

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121720\
 Data File : BM028151.D
 Acq On : 17 Dec 2020 21:10
 Operator : JU/CG
 Sample : L5036-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-9

Manual Integrations
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mohammad
 12/18/2020 10:28:23 AM

Quant Time: Dec 18 00:22:02 2020
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 16 01:58:38 2020
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.210	152	164895	20.00	ng	0.00
21) Naphthalene-d8	11.039	136	693868	20.00	ng	# 0.00
39) Acenaphthene-d10	14.833	164	409831	20.00	ng	-0.01
64) Phenanthrene-d10	17.557	188	887567	20.00	ng	# 0.00
76) Chrysene-d12	21.668	240	683098	20.00	ng	# 0.00
86) Perylene-d12	24.038	264	638662	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.710	112	960006	95.94	ng	0.00
7) Phenol-d6	7.351	99	1284686	89.91	ng	0.00
23) Nitrobenzene-d5	9.386	82	817589	58.47	ng	-0.01
42) 2,4,6-Tribromophenol	16.310	330	510291	93.80	ng	0.00
45) 2-Fluorobiphenyl	13.469	172	1824700	57.88	ng	0.00
79) Terphenyl-d14	20.127	244	2381400	63.26	ng	0.00
Target Compounds						Qvalue
10) Phenol	7.375	94	45615	3.36	ng	91
49) Acenaphthylene	14.563	152	87966	2.12	ng	99
50) Dimethylphthalate	14.280	163	217094	6.38	ng	99
71) Phenanthrene	17.598	178	1310690	24.32	ng	99
72) Anthracene	17.686	178	328134	6.30	ng	99
75) Fluoranthene	19.586	202	2940730	48.72	ng	96
78) Pyrene	19.945	202	2647023	53.52	ng	99
81) Benzo(a)anthracene	21.656	228	1354344	29.10	ng	98
83) Chrysene	21.709	228	1256538m	27.89	ng	
87) Indeno(1,2,3-cd)pyrene	26.479	276	752954	17.73	ng	# 93
88) Benzo(b)fluoranthene	23.327	252	1614278m	37.10	ng	
89) Benzo(k)fluoranthene	23.362	252	466360m	11.03	ng	
90) Benzo(a)pyrene	23.938	252	1088385	27.87	ng	# 94
91) Dibenzo(a,h)anthracene	26.479	278	205130	5.79	ng	# 86
92) Benzo(g,h,i)perylene	27.226	276	712501	21.05	ng	# 89

