

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM030921\
 Data File : BM029060.D
 Acq On : 09 Mar 2021 23:45
 Operator : CG/JU
 Sample : M1598-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OR-02-030821

Manual Integrations
 APPROVED

mohammad
 3/10/2021 11:53:18 AM

Quant Time: Mar 10 01:53:11 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	11530	20.00	ng	0.00
21) Naphthalene-d8	10.457	136	42583	20.00	ng	# 0.00
39) Acenaphthene-d10	14.333	164	23714	20.00	ng	0.00
64) Phenanthrene-d10	17.086	188	48288	20.00	ng	0.00
76) Chrysene-d12	21.262	240	52007	20.00	ng	# 0.00
86) Perylene-d12	23.427	264	53242	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.240	112	81195	116.72	ng	0.00
7) Phenol-d6	6.869	99	93839	102.13	ng	0.00
23) Nitrobenzene-d5	8.839	82	60974	77.25	ng	0.00
42) 2,4,6-Tribromophenol	15.839	330	30866	109.82	ng	0.00
45) 2-Fluorobiphenyl	12.945	172	125211	70.29	ng	0.00
79) Terphenyl-d14	19.709	244	179505	63.73	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.510	128	9687	4.13	ng	98
37) 2-Methylnaphthalene	12.133	142	8295	5.02	ng	97
38) 1-Methylnaphthalene	12.351	142	8834	5.65	ng	98
49) Acenaphthylene	14.057	152	20149	8.45	ng	# 96
52) Acenaphthene	14.398	154	20916	14.30	ng	93
55) Dibenzofuran	14.739	168	21980	9.57	ng	# 91
58) Fluorene	15.386	166	29960	16.28	ng	98
71) Phenanthrene	17.127	178	233940	81.36	ng	99
72) Anthracene	17.215	178	92868	32.60	ng	99
73) Carbazole	17.498	167	11961	4.38	ng	# 92
75) Fluoranthene	19.150	202	579422	183.37	ng	97
78) Pyrene	19.515	202	511223	133.81	ng	99
81) Benzo(a)anthracene	21.250	228	285533	79.11	ng	98
83) Chrysene	21.303	228	234147	66.57	ng	98
87) Indeno(1,2,3-cd)pyrene	25.597	276	154593	38.48	ng	# 95
88) Benzo(b)fluoranthene	22.791	252	333924m	88.79	ng	
89) Benzo(k)fluoranthene	22.827	252	104109m	29.14	ng	
90) Benzo(a)pyrene	23.344	252	257271	74.96	ng	# 95
91) Dibenzo(a,h)anthracene	25.591	278	40818	11.69	ng	# 78
92) Benzo(g,h,i)perylene	26.262	276	144873	42.97	ng	# 90

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

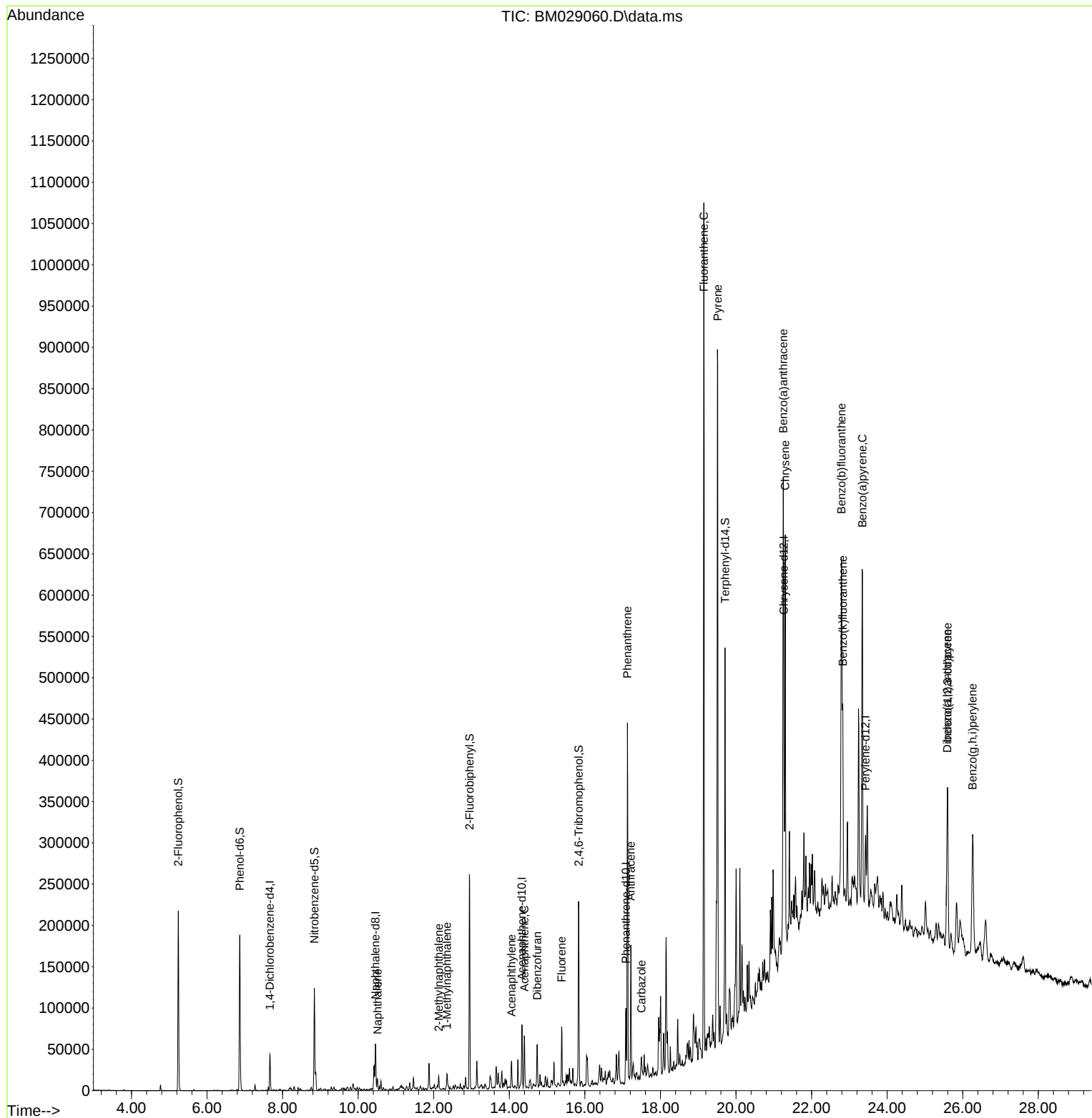
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM030921\
Data File : BM029060.D
Acq On : 09 Mar 2021 23:45
Operator : CG/JU
Sample : M1598-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

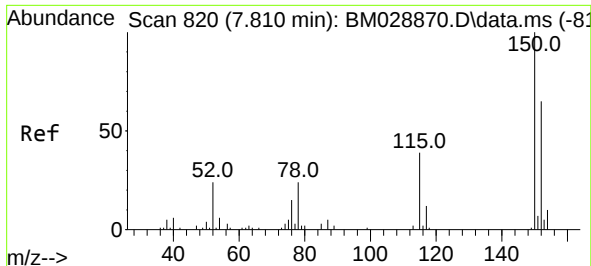
Instrument :
BNA_M
ClientSampleId :
OR-02-030821

Manual Integrations
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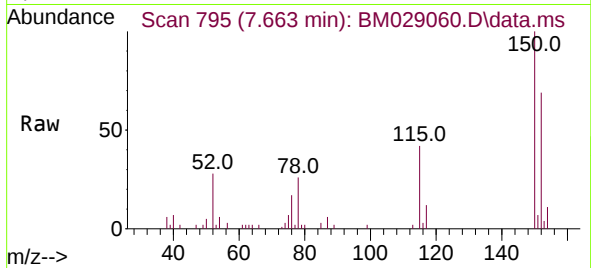
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Quant Time: Mar 10 01:53:11 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM022321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 09 10:08:02 2021
Response via : Initial Calibration

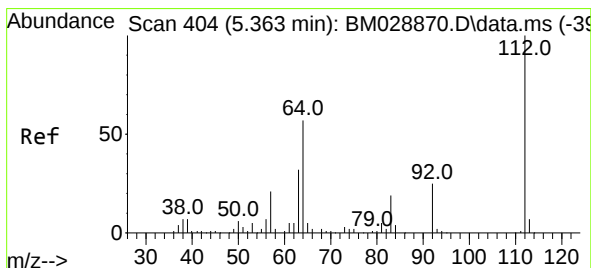
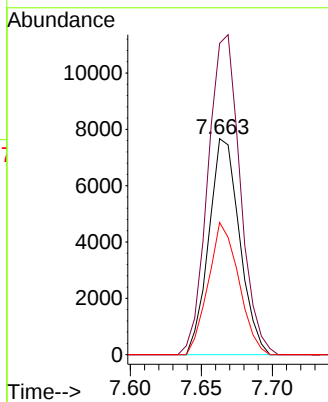
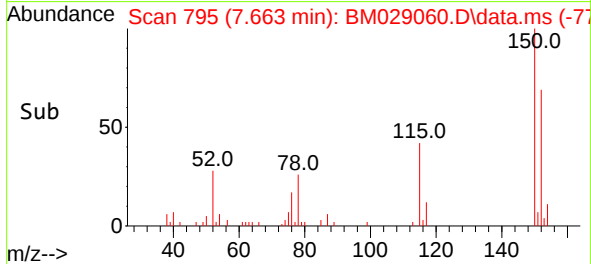




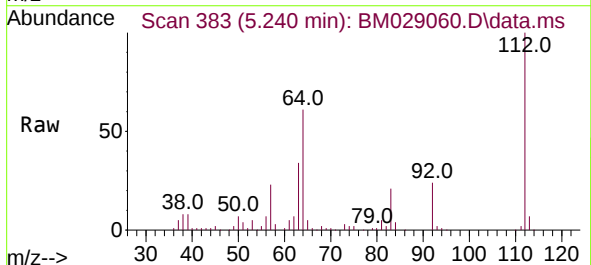
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.663 min Scan# 795
Delta R.T. -0.006 min
Lab File: BM029060.D
Acq: 09 Mar 2021 23:45



