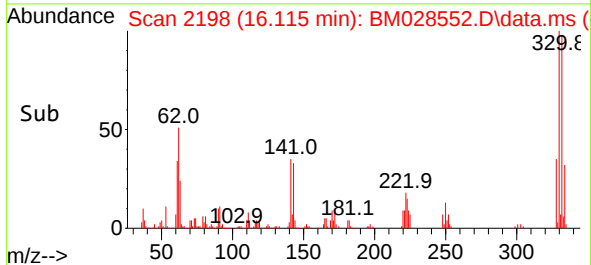
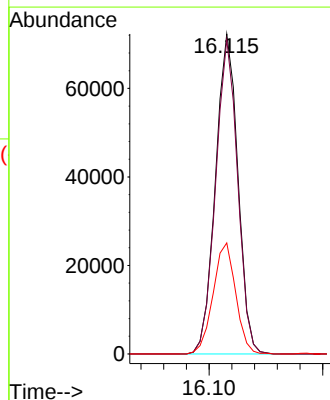
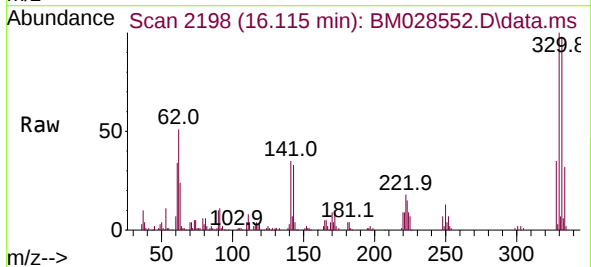
Instrument :
BNA_M
ClientSampleId :
HOLLAND-TUNNEL-TEST-PIT-5

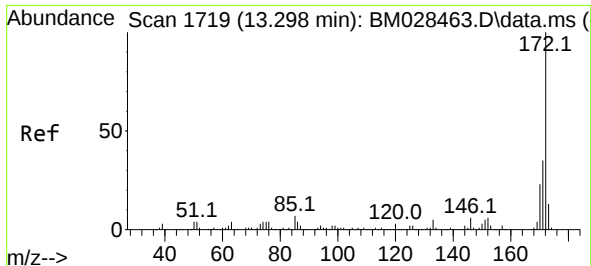
Tgt Ion:164	Resp:	71592
Ion Ratio	Lower	Upper
164	100	
162	101.0	80.4 120.6
160	44.3	35.9 53.9



#42
2,4,6-Tribromophenol
Concen: 104.37 ng
RT: 16.115 min Scan# 2198
Delta R.T. -0.000 min
Lab File: BM028552.D
Acq: 26 Jan 2021 21:58

Tgt Ion:330	Resp:	99000
Ion Ratio	Lower	Upper
330	100	
332	96.3	77.8 116.8
141	35.1	28.4 42.6

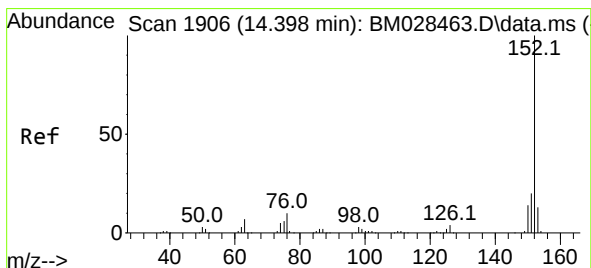
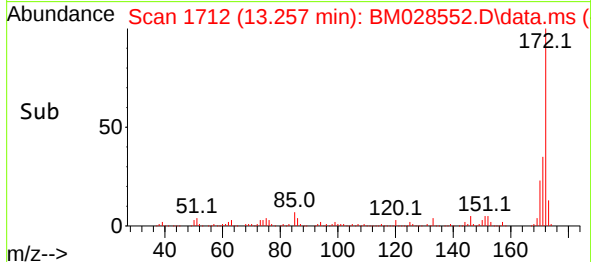
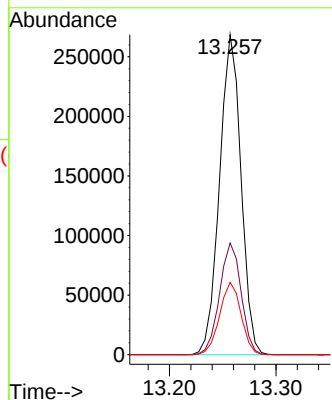
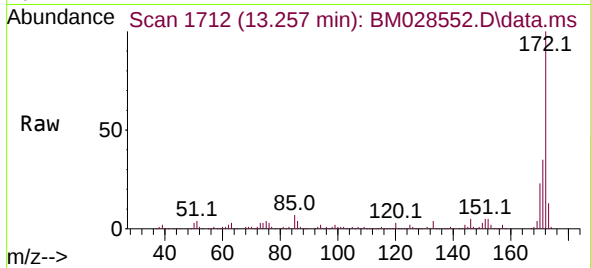




#45
2-Fluorobiphenyl
Concen: 65.80 ng
RT: 13.257 min Scan# 1712
Delta R.T. -0.000 min
Lab File: BM028552.D
Acq: 26 Jan 2021 21:58

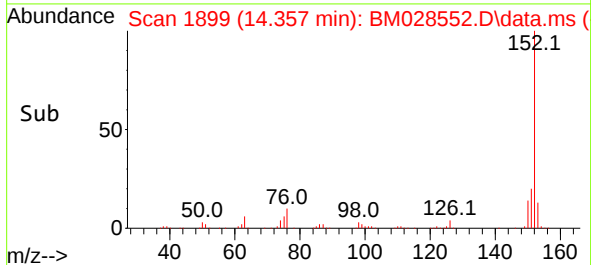
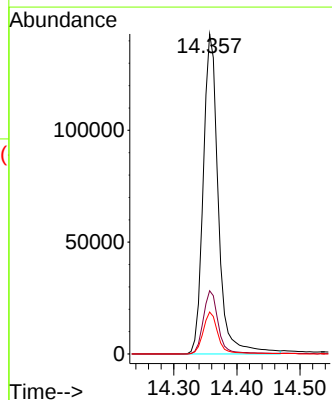
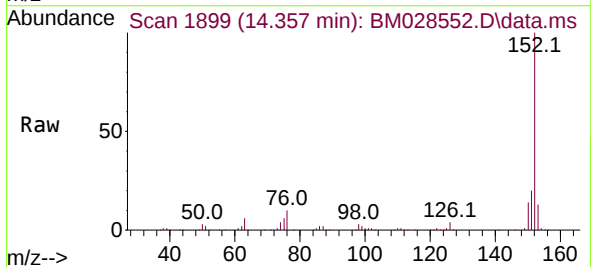
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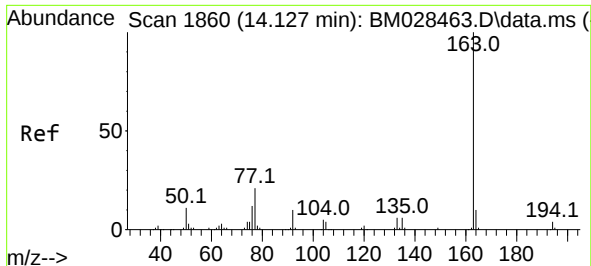
Tgt Ion:172 Resp: 375499
Ion Ratio Lower Upper
172 100
171 34.9 27.8 41.8
170 22.6 18.6 27.8



