

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043021\
 Data File : BM029731.D
 Acq On : 30 Apr 2021 16:10
 Operator : CG/JU
 Sample : M2077-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-20-14.5-15.0

Manual Integrations
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Quant Time: Apr 30 16:42:09 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM043021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 29 17:34:54 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.593	152	63627	20.00	ng	0.00
21) Naphthalene-d8	10.369	136	225462	20.00	ng	# 0.00
39) Acenaphthene-d10	14.239	164	160656	20.00	ng	0.00
64) Phenanthrene-d10	16.992	188	363766	20.00	ng	# 0.00
76) Chrysene-d12	21.168	240	450846	20.00	ng	-0.01
86) Perylene-d12	23.344	264	466735	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.193	112	324515	106.34	ng	0.00
7) Phenol-d6	6.781	99	390336	94.20	ng	0.00
23) Nitrobenzene-d5	8.745	82	256982	65.86	ng	0.00
42) 2,4,6-Tribromophenol	15.733	330	263486	103.30	ng	0.00
45) 2-Fluorobiphenyl	12.851	172	681930	55.05	ng	-0.01
79) Terphenyl-d14	19.621	244	1187667	48.35	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.804	94	9492	2.40	ng	83
31) Naphthalene	10.422	128	1739404	150.79	ng	99
37) 2-Methylnaphthalene	12.051	142	3164000	356.77	ng	98
38) 1-Methylnaphthalene	12.269	142	1347486	159.51	ng	99
46) 1,1'-Biphenyl	13.069	154	515398	42.49	ng	98
49) Acenaphthylene	13.957	152	102505	6.94	ng	# 89
50) Dimethylphthalate	13.704	163	49234	4.01	ng	98
52) Acenaphthene	14.310	154	1871398	204.35	ng	97
55) Dibenzofuran	14.645	168	3168063	205.34	ng	93
58) Fluorene	15.298	166	3223233	254.39	ng	99
71) Phenanthrene	17.051	178	12056364	588.11	ng	93
72) Anthracene	17.121	178	1662207	81.66	ng	99
73) Carbazole	17.392	167	1158536	63.11	ng	99
75) Fluoranthene	19.062	202	7494961	297.73	ng	96
78) Pyrene	19.415	202	4955984	171.41	ng	98
81) Benzo(a)anthracene	21.156	228	1228034	41.87	ng	98
83) Chrysene	21.209	228	856675	29.43	ng	96
87) Indeno(1,2,3-cd)pyrene	25.509	276	88134	2.49	ng	96
88) Benzo(b)fluoranthene	22.697	252	482660m	15.64	ng	
89) Benzo(k)fluoranthene	22.733	252	182547m	6.10	ng	
90) Benzo(a)pyrene	23.244	252	288404	10.21	ng	97
92) Benzo(g,h,i)perylene	26.180	276	66457	2.31	ng	98

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

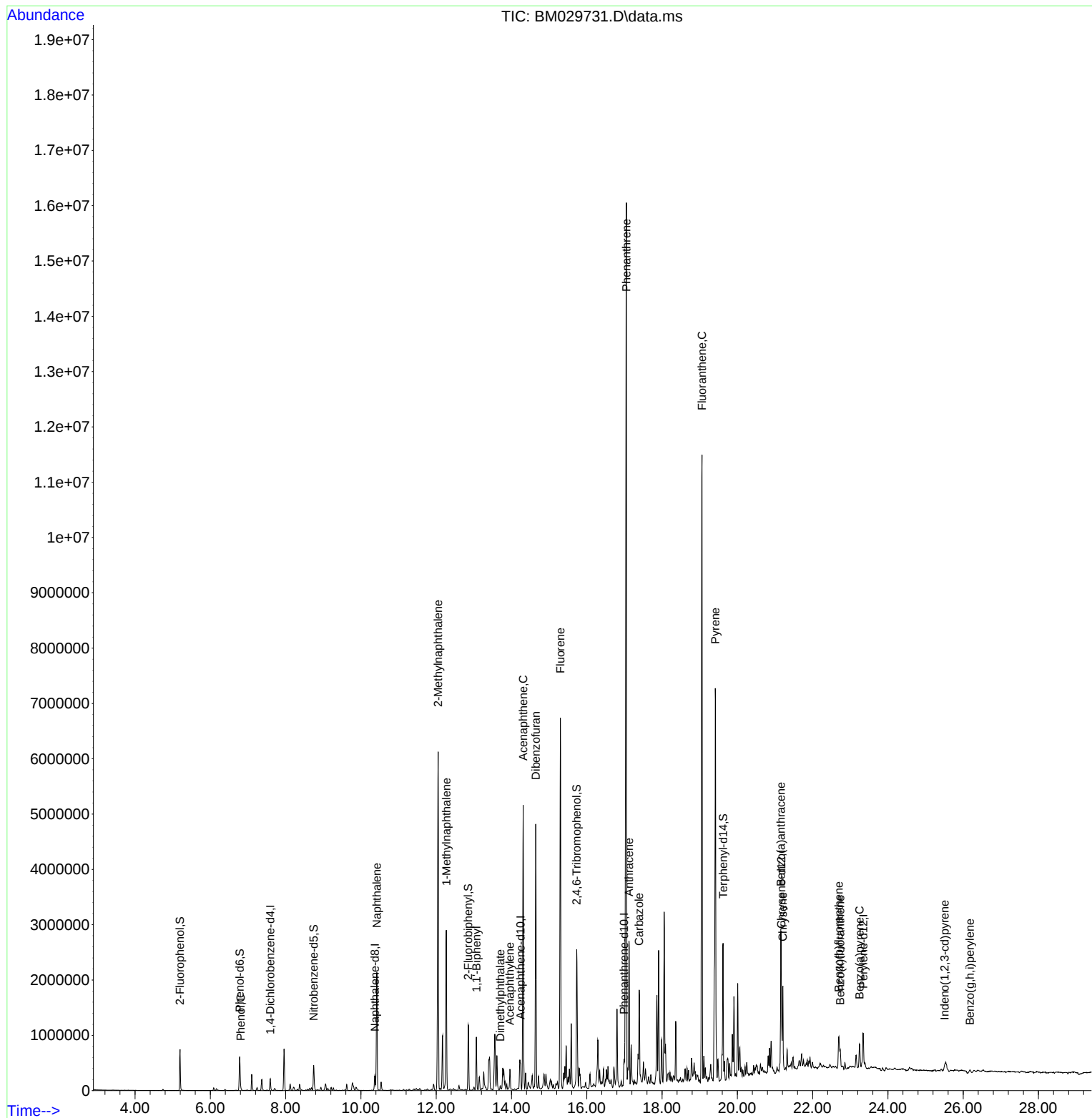
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043021\
Data File : BM029731.D
Acq On : 30 Apr 2021 16:10
Operator : CG/JU
Sample : M2077-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

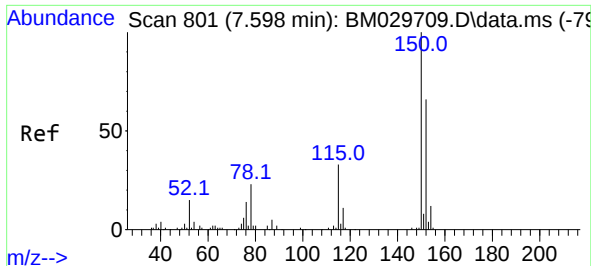
Instrument :
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ClientSampleId :
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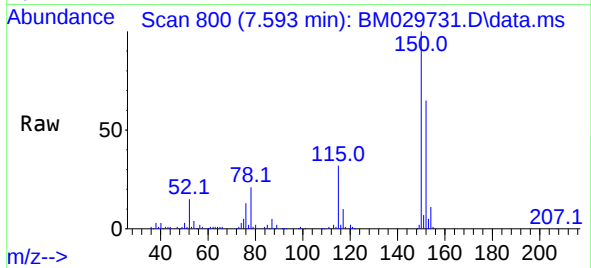
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Quant Time: Apr 30 16:42:09 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM043021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 29 17:34:54 2021
Response via : Initial Calibration

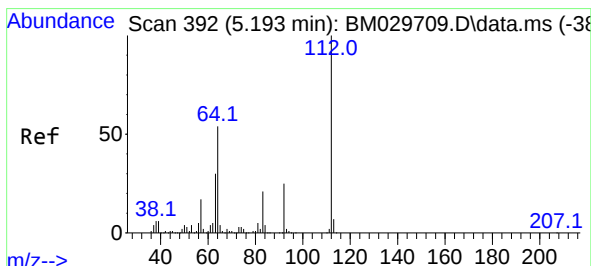
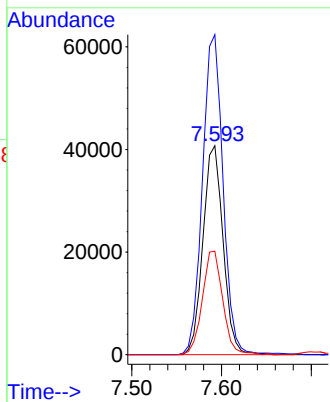
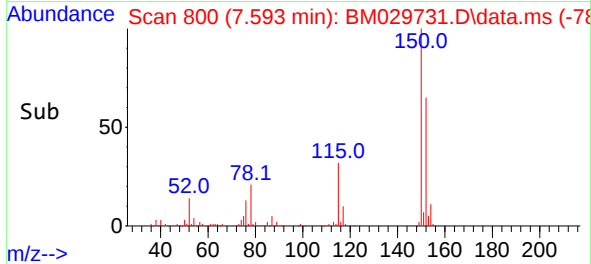




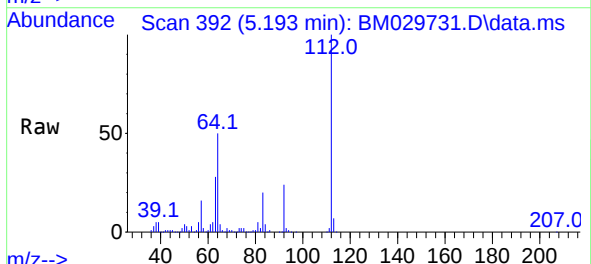
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.593 min Scan# 800
Delta R.T. -0.005 min
Lab File: BM029731.D
Acq: 30 Apr 2021 16:10



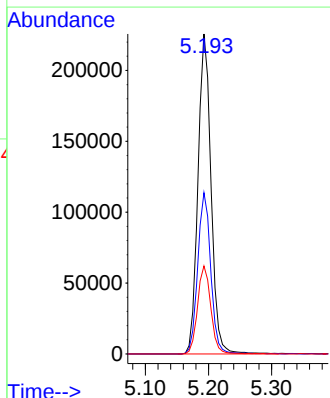
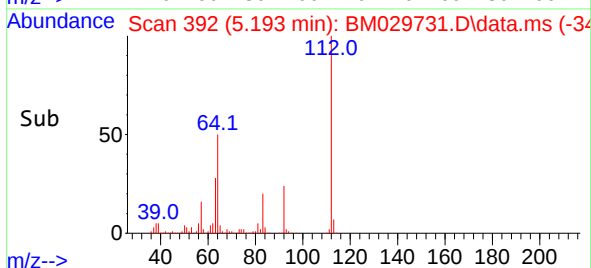
Tgt Ion:152 Resp: 63627
Ion Ratio Lower Upper
152 100
150 153.2 125.9 188.9
115 49.5 44.6 67.0



