

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031021\
 Data File : BM029082.D
 Acq On : 10 Mar 2021 22:39
 Operator : CG/JU
 Sample : M1609-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TR-05-030921

Quant Time: Mar 10 23:41:09 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM022321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 09 10:08:02 2021
 Response via : Initial Calibration

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

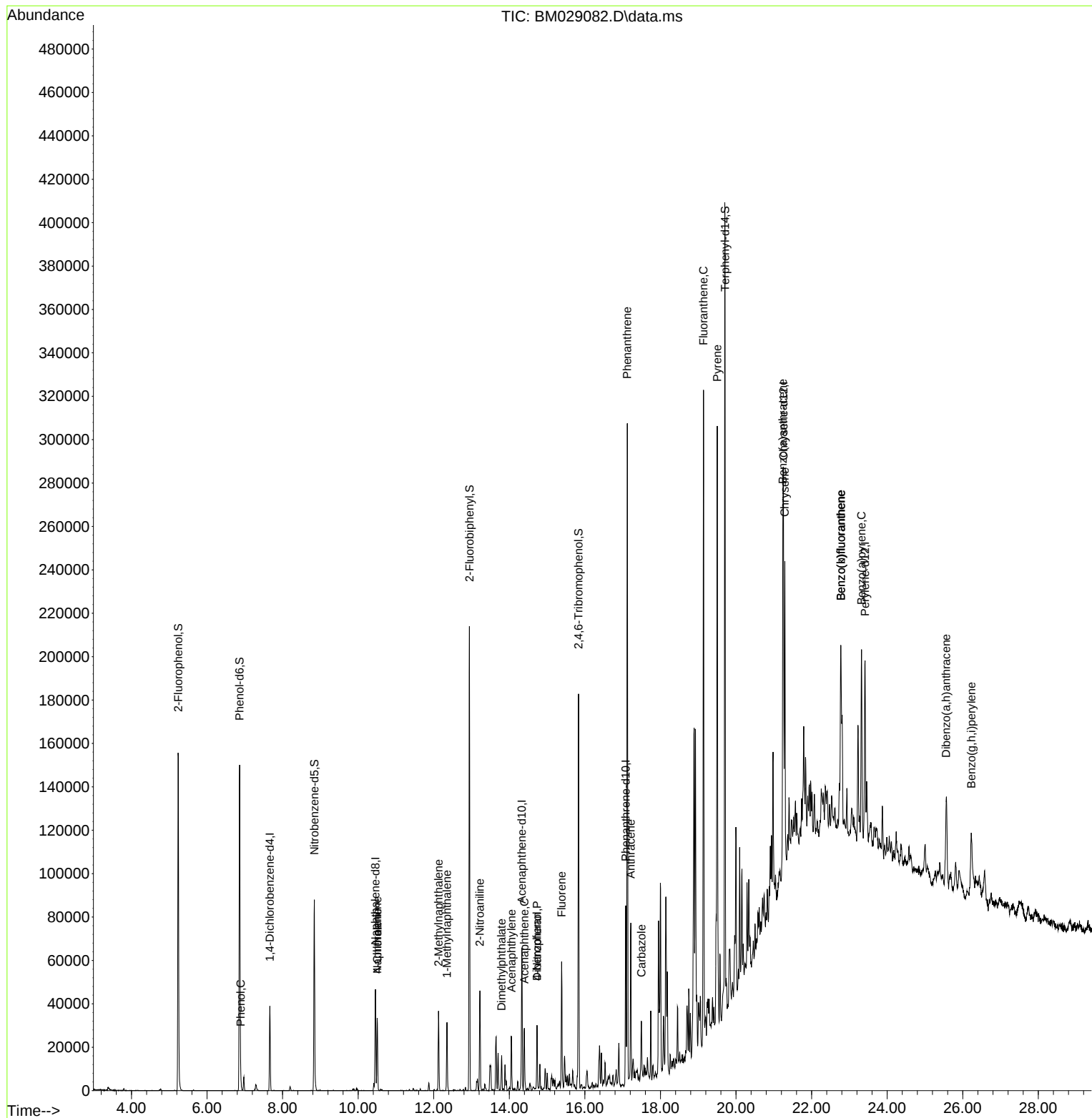
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.663	152	9856	20.00	ng	0.00
21) Naphthalene-d8	10.457	136	37686	20.00	ng	# 0.00
39) Acenaphthene-d10	14.333	164	21827	20.00	ng	0.00
64) Phenanthrene-d10	17.080	188	45028	20.00	ng	0.00
76) Chrysene-d12	21.257	240	48127	20.00	ng	# 0.00
86) Perylene-d12	23.415	264	49654	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.240	112	63244	106.36	ng	0.00
7) Phenol-d6	6.863	99	74175	94.44	ng	0.00
23) Nitrobenzene-d5	8.840	82	44904	64.29	ng	0.00
42) 2,4,6-Tribromophenol	15.833	330	25989	100.46	ng	0.00
45) 2-Fluorobiphenyl	12.945	172	101102	61.66	ng	0.00
79) Terphenyl-d14	19.710	244	149246	57.26	ng	0.00
Target Compounds						
						Qvalue
10) Phenol	6.893	94	1567	2.01	ng	94
31) Naphthalene	10.504	128	26671	12.84	ng	99
33) 4-Chloroaniline	10.504	127	3391	4.06	ng	# 30
37) 2-Methylnaphthalene	12.128	142	16887	11.55	ng	96
38) 1-Methylnaphthalene	12.351	142	14487	10.46	ng	99
48) 2-Nitroaniline	13.222	65	877	2.28	ng	# 10
49) Acenaphthylene	14.057	152	14096	6.42	ng	97
50) Dimethylphthalate	13.798	163	7244	4.38	ng	99
52) Acenaphthene	14.398	154	10396	7.72	ng	99
55) Dibenzofuran	14.733	168	11829	5.60	ng	# 93
56) 4-Nitrophenol	14.733	139	4822	15.64	ng	# 1
58) Fluorene	15.386	166	25996	15.35	ng	96
71) Phenanthrene	17.121	178	168236	62.74	ng	99
72) Anthracene	17.216	178	42577	16.03	ng	99
73) Carbazole	17.498	167	14718	5.78	ng	97
75) Fluoranthene	19.139	202	156191	53.01	ng	97
78) Pyrene	19.504	202	156954	44.39	ng	99
81) Benzo(a)anthracene	21.239	228	73616	22.04	ng	96
83) Chrysene	21.292	228	66156	20.33	ng	97
88) Benzo(b)fluoranthene	22.774	252	87784	25.03	ng	# 93
89) Benzo(k)fluoranthene	22.774	252	87784	26.35	ng	# 93
90) Benzo(a)pyrene	23.321	252	54184	16.93	ng	# 95
91) Dibenzo(a,h)anthracene	25.562	278	8955	2.75	ng	# 69
92) Benzo(g,h,i)perylene	26.227	276	28789	9.16	ng	# 89

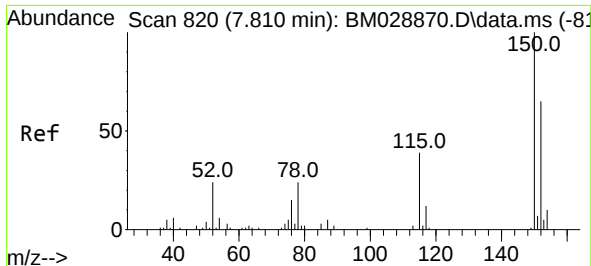
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031021\
Data File : BM029082.D
Acq On : 10 Mar 2021 22:39
Operator : CG/JU
Sample : M1609-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TR-05-030921

Quant Time: Mar 10 23:41:09 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM022321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 09 10:08:02 2021
Response via : Initial Calibration

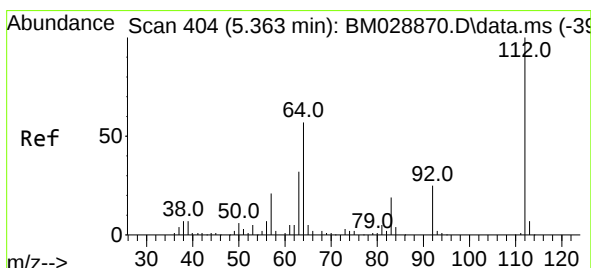
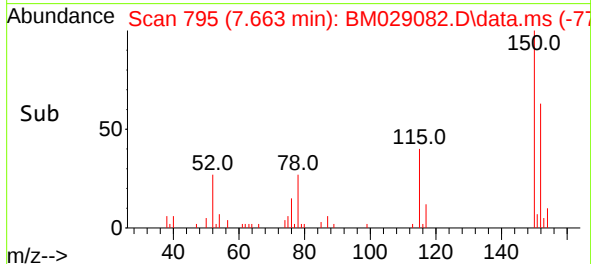
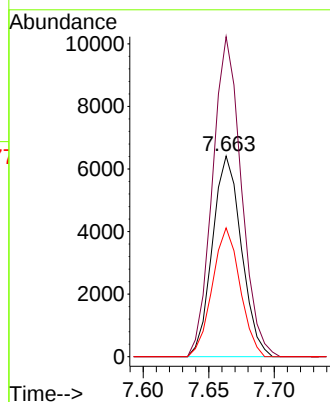
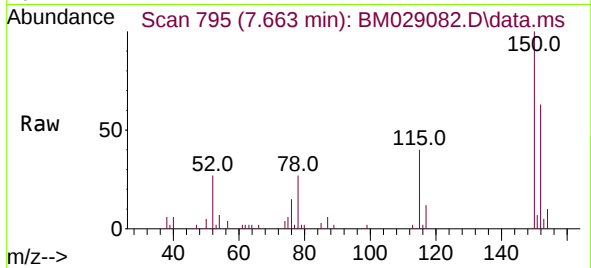




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.663 min Scan# 795
Delta R.T. -0.006 min
Lab File: BM029082.D
Acq: 10 Mar 2021 22:39

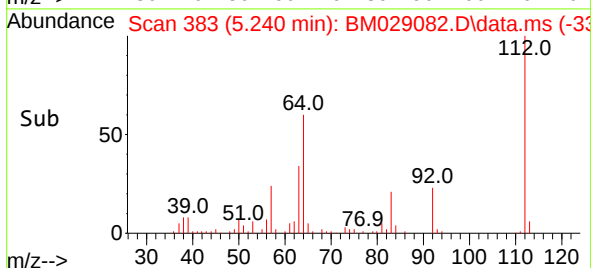
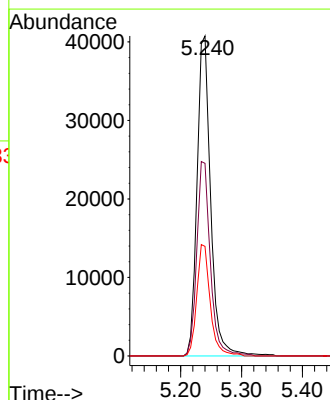
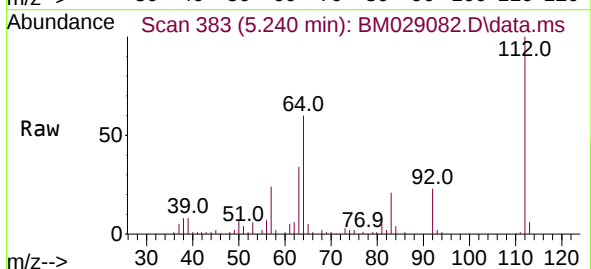
Instrument :
BNA_M
ClientSampled :
TR-05-030921