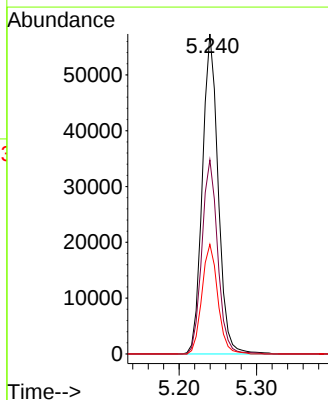
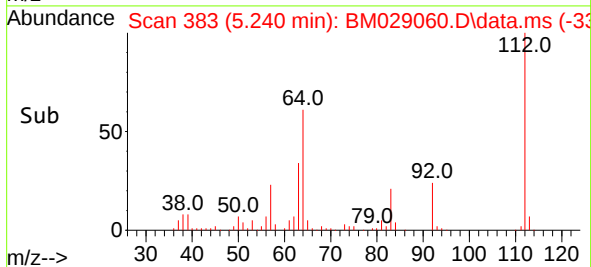
Tgt Ion:152 Resp: 11530
Ion Ratio Lower Upper
152 100
150 144.1 120.6 181.0
115 61.2 47.2 70.8



#5
2-Fluorophenol
Concen: 116.72 ng
RT: 5.240 min Scan# 383
Delta R.T. -0.006 min
Lab File: BM029060.D
Acq: 09 Mar 2021 23:45



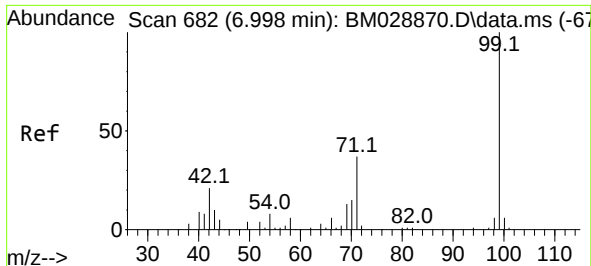
Tgt Ion:112 Resp: 81195
Ion Ratio Lower Upper
112 100
64 60.7 50.6 76.0
63 34.3 31.0 46.6



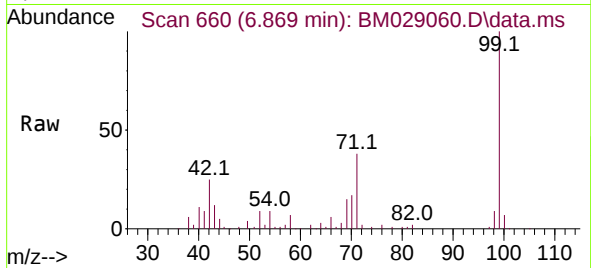
Instrument :
BNA_M
ClientSampleId :
OR-02-030821

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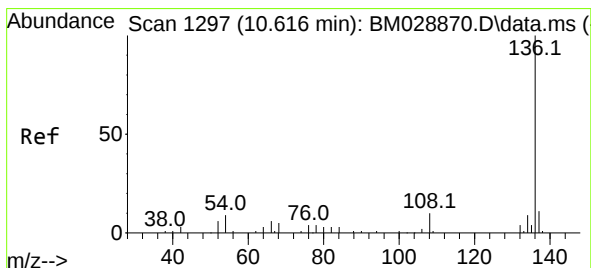
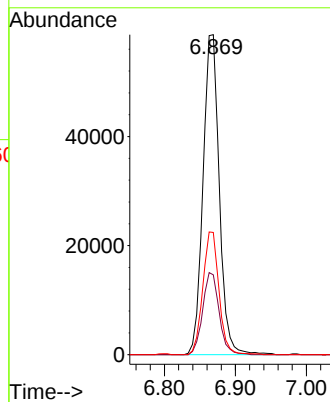
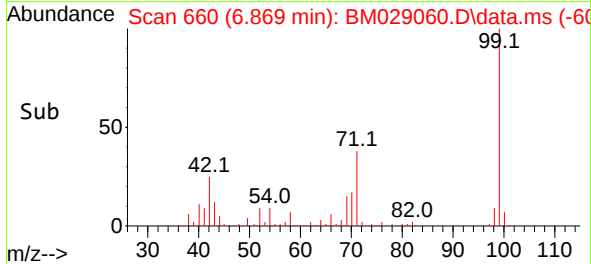
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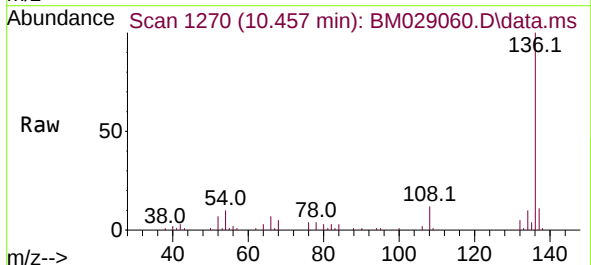
#7
Phenol-d6
Concen: 102.13 ng
RT: 6.869 min Scan# 660
Delta R.T. -0.000 min
Lab File: BM029060.D
Acq: 09 Mar 2021 23:45



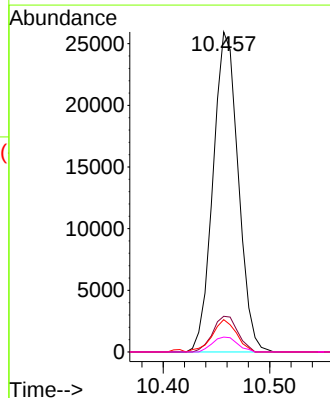
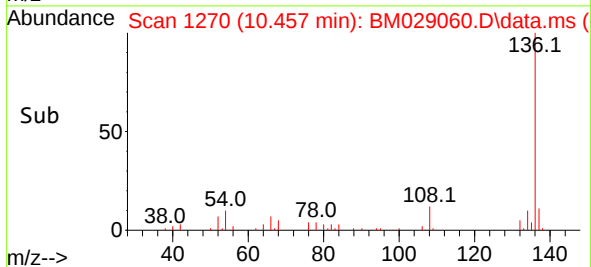
Tgt Ion: 99 Resp: 93839
Ion Ratio Lower Upper
99 100
42 25.0 13.5 20.3#
71 38.2 39.4 59.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.457 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BM029060.D
Acq: 09 Mar 2021 23:45



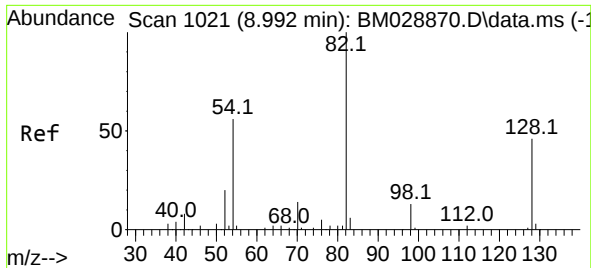
Tgt Ion: 136 Resp: 42583
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 10.1 4.6 7.0#
68 4.6 4.1 6.1



Instrument :
BNA_M
ClientSampleId :
OR-02-030821

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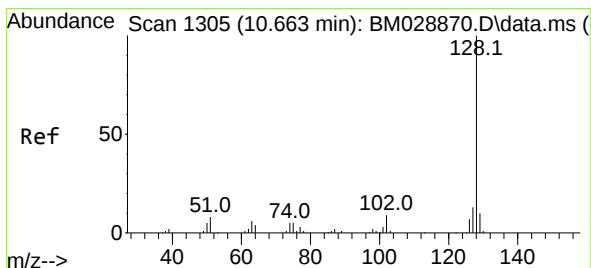
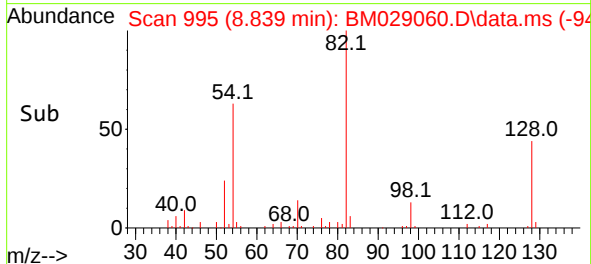
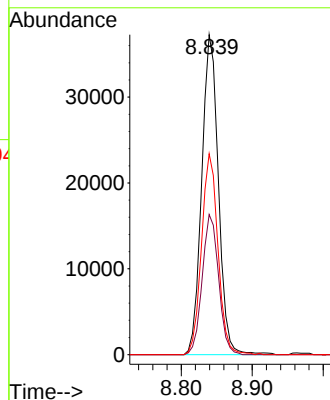
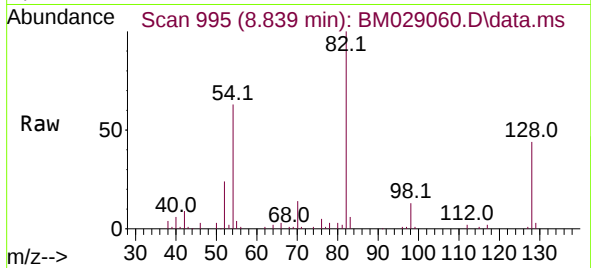
#23
Nitrobenzene-d5
Concen: 77.25 ng
RT: 8.839 min Scan# 995
Delta R.T. -0.006 min
Lab File: BM029060.D
Acq: 09 Mar 2021 23:45

Tgt Ion:	82	Resp:	60974
Ion Ratio	Lower	Upper	
82	100		
128	43.8	27.4	41.0#
54	62.8	31.4	47.0#

