

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031021\
 Data File : BM029083.D
 Acq On : 10 Mar 2021 23:15
 Operator : CG/JU
 Sample : M1598-01DL 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OR-02-030821DL

Quant Time: Mar 11 00:13:56 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)

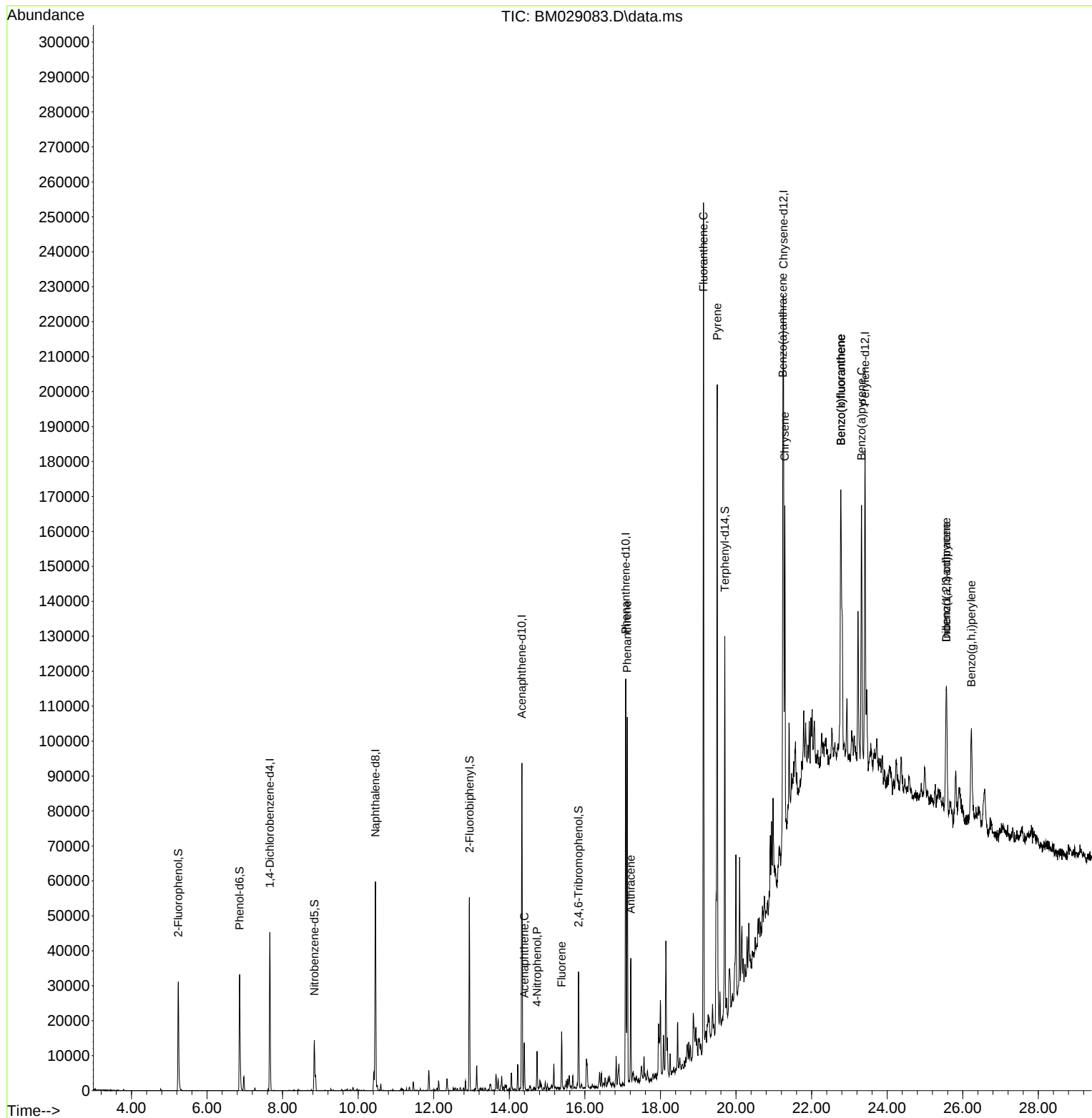
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.663	152	11285	20.00	ng	0.00
21) Naphthalene-d8	10.457	136	48266	20.00	ng	# 0.00
39) Acenaphthene-d10	14.333	164	30131	20.00	ng	0.00
64) Phenanthrene-d10	17.080	188	63328	20.00	ng	0.00
76) Chrysene-d12	21.256	240	51991	20.00	ng	# 0.00
86) Perylene-d12	23.415	264	52934	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.240	112	14893	21.87	ng	0.00
7) Phenol-d6	6.863	99	18102	20.13	ng	0.00
23) Nitrobenzene-d5	8.839	82	8490	9.49	ng	0.00
42) 2,4,6-Tribromophenol	15.833	330	4830	13.53	ng	0.00
45) 2-Fluorobiphenyl	12.945	172	28968	12.80	ng	0.00
79) Terphenyl-d14	19.703	244	39925	14.18	ng	0.00
Target Compounds						
						Qvalue
52) Acenaphthene	14.398	154	5066	2.73	ng	98
56) 4-Nitrophenol	14.733	139	2112	4.96	ng	# 1
58) Fluorene	15.386	166	7094	3.03	ng	99
71) Phenanthrene	17.121	178	56872	15.08	ng	100
72) Anthracene	17.215	178	21389	5.73	ng	100
75) Fluoranthene	19.139	202	124618	30.07	ng	99
78) Pyrene	19.503	202	106952	28.00	ng	99
81) Benzo(a)anthracene	21.239	228	53726	14.89	ng	98
83) Chrysene	21.291	228	45499	12.94	ng	98
87) Indeno(1,2,3-cd)pyrene	25.568	276	28696	7.18	ng	# 93
88) Benzo(b)fluoranthene	22.774	252	79830	21.35	ng	# 93
89) Benzo(k)fluoranthene	22.774	252	79830	22.47	ng	# 93
90) Benzo(a)pyrene	23.321	252	45956	13.47	ng	# 91
91) Dibenzo(a,h)anthracene	25.568	278	7077	2.04	ng	# 74
92) Benzo(g,h,i)perylene	26.226	276	27430	8.18	ng	# 86

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

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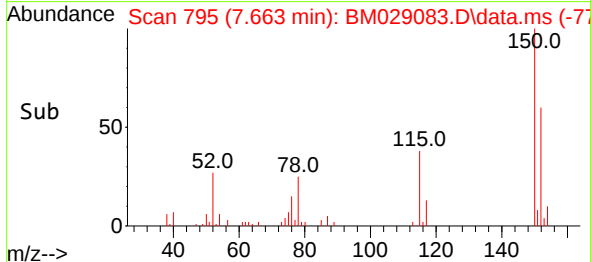
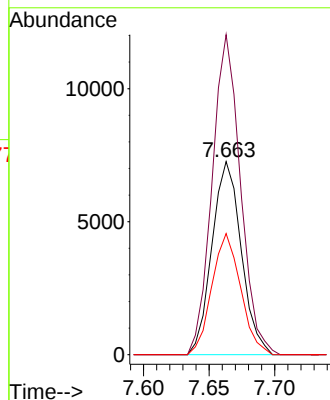
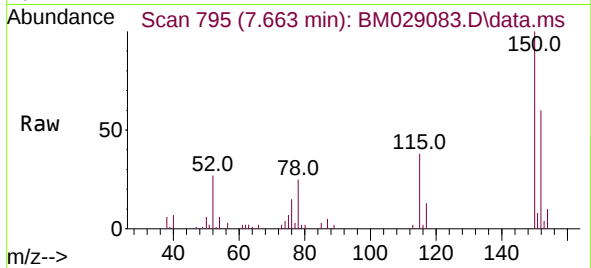




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.663 min Scan# 795
Delta R.T. -0.006 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15

