

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041621\
 Data File : BM029531.D
 Acq On : 16 Apr 2021 20:48
 Operator : CG/JU
 Sample : M2050-03 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-8

Quant Time: Apr 16 23:21:08 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 16 11:56:50 2021
 Response via : Initial Calibration

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

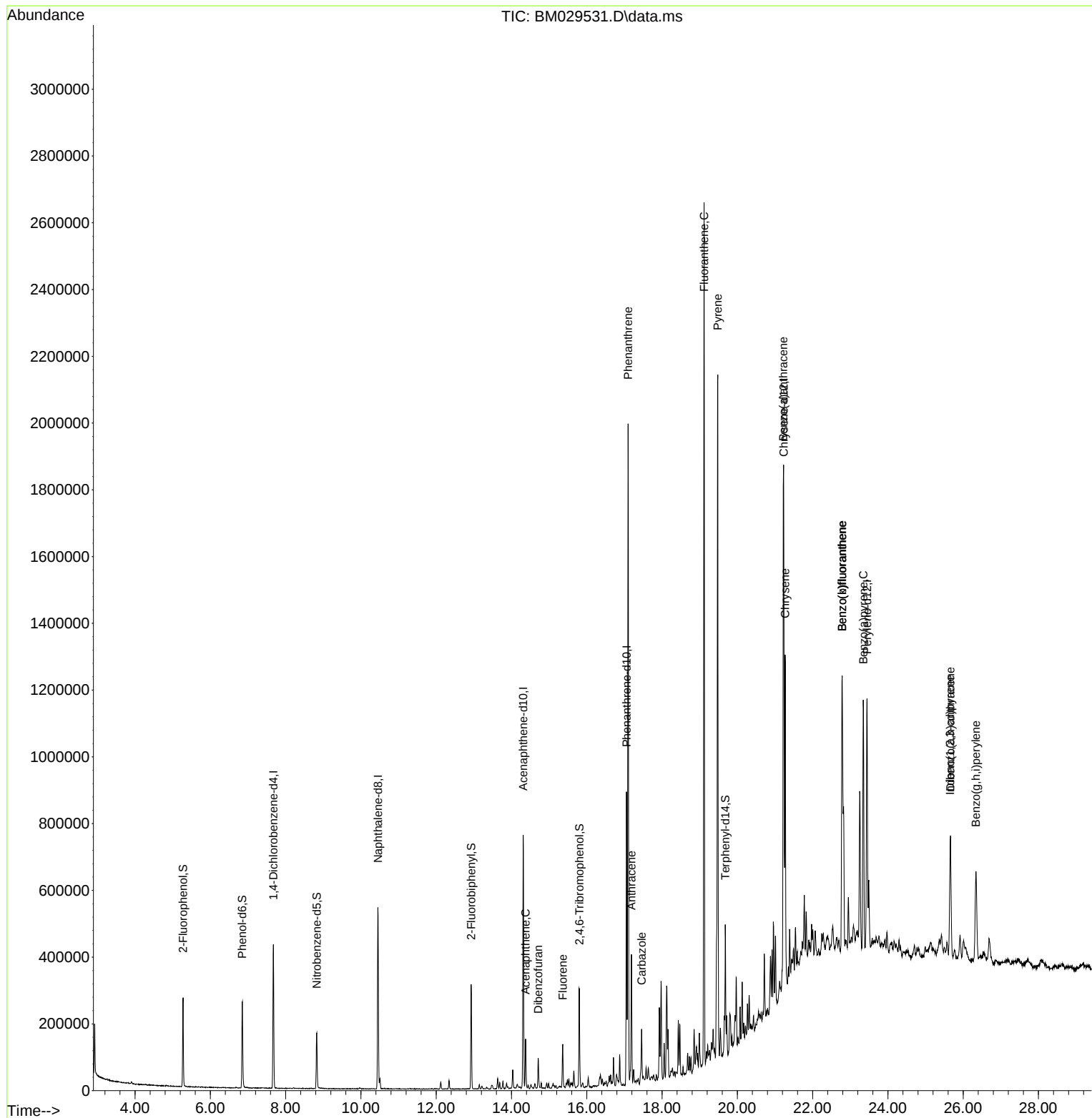
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.675	152	98799	20.00	ng	0.00
21) Naphthalene-d8	10.451	136	396448	20.00	ng	0.00
39) Acenaphthene-d10	14.310	164	223077	20.00	ng	0.00
64) Phenanthrene-d10	17.057	188	439255	20.00	ng	0.00
76) Chrysene-d12	21.233	240	423996	20.00	ng	# 0.00
86) Perylene-d12	23.445	264	438011	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.275	112	94496	15.79	ng	0.00
7) Phenol-d6	6.846	99	125305	14.83	ng	0.00
23) Nitrobenzene-d5	8.828	82	95665	11.06	ng	0.00
42) 2,4,6-Tribromophenol	15.804	330	31224	14.00	ng	0.00
45) 2-Fluorobiphenyl	12.928	172	141583	8.84	ng	0.00
79) Terphenyl-d14	19.680	244	134757	6.04	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.374	154	46013	3.57	ng	98
55) Dibenzofuran	14.710	168	41261	2.04	ng	95
58) Fluorene	15.363	166	49499	2.99	ng	96
71) Phenanthrene	17.098	178	1034721	40.73	ng	99
72) Anthracene	17.186	178	214644	8.56	ng	98
73) Carbazole	17.457	167	82355	3.36	ng	97
75) Fluoranthene	19.115	202	1304176	46.08	ng	99
78) Pyrene	19.480	202	1157500	39.29	ng	100
81) Benzo(a)anthracene	21.221	228	544576	19.25	ng	98
83) Chrysene	21.274	228	456895	16.49	ng	97
87) Indeno(1,2,3-cd)pyrene	25.656	276	297149	9.20	ng	97
88) Benzo(b)fluoranthene	22.786	252	789158	27.44	ng	97
89) Benzo(k)fluoranthene	22.786	252	789158	28.69	ng	# 97
90) Benzo(a)pyrene	23.350	252	449834	17.10	ng	97
91) Dibenzo(a,h)anthracene	25.662	278	73035	2.63	ng	# 86
92) Benzo(g,h,i)perylene	26.338	276	280526	10.50	ng	97

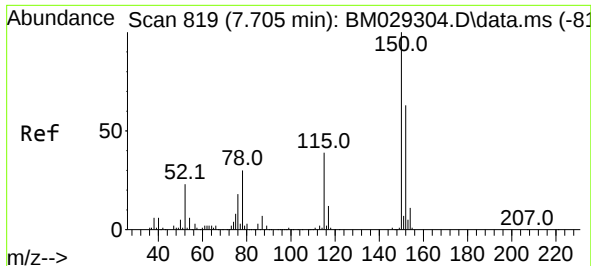
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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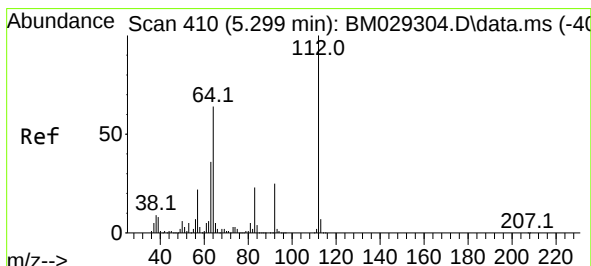
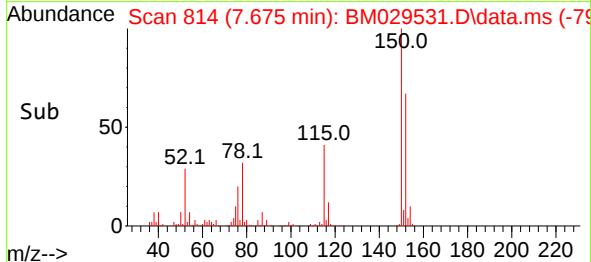
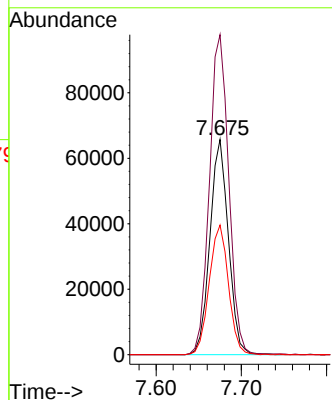
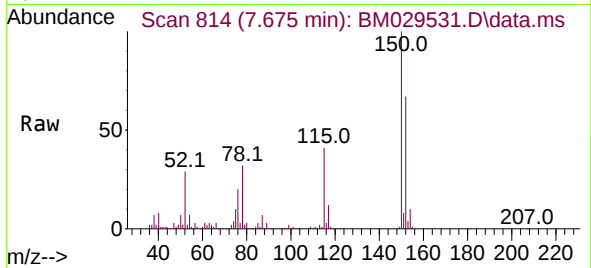




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.675 min Scan# 814
Delta R.T. -0.000 min
Lab File: BM029531.D
Acq: 16 Apr 2021 20:48

