

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM030921\
 Data File : BM029059.D
 Acq On : 09 Mar 2021 23:09
 Operator : CG/JU
 Sample : M1600-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BIN-4

Quant Time: Mar 10 01:52:54 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)

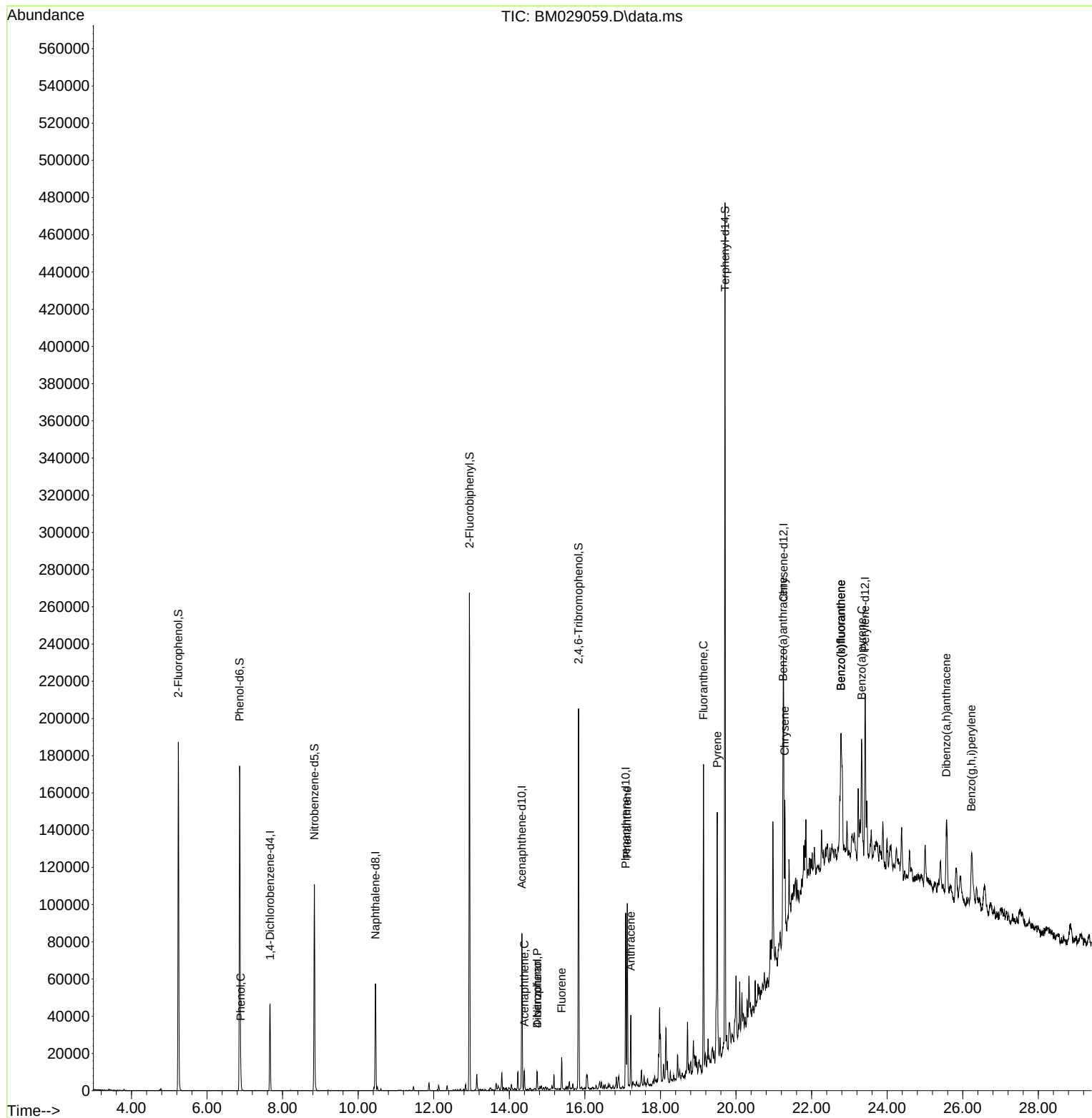
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.669	152	12351	20.00	ng	0.00
21) Naphthalene-d8	10.457	136	46282	20.00	ng	# 0.00
39) Acenaphthene-d10	14.333	164	26124	20.00	ng	0.00
64) Phenanthrene-d10	17.080	188	51613	20.00	ng	0.00
76) Chrysene-d12	21.256	240	51594	20.00	ng	# 0.00
86) Perylene-d12	23.415	264	53614	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.240	112	72266	96.98	ng	0.00
7) Phenol-d6	6.863	99	86033	87.41	ng	0.00
23) Nitrobenzene-d5	8.839	82	56343	65.68	ng	0.00
42) 2,4,6-Tribromophenol	15.833	330	29381	94.89	ng	0.00
45) 2-Fluorobiphenyl	12.945	172	125831	64.12	ng	0.00
79) Terphenyl-d14	19.709	244	175214	62.71	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.892	94	2576	2.63	ng	96
52) Acenaphthene	14.398	154	4102	2.55	ng	97
55) Dibenzofuran	14.739	168	5122	2.03	ng	99
56) 4-Nitrophenol	14.739	139	1941	5.26	ng	# 1
58) Fluorene	15.386	166	7394	3.65	ng	# 97
71) Phenanthrene	17.121	178	54012	17.57	ng	98
72) Anthracene	17.215	178	23022	7.56	ng	99
75) Fluoranthene	19.139	202	80829	23.93	ng	98
78) Pyrene	19.503	202	76223	20.11	ng	99
81) Benzo(a)anthracene	21.244	228	40128	11.21	ng	98
83) Chrysene	21.291	228	36243	10.39	ng	97
88) Benzo(b)fluoranthene	22.774	252	64456	17.02	ng	# 93
89) Benzo(k)fluoranthene	22.774	252	64456	17.92	ng	# 93
90) Benzo(a)pyrene	23.327	252	39325	11.38	ng	# 94
91) Dibenzo(a,h)anthracene	25.568	278	7238	2.06	ng	# 67
92) Benzo(g,h,i)perylene	26.226	276	26744	7.88	ng	# 92

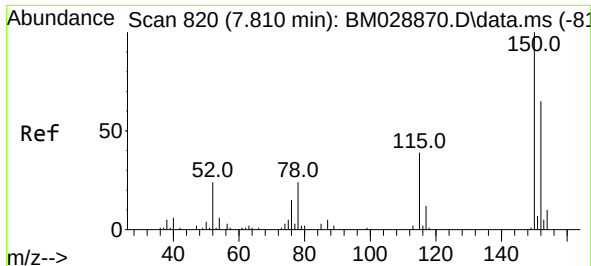
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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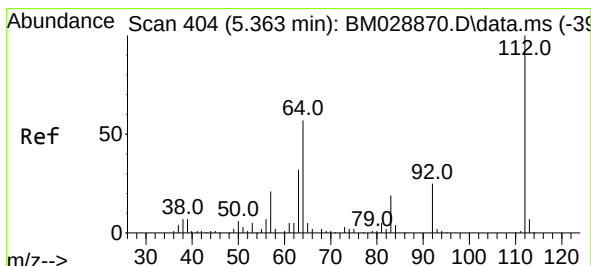
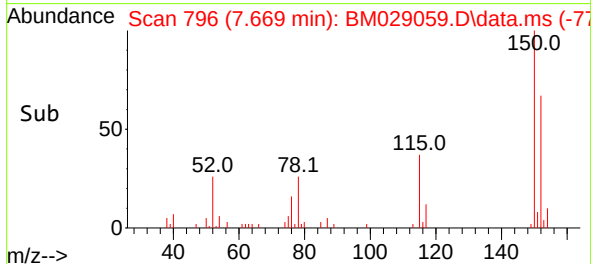
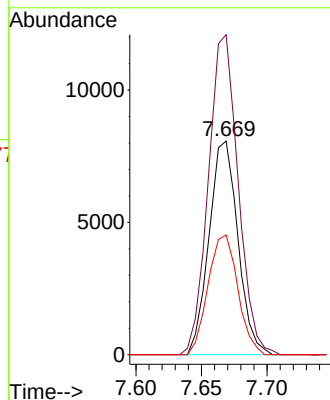
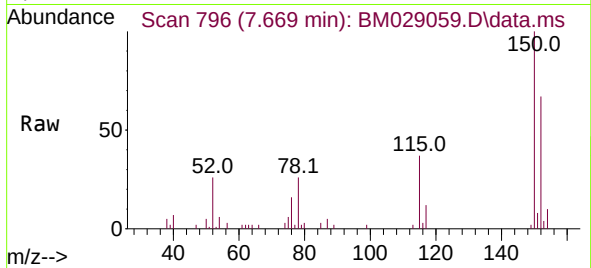




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.669 min Scan# 796
Delta R.T. -0.000 min
Lab File: BM029059.D
Acq: 09 Mar 2021 23:09