Instrument :
BNA_M
ClientSampleId :
OR-02-030821

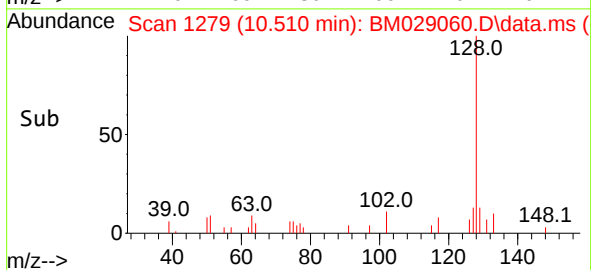
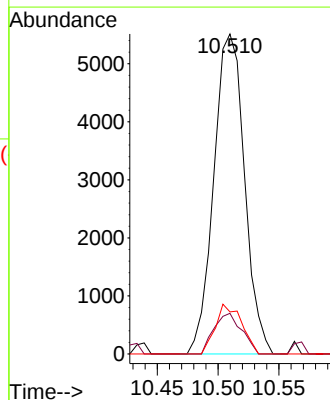
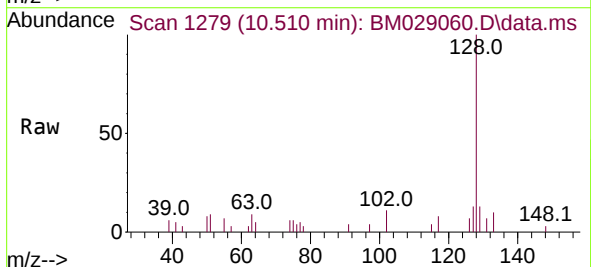
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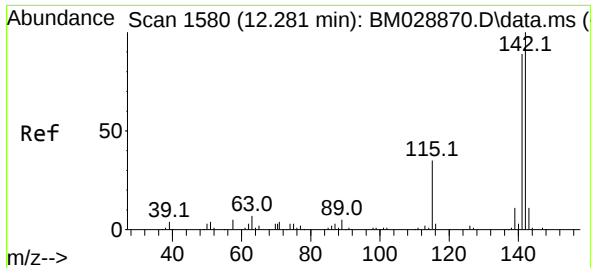
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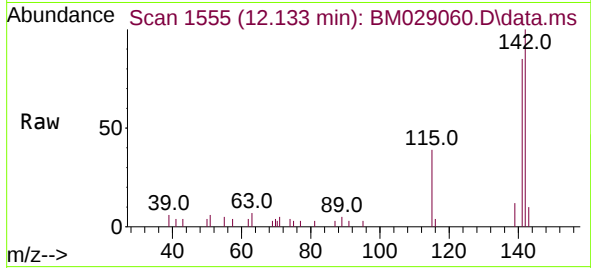
#31
Naphthalene
Concen: 4.13 ng
RT: 10.510 min Scan# 1279
Delta R.T. -0.006 min
Lab File: BM029060.D
Acq: 09 Mar 2021 23:45

Tgt Ion:	128	Resp:	9687
Ion Ratio	Lower	Upper	
128	100		
129	12.7	9.0	13.4
127	13.1	10.6	15.8





#37
2-Methylnaphthalene
Concen: 5.02 ng
RT: 12.133 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BM029060.D
Acq: 09 Mar 2021 23:45

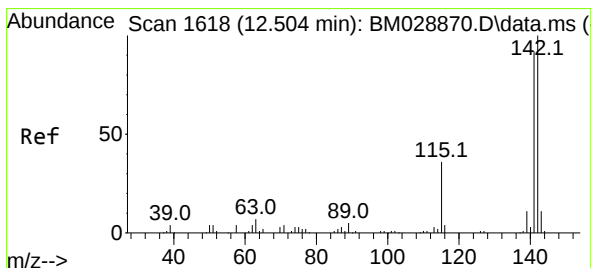
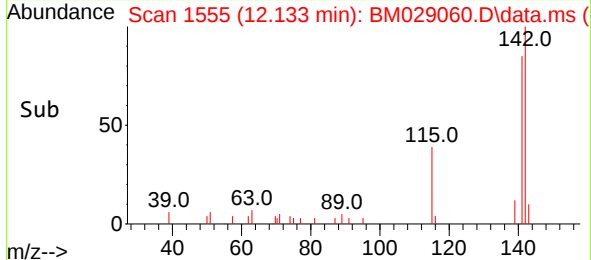
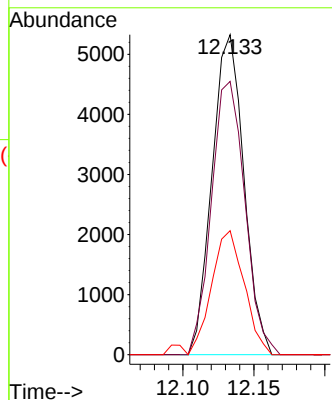


Tgt Ion:142 Resp: 8295
Ion Ratio Lower Upper
142 100
141 85.4 70.3 105.5
115 38.8 32.2 48.4

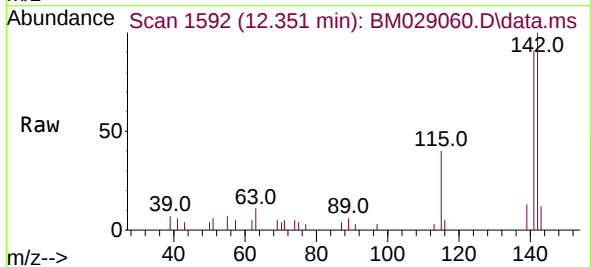
Instrument :
BNA_M
ClientSampled :
OR-02-030821

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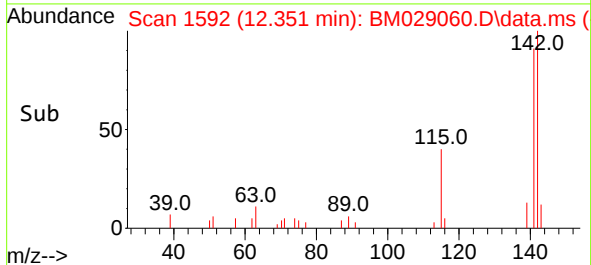
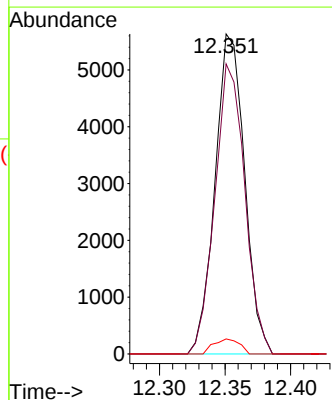
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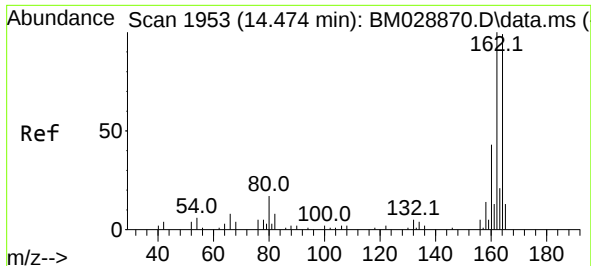


#38
1-Methylnaphthalene
Concen: 5.65 ng
RT: 12.351 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BM029060.D
Acq: 09 Mar 2021 23:45



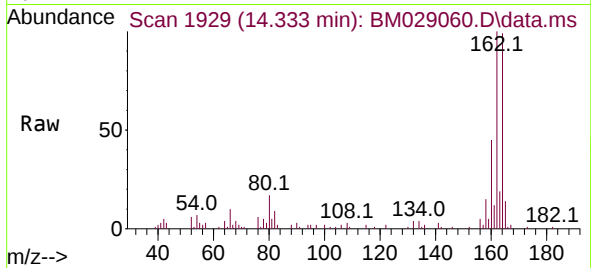
Tgt Ion:142 Resp: 8834
Ion Ratio Lower Upper
142 100
141 90.6 73.8 110.6
116 4.7 3.5 5.3





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.333 min Scan# 1929
Delta R.T. -0.006 min
Lab File: BM029060.D
Acq: 09 Mar 2021 23:45

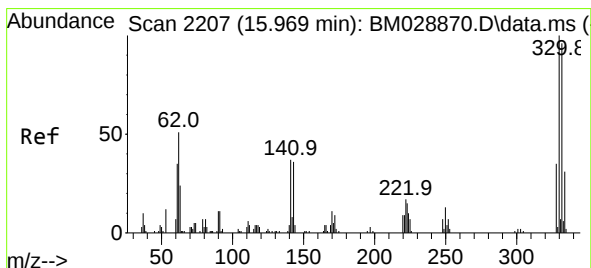
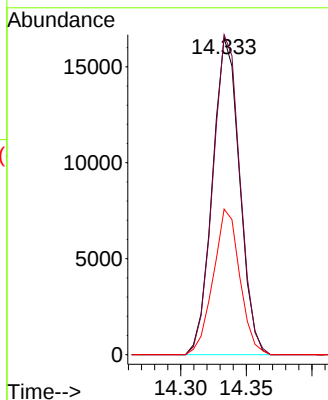
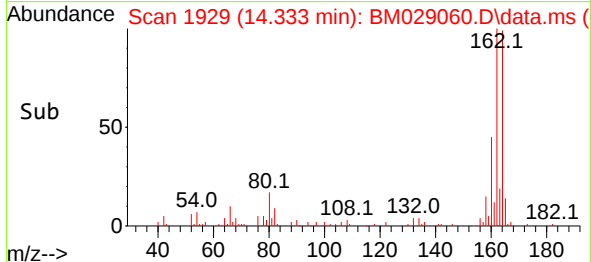
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ClientSampleId :
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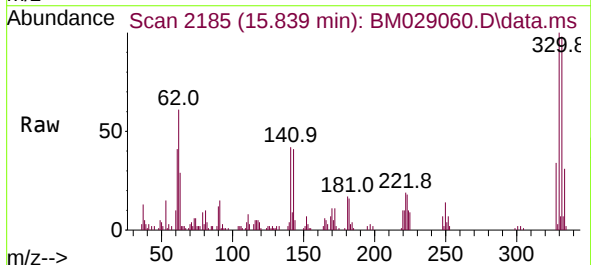
Tgt Ion:164 Resp: 23714
Ion Ratio Lower Upper
164 100
162 101.0 80.4 120.6
160 45.9 35.9 53.9

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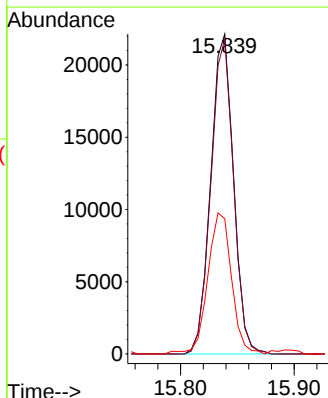
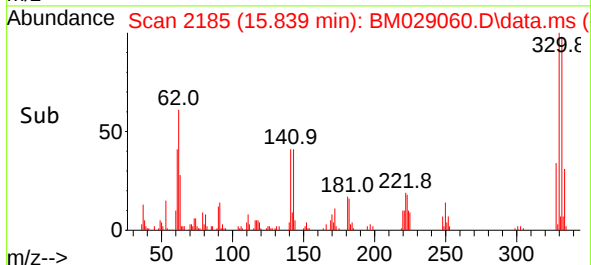
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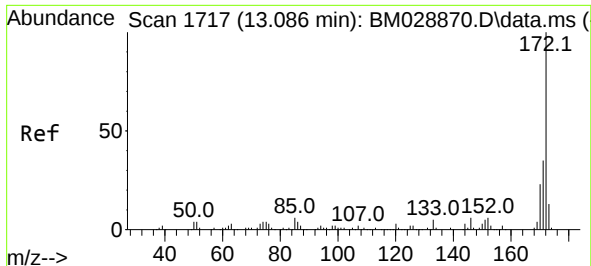