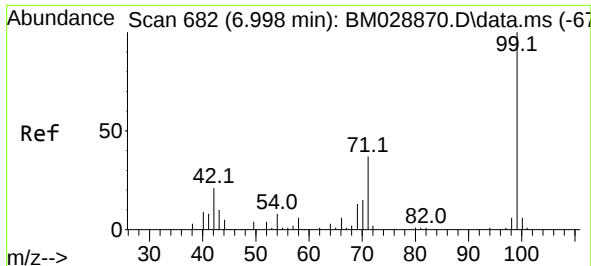
Tgt Ion:152 Resp: 9856
Ion Ratio Lower Upper
152 100
150 159.4 120.6 181.0
115 64.2 47.2 70.8



#5
2-Fluorophenol
Concen: 106.36 ng
RT: 5.240 min Scan# 383
Delta R.T. -0.006 min
Lab File: BM029082.D
Acq: 10 Mar 2021 22:39

Tgt Ion:112 Resp: 63244
Ion Ratio Lower Upper
112 100
64 60.2 50.6 76.0
63 34.2 31.0 46.6

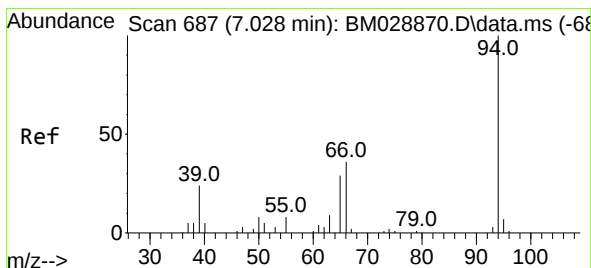
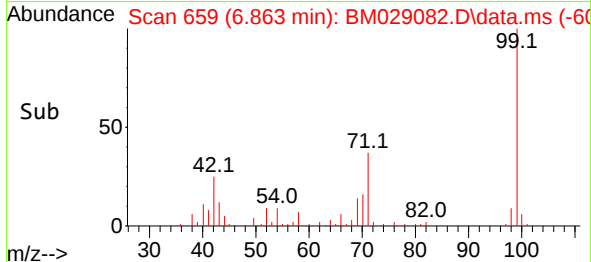
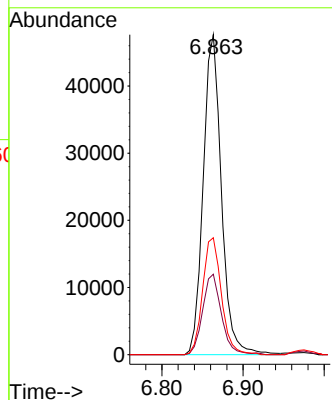
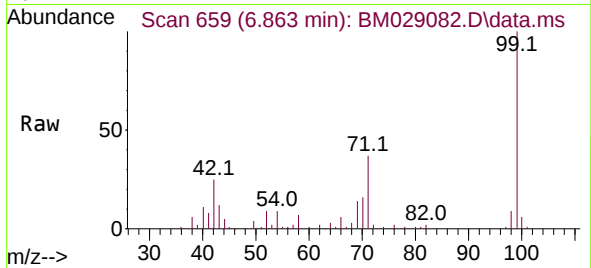




#7
Phenol-d6
Concen: 94.44 ng
RT: 6.863 min Scan# 659
Delta R.T. -0.006 min
Lab File: BM029082.D
Acq: 10 Mar 2021 22:39

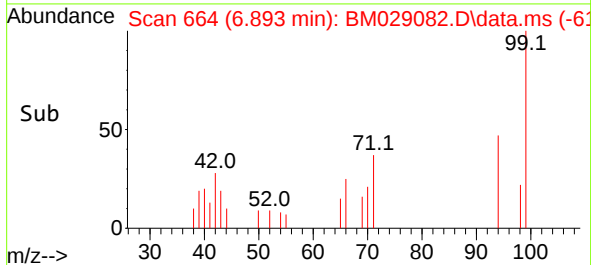
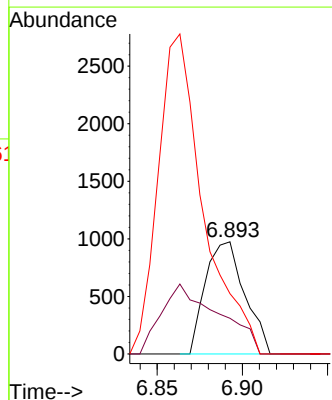
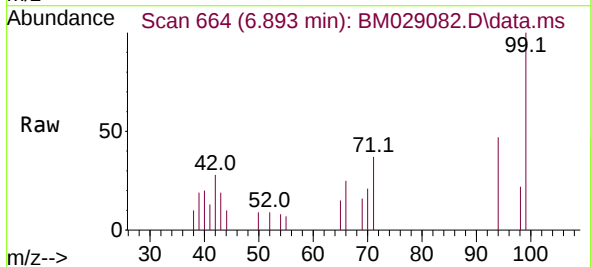
Instrument :
BNA_M
ClientSampleId :
TR-05-030921

Tgt Ion: 99 Resp: 74175
Ion Ratio Lower Upper
99 100
42 25.1 13.5 20.3#
71 36.6 39.4 59.0#



#10
Phenol
Concen: 2.01 ng
RT: 6.893 min Scan# 664
Delta R.T. -0.006 min
Lab File: BM029082.D
Acq: 10 Mar 2021 22:39

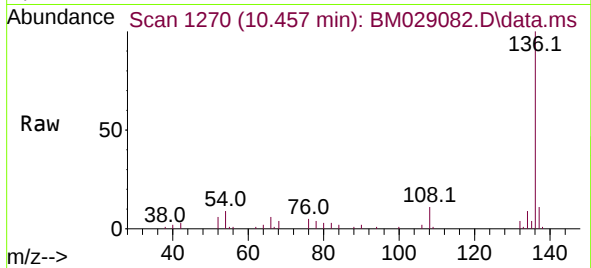
Tgt Ion: 94 Resp: 1567
Ion Ratio Lower Upper
94 100
65 31.8 16.4 56.4
66 53.9 30.2 70.2



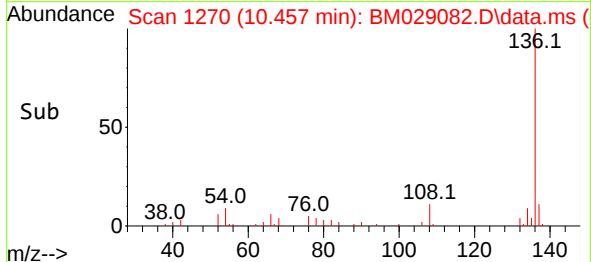
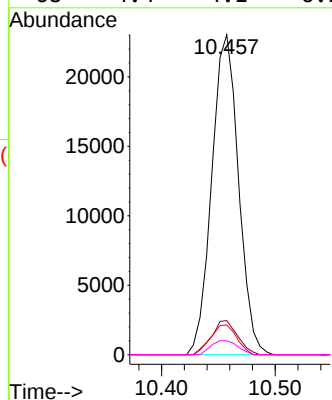


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.457 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BM029082.D
Acq: 10 Mar 2021 22:39

Instrument :
BNA_M
ClientSampleId :
TR-05-030921

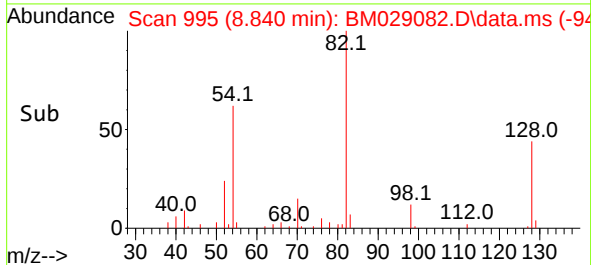
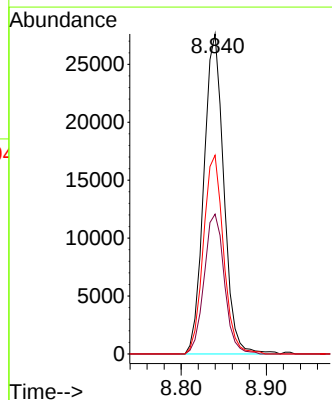
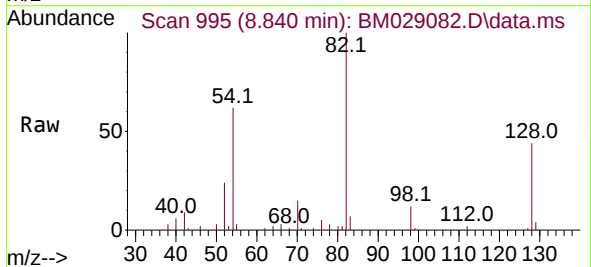


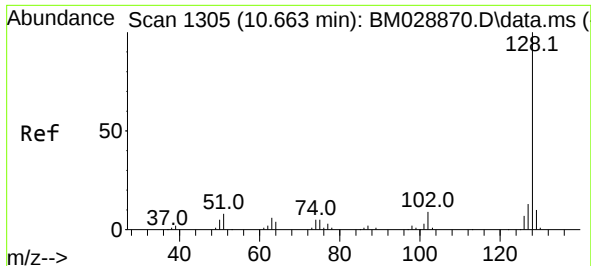
Tgt Ion:	136	Resp:	37686
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	12.8
54	9.3	4.6	7.0#
68	4.4	4.1	6.1



#23
Nitrobenzene-d5
Concen: 64.29 ng
RT: 8.840 min Scan# 995
Delta R.T. -0.006 min
Lab File: BM029082.D
Acq: 10 Mar 2021 22:39

Tgt Ion:	82	Resp:	44904
Ion	Ratio	Lower	Upper
82	100		
128	43.7	27.4	41.0#
54	62.1	31.4	47.0#

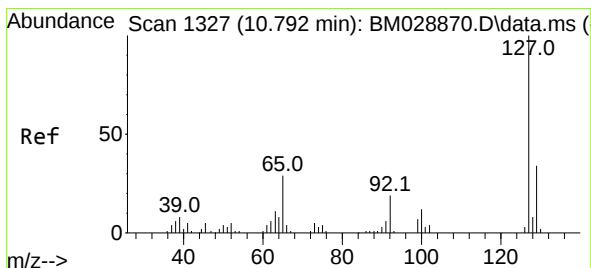
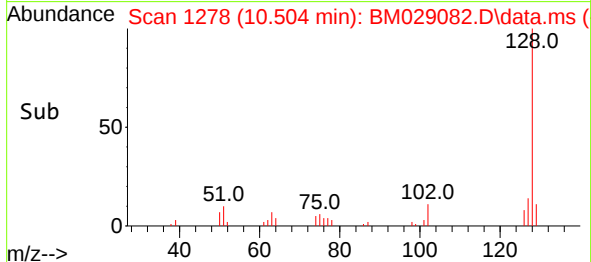
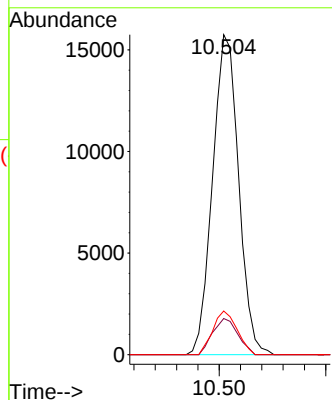
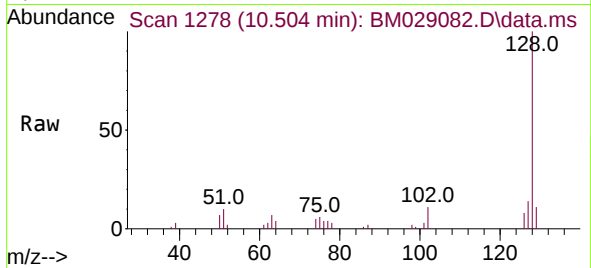