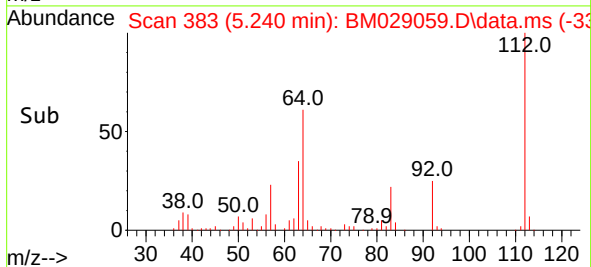
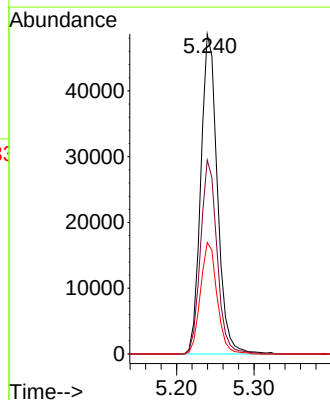
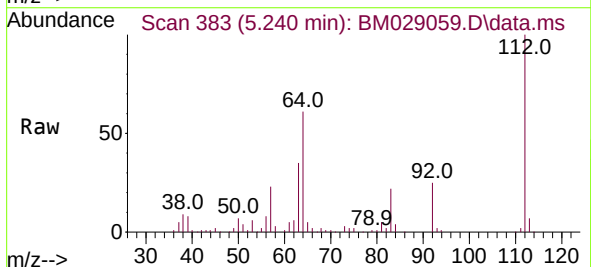
Instrument :
BNA_M
ClientSampled :
BIN-4

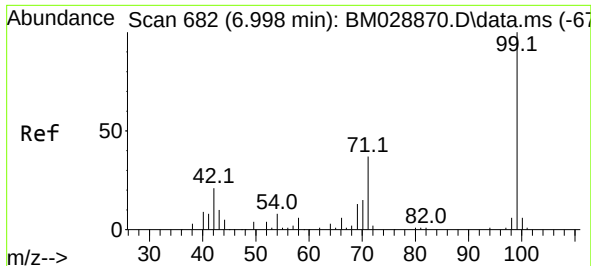
Tgt Ion:152 Resp: 12351
Ion Ratio Lower Upper
152 100
150 149.8 120.6 181.0
115 56.0 47.2 70.8



#5
2-Fluorophenol
Concen: 96.98 ng
RT: 5.240 min Scan# 383
Delta R.T. -0.006 min
Lab File: BM029059.D
Acq: 09 Mar 2021 23:09

Tgt Ion:112 Resp: 72266
Ion Ratio Lower Upper
112 100
64 60.6 50.6 76.0
63 34.8 31.0 46.6

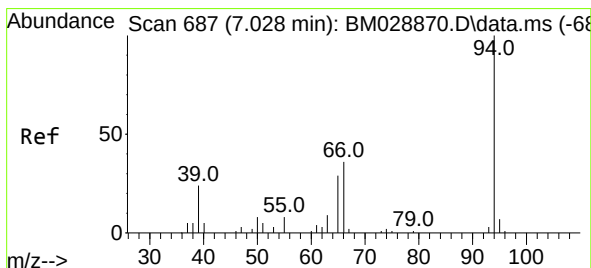
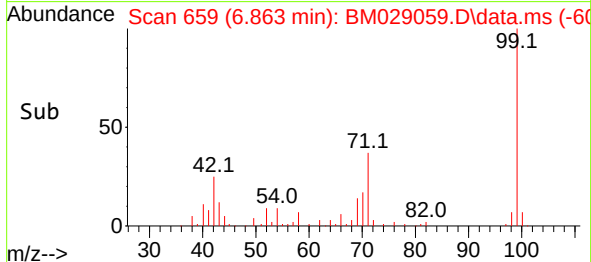
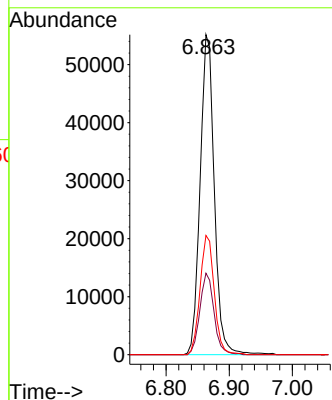
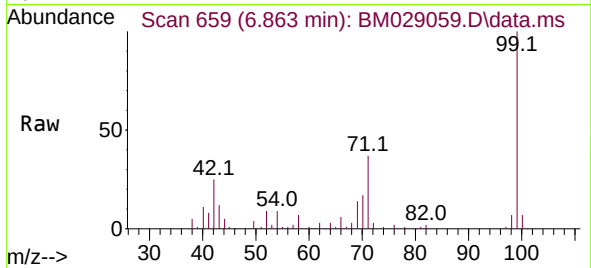




#7
Phenol-d6
Concen: 87.41 ng
RT: 6.863 min Scan# 659
Delta R.T. -0.006 min
Lab File: BM029059.D
Acq: 09 Mar 2021 23:09

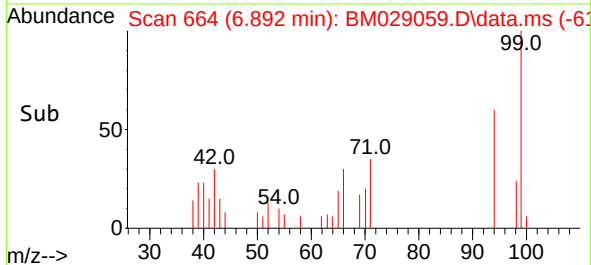
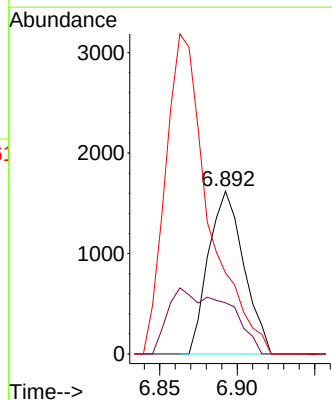
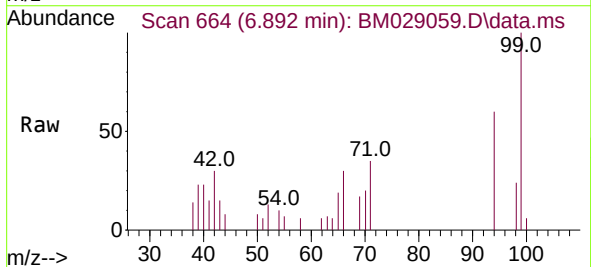
Instrument :
BNA_M
ClientSampled :
BIN-4

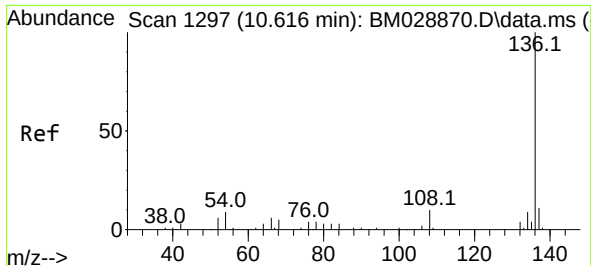
Tgt Ion: 99 Resp: 86033
Ion Ratio Lower Upper
99 100
42 25.4 13.5 20.3#
71 37.3 39.4 59.0#



#10
Phenol
Concen: 2.63 ng
RT: 6.892 min Scan# 664
Delta R.T. -0.006 min
Lab File: BM029059.D
Acq: 09 Mar 2021 23:09

Tgt Ion: 94 Resp: 2576
Ion Ratio Lower Upper
94 100
65 31.5 16.4 56.4
66 49.8 30.2 70.2

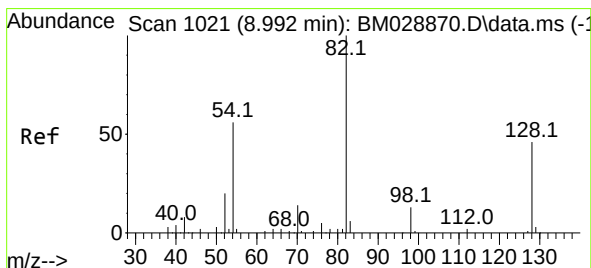
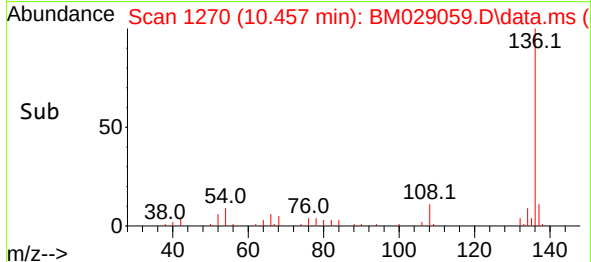
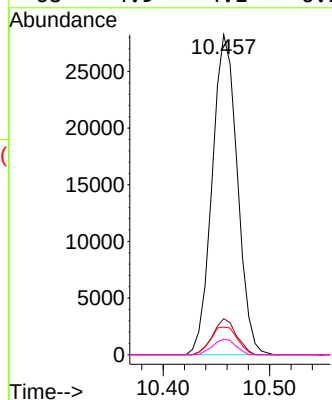
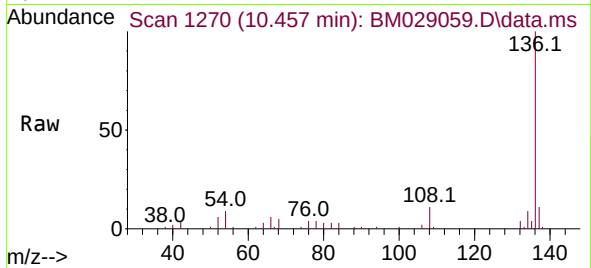