#42
2,4,6-Tribromophenol
Concen: 109.82 ng
RT: 15.839 min Scan# 2185
Delta R.T. -0.000 min
Lab File: BM029060.D
Acq: 09 Mar 2021 23:45

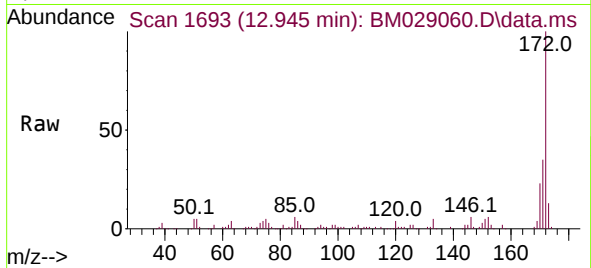


Tgt Ion:330 Resp: 30866
Ion Ratio Lower Upper
330 100
332 97.5 77.8 116.8
141 46.1 28.4 42.6#

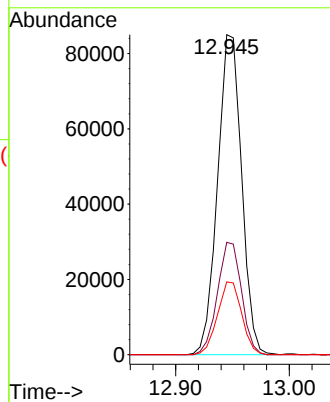
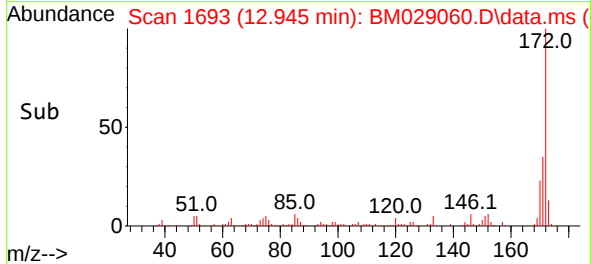




#45
2-Fluorobiphenyl
Concen: 70.29 ng
RT: 12.945 min Scan# 1693
Delta R.T. -0.006 min
Lab File: BM029060.D
Acq: 09 Mar 2021 23:45



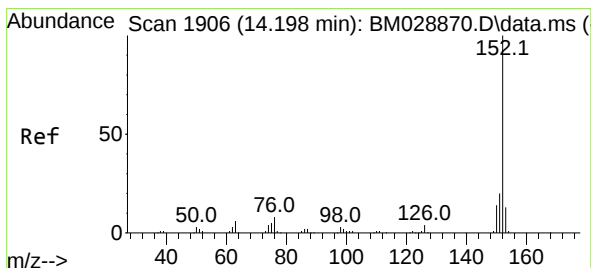
Tgt Ion:172 Resp: 125211
Ion Ratio Lower Upper
172 100
171 35.1 27.8 41.8
170 22.8 18.6 27.8



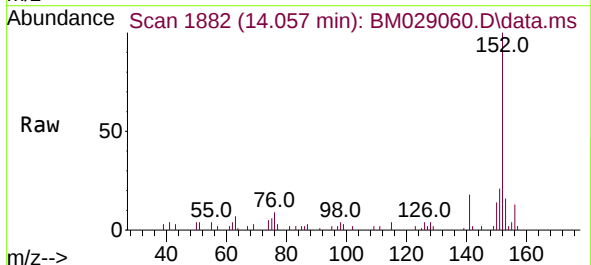
Instrument :
BNA_M
ClientSampleId :
OR-02-030821

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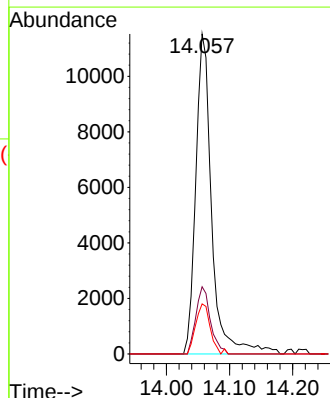
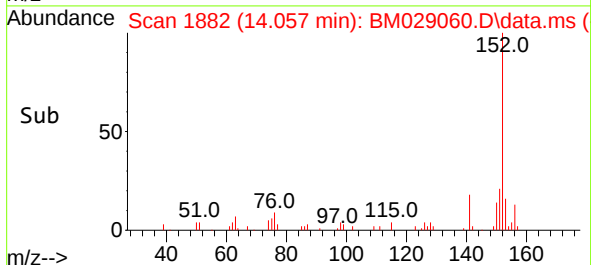
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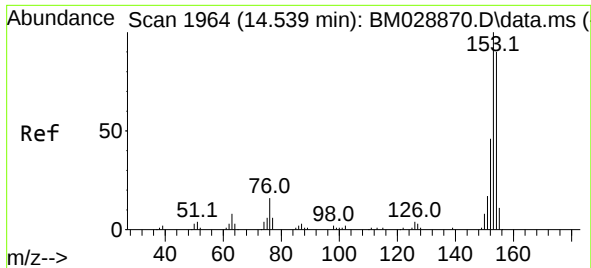


#49
Acenaphthylene
Concen: 8.45 ng
RT: 14.057 min Scan# 1882
Delta R.T. -0.000 min
Lab File: BM029060.D
Acq: 09 Mar 2021 23:45

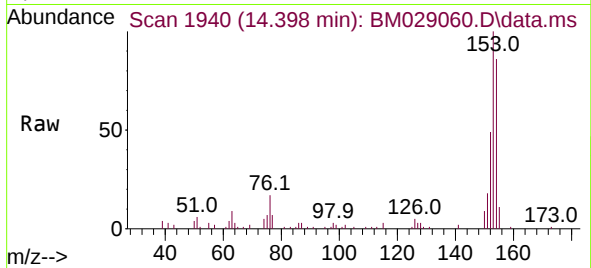


Tgt Ion:152 Resp: 20149
Ion Ratio Lower Upper
152 100
151 21.0 15.8 23.6
153 15.6 10.4 15.6#

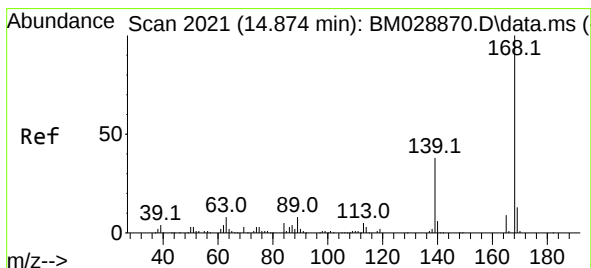
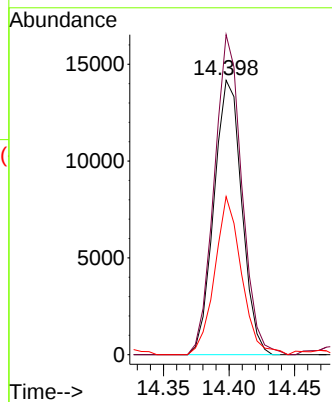
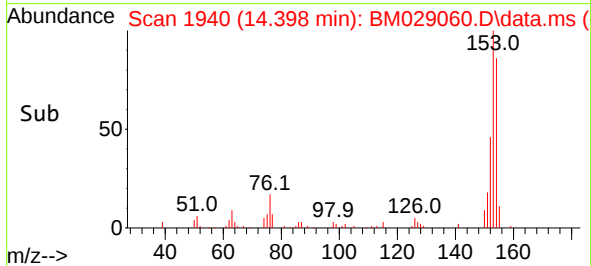




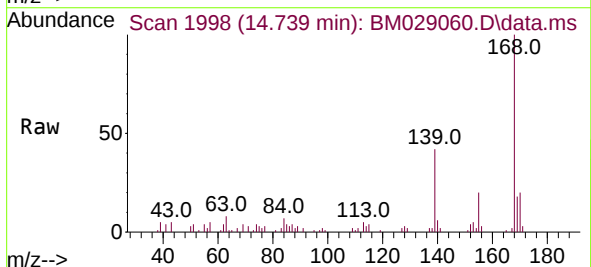
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Acenaphthene
Concen: 14.30 ng
RT: 14.398 min Scan# 1940
Delta R.T. -0.006 min
Lab File: BM029060.D
Acq: 09 Mar 2021 23:45



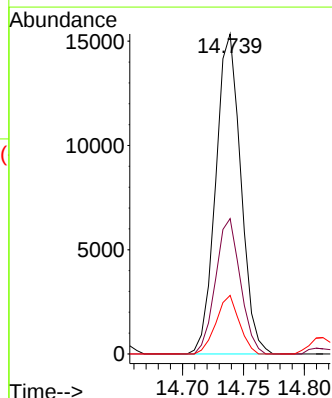
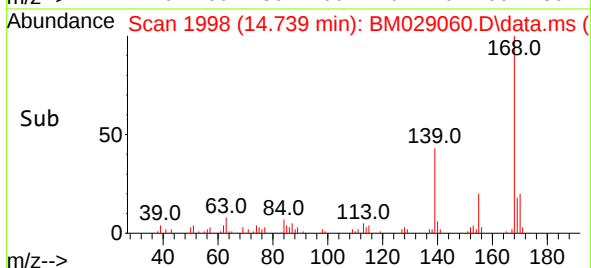
Tgt Ion:154 Resp: 20916
Ion Ratio Lower Upper
154 100
153 116.6 88.3 132.5
152 57.6 41.4 62.2



#55
Dibenzofuran
Concen: 9.57 ng
RT: 14.739 min Scan# 1998
Delta R.T. -0.000 min
Lab File: BM029060.D
Acq: 09 Mar 2021 23:45



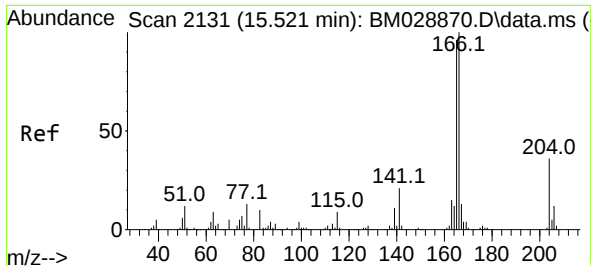
Tgt Ion:168 Resp: 21980
Ion Ratio Lower Upper
168 100
139 42.3 30.2 45.4
169 18.3 10.6 16.0#