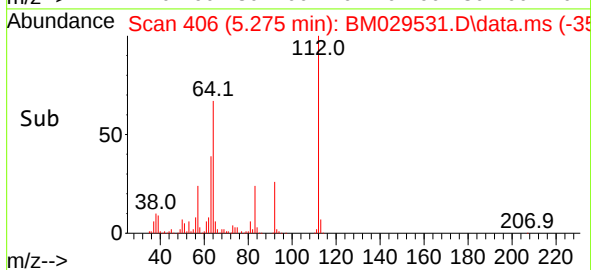
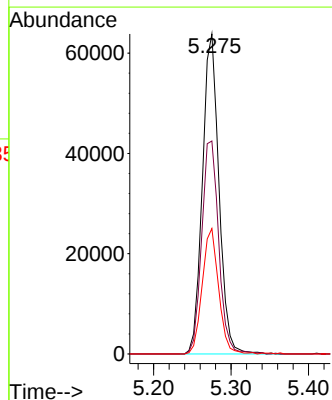
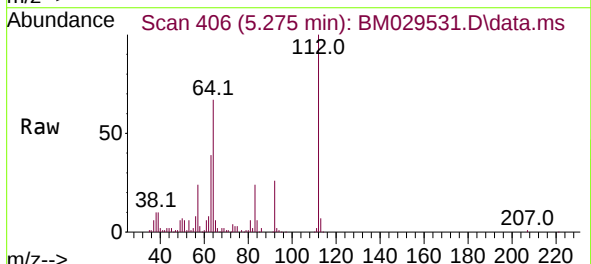
Instrument :
BNA_M
ClientSampled :
TP-8

Tgt Ion:152 Resp: 98799
Ion Ratio Lower Upper
152 100
150 148.7 124.3 186.5
115 60.3 46.4 69.6



#5
2-Fluorophenol
Concen: 15.79 ng
RT: 5.275 min Scan# 406
Delta R.T. 0.006 min
Lab File: BM029531.D
Acq: 16 Apr 2021 20:48

Tgt Ion:112 Resp: 94496
Ion Ratio Lower Upper
112 100
64 66.6 51.6 77.4
63 39.2 29.0 43.4

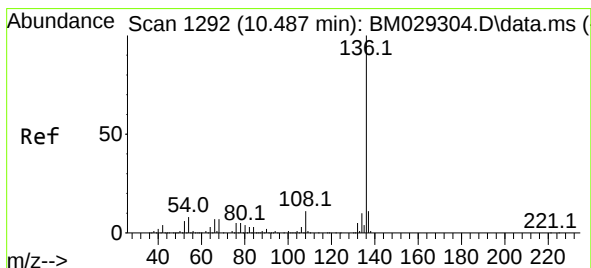
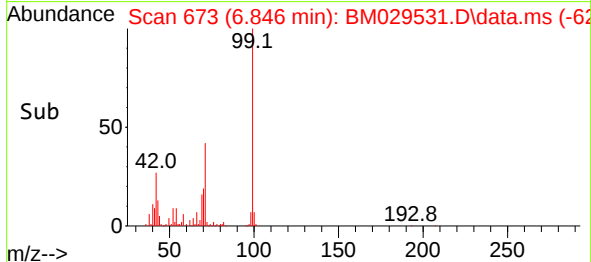
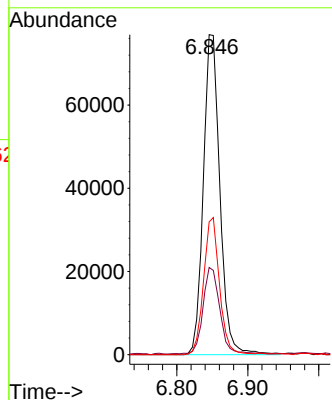
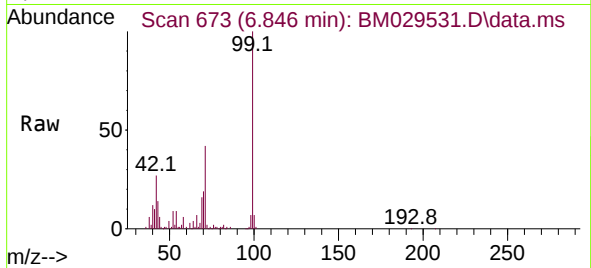




#7
Phenol-d6
Concen: 14.83 ng
RT: 6.846 min Scan# 673
Delta R.T. -0.006 min
Lab File: BM029531.D
Acq: 16 Apr 2021 20:48

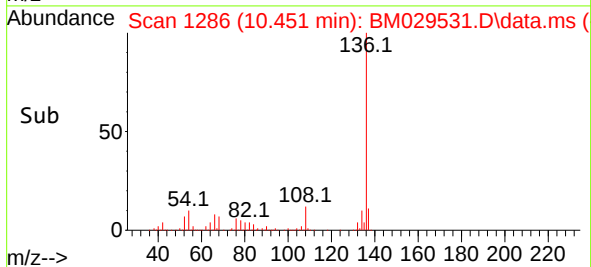
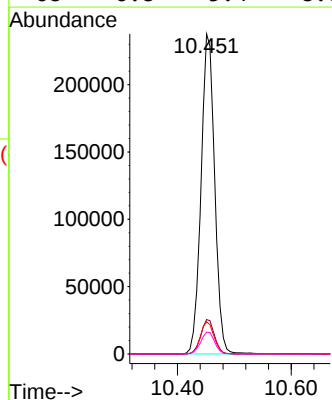
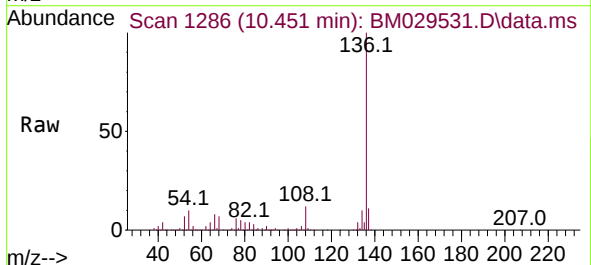
Instrument :
BNA_M
ClientSampled :
TP-8

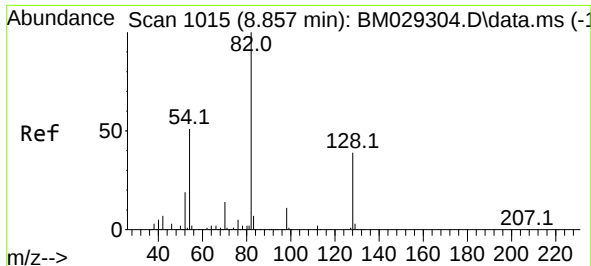
Tgt Ion: 99 Resp: 125305
Ion Ratio Lower Upper
99 100
42 27.3 18.5 27.7
71 41.5 31.8 47.6



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.451 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BM029531.D
Acq: 16 Apr 2021 20:48

Tgt Ion: 136 Resp: 396448
Ion Ratio Lower Upper
136 100
137 10.7 9.3 13.9
54 10.1 6.9 10.3
68 6.8 5.4 8.0

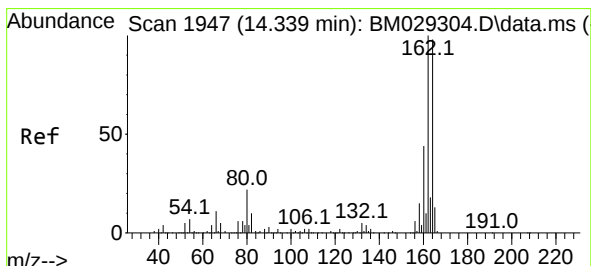
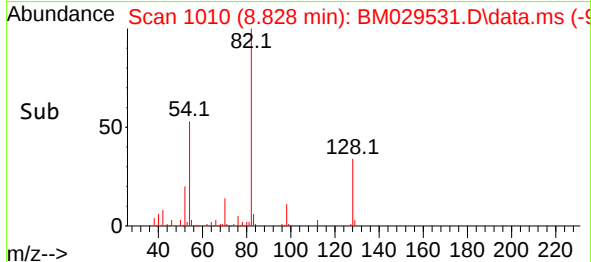
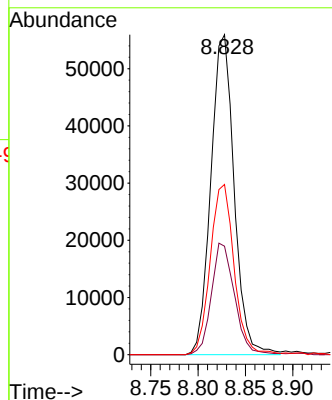
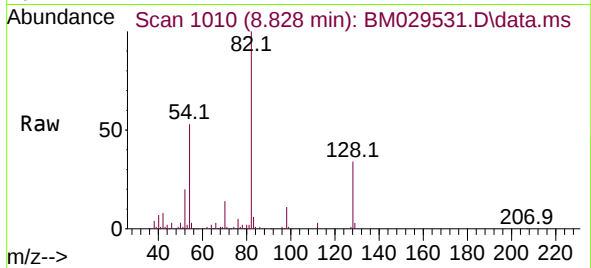




#23
Nitrobenzene-d5
Concen: 11.06 ng
RT: 8.828 min Scan# 1010
Delta R.T. 0.000 min
Lab File: BM029531.D
Acq: 16 Apr 2021 20:48