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

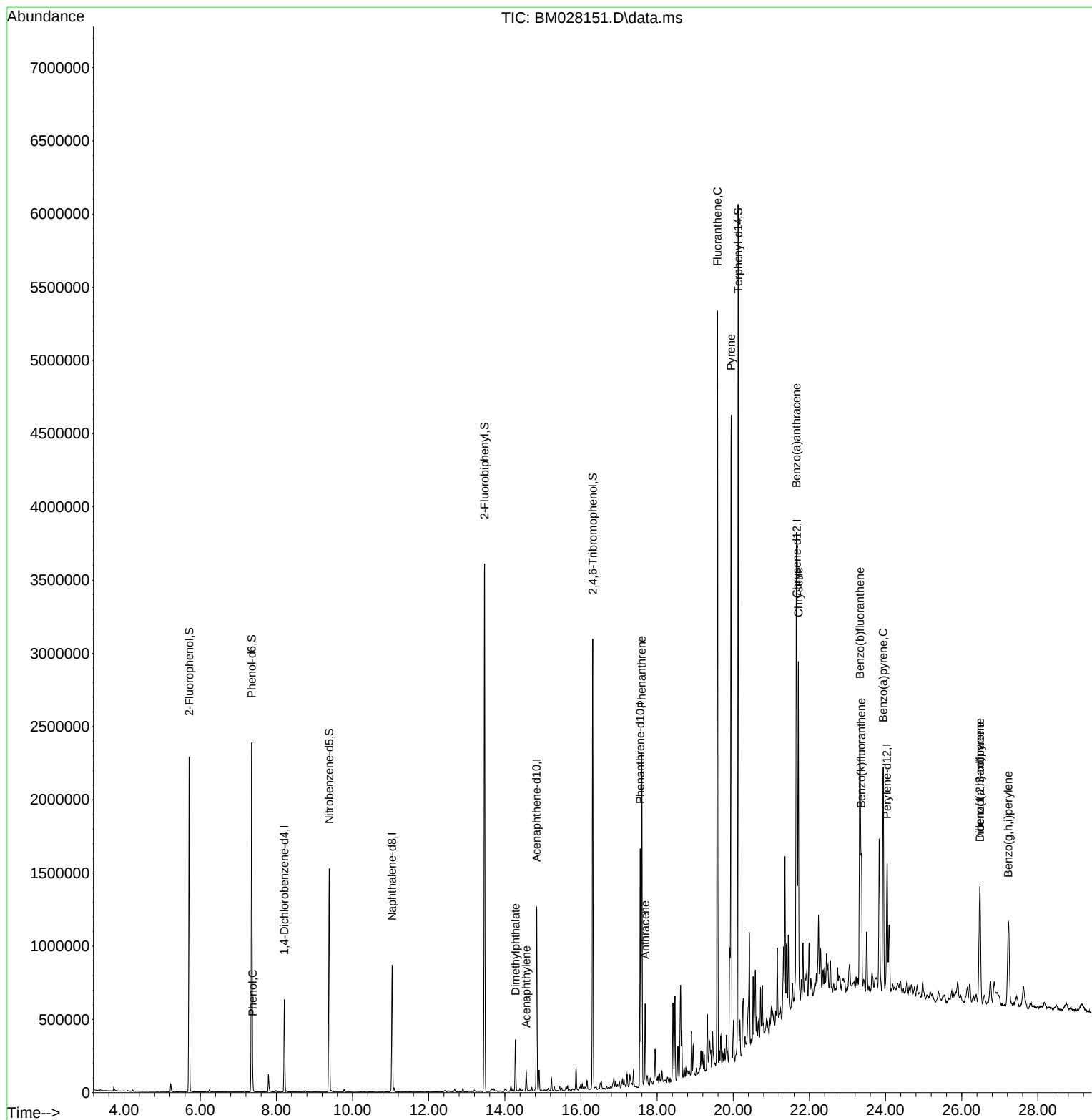
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121720\
Data File : BM028151.D
Acq On : 17 Dec 2020 21:10
Operator : JU/CG
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Misc :
ALS Vial : 14 Sample Multiplier: 1

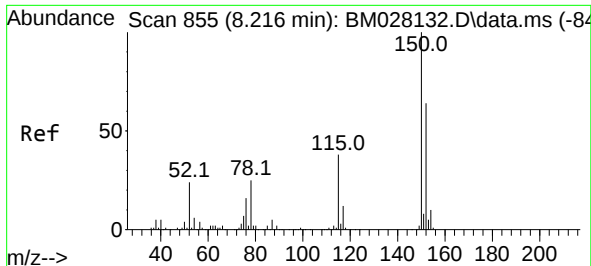
Instrument :
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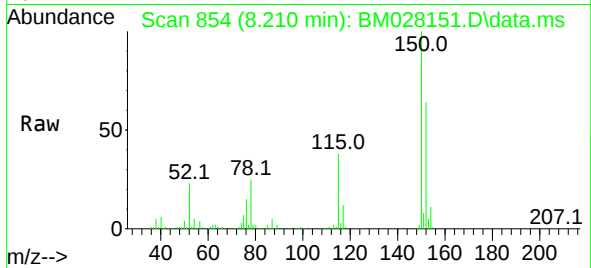
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Quant Time: Dec 18 00:22:02 2020
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 16 01:58:38 2020
Response via : Initial Calibration

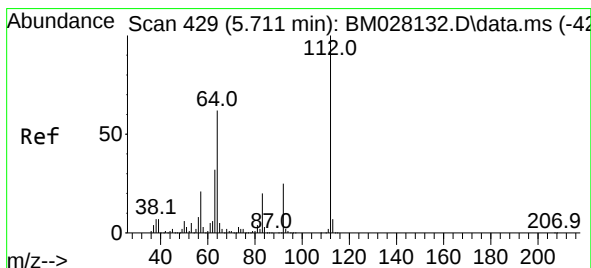
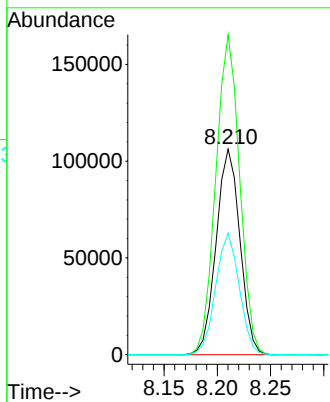
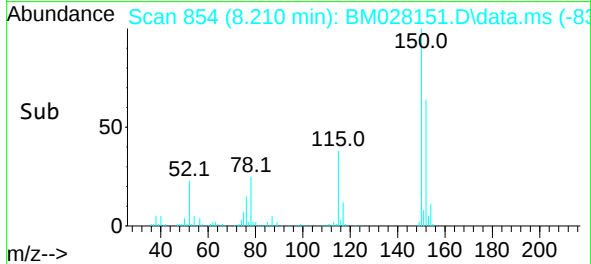