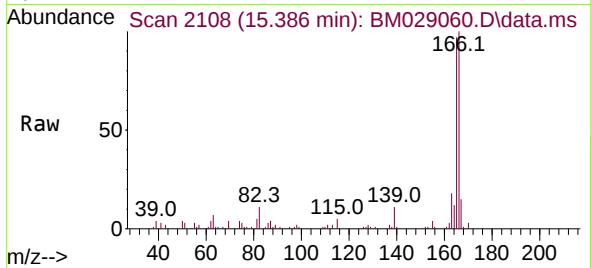
Instrument :
BNA_M
ClientSampleId :
OR-02-030821

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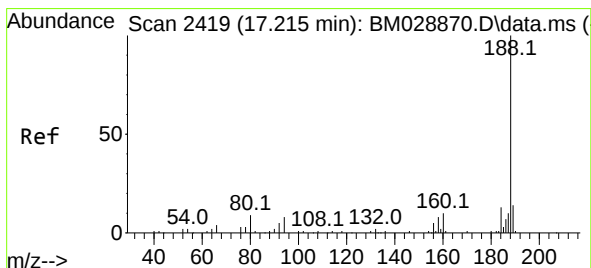
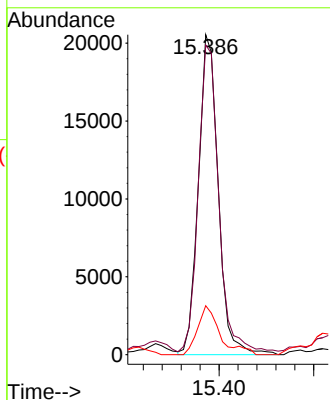
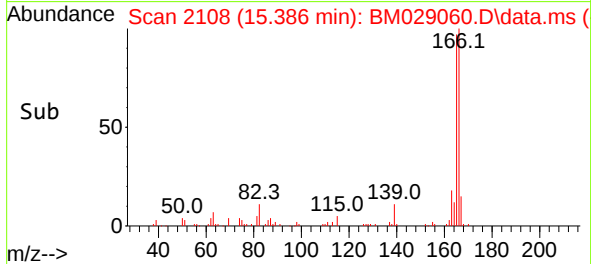
mohammad
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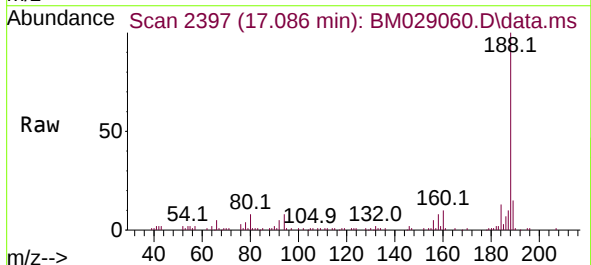
#58
Fluorene
Concen: 16.28 ng
RT: 15.386 min Scan# 2108
Delta R.T. -0.006 min
Lab File: BM029060.D
Acq: 09 Mar 2021 23:45



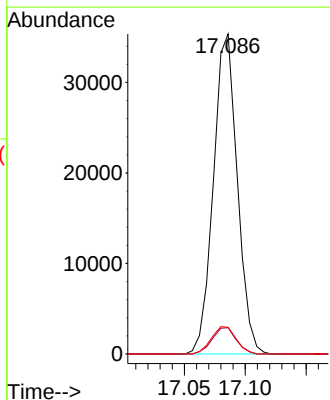
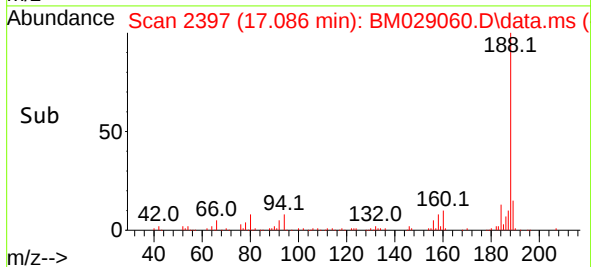
Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.8	76.2	114.2
167	15.3	10.7	16.1



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.086 min Scan# 2397
Delta R.T. -0.000 min
Lab File: BM029060.D
Acq: 09 Mar 2021 23:45



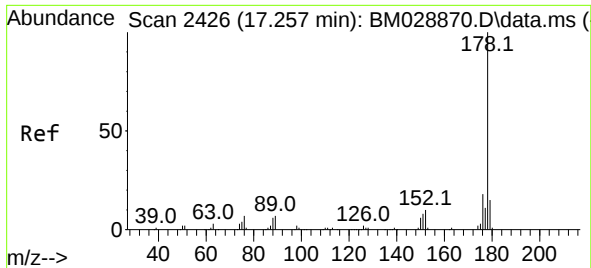
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.2	9.4
80	8.3	7.5	11.3



Instrument :
BNA_M
ClientSampleId :
OR-02-030821

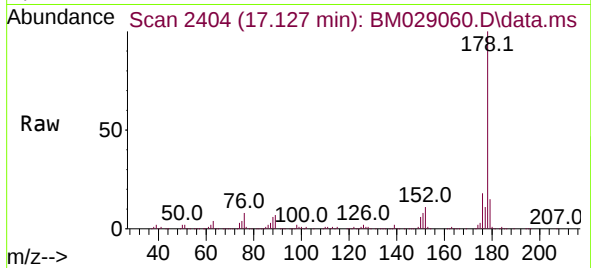
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#71
Phenanthrene
Concen: 81.36 ng
RT: 17.127 min Scan# 2404
Delta R.T. -0.000 min
Lab File: BM029060.D
Acq: 09 Mar 2021 23:45

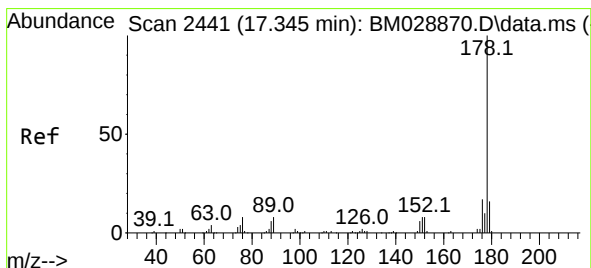
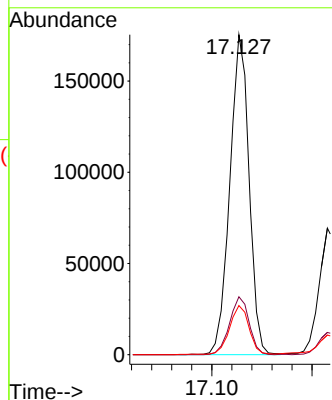
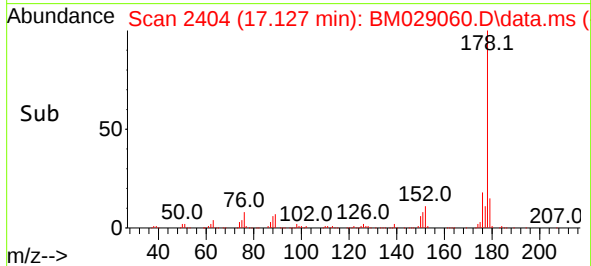
Instrument :
BNA_M
ClientSampleId :
OR-02-030821



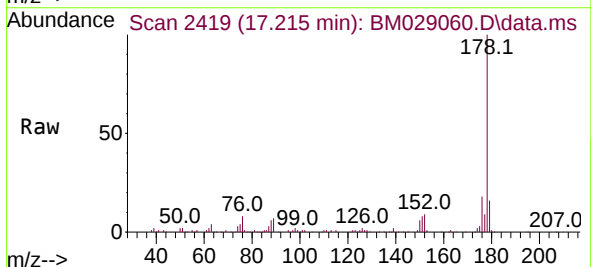
Tgt Ion:178 Resp: 233940
Ion Ratio Lower Upper
178 100
176 18.1 15.0 22.6
179 15.3 12.2 18.4

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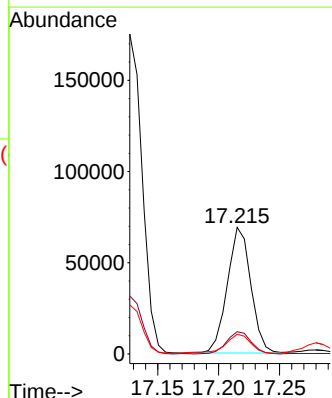
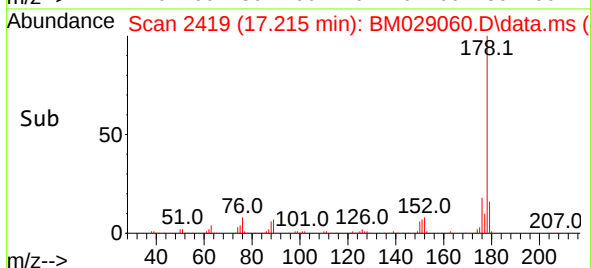
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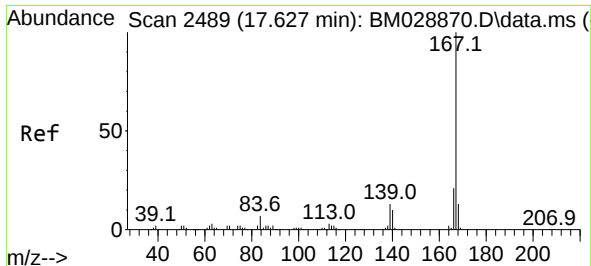


#72
Anthracene
Concen: 32.60 ng
RT: 17.215 min Scan# 2419
Delta R.T. -0.000 min
Lab File: BM029060.D
Acq: 09 Mar 2021 23:45



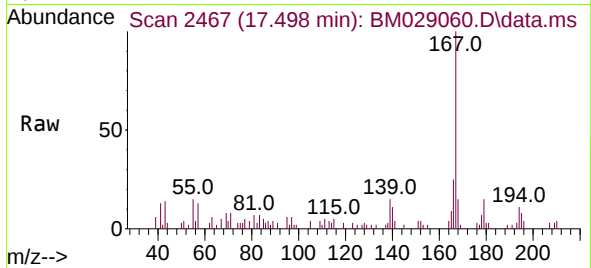
Tgt Ion:178 Resp: 92868
Ion Ratio Lower Upper
178 100
176 17.6 15.0 22.4
179 15.6 12.5 18.7





#73
 Carbazole
 Concen: 4.38 ng
 RT: 17.498 min Scan# 2467
 Delta R.T. -0.000 min
 Lab File: BM029060.D
 Acq: 09 Mar 2021 23:45