#5
2-Fluorophenol
Concen: 106.34 ng
RT: 5.193 min Scan# 392
Delta R.T. 0.000 min
Lab File: BM029731.D
Acq: 30 Apr 2021 16:10



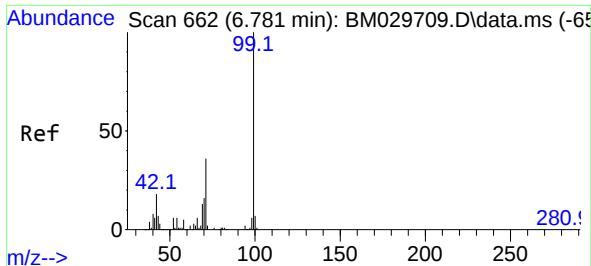
Tgt Ion:112 Resp: 324515
Ion Ratio Lower Upper
112 100
64 50.4 47.1 70.7
63 27.5 27.3 40.9



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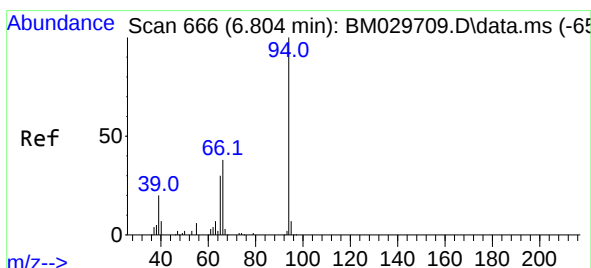
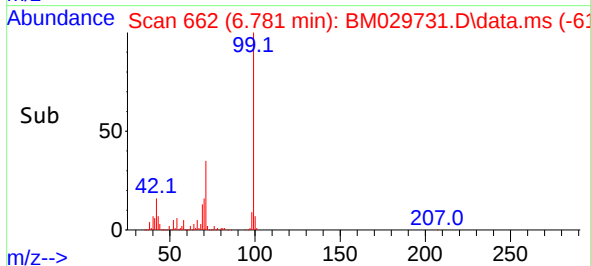
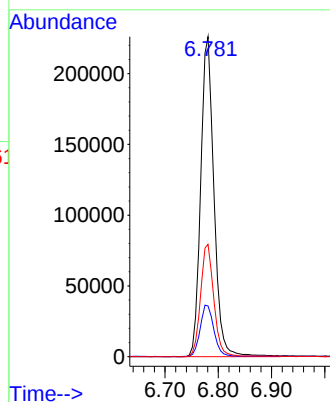
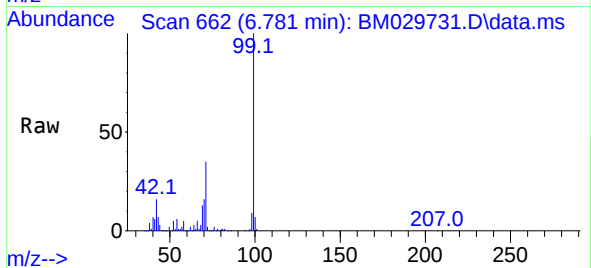
#7
Phenol-d6
Concen: 94.20 ng
RT: 6.781 min Scan# 662
Delta R.T. 0.000 min
Lab File: BM029731.D
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ClientSampleId :
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Tgt Ion: 99 Resp: 390336
Ion Ratio Lower Upper
99 100
42 15.9 18.0 27.0#
71 35.1 30.9 46.3

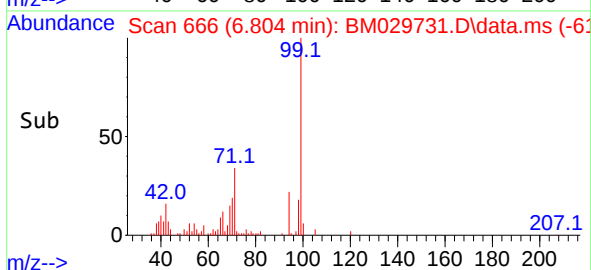
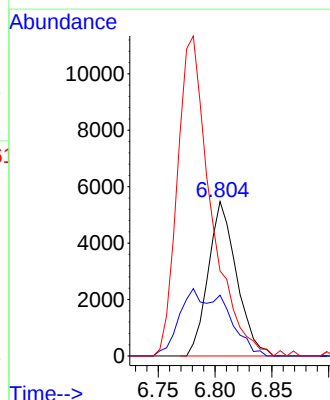
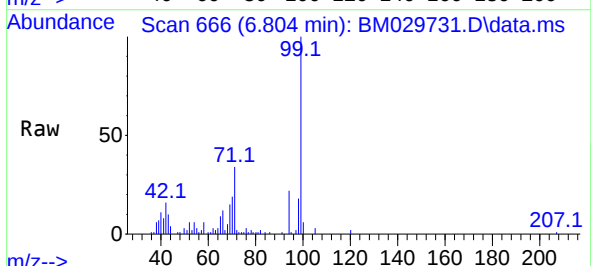
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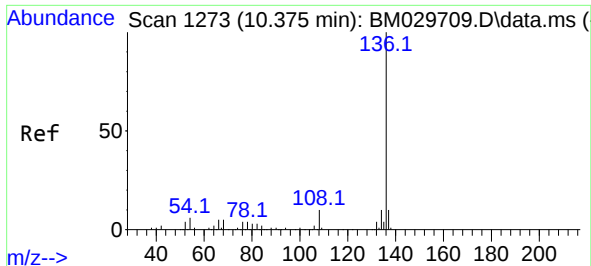
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#10
Phenol
Concen: 2.40 ng
RT: 6.804 min Scan# 666
Delta R.T. 0.000 min
Lab File: BM029731.D
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Tgt Ion: 94 Resp: 9492
Ion Ratio Lower Upper
94 100
65 39.4 11.9 51.9
66 55.0 22.6 62.6





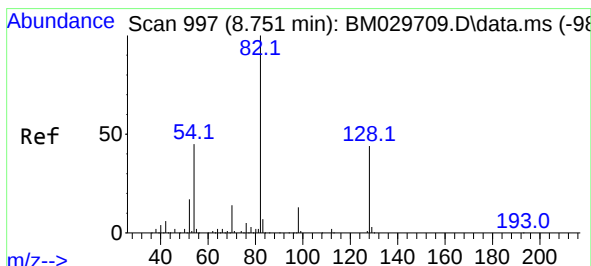
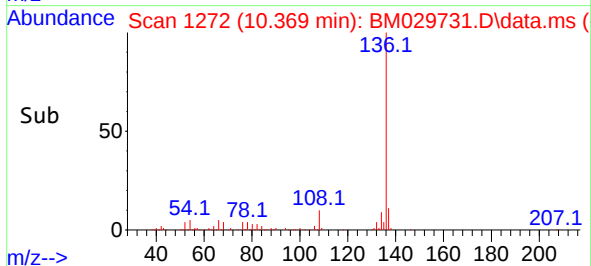
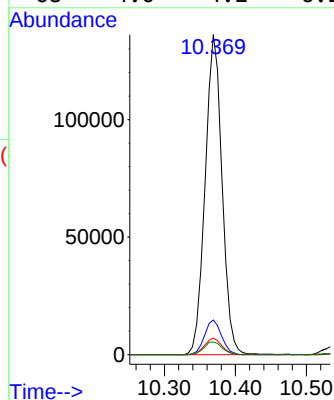
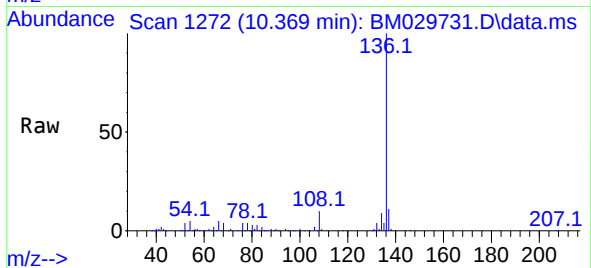
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.369 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BM029731.D
Acq: 30 Apr 2021 16:10

Tgt Ion:	136	Resp:	225462
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.4	12.6
54	5.2	5.5	8.3#
68	4.0	4.2	6.2#

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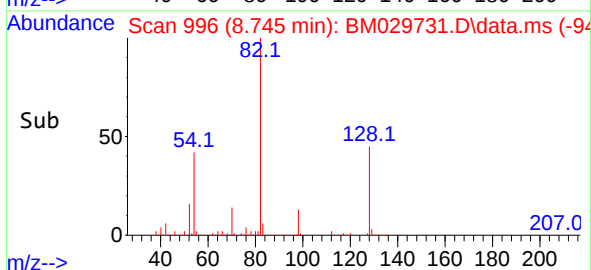
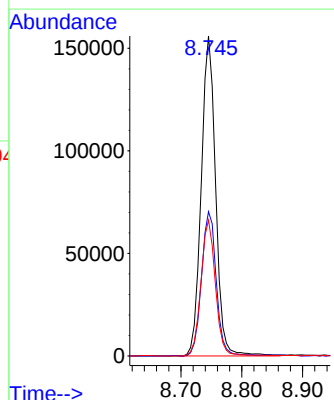
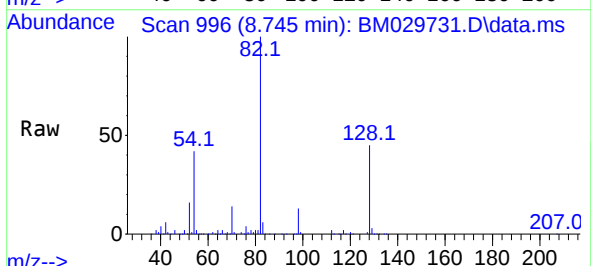
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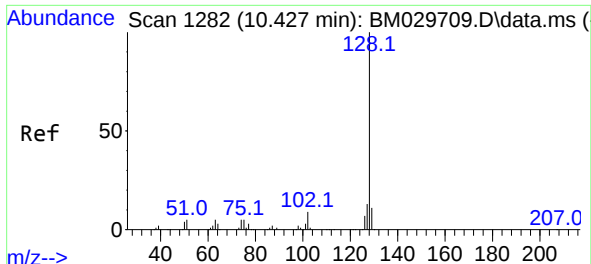
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#23
Nitrobenzene-d5
Concen: 65.86 ng
RT: 8.745 min Scan# 996
Delta R.T. -0.006 min
Lab File: BM029731.D
Acq: 30 Apr 2021 16:10

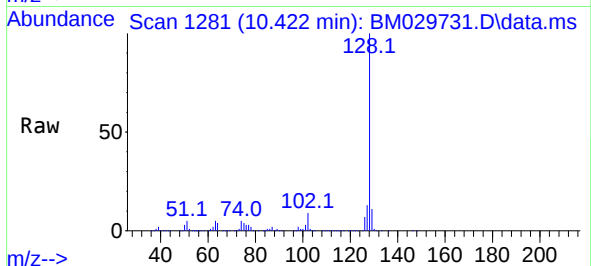
Tgt Ion:	82	Resp:	256982
Ion Ratio	Lower	Upper	
82	100		
128	45.1	31.1	46.7
54	42.4	37.3	55.9