#31
Naphthalene
Concen: 12.84 ng
RT: 10.504 min Scan# 1278
Delta R.T. -0.012 min
Lab File: BM029082.D
Acq: 10 Mar 2021 22:39

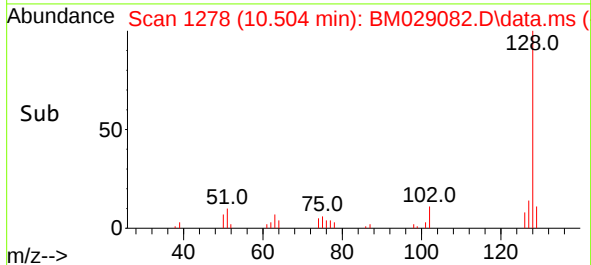
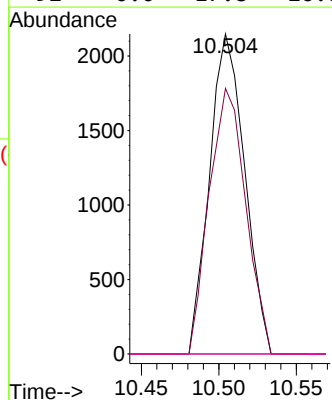
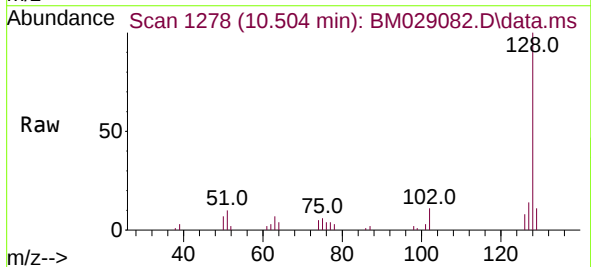
Instrument :
BNA_M
ClientSampleId :
TR-05-030921

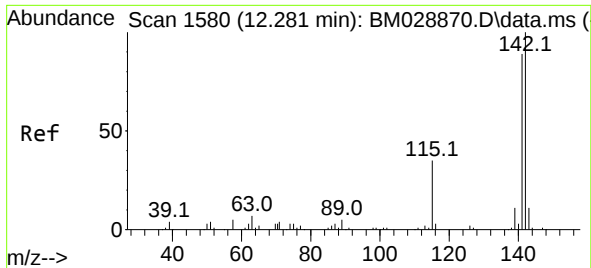
Tgt Ion:128 Resp: 26671
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.4
127 13.6 10.6 15.8



#33
4-Chloroaniline
Concen: 4.06 ng
RT: 10.504 min Scan# 1278
Delta R.T. -0.141 min
Lab File: BM029082.D
Acq: 10 Mar 2021 22:39

Tgt Ion:127 Resp: 3391
Ion Ratio Lower Upper
127 100
129 83.0 24.7 37.1#
65 0.0 30.2 45.4#
92 0.0 17.8 26.8#

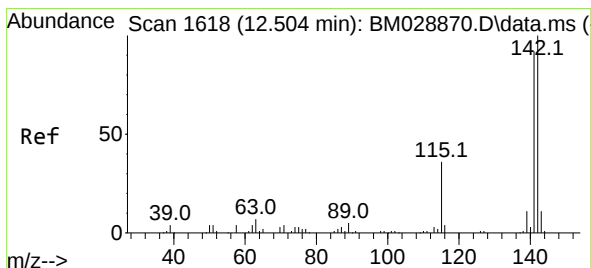
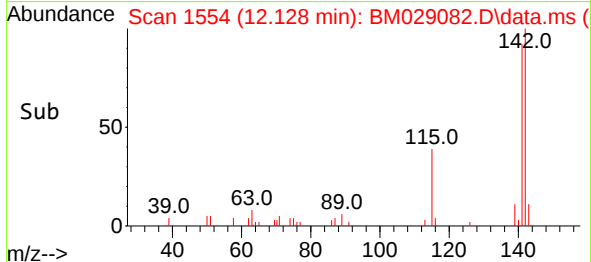
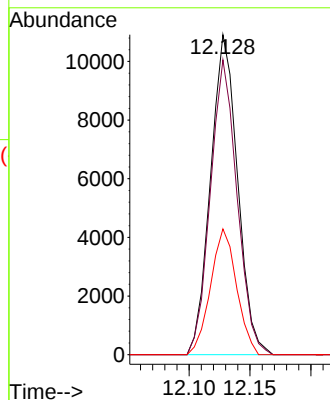
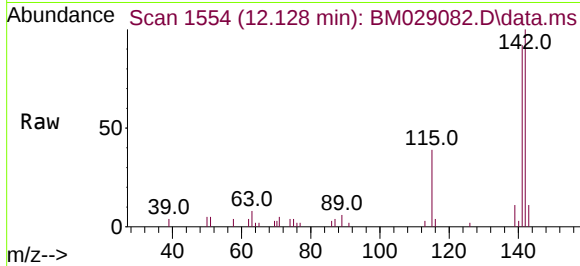




#37
2-Methylnaphthalene
Concen: 11.55 ng
RT: 12.128 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BM029082.D
Acq: 10 Mar 2021 22:39

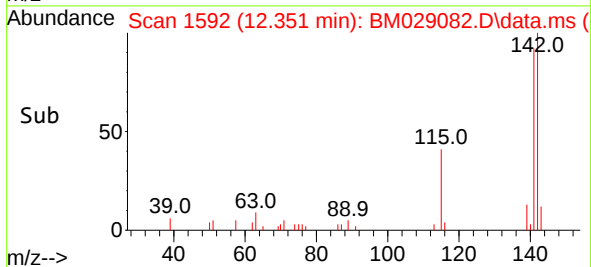
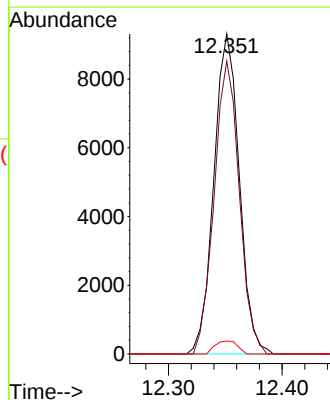
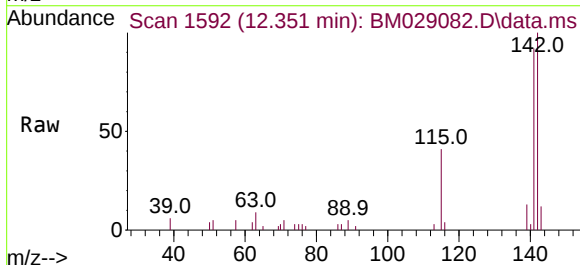
Instrument :
BNA_M
ClientSampleId :
TR-05-030921

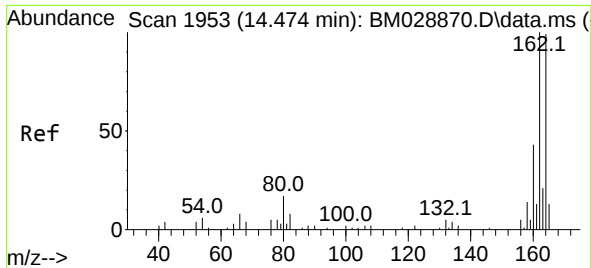
Tgt Ion:142	Resp:	16887
Ion Ratio	Lower	Upper
142	100	
141	92.2	70.3 105.5
115	39.3	32.2 48.4



#38
1-Methylnaphthalene
Concen: 10.46 ng
RT: 12.351 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BM029082.D
Acq: 10 Mar 2021 22:39

Tgt Ion:142	Resp:	14487
Ion Ratio	Lower	Upper
142	100	
141	91.5	73.8 110.6
116	4.1	3.5 5.3

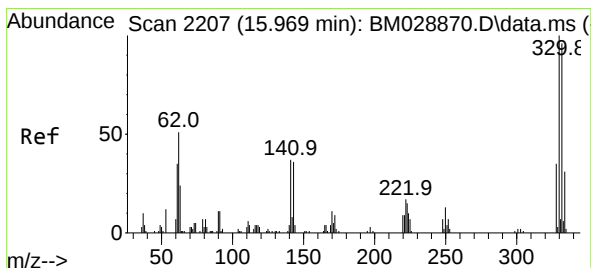
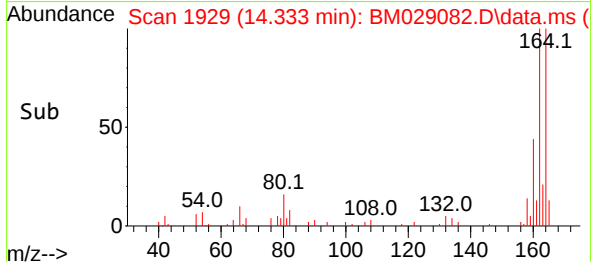
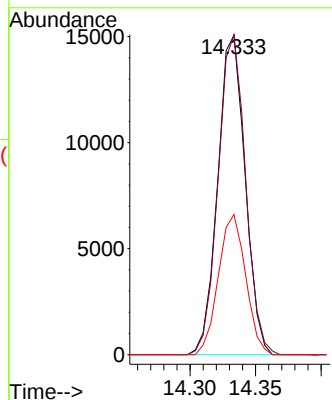
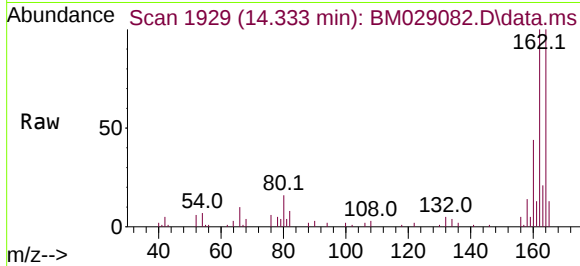




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.333 min Scan# 1929
Delta R.T. -0.006 min
Lab File: BM029082.D
Acq: 10 Mar 2021 22:39

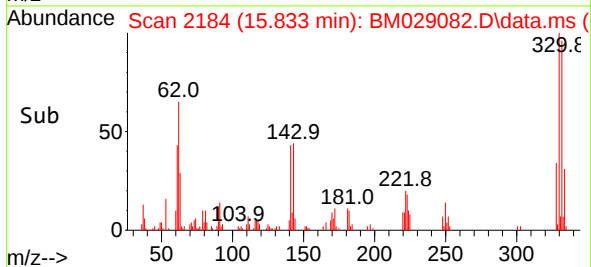
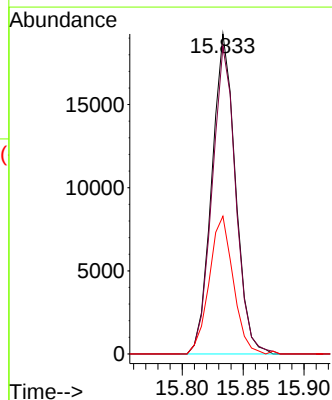
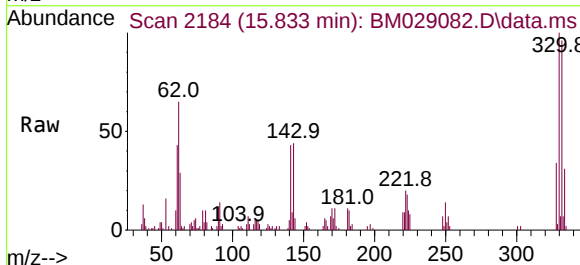
Instrument :
BNA_M
ClientSampleId :
TR-05-030921