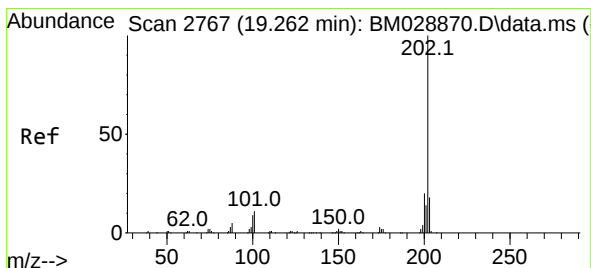
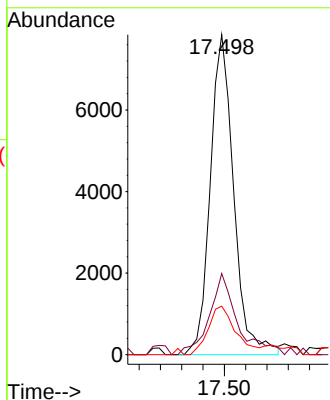
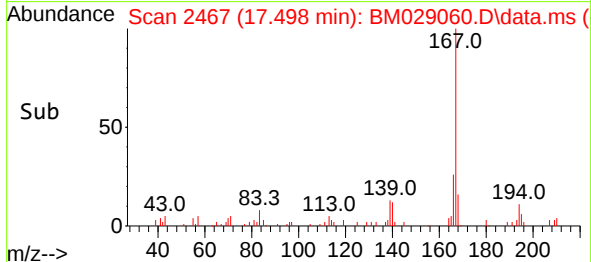
Instrument :
 BNA_M
 ClientSampleId :
 OR-02-030821



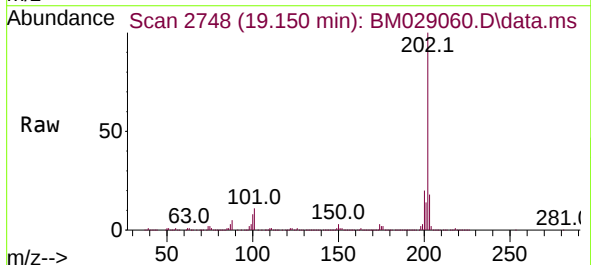
Tgt Ion:167 Resp: 11961
 Ion Ratio Lower Upper
 167 100
 166 25.4 16.9 25.3#
 139 15.1 9.9 14.9#

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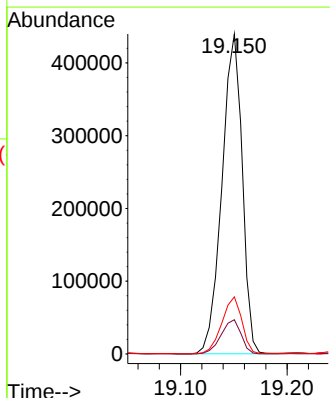
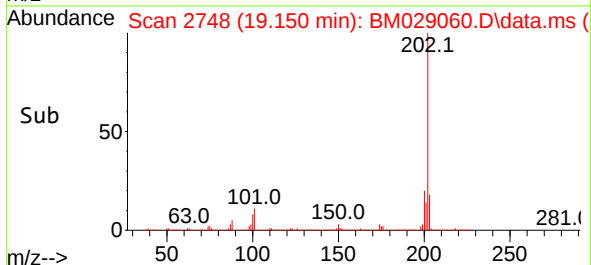
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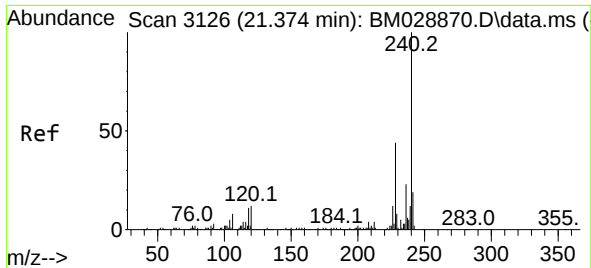


#75
 Fluoranthene
 Concen: 183.37 ng
 RT: 19.150 min Scan# 2748
 Delta R.T. 0.006 min
 Lab File: BM029060.D
 Acq: 09 Mar 2021 23:45



Tgt Ion:202 Resp: 579422
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 28.5
 203 17.9 0.0 37.3





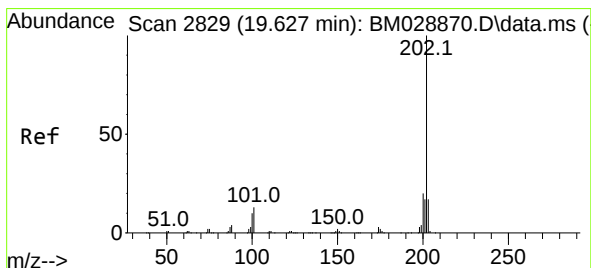
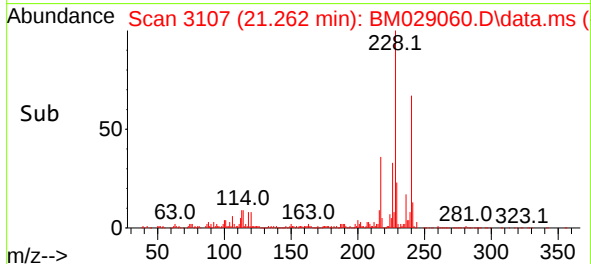
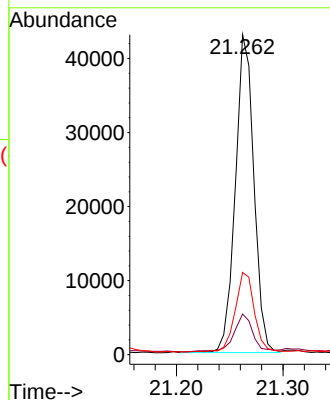
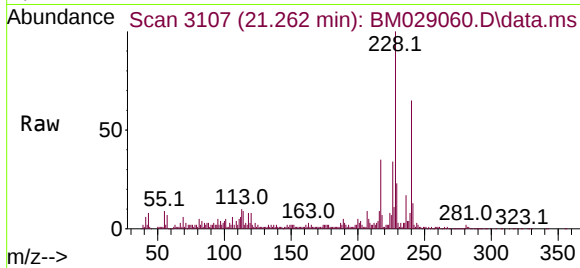
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.262 min Scan# 3107
Delta R.T. -0.000 min
Lab File: BM029060.D
Acq: 09 Mar 2021 23:45

Tgt Ion:240 Resp: 52007
Ion Ratio Lower Upper
240 100
120 12.7 6.4 9.6#
236 25.7 20.1 30.1

Instrument :
BNA_M
ClientSampleId :
OR-02-030821

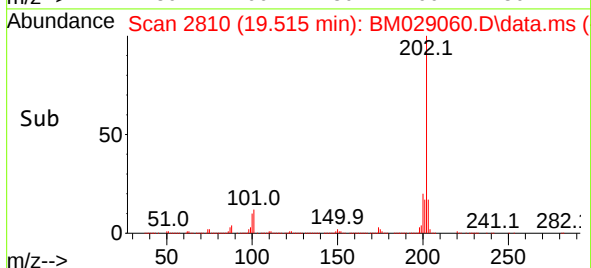
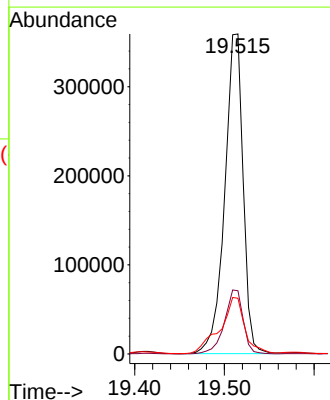
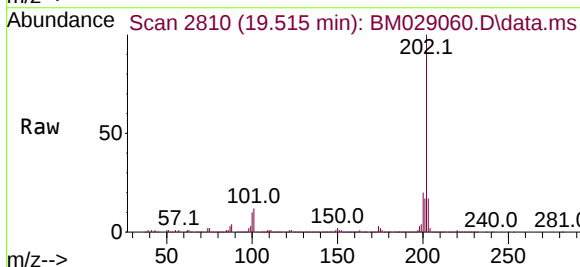
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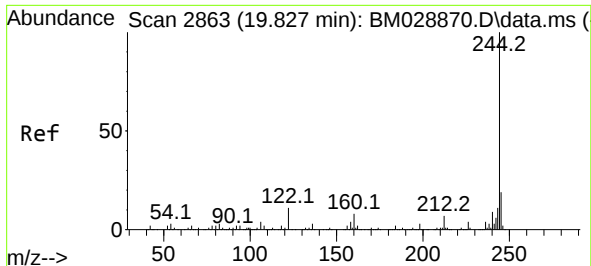
mohammad
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#78
Pyrene
Concen: 133.81 ng
RT: 19.515 min Scan# 2810
Delta R.T. 0.012 min
Lab File: BM029060.D
Acq: 09 Mar 2021 23:45

Tgt Ion:202 Resp: 511223
Ion Ratio Lower Upper
202 100
200 19.8 16.6 24.8
203 17.4 13.8 20.6





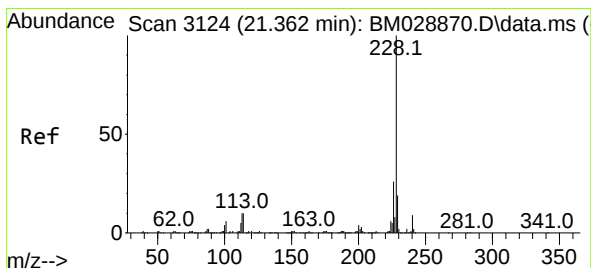
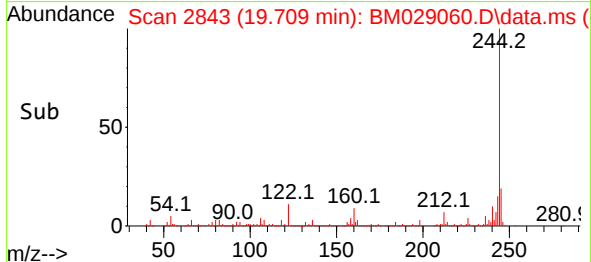
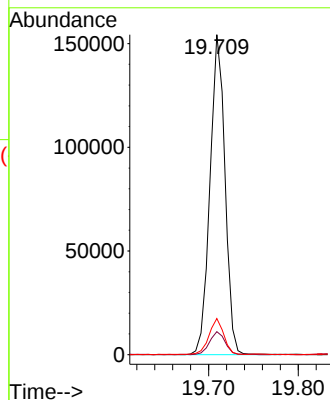
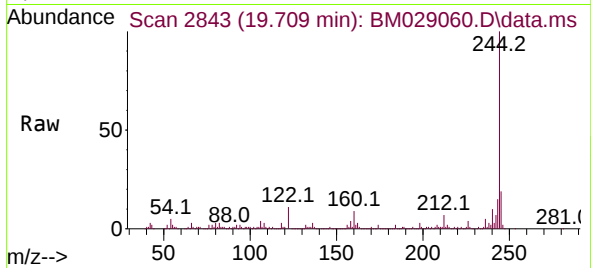
#79
 Terphenyl-d14
 Concen: 63.73 ng
 RT: 19.709 min Scan# 2843
 Delta R.T. -0.000 min
 Lab File: BM029060.D
 Acq: 09 Mar 2021 23:45