#31
Naphthalene
Concen: 150.79 ng
RT: 10.422 min Scan# 1281
Delta R.T. -0.006 min
Lab File: BM029731.D
Acq: 30 Apr 2021 16:10

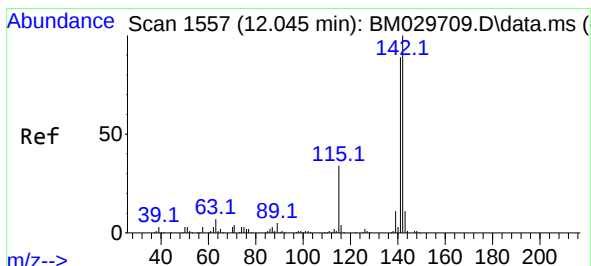
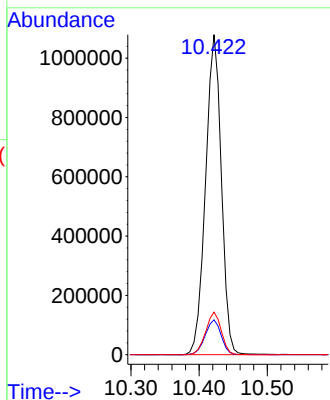
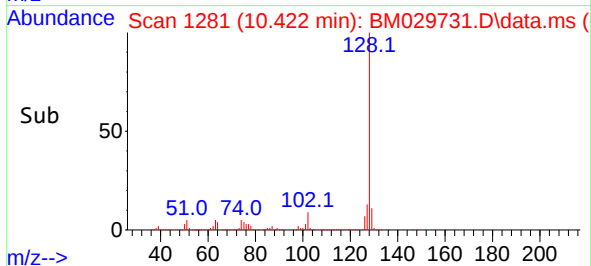
Instrument :
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ClientSampleId :
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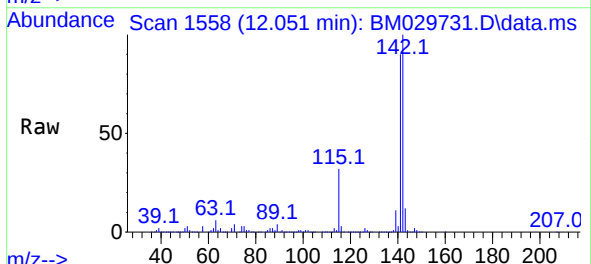
Tgt Ion:128 Resp: 1739404
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.6
127 13.3 10.8 16.2

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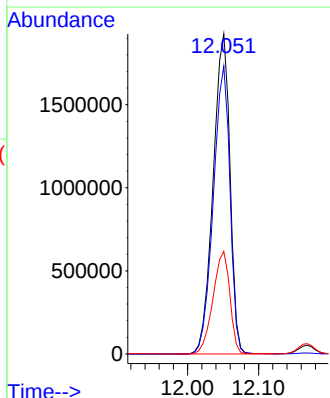
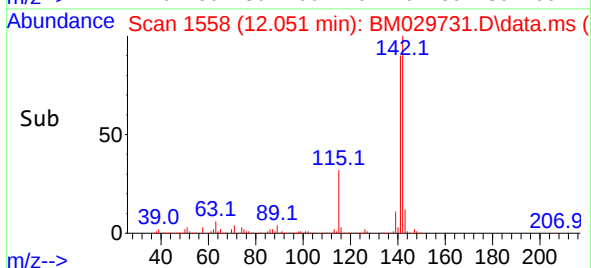
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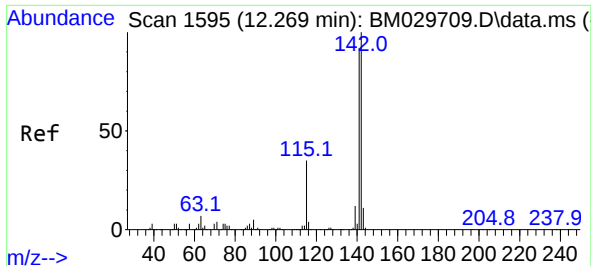


#37
2-Methylnaphthalene
Concen: 356.77 ng
RT: 12.051 min Scan# 1558
Delta R.T. 0.006 min
Lab File: BM029731.D
Acq: 30 Apr 2021 16:10



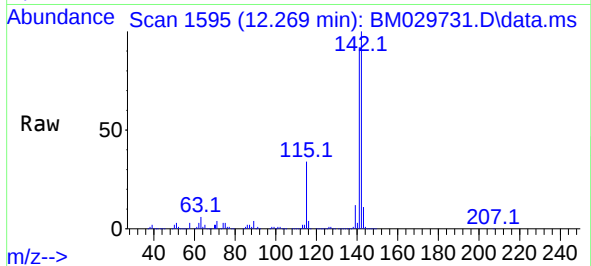
Tgt Ion:142 Resp: 3164000
Ion Ratio Lower Upper
142 100
141 90.0 71.7 107.5
115 32.1 29.1 43.7





#38
1-Methylnaphthalene
Concen: 159.51 ng
RT: 12.269 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BM029731.D
Acq: 30 Apr 2021 16:10

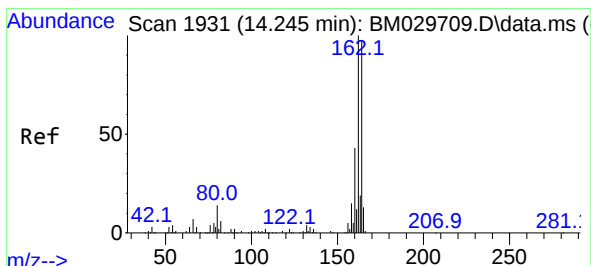
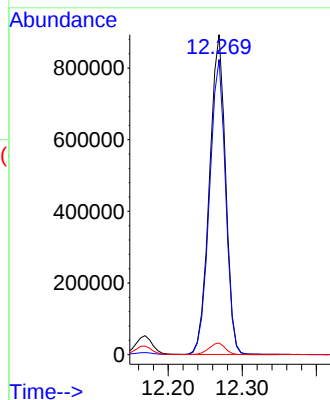
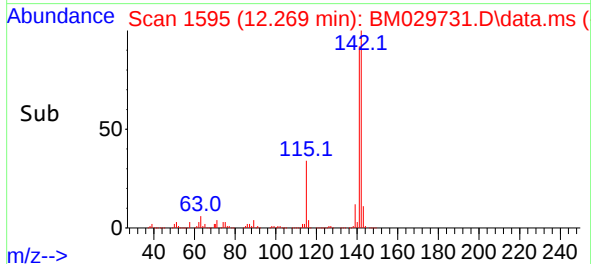
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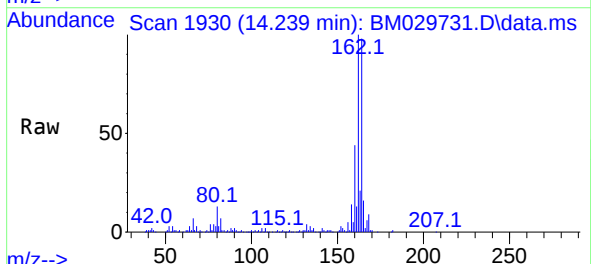
Tgt Ion:142 Resp: 1347486
Ion Ratio Lower Upper
142 100
141 92.3 74.2 111.4
116 3.7 3.0 4.6

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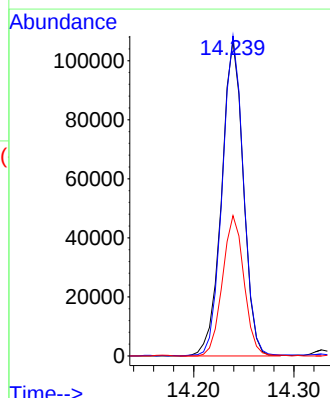
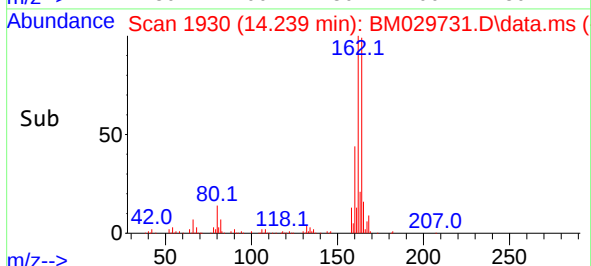
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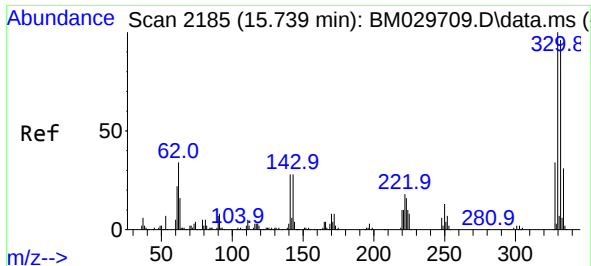


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.239 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BM029731.D
Acq: 30 Apr 2021 16:10

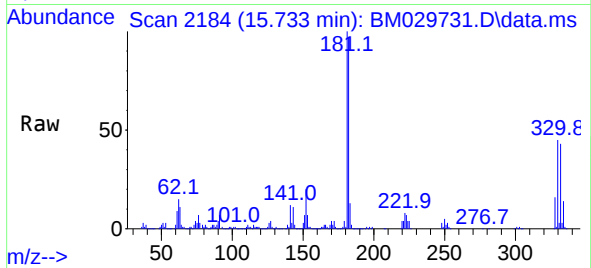


Tgt Ion:164 Resp: 160656
Ion Ratio Lower Upper
164 100
162 101.6 83.4 125.0
160 44.6 37.2 55.8

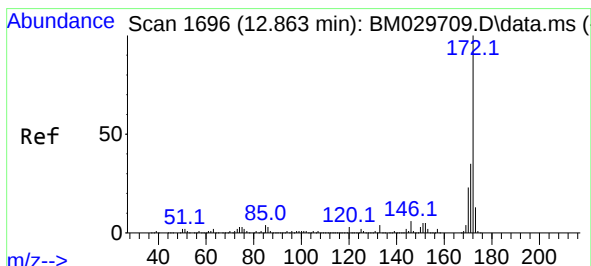
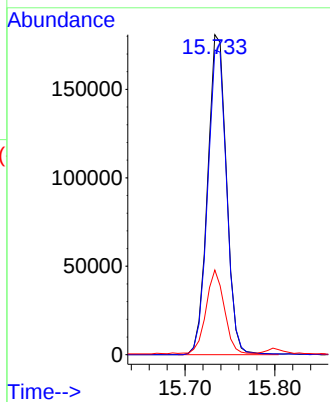
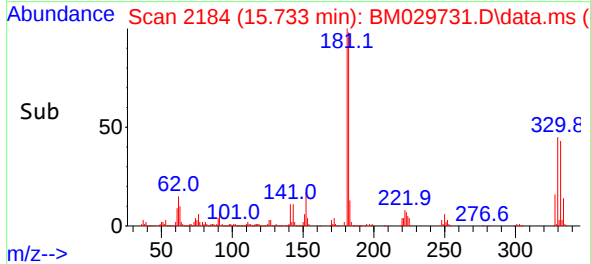