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.457 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BM029059.D
Acq: 09 Mar 2021 23:09

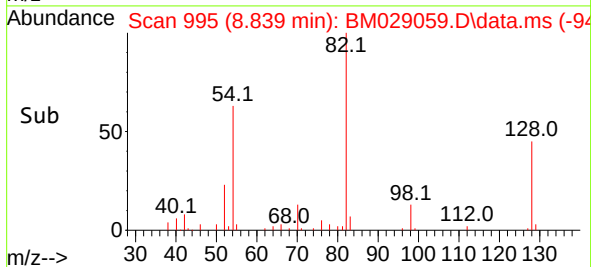
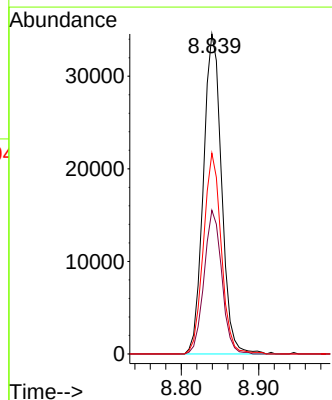
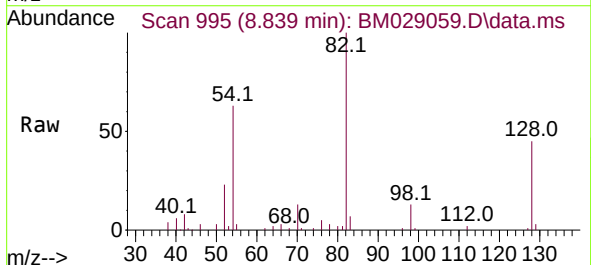
Instrument :
BNA_M
ClientSampled :
BIN-4

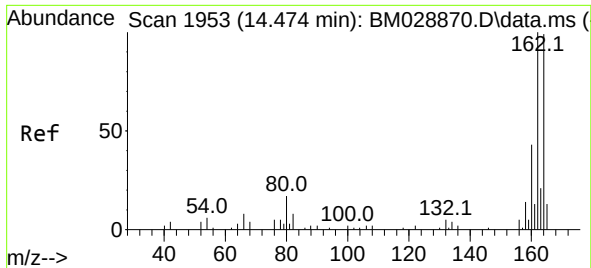
Tgt Ion:	136	Resp:	46282
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	12.8
54	8.7	4.6	7.0#
68	4.9	4.1	6.1



#23
Nitrobenzene-d5
Concen: 65.68 ng
RT: 8.839 min Scan# 995
Delta R.T. -0.006 min
Lab File: BM029059.D
Acq: 09 Mar 2021 23:09

Tgt Ion:	82	Resp:	56343
Ion	Ratio	Lower	Upper
82	100		
128	44.9	27.4	41.0#
54	62.7	31.4	47.0#

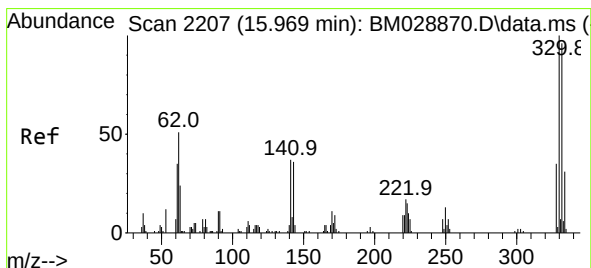
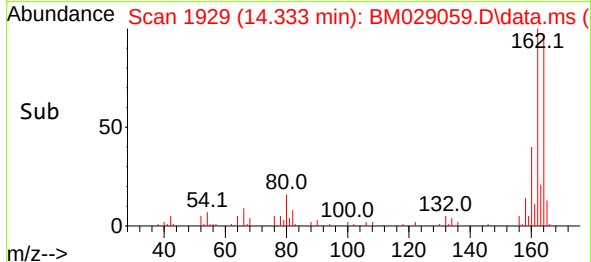
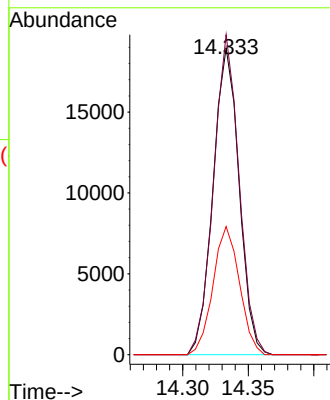
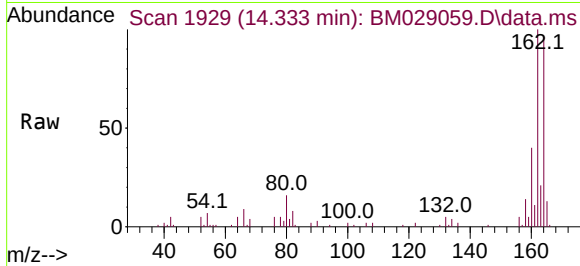




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.333 min Scan# 1929
Delta R.T. -0.006 min
Lab File: BM029059.D
Acq: 09 Mar 2021 23:09

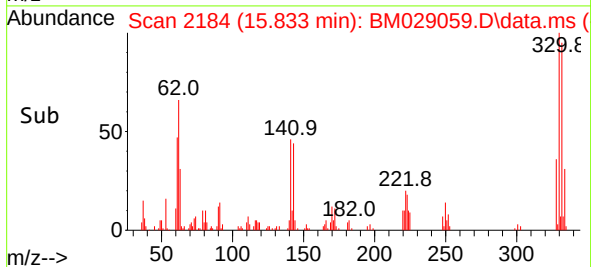
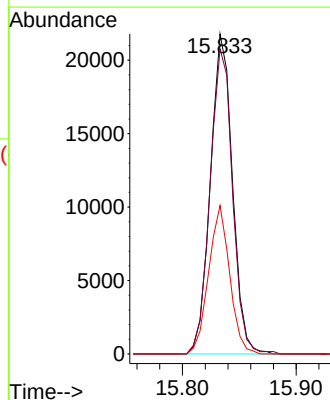
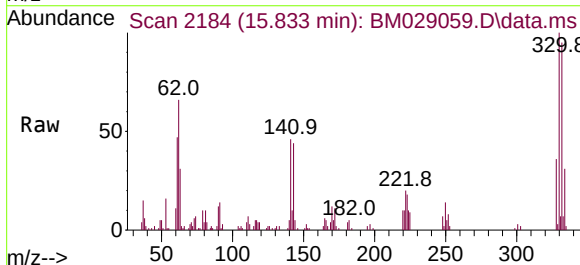
Instrument :
BNA_M
ClientSampleId :
BIN-4

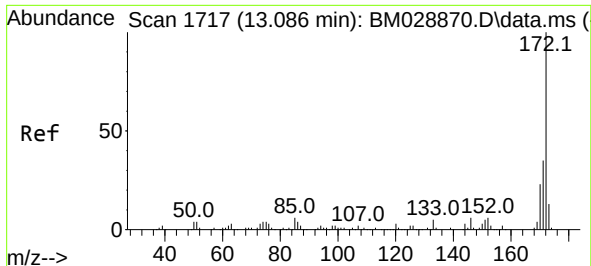
Tgt Ion:164	Resp:	26124
Ion Ratio	Lower	Upper
164	100	
162	104.3	80.4 120.6
160	41.8	35.9 53.9



#42
2,4,6-Tribromophenol
Concen: 94.89 ng
RT: 15.833 min Scan# 2184
Delta R.T. -0.006 min
Lab File: BM029059.D
Acq: 09 Mar 2021 23:09

Tgt Ion:330	Resp:	29381
Ion Ratio	Lower	Upper
330	100	
332	97.1	77.8 116.8
141	44.3	28.4 42.6#

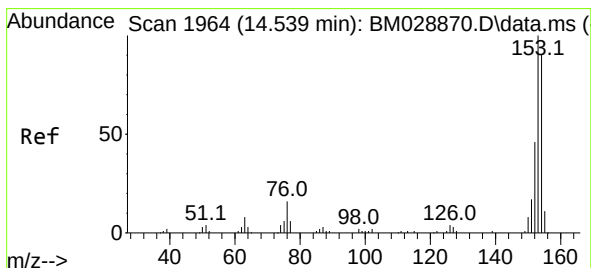
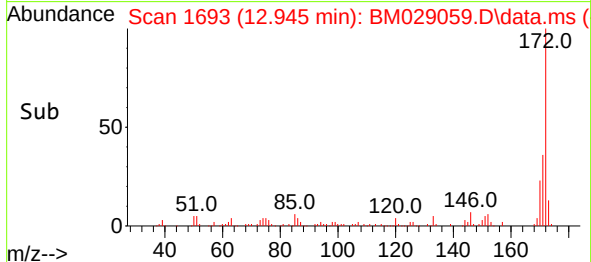
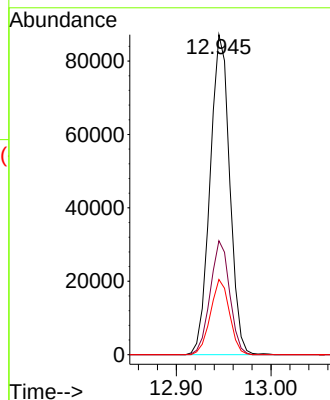
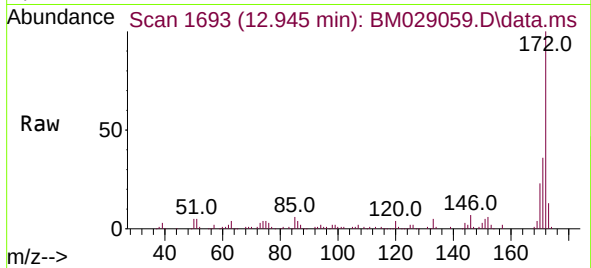