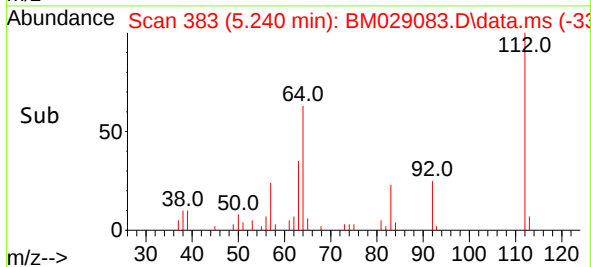
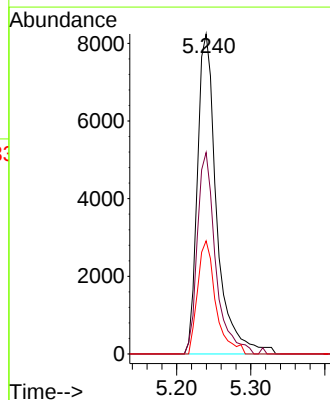
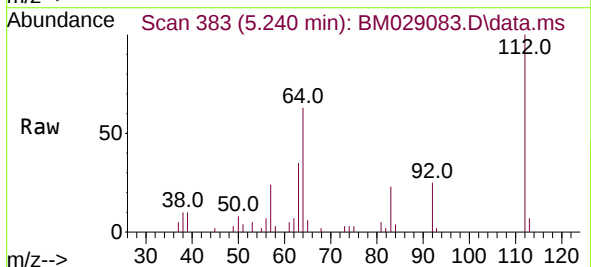
Instrument :
BNA_M
ClientSampleId :
OR-02-030821DL

Tgt Ion:152 Resp: 11285
Ion Ratio Lower Upper
152 100
150 165.6 120.6 181.0
115 62.7 47.2 70.8



#5
2-Fluorophenol
Concen: 21.87 ng
RT: 5.240 min Scan# 383
Delta R.T. -0.006 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15

Tgt Ion:112 Resp: 14893
Ion Ratio Lower Upper
112 100
64 63.0 50.6 76.0
63 35.3 31.0 46.6

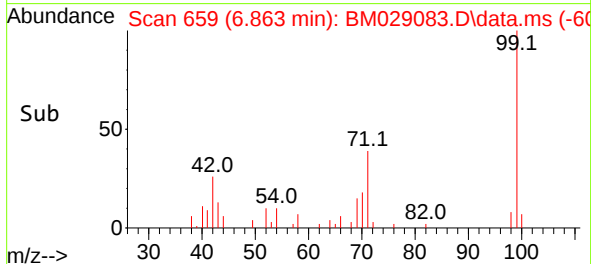
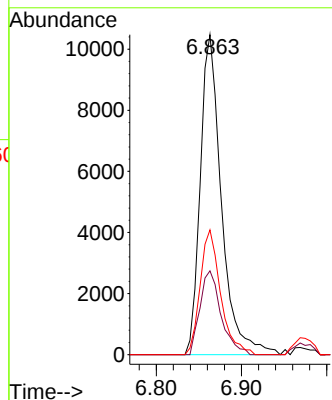
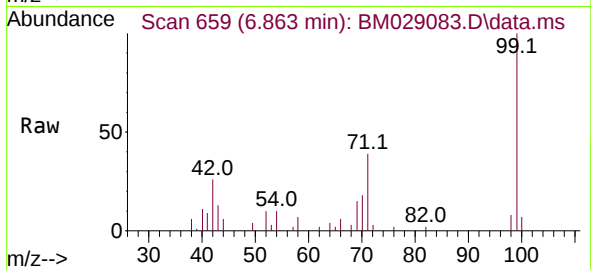




#7
Phenol-d6
Concen: 20.13 ng
RT: 6.863 min Scan# 659
Delta R.T. -0.006 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15

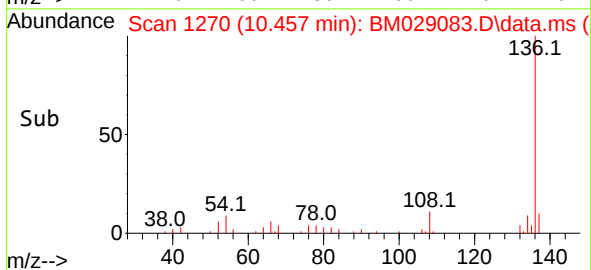
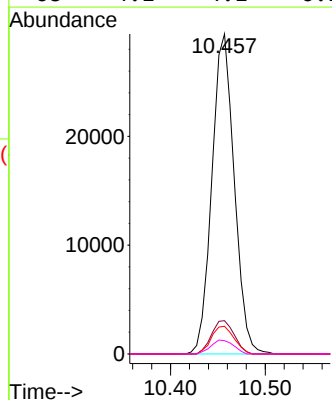
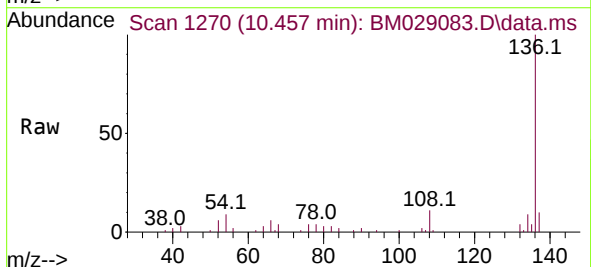
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BNA_M
ClientSampleId :
OR-02-030821DL

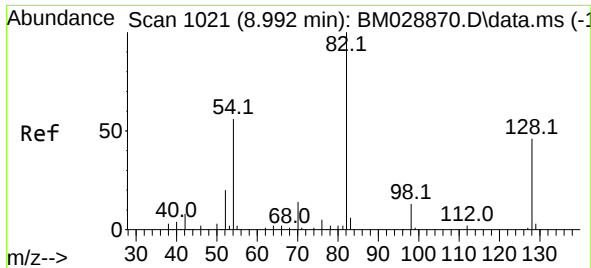
Tgt Ion: 99 Resp: 18102
Ion Ratio Lower Upper
99 100
42 26.2 13.5 20.3#
71 39.0 39.4 59.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.457 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15

Tgt Ion: 136 Resp: 48266
Ion Ratio Lower Upper
136 100
137 10.4 8.6 12.8
54 8.7 4.6 7.0#
68 4.1 4.1 6.1

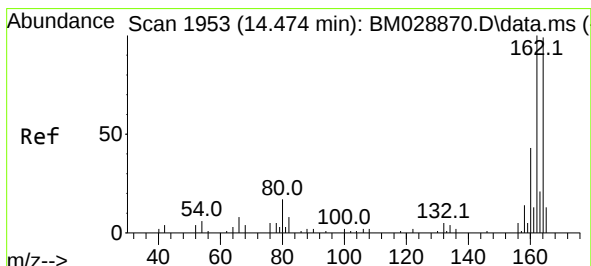
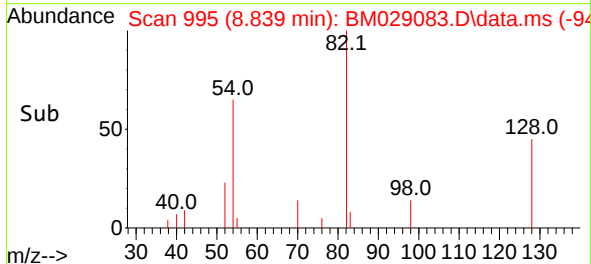
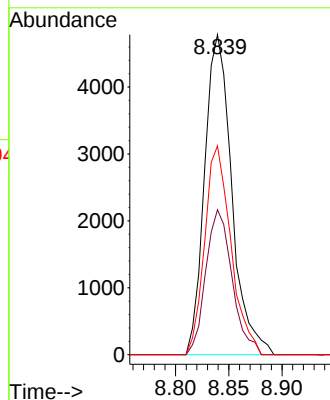
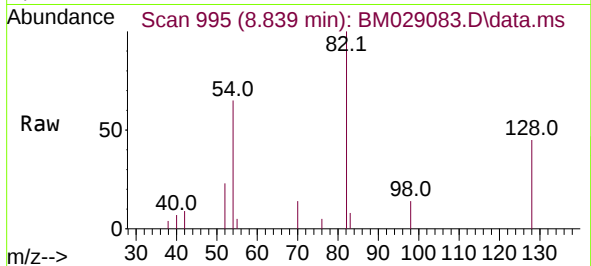




#23
Nitrobenzene-d5
Concen: 9.49 ng
RT: 8.839 min Scan# 995
Delta R.T. -0.006 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15