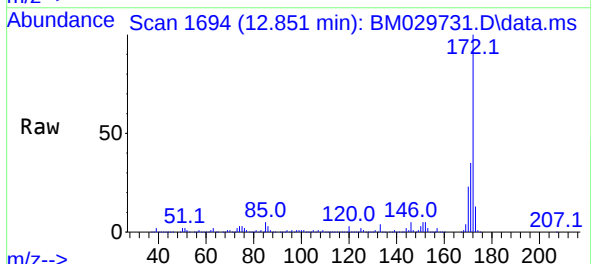
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2,4,6-Tribromophenol
Concen: 103.30 ng
RT: 15.733 min Scan# 2184
Delta R.T. -0.006 min
Lab File: BM029731.D
Acq: 30 Apr 2021 16:10



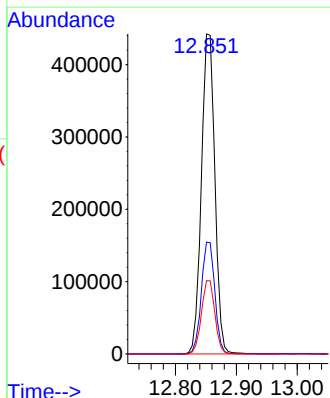
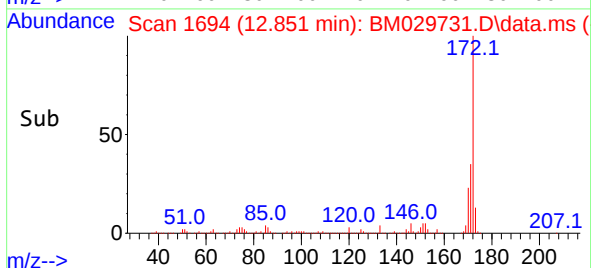
Tgt Ion:330 Resp: 263486
Ion Ratio Lower Upper
330 100
332 96.4 77.0 115.4
141 25.9 30.2 45.2#



#45
2-Fluorobiphenyl
Concen: 55.05 ng
RT: 12.851 min Scan# 1694
Delta R.T. -0.012 min
Lab File: BM029731.D
Acq: 30 Apr 2021 16:10



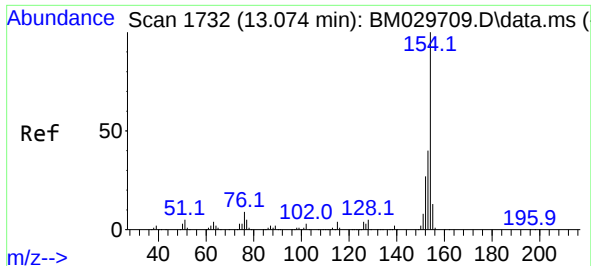
Tgt Ion:172 Resp: 681930
Ion Ratio Lower Upper
172 100
171 35.0 28.6 43.0
170 22.9 18.4 27.6



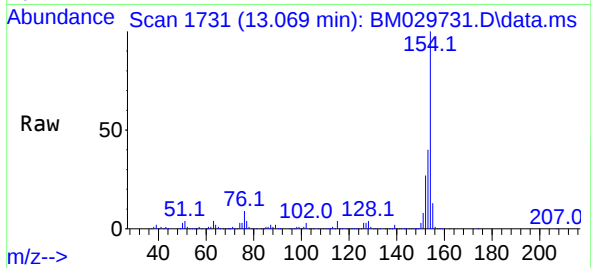
Instrument :
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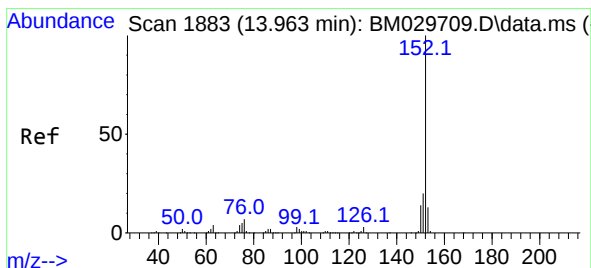
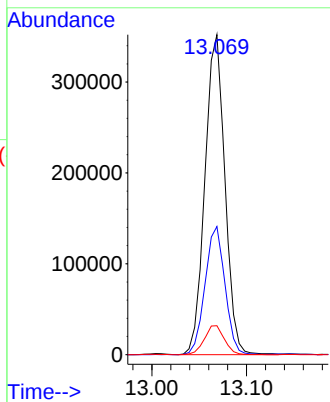
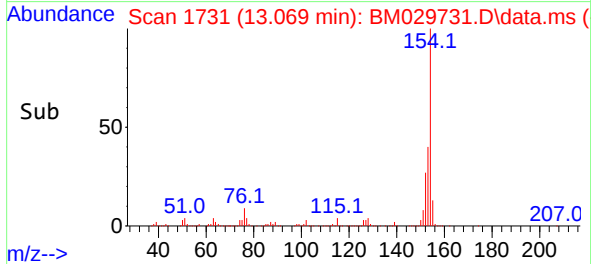
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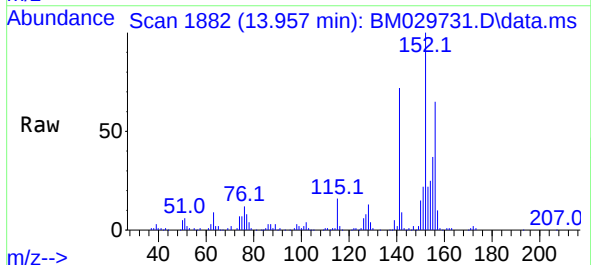
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1,1'-Biphenyl
Concen: 42.49 ng
RT: 13.069 min Scan# 1731
Delta R.T. -0.006 min
Lab File: BM029731.D
Acq: 30 Apr 2021 16:10



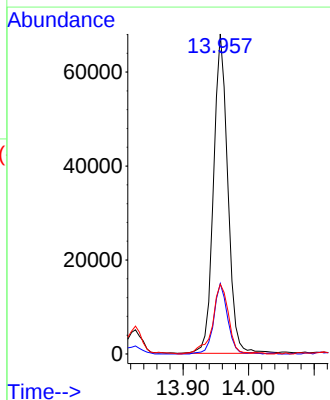
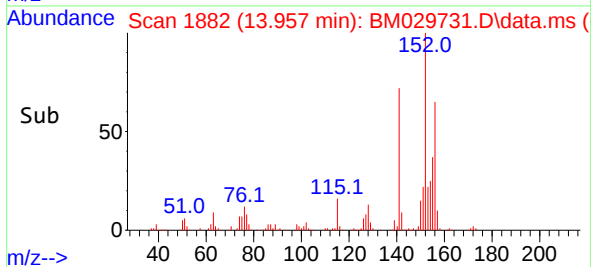
Tgt Ion:154 Resp: 515398
Ion Ratio Lower Upper
154 100
153 40.1 20.7 60.7
76 9.1 0.0 31.0



#49
Acenaphthylene
Concen: 6.94 ng
RT: 13.957 min Scan# 1882
Delta R.T. -0.006 min
Lab File: BM029731.D
Acq: 30 Apr 2021 16:10



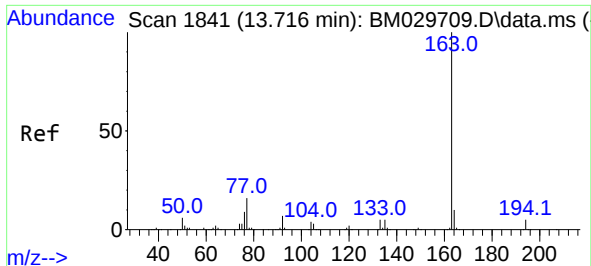
Tgt Ion:152 Resp: 102505
Ion Ratio Lower Upper
152 100
151 22.0 16.3 24.5
153 21.8 10.2 15.4#



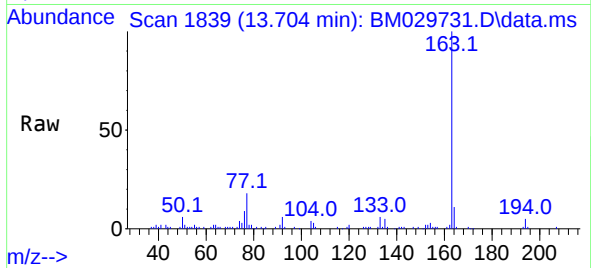
Instrument :
BNA_M
ClientSampleId :
SB-20-14.5-15.0

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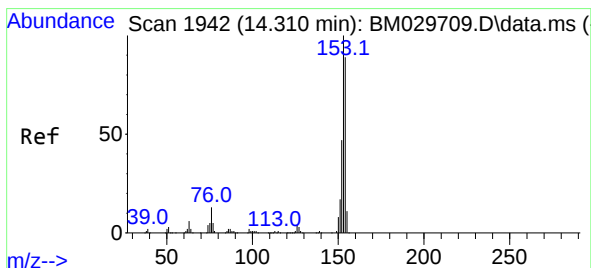
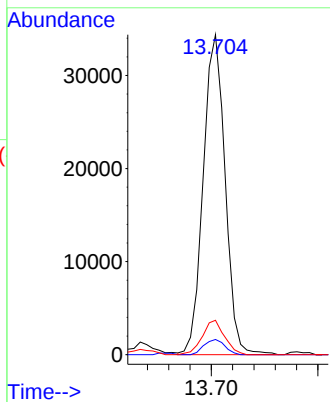
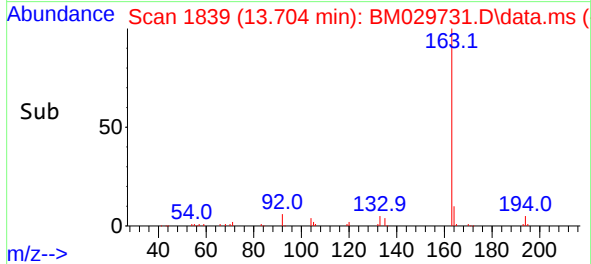
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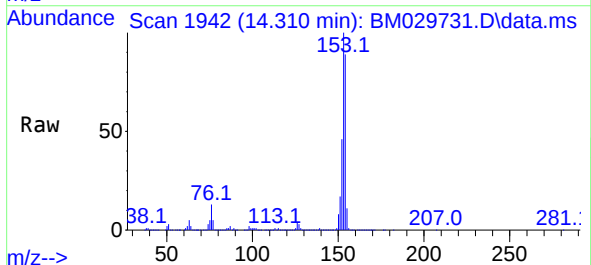
#50
Dimethylphthalate
Concen: 4.01 ng
RT: 13.704 min Scan# 1839
Delta R.T. -0.012 min
Lab File: BM029731.D
Acq: 30 Apr 2021 16:10