Tgt Ion:244 Resp: 179505
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 11.3 6.5 9.7#

Instrument :
 BNA_M
 ClientSampleId :
 OR-02-030821

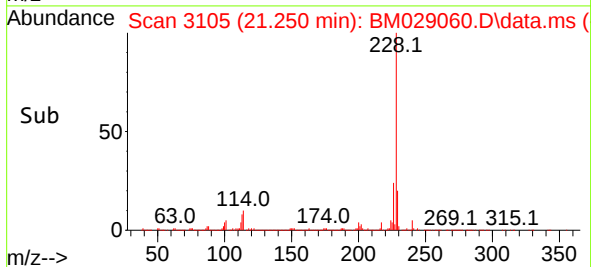
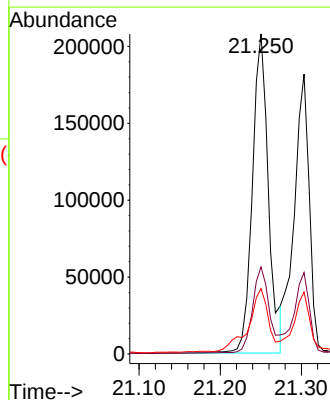
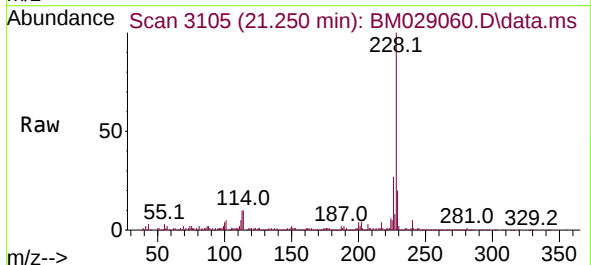
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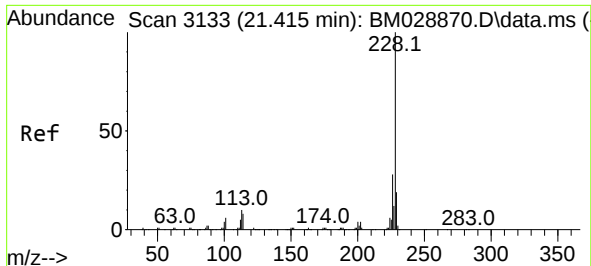
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#81
 Benzo(a)anthracene
 Concen: 79.11 ng
 RT: 21.250 min Scan# 3105
 Delta R.T. 0.006 min
 Lab File: BM029060.D
 Acq: 09 Mar 2021 23:45

Tgt Ion:228 Resp: 285533
 Ion Ratio Lower Upper
 228 100
 226 27.2 21.1 31.7
 229 20.5 15.7 23.5





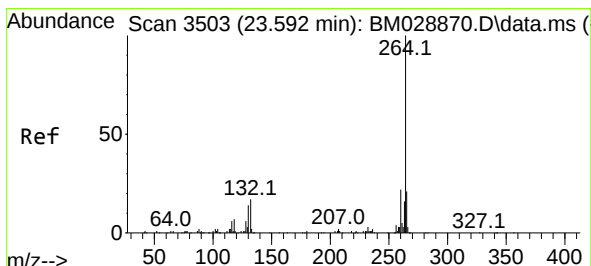
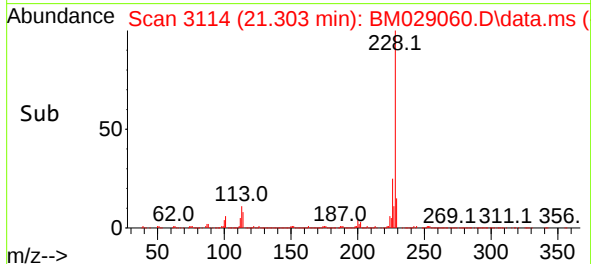
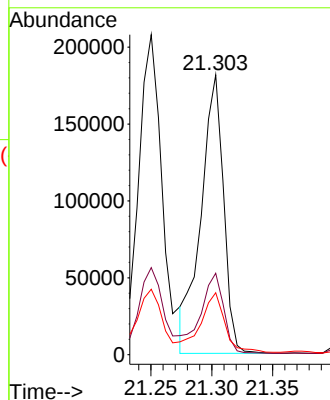
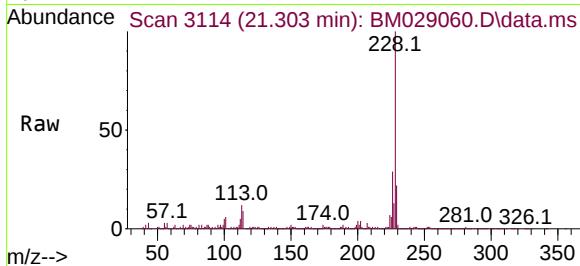
#83
Chrysene
Concen: 66.57 ng
RT: 21.303 min Scan# 3114
Delta R.T. 0.006 min
Lab File: BM029060.D
Acq: 09 Mar 2021 23:45

Tgt Ion:228 Resp: 234147
Ion Ratio Lower Upper
228 100
226 29.1 23.4 35.0
229 22.1 15.7 23.5

Instrument :
BNA_M
ClientSampleId :
OR-02-030821

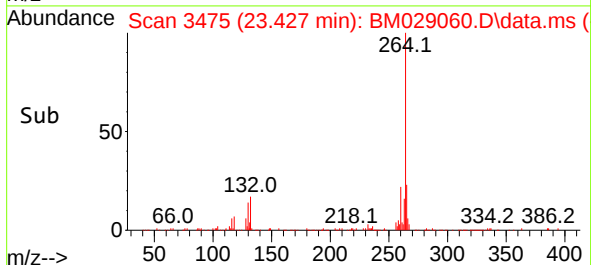
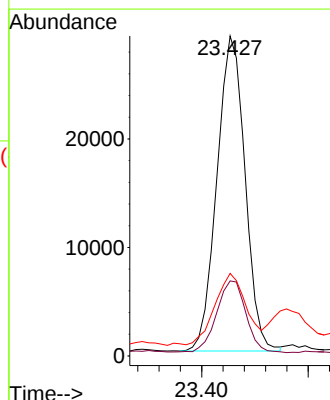
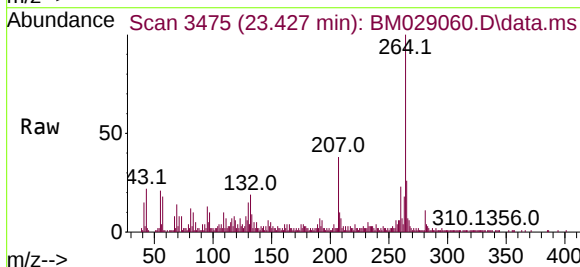
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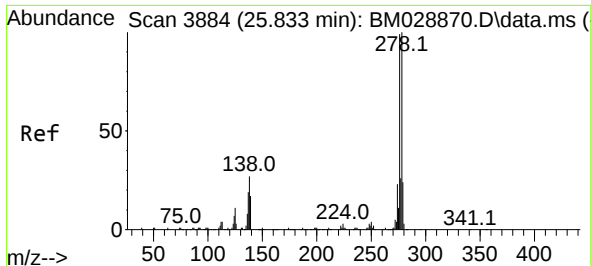
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#86
Perylene-d12
Concen: 20.00 ng
RT: 23.427 min Scan# 3475
Delta R.T. 0.006 min
Lab File: BM029060.D
Acq: 09 Mar 2021 23:45

Tgt Ion:264 Resp: 53242
Ion Ratio Lower Upper
264 100
260 23.4 19.0 28.4
265 25.8 17.7 26.5





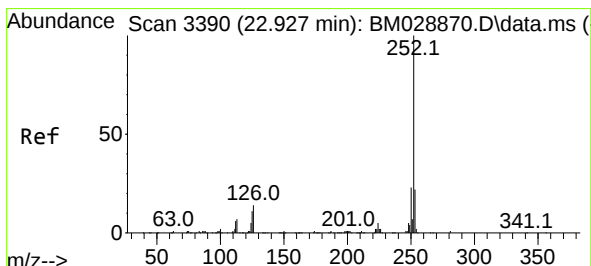
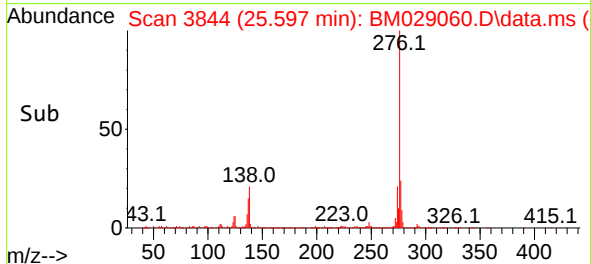
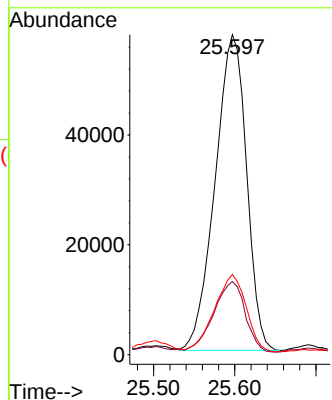
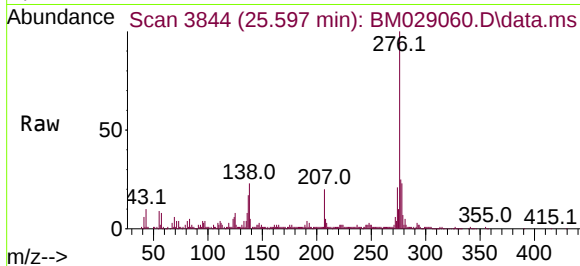
#87
Indeno(1,2,3-cd)pyrene
Concen: 38.48 ng
RT: 25.597 min Scan# 3844
Delta R.T. 0.012 min
Lab File: BM029060.D
Acq: 09 Mar 2021 23:45