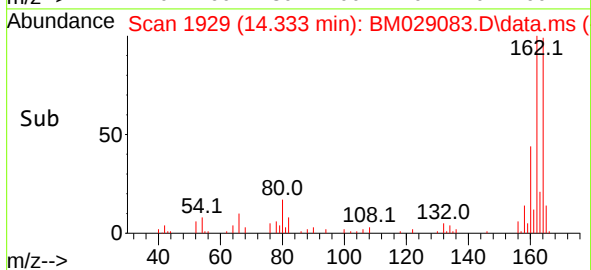
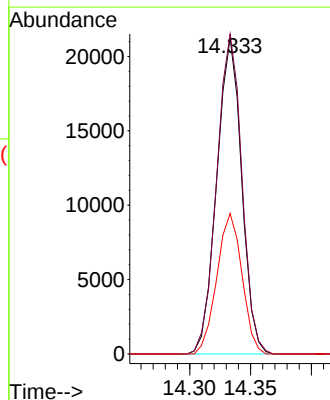
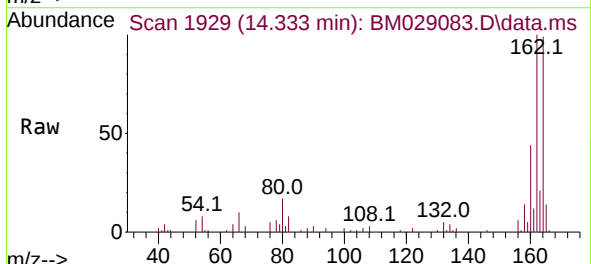
Instrument :
BNA_M
ClientSampleId :
OR-02-030821DL

Tgt Ion: 82 Resp: 8490
Ion Ratio Lower Upper
82 100
128 45.3 27.4 41.0#
54 65.2 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: BM029083.D
Acq: 10 Mar 2021 23:15

Tgt Ion:164 Resp: 30131
Ion Ratio Lower Upper
164 100
162 101.2 80.4 120.6
160 44.5 35.9 53.9

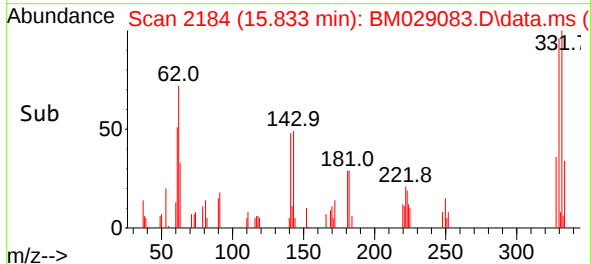
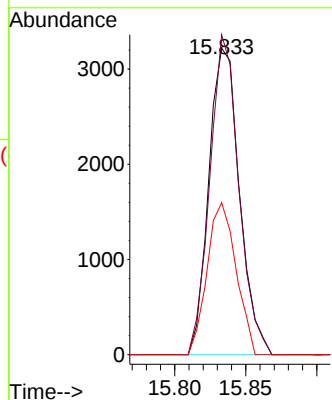
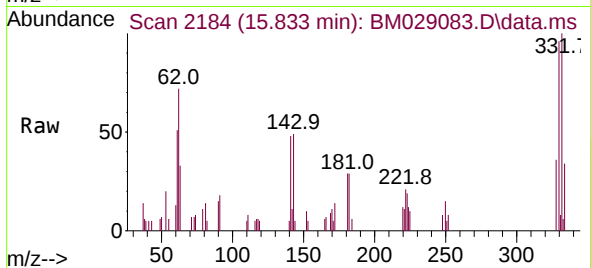




#42
2,4,6-Tribromophenol
Concen: 13.53 ng
RT: 15.833 min Scan# 2184
Delta R.T. -0.006 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15

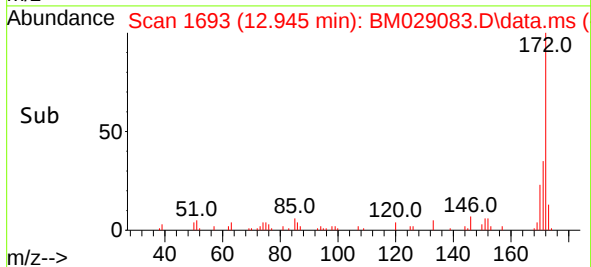
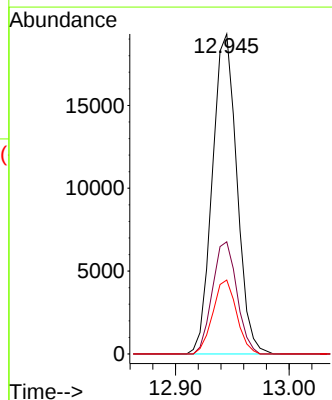
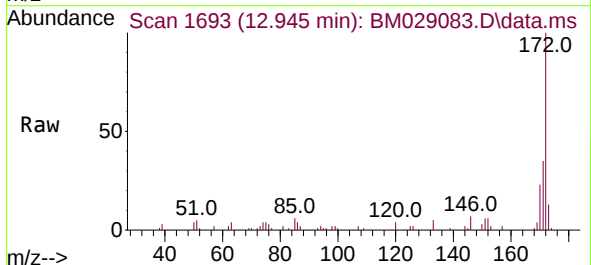
Instrument :
BNA_M
ClientSampled :
OR-02-030821DL

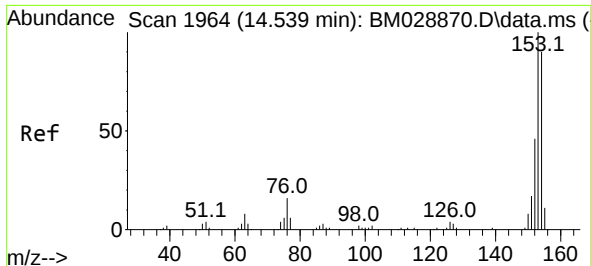
Tgt Ion:330 Resp: 4830
Ion Ratio Lower Upper
330 100
332 98.5 77.8 116.8
141 46.8 28.4 42.6#



#45
2-Fluorobiphenyl
Concen: 12.80 ng
RT: 12.945 min Scan# 1693
Delta R.T. -0.006 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15

Tgt Ion:172 Resp: 28968
Ion Ratio Lower Upper
172 100
171 35.1 27.8 41.8
170 23.1 18.6 27.8

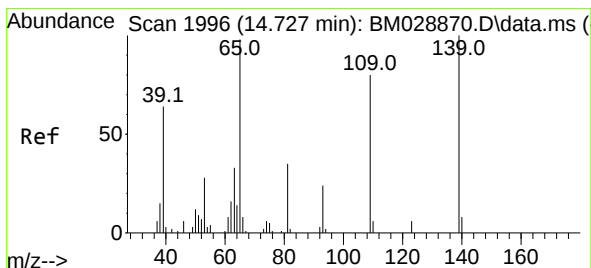
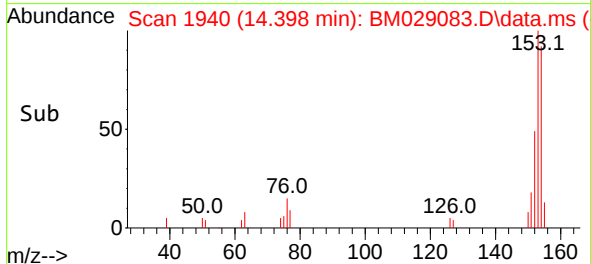
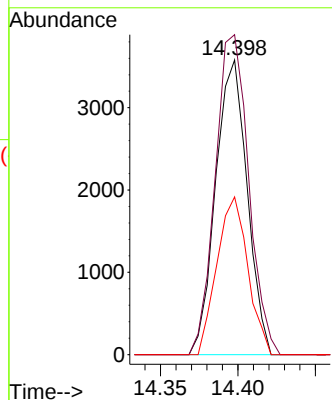
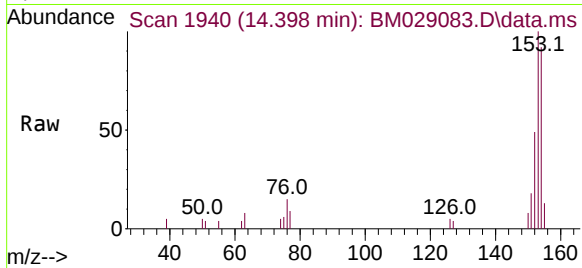




#52
Acenaphthene
Concen: 2.73 ng
RT: 14.398 min Scan# 1940
Delta R.T. -0.006 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15