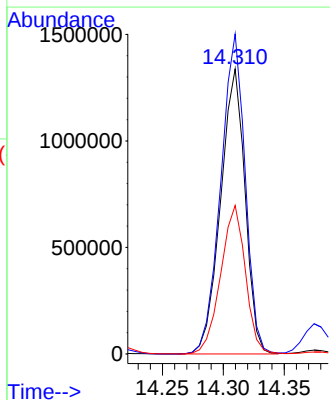
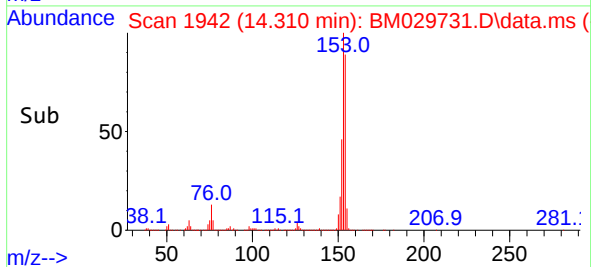
Tgt Ion:163 Resp: 49234
Ion Ratio Lower Upper
163 100
194 4.8 3.3 4.9
164 10.8 7.9 11.9



#52
Acenaphthene
Concen: 204.35 ng
RT: 14.310 min Scan# 1942
Delta R.T. 0.000 min
Lab File: BM029731.D
Acq: 30 Apr 2021 16:10



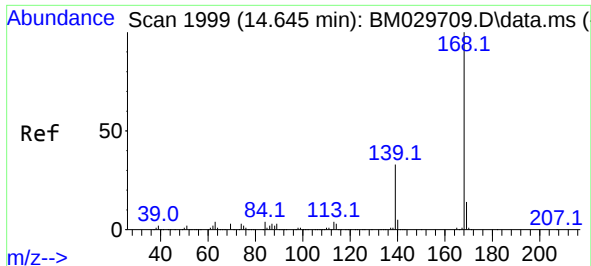
Tgt Ion:154 Resp: 1871398
Ion Ratio Lower Upper
154 100
153 112.2 92.2 138.2
152 52.1 43.4 65.2



Instrument :
BNA_M
ClientSampleId :
SB-20-14.5-15.0

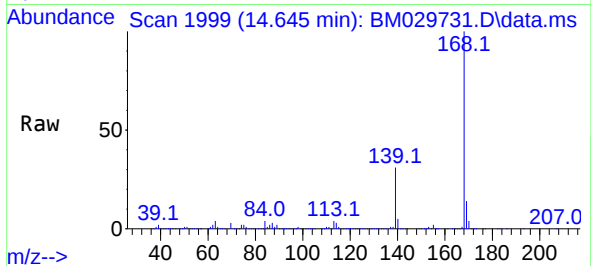
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#55
Dibenzenofuran
Concen: 205.34 ng
RT: 14.645 min Scan# 1999
Delta R.T. 0.000 min
Lab File: BM029731.D
Acq: 30 Apr 2021 16:10

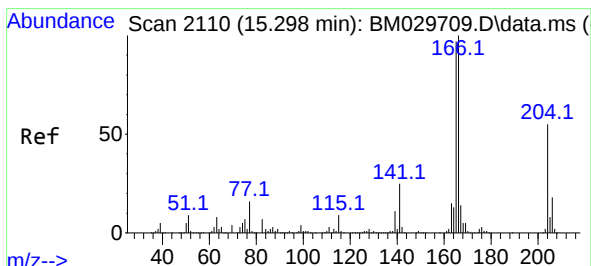
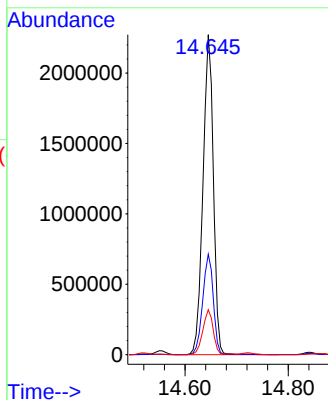
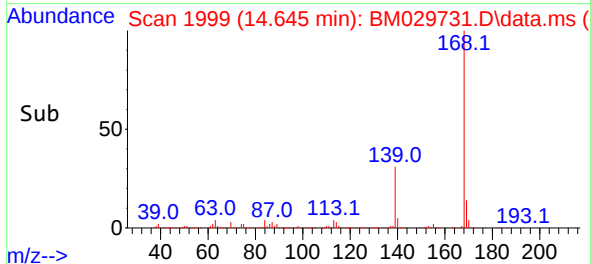
Instrument :
BNA_M
ClientSampleId :
SB-20-14.5-15.0



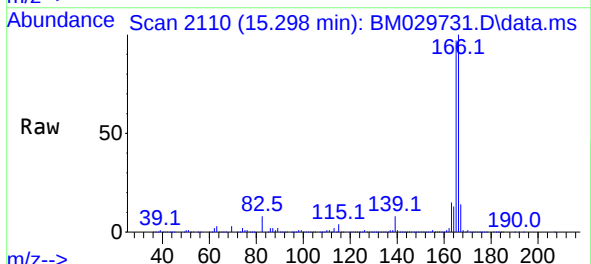
Tgt Ion:168 Resp: 3168063
Ion Ratio Lower Upper
168 100
139 31.4 29.4 44.0
169 14.0 10.8 16.2

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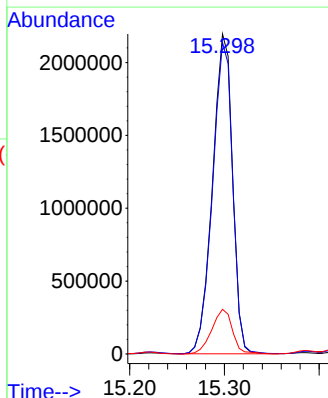
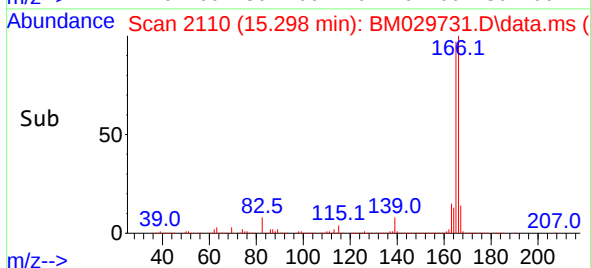
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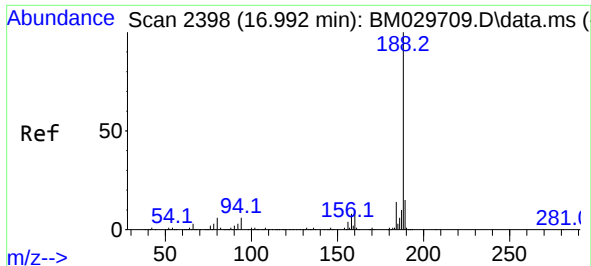


#58
Fluorene
Concen: 254.39 ng
RT: 15.298 min Scan# 2110
Delta R.T. 0.000 min
Lab File: BM029731.D
Acq: 30 Apr 2021 16:10



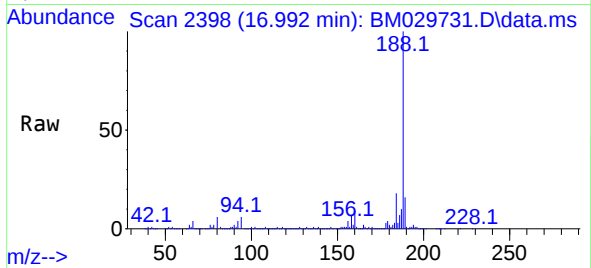
Tgt Ion:166 Resp: 3223233
Ion Ratio Lower Upper
166 100
165 97.4 79.0 118.6
167 13.9 10.8 16.2





#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.992 min Scan# 2398
Delta R.T. 0.000 min
Lab File: BM029731.D
Acq: 30 Apr 2021 16:10

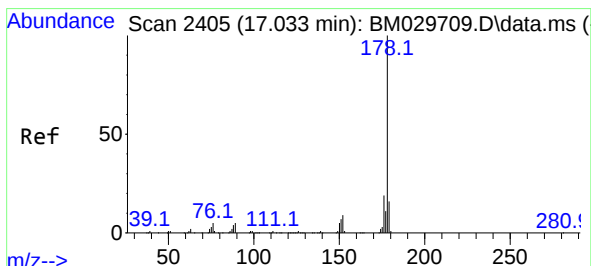
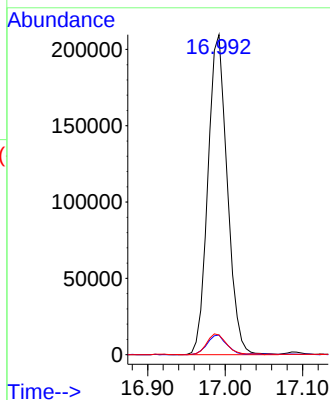
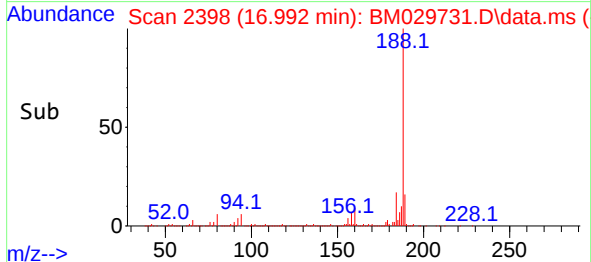
Instrument :
BNA_M
ClientSampleId :
SB-20-14.5-15.0



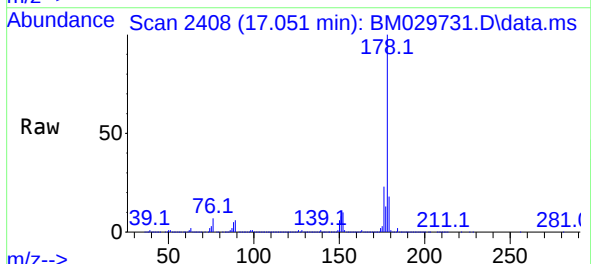
Tgt Ion:188 Resp: 363766
Ion Ratio Lower Upper
188 100
94 6.1 6.0 9.0
80 6.1 6.6 9.8#

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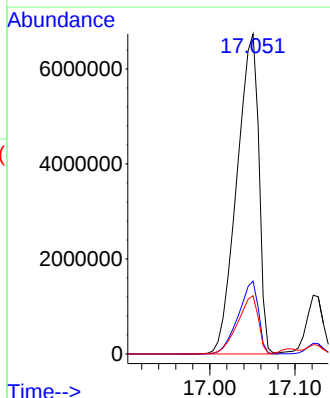
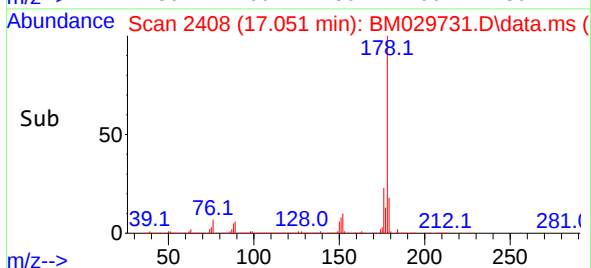
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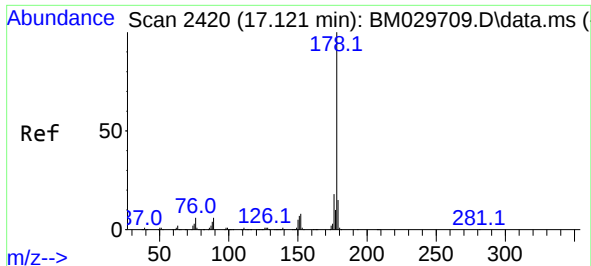


