

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM030921\
 Data File : BM029061.D
 Acq On : 10 Mar 2021 00:21
 Operator : CG/JU
 Sample : M1602-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SU-02-030821

Quant Time: Mar 10 01:53:26 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)

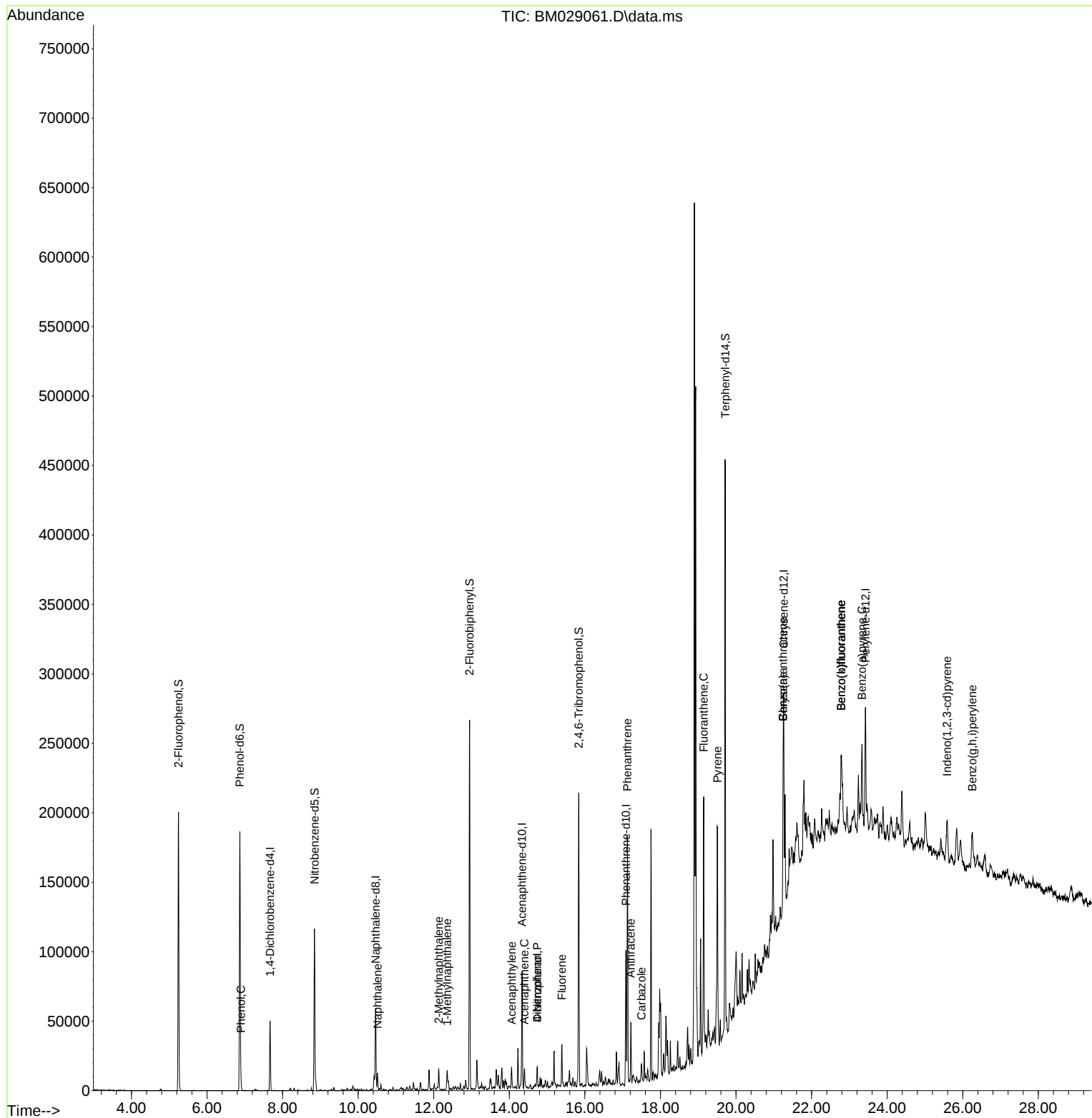
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.669	152	12808	20.00	ng	0.00
21) Naphthalene-d8	10.463	136	46993	20.00	ng	# 0.00
39) Acenaphthene-d10	14.339	164	26669	20.00	ng	0.00
64) Phenanthrene-d10	17.086	188	52543	20.00	ng	0.00
76) Chrysene-d12	21.262	240	53747	20.00	ng	# 0.00
86) Perylene-d12	23.427	264	55537	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.246	112	78319	101.35	ng	0.00
7) Phenol-d6	6.869	99	90387	88.56	ng	0.00
23) Nitrobenzene-d5	8.845	82	59328	68.11	ng	0.00
42) 2,4,6-Tribromophenol	15.839	330	30154	95.40	ng	0.00
45) 2-Fluorobiphenyl	12.951	172	127238	63.51	ng	0.00
79) Terphenyl-d14	19.715	244	173883	59.74	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.898	94	2163	2.13	ng	97
31) Naphthalene	10.510	128	9281	3.58	ng	99
37) 2-Methylnaphthalene	12.133	142	7502	4.12	ng	98
38) 1-Methylnaphthalene	12.357	142	6717	3.89	ng	94
49) Acenaphthylene	14.063	152	10032	3.74	ng	# 95
52) Acenaphthene	14.404	154	5128	3.12	ng	99
55) Dibenzofuran	14.739	168	5204	2.02	ng	# 88
56) 4-Nitrophenol	14.739	139	2128	5.65	ng	# 1
58) Fluorene	15.392	166	13255	6.41	ng	93
71) Phenanthrene	17.127	178	94667	30.26	ng	99
72) Anthracene	17.215	178	25092	8.10	ng	98
73) Carbazole	17.498	167	7188	2.42	ng	98
75) Fluoranthene	19.145	202	78004	22.69	ng	98
78) Pyrene	19.509	202	91411	23.15	ng	99
81) Benzo(a)anthracene	21.245	228	40878	10.96	ng	97
83) Chrysene	21.245	228	40878	11.25	ng	95
87) Indeno(1,2,3-cd)pyrene	25.585	276	20275	4.84	ng	# 92
88) Benzo(b)fluoranthene	22.780	252	54895	13.99	ng	# 86
89) Benzo(k)fluoranthene	22.780	252	54895	14.73	ng	# 86
90) Benzo(a)pyrene	23.333	252	37277	10.41	ng	# 89
92) Benzo(g,h,i)perylene	26.250	276	23621	6.72	ng	# 84

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

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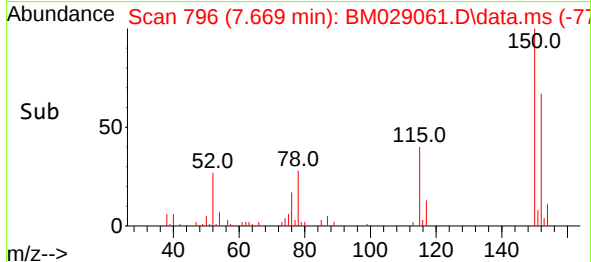
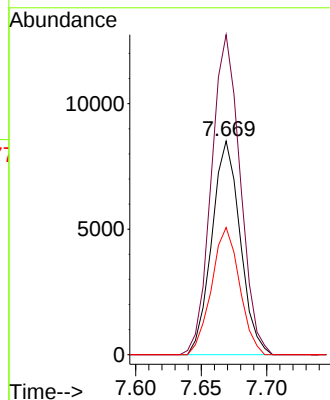
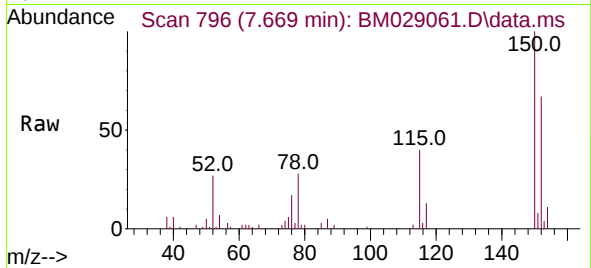




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.669 min Scan# 796
Delta R.T. 0.000 min
Lab File: BM029061.D
Acq: 10 Mar 2021 00:21

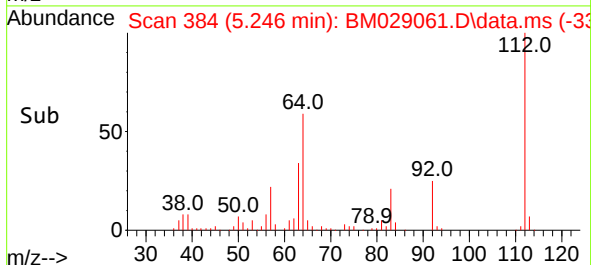
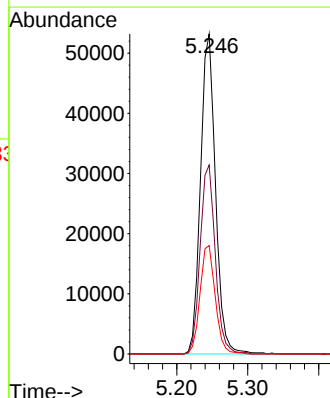
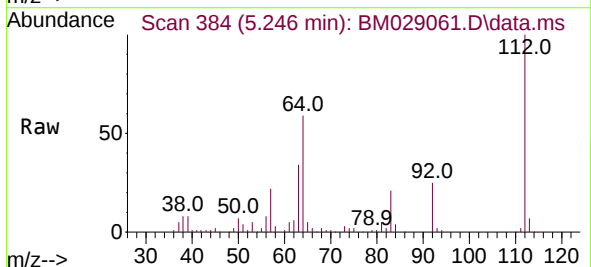
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BNA_M
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SU-02-030821

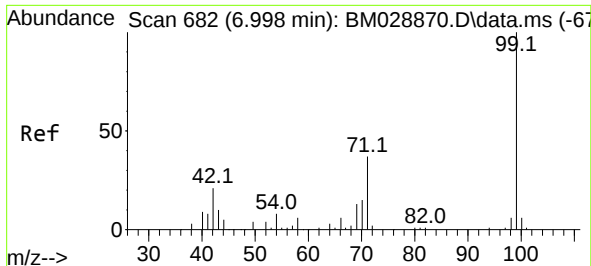
Tgt Ion:152 Resp: 12808
Ion Ratio Lower Upper
152 100
150 149.8 120.6 181.0
115 59.5 47.2 70.8