#49
Acenaphthylene
Concen: 32.17 ng
RT: 14.357 min Scan# 1899
Delta R.T. -0.000 min
Lab File: BM028552.D
Acq: 26 Jan 2021 21:58

Tgt Ion:152 Resp: 238380
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.6
153 13.1 10.4 15.6

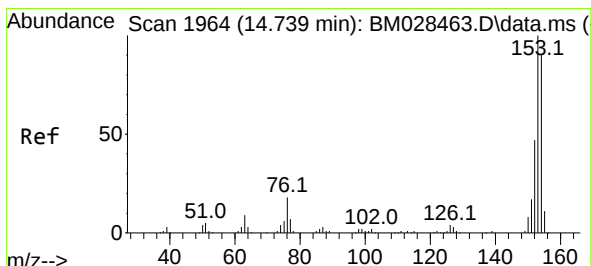
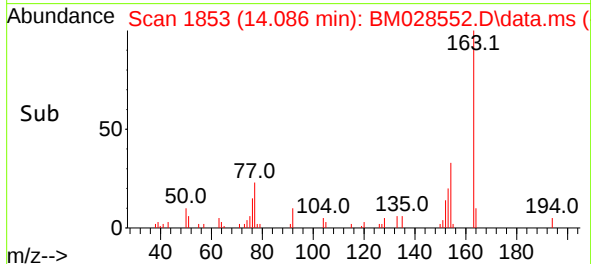
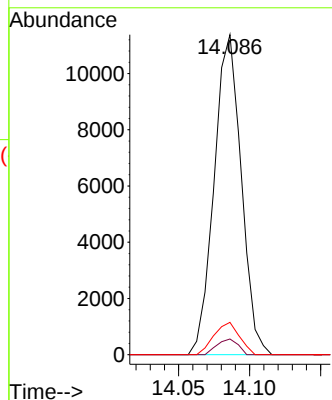
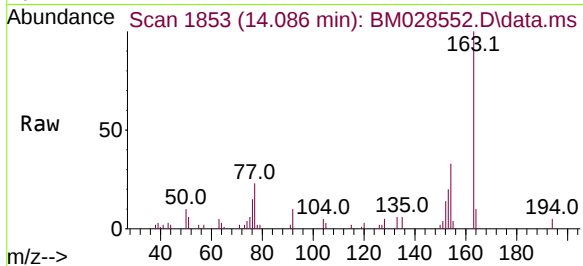




#50
Dimethylphthalate
Concen: 2.57 ng
RT: 14.086 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BM028552.D
Acq: 26 Jan 2021 21:58

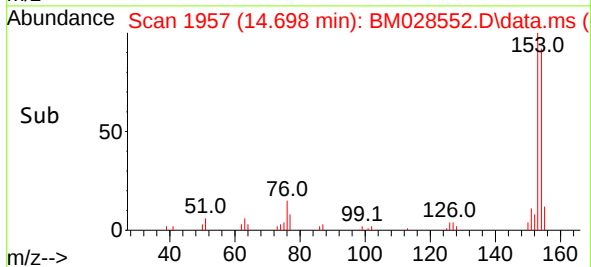
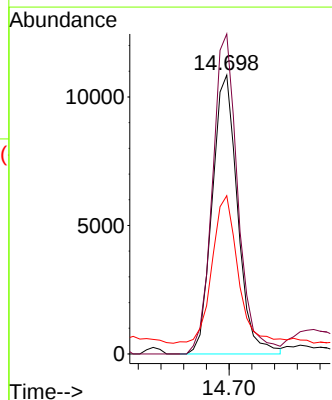
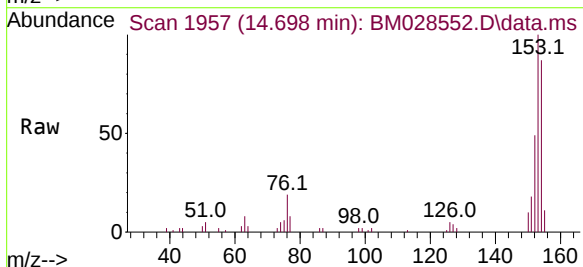
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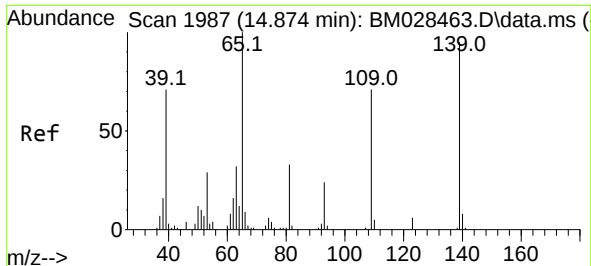
Tgt Ion:163 Resp: 15103
Ion Ratio Lower Upper
163 100
194 4.9 3.4 5.2
164 10.1 8.1 12.1



#52
Acenaphthene
Concen: 3.66 ng
RT: 14.698 min Scan# 1957
Delta R.T. -0.000 min
Lab File: BM028552.D
Acq: 26 Jan 2021 21:58

Tgt Ion:154 Resp: 16825
Ion Ratio Lower Upper
154 100
153 114.7 88.3 132.5
152 56.7 41.4 62.2

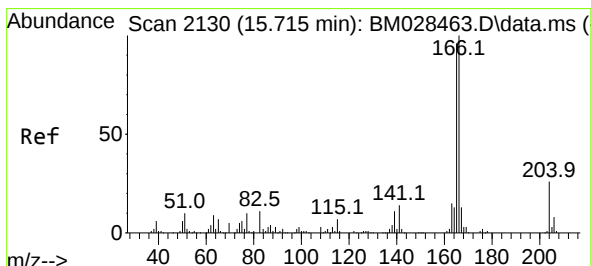
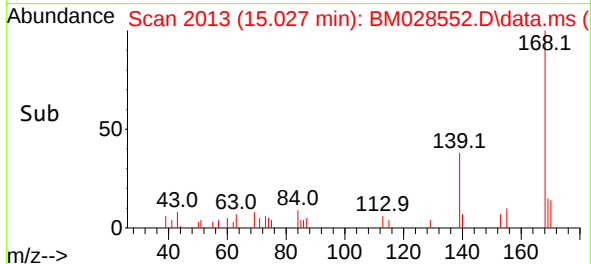
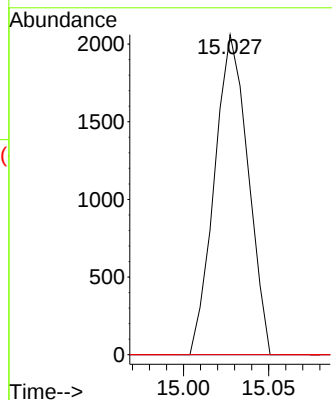
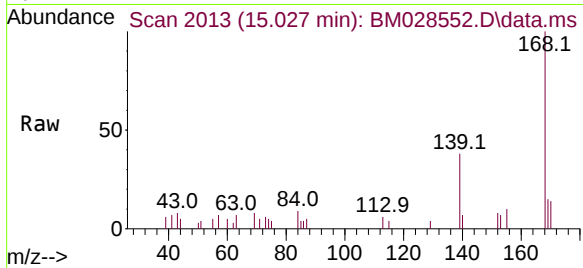