#45
2-Fluorobiphenyl
Concen: 64.12 ng
RT: 12.945 min Scan# 1693
Delta R.T. -0.006 min
Lab File: BM029059.D
Acq: 09 Mar 2021 23:09

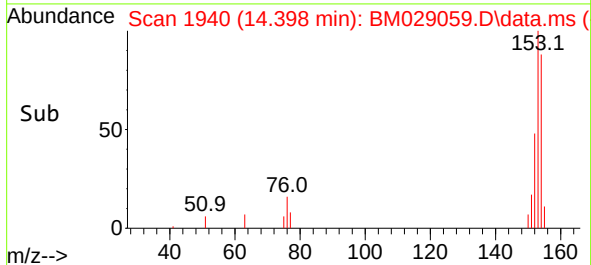
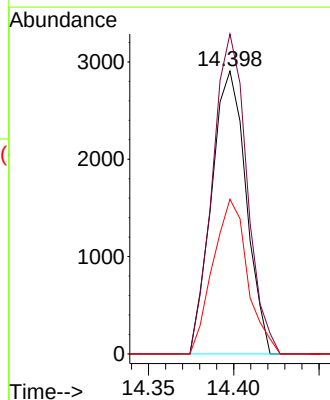
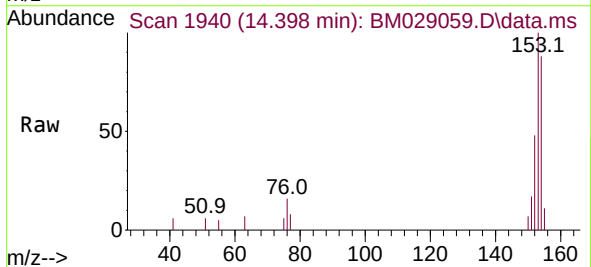
Instrument :
BNA_M
ClientSampled :
BIN-4

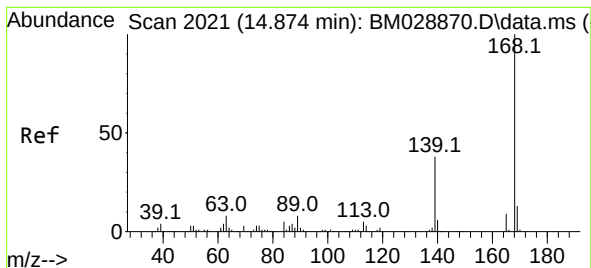
Tgt Ion:	172	Resp:	125831
Ion Ratio	Lower	Upper	
172	100		
171	35.6	27.8	41.8
170	23.5	18.6	27.8



#52
Acenaphthene
Concen: 2.55 ng
RT: 14.398 min Scan# 1940
Delta R.T. -0.006 min
Lab File: BM029059.D
Acq: 09 Mar 2021 23:09

Tgt Ion:	154	Resp:	4102
Ion Ratio	Lower	Upper	
154	100		
153	113.1	88.3	132.5
152	54.7	41.4	62.2

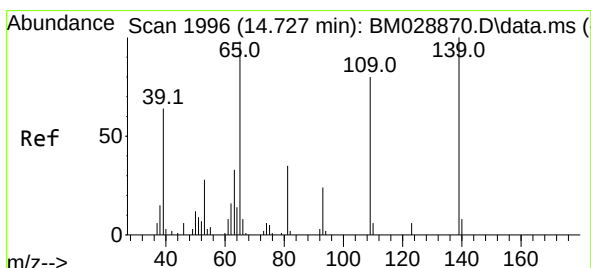
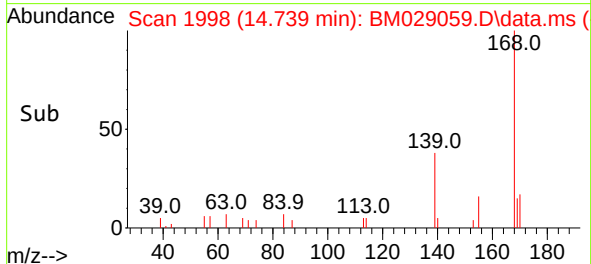
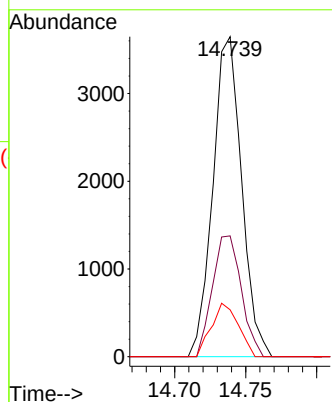
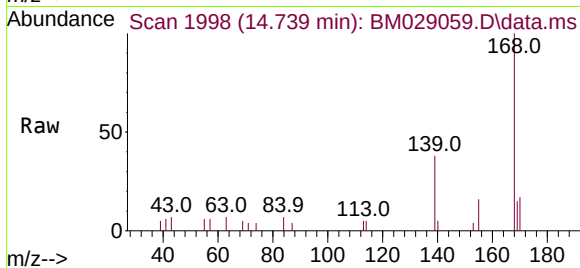




#55
Dibenzenofuran
Concen: 2.03 ng
RT: 14.739 min Scan# 1998
Delta R.T. -0.000 min
Lab File: BM029059.D
Acq: 09 Mar 2021 23:09

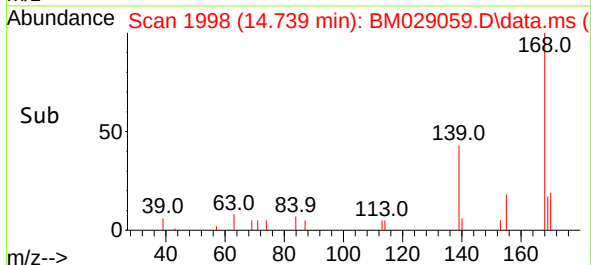
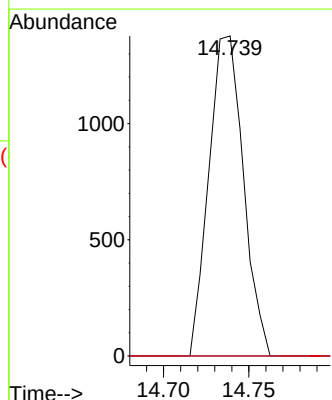
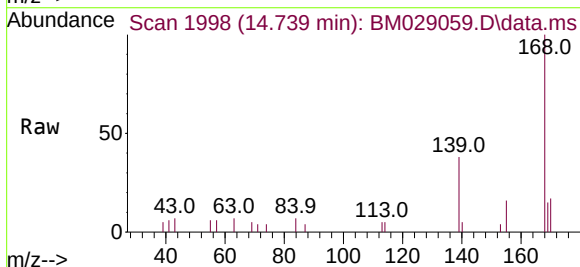
Instrument :
BNA_M
ClientSampleId :
BIN-4

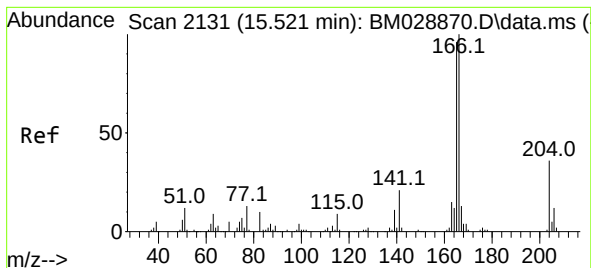
Tgt Ion:168 Resp: 5122
Ion Ratio Lower Upper
168 100
139 37.7 30.2 45.4
169 14.6 10.6 16.0



#56
4-Nitrophenol
Concen: 5.26 ng
RT: 14.739 min Scan# 1998
Delta R.T. 0.129 min
Lab File: BM029059.D
Acq: 09 Mar 2021 23:09

Tgt Ion:139 Resp: 1941
Ion Ratio Lower Upper
139 100
109 0.0 77.0 117.0#
65 0.0 103.4 143.4#