#5
2-Fluorophenol
Concen: 101.35 ng
RT: 5.246 min Scan# 384
Delta R.T. 0.000 min
Lab File: BM029061.D
Acq: 10 Mar 2021 00:21

Tgt Ion:112 Resp: 78319
Ion Ratio Lower Upper
112 100
64 59.0 50.6 76.0
63 33.9 31.0 46.6

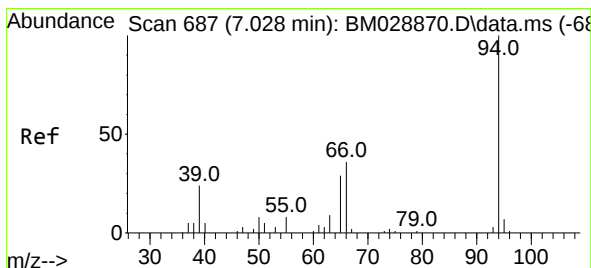
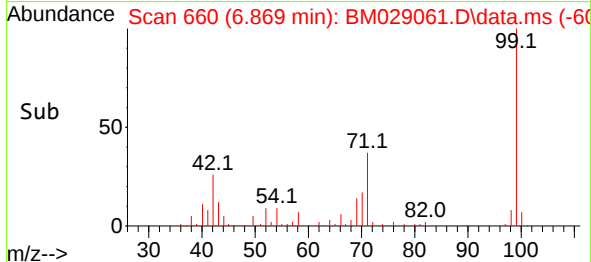
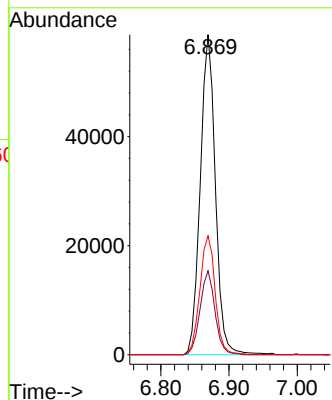
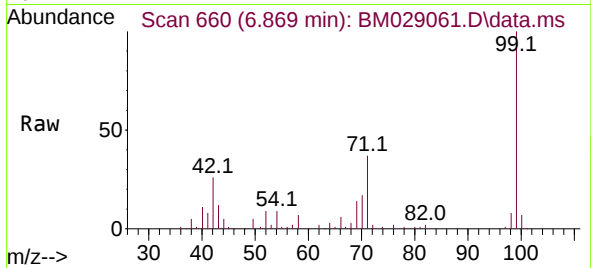




#7
Phenol-d6
Concen: 88.56 ng
RT: 6.869 min Scan# 660
Delta R.T. 0.000 min
Lab File: BM029061.D
Acq: 10 Mar 2021 00:21

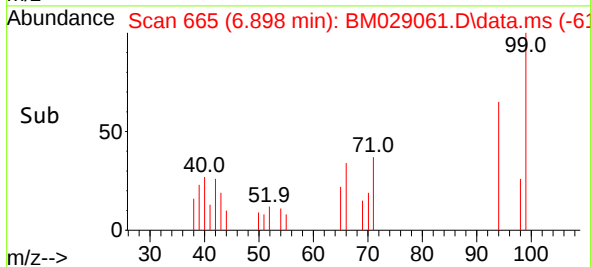
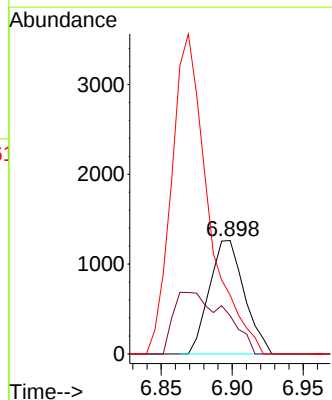
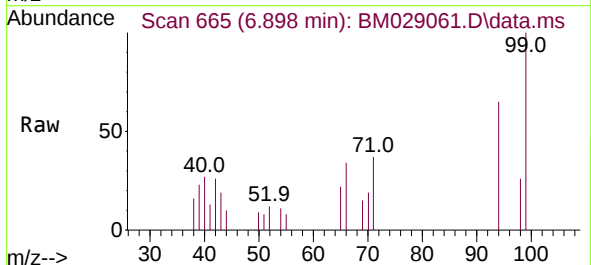
Instrument :
BNA_M
ClientSampleId :
SU-02-030821

Tgt Ion: 99 Resp: 90387
Ion Ratio Lower Upper
99 100
42 26.2 13.5 20.3#
71 37.2 39.4 59.0#



#10
Phenol
Concen: 2.13 ng
RT: 6.898 min Scan# 665
Delta R.T. 0.000 min
Lab File: BM029061.D
Acq: 10 Mar 2021 00:21

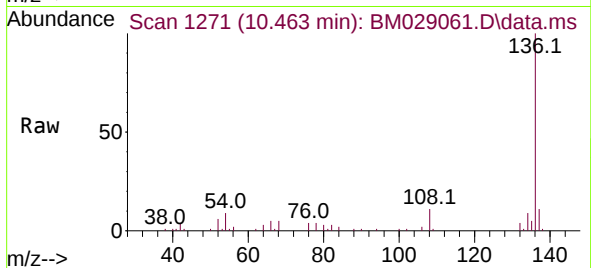
Tgt Ion: 94 Resp: 2163
Ion Ratio Lower Upper
94 100
65 33.7 16.4 56.4
66 51.9 30.2 70.2



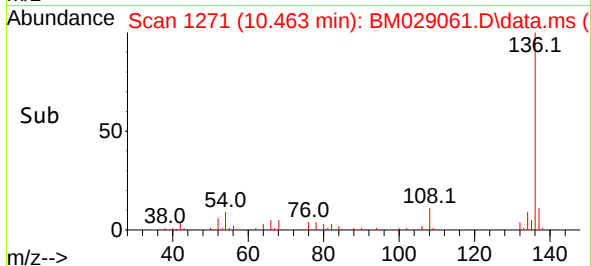
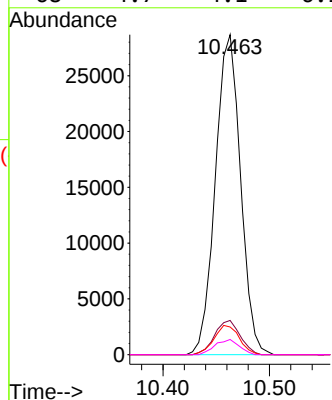


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.463 min Scan# 1271
Delta R.T. 0.000 min
Lab File: BM029061.D
Acq: 10 Mar 2021 00:21

Instrument :
BNA_M
ClientSampleId :
SU-02-030821

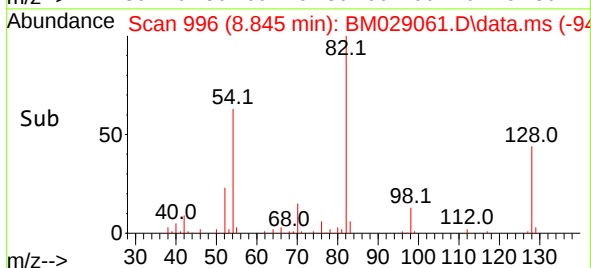
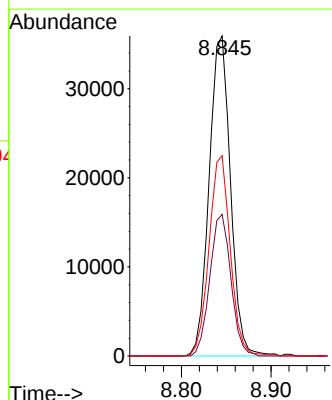
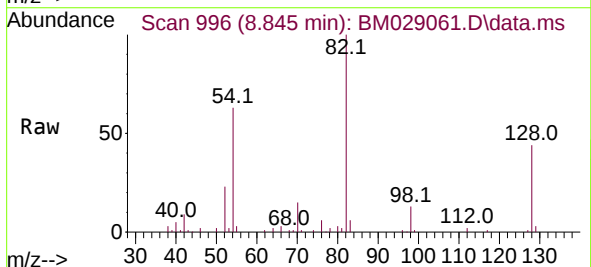


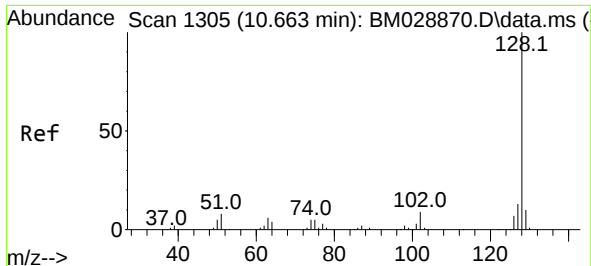
Tgt Ion:136 Resp: 46993
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 8.7 4.6 7.0#
68 4.7 4.1 6.1



#23
Nitrobenzene-d5
Concen: 68.11 ng
RT: 8.845 min Scan# 996
Delta R.T. 0.000 min
Lab File: BM029061.D
Acq: 10 Mar 2021 00:21

Tgt Ion: 82 Resp: 59328
Ion Ratio Lower Upper
82 100
128 44.3 27.4 41.0#
54 62.6 31.4 47.0#

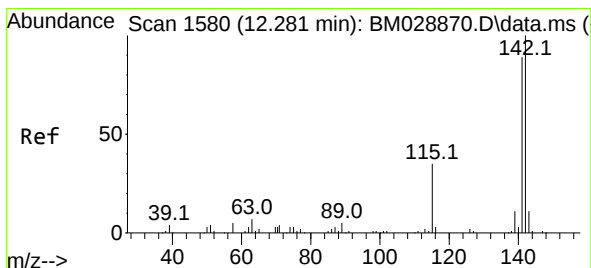
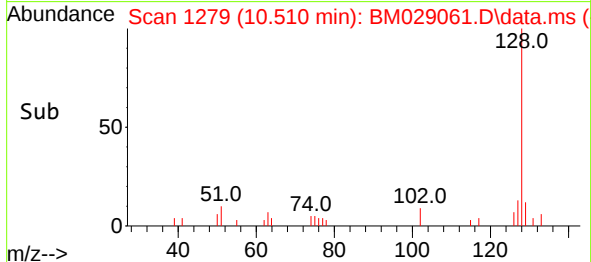
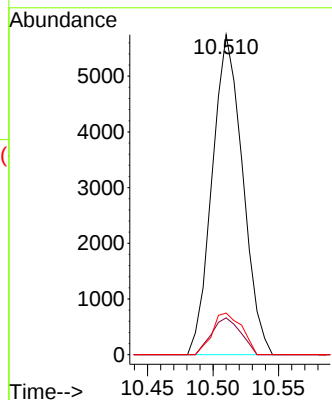
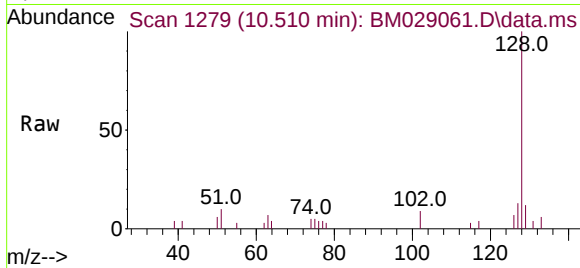