#56
4-Nitrophenol
Concen: 2.54 ng
RT: 15.027 min Scan# 2013
Delta R.T. 0.182 min
Lab File: BM028552.D
Acq: 26 Jan 2021 21:58

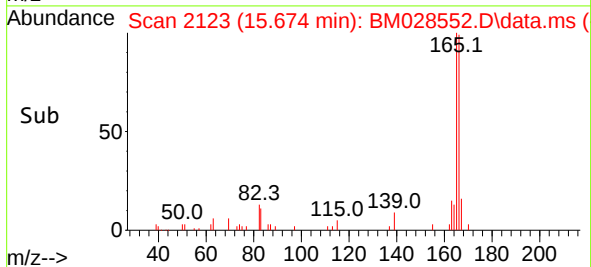
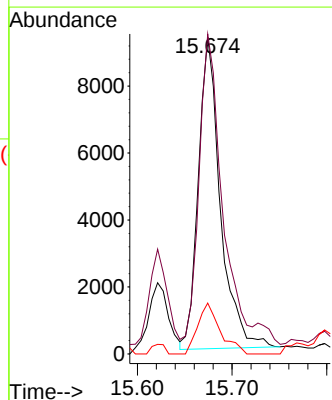
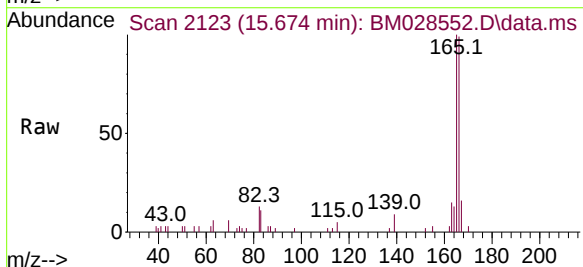
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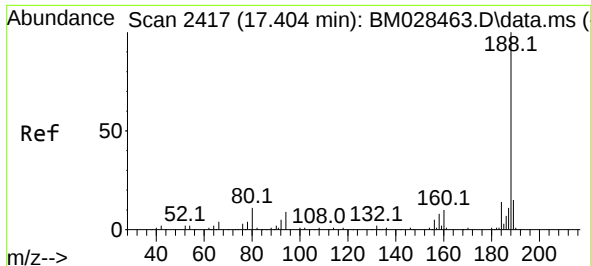
Tgt Ion:139 Resp: 2823
Ion Ratio Lower Upper
139 100
109 0.0 77.0 117.0#
65 0.0 103.4 143.4#



#58
Fluorene
Concen: 2.60 ng
RT: 15.674 min Scan# 2123
Delta R.T. -0.000 min
Lab File: BM028552.D
Acq: 26 Jan 2021 21:58

Tgt Ion:166 Resp: 15042
Ion Ratio Lower Upper
166 100
165 101.0 76.2 114.2
167 16.1 10.7 16.1

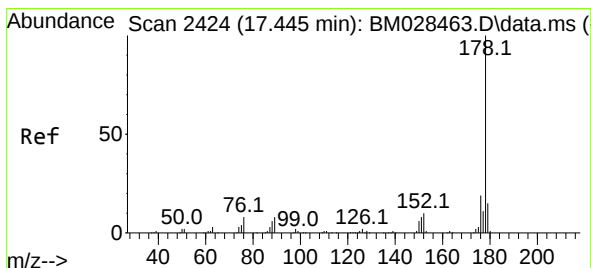
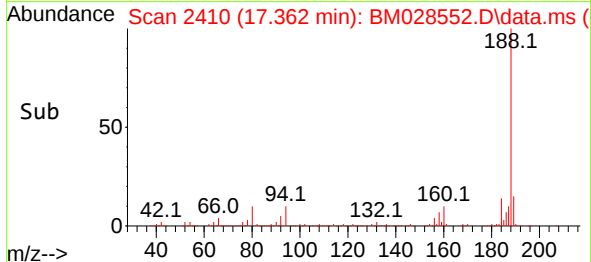
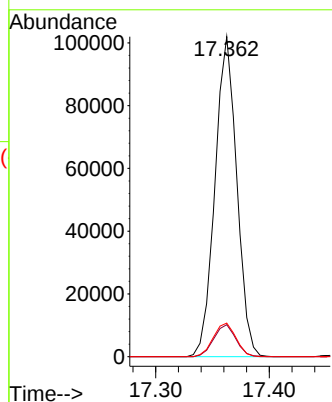
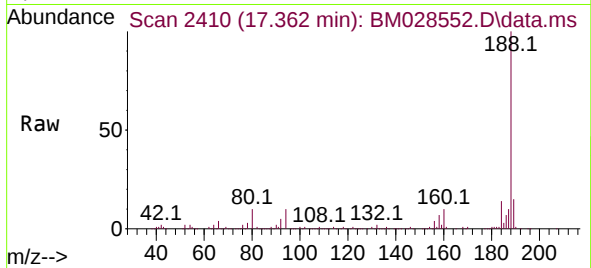




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.362 min Scan# 2410
Delta R.T. -0.000 min
Lab File: BM028552.D
Acq: 26 Jan 2021 21:58

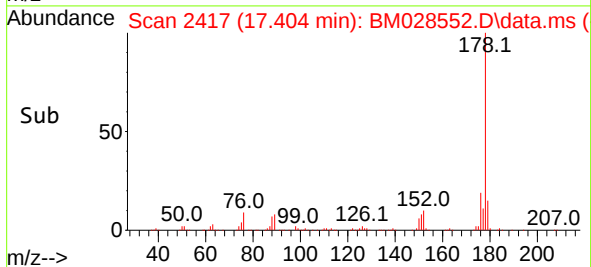
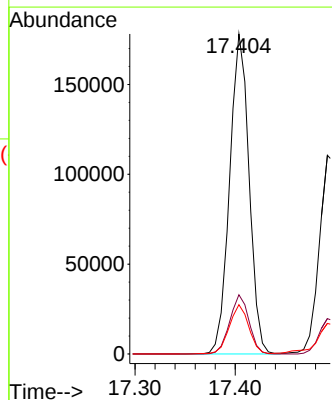
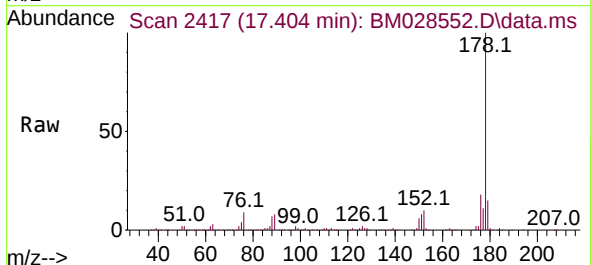
Instrument :
BNA_M
ClientSampleId :
HOLLAND-TUNNEL-TEST-PIT-5

