

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012721\
 Data File : BM028564.D
 Acq On : 27 Jan 2021 05:13
 Operator : CG/JU
 Sample : M1234-01DL 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Jan 27 05:50:17 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)

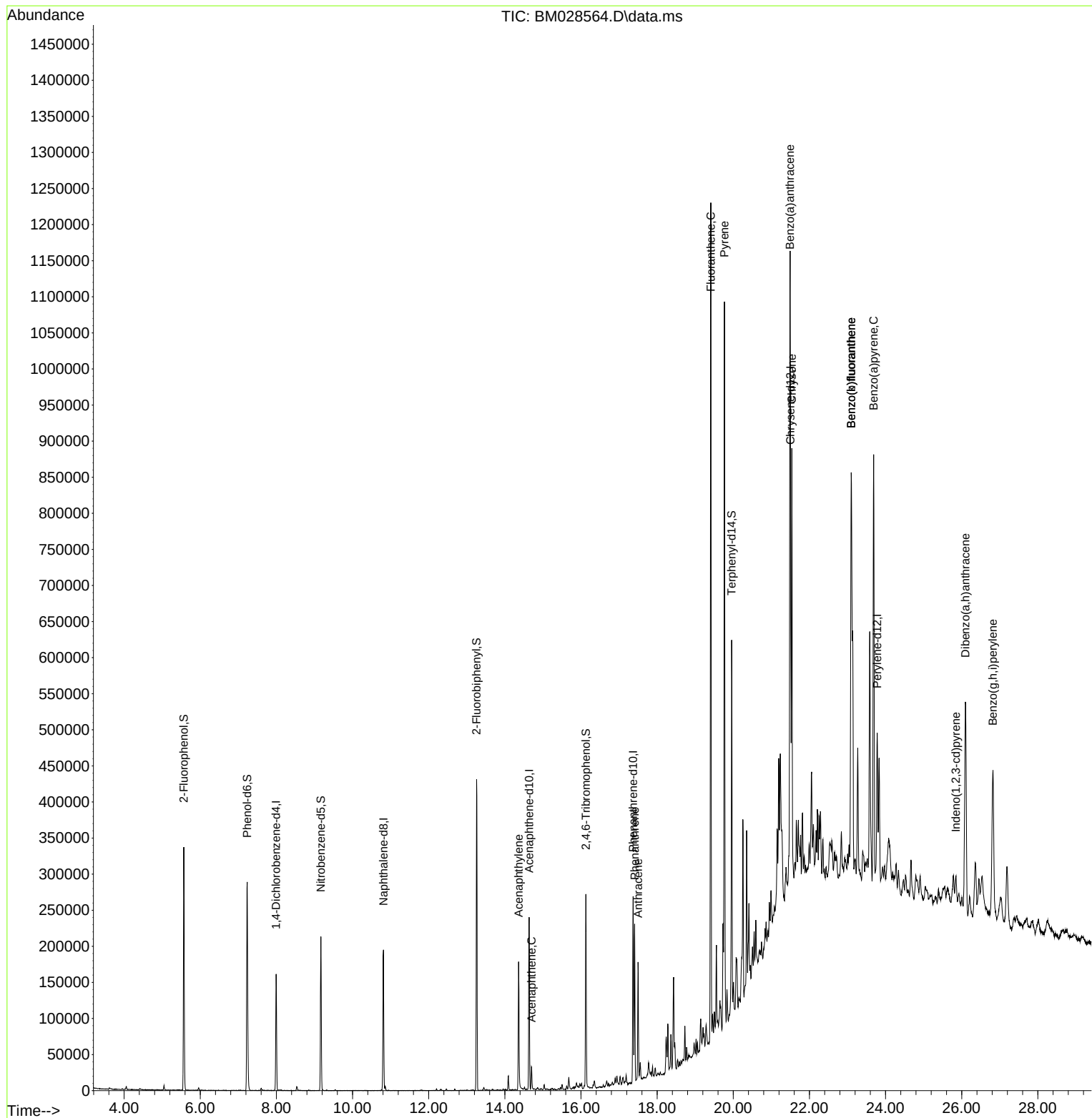
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.992	152	42939	20.00	ng	0.00
21) Naphthalene-d8	10.810	136	158944	20.00	ng	# 0.00
39) Acenaphthene-d10	14.639	164	78932	20.00	ng	0.00
64) Phenanthrene-d10	17.368	188	141745	20.00	ng	# 0.00
76) Chrysene-d12	21.503	240	129955	20.00	ng	# 0.00
86) Perylene-d12	23.780	264	135071	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	147193	54.15	ng	0.06
7) Phenol-d6	7.234	99	185875	50.22	ng	0.08
23) Nitrobenzene-d5	9.169	82	115039	34.33	ng	0.00
42) 2,4,6-Tribromophenol	16.127	330	48043	45.94	ng	0.01
45) 2-Fluorobiphenyl	13.257	172	215630	34.27	ng	0.00
79) Terphenyl-d14	19.956	244	201004	27.93	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	14.363	152	140209	17.16	ng	100
52) Acenaphthene	14.698	154	13003	2.56	ng	99
71) Phenanthrene	17.409	178	124242	14.25	ng	100
72) Anthracene	17.498	178	101462	12.05	ng	97
75) Fluoranthene	19.409	202	659618	67.38	ng	97
78) Pyrene	19.768	202	590566	63.38	ng	99
81) Benzo(a)anthracene	21.486	228	402728	44.88	ng	98
83) Chrysene	21.539	228	310724	35.87	ng	97
87) Indeno(1,2,3-cd)pyrene	25.844	276	29032	2.88	ng	98
88) Benzo(b)fluoranthene	23.097	252	687317	74.95	ng	# 94
89) Benzo(k)fluoranthene	23.097	252	687317	76.76	ng	# 94
90) Benzo(a)pyrene	23.685	252	401286	47.23	ng	# 94
91) Dibenzo(a,h)anthracene	26.097	278	68805	8.26	ng	# 79
92) Benzo(g,h,i)perylene	26.821	276	235250	28.73	ng	# 90

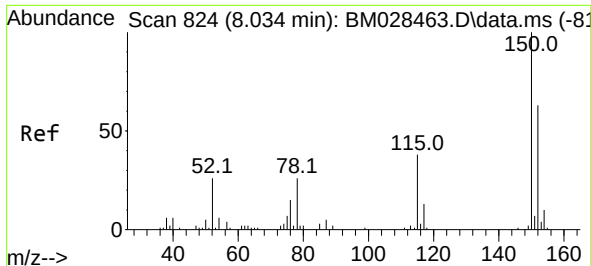
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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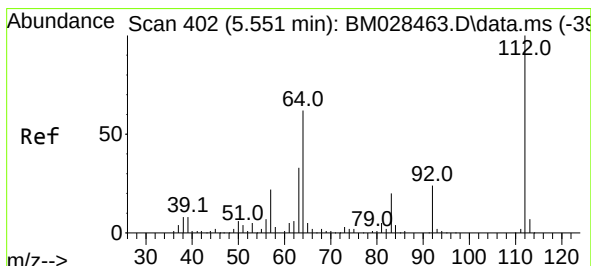
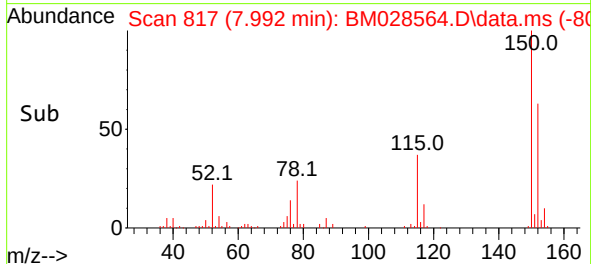
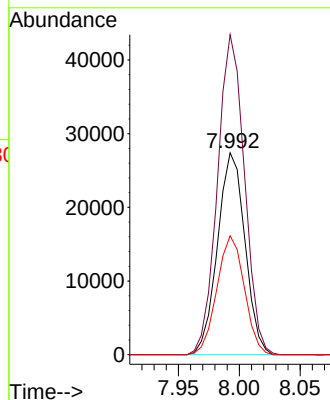
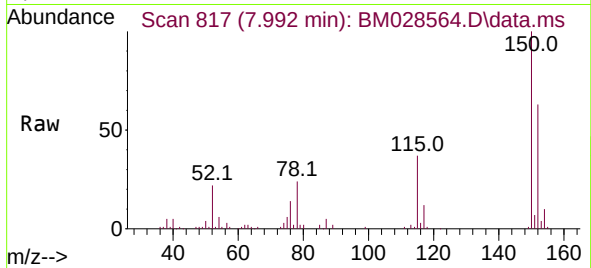