#31
Naphthalene
Concen: 3.58 ng
RT: 10.510 min Scan# 1279
Delta R.T. -0.006 min
Lab File: BM029061.D
Acq: 10 Mar 2021 00:21

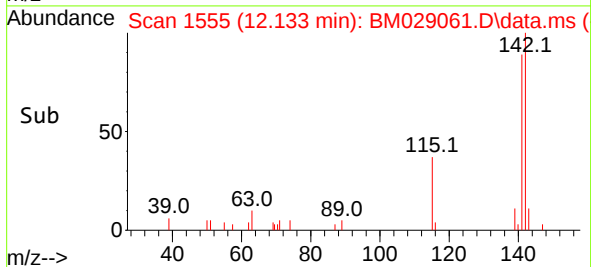
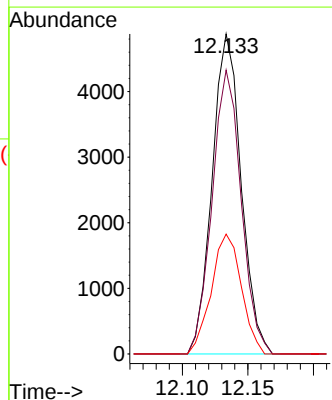
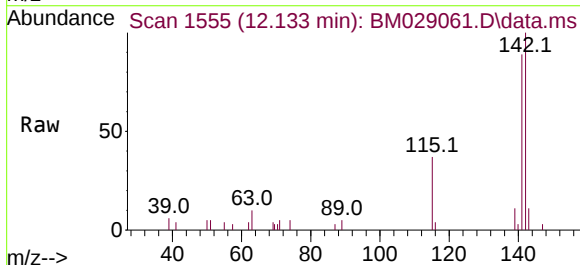
Instrument :
BNA_M
ClientSampleId :
SU-02-030821

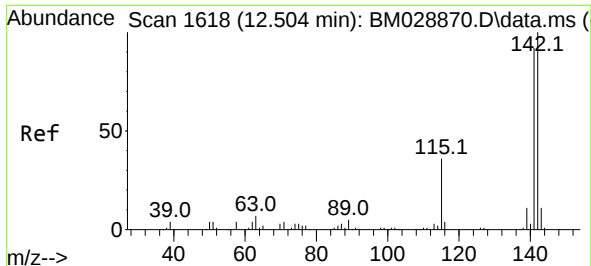
Tgt Ion:128	Resp:	9281
Ion Ratio	Lower	Upper
128	100	
129	11.5	9.0 13.4
127	13.0	10.6 15.8



#37
2-Methylnaphthalene
Concen: 4.12 ng
RT: 12.133 min Scan# 1555
Delta R.T. 0.000 min
Lab File: BM029061.D
Acq: 10 Mar 2021 00:21

Tgt Ion:142	Resp:	7502
Ion Ratio	Lower	Upper
142	100	
141	88.7	70.3 105.5
115	37.5	32.2 48.4

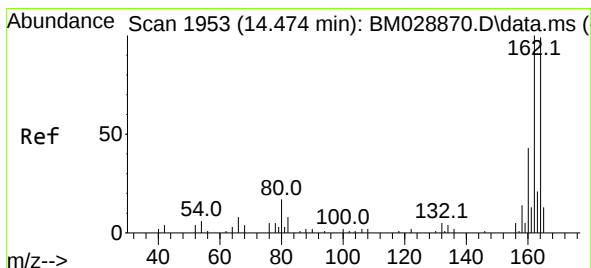
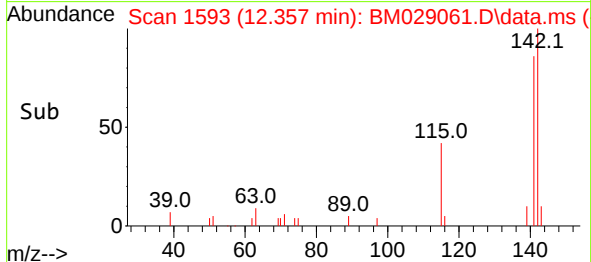
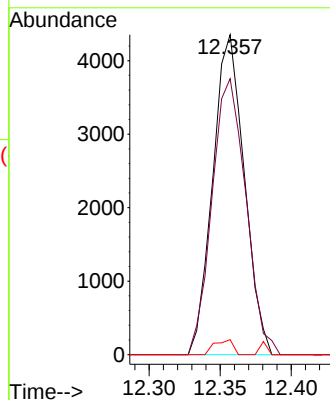
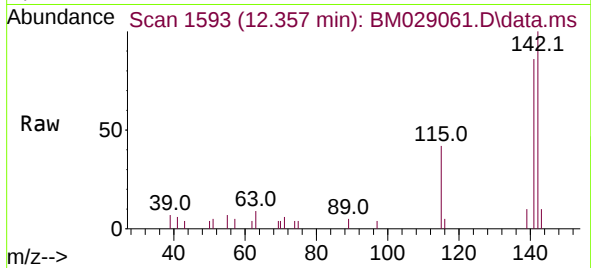




#38
1-Methylnaphthalene
Concen: 3.89 ng
RT: 12.357 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BM029061.D
Acq: 10 Mar 2021 00:21

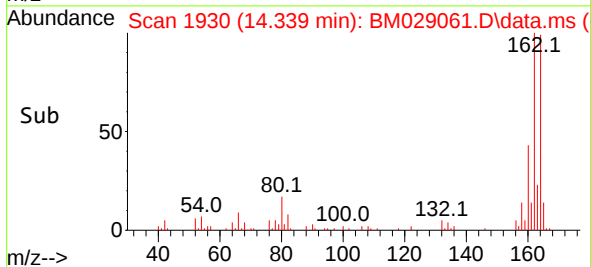
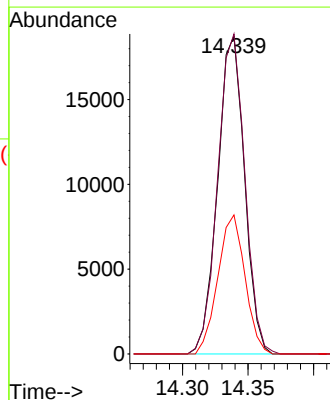
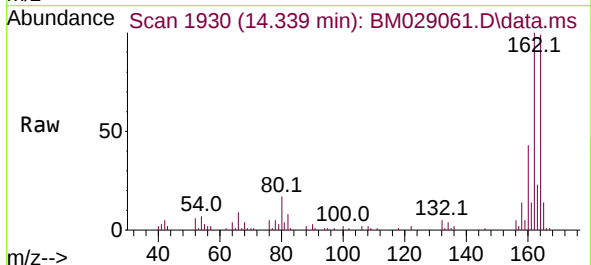
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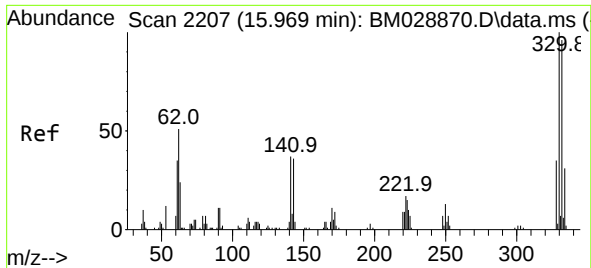
Tgt Ion:142 Resp: 6717
Ion Ratio Lower Upper
142 100
141 86.2 73.8 110.6
116 4.7 3.5 5.3



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.339 min Scan# 1930
Delta R.T. 0.000 min
Lab File: BM029061.D
Acq: 10 Mar 2021 00:21

Tgt Ion:164 Resp: 26669
Ion Ratio Lower Upper
164 100
162 100.6 80.4 120.6
160 43.8 35.9 53.9

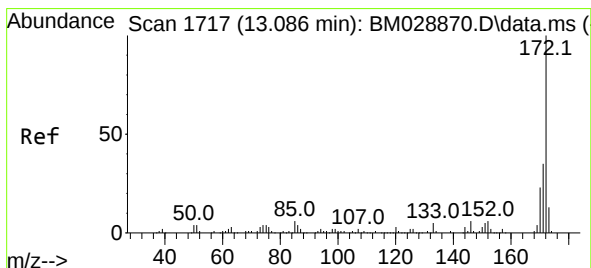
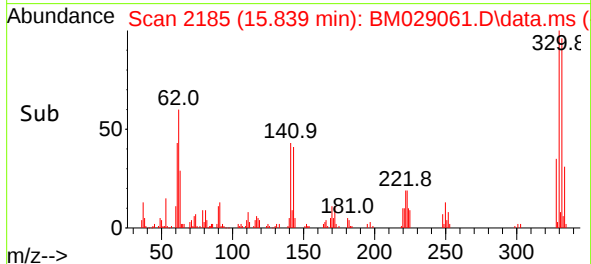
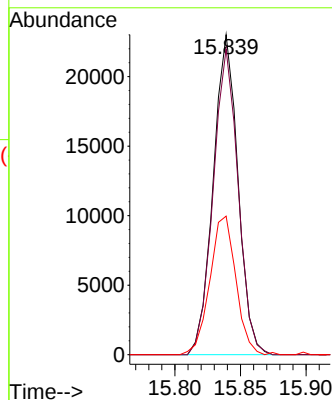
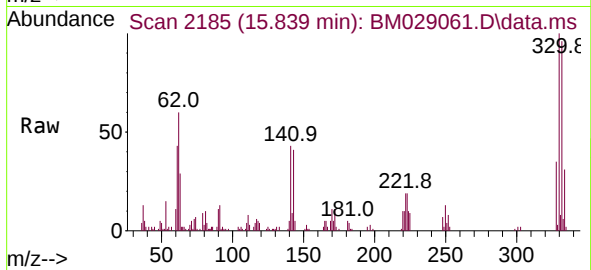