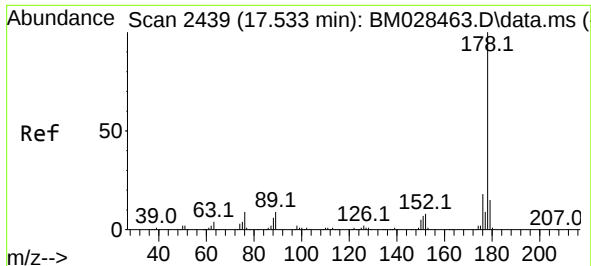
Tgt Ion:188 Resp: 136117
Ion Ratio Lower Upper
188 100
94 10.0 6.2 9.4#
80 10.5 7.5 11.3



#71
Phenanthrene
Concen: 28.61 ng
RT: 17.404 min Scan# 2417
Delta R.T. -0.000 min
Lab File: BM028552.D
Acq: 26 Jan 2021 21:58

Tgt Ion:178 Resp: 239521
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.6
179 15.4 12.2 18.4

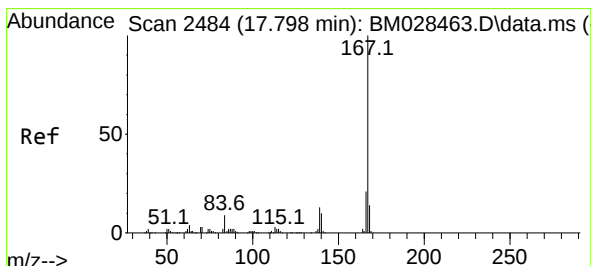
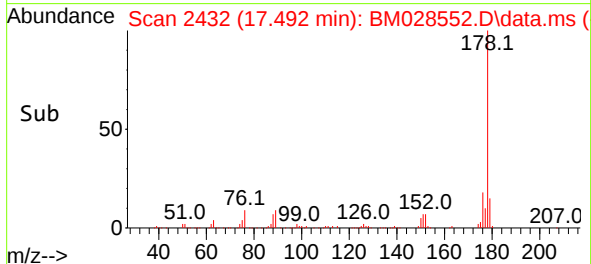
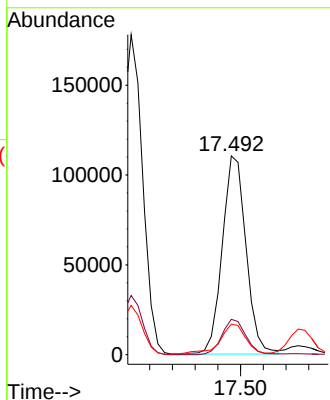
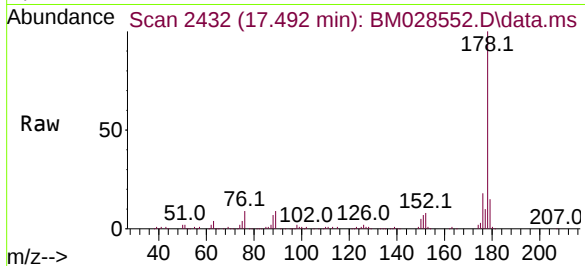




#72
 Anthracene
 Concen: 19.84 ng
 RT: 17.492 min Scan# 2432
 Delta R.T. -0.006 min
 Lab File: BM028552.D
 Acq: 26 Jan 2021 21:58

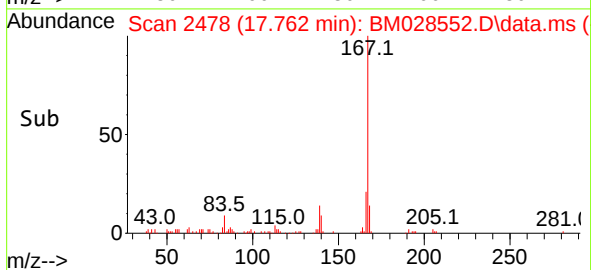
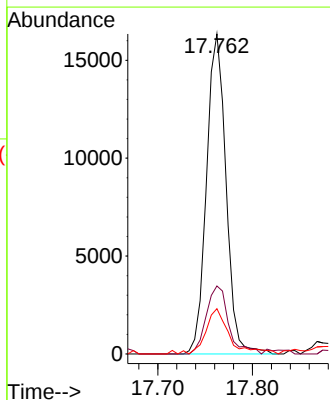
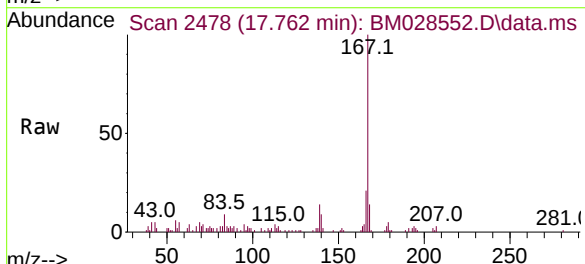
Instrument :
 BNA_M
 ClientSampleId :
 HOLLAND-TUNNEL-TEST-PIT-5

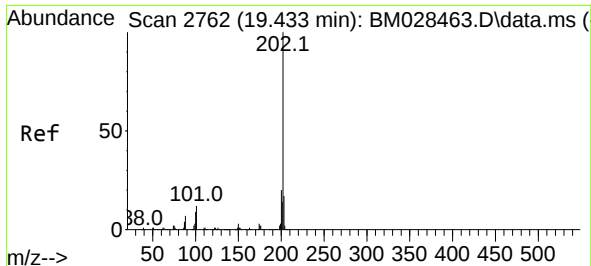
Tgt Ion:178 Resp: 160397
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.0 22.4
 179 15.4 12.5 18.7



#73
 Carbazole
 Concen: 3.04 ng
 RT: 17.762 min Scan# 2478
 Delta R.T. -0.000 min
 Lab File: BM028552.D
 Acq: 26 Jan 2021 21:58

Tgt Ion:167 Resp: 23339
 Ion Ratio Lower Upper
 167 100
 166 21.3 16.9 25.3
 139 14.2 9.9 14.9

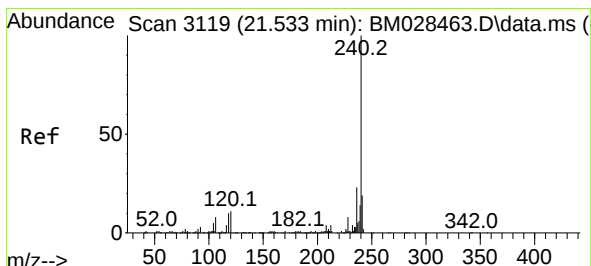
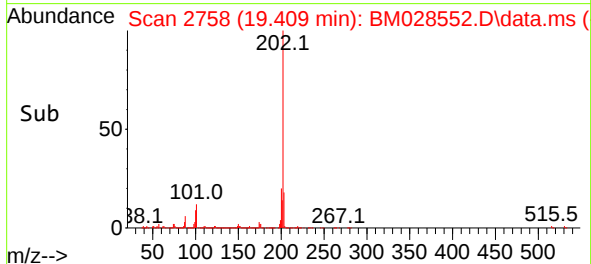
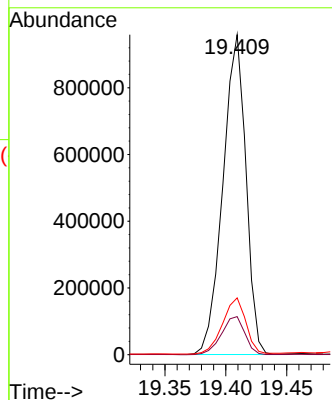
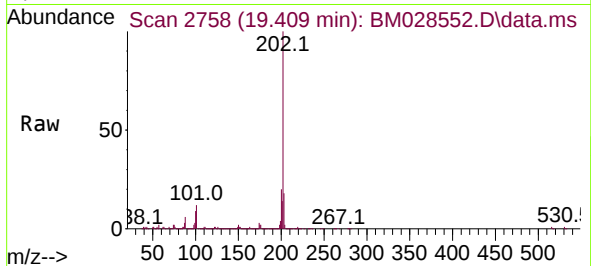