#71
Phenanthrene
Concen: 588.11 ng
RT: 17.051 min Scan# 2408
Delta R.T. 0.018 min
Lab File: BM029731.D
Acq: 30 Apr 2021 16:10



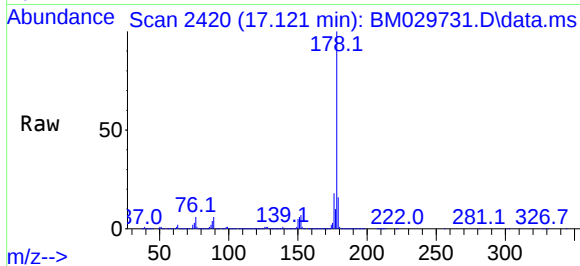
Tgt Ion:178 Resp:12056364
Ion Ratio Lower Upper
178 100
176 22.7 15.4 23.0
179 18.2 12.2 18.4





#72
 Anthracene
 Concen: 81.66 ng
 RT: 17.121 min Scan# 2420
 Delta R.T. 0.000 min
 Lab File: BM029731.D
 Acq: 30 Apr 2021 16:10

Instrument :
 BNA_M
 ClientSampled :
 SB-20-14.5-15.0

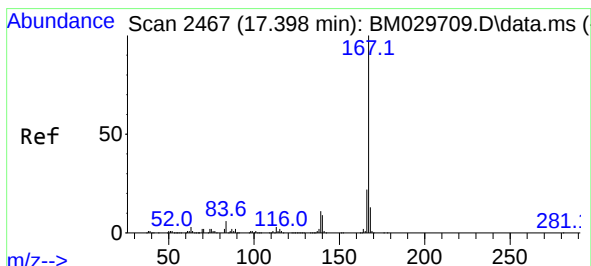
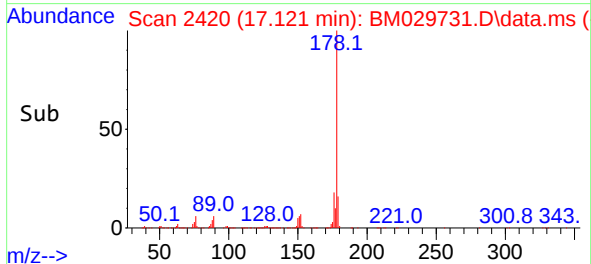
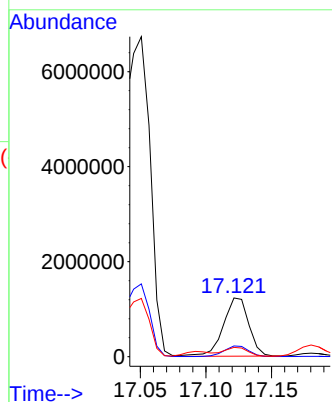


Tgt Ion:178 Resp: 1662207

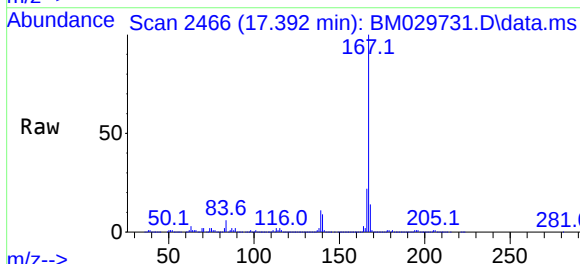
Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.0	22.4
179	15.7	12.5	18.7

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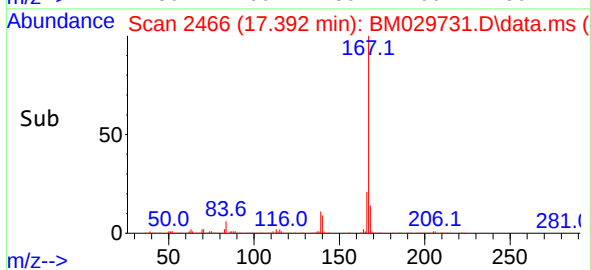
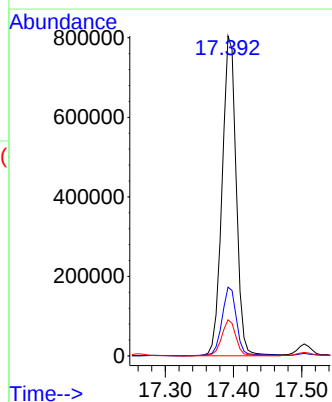


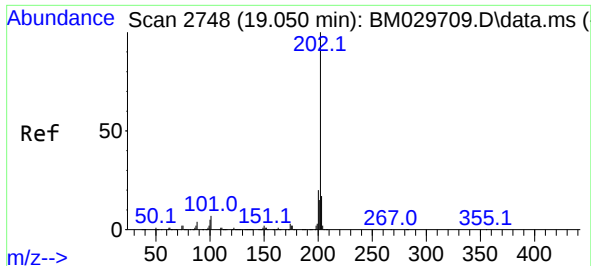
#73
 Carbazole
 Concen: 63.11 ng
 RT: 17.392 min Scan# 2466
 Delta R.T. -0.006 min
 Lab File: BM029731.D
 Acq: 30 Apr 2021 16:10



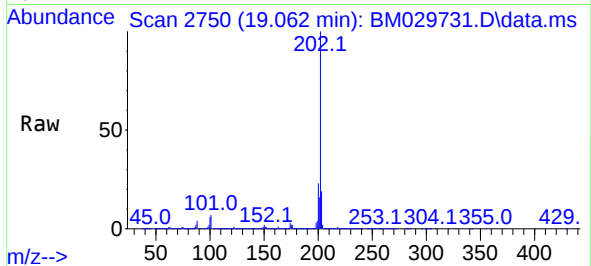
Tgt Ion:167 Resp: 1158536

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.4	26.0
139	11.3	9.8	14.6

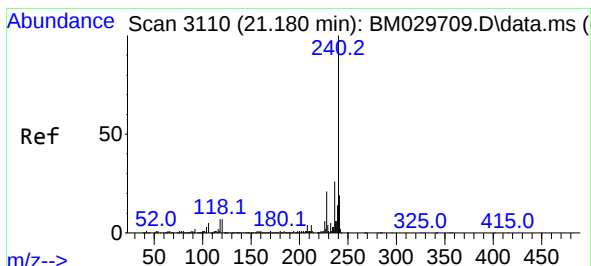
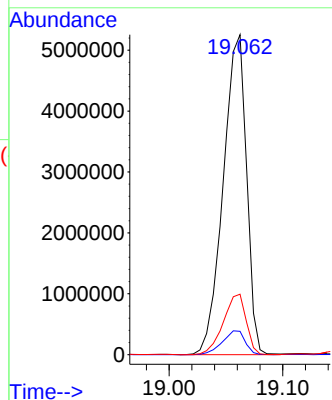
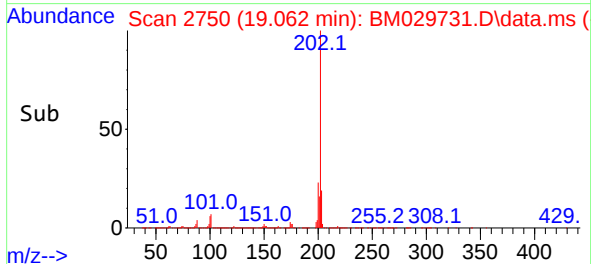




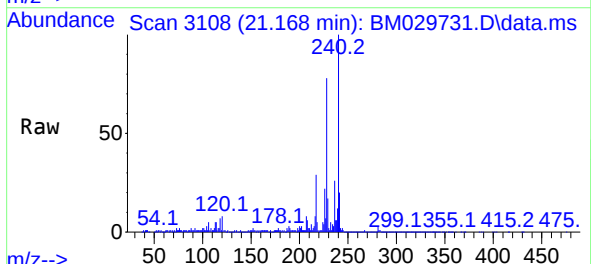
#75
Fluoranthene
Concen: 297.73 ng
RT: 19.062 min Scan# 2750
Delta R.T. 0.012 min
Lab File: BM029731.D
Acq: 30 Apr 2021 16:10



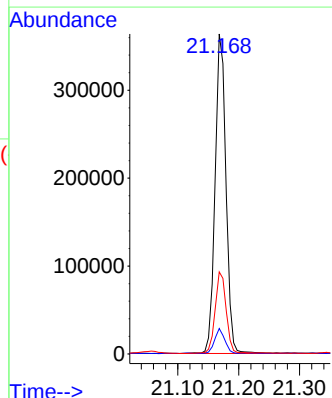
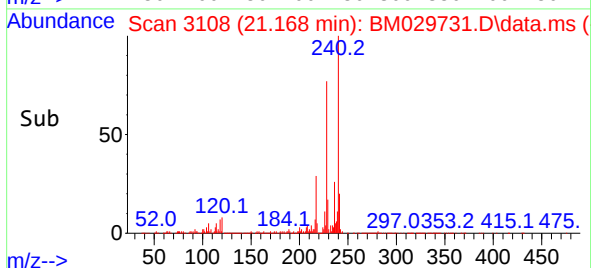
Tgt Ion:202 Resp: 7494961
Ion Ratio Lower Upper
202 100
101 7.3 0.0 28.6
203 18.9 0.0 37.3



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.168 min Scan# 3108
Delta R.T. -0.012 min
Lab File: BM029731.D
Acq: 30 Apr 2021 16:10



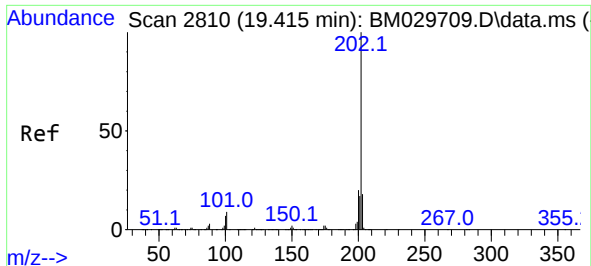
Tgt Ion:240 Resp: 450846
Ion Ratio Lower Upper
240 100
120 8.0 7.0 10.6
236 25.6 21.0 31.4



Instrument :
BNA_M
ClientSampleId :
SB-20-14.5-15.0

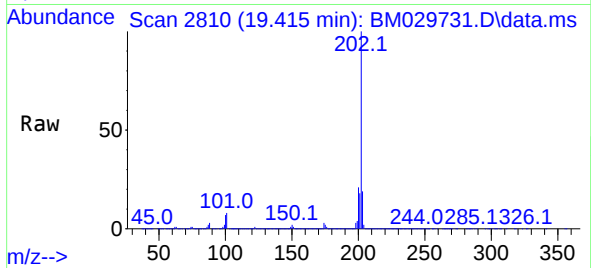
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#78
Pyrene
Concen: 171.41 ng
RT: 19.415 min Scan# 2810
Delta R.T. 0.000 min
Lab File: BM029731.D
Acq: 30 Apr 2021 16:10