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.992 min Scan# 817
Delta R.T. -0.001 min
Lab File: BM028564.D
Acq: 27 Jan 2021 05:13

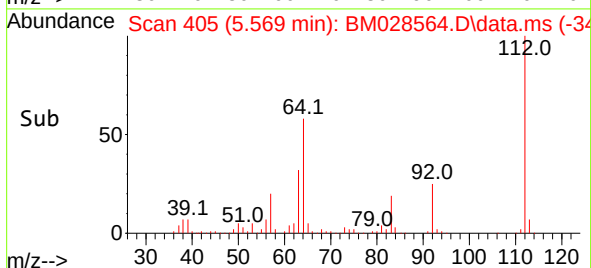
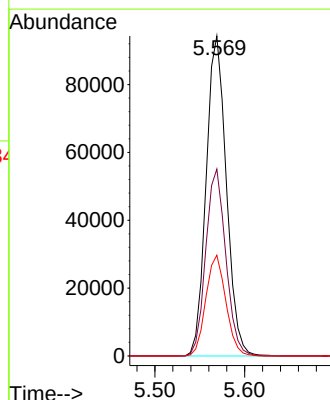
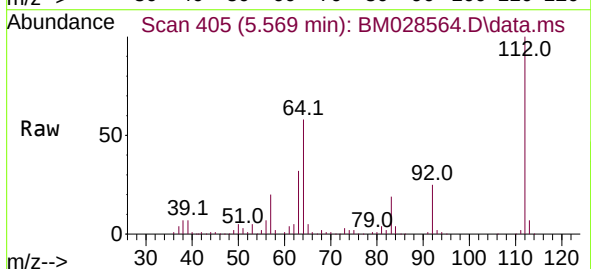
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BNA_M
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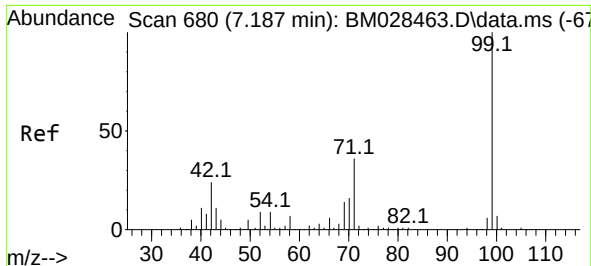
Tgt Ion:152 Resp: 42939
Ion Ratio Lower Upper
152 100
150 158.4 120.6 181.0
115 58.9 47.2 70.8



#5
2-Fluorophenol
Concen: 54.15 ng
RT: 5.569 min Scan# 405
Delta R.T. 0.058 min
Lab File: BM028564.D
Acq: 27 Jan 2021 05:13

Tgt Ion:112 Resp: 147193
Ion Ratio Lower Upper
112 100
64 58.4 50.6 76.0
63 31.5 31.0 46.6

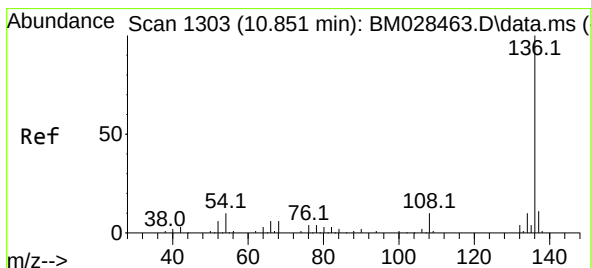
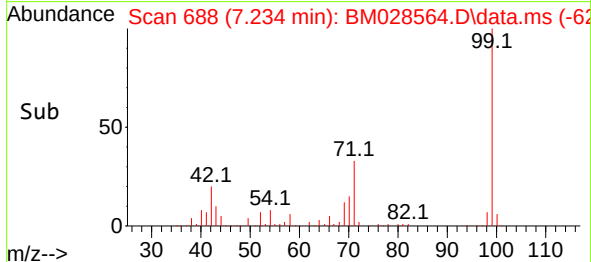
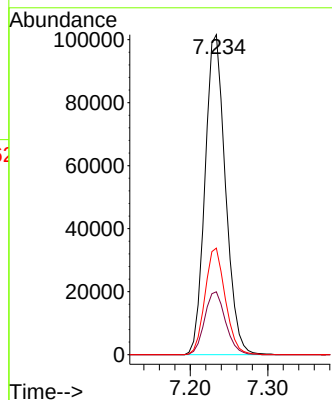
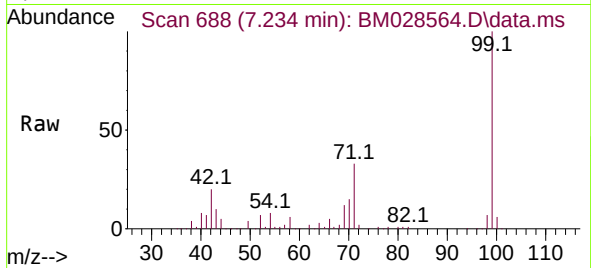




#7
Phenol-d6
Concen: 50.22 ng
RT: 7.234 min Scan# 688
Delta R.T. 0.082 min
Lab File: BM028564.D
Acq: 27 Jan 2021 05:13

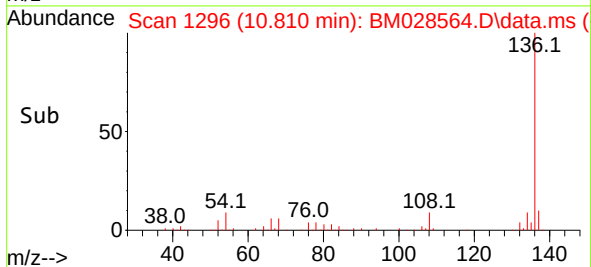
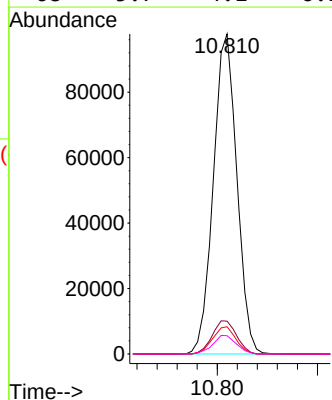
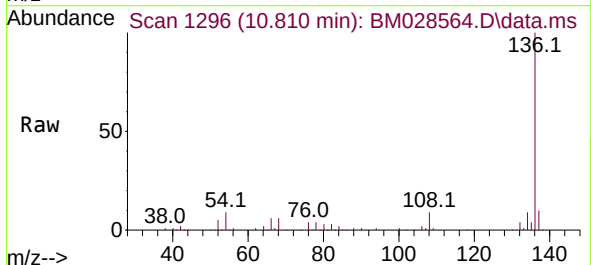
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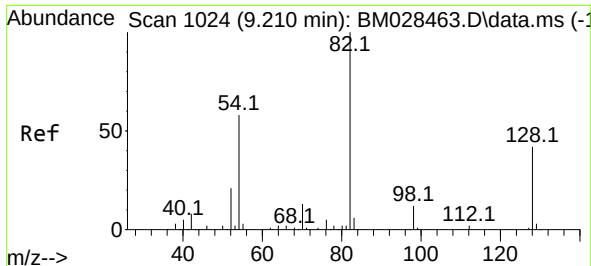
Tgt Ion: 99 Resp: 185875
Ion Ratio Lower Upper
99 100
42 19.7 13.5 20.3
71 33.3 39.4 59.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.810 min Scan# 1296
Delta R.T. 0.005 min
Lab File: BM028564.D
Acq: 27 Jan 2021 05:13

Tgt Ion: 136 Resp: 158944
Ion Ratio Lower Upper
136 100
137 10.2 8.6 12.8
54 8.5 4.6 7.0#
68 5.7 4.1 6.1