#75
Fluoranthene
Concen: 133.84 ng
RT: 19.409 min Scan# 2758
Delta R.T. 0.006 min
Lab File: BM028552.D
Acq: 26 Jan 2021 21:58

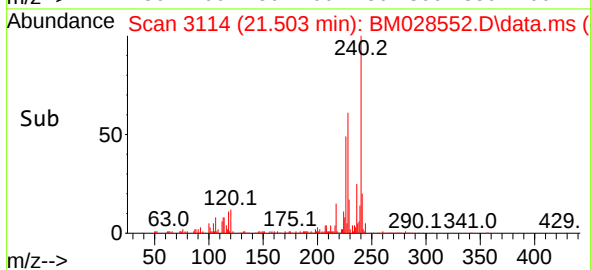
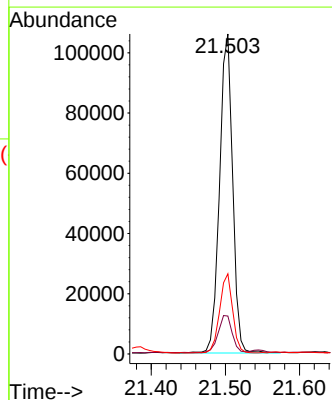
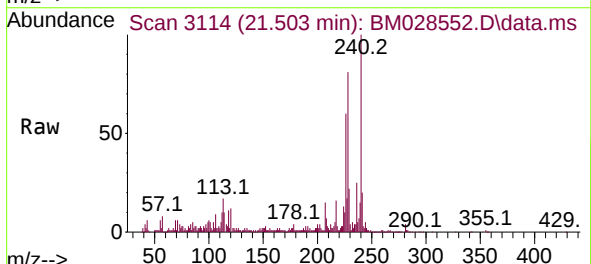
Instrument :
BNA_M
ClientSampleId :
HOLLAND-TUNNEL-TEST-PIT-5

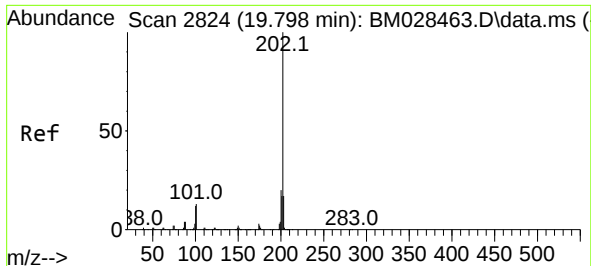
Tgt Ion:202 Resp: 1258291
Ion Ratio Lower Upper
202 100
101 11.9 0.0 28.5
203 17.7 0.0 37.3



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.503 min Scan# 3114
Delta R.T. 0.006 min
Lab File: BM028552.D
Acq: 26 Jan 2021 21:58

Tgt Ion:240 Resp: 130046
Ion Ratio Lower Upper
240 100
120 11.9 6.4 9.6#
236 25.1 20.1 30.1

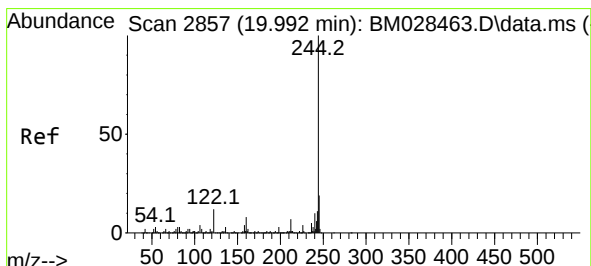
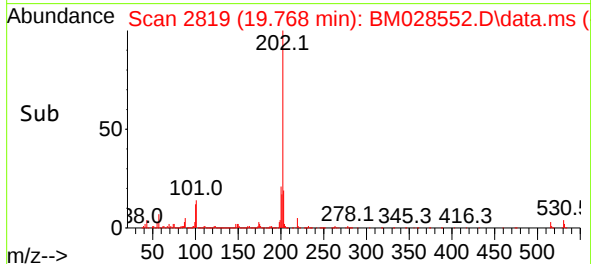
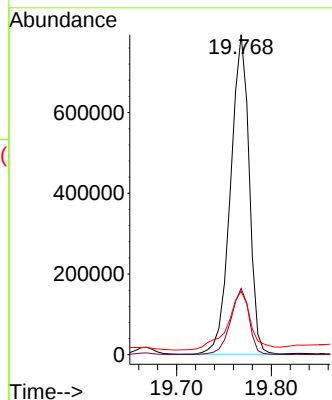
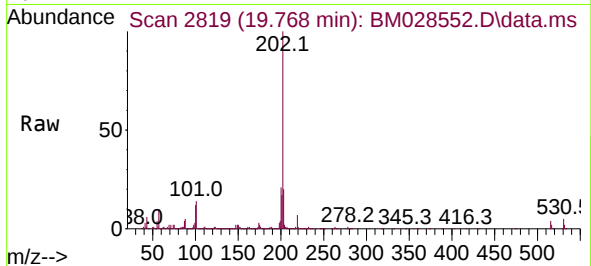




#78
Pyrene
Concen: 115.54 ng
RT: 19.768 min Scan# 2819
Delta R.T. 0.006 min
Lab File: BM028552.D
Acq: 26 Jan 2021 21:58

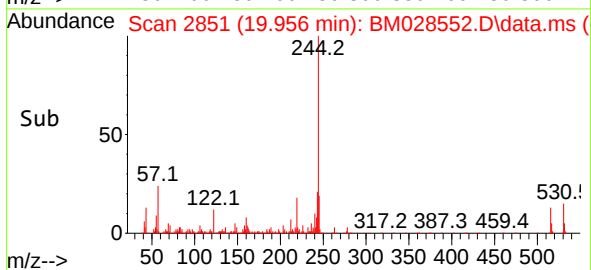
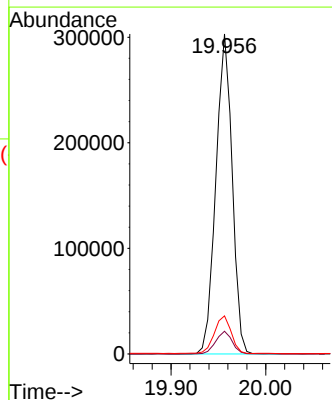
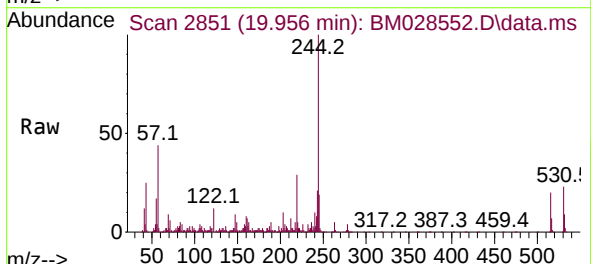
Instrument :
BNA_M
ClientSampleId :
HOLLAND-TUNNEL-TEST-PIT-5