#58

Fluorene

Concen: 3.65 ng

RT: 15.386 min Scan# 2108

Delta R.T. -0.006 min

Lab File: BM029059.D

Acq: 09 Mar 2021 23:09

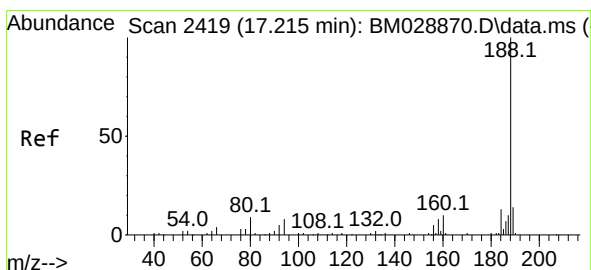
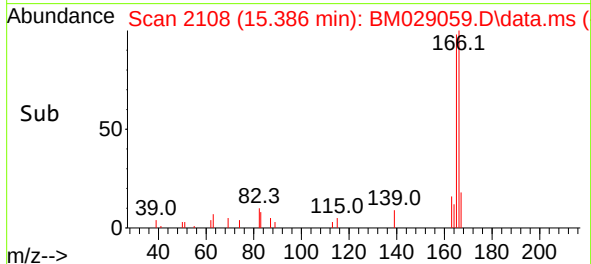
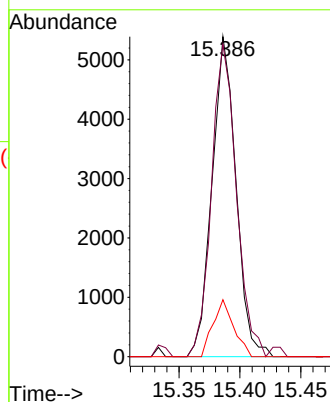
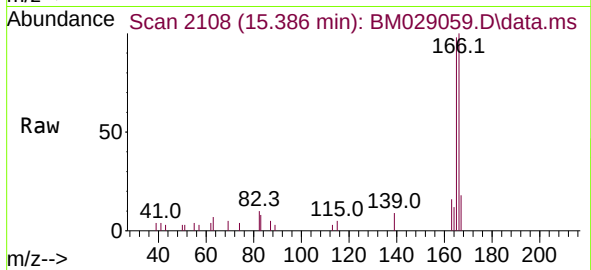
Tgt Ion:166	Resp:	7394
Ion Ratio	Lower	Upper
166	100	
165	97.6	76.2 114.2
167	17.8	10.7 16.1#

Instrument :

BNA_M

ClientSampleId :

BIN-4



#64

Phenanthrene-d10

Concen: 20.00 ng

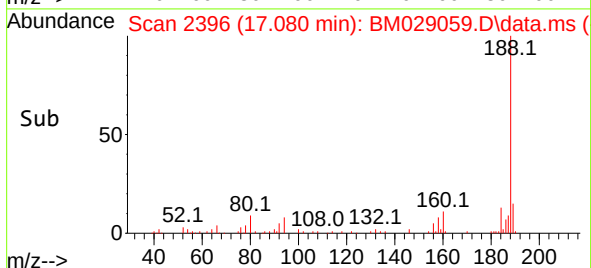
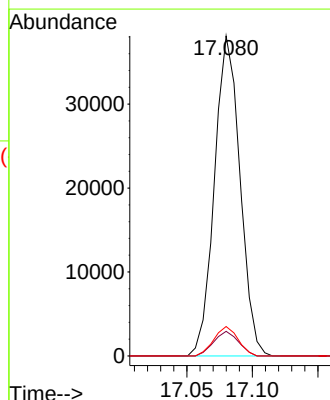
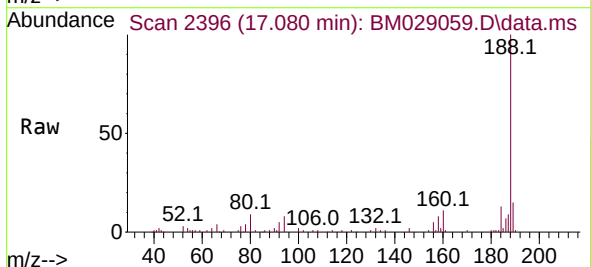
RT: 17.080 min Scan# 2396

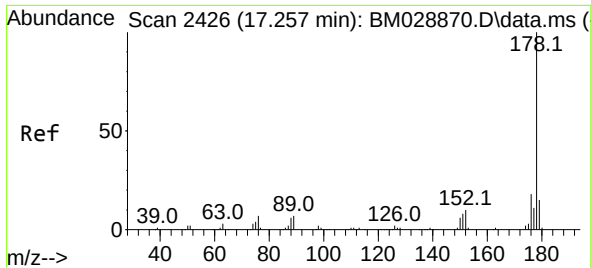
Delta R.T. -0.006 min

Lab File: BM029059.D

Acq: 09 Mar 2021 23:09

Tgt Ion:188	Resp:	51613
Ion Ratio	Lower	Upper
188	100	
94	7.7	6.2 9.4
80	9.2	7.5 11.3

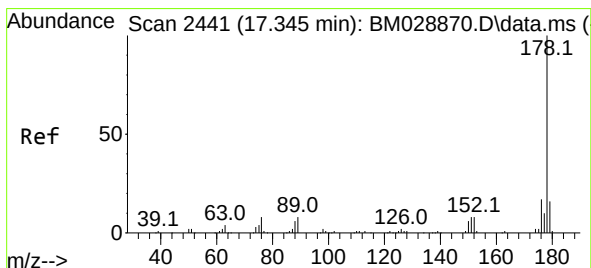
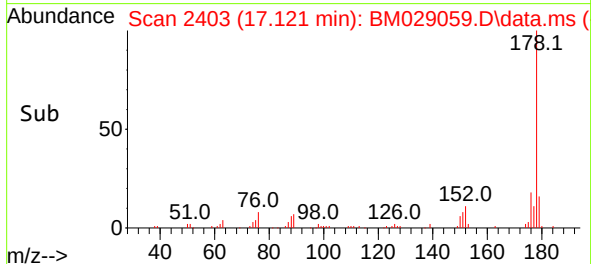
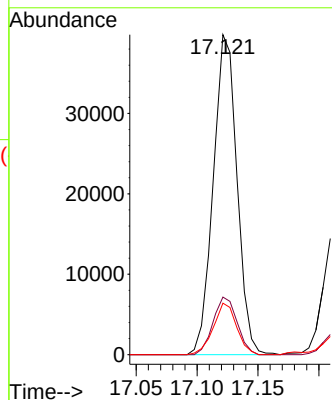
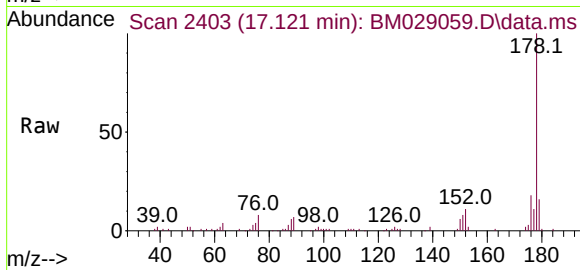




#71
Phenanthrene
Concen: 17.57 ng
RT: 17.121 min Scan# 2403
Delta R.T. -0.006 min
Lab File: BM029059.D
Acq: 09 Mar 2021 23:09

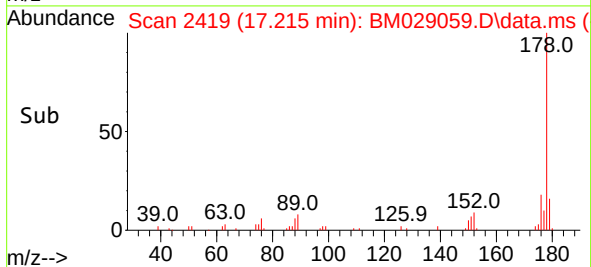
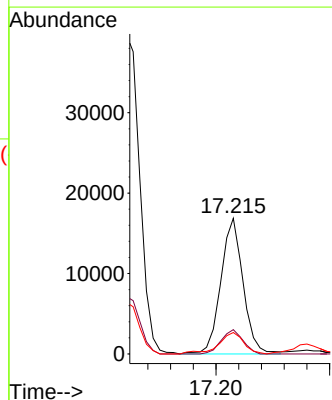
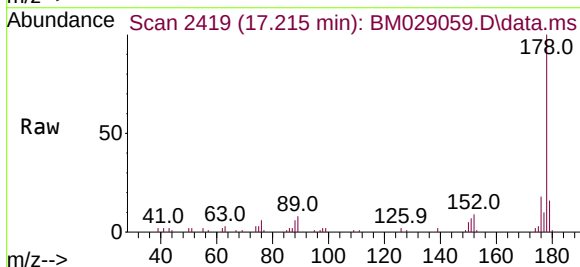
Instrument :
BNA_M
ClientSampled :
BIN-4

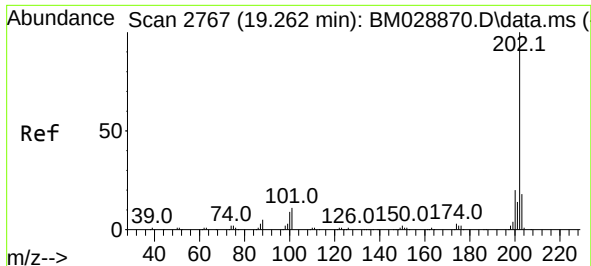
Tgt Ion:178 Resp: 54012
Ion Ratio Lower Upper
178 100
176 18.0 15.0 22.6
179 16.1 12.2 18.4



#72
Anthracene
Concen: 7.56 ng
RT: 17.215 min Scan# 2419
Delta R.T. -0.000 min
Lab File: BM029059.D
Acq: 09 Mar 2021 23:09