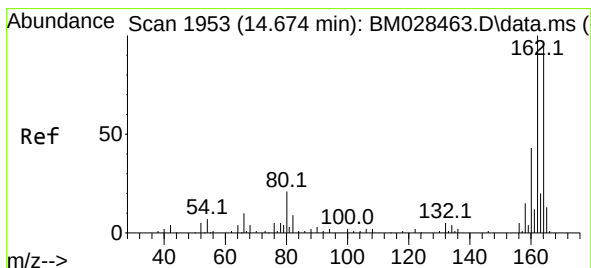
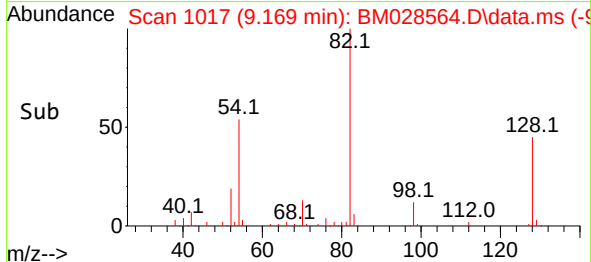
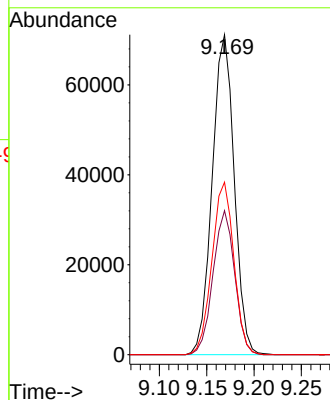
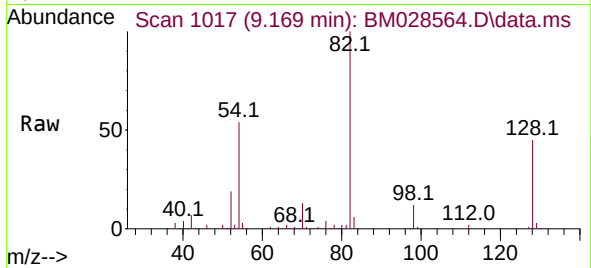




#23
Nitrobenzene-d5
Concen: 34.33 ng
RT: 9.169 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BM028564.D
Acq: 27 Jan 2021 05:13

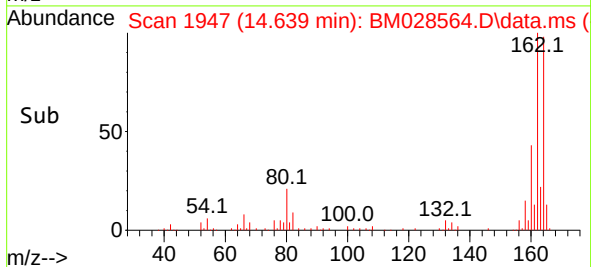
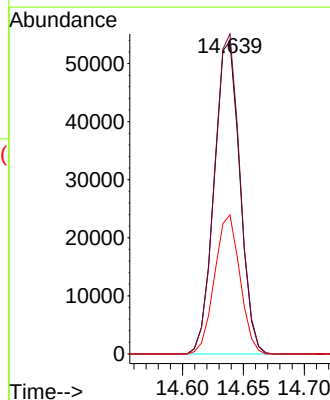
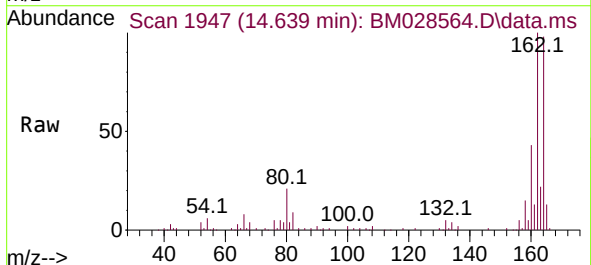
Instrument :
BNA_M
ClientSampleId :
HOLLAND-TUNNEL-TEST-PIT-5DL

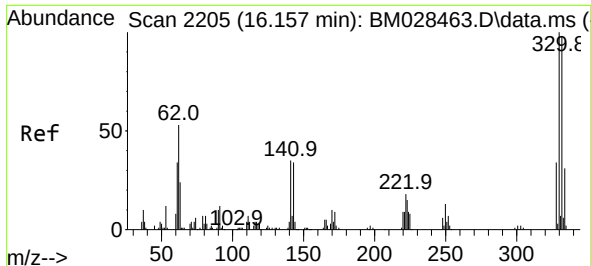
Tgt Ion: 82 Resp: 115039
Ion Ratio Lower Upper
82 100
128 45.0 27.4 41.0#
54 53.9 31.4 47.0#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.639 min Scan# 1947
Delta R.T. 0.005 min
Lab File: BM028564.D
Acq: 27 Jan 2021 05:13

Tgt Ion:164 Resp: 78932
Ion Ratio Lower Upper
164 100
162 102.3 80.4 120.6
160 44.5 35.9 53.9

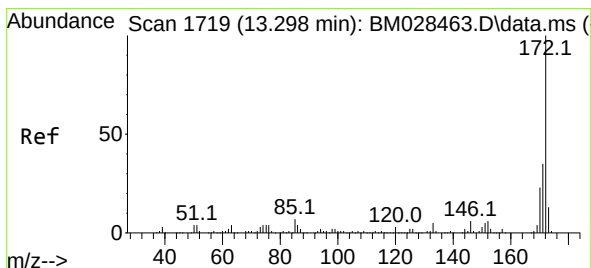
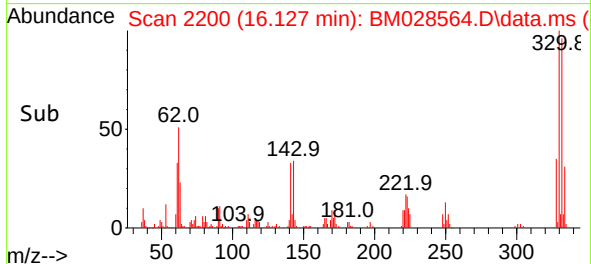
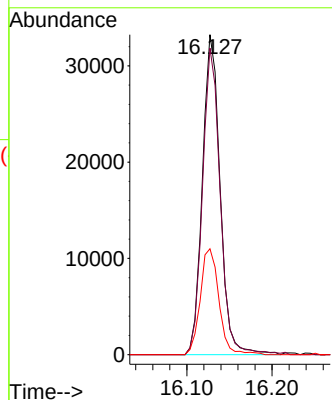
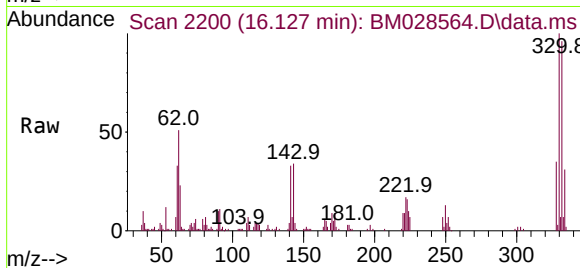




#42
2,4,6-Tribromophenol
Concen: 45.94 ng
RT: 16.127 min Scan# 2200
Delta R.T. 0.011 min
Lab File: BM028564.D
Acq: 27 Jan 2021 05:13

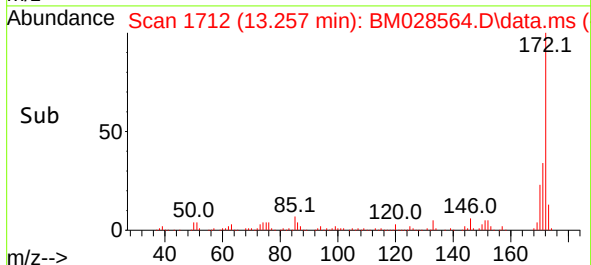
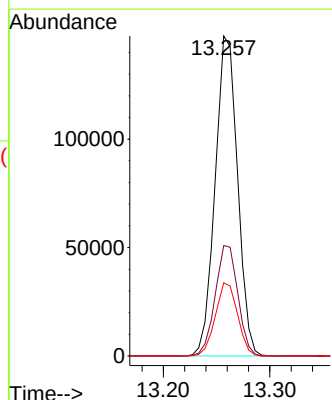
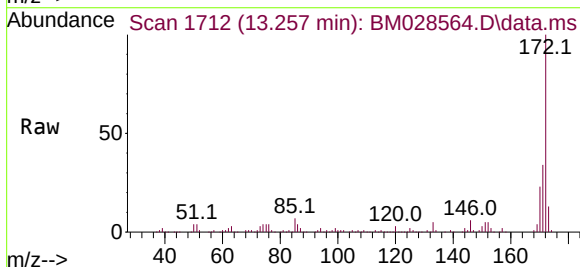
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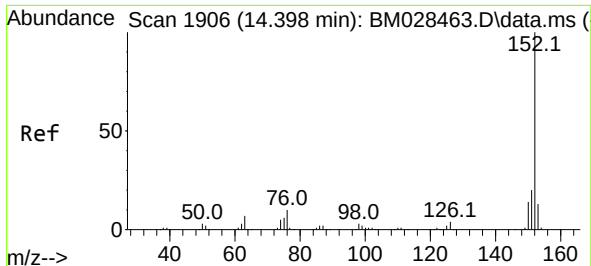
Tgt Ion:330 Resp: 48043
Ion Ratio Lower Upper
330 100
332 96.0 77.8 116.8
141 34.9 28.4 42.6