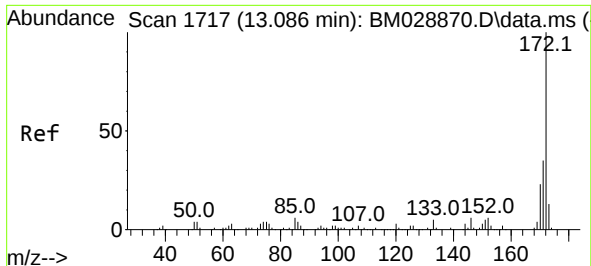
Tgt Ion:164	Resp:	21827
Ion Ratio	Lower	Upper
164	100	
162	100.2	80.4 120.6
160	43.9	35.9 53.9



#42
2,4,6-Tribromophenol
Concen: 100.46 ng
RT: 15.833 min Scan# 2184
Delta R.T. -0.006 min
Lab File: BM029082.D
Acq: 10 Mar 2021 22:39

Tgt Ion:330	Resp:	25989
Ion Ratio	Lower	Upper
330	100	
332	95.9	77.8 116.8
141	43.9	28.4 42.6#

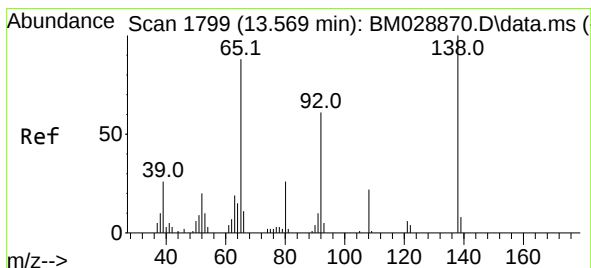
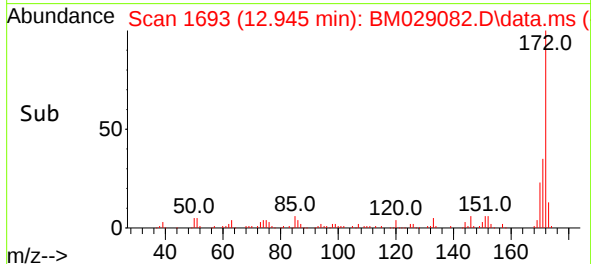
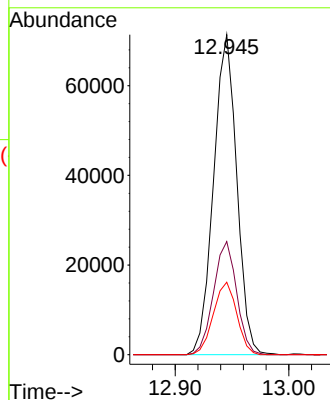
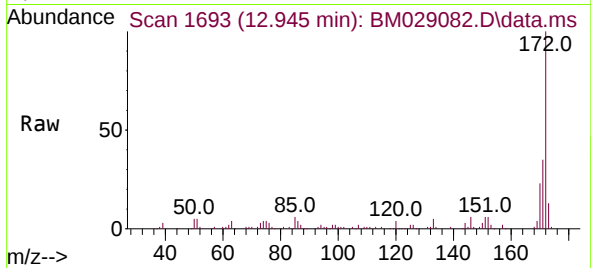




#45
2-Fluorobiphenyl
Concen: 61.66 ng
RT: 12.945 min Scan# 1693
Delta R.T. -0.006 min
Lab File: BM029082.D
Acq: 10 Mar 2021 22:39

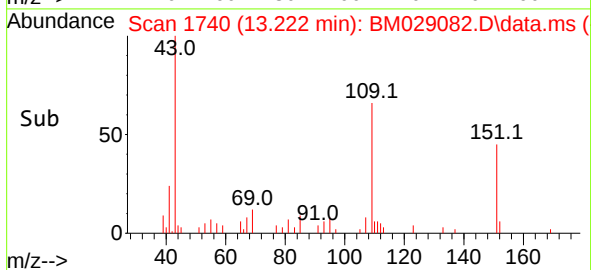
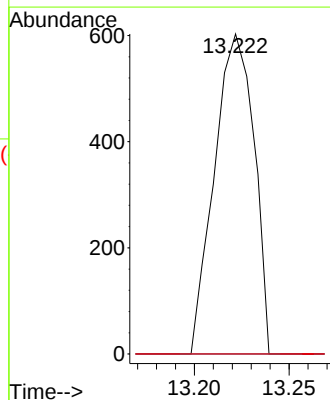
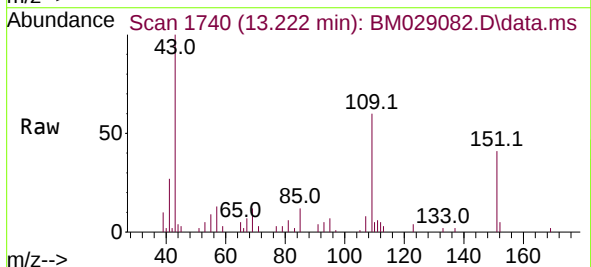
Instrument :
BNA_M
ClientSampleId :
TR-05-030921

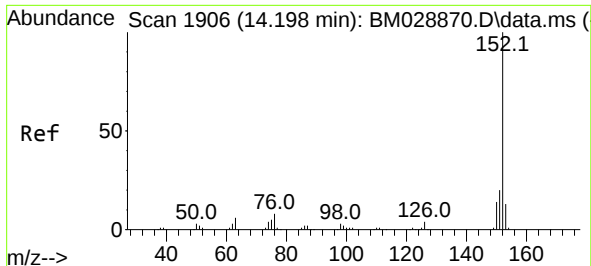
Tgt Ion:172 Resp: 101102
Ion Ratio Lower Upper
172 100
171 35.4 27.8 41.8
170 22.7 18.6 27.8



#48
2-Nitroaniline
Concen: 2.28 ng
RT: 13.222 min Scan# 1740
Delta R.T. -0.212 min
Lab File: BM029082.D
Acq: 10 Mar 2021 22:39

Tgt Ion: 65 Resp: 877
Ion Ratio Lower Upper
65 100
92 0.0 51.5 77.3#
138 0.0 72.7 109.1#

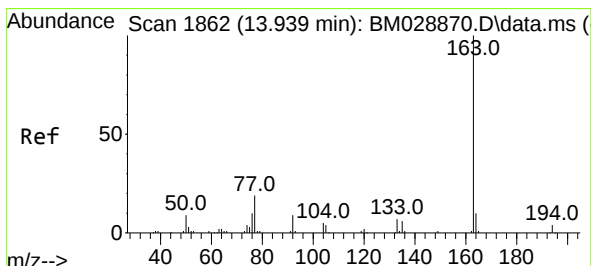
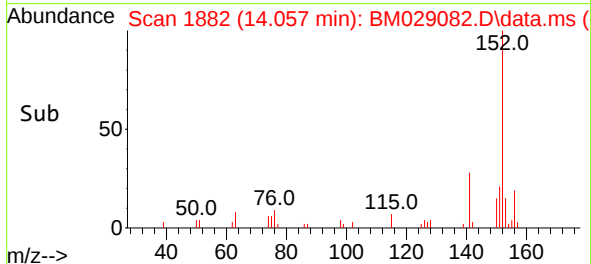
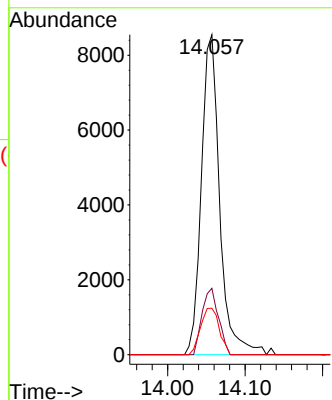
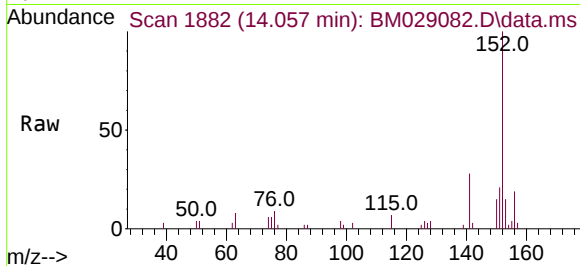




#49
Acenaphthylene
Concen: 6.42 ng
RT: 14.057 min Scan# 1882
Delta R.T. 0.000 min
Lab File: BM029082.D
Acq: 10 Mar 2021 22:39

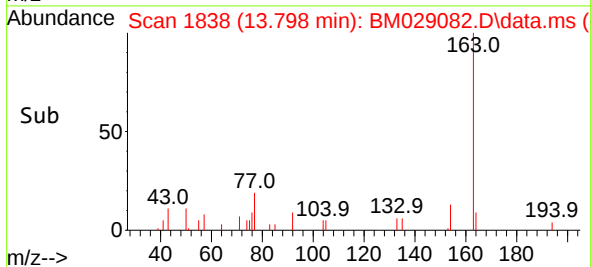
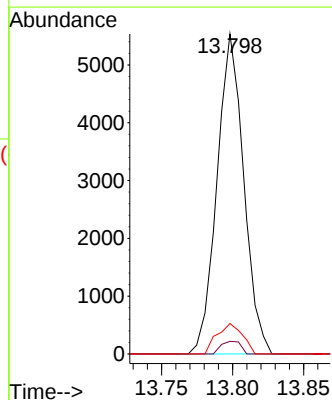
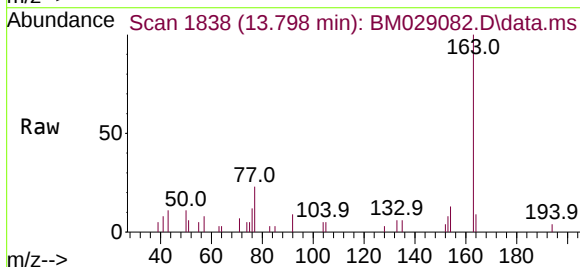
Instrument :
BNA_M
ClientSampleId :
TR-05-030921

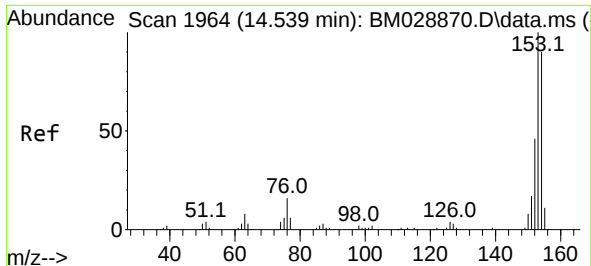
Tgt Ion:152	Resp:	14096
Ion Ratio	Lower	Upper
152	100	
151	20.7	15.8 23.6
153	14.5	10.4 15.6



#50
Dimethylphthalate
Concen: 4.38 ng
RT: 13.798 min Scan# 1838
Delta R.T. -0.012 min
Lab File: BM029082.D
Acq: 10 Mar 2021 22:39

Tgt Ion:163	Resp:	7244
Ion Ratio	Lower	Upper
163	100	
194	4.0	3.4 5.2
164	9.5	8.1 12.1