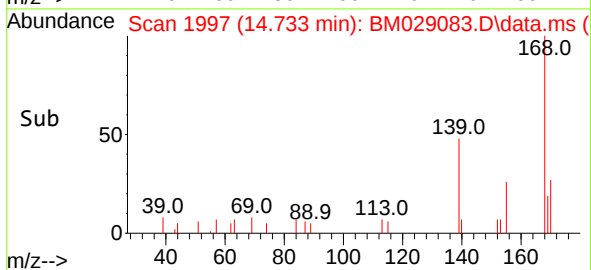
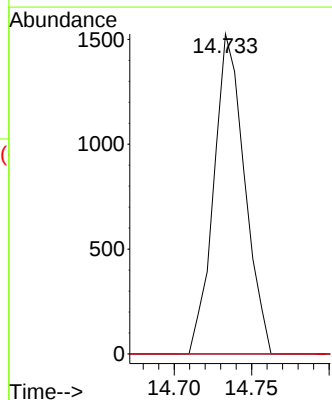
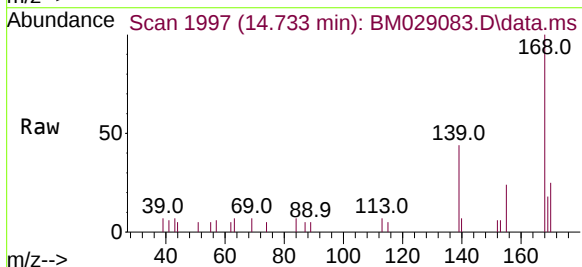
Instrument :
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ClientSampleId :
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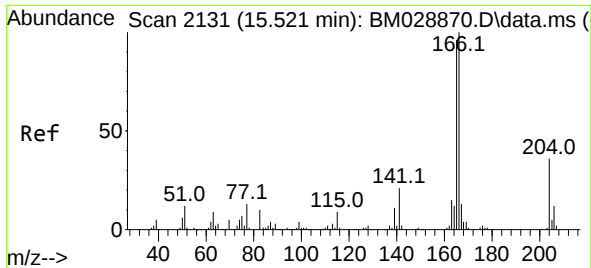
Tgt Ion:154 Resp: 5066
Ion Ratio Lower Upper
154 100
153 108.6 88.3 132.5
152 53.5 41.4 62.2



#56
4-Nitrophenol
Concen: 4.96 ng
RT: 14.733 min Scan# 1997
Delta R.T. 0.123 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15

Tgt Ion:139 Resp: 2112
Ion Ratio Lower Upper
139 100
109 0.0 77.0 117.0#
65 0.0 103.4 143.4#

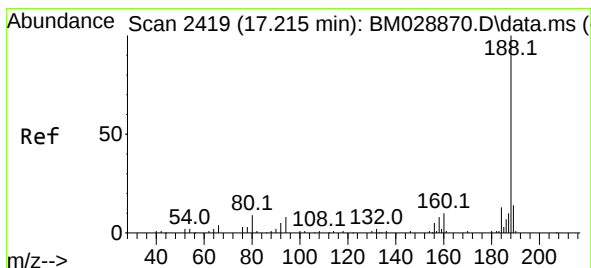
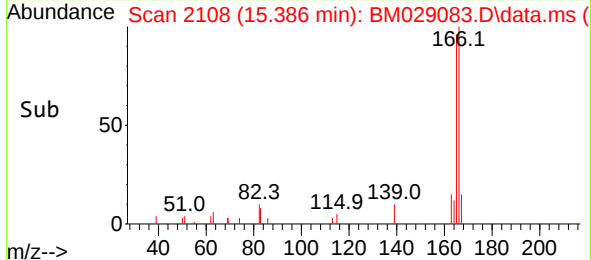
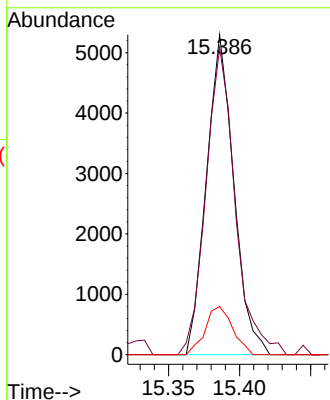
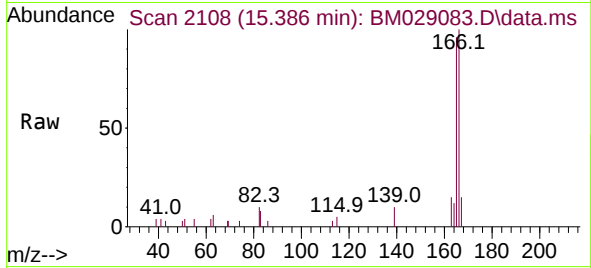




#58
Fluorene
Concen: 3.03 ng
RT: 15.386 min Scan# 2108
Delta R.T. -0.006 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15

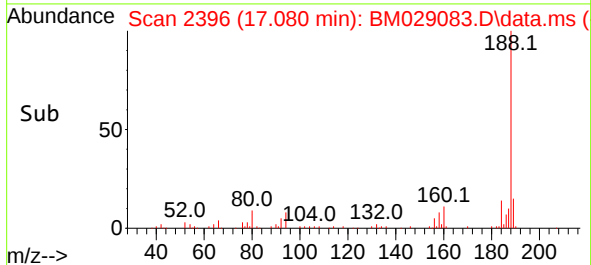
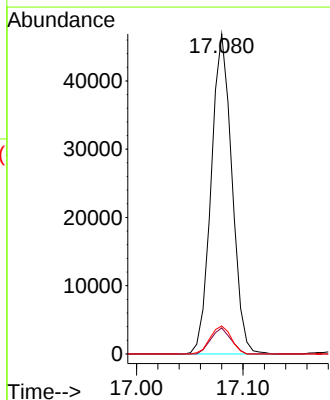
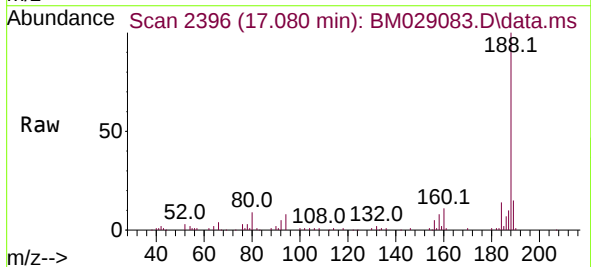
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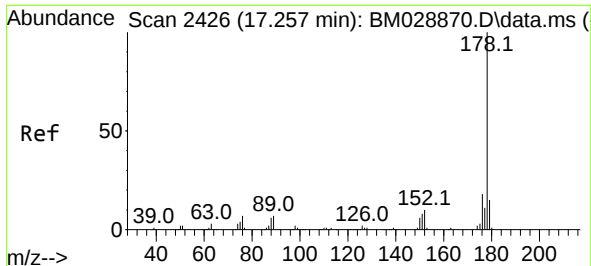
Tgt Ion:166 Resp: 7094
Ion Ratio Lower Upper
166 100
165 96.0 76.2 114.2
167 15.0 10.7 16.1



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.080 min Scan# 2396
Delta R.T. -0.006 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15

Tgt Ion:188 Resp: 63328
Ion Ratio Lower Upper
188 100
94 8.1 6.2 9.4
80 8.8 7.5 11.3

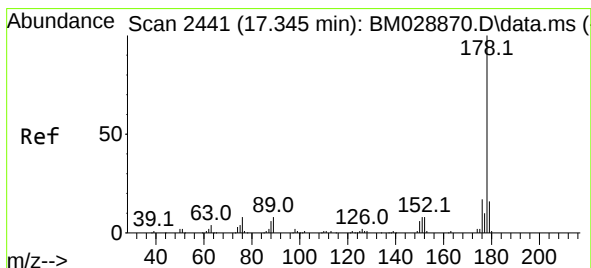
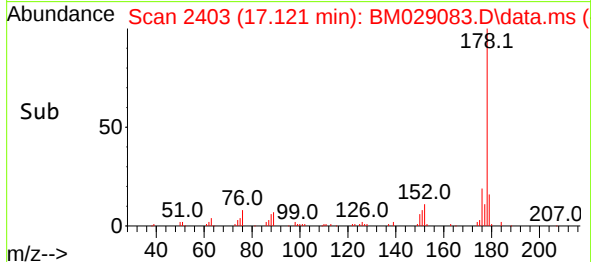
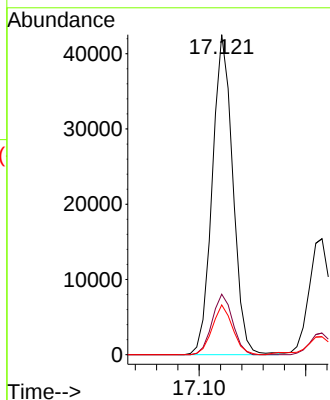
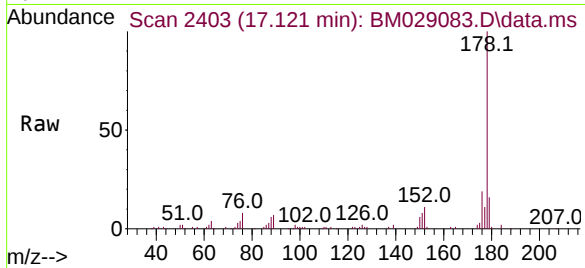