Tgt Ion:178 Resp: 23022
Ion Ratio Lower Upper
178 100
176 18.0 15.0 22.4
179 15.8 12.5 18.7

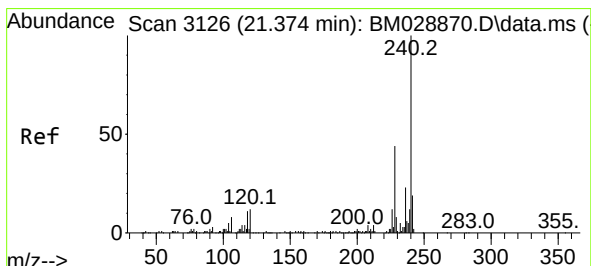
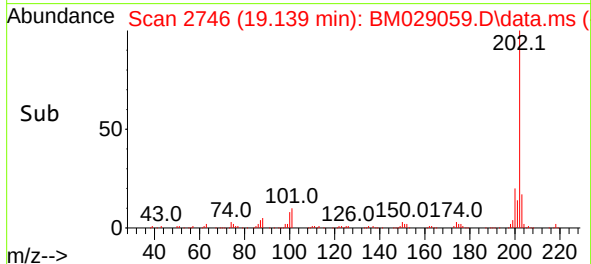
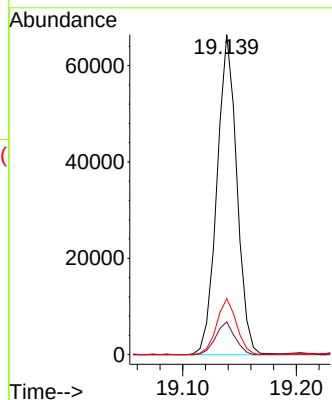
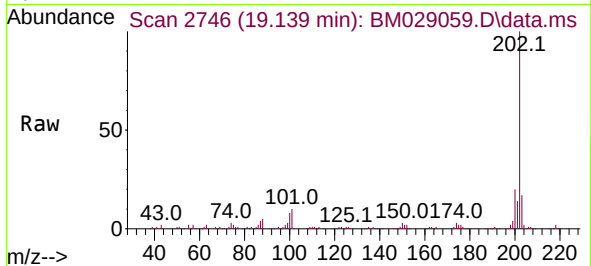




#75
Fluoranthene
Concen: 23.93 ng
RT: 19.139 min Scan# 2746
Delta R.T. -0.006 min
Lab File: BM029059.D
Acq: 09 Mar 2021 23:09

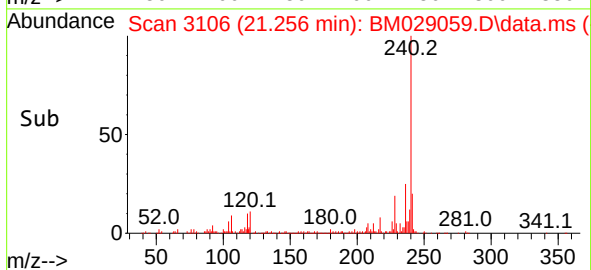
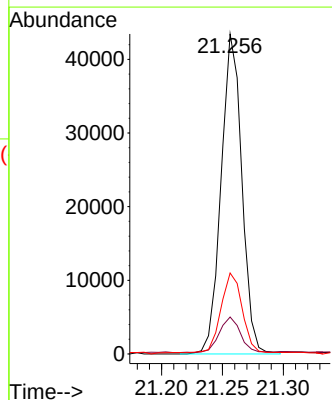
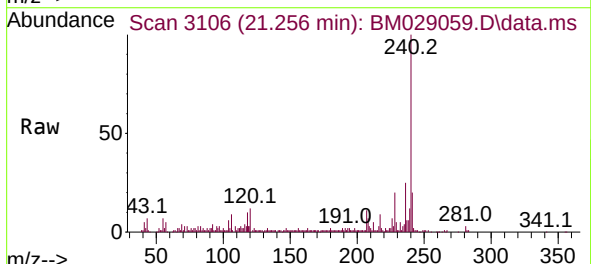
Instrument :
BNA_M
ClientSampleId :
BIN-4

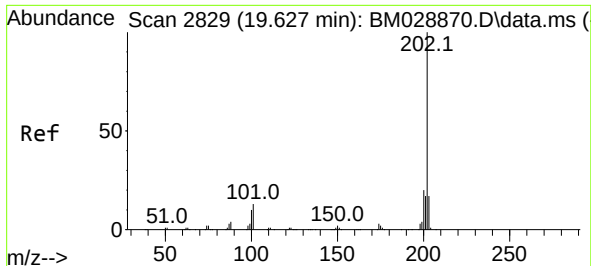
Tgt Ion:202	Resp:	80829
Ion Ratio	Lower	Upper
202	100	
101	10.3	0.0 28.5
203	17.5	0.0 37.3



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.256 min Scan# 3106
Delta R.T. -0.006 min
Lab File: BM029059.D
Acq: 09 Mar 2021 23:09

Tgt Ion:240	Resp:	51594
Ion Ratio	Lower	Upper
240	100	
120	11.5	6.4 9.6#
236	25.3	20.1 30.1

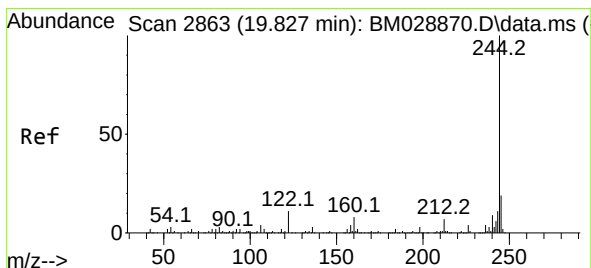
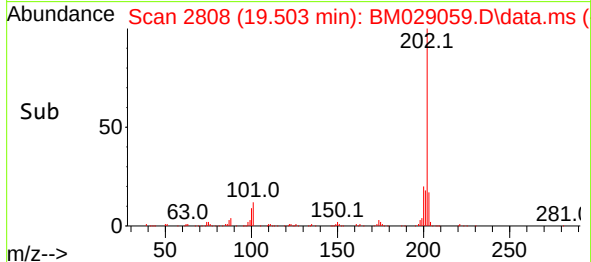
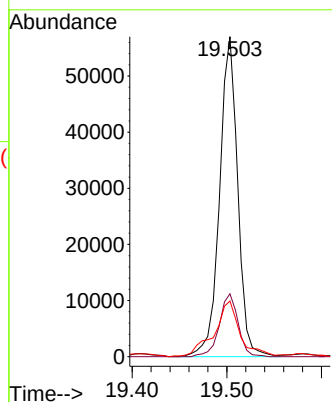
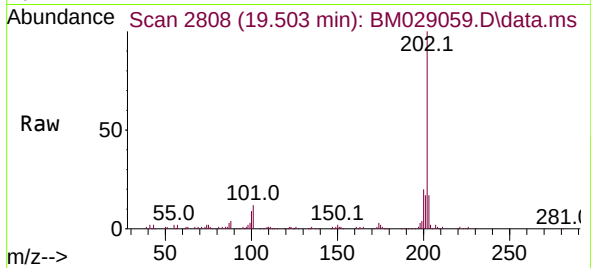




#78
Pyrene
Concen: 20.11 ng
RT: 19.503 min Scan# 2808
Delta R.T. -0.000 min
Lab File: BM029059.D
Acq: 09 Mar 2021 23:09

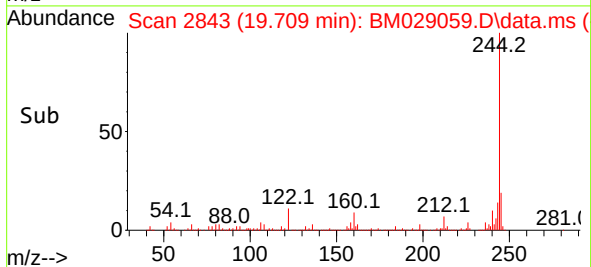
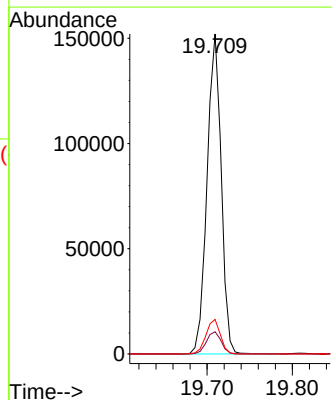
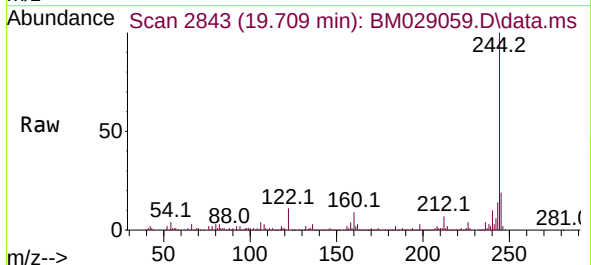
Instrument :
BNA_M
ClientSampleId :
BIN-4