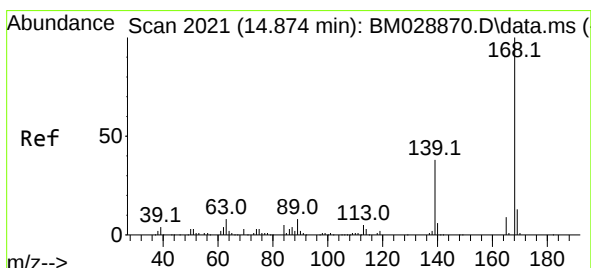
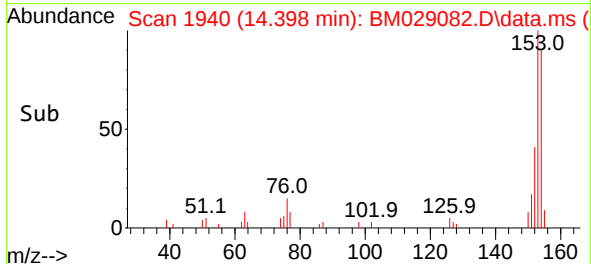
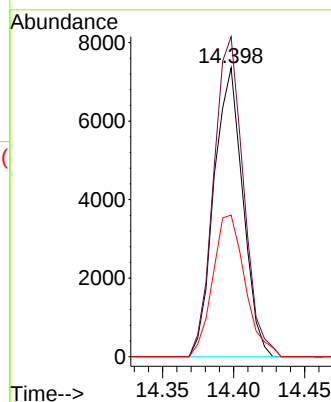
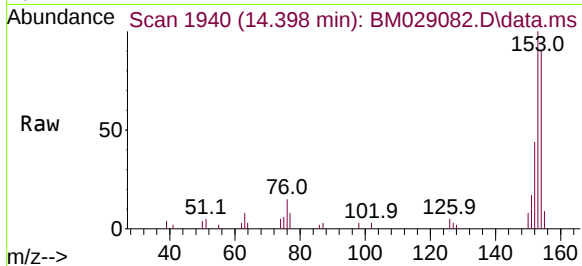




#52
Acenaphthene
Concen: 7.72 ng
RT: 14.398 min Scan# 1940
Delta R.T. -0.006 min
Lab File: BM029082.D
Acq: 10 Mar 2021 22:39

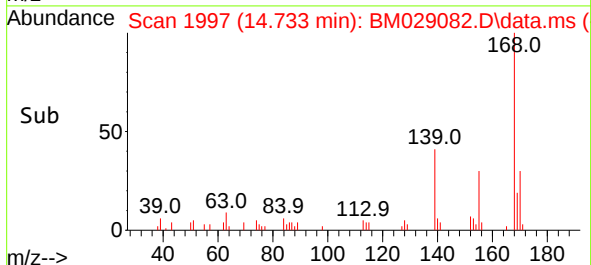
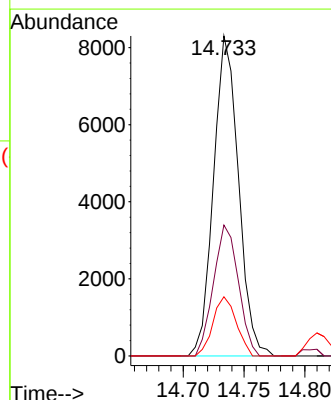
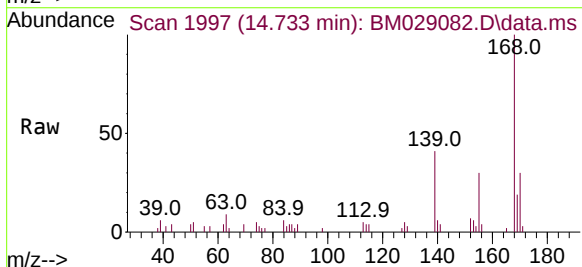
Instrument :
BNA_M
ClientSampleId :
TR-05-030921

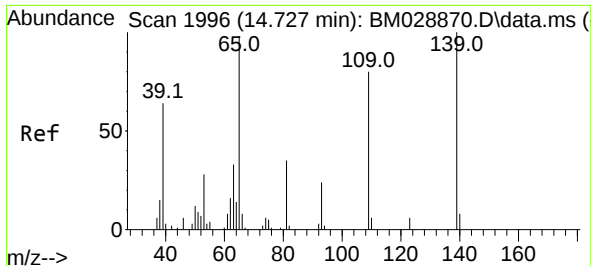
Tgt Ion:154 Resp: 10396
Ion Ratio Lower Upper
154 100
153 110.7 88.3 132.5
152 49.0 41.4 62.2



#55
Dibenzofuran
Concen: 5.60 ng
RT: 14.733 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BM029082.D
Acq: 10 Mar 2021 22:39

Tgt Ion:168 Resp: 11829
Ion Ratio Lower Upper
168 100
139 40.9 30.2 45.4
169 18.5 10.6 16.0#

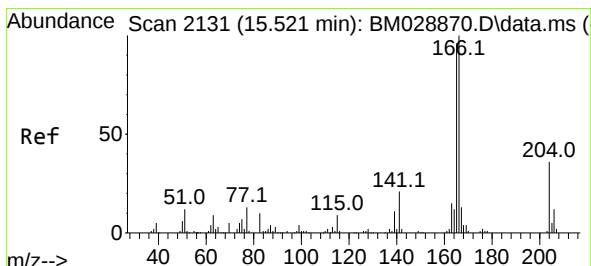
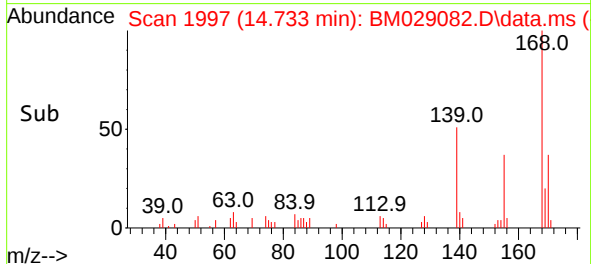
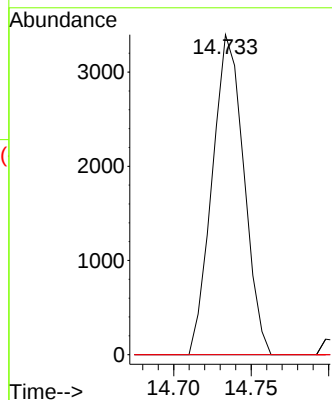
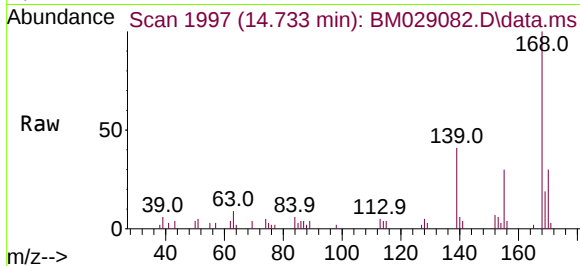




#56
4-Nitrophenol
Concen: 15.64 ng
RT: 14.733 min Scan# 1997
Delta R.T. 0.124 min
Lab File: BM029082.D
Acq: 10 Mar 2021 22:39

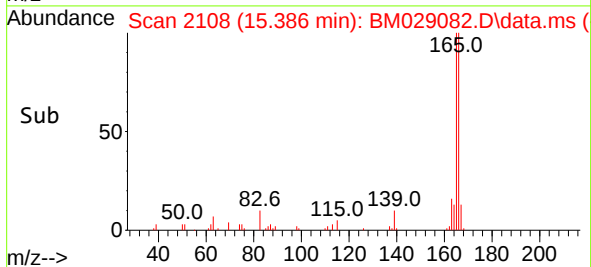
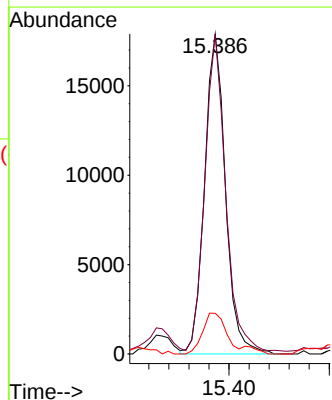
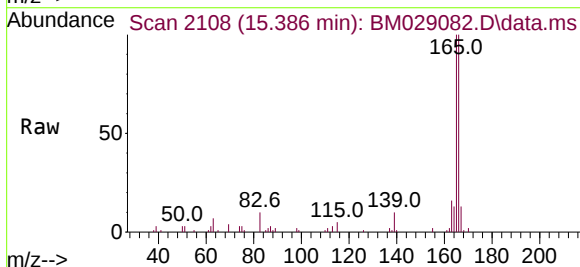
Instrument :
BNA_M
ClientSampleId :
TR-05-030921

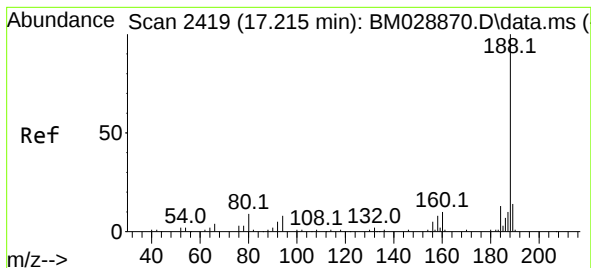
Tgt Ion:139 Resp: 4822
Ion Ratio Lower Upper
139 100
109 0.0 77.0 117.0#
65 0.0 103.4 143.4#



#58
Fluorene
Concen: 15.35 ng
RT: 15.386 min Scan# 2108
Delta R.T. -0.006 min
Lab File: BM029082.D
Acq: 10 Mar 2021 22:39

Tgt Ion:166 Resp: 25996
Ion Ratio Lower Upper
166 100
165 99.8 76.2 114.2
167 12.7 10.7 16.1





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.080 min Scan# 2396

Delta R.T. -0.006 min

Lab File: BM029082.D

Acq: 10 Mar 2021 22:39

Tgt Ion:188 Resp: 45028

Ion Ratio Lower Upper

188 100

94 8.3 6.2 9.4

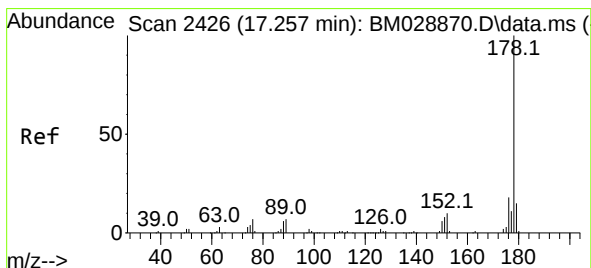
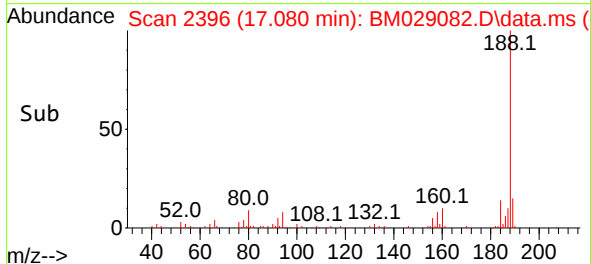
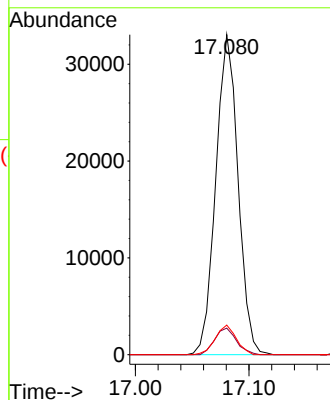
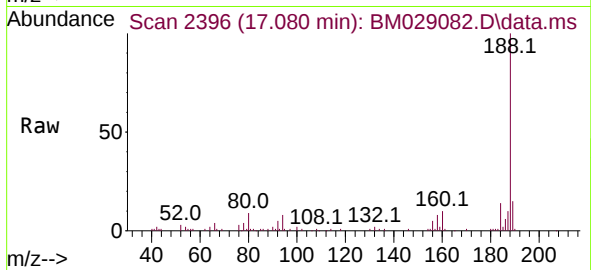
80 9.2 7.5 11.3

Instrument :

BNA_M

ClientSampleId :