Instrument :
BNA_M
ClientSampleId :
SB-20-14.5-15.0

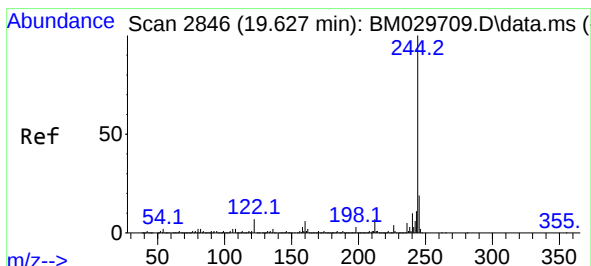
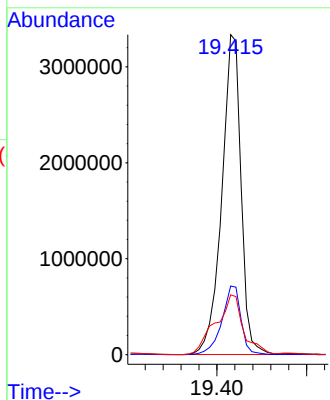
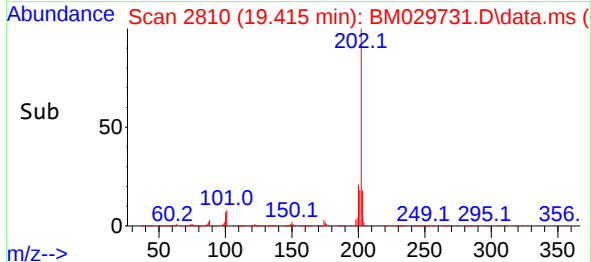


Tgt Ion:202 Resp: 4955984

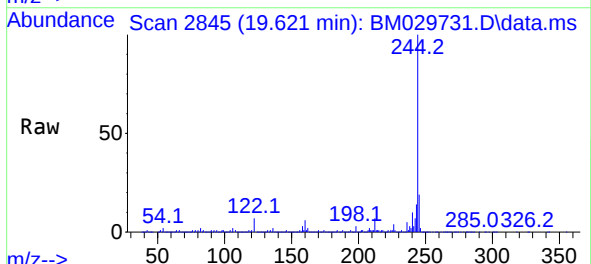
Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.3	25.9
203	18.7	13.9	20.9

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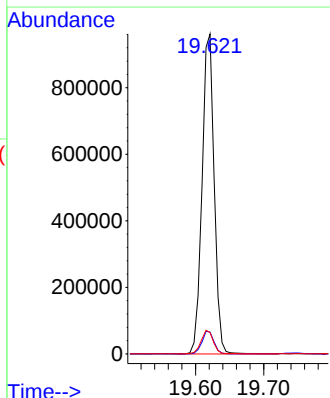
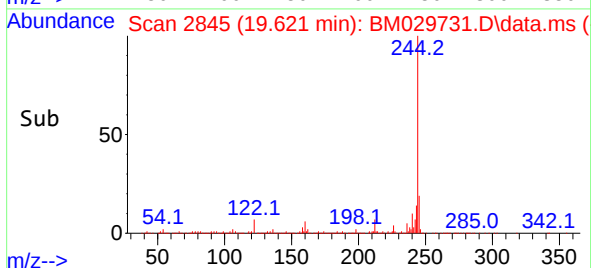


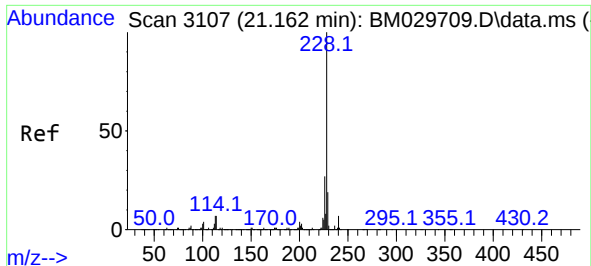
#79
Terphenyl-d14
Concen: 48.35 ng
RT: 19.621 min Scan# 2845
Delta R.T. -0.006 min
Lab File: BM029731.D
Acq: 30 Apr 2021 16:10



Tgt Ion:244 Resp: 1187667

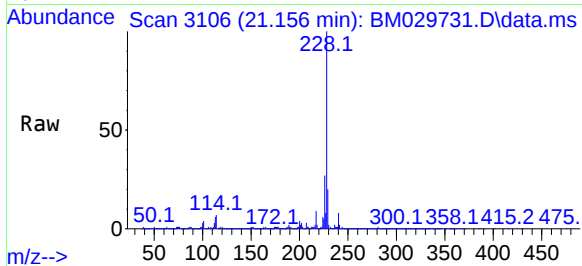
Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.3	9.5
122	6.7	6.9	10.3





#81
Benzo(a)anthracene
Concen: 41.87 ng
RT: 21.156 min Scan# 3106
Delta R.T. -0.006 min
Lab File: BM029731.D
Acq: 30 Apr 2021 16:10

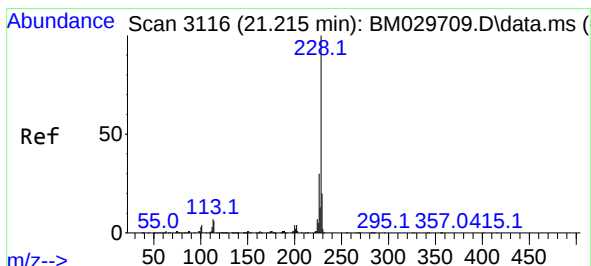
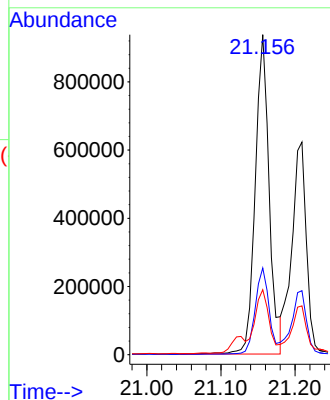
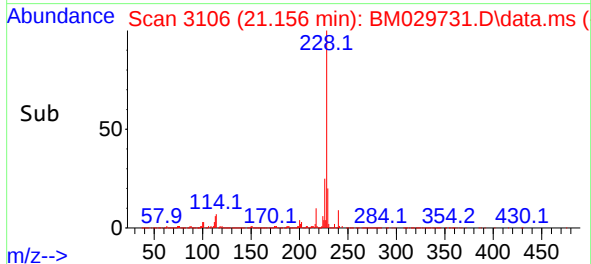
Instrument :
BNA_M
ClientSampled :
SB-20-14.5-15.0



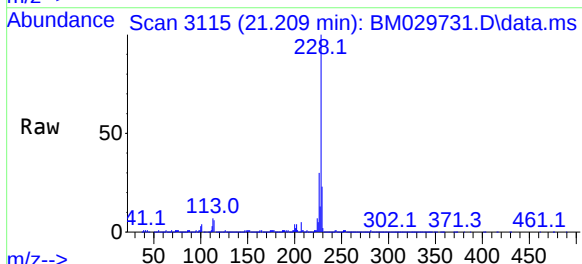
Tgt Ion:228 Resp: 1228034
Ion Ratio Lower Upper
228 100
226 27.1 22.3 33.5
229 20.3 15.7 23.5

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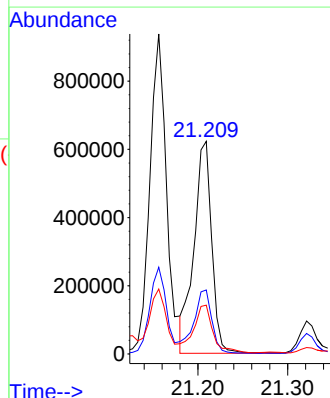
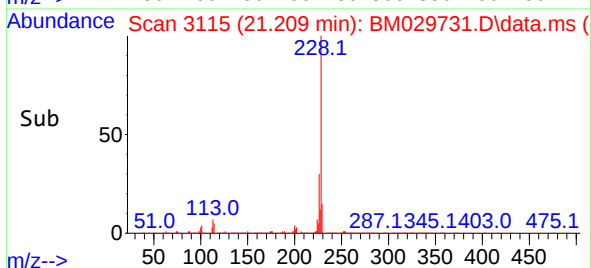
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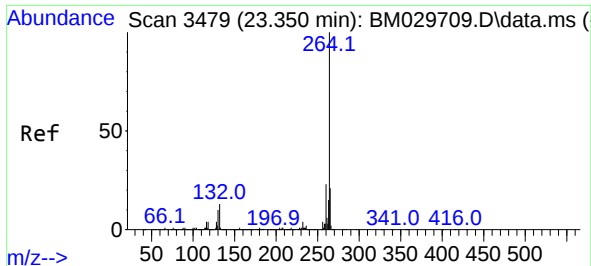


#83
Chrysene
Concen: 29.43 ng
RT: 21.209 min Scan# 3115
Delta R.T. -0.006 min
Lab File: BM029731.D
Acq: 30 Apr 2021 16:10



Tgt Ion:228 Resp: 856675
Ion Ratio Lower Upper
228 100
226 30.1 24.6 36.8
229 23.0 15.5 23.3





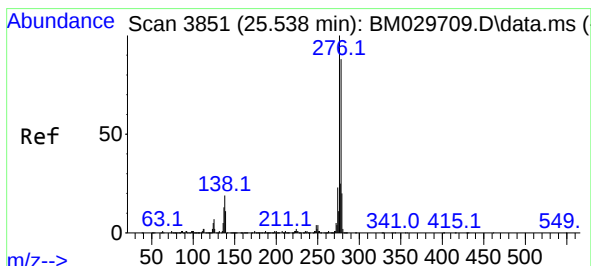
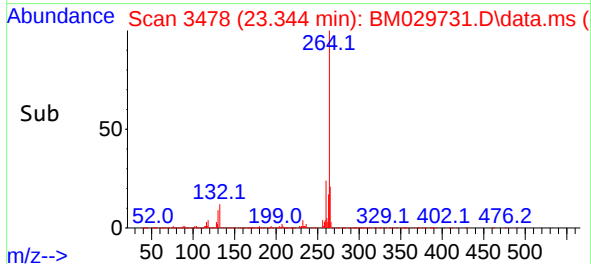
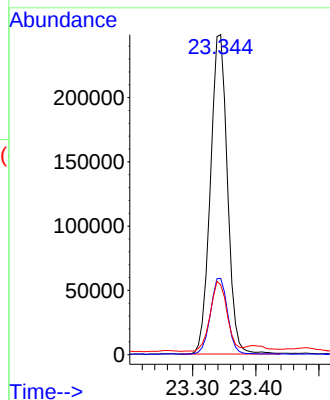
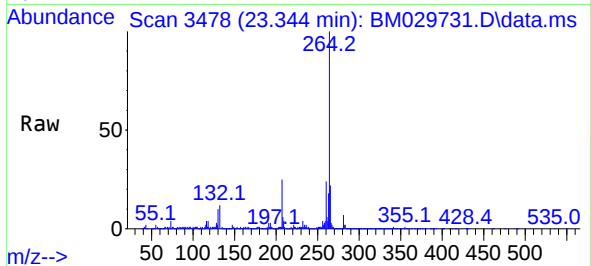
#86
Perylene-d12
Concen: 20.00 ng
RT: 23.344 min Scan# 3478
Delta R.T. -0.006 min
Lab File: BM029731.D
Acq: 30 Apr 2021 16:10