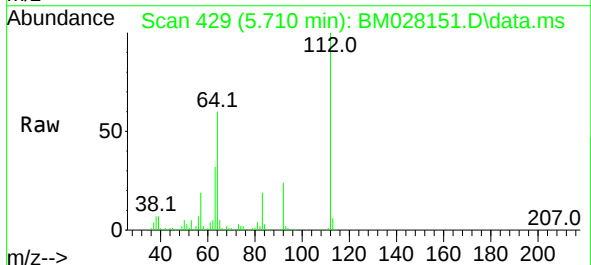
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.210 min Scan# 854
Delta R.T. -0.006 min
Lab File: BM028151.D
Acq: 17 Dec 2020 21:10



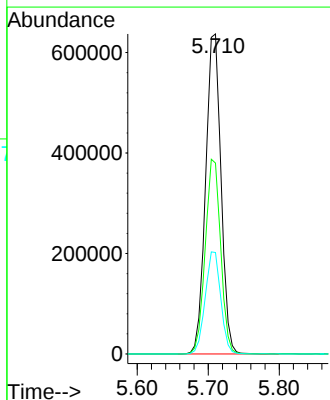
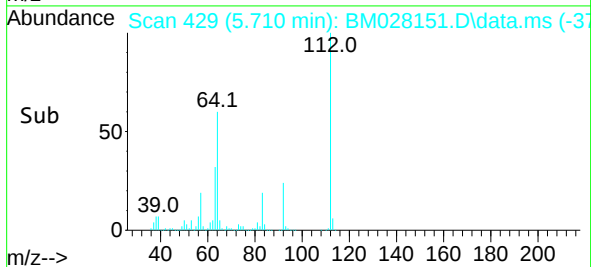
Tgt Ion:152 Resp: 164895
Ion Ratio Lower Upper
152 100
150 155.7 120.6 181.0
115 59.0 47.2 70.8



#5
2-Fluorophenol
Concen: 95.94 ng
RT: 5.710 min Scan# 429
Delta R.T. -0.001 min
Lab File: BM028151.D
Acq: 17 Dec 2020 21:10



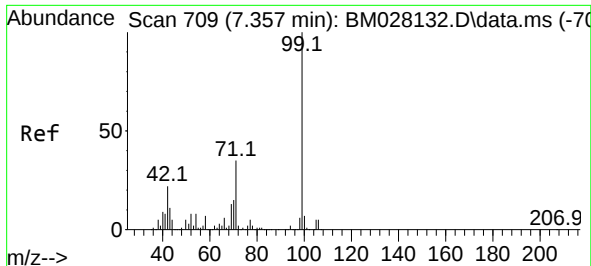
Tgt Ion:112 Resp: 960006
Ion Ratio Lower Upper
112 100
64 59.7 50.6 76.0
63 31.7 31.0 46.6



Instrument :
BNA_M
ClientSampleId :
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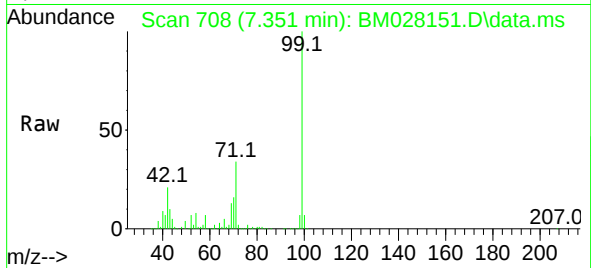
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#7
Phenol-d6
Concen: 89.91 ng
RT: 7.351 min Scan# 708
Delta R.T. -0.006 min
Lab File: BM028151.D
Acq: 17 Dec 2020 21:10