#42
2,4,6-Tribromophenol
Concen: 95.40 ng
RT: 15.839 min Scan# 2185
Delta R.T. -0.000 min
Lab File: BM029061.D
Acq: 10 Mar 2021 00:21

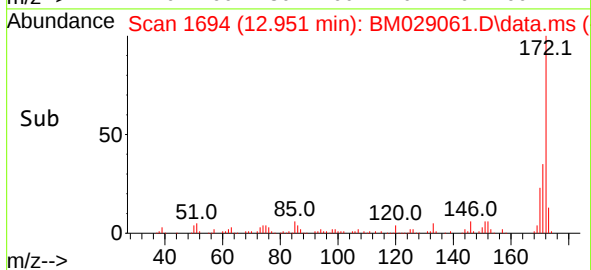
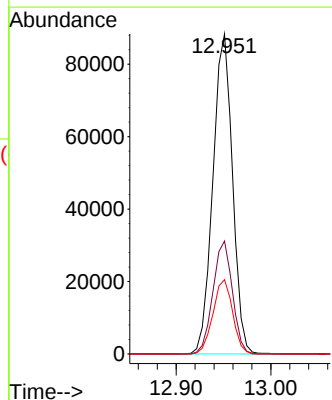
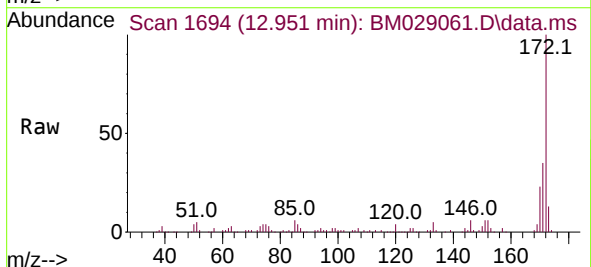
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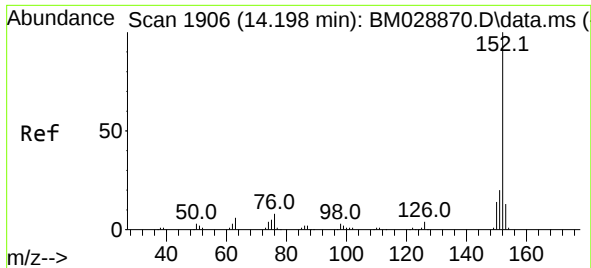
Tgt Ion:330 Resp: 30154
Ion Ratio Lower Upper
330 100
332 96.1 77.8 116.8
141 45.7 28.4 42.6#



#45
2-Fluorobiphenyl
Concen: 63.51 ng
RT: 12.951 min Scan# 1694
Delta R.T. -0.000 min
Lab File: BM029061.D
Acq: 10 Mar 2021 00:21

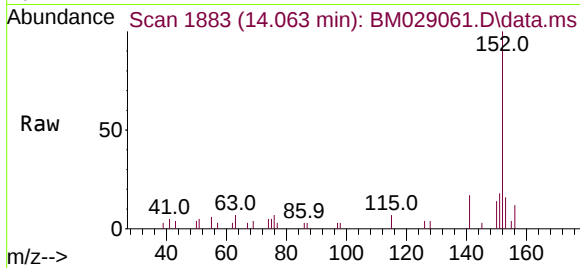
Tgt Ion:172 Resp: 127238
Ion Ratio Lower Upper
172 100
171 35.3 27.8 41.8
170 23.2 18.6 27.8



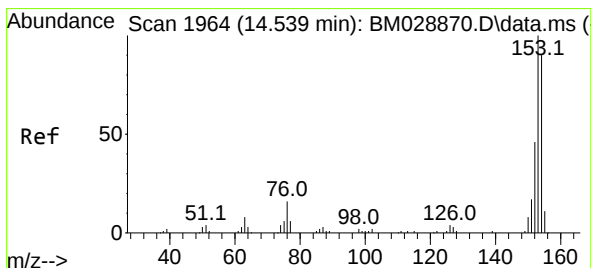
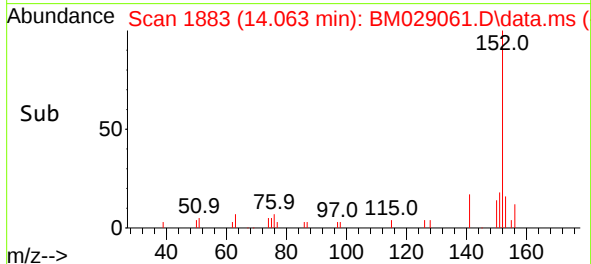
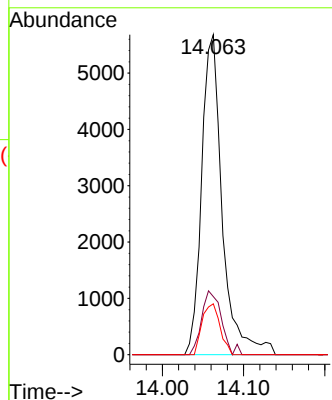


#49
Acenaphthylene
Concen: 3.74 ng
RT: 14.063 min Scan# 1883
Delta R.T. 0.006 min
Lab File: BM029061.D
Acq: 10 Mar 2021 00:21

Instrument :
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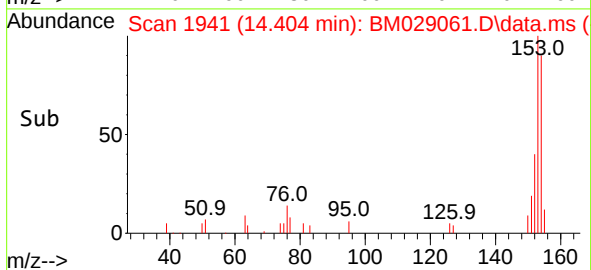
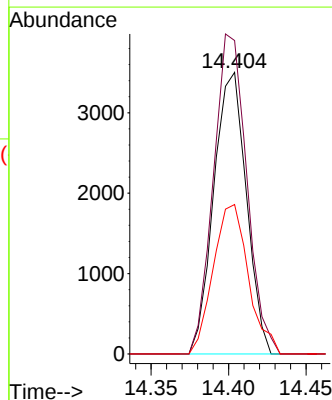
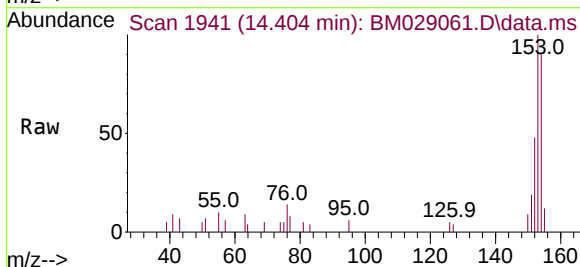


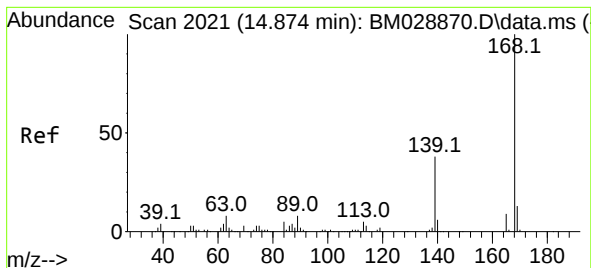
Tgt Ion:152 Resp: 10032
Ion Ratio Lower Upper
152 100
151 18.1 15.8 23.6
153 15.9 10.4 15.6#



#52
Acenaphthene
Concen: 3.12 ng
RT: 14.404 min Scan# 1941
Delta R.T. 0.000 min
Lab File: BM029061.D
Acq: 10 Mar 2021 00:21

Tgt Ion:154 Resp: 5128
Ion Ratio Lower Upper
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153 111.3 88.3 132.5
152 53.1 41.4 62.2

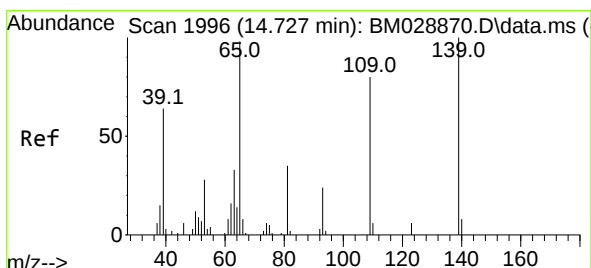
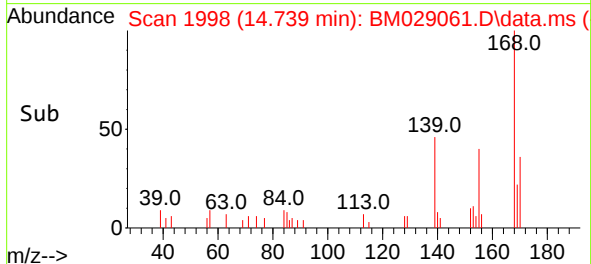
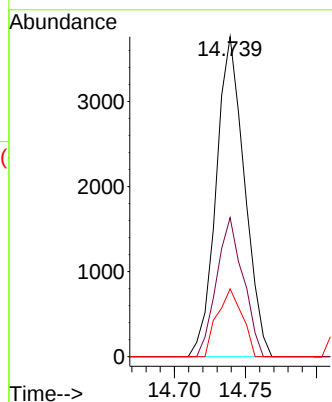
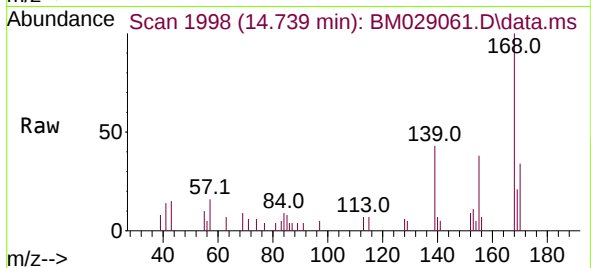




#55
Dibenzenofuran
Concen: 2.02 ng
RT: 14.739 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BM029061.D
Acq: 10 Mar 2021 00:21