TR-05-030921



#71

Phenanthrene

Concen: 62.74 ng

RT: 17.121 min Scan# 2403

Delta R.T. -0.006 min

Lab File: BM029082.D

Acq: 10 Mar 2021 22:39

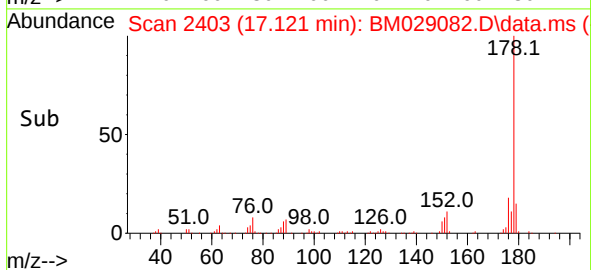
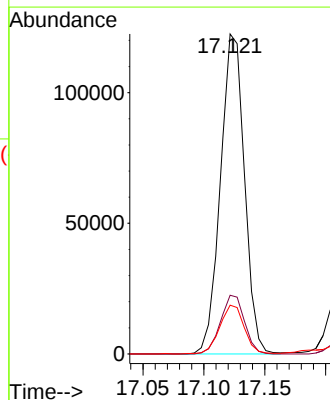
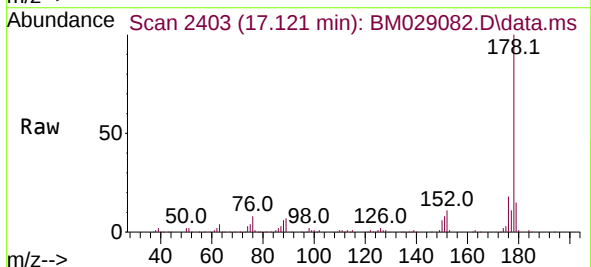
Tgt Ion:178 Resp: 168236

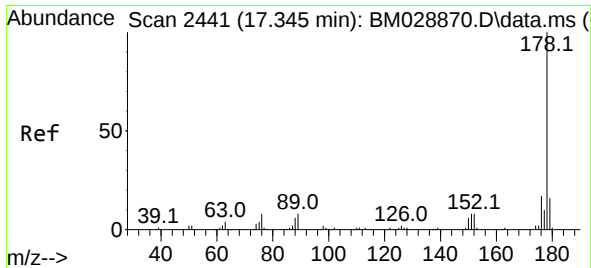
Ion Ratio Lower Upper

178 100

176 18.3 15.0 22.6

179 15.2 12.2 18.4

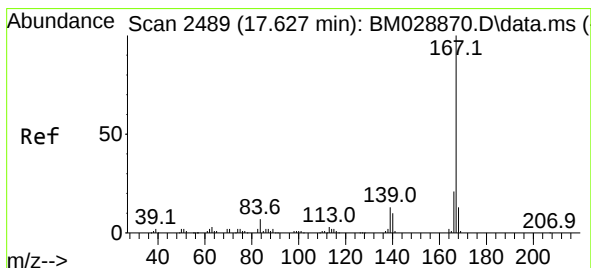
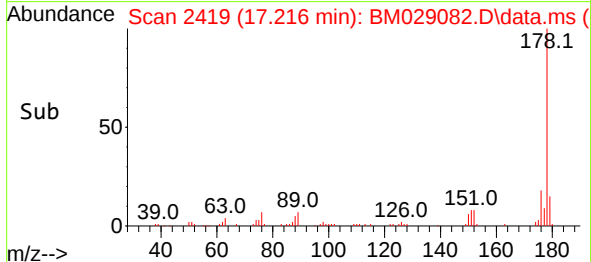
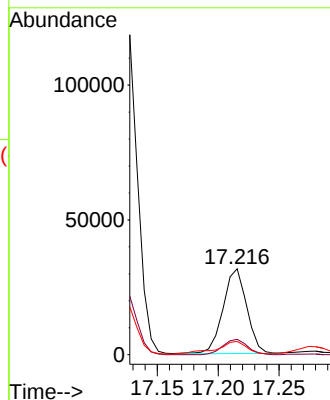
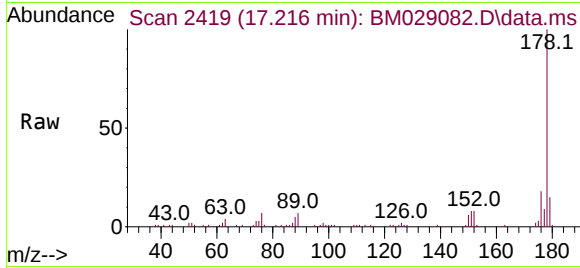




#72
 Anthracene
 Concen: 16.03 ng
 RT: 17.216 min Scan# 2419
 Delta R.T. 0.000 min
 Lab File: BM029082.D
 Acq: 10 Mar 2021 22:39

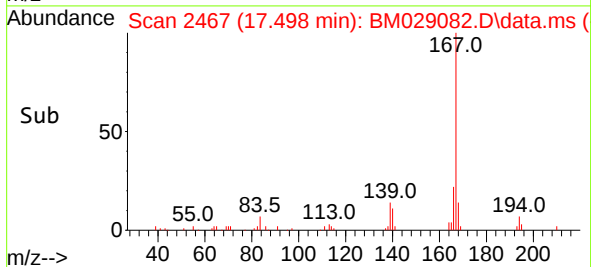
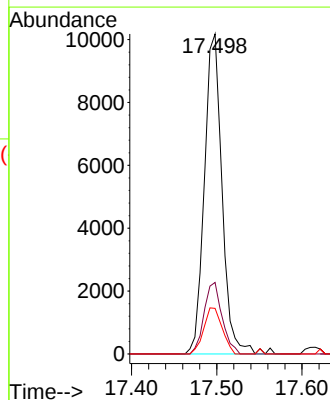
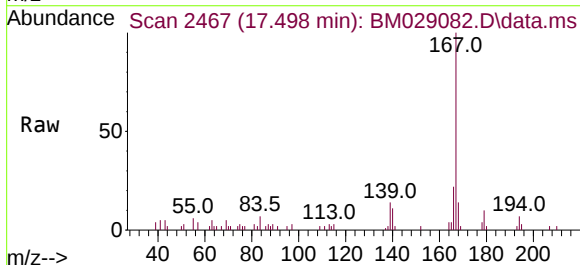
Instrument :
 BNA_M
 ClientSampleId :
 TR-05-030921

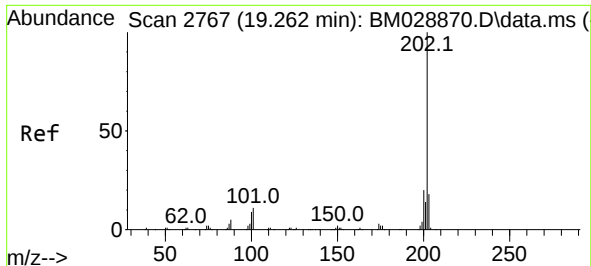
Tgt Ion:178 Resp: 42577
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.0 22.4
 179 15.5 12.5 18.7



#73
 Carbazole
 Concen: 5.78 ng
 RT: 17.498 min Scan# 2467
 Delta R.T. 0.000 min
 Lab File: BM029082.D
 Acq: 10 Mar 2021 22:39

Tgt Ion:167 Resp: 14718
 Ion Ratio Lower Upper
 167 100
 166 22.4 16.9 25.3
 139 14.2 9.9 14.9

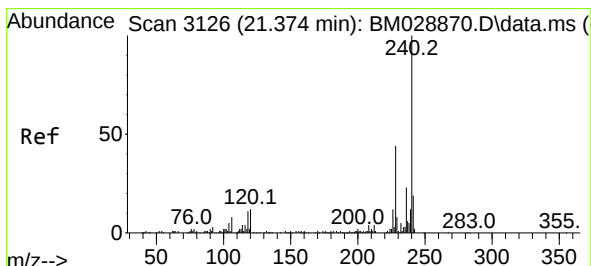
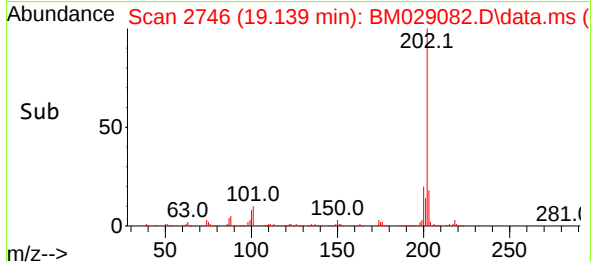
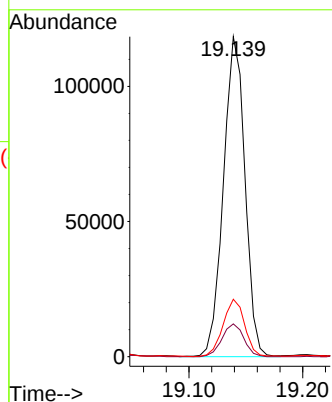
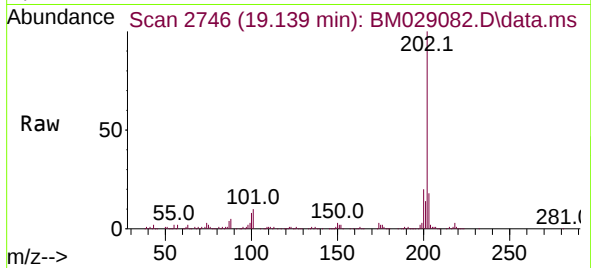




#75
Fluoranthene
Concen: 53.01 ng
RT: 19.139 min Scan# 2746
Delta R.T. -0.006 min
Lab File: BM029082.D
Acq: 10 Mar 2021 22:39

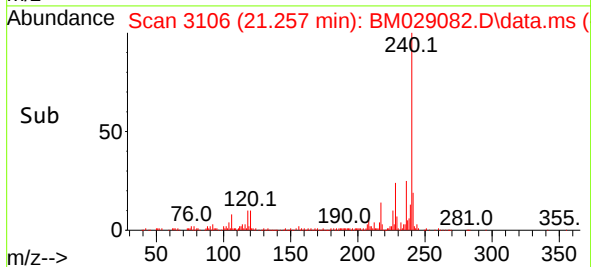
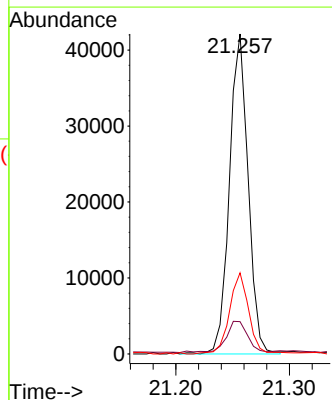
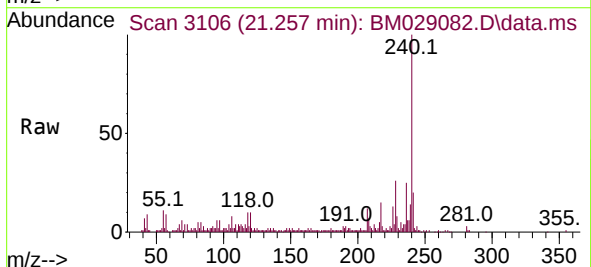
Instrument :
BNA_M
ClientSampleId :
TR-05-030921

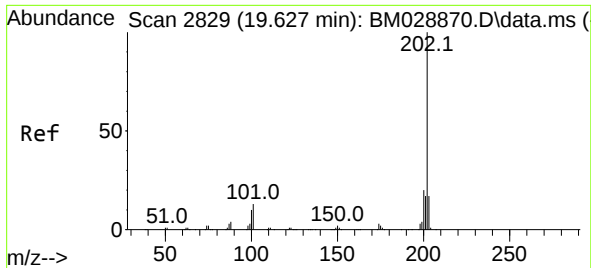
Tgt Ion:202 Resp: 156191
Ion Ratio Lower Upper
202 100
101 10.3 0.0 28.5
203 18.0 0.0 37.3