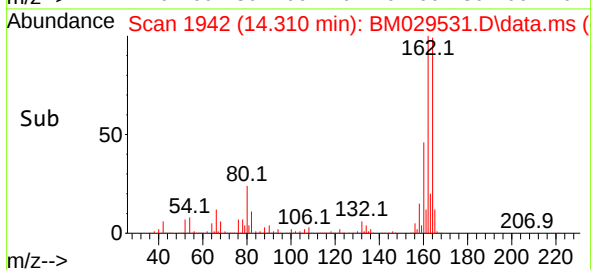
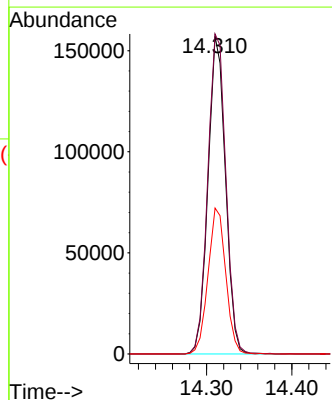
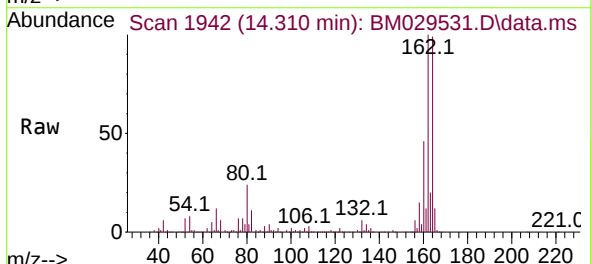
Instrument :
BNA_M
ClientSampled :
TP-8

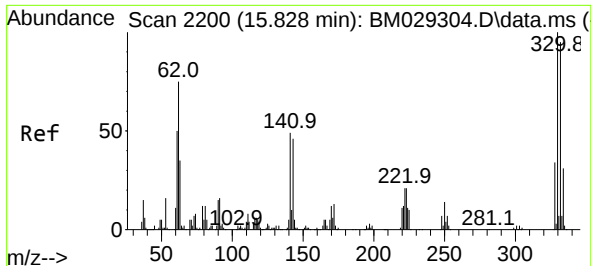
Tgt Ion: 82 Resp: 95665
Ion Ratio Lower Upper
82 100
128 33.9 28.6 42.8
54 53.2 40.7 61.1



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.310 min Scan# 1942
Delta R.T. -0.006 min
Lab File: BM029531.D
Acq: 16 Apr 2021 20:48

Tgt Ion:164 Resp: 223077
Ion Ratio Lower Upper
164 100
162 100.7 84.4 126.6
160 45.9 36.6 54.8

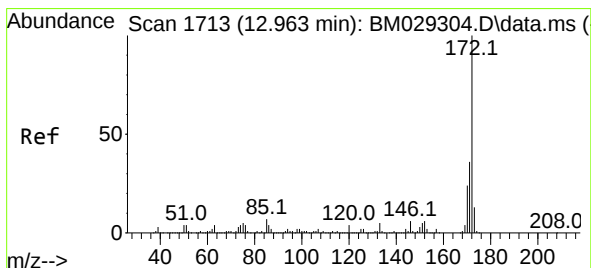
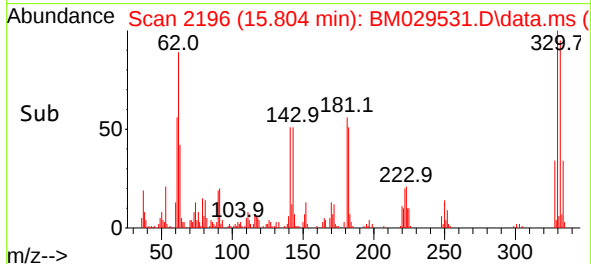
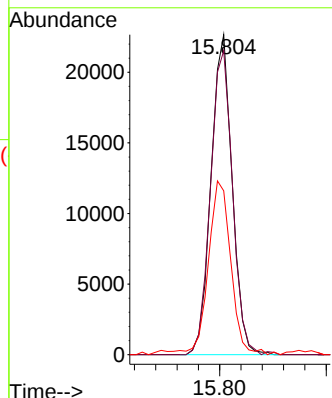
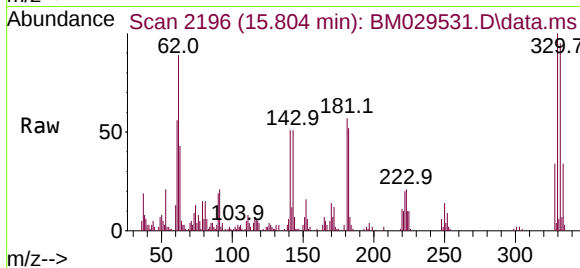




#42
2,4,6-Tribromophenol
Concen: 14.00 ng
RT: 15.804 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BM029531.D
Acq: 16 Apr 2021 20:48

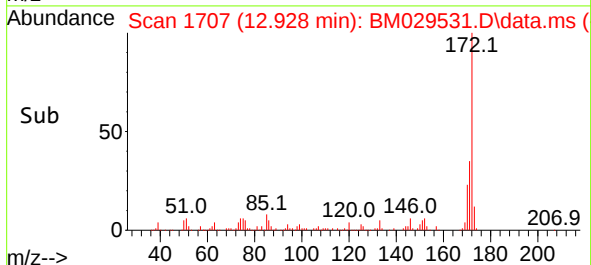
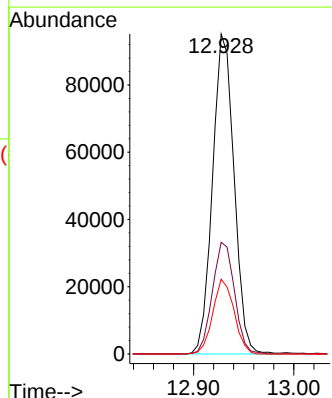
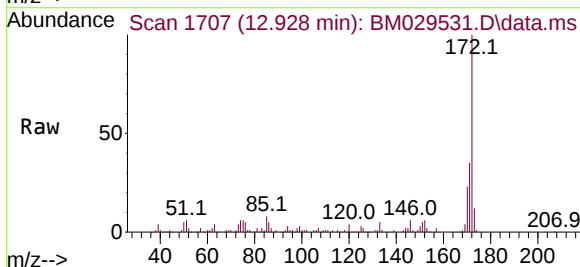
Instrument :
BNA_M
ClientSampled :
TP-8

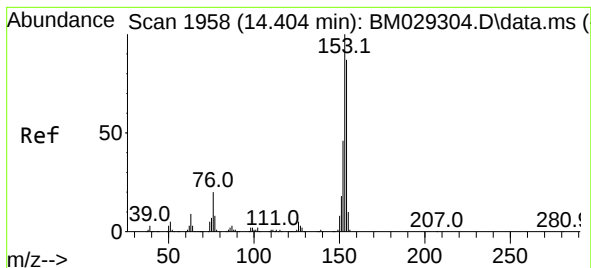
Tgt Ion:330 Resp: 31224
Ion Ratio Lower Upper
330 100
332 99.2 77.1 115.7
141 57.8 39.2 58.8



#45
2-Fluorobiphenyl
Concen: 8.84 ng
RT: 12.928 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BM029531.D
Acq: 16 Apr 2021 20:48

Tgt Ion:172 Resp: 141583
Ion Ratio Lower Upper
172 100
171 34.9 28.7 43.1
170 23.3 18.8 28.2

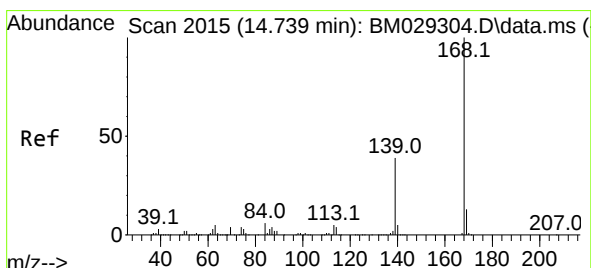
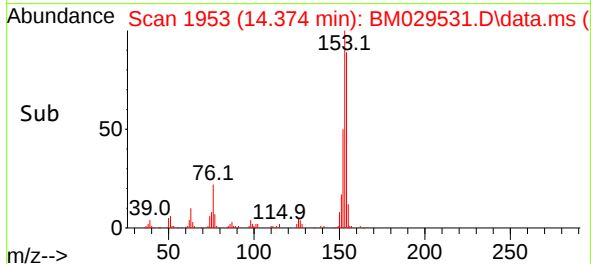
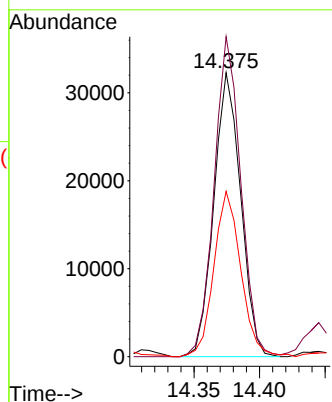
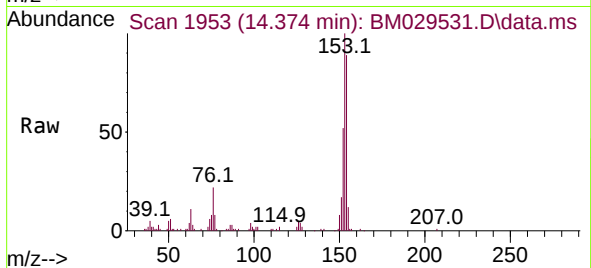