Tgt Ion:	264	Resp:	466735
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.8	29.8
265	21.8	17.7	26.5

Instrument :
BNA_M
ClientSampleId :
SB-20-14.5-15.0

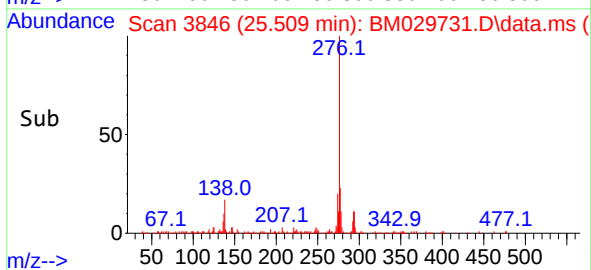
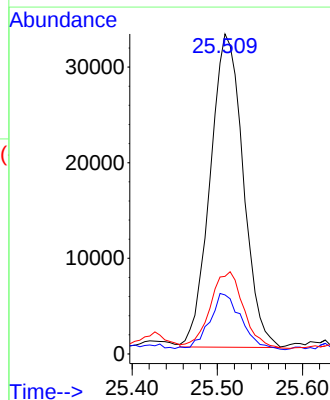
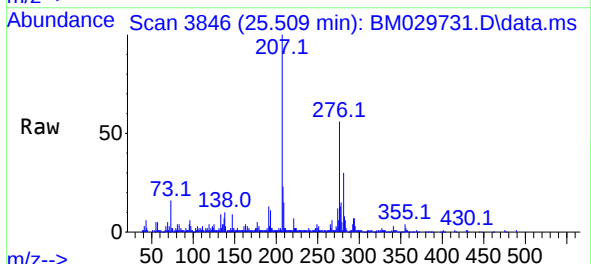
Manual Integrations
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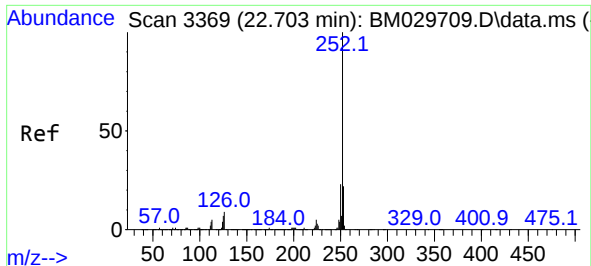
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#87
Indeno(1,2,3-cd)pyrene
Concen: 2.49 ng
RT: 25.509 min Scan# 3846
Delta R.T. -0.029 min
Lab File: BM029731.D
Acq: 30 Apr 2021 16:10

Tgt Ion:	276	Resp:	88134
Ion Ratio	Lower	Upper	
276	100		
138	17.5	17.1	25.7
277	25.0	20.3	30.5





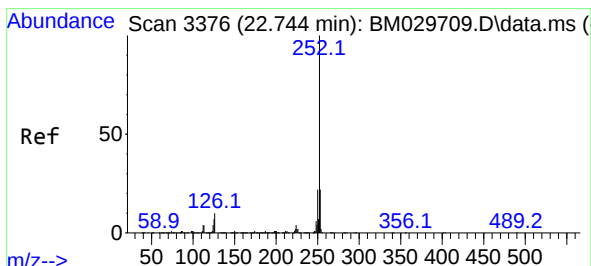
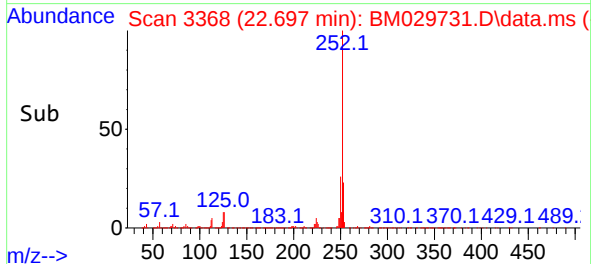
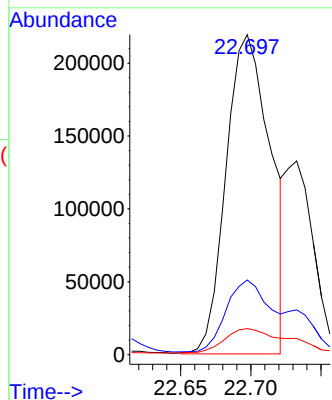
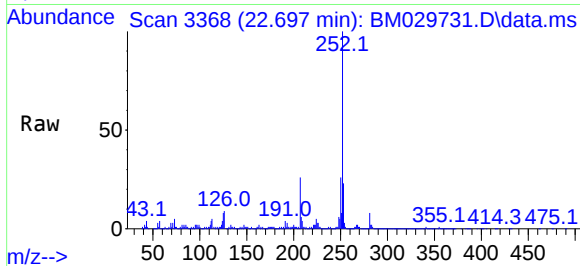
#88
Benzo(b)fluoranthene
Concen: 15.64 ng m
RT: 22.697 min Scan# 3368
Delta R.T. -0.006 min
Lab File: BM029731.D
Acq: 30 Apr 2021 16:10

Tgt Ion:252 Resp: 482660
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.0
125 8.1 6.8 10.2

Instrument :
BNA_M
ClientSampleId :
SB-20-14.5-15.0

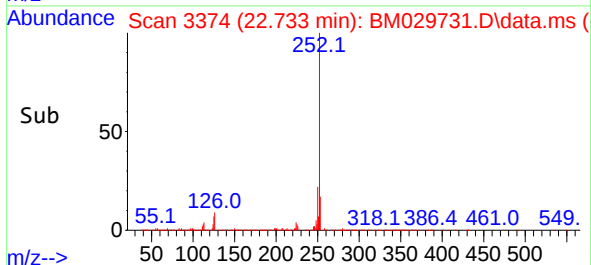
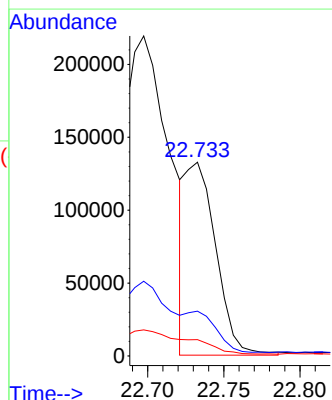
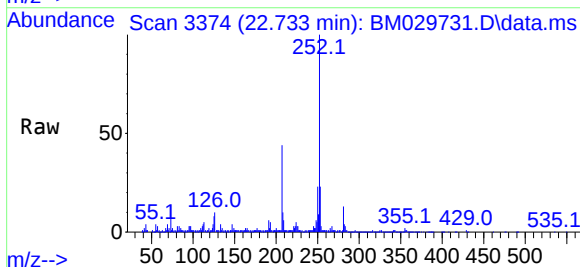
Manual Integrations
APPROVED

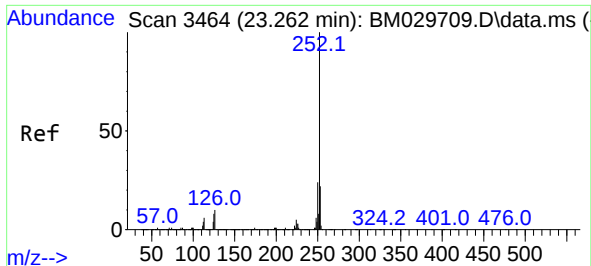
mohammad
5/3/2021 10:49:25 AM



#89
Benzo(k)fluoranthene
Concen: 6.10 ng m
RT: 22.733 min Scan# 3374
Delta R.T. -0.012 min
Lab File: BM029731.D
Acq: 30 Apr 2021 16:10

Tgt Ion:252 Resp: 182547
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.2
125 8.4 6.2 9.2





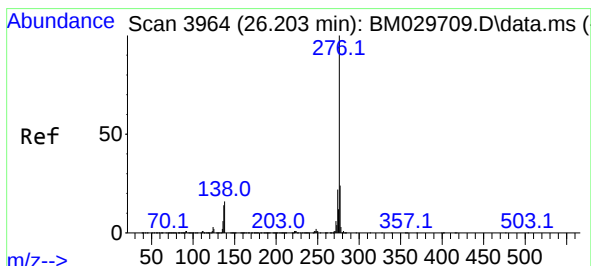
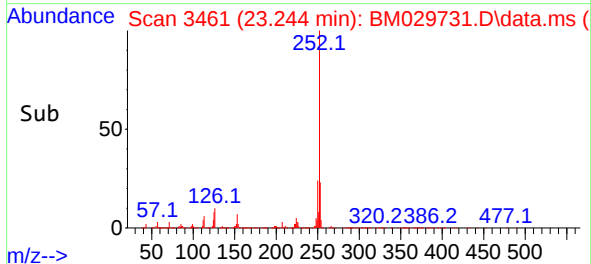
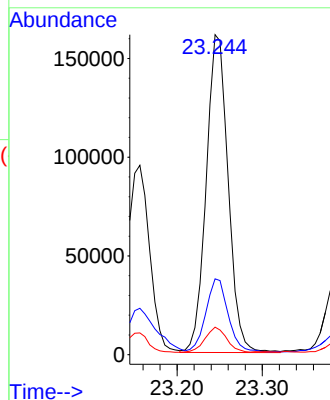
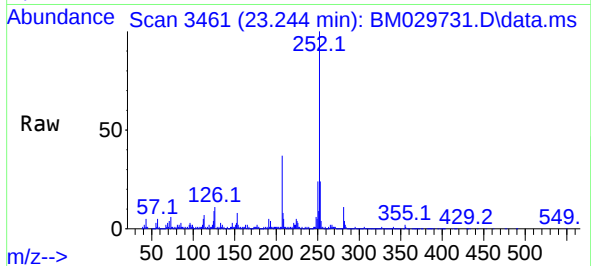
#90
Benzo(a)pyrene
Concen: 10.21 ng
RT: 23.244 min Scan# 3461
Delta R.T. -0.017 min
Lab File: BM029731.D
Acq: 30 Apr 2021 16:10

Tgt Ion:252 Resp: 288404
Ion Ratio Lower Upper
252 100
253 23.7 17.7 26.5
125 8.6 7.3 10.9

Instrument :
BNA_M
ClientSampleId :
SB-20-14.5-15.0

Manual Integrations
APPROVED

mohammad
5/3/2021 10:49:25 AM



#92
Benzo(g,h,i)perylene
Concen: 2.31 ng
RT: 26.180 min Scan# 3960
Delta R.T. -0.023 min
Lab File: BM029731.D
Acq: 30 Apr 2021 16:10

Tgt Ion:276 Resp: 66457
Ion Ratio Lower Upper
276 100
277 24.8 19.4 29.2
138 16.0 14.4 21.6