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.257 min Scan# 3106
Delta R.T. -0.006 min
Lab File: BM029082.D
Acq: 10 Mar 2021 22:39

Tgt Ion:240 Resp: 48127
Ion Ratio Lower Upper
240 100
120 10.1 6.4 9.6#
236 25.4 20.1 30.1

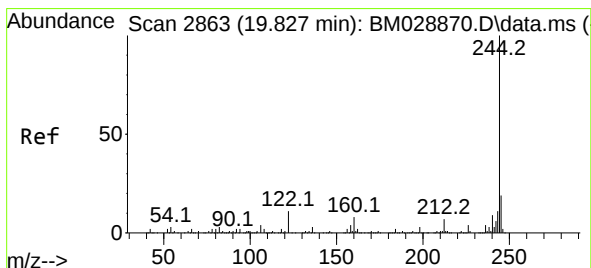
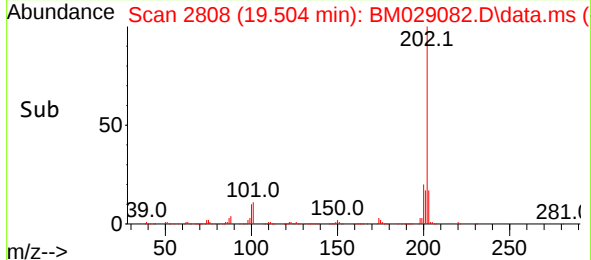
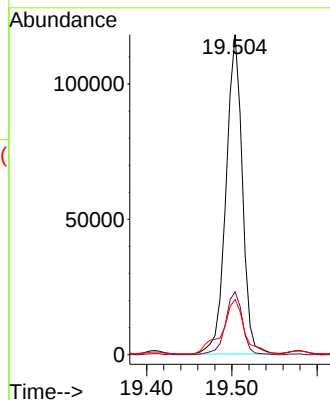
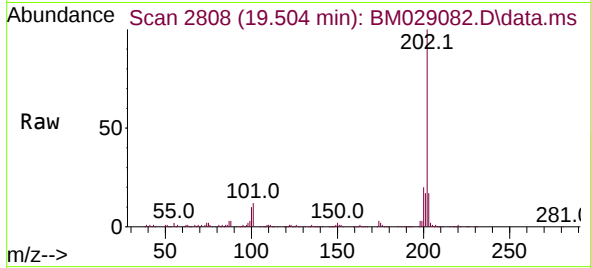




#78
Pyrene
Concen: 44.39 ng
RT: 19.504 min Scan# 2808
Delta R.T. 0.000 min
Lab File: BM029082.D
Acq: 10 Mar 2021 22:39

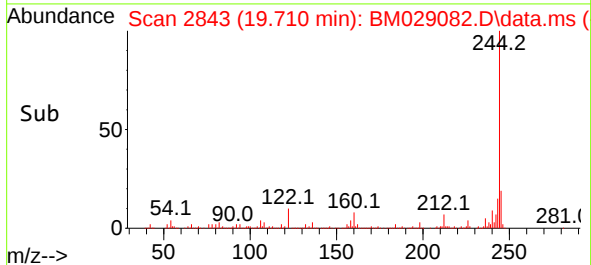
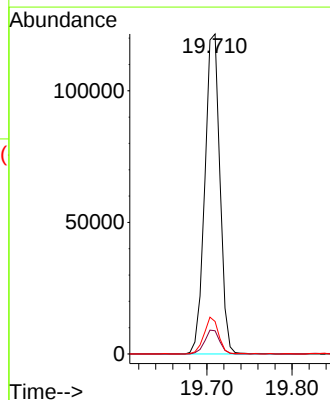
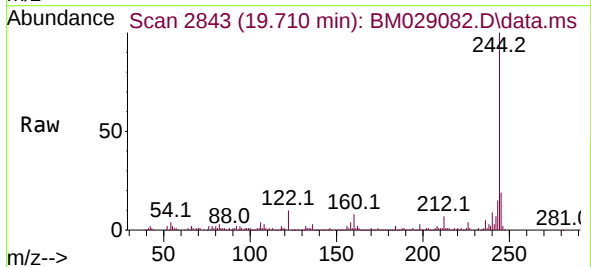
Instrument :
BNA_M
ClientSampleId :
TR-05-030921

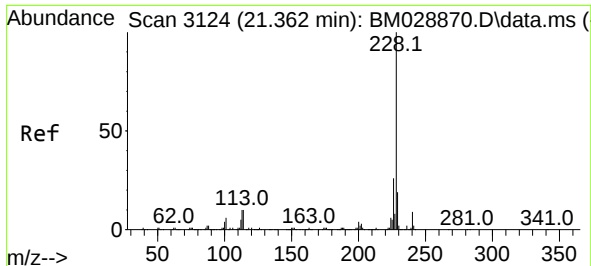
Tgt Ion:202	Resp:	156954
Ion Ratio	Lower	Upper
202	100	
200	19.7	16.6 24.8
203	17.2	13.8 20.6



#79
Terphenyl-d14
Concen: 57.26 ng
RT: 19.710 min Scan# 2843
Delta R.T. 0.000 min
Lab File: BM029082.D
Acq: 10 Mar 2021 22:39

Tgt Ion:244	Resp:	149246
Ion Ratio	Lower	Upper
244	100	
212	7.2	5.8 8.8
122	10.1	6.5 9.7#

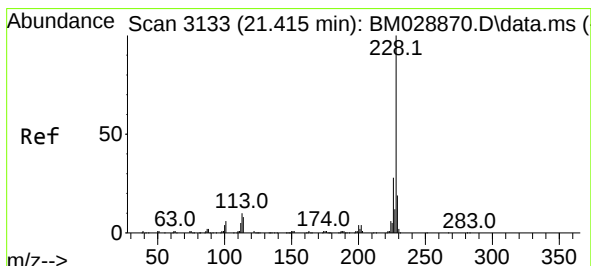
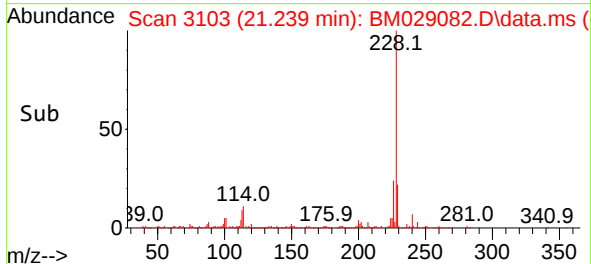
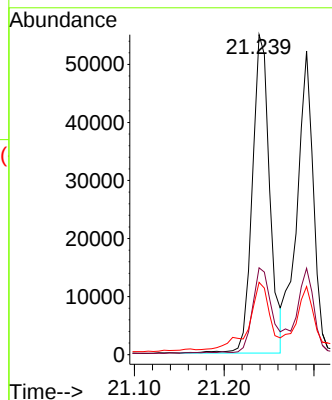
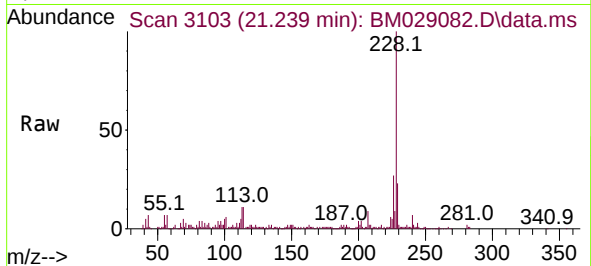




#81
Benzo(a)anthracene
Concen: 22.04 ng
RT: 21.239 min Scan# 3103
Delta R.T. -0.006 min
Lab File: BM029082.D
Acq: 10 Mar 2021 22:39

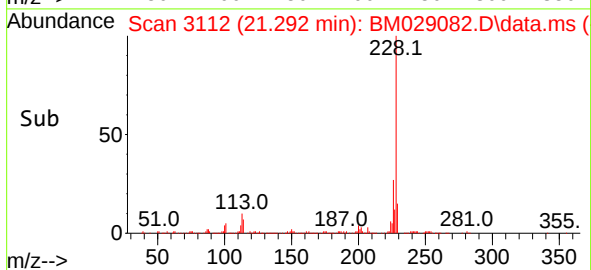
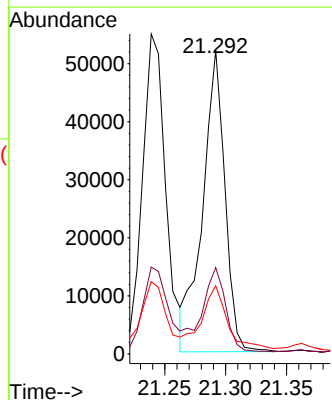
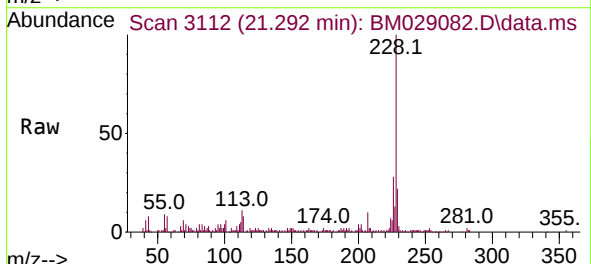
Instrument :
BNA_M
ClientSampleId :
TR-05-030921

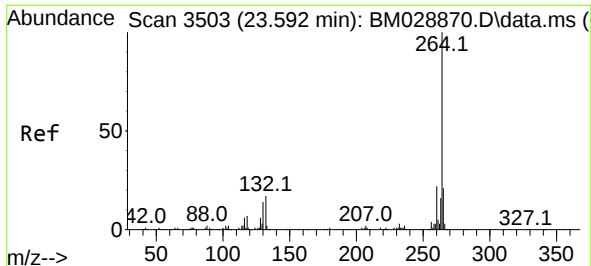
Tgt Ion:228 Resp: 73616
Ion Ratio Lower Upper
228 100
226 27.1 21.1 31.7
229 22.6 15.7 23.5



#83
Chrysene
Concen: 20.33 ng
RT: 21.292 min Scan# 3112
Delta R.T. -0.006 min
Lab File: BM029082.D
Acq: 10 Mar 2021 22:39

Tgt Ion:228 Resp: 66156
Ion Ratio Lower Upper
228 100
226 28.5 23.4 35.0
229 22.4 15.7 23.5

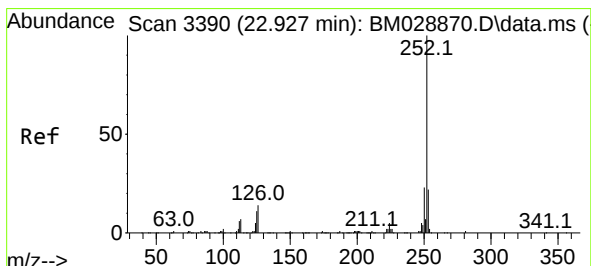
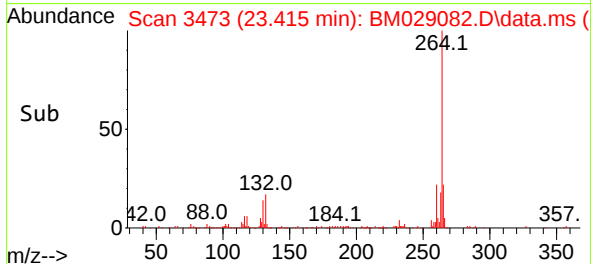
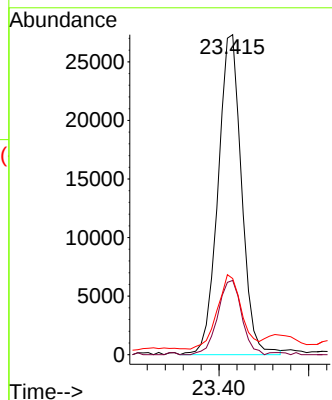
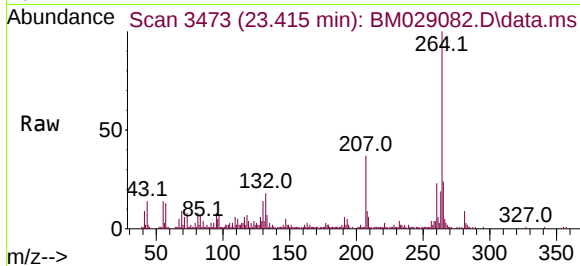