#52
Acenaphthene
Concen: 3.57 ng
RT: 14.374 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BM029531.D
Acq: 16 Apr 2021 20:48

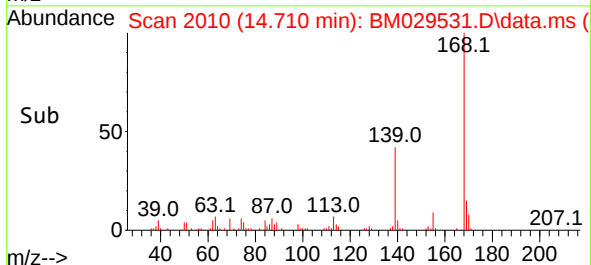
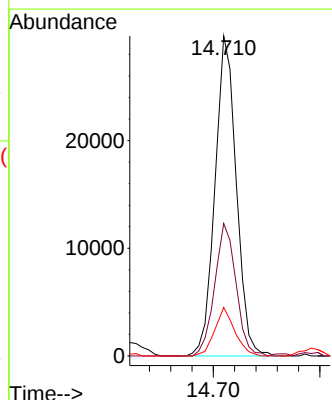
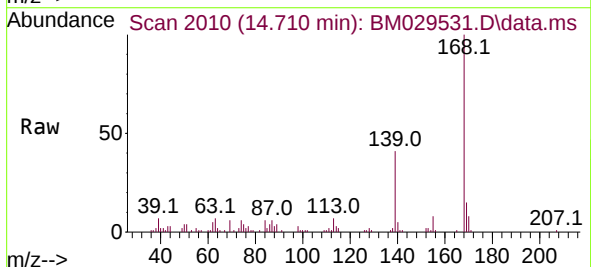
Instrument :
BNA_M
ClientSampleId :
TP-8

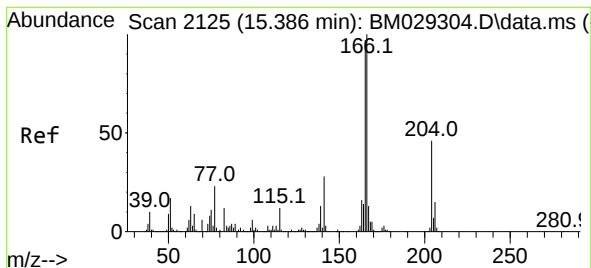
Tgt Ion:154 Resp: 46013
Ion Ratio Lower Upper
154 100
153 112.7 90.5 135.7
152 58.2 43.4 65.2



#55
Dibenzofuran
Concen: 2.04 ng
RT: 14.710 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BM029531.D
Acq: 16 Apr 2021 20:48

Tgt Ion:168 Resp: 41261
Ion Ratio Lower Upper
168 100
139 41.4 30.6 46.0
169 15.2 10.2 15.4





#58

Fluorene

Concen: 2.99 ng

RT: 15.363 min Scan# 2121

Delta R.T. 0.000 min

Lab File: BM029531.D

Acq: 16 Apr 2021 20:48

Tgt Ion:166 Resp: 49499

Ion Ratio Lower Upper

166 100

165 103.9 79.6 119.4

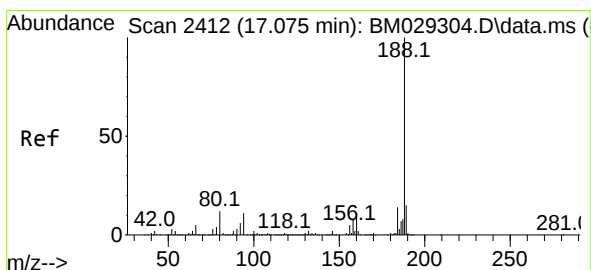
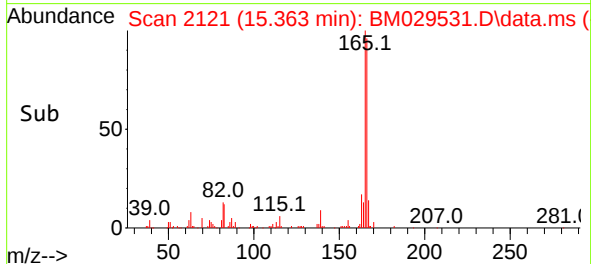
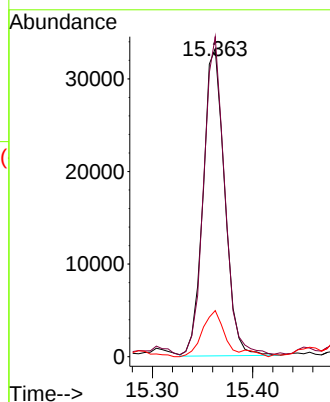
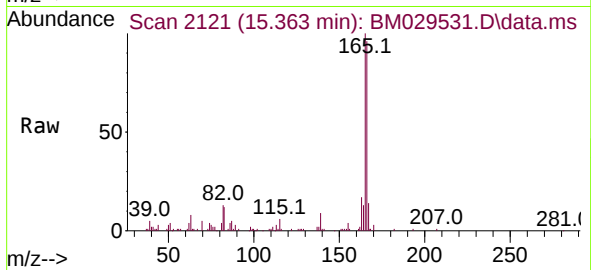
167 15.0 11.0 16.6

Instrument :

BNA_M

ClientSampleId :

TP-8



#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.057 min Scan# 2409

Delta R.T. 0.000 min

Lab File: BM029531.D

Acq: 16 Apr 2021 20:48

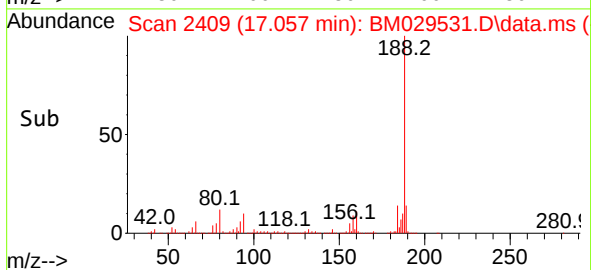
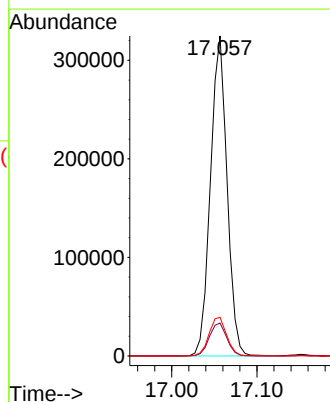
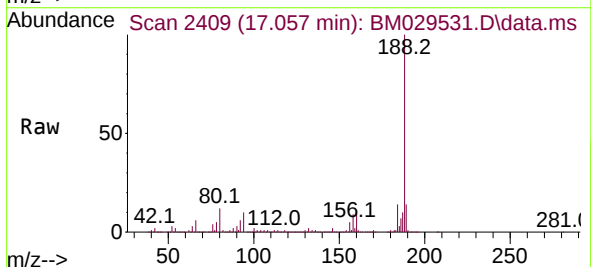
Tgt Ion:188 Resp: 439255

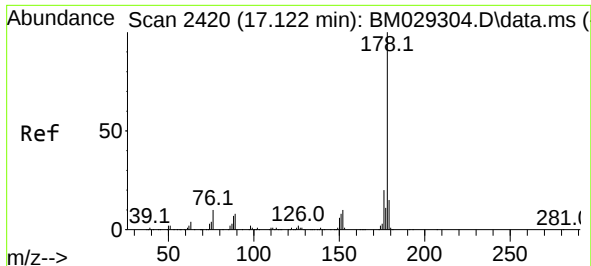
Ion Ratio Lower Upper

188 100

94 10.3 8.1 12.1

80 12.1 9.2 13.8

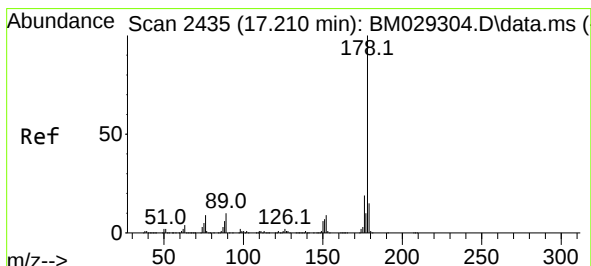
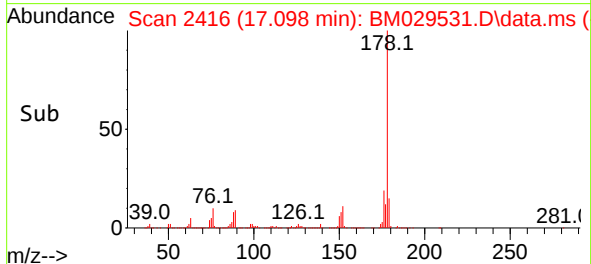
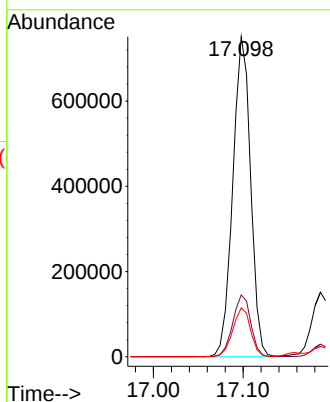
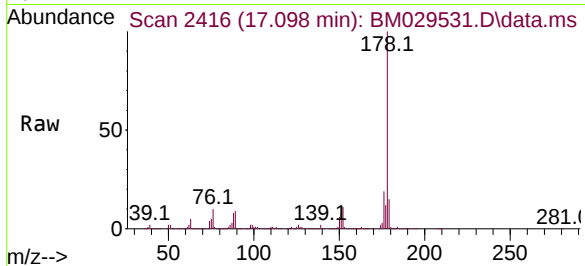