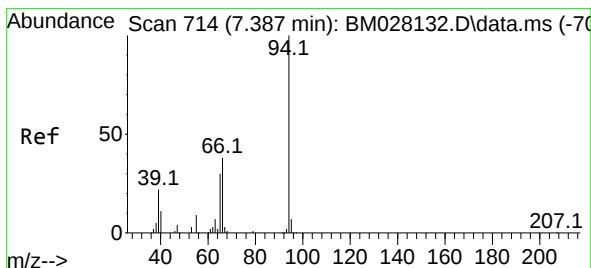
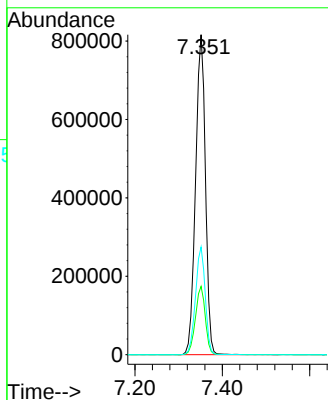
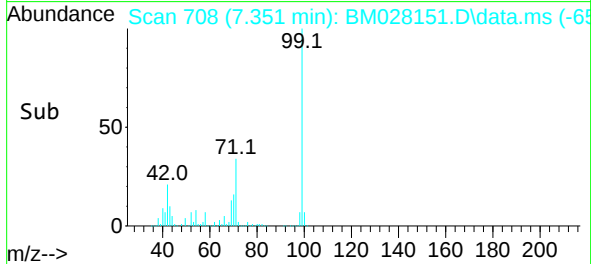
Instrument :
BNA_M
ClientSampled :
B-9



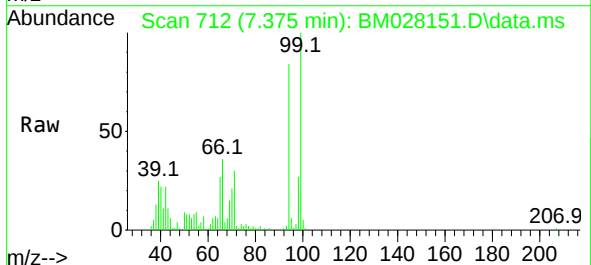
Tgt Ion: 99 Resp: 1284686
Ion Ratio Lower Upper
99 100
42 21.4 13.5 20.3#
71 33.7 39.4 59.0#

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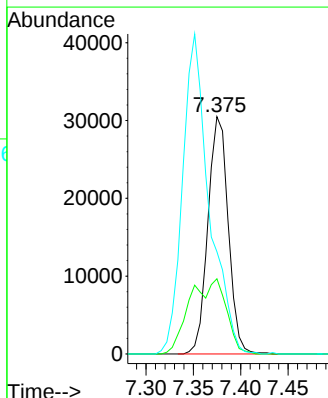
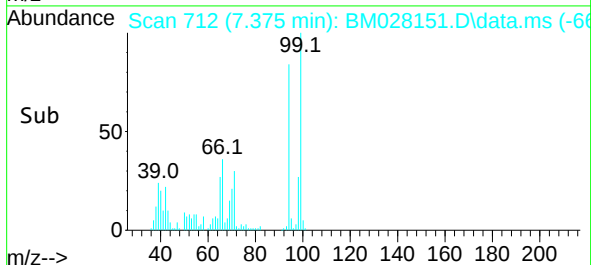
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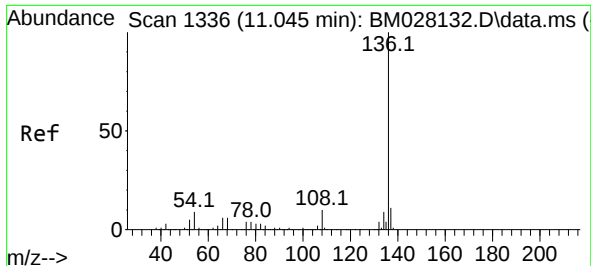


#10
Phenol
Concen: 3.36 ng
RT: 7.375 min Scan# 712
Delta R.T. -0.012 min
Lab File: BM028151.D
Acq: 17 Dec 2020 21:10

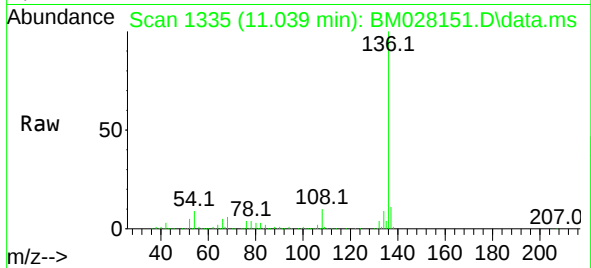


Tgt Ion: 94 Resp: 45615
Ion Ratio Lower Upper
94 100
65 31.7 16.4 56.4
66 43.1 30.2 70.2