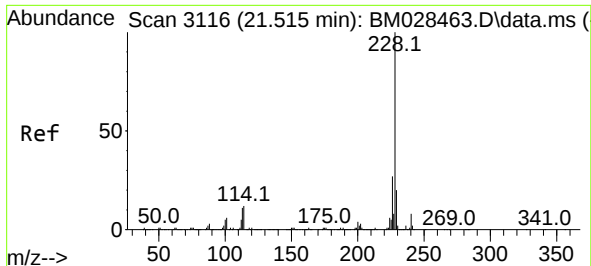
Tgt Ion:202 Resp: 1077328
Ion Ratio Lower Upper
202 100
200 20.7 16.6 24.8
203 19.8 13.8 20.6



#79
Terphenyl-d14
Concen: 50.40 ng
RT: 19.956 min Scan# 2851
Delta R.T. -0.000 min
Lab File: BM028552.D
Acq: 26 Jan 2021 21:58

Tgt Ion:244 Resp: 362988
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.8
122 11.9 6.5 9.7#

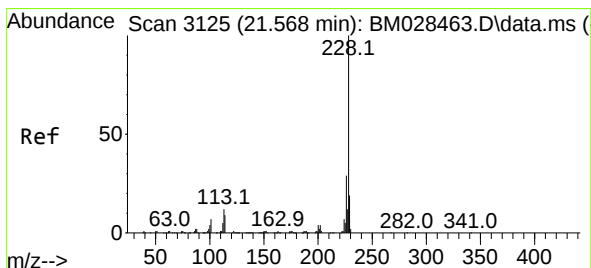
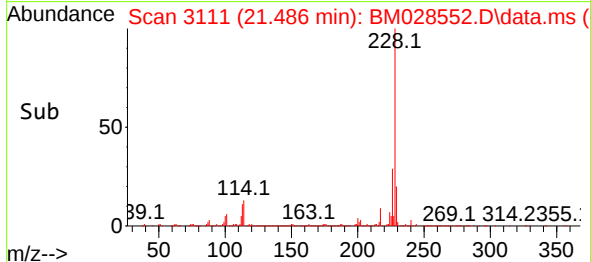
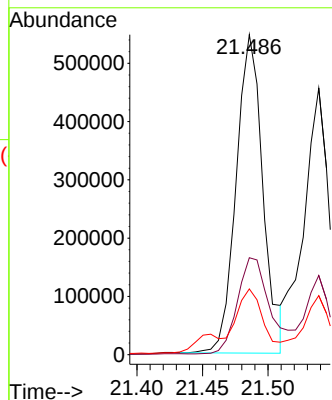
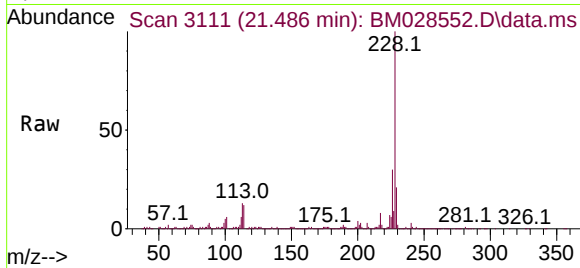




#81
Benzo(a)anthracene
Concen: 86.48 ng
RT: 21.486 min Scan# 3111
Delta R.T. 0.006 min
Lab File: BM028552.D
Acq: 26 Jan 2021 21:58

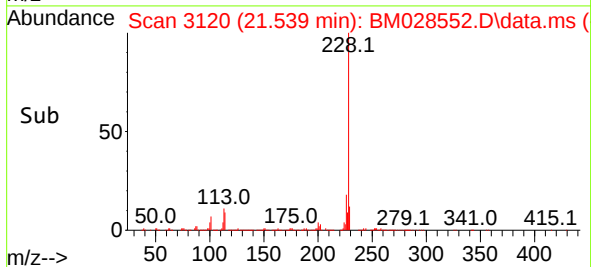
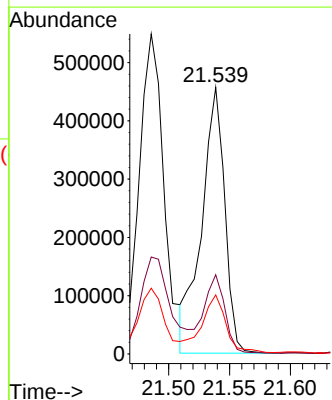
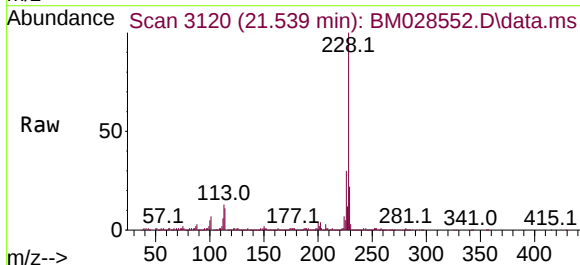
Instrument :
BNA_M
ClientSampleId :
HOLLAND-TUNNEL-TEST-PIT-5

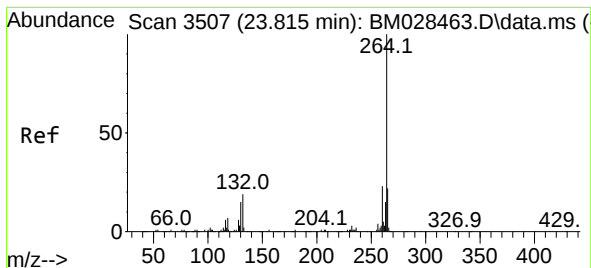
Tgt Ion:228 Resp: 776678
Ion Ratio Lower Upper
228 100
226 30.3 21.1 31.7
229 20.5 15.7 23.5



#83
Chrysene
Concen: 69.62 ng
RT: 21.539 min Scan# 3120
Delta R.T. 0.006 min
Lab File: BM028552.D
Acq: 26 Jan 2021 21:58

Tgt Ion:228 Resp: 603588
Ion Ratio Lower Upper
228 100
226 29.7 23.4 35.0
229 22.1 15.7 23.5