#71
Phenanthrene
Concen: 40.73 ng
RT: 17.098 min Scan# 2416
Delta R.T. 0.000 min
Lab File: BM029531.D
Acq: 16 Apr 2021 20:48

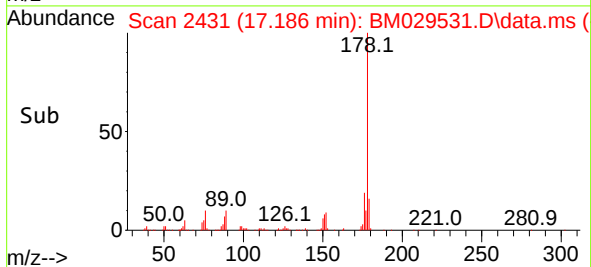
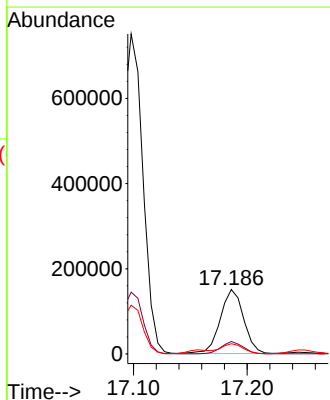
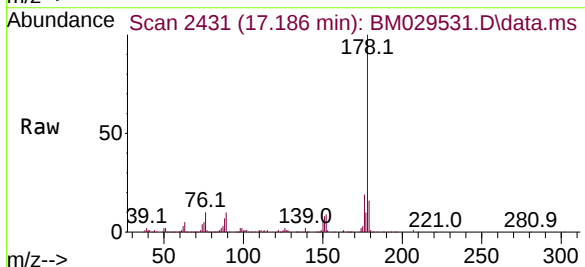
Instrument :
BNA_M
ClientSampled :
TP-8

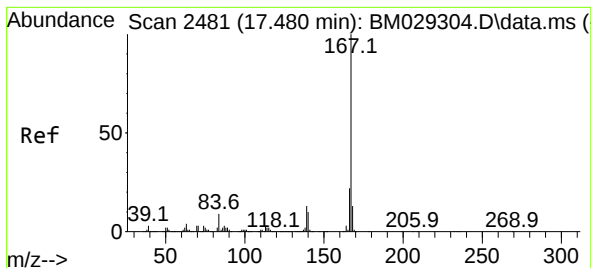
Tgt Ion:178 Resp: 1034721
Ion Ratio Lower Upper
178 100
176 19.3 15.7 23.5
179 15.2 11.9 17.9



#72
Anthracene
Concen: 8.56 ng
RT: 17.186 min Scan# 2431
Delta R.T. -0.006 min
Lab File: BM029531.D
Acq: 16 Apr 2021 20:48

Tgt Ion:178 Resp: 214644
Ion Ratio Lower Upper
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176 19.4 14.9 22.3
179 16.0 12.1 18.1

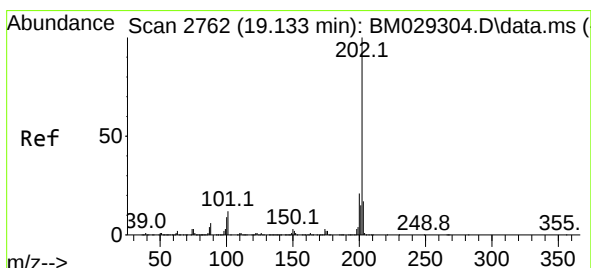
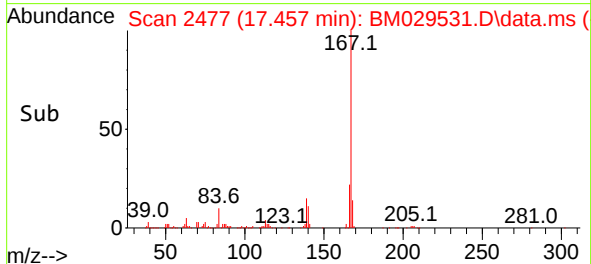
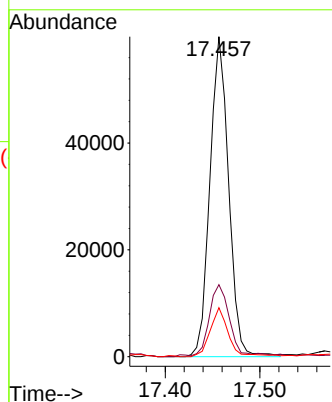
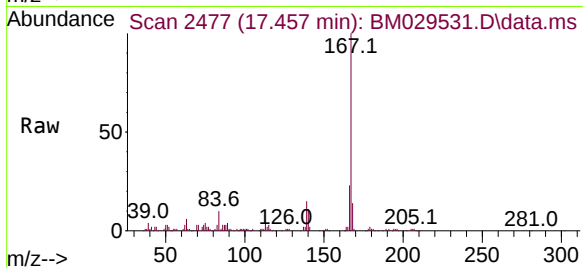




#73
 Carbazole
 Concen: 3.36 ng
 RT: 17.457 min Scan# 2477
 Delta R.T. 0.000 min
 Lab File: BM029531.D
 Acq: 16 Apr 2021 20:48

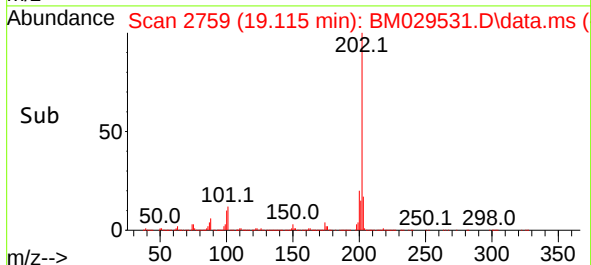
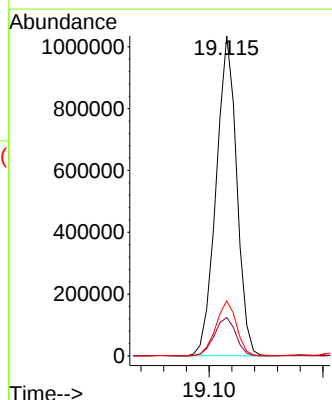
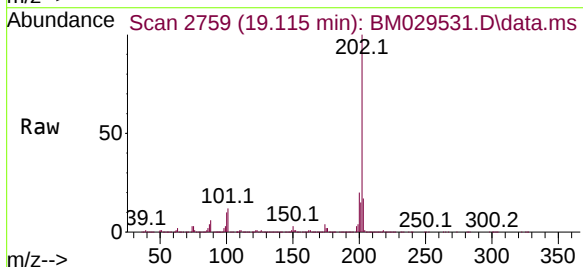
Instrument :
 BNA_M
 ClientSampled :
 TP-8

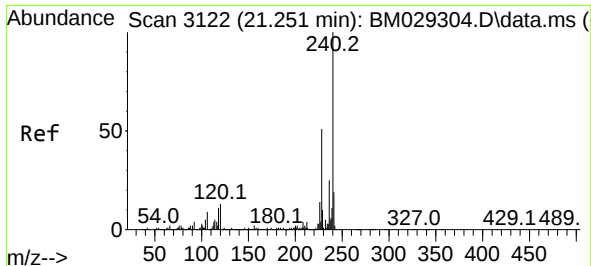
Tgt Ion:167	Resp:	82355
Ion Ratio	Lower	Upper
167	100	
166	22.5	17.5 26.3
139	15.3	10.6 15.8



#75
 Fluoranthene
 Concen: 46.08 ng
 RT: 19.115 min Scan# 2759
 Delta R.T. 0.000 min
 Lab File: BM029531.D
 Acq: 16 Apr 2021 20:48

Tgt Ion:202	Resp:	1304176
Ion Ratio	Lower	Upper
202	100	
101	12.0	0.0 31.5
203	17.2	0.0 37.7