#71
Phenanthrene
Concen: 15.08 ng
RT: 17.121 min Scan# 2403
Delta R.T. -0.006 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15

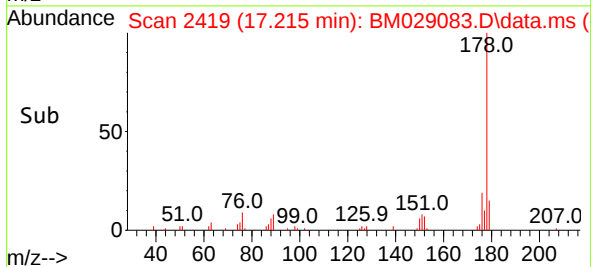
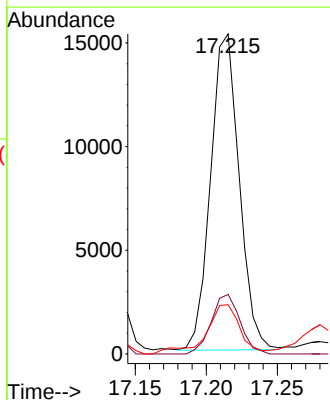
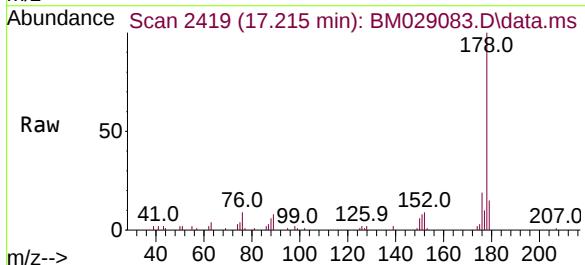
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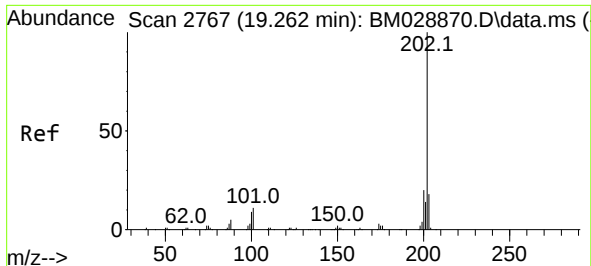
Tgt Ion:178 Resp: 56872
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.6
179 15.6 12.2 18.4



#72
Anthracene
Concen: 5.73 ng
RT: 17.215 min Scan# 2419
Delta R.T. -0.000 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15

Tgt Ion:178 Resp: 21389
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.4
179 15.4 12.5 18.7

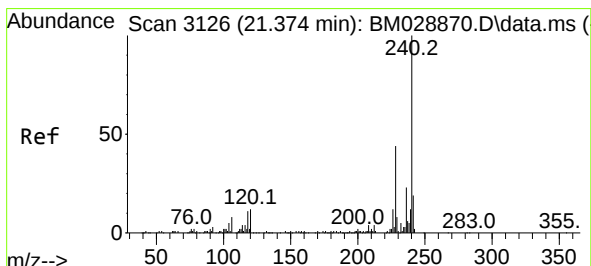
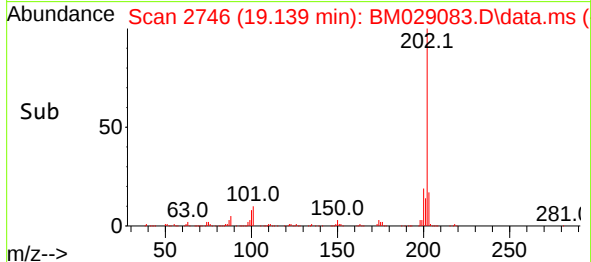
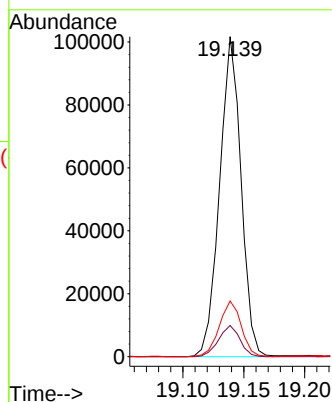
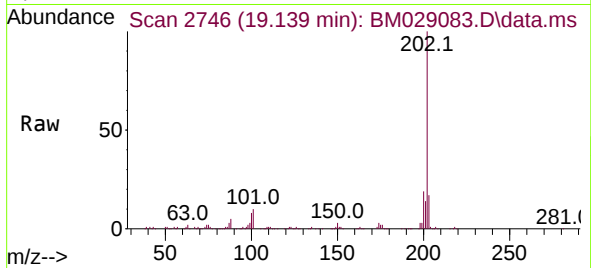




#75
Fluoranthene
Concen: 30.07 ng
RT: 19.139 min Scan# 2746
Delta R.T. -0.006 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15

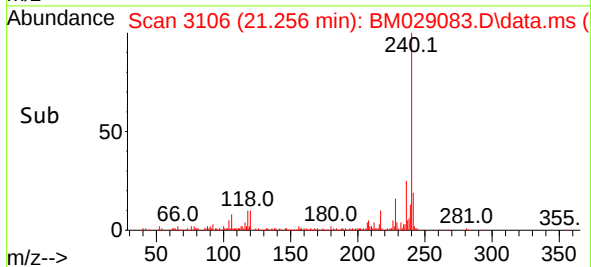
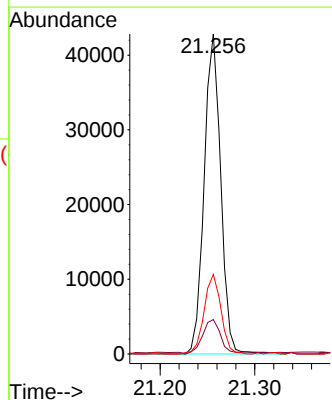
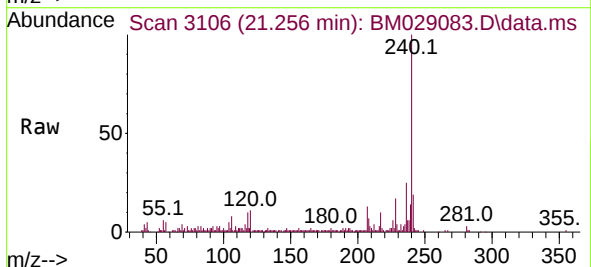
Instrument :
BNA_M
ClientSampleId :
OR-02-030821DL

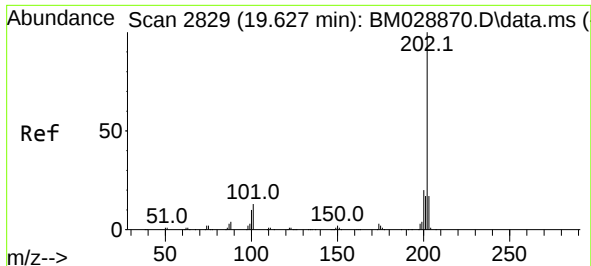
Tgt Ion:202 Resp: 124618
Ion Ratio Lower Upper
202 100
101 9.8 0.0 28.5
203 17.4 0.0 37.3



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.256 min Scan# 3106
Delta R.T. -0.006 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15

Tgt Ion:240 Resp: 51991
Ion Ratio Lower Upper
240 100
120 10.7 6.4 9.6#
236 24.8 20.1 30.1