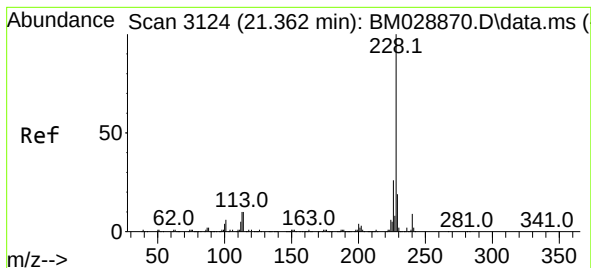
Tgt Ion:202 Resp: 76223
Ion Ratio Lower Upper
202 100
200 19.6 16.6 24.8
203 17.4 13.8 20.6



#79
Terphenyl-d14
Concen: 62.71 ng
RT: 19.709 min Scan# 2843
Delta R.T. -0.000 min
Lab File: BM029059.D
Acq: 09 Mar 2021 23:09

Tgt Ion:244 Resp: 175214
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.8
122 10.8 6.5 9.7#





#81

Benzo(a)anthracene

Concen: 11.21 ng

RT: 21.244 min Scan# 3104

Delta R.T. -0.000 min

Lab File: BM029059.D

Acq: 09 Mar 2021 23:09

Tgt Ion:228 Resp: 40128

Ion Ratio Lower Upper

228 100

226 26.6 21.1 31.7

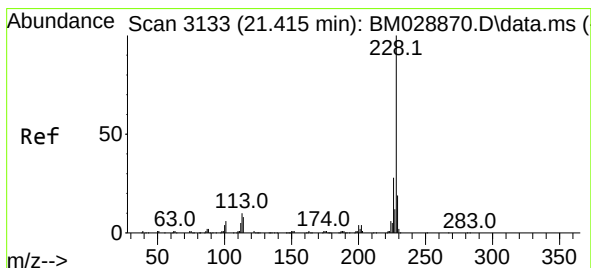
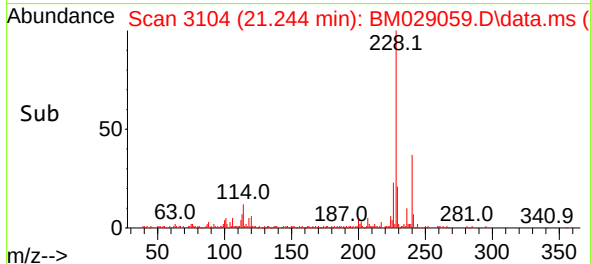
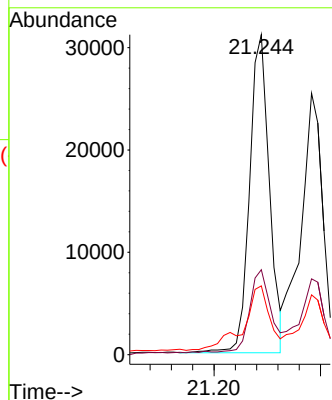
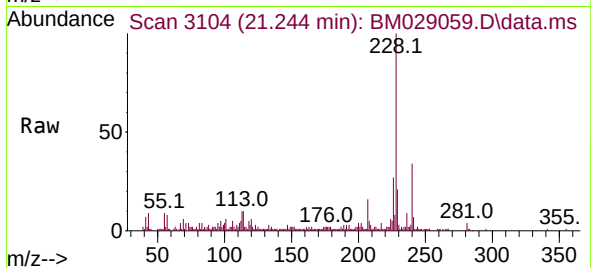
229 21.5 15.7 23.5

Instrument :

BNA_M

ClientSampled :

BIN-4



#83

Chrysene

Concen: 10.39 ng

RT: 21.291 min Scan# 3112

Delta R.T. -0.006 min

Lab File: BM029059.D

Acq: 09 Mar 2021 23:09

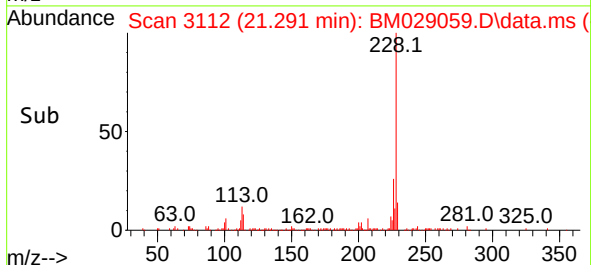
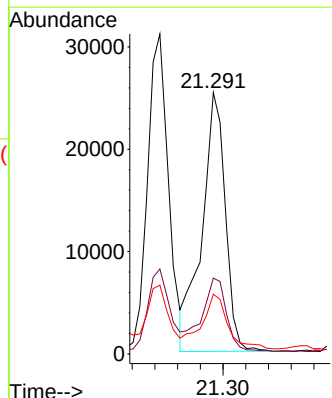
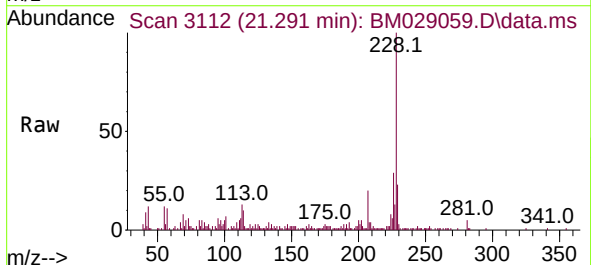
Tgt Ion:228 Resp: 36243

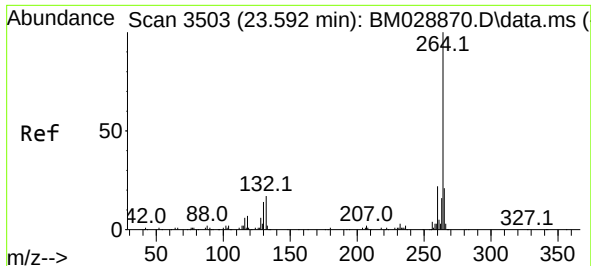
Ion Ratio Lower Upper

228 100

226 29.0 23.4 35.0

229 22.9 15.7 23.5

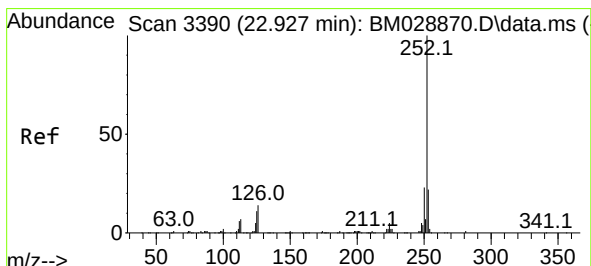
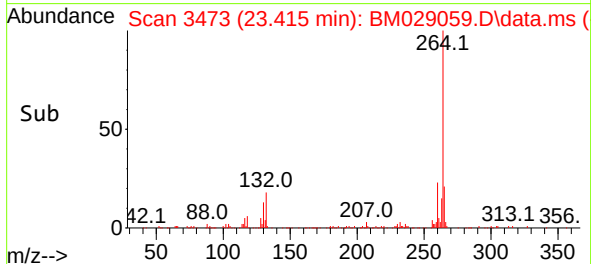
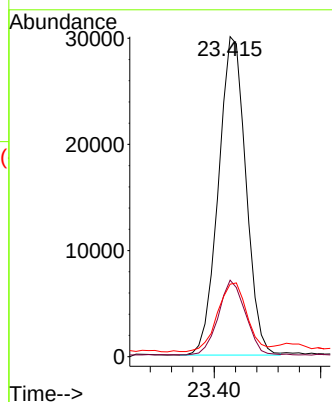
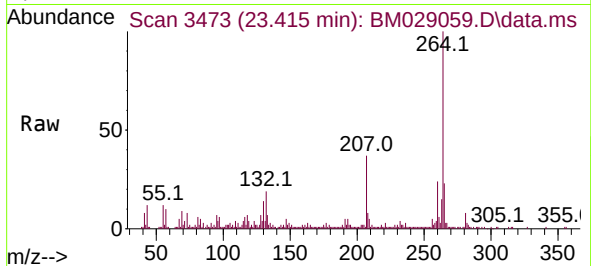




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.415 min Scan# 3473
 Delta R.T. -0.006 min
 Lab File: BM029059.D
 Acq: 09 Mar 2021 23:09

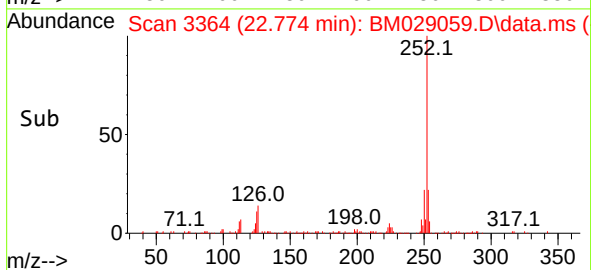
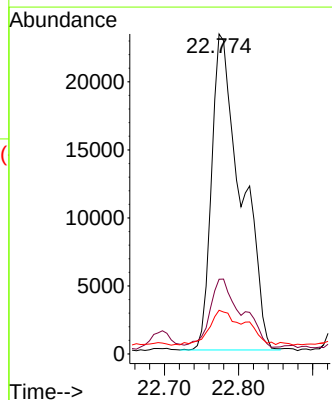
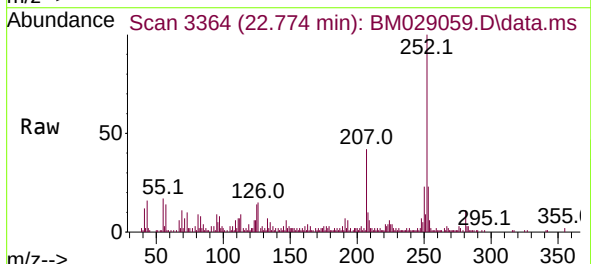
Instrument :
 BNA_M
 ClientSampleId :
 BIN-4