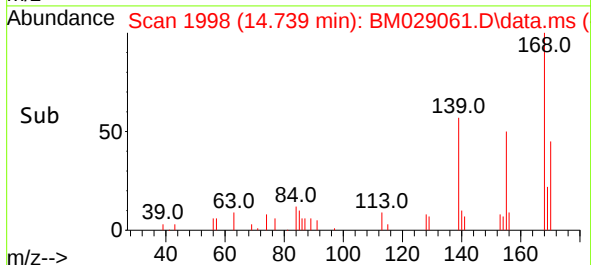
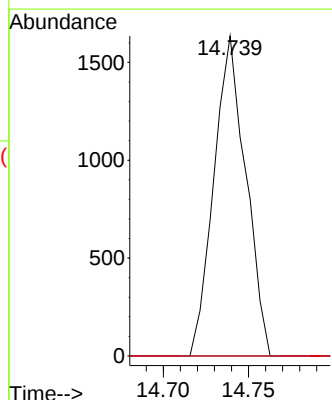
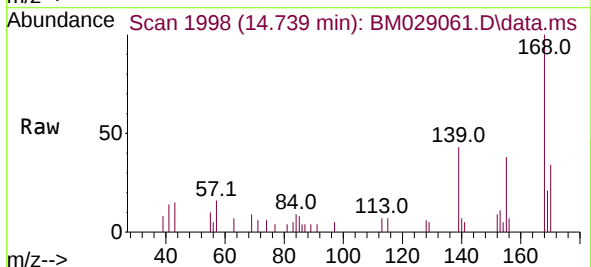
Instrument :
BNA_M
ClientSampleId :
SU-02-030821

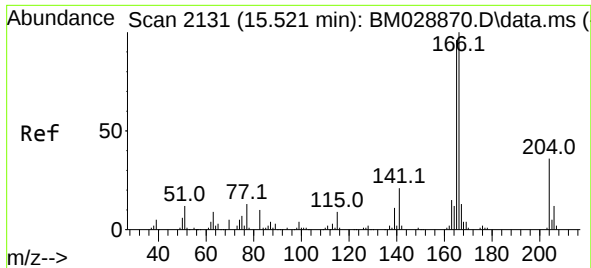
Tgt Ion:168 Resp: 5204
Ion Ratio Lower Upper
168 100
139 43.5 30.2 45.4
169 21.2 10.6 16.0#



#56
4-Nitrophenol
Concen: 5.65 ng
RT: 14.739 min Scan# 1998
Delta R.T. 0.129 min
Lab File: BM029061.D
Acq: 10 Mar 2021 00:21

Tgt Ion:139 Resp: 2128
Ion Ratio Lower Upper
139 100
109 0.0 77.0 117.0#
65 0.0 103.4 143.4#

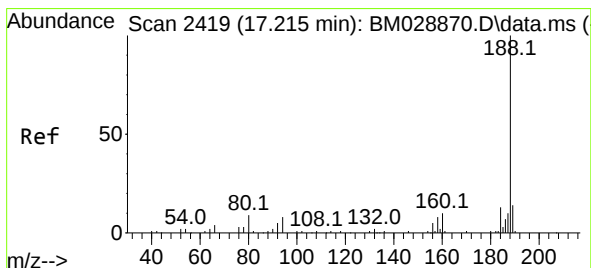
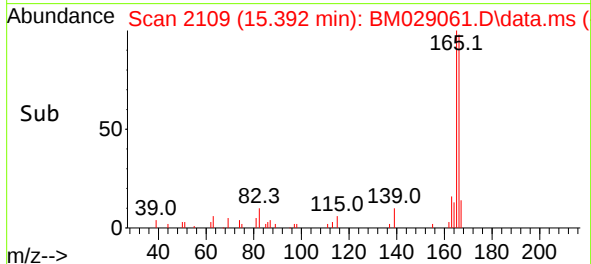
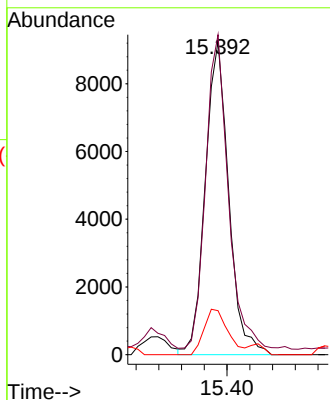
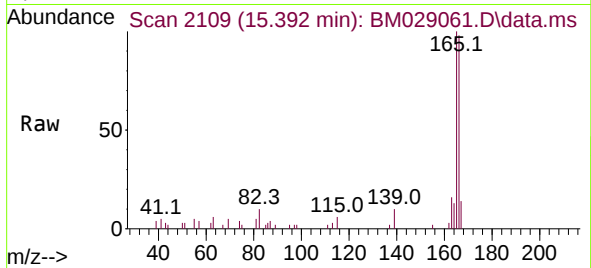




#58
Fluorene
Concen: 6.41 ng
RT: 15.392 min Scan# 2109
Delta R.T. 0.000 min
Lab File: BM029061.D
Acq: 10 Mar 2021 00:21

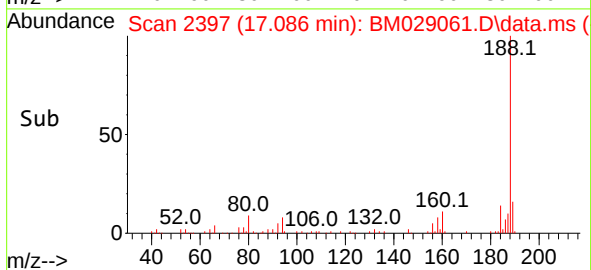
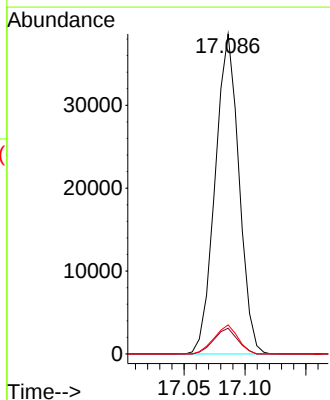
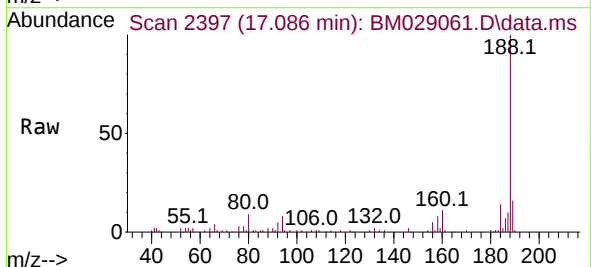
Instrument :
BNA_M
ClientSampleId :
SU-02-030821

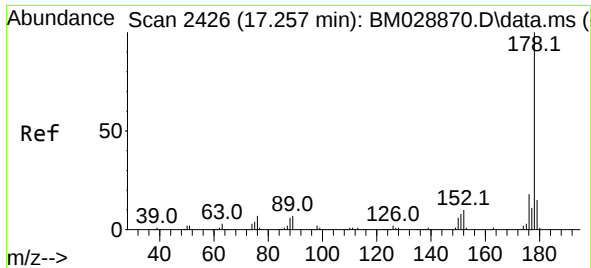
Tgt Ion:166 Resp: 13255
Ion Ratio Lower Upper
166 100
165 102.2 76.2 114.2
167 14.1 10.7 16.1



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.086 min Scan# 2397
Delta R.T. 0.000 min
Lab File: BM029061.D
Acq: 10 Mar 2021 00:21

Tgt Ion:188 Resp: 52543
Ion Ratio Lower Upper
188 100
94 8.0 6.2 9.4
80 9.1 7.5 11.3

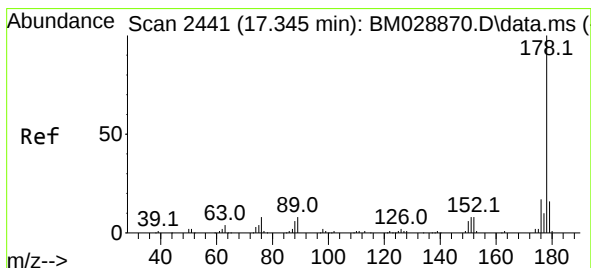
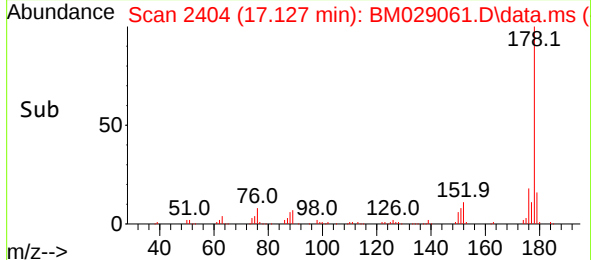
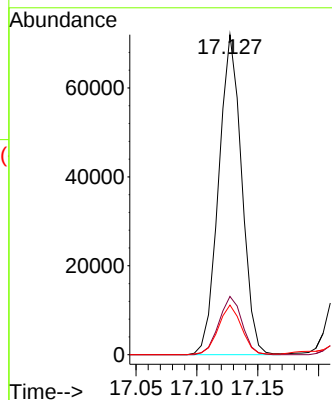
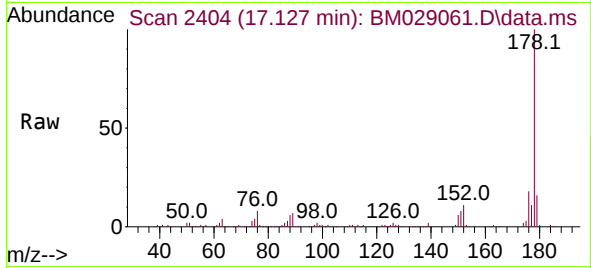




#71
Phenanthrene
Concen: 30.26 ng
RT: 17.127 min Scan# 2404
Delta R.T. -0.000 min
Lab File: BM029061.D
Acq: 10 Mar 2021 00:21

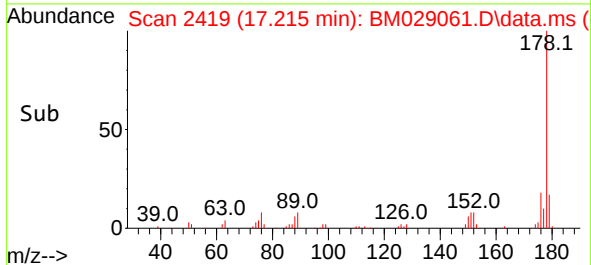
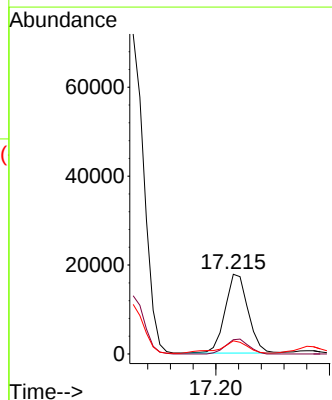
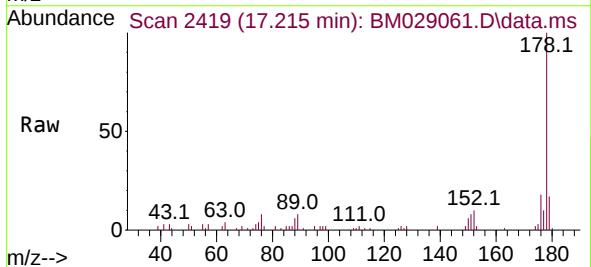
Instrument :
BNA_M
ClientSampleId :
SU-02-030821