Tgt Ion: 276 Resp: 154593
Ion Ratio Lower Upper
276 100
138 22.5 14.2 21.4#
277 24.7 19.8 29.8

Instrument :
BNA_M
ClientSampleId :
OR-02-030821

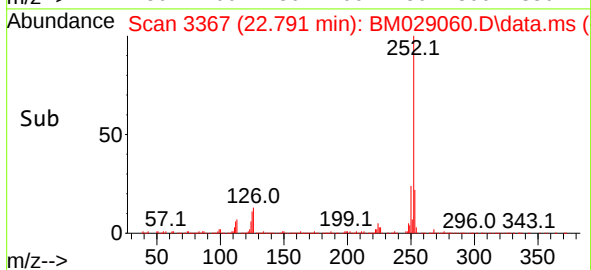
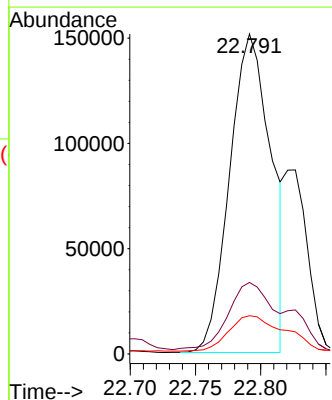
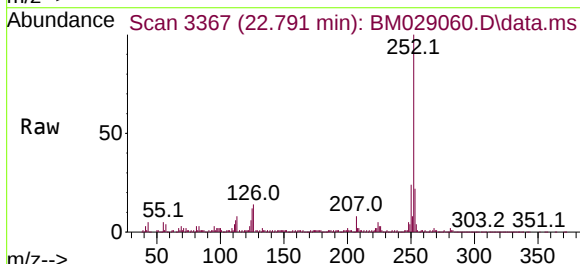
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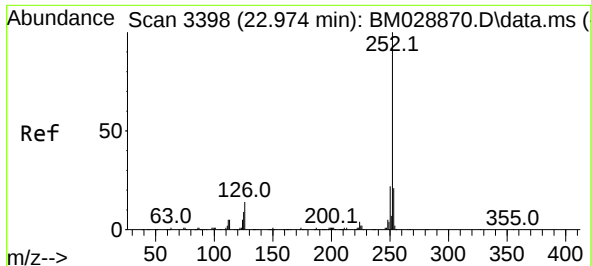
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#88
Benzo(b)fluoranthene
Concen: 88.79 ng m
RT: 22.791 min Scan# 3367
Delta R.T. 0.012 min
Lab File: BM029060.D
Acq: 09 Mar 2021 23:45

Tgt Ion: 252 Resp: 333924
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.0
125 11.9 5.7 8.5#





#89

Benzo(k)fluoranthene

Concen: 29.14 ng m

RT: 22.827 min Scan# 3373

Delta R.T. 0.006 min

Lab File: BM029060.D

Acq: 09 Mar 2021 23:45

Tgt Ion:252 Resp: 104109

Ion Ratio Lower Upper

252 100

253 23.9 17.4 26.0

125 12.0 5.6 8.4#

Instrument :

BNA_M

ClientSampleId :

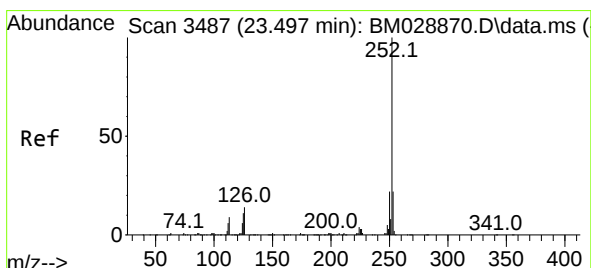
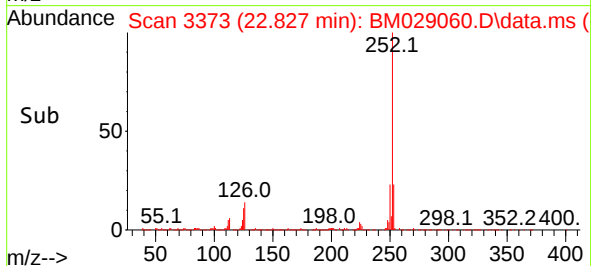
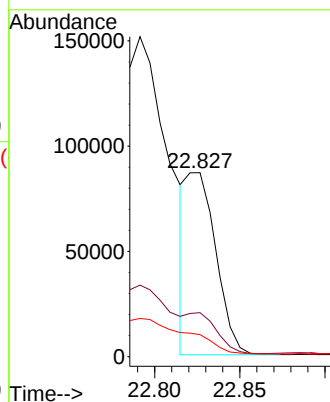
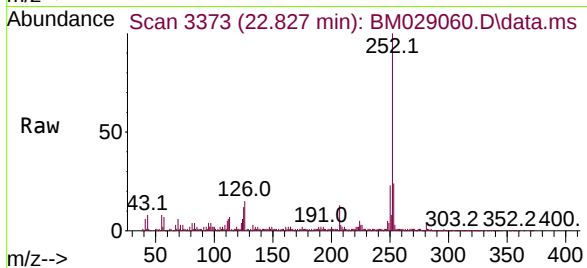
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#90

Benzo(a)pyrene

Concen: 74.96 ng

RT: 23.344 min Scan# 3461

Delta R.T. 0.012 min

Lab File: BM029060.D

Acq: 09 Mar 2021 23:45

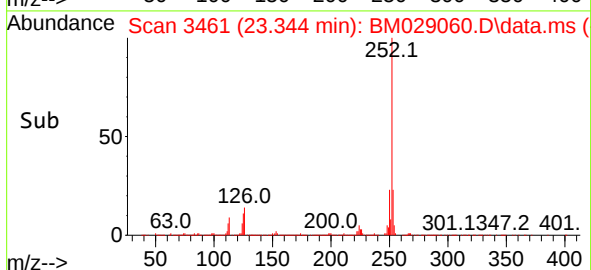
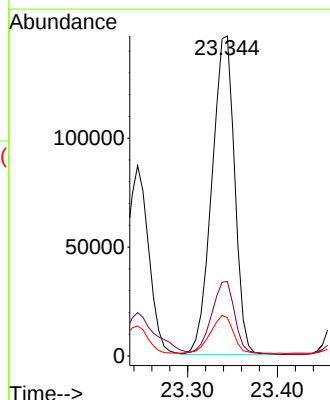
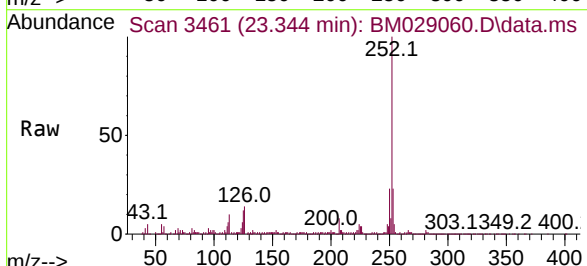
Tgt Ion:252 Resp: 257271

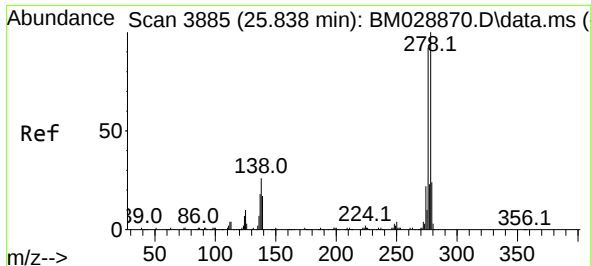
Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.2

125 12.0 6.6 9.8#





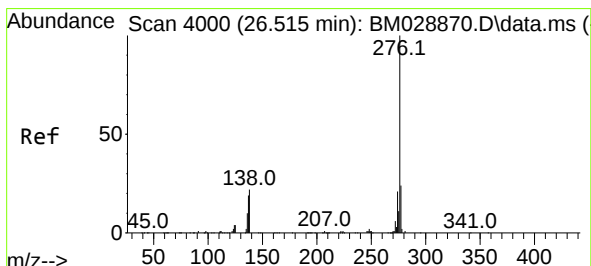
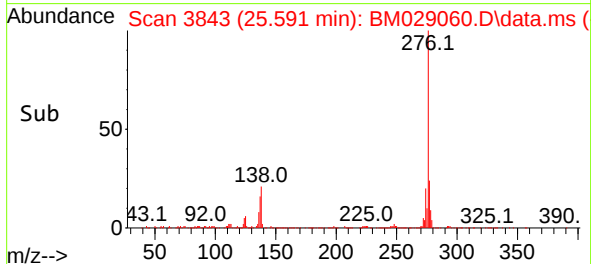
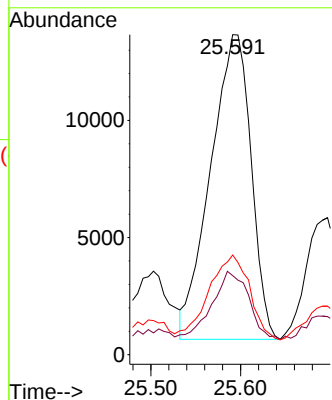
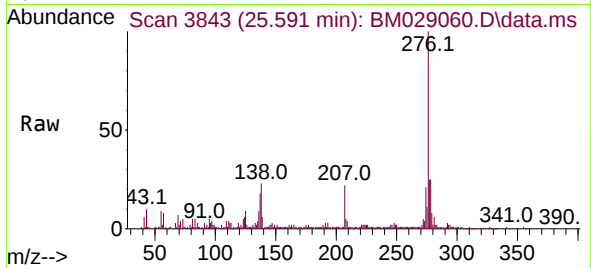
#91
Dibenzo(a,h)anthracene
Concen: 11.69 ng
RT: 25.591 min Scan# 3843
Delta R.T. 0.006 min
Lab File: BM029060.D
Acq: 09 Mar 2021 23:45

Tgt Ion:278 Resp: 40818
Ion Ratio Lower Upper
278 100
139 24.7 9.0 13.6#
279 31.2 19.0 28.4#

Instrument :
BNA_M
ClientSampleId :
OR-02-030821

Manual Integrations
APPROVED

mohammad
3/10/2021 11:53:18 AM



#92
Benzo(g,h,i)perylene
Concen: 42.97 ng
RT: 26.262 min Scan# 3957
Delta R.T. 0.023 min
Lab File: BM029060.D
Acq: 09 Mar 2021 23:45

Tgt Ion:276 Resp: 144873
Ion Ratio Lower Upper
276 100
277 24.8 18.6 28.0
138 23.4 12.2 18.2#