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.415 min Scan# 3473
 Delta R.T. -0.006 min
 Lab File: BM029082.D
 Acq: 10 Mar 2021 22:39

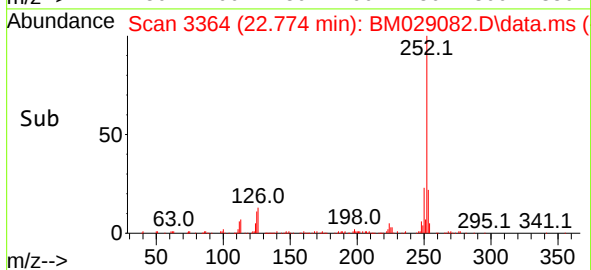
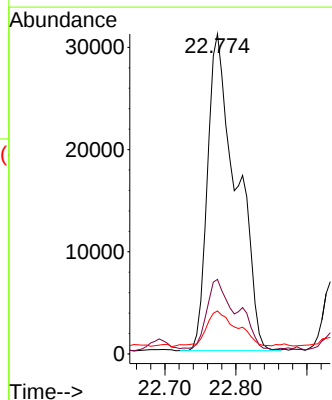
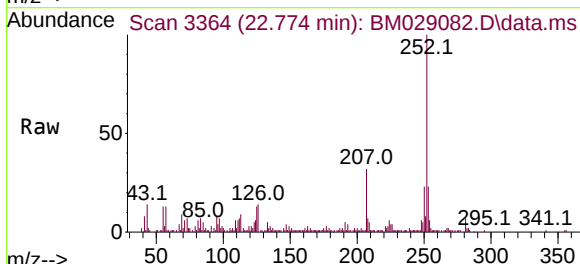
Instrument :
 BNA_M
 ClientSampleId :
 TR-05-030921

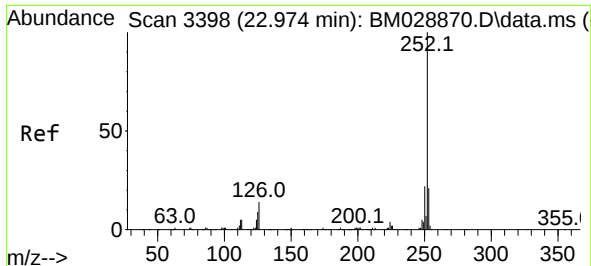
Tgt Ion:264	Resp:	49654
Ion Ratio	Lower	Upper
264	100	
260	23.2	19.0 28.4
265	23.8	17.7 26.5



#88
 Benzo(b)fluoranthene
 Concen: 25.03 ng
 RT: 22.774 min Scan# 3364
 Delta R.T. -0.006 min
 Lab File: BM029082.D
 Acq: 10 Mar 2021 22:39

Tgt Ion:252	Resp:	87784
Ion Ratio	Lower	Upper
252	100	
253	23.3	17.4 26.0
125	13.4	5.7 8.5#

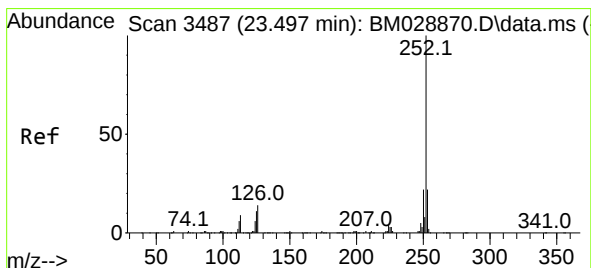
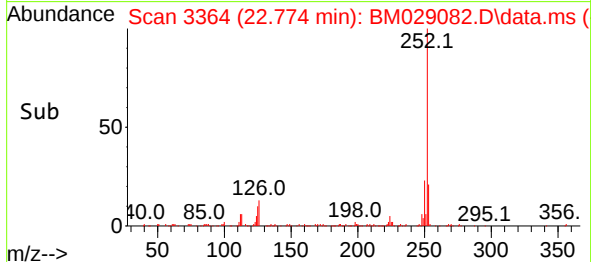
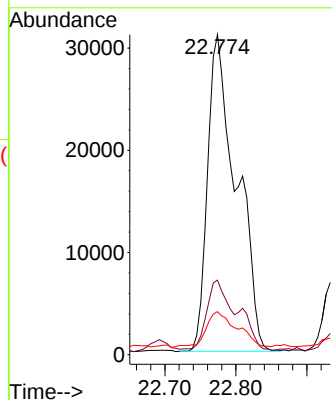
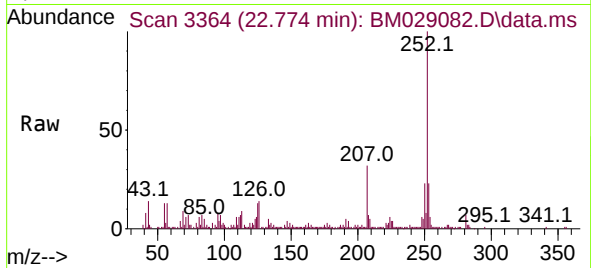




#89
Benzo(k)fluoranthene
Concen: 26.35 ng
RT: 22.774 min Scan# 3364
Delta R.T. -0.047 min
Lab File: BM029082.D
Acq: 10 Mar 2021 22:39

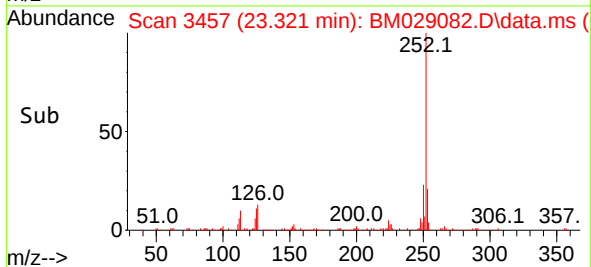
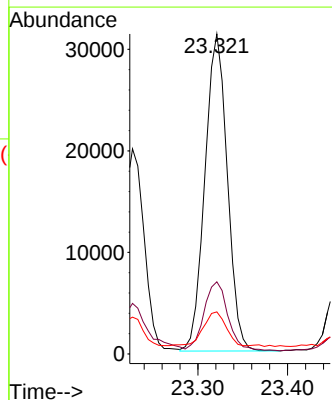
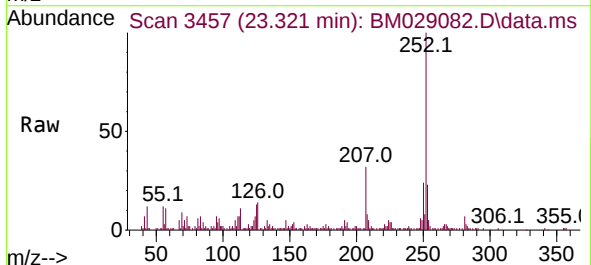
Instrument :
BNA_M
ClientSampleId :
TR-05-030921

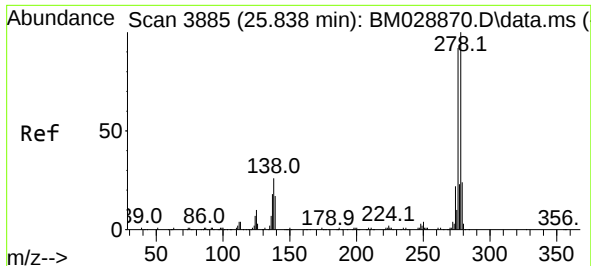
Tgt Ion:252 Resp: 87784
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.0
125 13.4 5.6 8.4#



#90
Benzo(a)pyrene
Concen: 16.93 ng
RT: 23.321 min Scan# 3457
Delta R.T. -0.012 min
Lab File: BM029082.D
Acq: 10 Mar 2021 22:39

Tgt Ion:252 Resp: 54184
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.2
125 13.1 6.6 9.8#

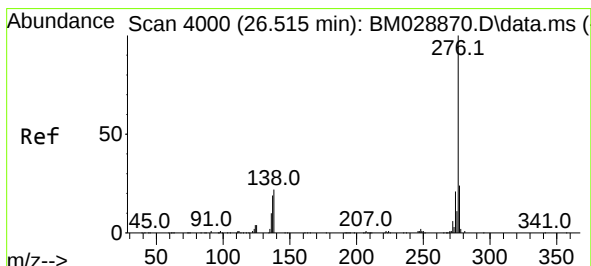
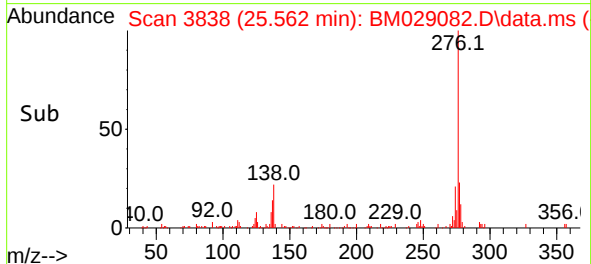
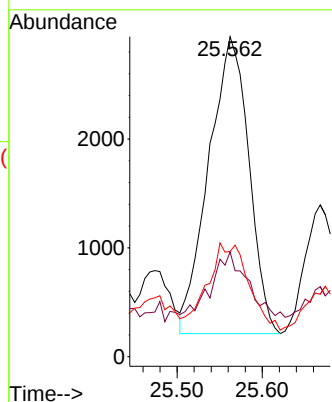
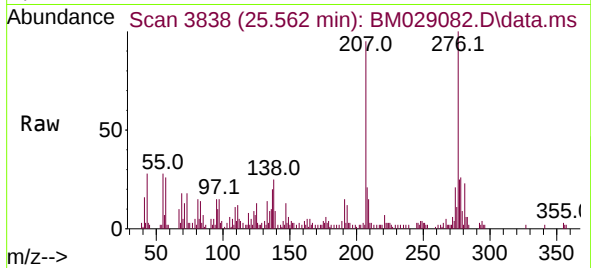




#91
Dibenzo(a,h)anthracene
Concen: 2.75 ng
RT: 25.562 min Scan# 3838
Delta R.T. -0.023 min
Lab File: BM029082.D
Acq: 10 Mar 2021 22:39

Instrument :
BNA_M
ClientSampled :
TR-05-030921

Tgt Ion:278 Resp: 8955
Ion Ratio Lower Upper
278 100
139 32.7 9.0 13.6#
279 32.9 19.0 28.4#



#92
Benzo(g,h,i)perylene
Concen: 9.16 ng
RT: 26.227 min Scan# 3951
Delta R.T. -0.012 min
Lab File: BM029082.D
Acq: 10 Mar 2021 22:39

Tgt Ion:276 Resp: 28789
Ion Ratio Lower Upper
276 100
277 25.9 18.6 28.0
138 23.7 12.2 18.2#