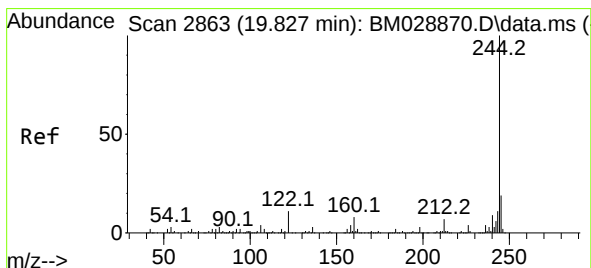
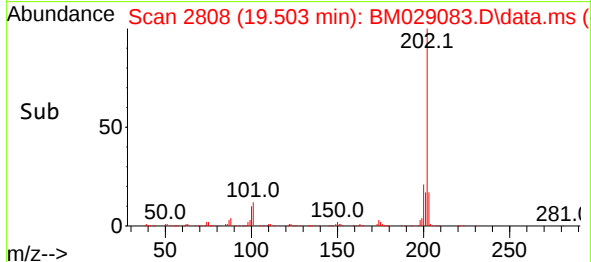
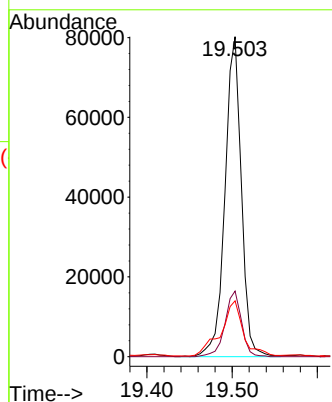
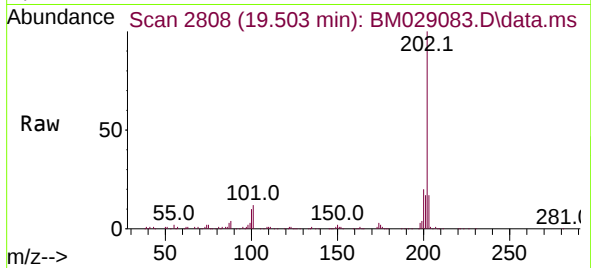




#78
Pyrene
Concen: 28.00 ng
RT: 19.503 min Scan# 2808
Delta R.T. -0.000 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15

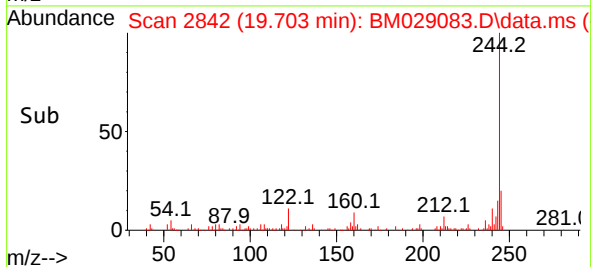
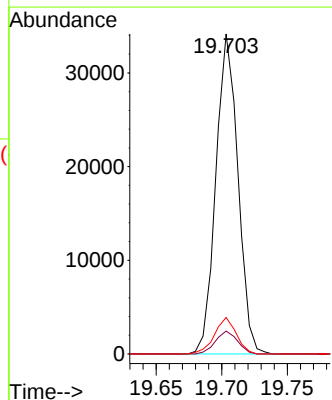
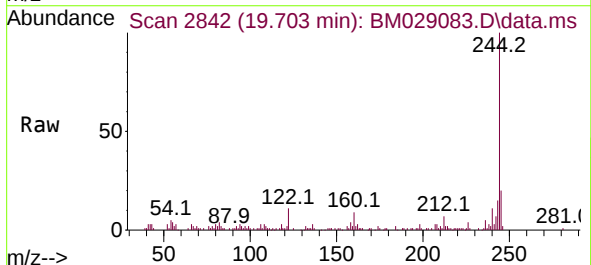
Instrument :
BNA_M
ClientSampleId :
OR-02-030821DL

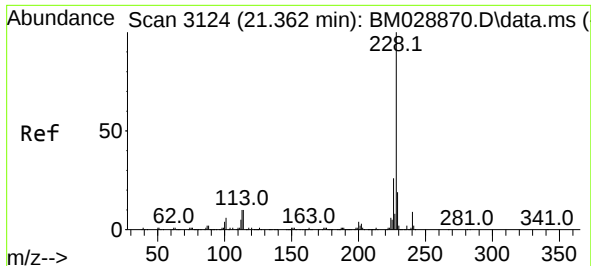
Tgt Ion:202 Resp: 106952
Ion Ratio Lower Upper
202 100
200 20.5 16.6 24.8
203 17.5 13.8 20.6



#79
Terphenyl-d14
Concen: 14.18 ng
RT: 19.703 min Scan# 2842
Delta R.T. -0.006 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15

Tgt Ion:244 Resp: 39925
Ion Ratio Lower Upper
244 100
212 7.2 5.8 8.8
122 11.4 6.5 9.7#

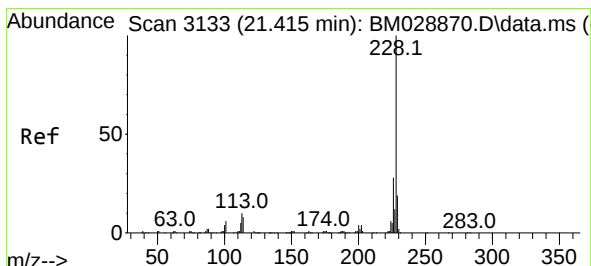
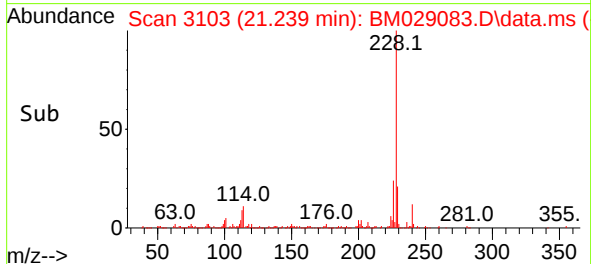
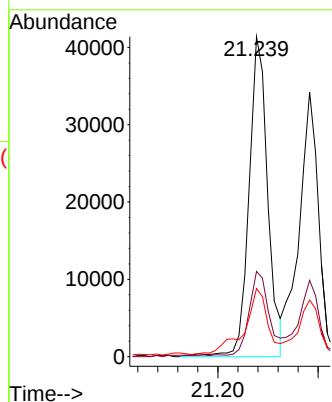
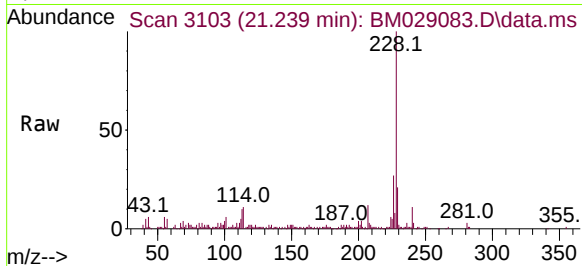




#81
Benzo(a)anthracene
Concen: 14.89 ng
RT: 21.239 min Scan# 3103
Delta R.T. -0.006 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15

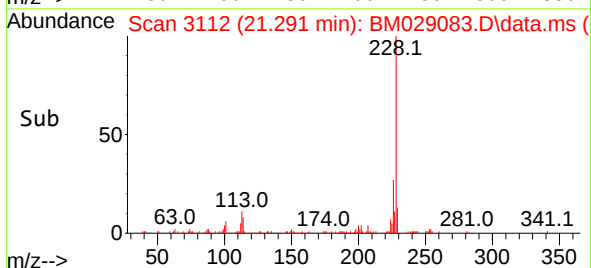
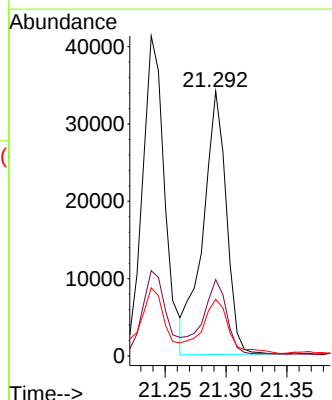
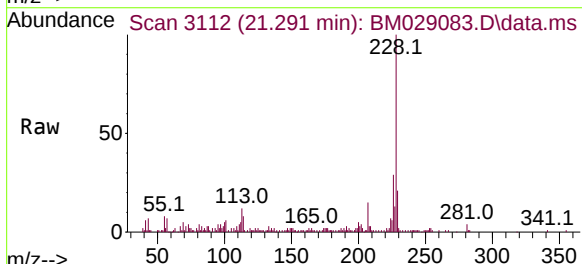
Instrument :
BNA_M
ClientSampleId :
OR-02-030821DL