#45
2-Fluorobiphenyl
Concen: 34.27 ng
RT: 13.257 min Scan# 1712
Delta R.T. -0.000 min
Lab File: BM028564.D
Acq: 27 Jan 2021 05:13

Tgt Ion:172 Resp: 215630
Ion Ratio Lower Upper
172 100
171 34.5 27.8 41.8
170 22.8 18.6 27.8

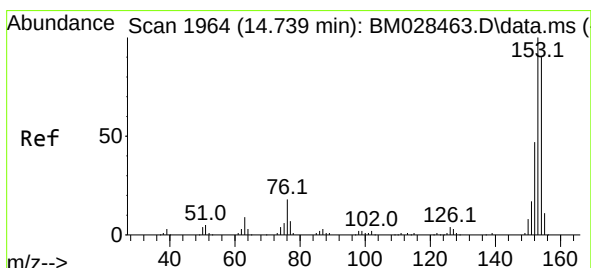
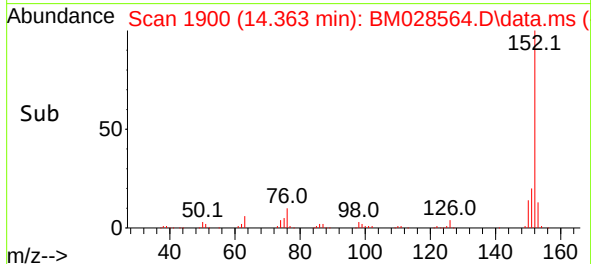
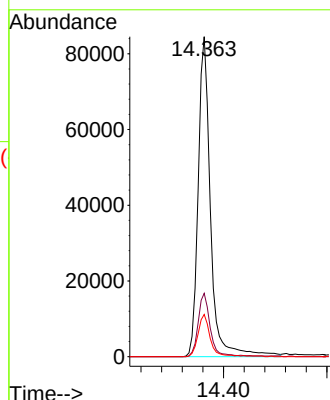
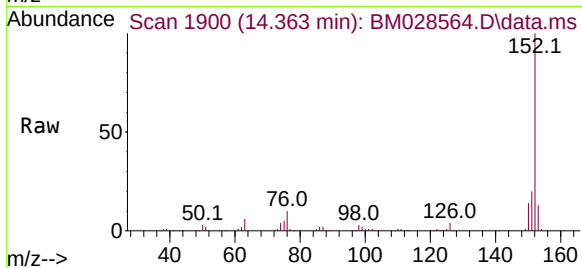




#49
Acenaphthylene
Concen: 17.16 ng
RT: 14.363 min Scan# 1900
Delta R.T. 0.005 min
Lab File: BM028564.D
Acq: 27 Jan 2021 05:13

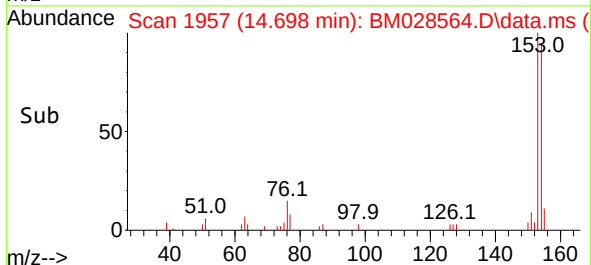
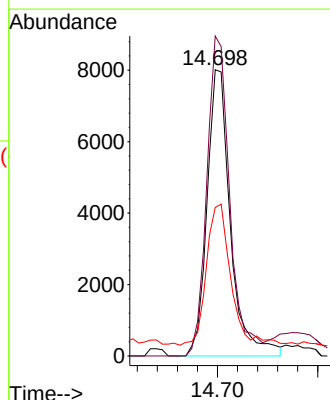
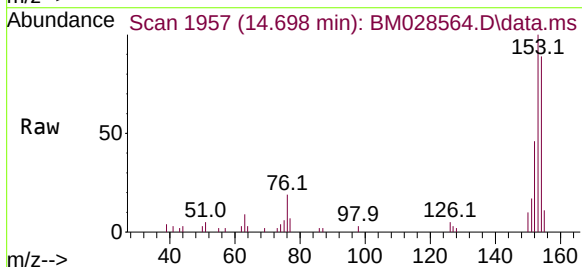
Instrument :
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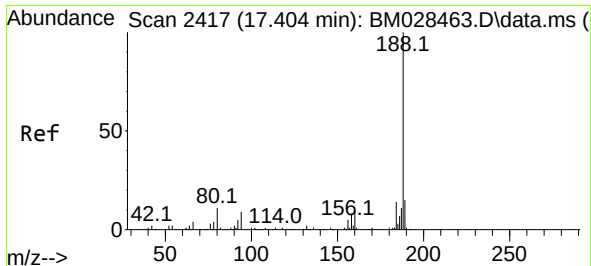
Tgt Ion:152	Resp: 140209
Ion Ratio	Lower Upper
152	100
151	19.8 15.8 23.6
153	13.2 10.4 15.6



#52
Acenaphthene
Concen: 2.56 ng
RT: 14.698 min Scan# 1957
Delta R.T. -0.000 min
Lab File: BM028564.D
Acq: 27 Jan 2021 05:13

Tgt Ion:154	Resp: 13003
Ion Ratio	Lower Upper
154	100
153	111.8 88.3 132.5
152	51.9 41.4 62.2

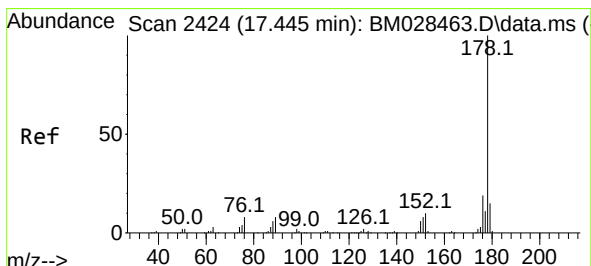
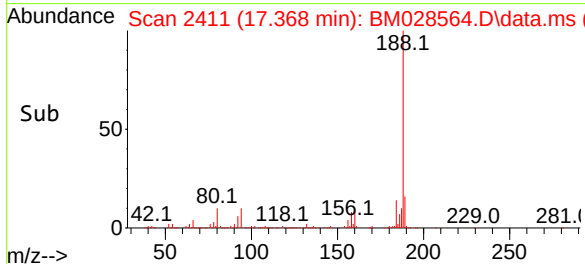
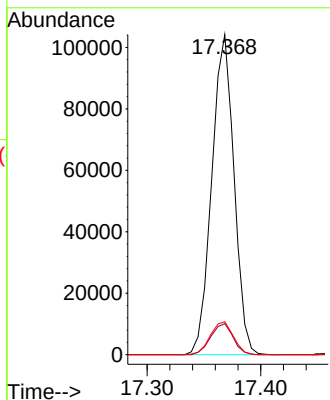
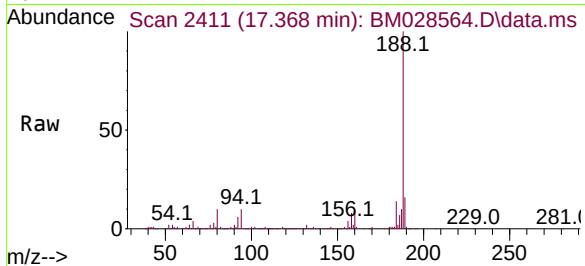




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.368 min Scan# 2411
Delta R.T. 0.005 min
Lab File: BM028564.D
Acq: 27 Jan 2021 05:13