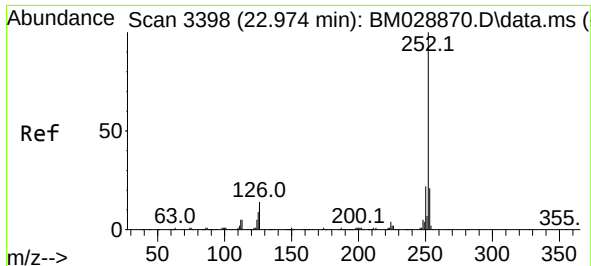
Tgt Ion:264	Resp:	53614
Ion Ratio	Lower	Upper
264	100	
260	23.9	19.0 28.4
265	22.7	17.7 26.5



#88
 Benzo(b)fluoranthene
 Concen: 17.02 ng
 RT: 22.774 min Scan# 3364
 Delta R.T. -0.006 min
 Lab File: BM029059.D
 Acq: 09 Mar 2021 23:09

Tgt Ion:252	Resp:	64456
Ion Ratio	Lower	Upper
252	100	
253	23.3	17.4 26.0
125	13.6	5.7 8.5#

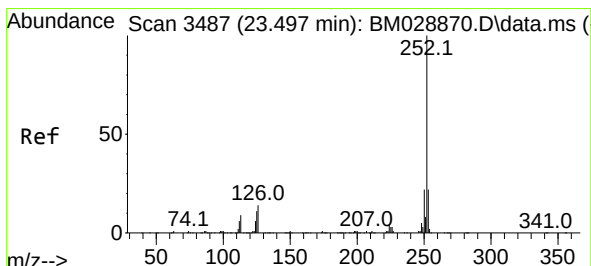
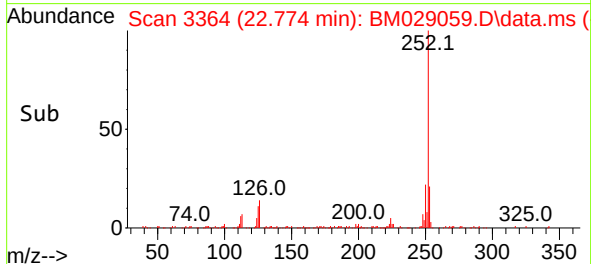
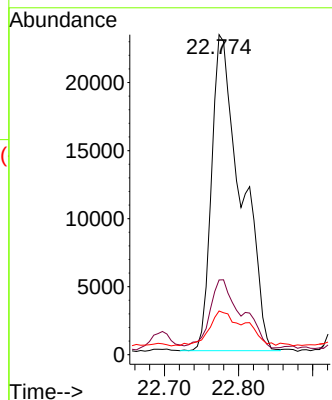
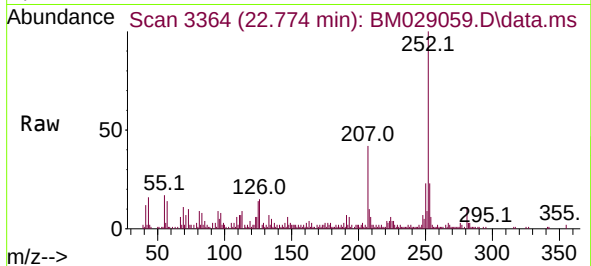




#89
Benzo(k)fluoranthene
Concen: 17.92 ng
RT: 22.774 min Scan# 3364
Delta R.T. -0.047 min
Lab File: BM029059.D
Acq: 09 Mar 2021 23:09

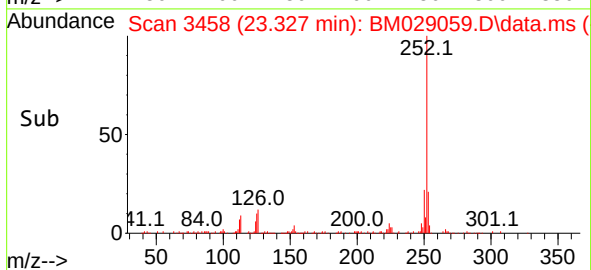
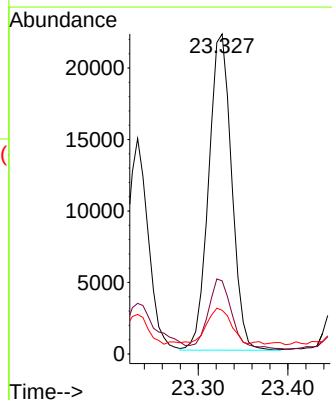
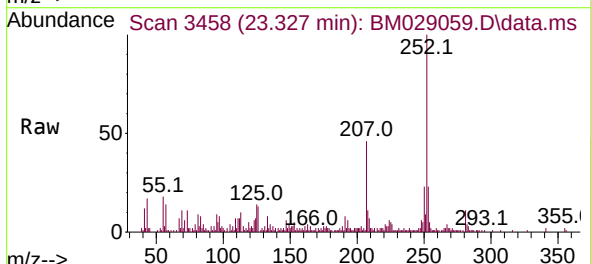
Instrument :
BNA_M
ClientSampled :
BIN-4

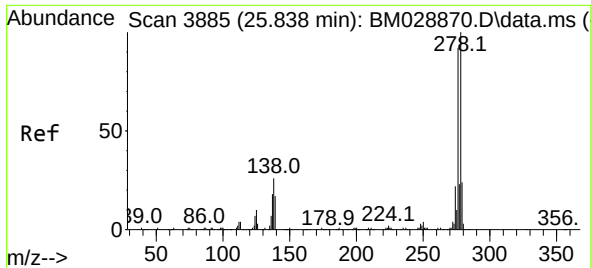
Tgt Ion:252 Resp: 64456
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.0
125 13.6 5.6 8.4#



#90
Benzo(a)pyrene
Concen: 11.38 ng
RT: 23.327 min Scan# 3458
Delta R.T. -0.006 min
Lab File: BM029059.D
Acq: 09 Mar 2021 23:09

Tgt Ion:252 Resp: 39325
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.2
125 13.6 6.6 9.8#

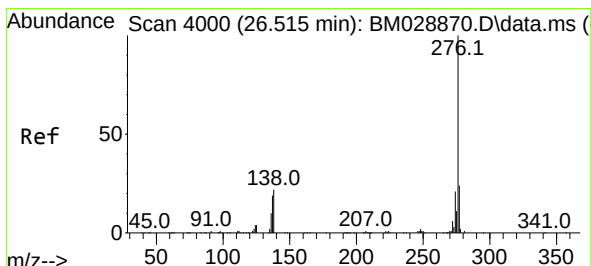
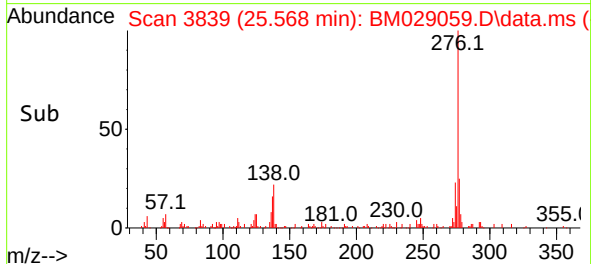
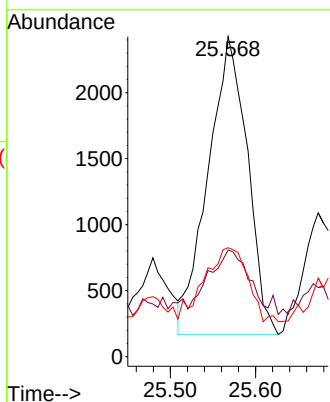
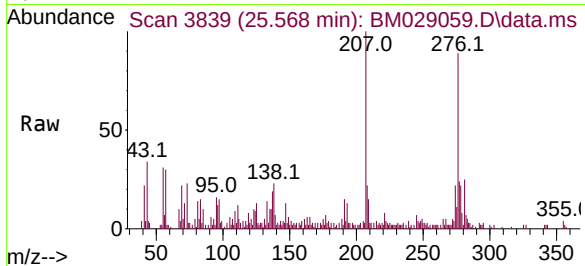




#91
Dibenzo(a,h)anthracene
Concen: 2.06 ng
RT: 25.568 min Scan# 3839
Delta R.T. -0.018 min
Lab File: BM029059.D
Acq: 09 Mar 2021 23:09

Instrument :
BNA_M
ClientSampled :
BIN-4

Tgt Ion:278 Resp: 7238
Ion Ratio Lower Upper
278 100
139 33.3 9.0 13.6#
279 34.0 19.0 28.4#



#92
Benzo(g,h,i)perylene
Concen: 7.88 ng
RT: 26.226 min Scan# 3951
Delta R.T. -0.012 min
Lab File: BM029059.D
Acq: 09 Mar 2021 23:09

Tgt Ion:276 Resp: 26744
Ion Ratio Lower Upper
276 100
277 23.8 18.6 28.0
138 23.4 12.2 18.2#