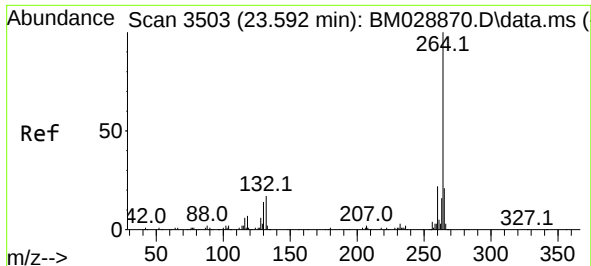
Tgt Ion:228 Resp: 53726
Ion Ratio Lower Upper
228 100
226 26.6 21.1 31.7
229 21.3 15.7 23.5



#83
Chrysene
Concen: 12.94 ng
RT: 21.291 min Scan# 3112
Delta R.T. -0.006 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15

Tgt Ion:228 Resp: 45499
Ion Ratio Lower Upper
228 100
226 28.9 23.4 35.0
229 21.4 15.7 23.5

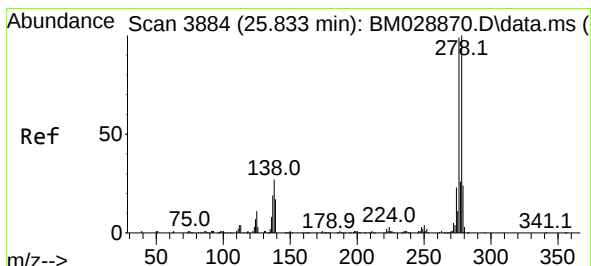
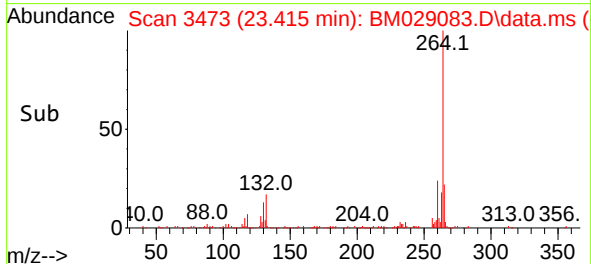
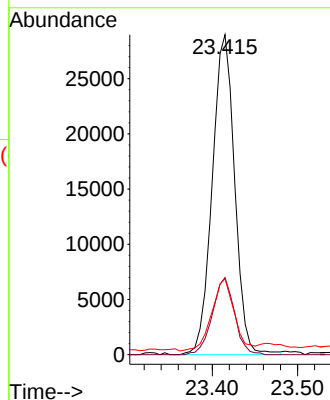
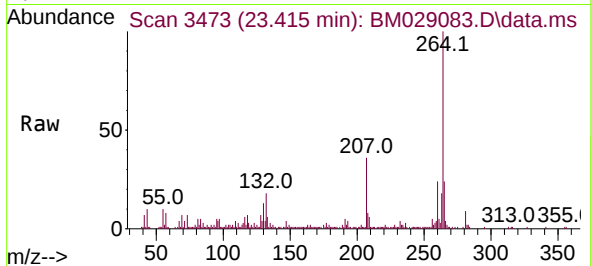




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.415 min Scan# 3473
Delta R.T. -0.006 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15

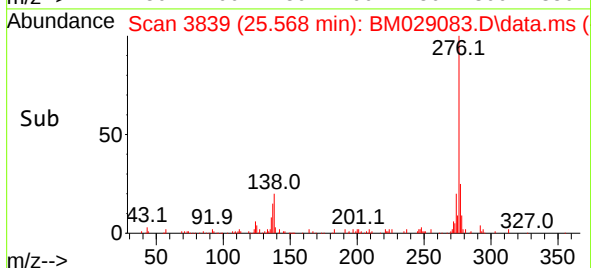
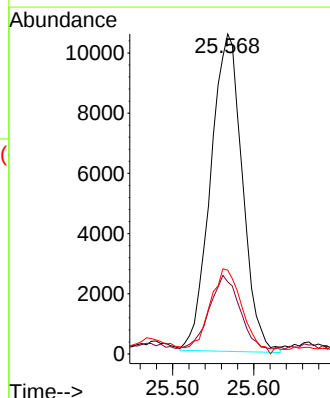
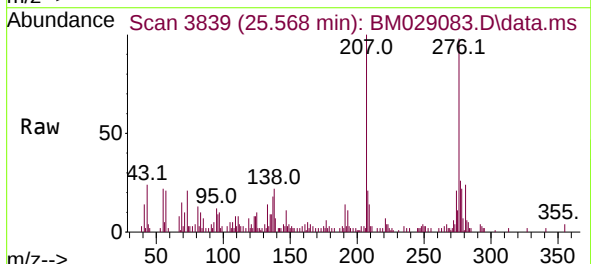
Instrument :
BNA_M
ClientSampleId :
OR-02-030821DL

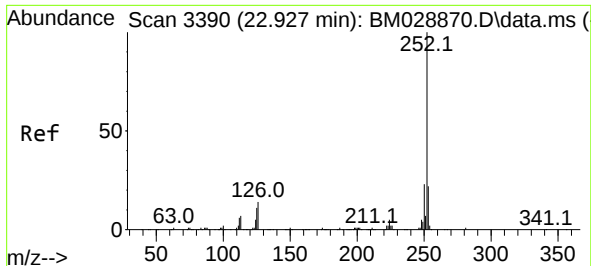
Tgt Ion:	264	Resp:	52934
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.0	28.4
265	23.7	17.7	26.5



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.18 ng
RT: 25.568 min Scan# 3839
Delta R.T. -0.018 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15

Tgt Ion:	276	Resp:	28696
Ion Ratio	Lower	Upper	
276	100		
138	21.7	14.2	21.4#
277	27.6	19.8	29.8

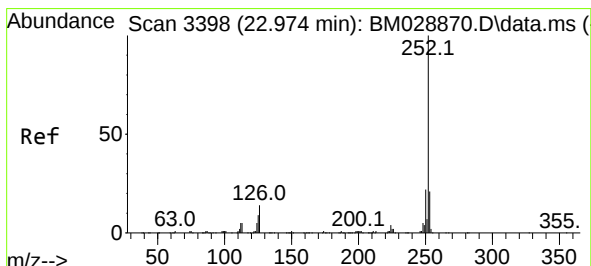
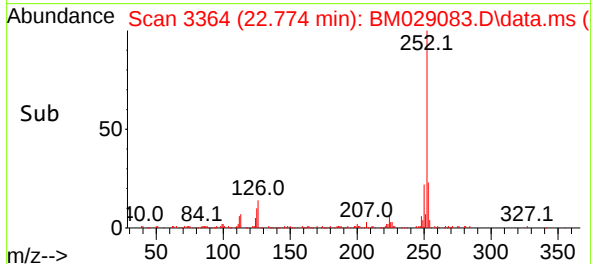
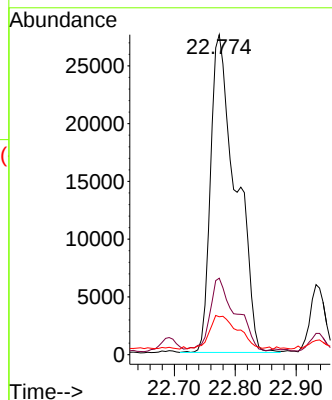
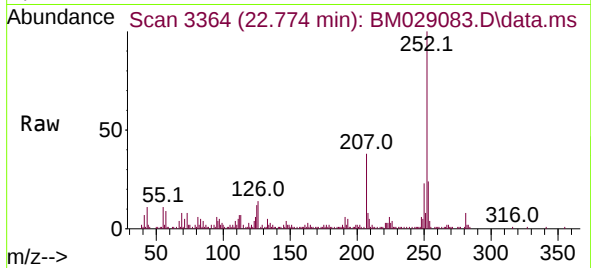




#88
Benzo(b)fluoranthene
Concen: 21.35 ng
RT: 22.774 min Scan# 3364
Delta R.T. -0.006 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15