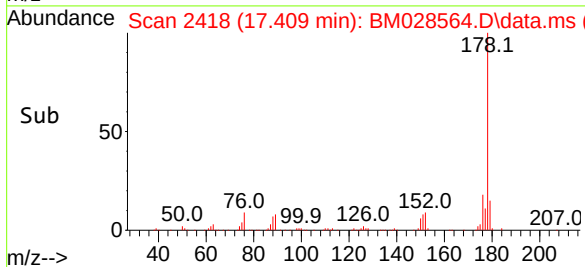
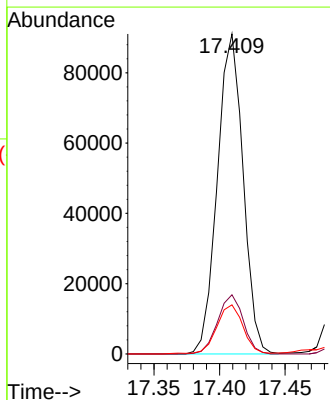
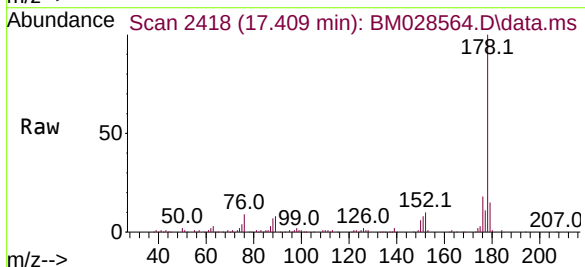
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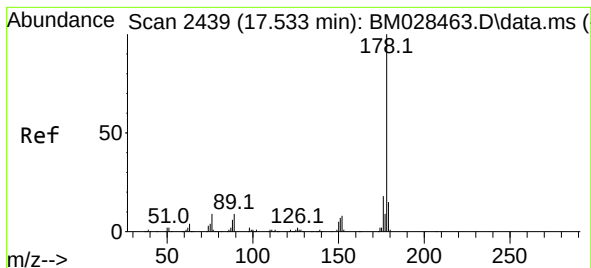
Tgt Ion:188 Resp: 141745
Ion Ratio Lower Upper
188 100
94 9.7 6.2 9.4#
80 10.3 7.5 11.3



#71
Phenanthrene
Concen: 14.25 ng
RT: 17.409 min Scan# 2418
Delta R.T. 0.005 min
Lab File: BM028564.D
Acq: 27 Jan 2021 05:13

Tgt Ion:178 Resp: 124242
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.6
179 15.4 12.2 18.4

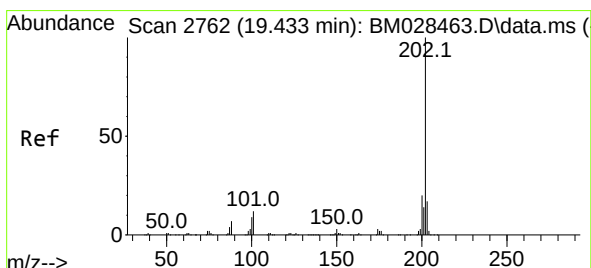
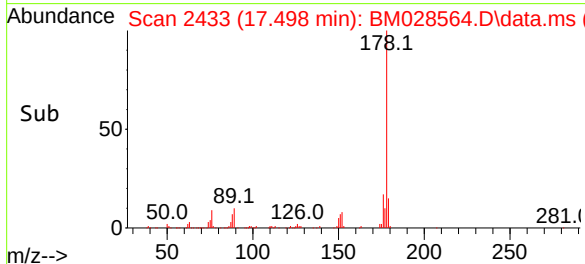
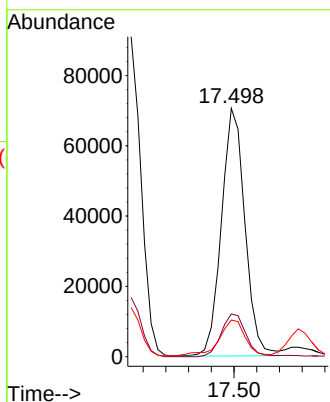
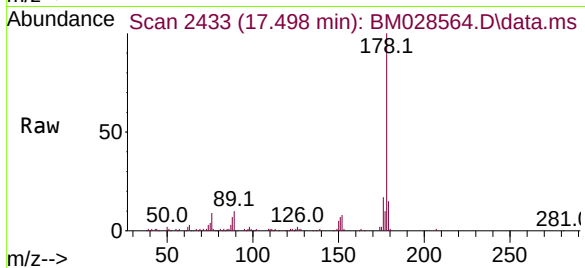




#72
 Anthracene
 Concen: 12.05 ng
 RT: 17.498 min Scan# 2433
 Delta R.T. -0.000 min
 Lab File: BM028564.D
 Acq: 27 Jan 2021 05:13

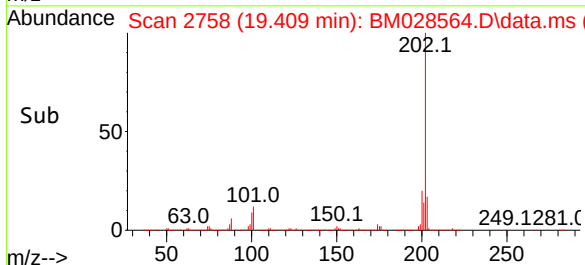
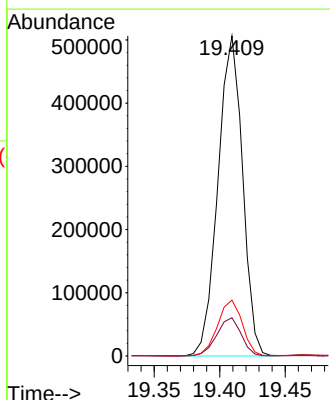
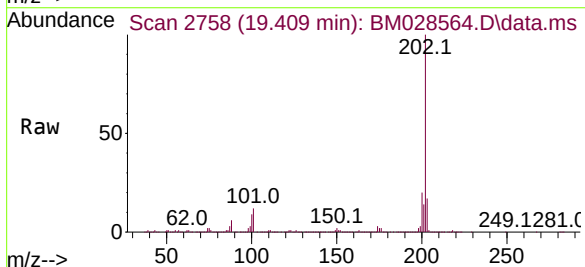
Instrument :
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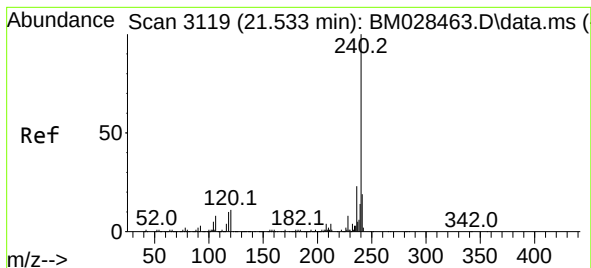
Tgt Ion:178 Resp: 101462
 Ion Ratio Lower Upper
 178 100
 176 17.2 15.0 22.4
 179 14.7 12.5 18.7



#75
 Fluoranthene
 Concen: 67.38 ng
 RT: 19.409 min Scan# 2758
 Delta R.T. 0.005 min
 Lab File: BM028564.D
 Acq: 27 Jan 2021 05:13

Tgt Ion:202 Resp: 659618
 Ion Ratio Lower Upper
 202 100
 101 11.9 0.0 28.5
 203 17.5 0.0 37.3





#76

Chrysene-d12

Concen: 20.00 ng

RT: 21.503 min Scan# 3114

Delta R.T. 0.005 min

Lab File: BM028564.D

Acq: 27 Jan 2021 05:13

Tgt Ion:240 Resp: 129955

Ion Ratio Lower Upper

240 100

120 12.0 6.4 9.6#

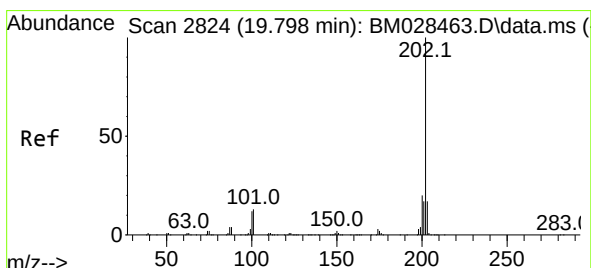
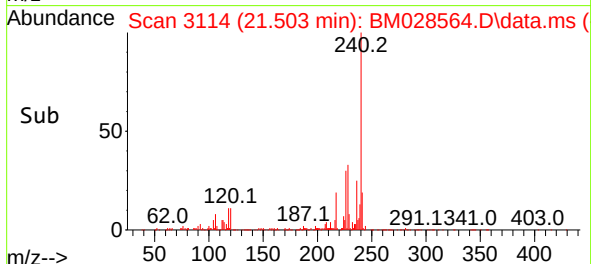
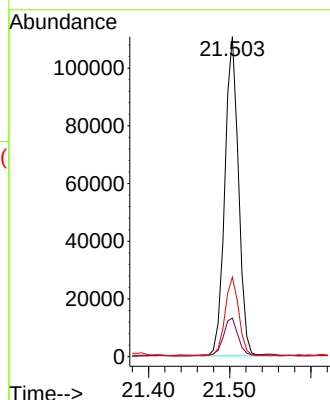
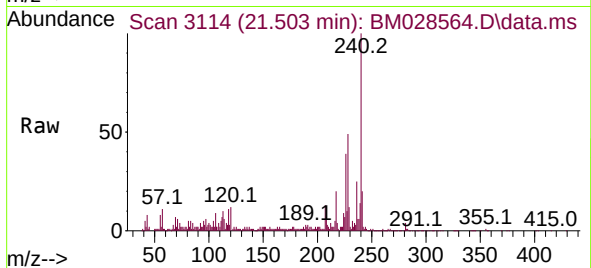
236 24.9 20.1 30.1