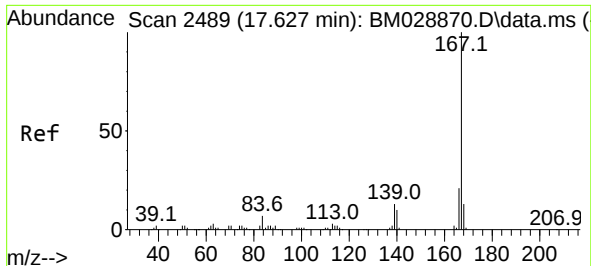
Tgt Ion:178 Resp: 94667
Ion Ratio Lower Upper
178 100
176 18.2 15.0 22.6
179 15.5 12.2 18.4



#72
Anthracene
Concen: 8.10 ng
RT: 17.215 min Scan# 2419
Delta R.T. 0.000 min
Lab File: BM029061.D
Acq: 10 Mar 2021 00:21

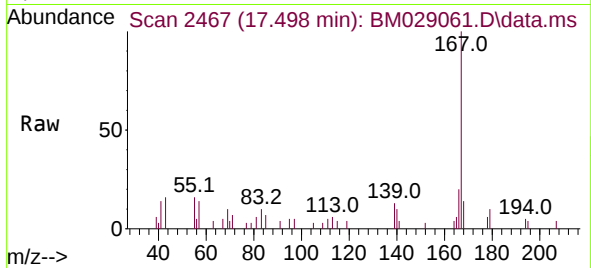
Tgt Ion:178 Resp: 25092
Ion Ratio Lower Upper
178 100
176 17.8 15.0 22.4
179 16.5 12.5 18.7



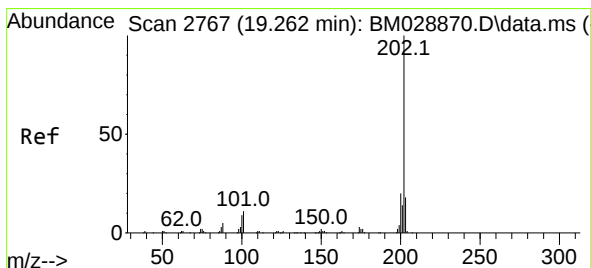
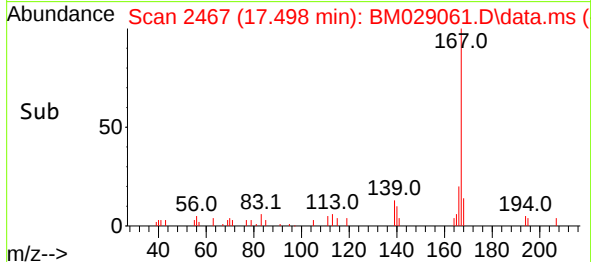
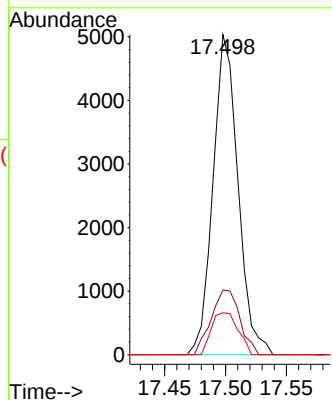


#73
 Carbazole
 Concen: 2.42 ng
 RT: 17.498 min Scan# 2467
 Delta R.T. 0.000 min
 Lab File: BM029061.D
 Acq: 10 Mar 2021 00:21

Instrument :
 BNA_M
 ClientSampleId :
 SU-02-030821

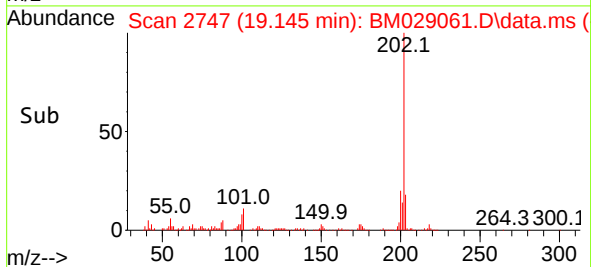
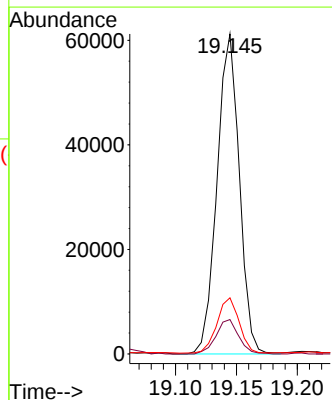
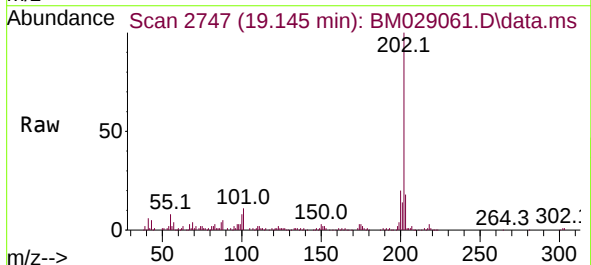


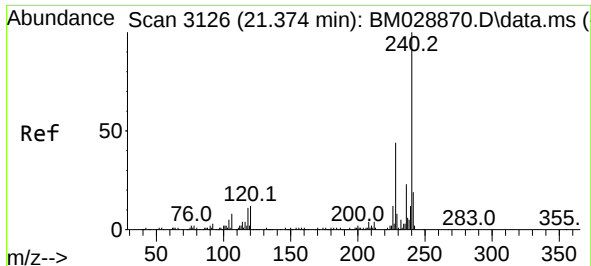
Tgt Ion:167 Resp: 7188
 Ion Ratio Lower Upper
 167 100
 166 20.2 16.9 25.3
 139 13.1 9.9 14.9



#75
 Fluoranthene
 Concen: 22.69 ng
 RT: 19.145 min Scan# 2747
 Delta R.T. -0.000 min
 Lab File: BM029061.D
 Acq: 10 Mar 2021 00:21

Tgt Ion:202 Resp: 78004
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 28.5
 203 17.5 0.0 37.3

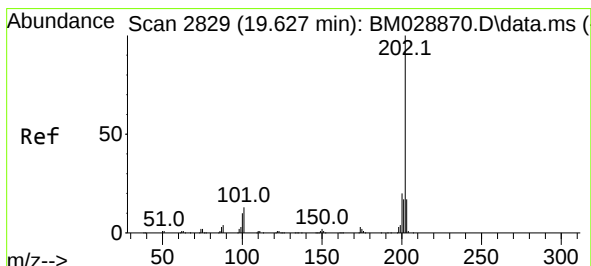
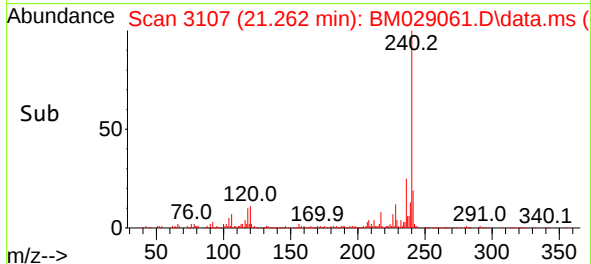
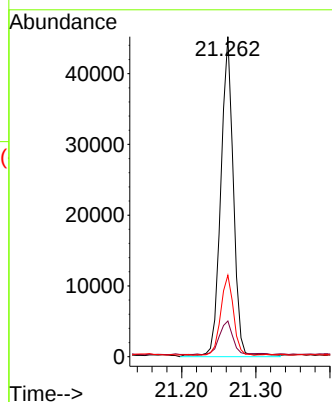
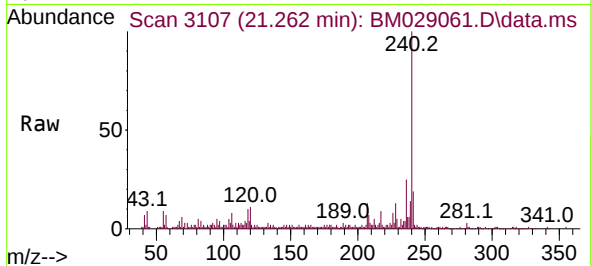




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.262 min Scan# 3107
Delta R.T. 0.000 min
Lab File: BM029061.D
Acq: 10 Mar 2021 00:21

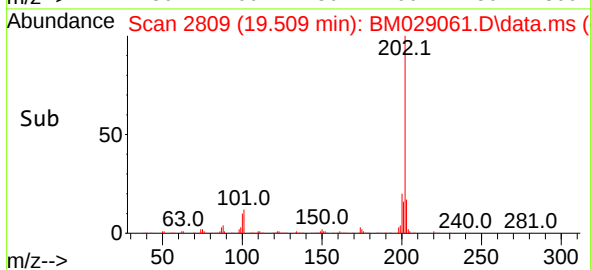
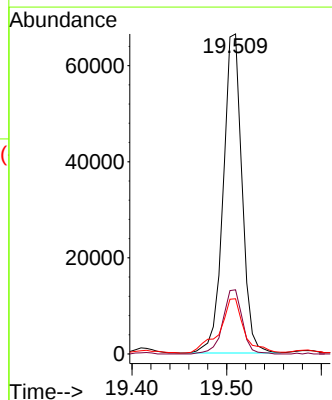
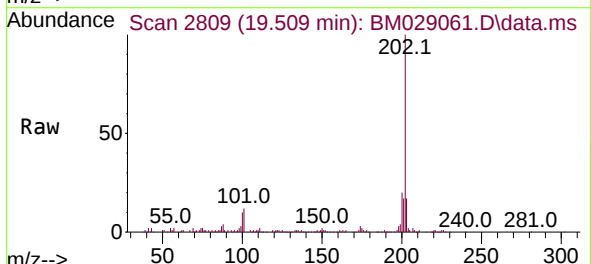
Instrument :
BNA_M
ClientSampleId :
SU-02-030821