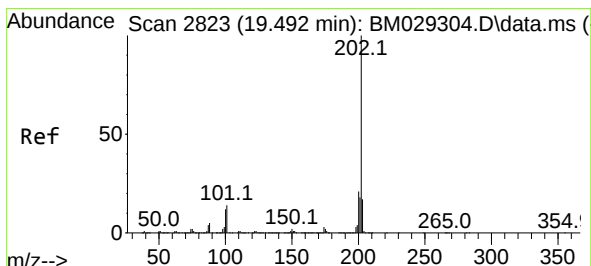
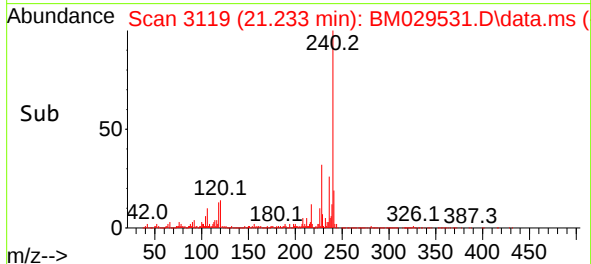
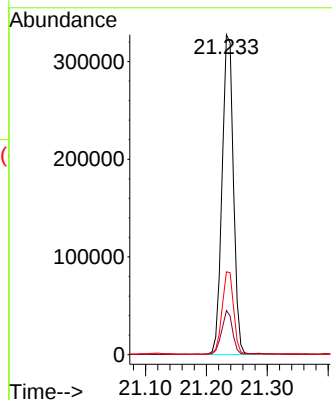
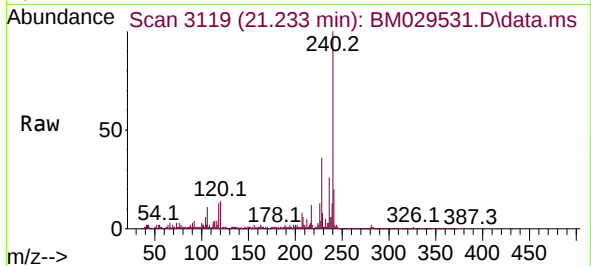




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.233 min Scan# 3119
Delta R.T. 0.000 min
Lab File: BM029531.D
Acq: 16 Apr 2021 20:48

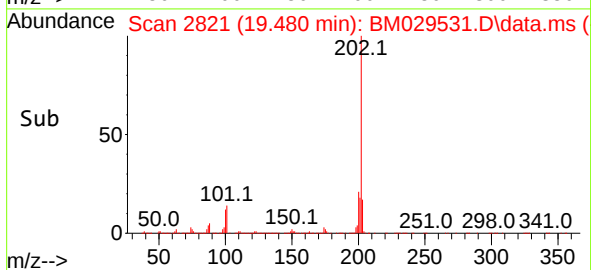
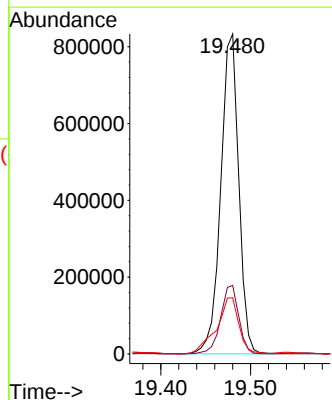
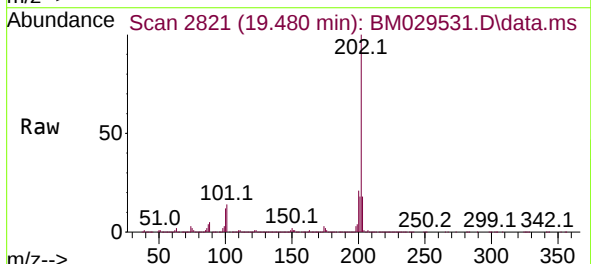
Instrument :
BNA_M
ClientSampled :
TP-8

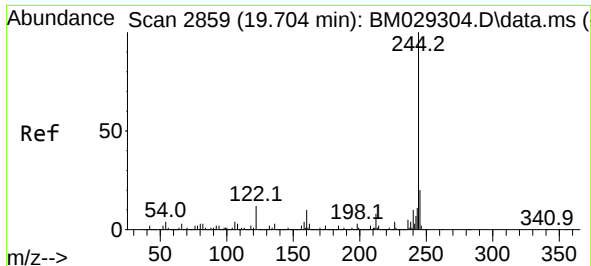
Tgt Ion:240 Resp: 423996
Ion Ratio Lower Upper
240 100
120 13.8 9.0 13.6#
236 25.9 20.3 30.5



#78
Pyrene
Concen: 39.29 ng
RT: 19.480 min Scan# 2821
Delta R.T. 0.006 min
Lab File: BM029531.D
Acq: 16 Apr 2021 20:48

Tgt Ion:202 Resp: 1157500
Ion Ratio Lower Upper
202 100
200 21.4 17.0 25.6
203 17.5 14.1 21.1

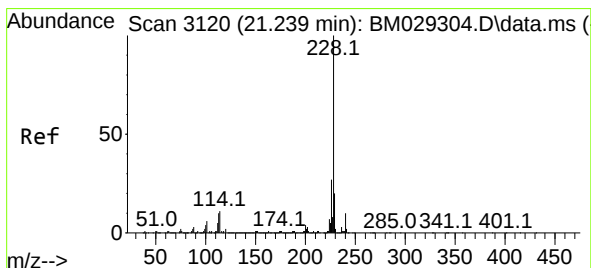
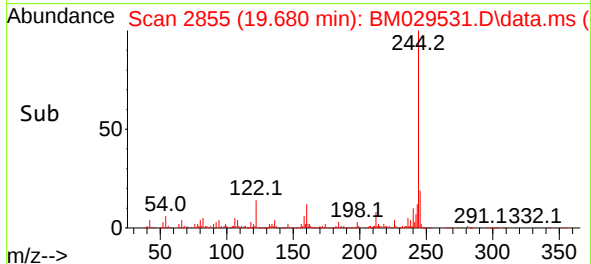
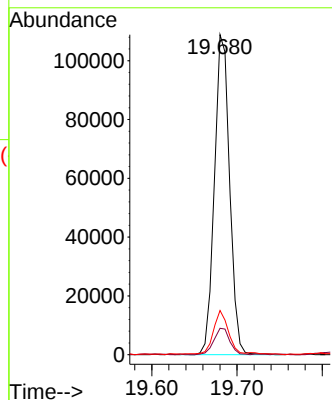
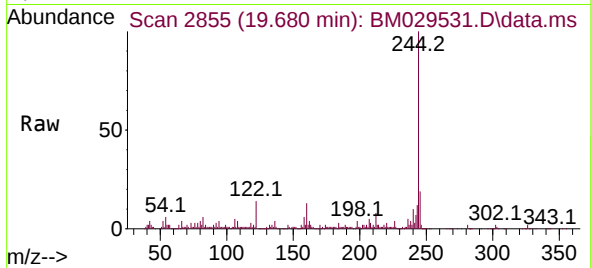




#79
Terphenyl-d14
Concen: 6.04 ng
RT: 19.680 min Scan# 2855
Delta R.T. -0.006 min
Lab File: BM029531.D
Acq: 16 Apr 2021 20:48

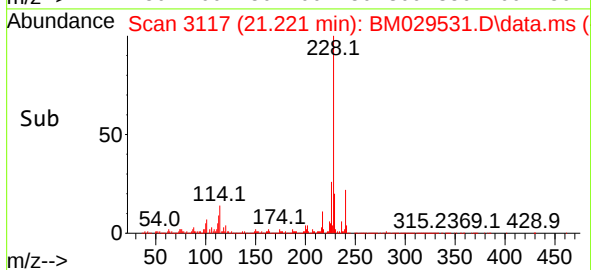
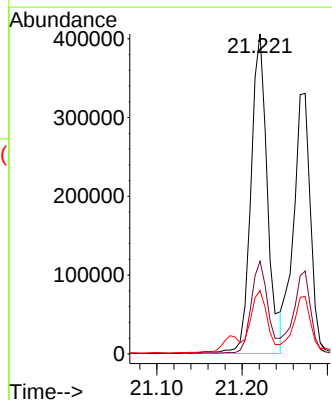
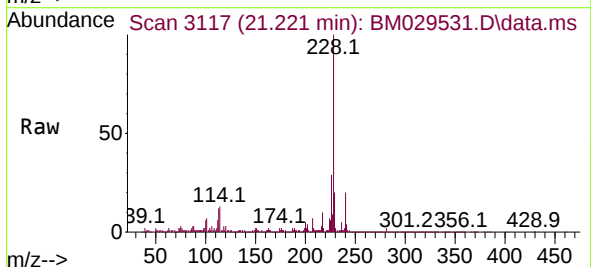
Instrument :
BNA_M
ClientSampleId :
TP-8

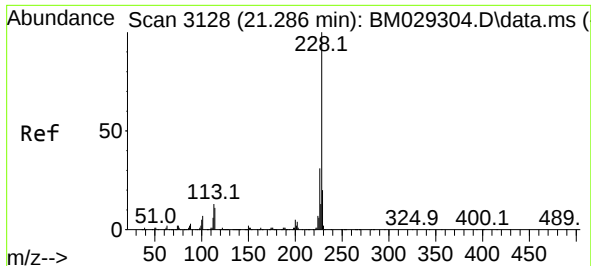
Tgt Ion:244 Resp: 134757
Ion Ratio Lower Upper
244 100
212 8.2 6.5 9.7
122 13.8 9.2 13.8