Instrument :

BNA_M

ClientSampleId :

HOLLAND-TUNNEL-TEST-PIT-5DL



#78

Pyrene

Concen: 63.38 ng

RT: 19.768 min Scan# 2819

Delta R.T. 0.005 min

Lab File: BM028564.D

Acq: 27 Jan 2021 05:13

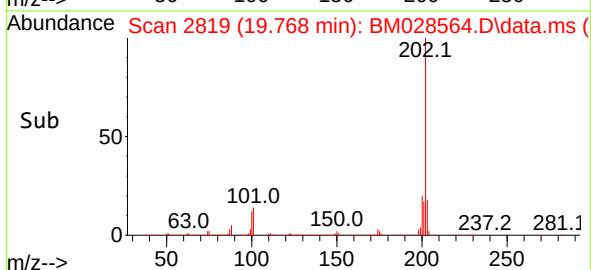
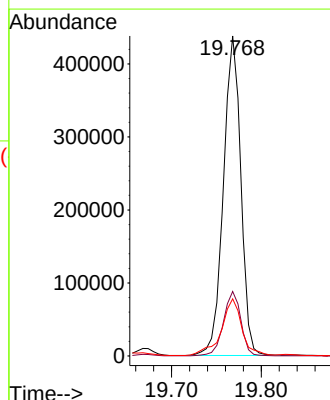
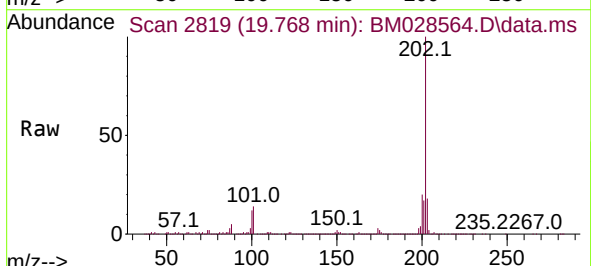
Tgt Ion:202 Resp: 590566

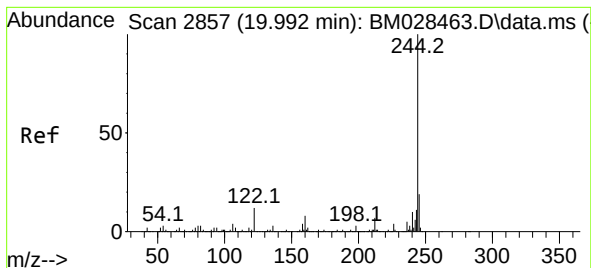
Ion Ratio Lower Upper

202 100

200 20.2 16.6 24.8

203 17.9 13.8 20.6





#79

Terphenyl-d14

Concen: 27.93 ng

RT: 19.956 min Scan# 2851

Delta R.T. -0.000 min

Lab File: BM028564.D

Acq: 27 Jan 2021 05:13

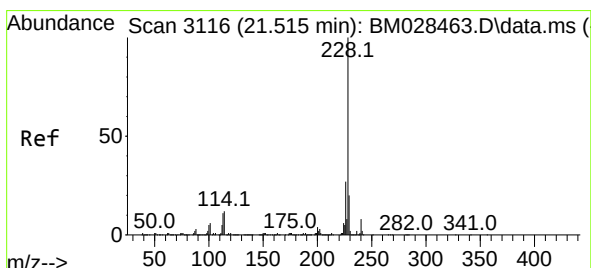
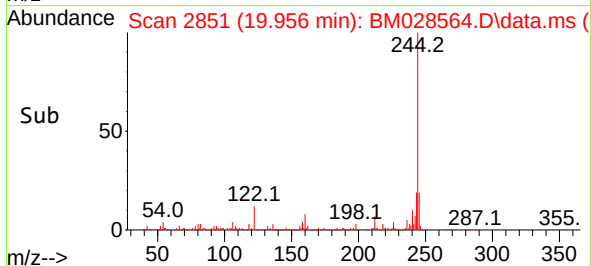
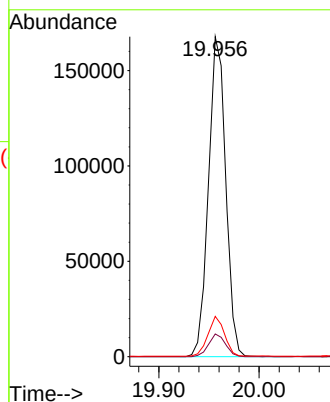
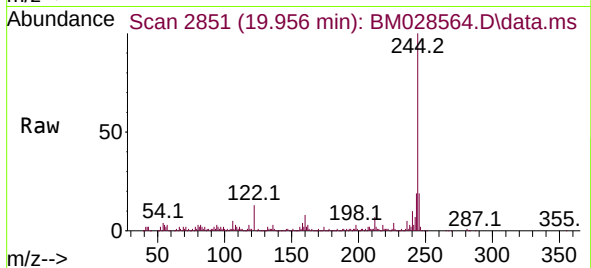
Tgt Ion:244 Resp: 201004

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

122 12.6 6.5 9.7#



#81

Benzo(a)anthracene

Concen: 44.88 ng

RT: 21.486 min Scan# 3111

Delta R.T. 0.005 min

Lab File: BM028564.D

Acq: 27 Jan 2021 05:13

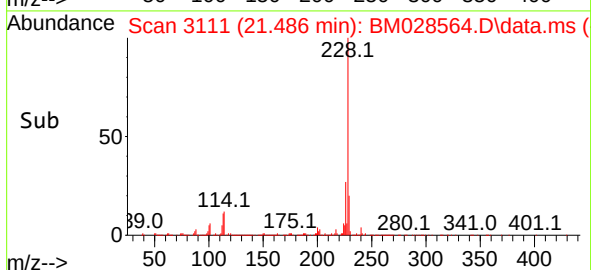
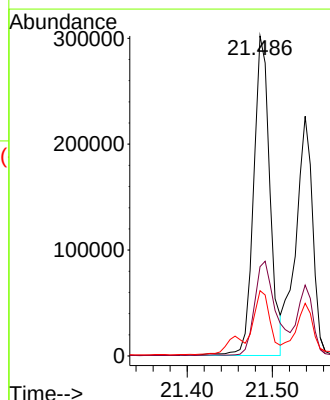
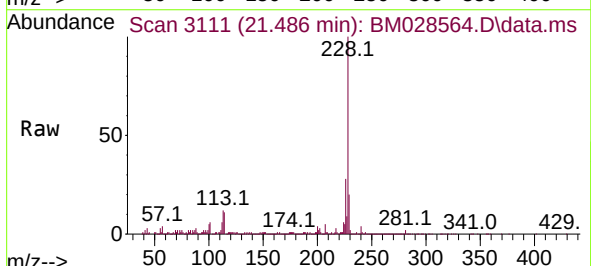
Tgt Ion:228 Resp: 402728