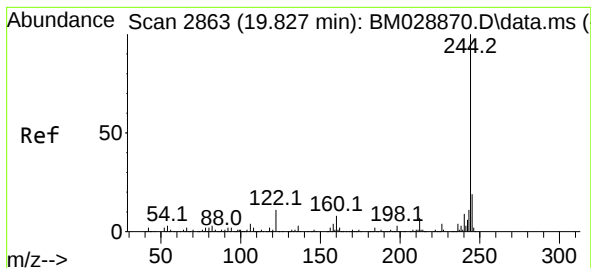
Tgt Ion:240 Resp: 53747
Ion Ratio Lower Upper
240 100
120 11.2 6.4 9.6#
236 25.4 20.1 30.1



#78
Pyrene
Concen: 23.15 ng
RT: 19.509 min Scan# 2809
Delta R.T. 0.006 min
Lab File: BM029061.D
Acq: 10 Mar 2021 00:21

Tgt Ion:202 Resp: 91411
Ion Ratio Lower Upper
202 100
200 20.0 16.6 24.8
203 17.3 13.8 20.6





#79

Terphenyl-d14

Concen: 59.74 ng

RT: 19.715 min Scan# 2844

Delta R.T. 0.006 min

Lab File: BM029061.D

Acq: 10 Mar 2021 00:21

Tgt Ion:244 Resp: 173883

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

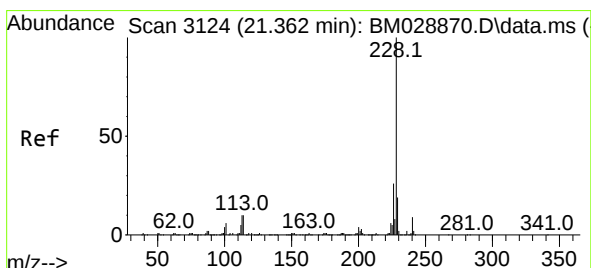
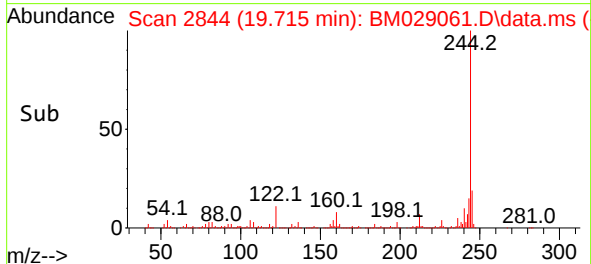
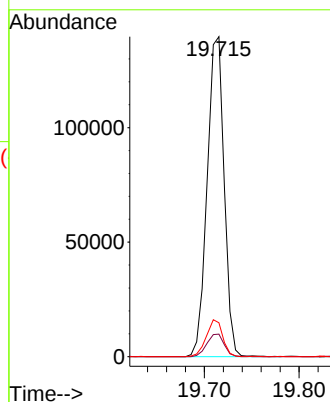
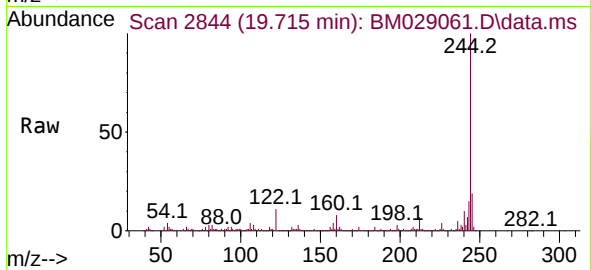
122 10.6 6.5 9.7#

Instrument :

BNA_M

ClientSampleId :

SU-02-030821



#81

Benzo(a)anthracene

Concen: 10.96 ng

RT: 21.245 min Scan# 3104

Delta R.T. 0.000 min

Lab File: BM029061.D

Acq: 10 Mar 2021 00:21

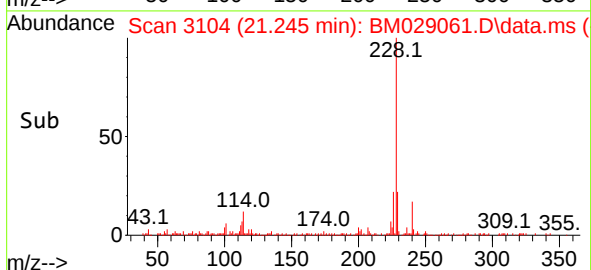
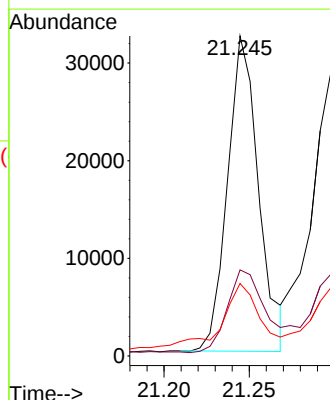
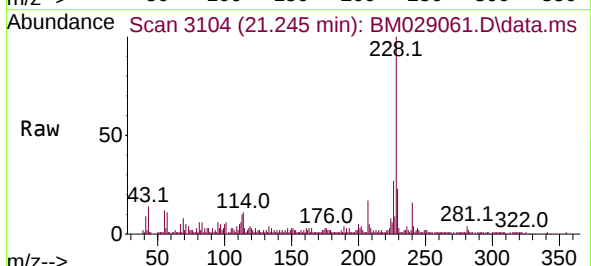
Tgt Ion:228 Resp: 40878

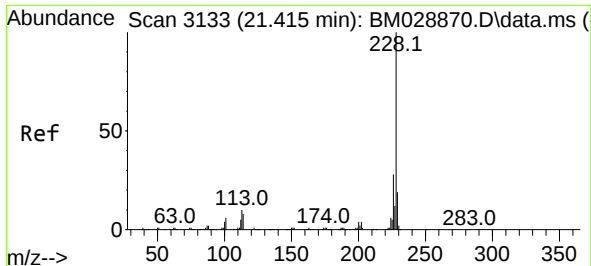
Ion Ratio Lower Upper

228 100

226 26.9 21.1 31.7

229 22.6 15.7 23.5

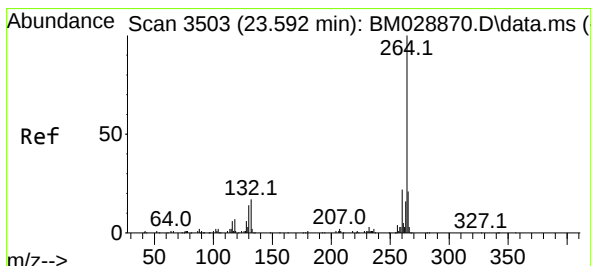
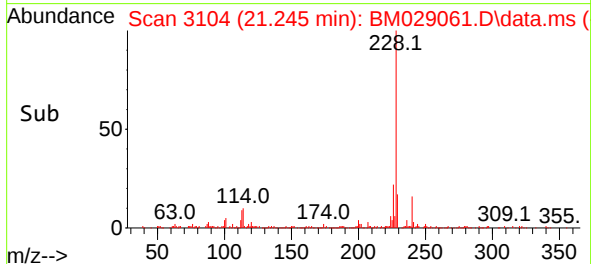
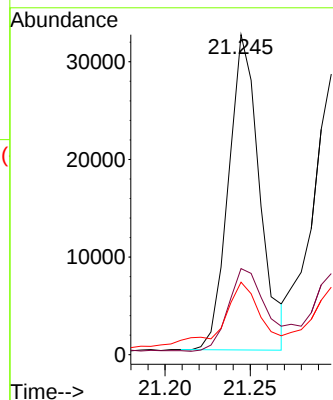
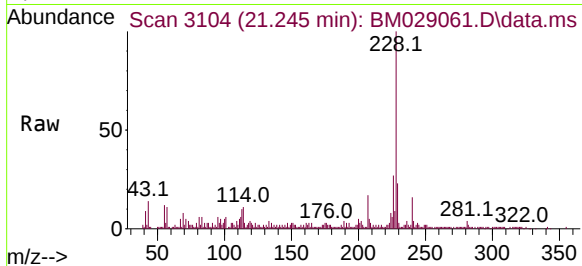




#83
Chrysene
Concen: 11.25 ng
RT: 21.245 min Scan# 3104
Delta R.T. -0.053 min
Lab File: BM029061.D
Acq: 10 Mar 2021 00:21

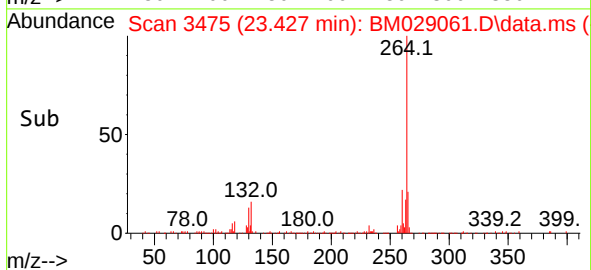
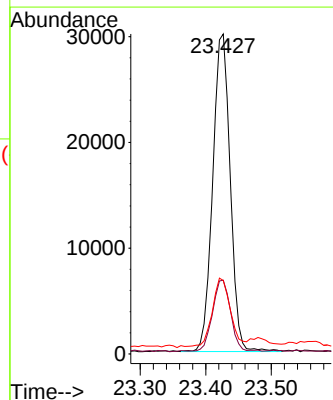
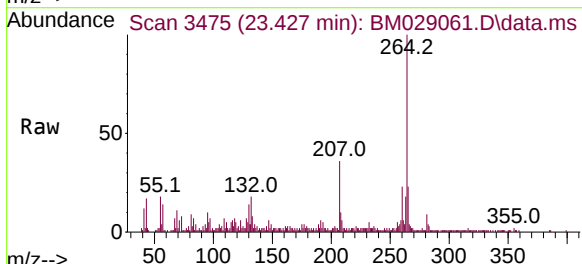
Instrument :
BNA_M
ClientSampleId :
SU-02-030821

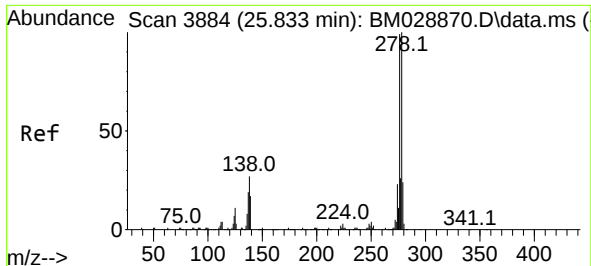
Tgt Ion:	228	Resp:	40878
Ion Ratio	Lower	Upper	
228	100		
226	26.9	23.4	35.0
229	22.6	15.7	23.5