#81
Benzo(a)anthracene
Concen: 19.25 ng
RT: 21.221 min Scan# 3117
Delta R.T. 0.000 min
Lab File: BM029531.D
Acq: 16 Apr 2021 20:48

Tgt Ion:228 Resp: 544576
Ion Ratio Lower Upper
228 100
226 29.0 21.9 32.9
229 19.9 15.7 23.5

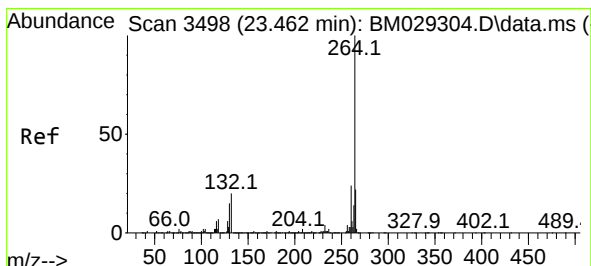
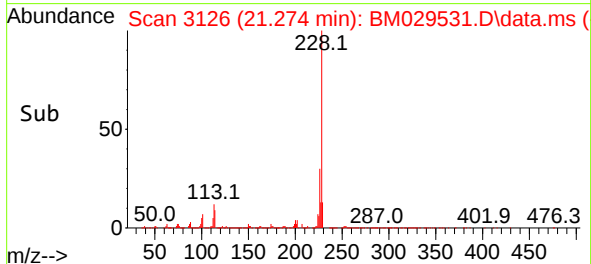
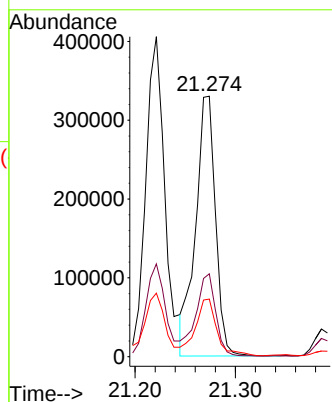
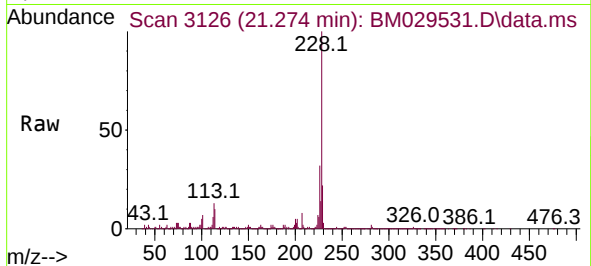




#83
Chrysene
Concen: 16.49 ng
RT: 21.274 min Scan# 3126
Delta R.T. 0.000 min
Lab File: BM029531.D
Acq: 16 Apr 2021 20:48

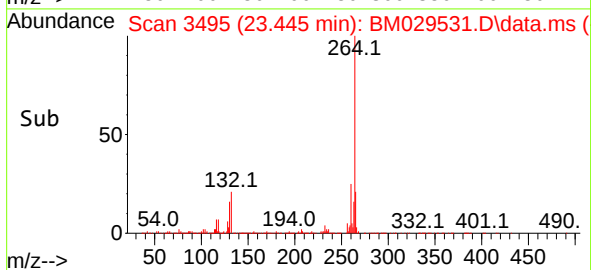
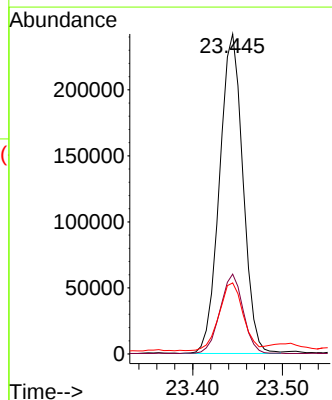
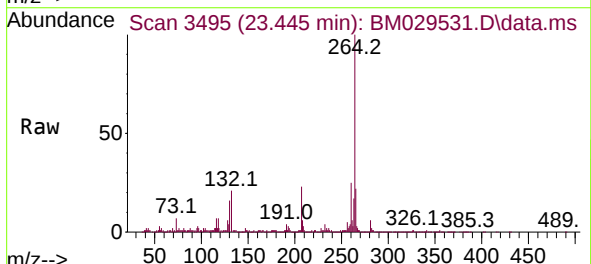
Instrument :
BNA_M
ClientSampled :
TP-8

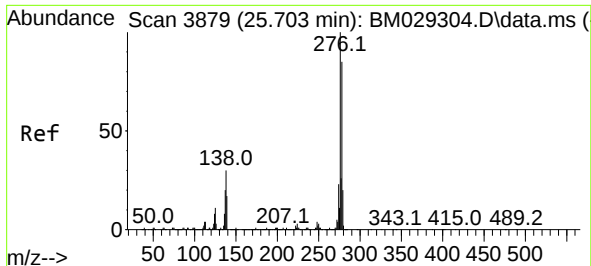
Tgt Ion:228 Resp: 456895
Ion Ratio Lower Upper
228 100
226 31.8 24.7 37.1
229 22.1 15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.445 min Scan# 3495
Delta R.T. 0.006 min
Lab File: BM029531.D
Acq: 16 Apr 2021 20:48

Tgt Ion:264 Resp: 438011
Ion Ratio Lower Upper
264 100
260 25.0 19.6 29.4
265 22.2 17.8 26.8

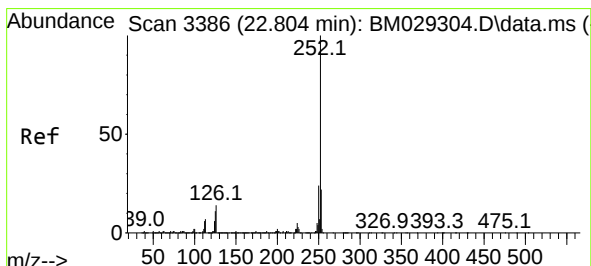
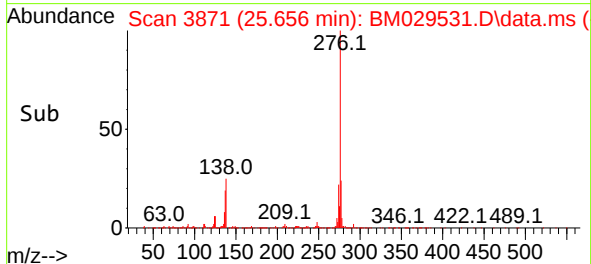
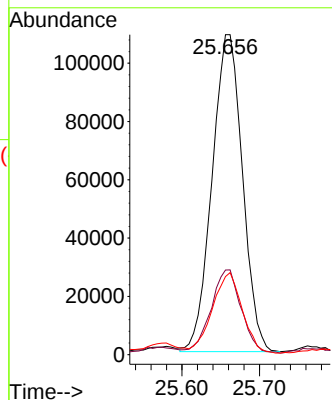
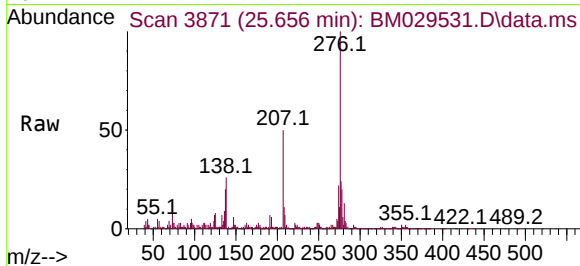




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.20 ng
RT: 25.656 min Scan# 3871
Delta R.T. -0.012 min
Lab File: BM029531.D
Acq: 16 Apr 2021 20:48

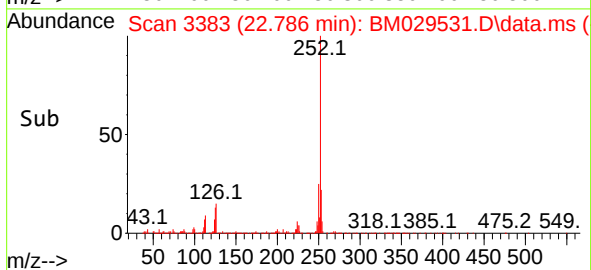
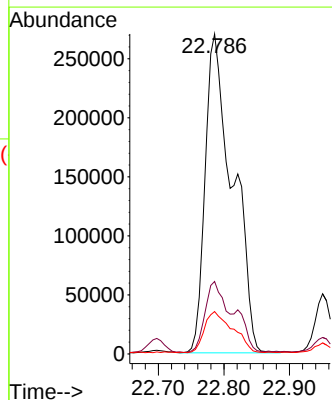
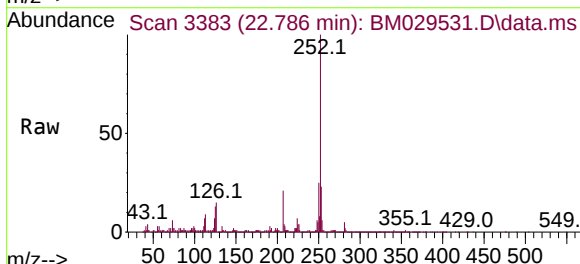
Instrument :
BNA_M
ClientSampled :
TP-8