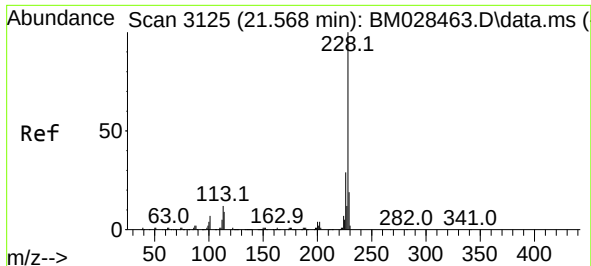
Ion Ratio Lower Upper

228 100

226 27.9 21.1 31.7

229 20.4 15.7 23.5

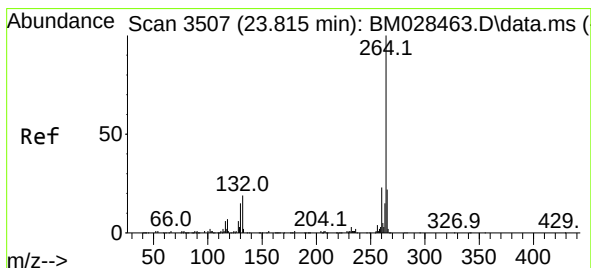
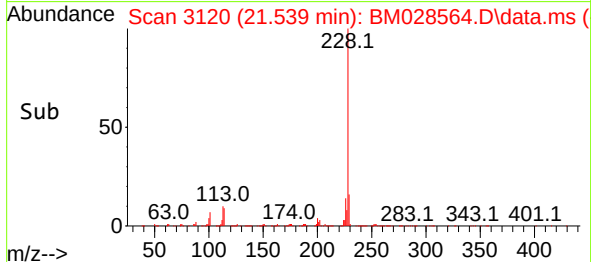
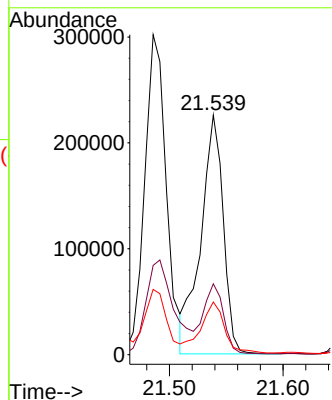
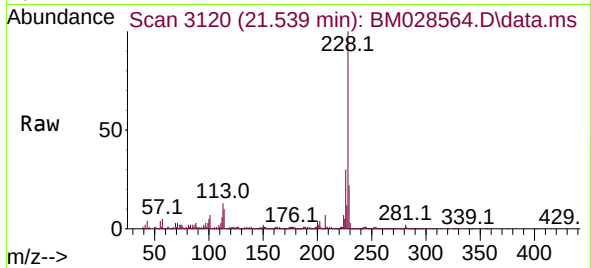




#83
Chrysene
Concen: 35.87 ng
RT: 21.539 min Scan# 3120
Delta R.T. 0.005 min
Lab File: BM028564.D
Acq: 27 Jan 2021 05:13

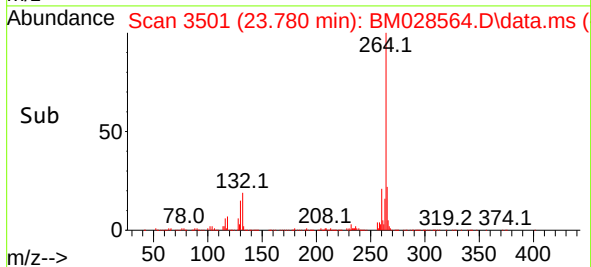
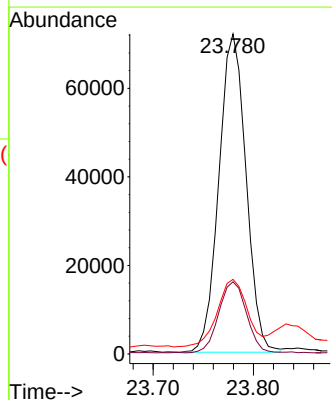
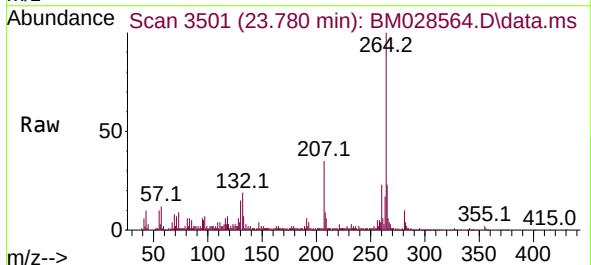
Instrument :
BNA_M
ClientSampleId :
HOLLAND-TUNNEL-TEST-PIT-5DL

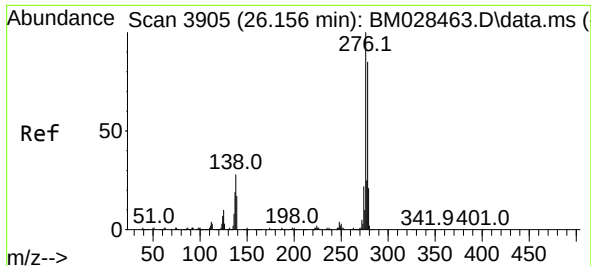
Tgt Ion:228	Resp:	310724
Ion Ratio	Lower	Upper
228	100	
226	29.6	23.4 35.0
229	22.0	15.7 23.5



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.780 min Scan# 3501
Delta R.T. 0.017 min
Lab File: BM028564.D
Acq: 27 Jan 2021 05:13

Tgt Ion:264	Resp:	135071
Ion Ratio	Lower	Upper
264	100	
260	22.6	19.0 28.4
265	23.3	17.7 26.5

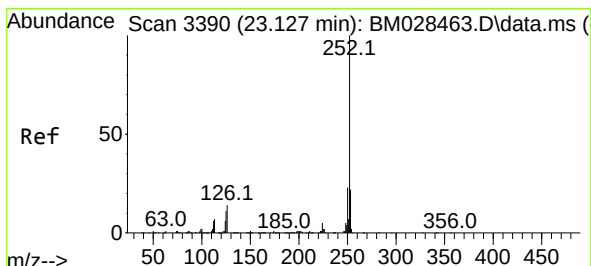
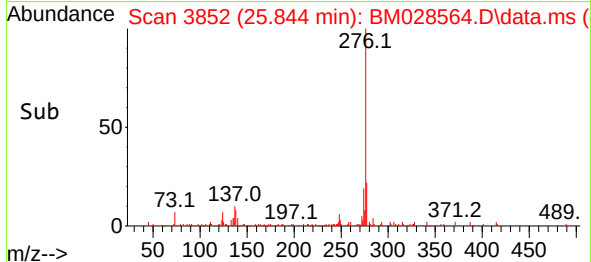
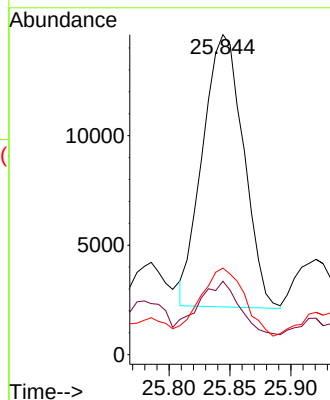
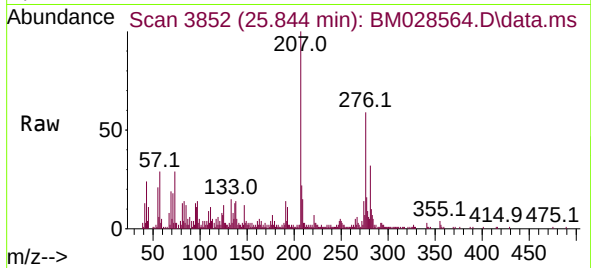




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.88 ng
RT: 25.844 min Scan# 3852
Delta R.T. -0.236 min
Lab File: BM028564.D
Acq: 27 Jan 2021 05:13

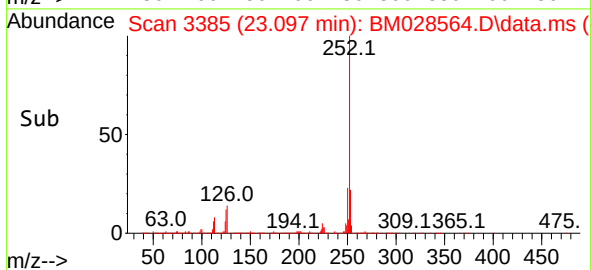
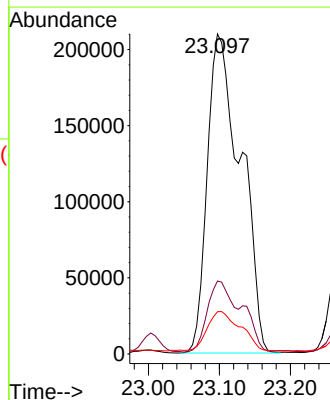
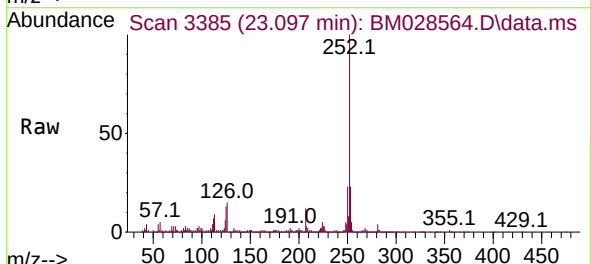
Instrument :
BNA_M
ClientSampleId :
HOLLAND-TUNNEL-TEST-PIT-5DL