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.427 min Scan# 3475
Delta R.T. 0.006 min
Lab File: BM029061.D
Acq: 10 Mar 2021 00:21

Tgt Ion:	264	Resp:	55537
Ion Ratio	Lower	Upper	
264	100		
260	23.1	19.0	28.4
265	22.9	17.7	26.5

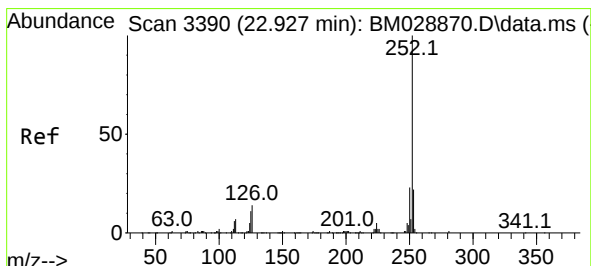
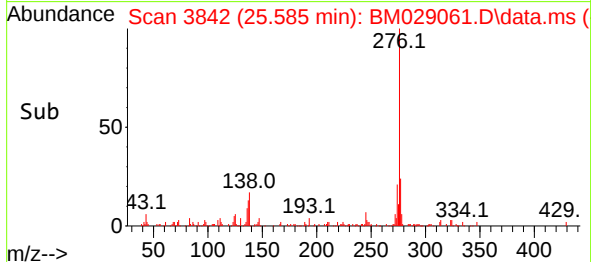
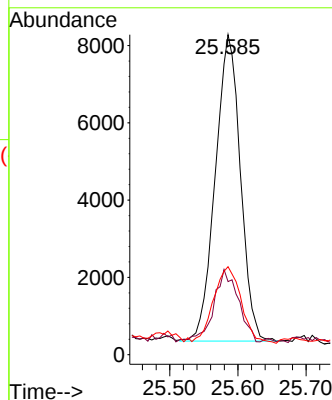
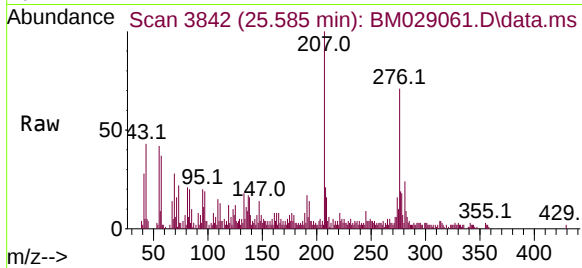




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.84 ng
RT: 25.585 min Scan# 3842
Delta R.T. 0.000 min
Lab File: BM029061.D
Acq: 10 Mar 2021 00:21

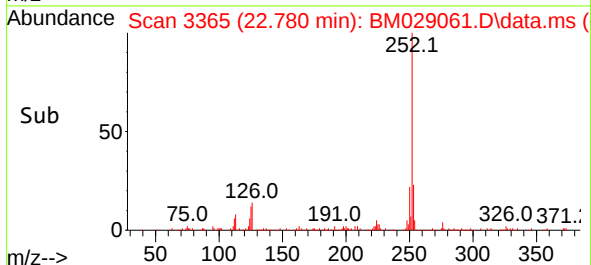
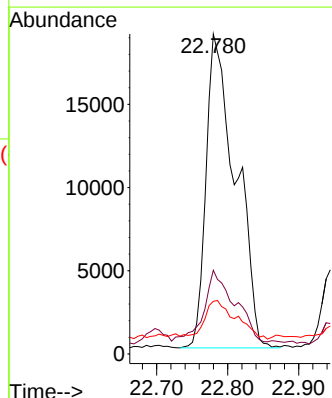
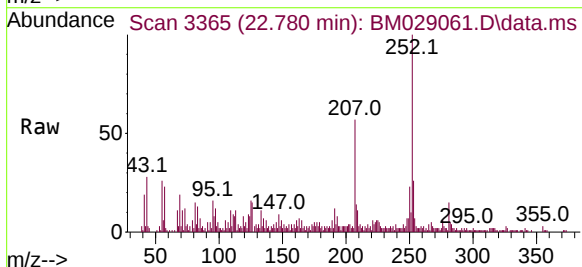
Instrument :
BNA_M
ClientSampleId :
SU-02-030821

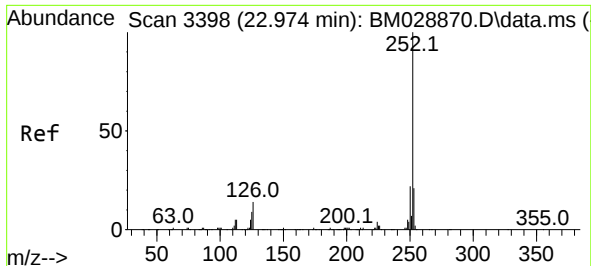
Tgt Ion:276 Resp: 20275
Ion Ratio Lower Upper
276 100
138 23.2 14.2 21.4#
277 27.6 19.8 29.8



#88
Benzo(b)fluoranthene
Concen: 13.99 ng
RT: 22.780 min Scan# 3365
Delta R.T. 0.000 min
Lab File: BM029061.D
Acq: 10 Mar 2021 00:21

Tgt Ion:252 Resp: 54895
Ion Ratio Lower Upper
252 100
253 26.1 17.4 26.0#
125 16.5 5.7 8.5#

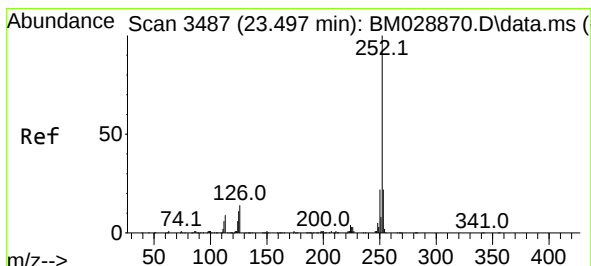
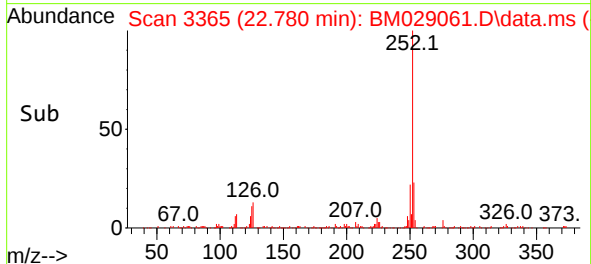
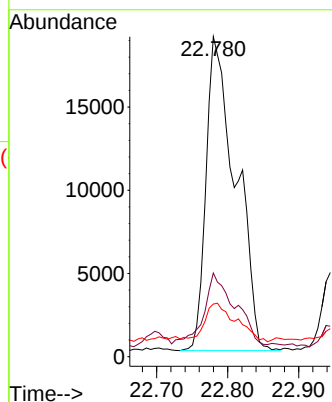
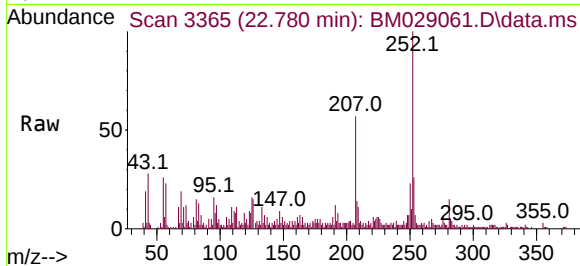




#89
Benzo(k)fluoranthene
Concen: 14.73 ng
RT: 22.780 min Scan# 3365
Delta R.T. -0.041 min
Lab File: BM029061.D
Acq: 10 Mar 2021 00:21

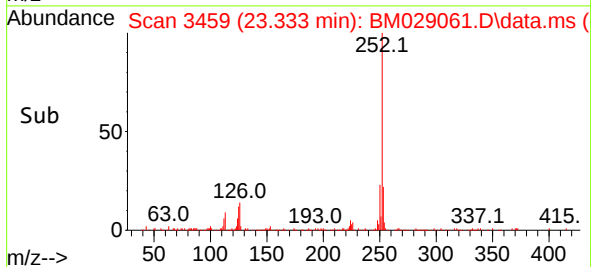
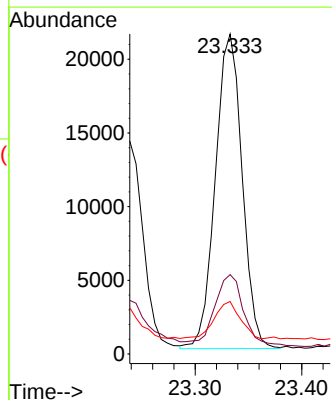
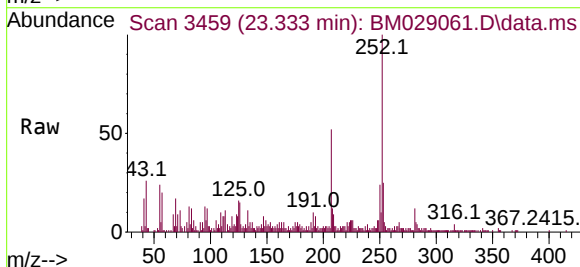
Instrument :
BNA_M
ClientSampleId :
SU-02-030821

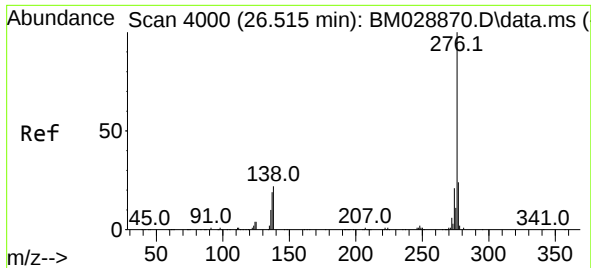
Tgt Ion:252 Resp: 54895
Ion Ratio Lower Upper
252 100
253 26.1 17.4 26.0#
125 16.5 5.6 8.4#



#90
Benzo(a)pyrene
Concen: 10.41 ng
RT: 23.333 min Scan# 3459
Delta R.T. 0.000 min
Lab File: BM029061.D
Acq: 10 Mar 2021 00:21

Tgt Ion:252 Resp: 37277
Ion Ratio Lower Upper
252 100
253 24.8 17.4 26.2
125 16.4 6.6 9.8#





#92
Benzo(g,h,i)perylene
Concen: 6.72 ng
RT: 26.250 min Scan# 3955
Delta R.T. 0.012 min
Lab File: BM029061.D
Acq: 10 Mar 2021 00:21

Instrument :
BNA_M
ClientSampleId :
SU-02-030821

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.1	18.6	28.0#
138	25.5	12.2	18.2#