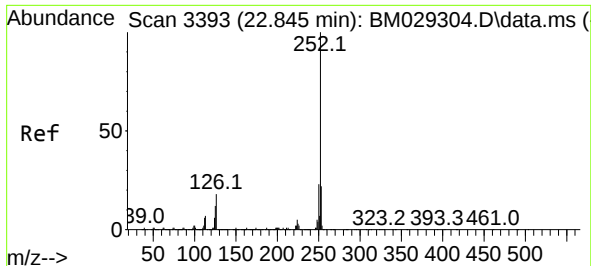
Tgt Ion:	276	Resp:	297149
Ion Ratio	Lower	Upper	
276	100		
138	26.2	22.6	34.0
277	24.8	20.2	30.4



#88
Benzo(b)fluoranthene
Concen: 27.44 ng
RT: 22.786 min Scan# 3383
Delta R.T. 0.006 min
Lab File: BM029531.D
Acq: 16 Apr 2021 20:48

Tgt Ion:	252	Resp:	789158
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.6	26.4
125	13.2	9.0	13.4

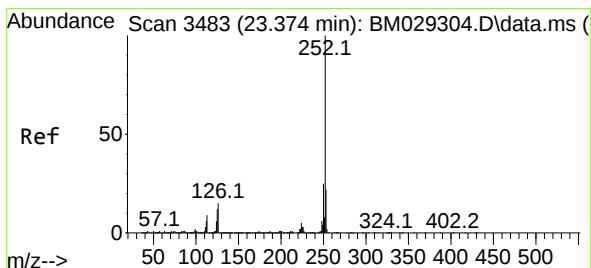
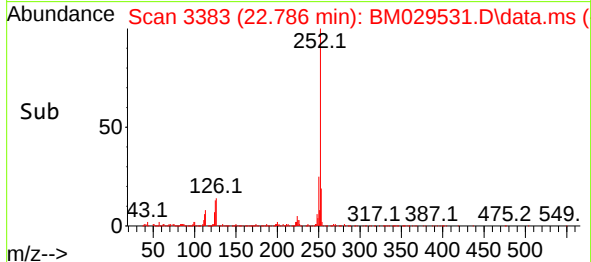
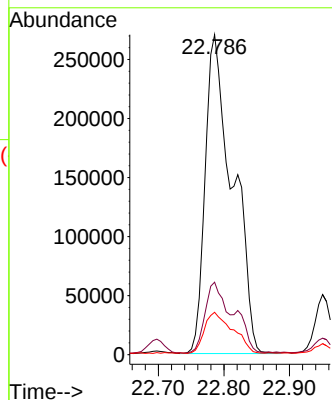
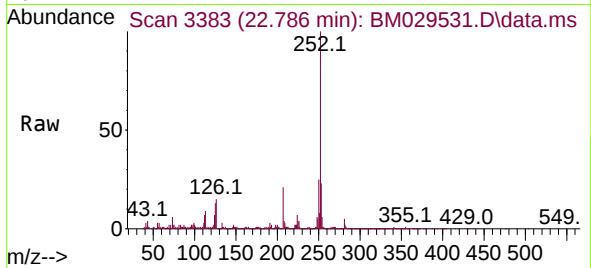




#89
Benzo(k)fluoranthene
Concen: 28.69 ng
RT: 22.786 min Scan# 3383
Delta R.T. -0.041 min
Lab File: BM029531.D
Acq: 16 Apr 2021 20:48

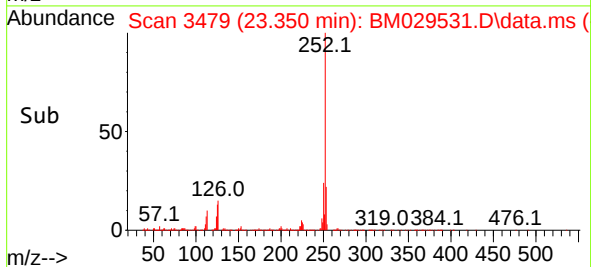
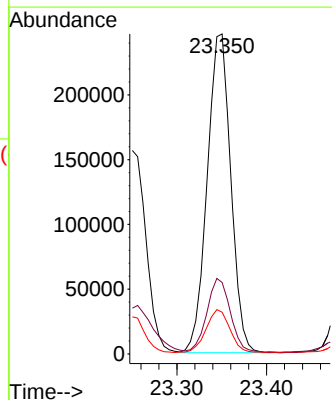
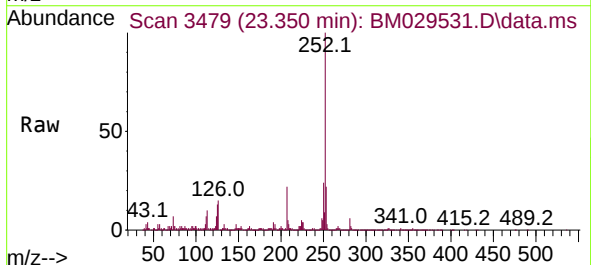
Instrument :
BNA_M
ClientSampled :
TP-8

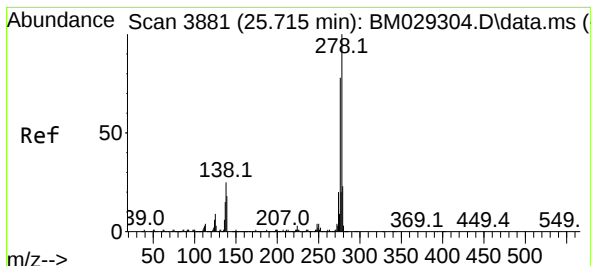
Tgt Ion:252 Resp: 789158
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 13.2 8.7 13.1#



#90
Benzo(a)pyrene
Concen: 17.10 ng
RT: 23.350 min Scan# 3479
Delta R.T. 0.006 min
Lab File: BM029531.D
Acq: 16 Apr 2021 20:48

Tgt Ion:252 Resp: 449834
Ion Ratio Lower Upper
252 100
253 22.4 17.0 25.4
125 13.1 9.5 14.3

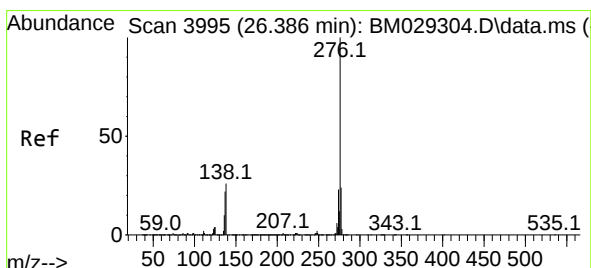
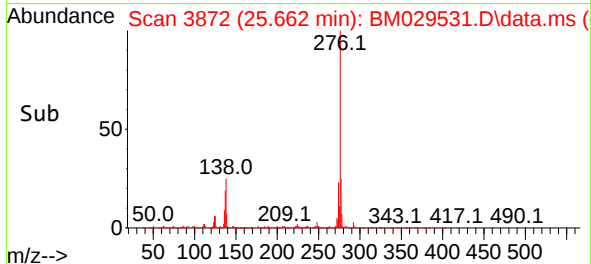
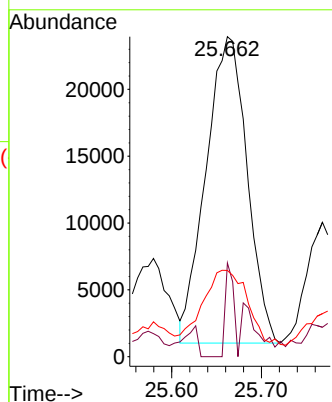
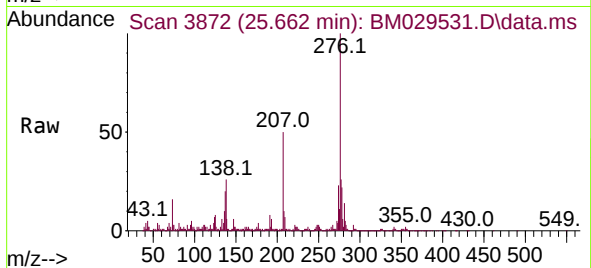




#91
Dibenzo(a,h)anthracene
Concen: 2.63 ng
RT: 25.662 min Scan# 3872
Delta R.T. -0.012 min
Lab File: BM029531.D
Acq: 16 Apr 2021 20:48

Instrument :
BNA_M
ClientSampled :
TP-8

Tgt Ion:278 Resp: 73035
Ion Ratio Lower Upper
278 100
139 29.3 14.8 22.2#
279 27.0 19.3 28.9



#92
Benzo(g,h,i)perylene
Concen: 10.50 ng
RT: 26.338 min Scan# 3987
Delta R.T. -0.006 min
Lab File: BM029531.D
Acq: 16 Apr 2021 20:48

Tgt Ion:276 Resp: 280526
Ion Ratio Lower Upper
276 100
277 25.1 18.7 28.1
138 24.6 19.0 28.4