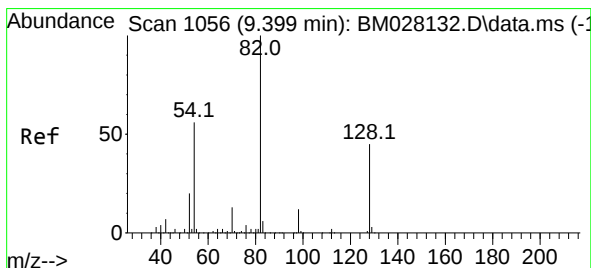
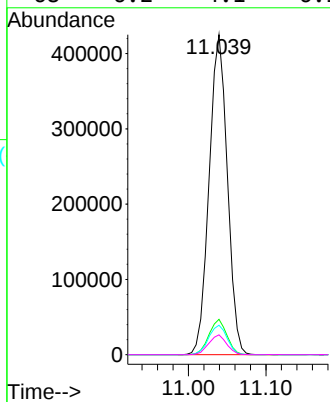
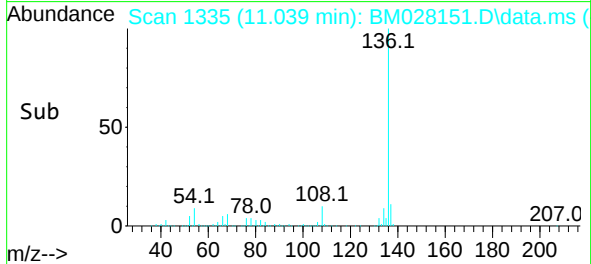




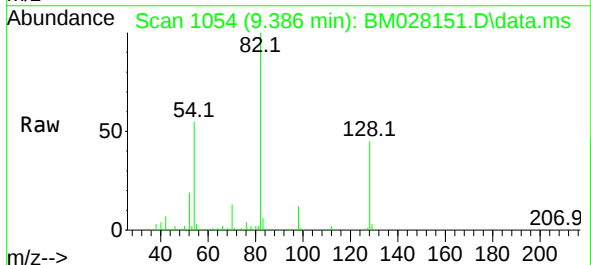
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.039 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BM028151.D
Acq: 17 Dec 2020 21:10



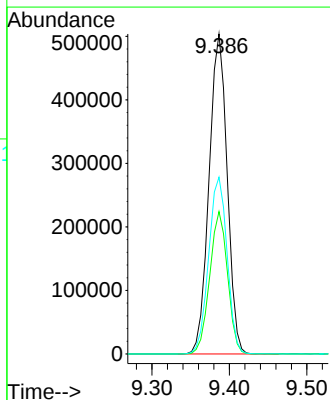
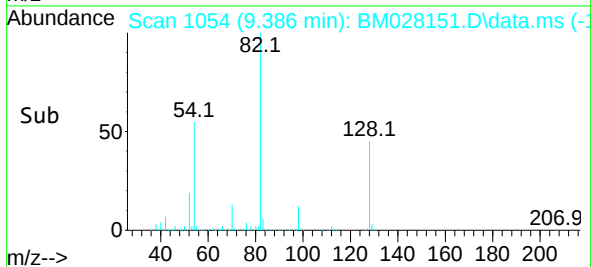
Tgt Ion:136 Resp: 693868
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 9.2 4.6 7.0#
68 6.2 4.1 6.1#



#23
Nitrobenzene-d5
Concen: 58.47 ng
RT: 9.386 min Scan# 1054
Delta R.T. -0.013 min
Lab File: BM028151.D
Acq: 17 Dec 2020 21:10



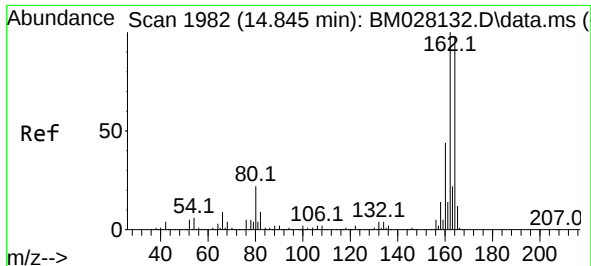
Tgt Ion: 82 Resp: 817589
Ion Ratio Lower Upper
82 100
128 44.5 27.4 41.0#
54 55.3 31.4 47.0#