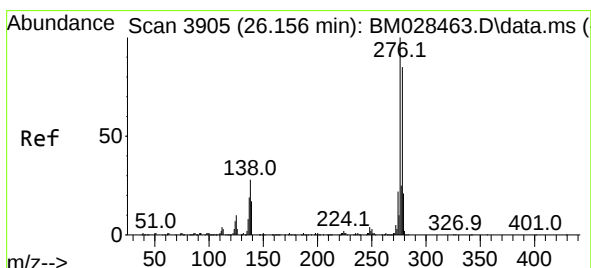
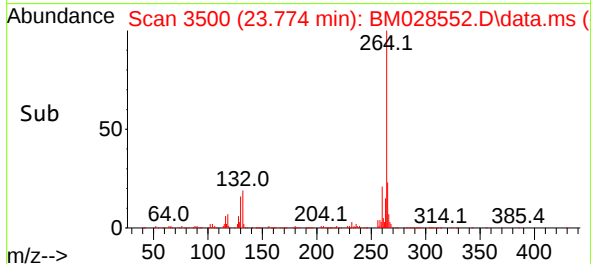
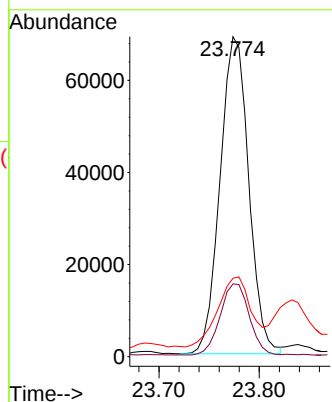
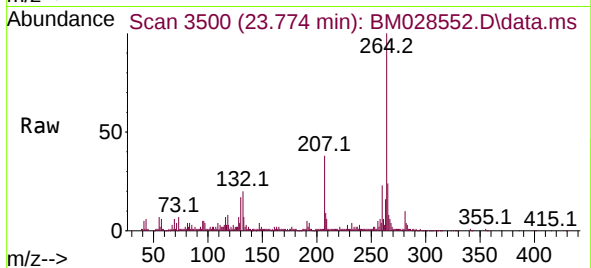




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.774 min Scan# 3500
Delta R.T. 0.011 min
Lab File: BM028552.D
Acq: 26 Jan 2021 21:58

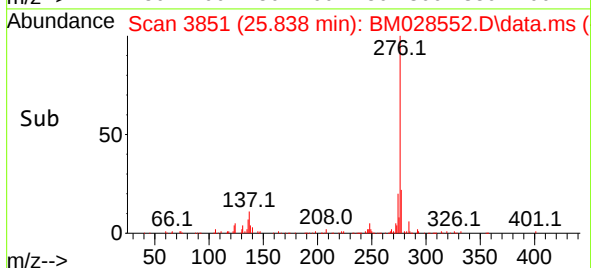
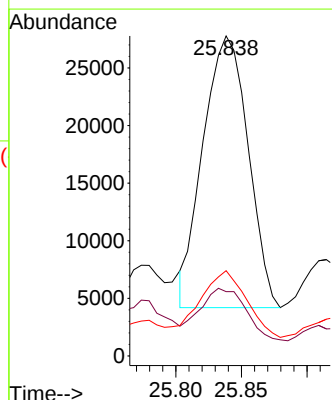
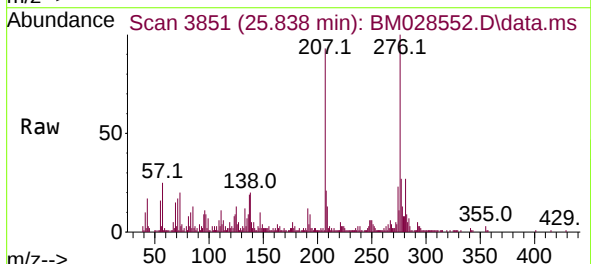
Instrument :
BNA_M
ClientSampleId :
HOLLAND-TUNNEL-TEST-PIT-5

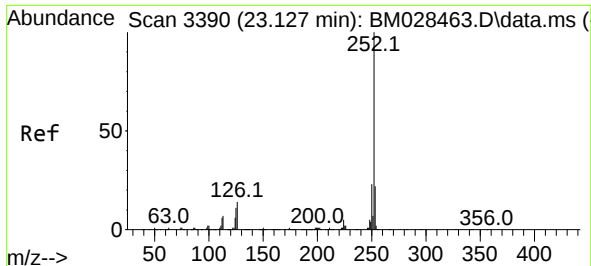
Tgt Ion:264 Resp: 137068
Ion Ratio Lower Upper
264 100
260 22.8 19.0 28.4
265 24.5 17.7 26.5



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.53 ng
RT: 25.838 min Scan# 3851
Delta R.T. -0.241 min
Lab File: BM028552.D
Acq: 26 Jan 2021 21:58

Tgt Ion:276 Resp: 56472
Ion Ratio Lower Upper
276 100
138 19.8 14.2 21.4
277 24.2 19.8 29.8

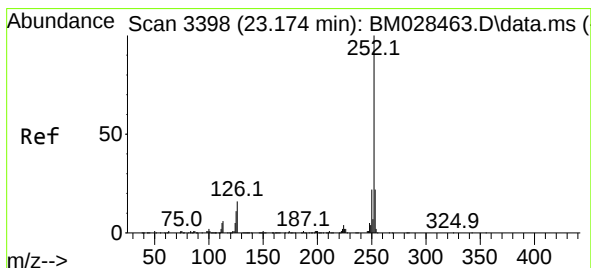
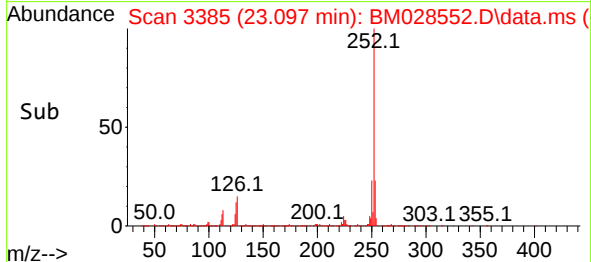
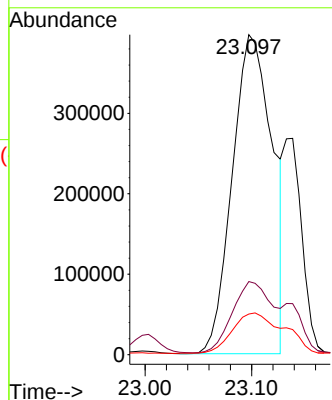
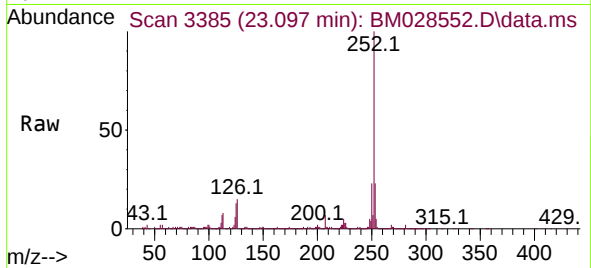




#88
Benzo(b)fluoranthene
Concen: 111.54 ng
RT: 23.097 min Scan# 3385
Delta R.T. 0.011 min
Lab File: BM028552.D
Acq: 26 Jan 2021 21:58

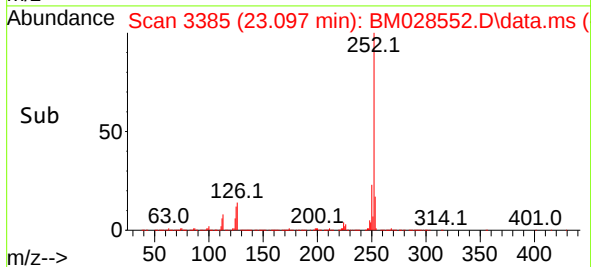
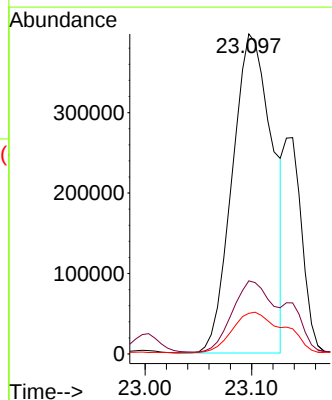
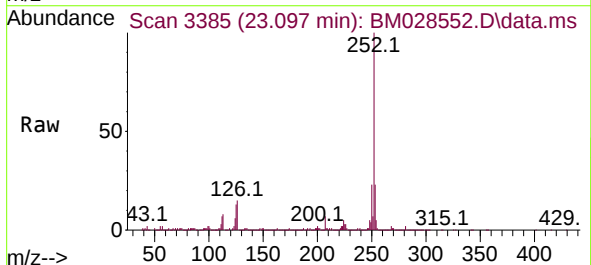
Instrument :
BNA_M
ClientSampleId :
HOLLAND-TUNNEL-TEST-PIT-5