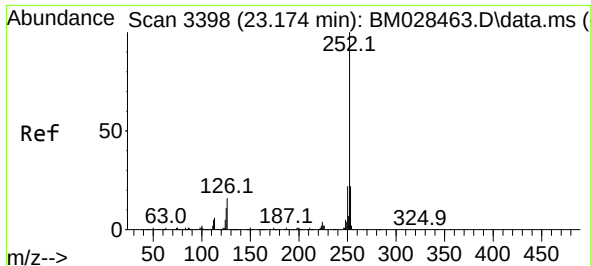
Tgt Ion:	276	Resp:	29032
Ion Ratio	Lower	Upper	
276	100		
138	18.7	14.2	21.4
277	26.1	19.8	29.8



#88
Benzo(b)fluoranthene
Concen: 74.95 ng
RT: 23.097 min Scan# 3385
Delta R.T. 0.011 min
Lab File: BM028564.D
Acq: 27 Jan 2021 05:13

Tgt Ion:	252	Resp:	687317
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.4	26.0
125	13.2	5.7	8.5#

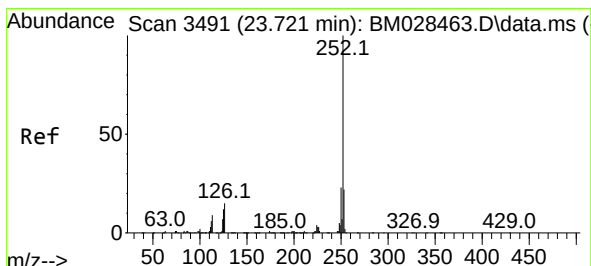
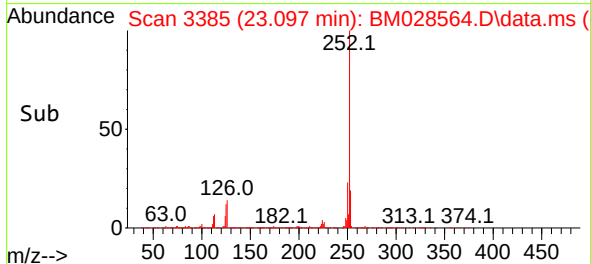
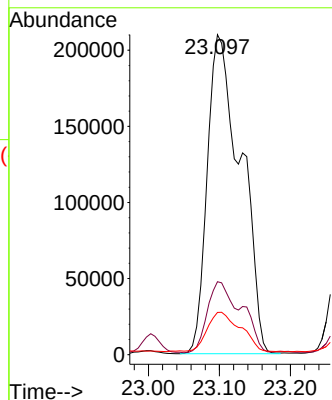
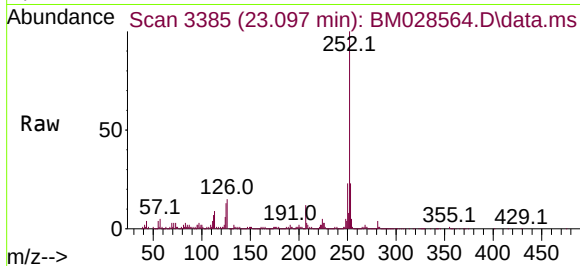




#89
Benzo(k)fluoranthene
Concen: 76.76 ng
RT: 23.097 min Scan# 3385
Delta R.T. -0.030 min
Lab File: BM028564.D
Acq: 27 Jan 2021 05:13

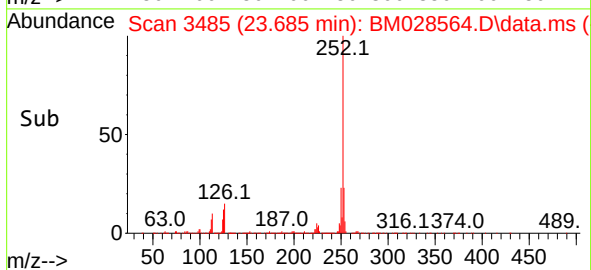
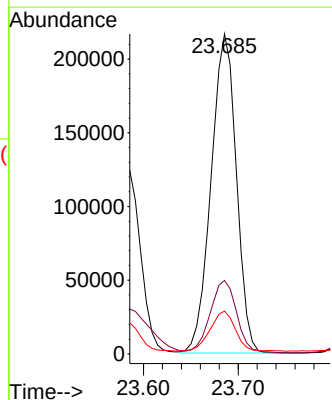
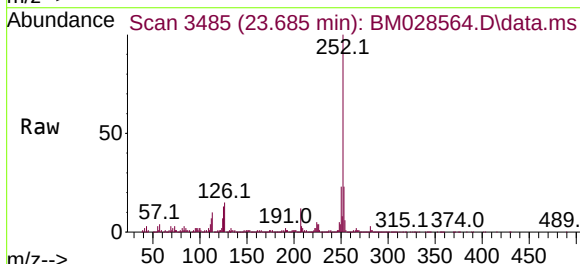
Instrument :
BNA_M
ClientSampleId :
HOLLAND-TUNNEL-TEST-PIT-5DL

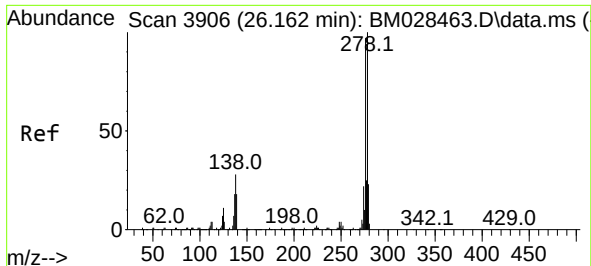
Tgt Ion:252 Resp: 687317
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.0
125 13.2 5.6 8.4#



#90
Benzo(a)pyrene
Concen: 47.23 ng
RT: 23.685 min Scan# 3485
Delta R.T. 0.017 min
Lab File: BM028564.D
Acq: 27 Jan 2021 05:13

Tgt Ion:252 Resp: 401286
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 13.4 6.6 9.8#

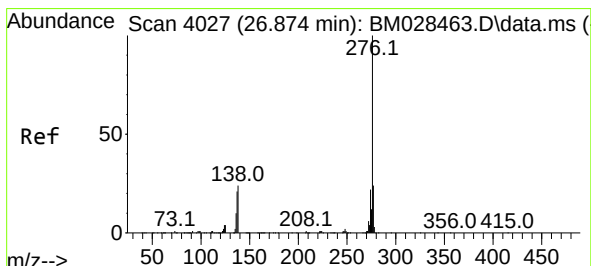
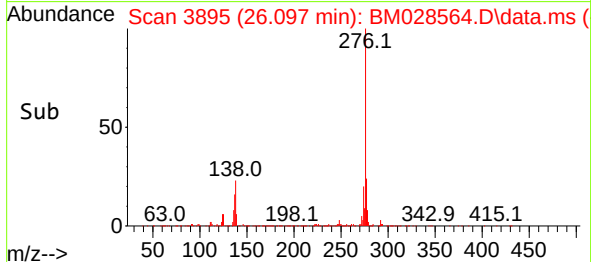
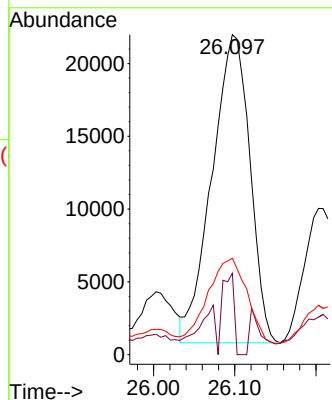
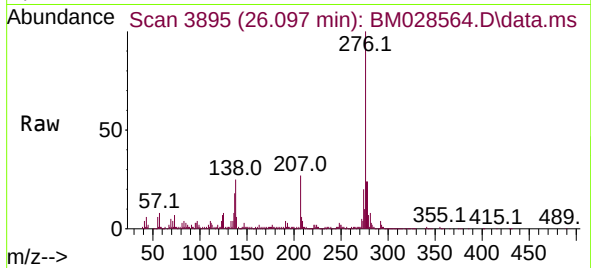




#91
Dibenzo(a,h)anthracene
Concen: 8.26 ng
RT: 26.097 min Scan# 3895
Delta R.T. 0.005 min
Lab File: BM028564.D
Acq: 27 Jan 2021 05:13

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

Tgt Ion:278 Resp: 68805
Ion Ratio Lower Upper
278 100
139 25.5 9.0 13.6#
279 30.2 19.0 28.4#



#92
Benzo(g,h,i)perylene
Concen: 28.73 ng
RT: 26.821 min Scan# 4018
Delta R.T. 0.029 min
Lab File: BM028564.D
Acq: 27 Jan 2021 05:13

Tgt Ion:276 Resp: 235250
Ion Ratio Lower Upper
276 100
277 24.6 18.6 28.0
138 23.7 12.2 18.2#