Instrument :
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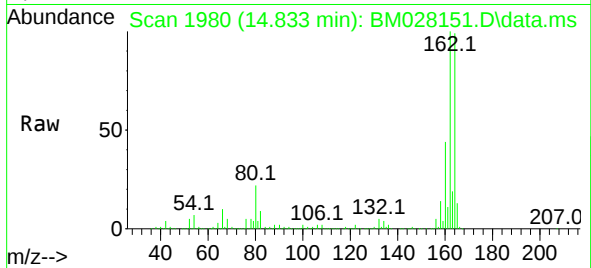
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#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.833 min Scan# 1980
Delta R.T. -0.012 min
Lab File: BM028151.D
Acq: 17 Dec 2020 21:10

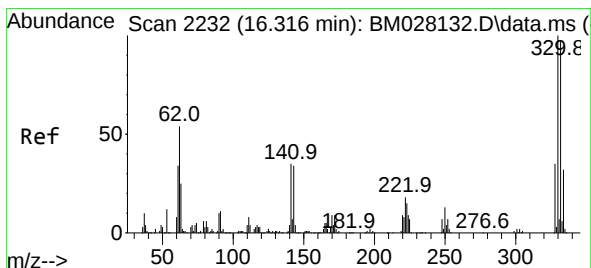
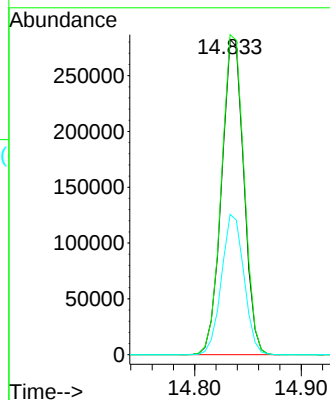
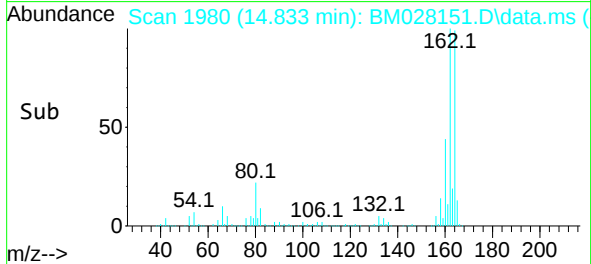
Instrument :
BNA_M
ClientSampled :
B-9



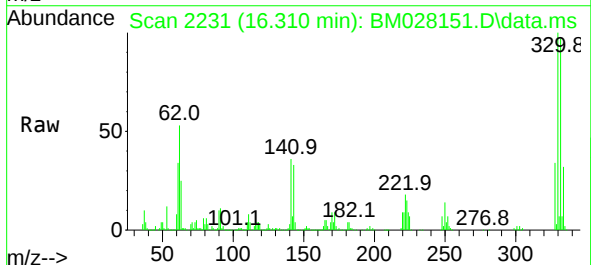
Tgt Ion:164 Resp: 409831
Ion Ratio Lower Upper
164 100
162 101.5 80.4 120.6
160 44.5 35.9 53.9

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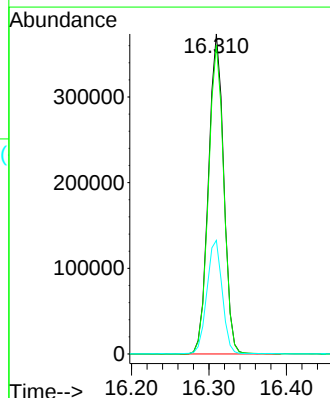
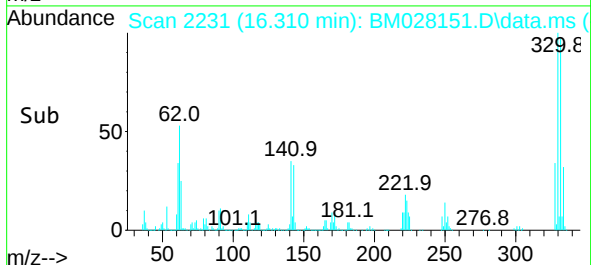
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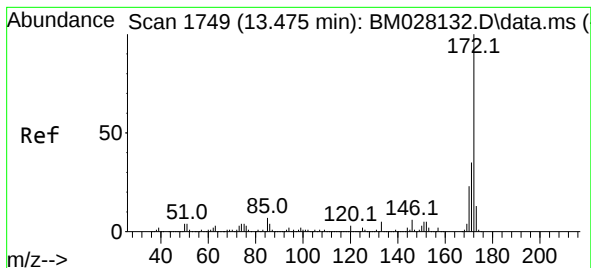