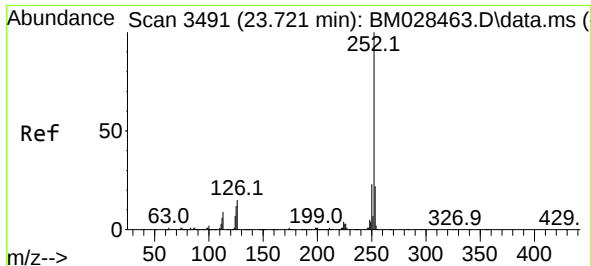
Tgt Ion:252 Resp: 1037921
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.0
125 12.7 5.7 8.5#



#89
Benzo(k)fluoranthene
Concen: 114.23 ng
RT: 23.097 min Scan# 3385
Delta R.T. -0.030 min
Lab File: BM028552.D
Acq: 26 Jan 2021 21:58

Tgt Ion:252 Resp: 1037921
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.0
125 12.7 5.6 8.4#

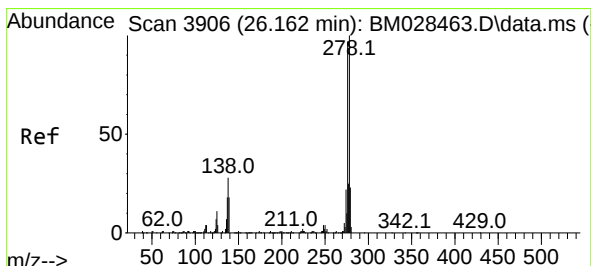
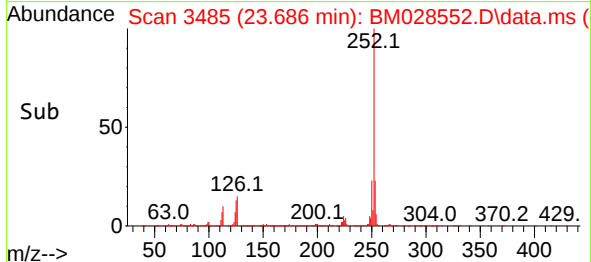
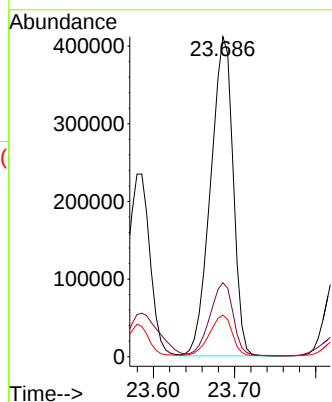
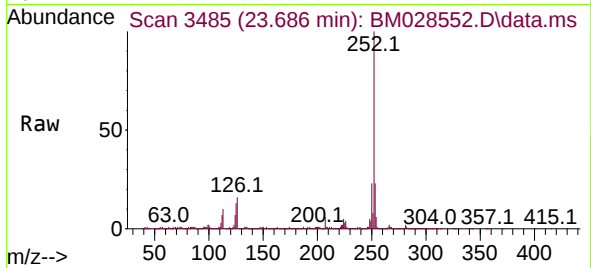




#90
Benzo(a)pyrene
Concen: 91.81 ng
RT: 23.686 min Scan# 3485
Delta R.T. 0.017 min
Lab File: BM028552.D
Acq: 26 Jan 2021 21:58

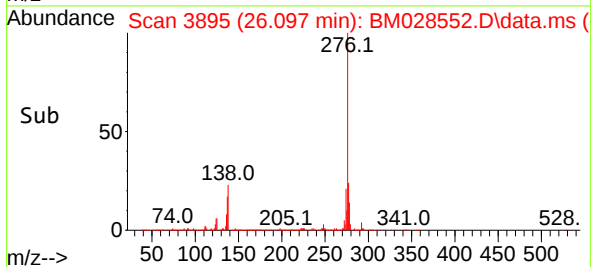
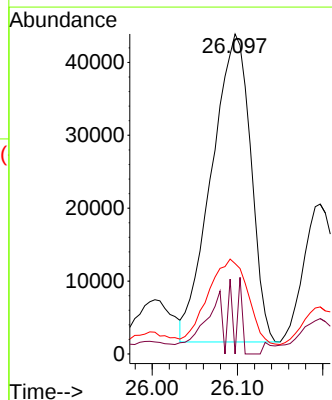
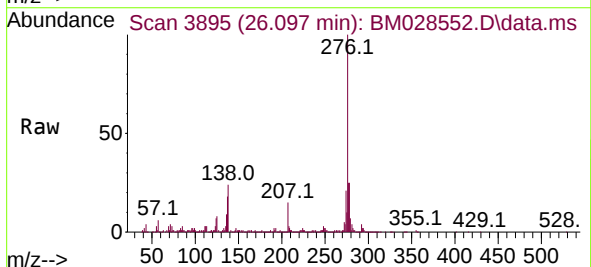
Instrument :
BNA_M
ClientSampleId :
HOLLAND-TUNNEL-TEST-PIT-5

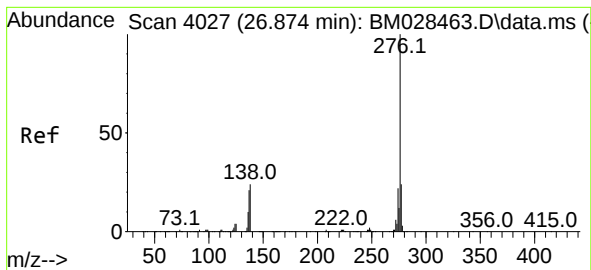
Tgt Ion:252 Resp: 791623
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.2
125 13.0 6.6 9.8#



#91
Dibenzo(a,h)anthracene
Concen: 15.96 ng
RT: 26.097 min Scan# 3895
Delta R.T. 0.006 min
Lab File: BM028552.D
Acq: 26 Jan 2021 21:58

Tgt Ion:278 Resp: 134864
Ion Ratio Lower Upper
278 100
139 0.0 9.0 13.6#
279 28.3 19.0 28.4





#92
Benzo(g,h,i)perylene
Concen: 56.76 ng
RT: 26.821 min Scan# 4018
Delta R.T. 0.029 min
Lab File: BM028552.D
Acq: 26 Jan 2021 21:58

Instrument :
BNA_M
ClientSampleId :
HOLLAND-TUNNEL-TEST-PIT-5

Tgt Ion:276 Resp: 471660
Ion Ratio Lower Upper
276 100
277 24.6 18.6 28.0
138 24.1 12.2 18.2#