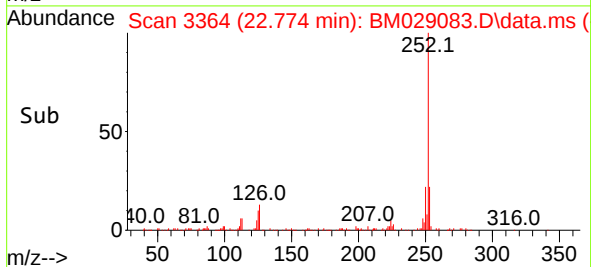
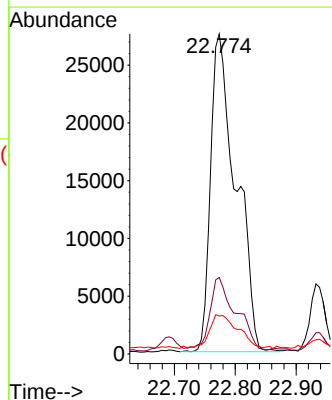
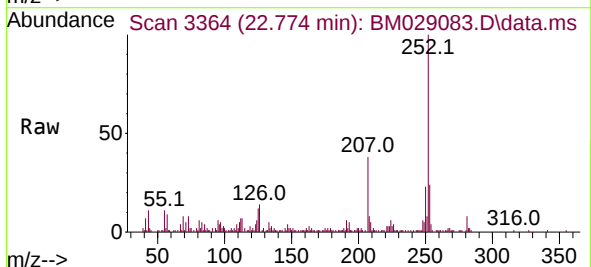
Instrument :
BNA_M
ClientSampleId :
OR-02-030821DL

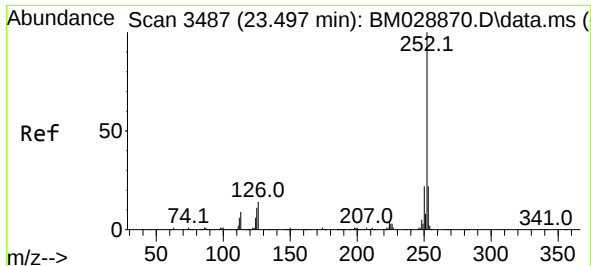
Tgt Ion:252 Resp: 79830
Ion Ratio Lower Upper
252 100
253 23.9 17.4 26.0
125 11.8 5.7 8.5#



#89
Benzo(k)fluoranthene
Concen: 22.47 ng
RT: 22.774 min Scan# 3364
Delta R.T. -0.047 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15

Tgt Ion:252 Resp: 79830
Ion Ratio Lower Upper
252 100
253 23.9 17.4 26.0
125 11.8 5.6 8.4#

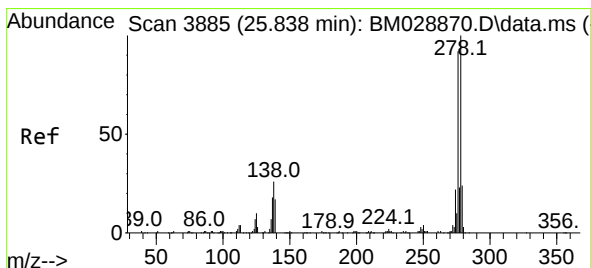
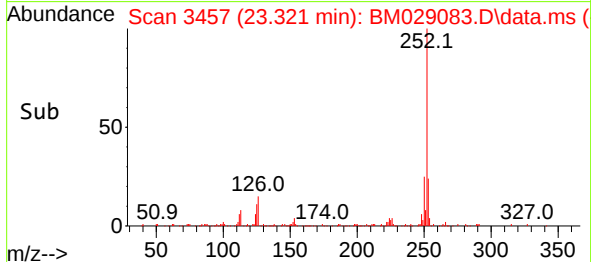
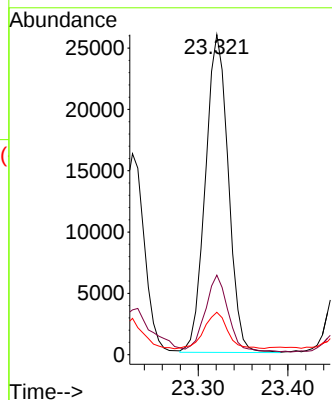
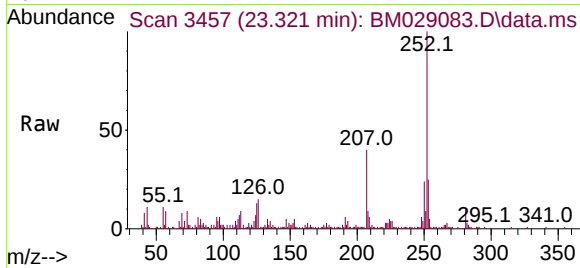




#90
Benzo(a)pyrene
Concen: 13.47 ng
RT: 23.321 min Scan# 3457
Delta R.T. -0.012 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15

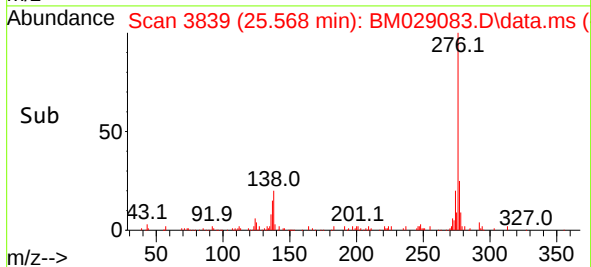
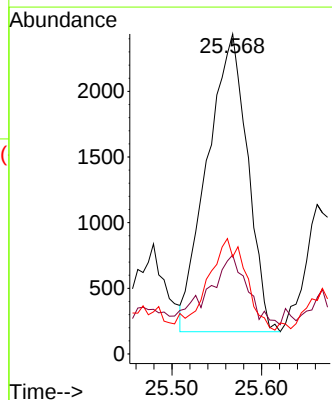
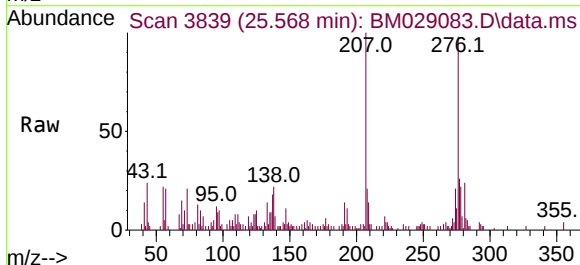
Instrument :
BNA_M
ClientSampleId :
OR-02-030821DL

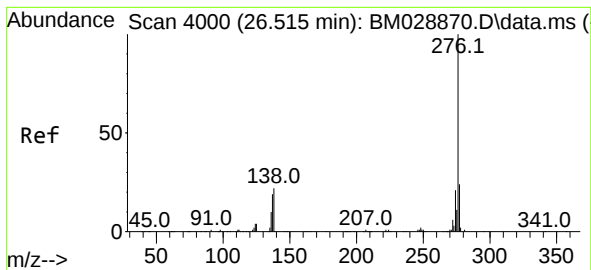
Tgt Ion:252 Resp: 45956
Ion Ratio Lower Upper
252 100
253 24.8 17.4 26.2
125 13.3 6.6 9.8#



#91
Dibenzo(a,h)anthracene
Concen: 2.04 ng
RT: 25.568 min Scan# 3839
Delta R.T. -0.018 min
Lab File: BM029083.D
Acq: 10 Mar 2021 23:15

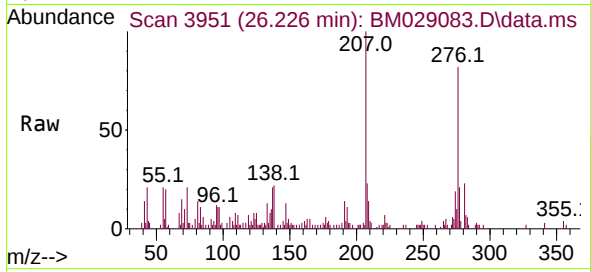
Tgt Ion:278 Resp: 7077
Ion Ratio Lower Upper
278 100
139 30.9 9.0 13.6#
279 30.4 19.0 28.4#





#92
 Benzo(g,h,i)perylene
 Concen: 8.18 ng
 RT: 26.226 min Scan# 3951
 Delta R.T. -0.012 min
 Lab File: BM029083.D
 Acq: 10 Mar 2021 23:15

Instrument :
 BNA_M
 ClientSampleId :
 OR-02-030821DL



Tgt Ion:	276	Resp:	27430
Ion Ratio	Lower	Upper	
276	100		
277	25.9	18.6	28.0
138	27.0	12.2	18.2#