#42
2,4,6-Tribromophenol
Concen: 93.80 ng
RT: 16.310 min Scan# 2231
Delta R.T. -0.006 min
Lab File: BM028151.D
Acq: 17 Dec 2020 21:10



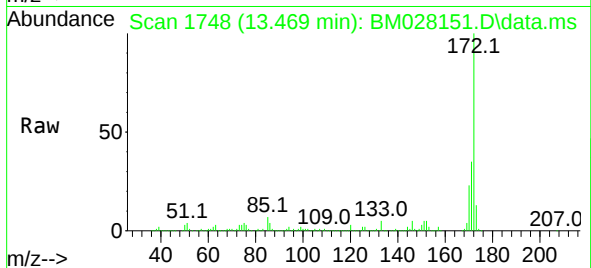
Tgt Ion:330 Resp: 510291
Ion Ratio Lower Upper
330 100
332 96.7 77.8 116.8
141 35.5 28.4 42.6





#45
2-Fluorobiphenyl
Concen: 57.88 ng
RT: 13.469 min Scan# 1748
Delta R.T. -0.006 min
Lab File: BM028151.D
Acq: 17 Dec 2020 21:10

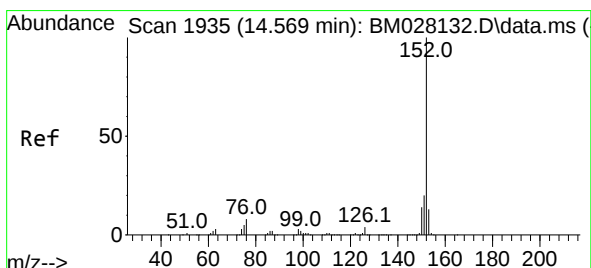
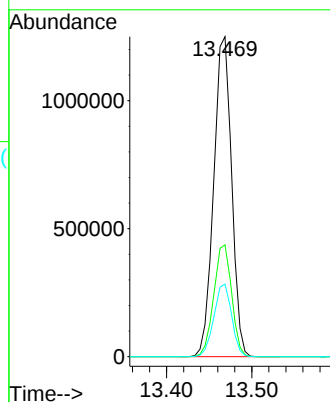
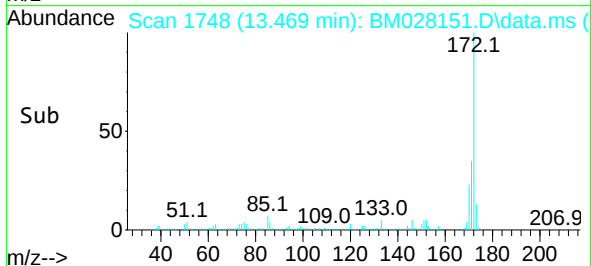
Instrument :
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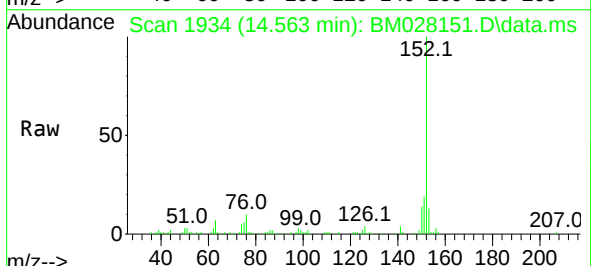
Tgt Ion:172 Resp: 1824700
Ion Ratio Lower Upper
172 100
171 35.0 27.8 41.8
170 22.7 18.6 27.8

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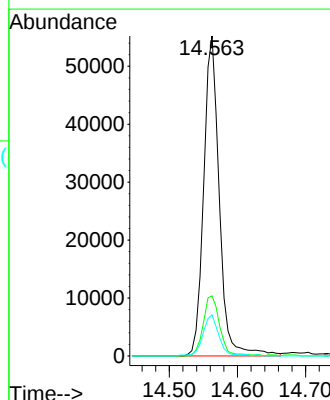
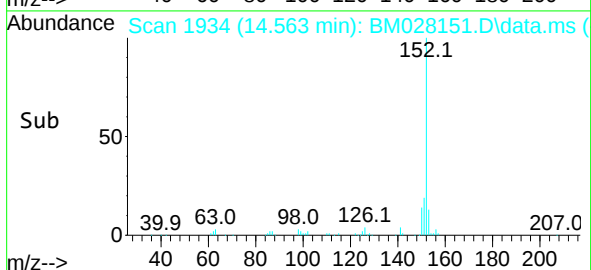
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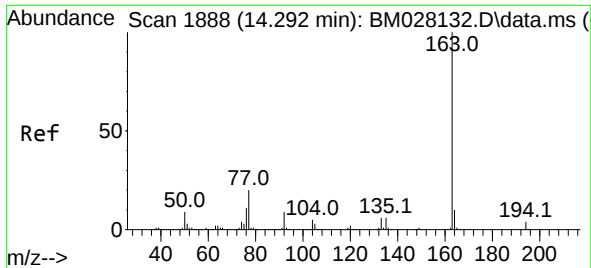


#49
Acenaphthylene
Concen: 2.12 ng
RT: 14.563 min Scan# 1934
Delta R.T. -0.006 min
Lab File: BM028151.D
Acq: 17 Dec 2020 21:10



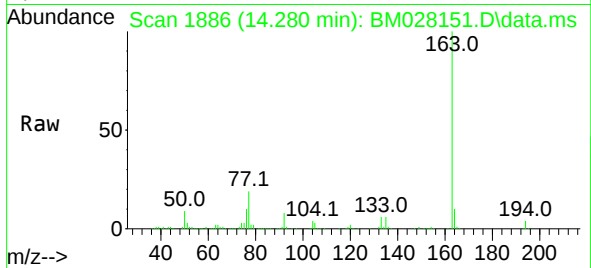
Tgt Ion:152 Resp: 87966
Ion Ratio Lower Upper
152 100
151 18.8 15.8 23.6
153 12.9 10.4 15.6





#50
Dimethylphthalate
Concen: 6.38 ng
RT: 14.280 min Scan# 1886
Delta R.T. -0.012 min
Lab File: BM028151.D
Acq: 17 Dec 2020 21:10

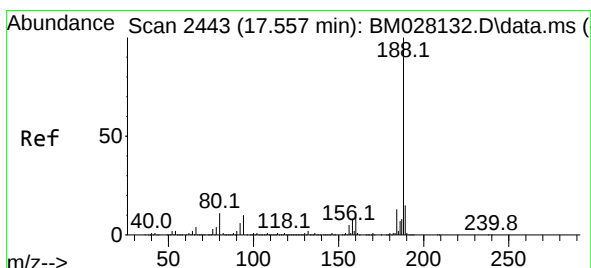
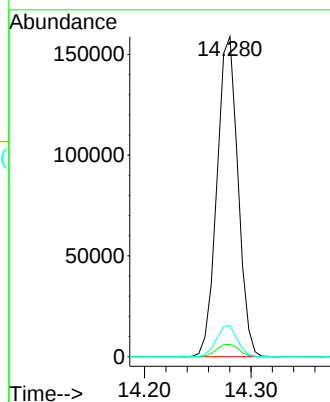
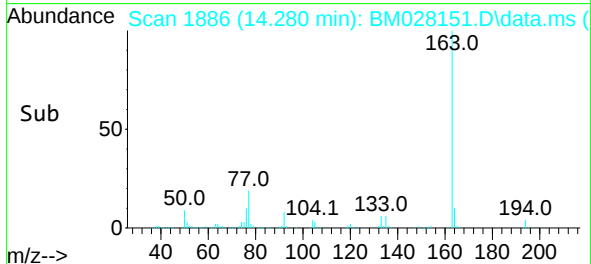
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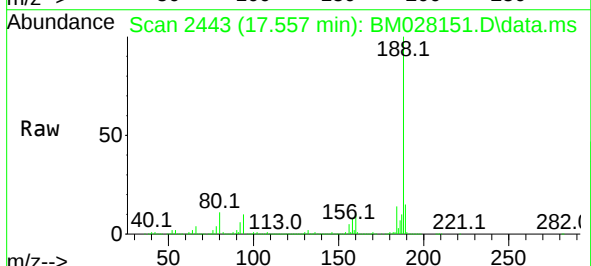
Tgt Ion:163 Resp: 217094
Ion Ratio Lower Upper
163 100
194 3.9 3.4 5.2
164 9.7 8.1 12.1

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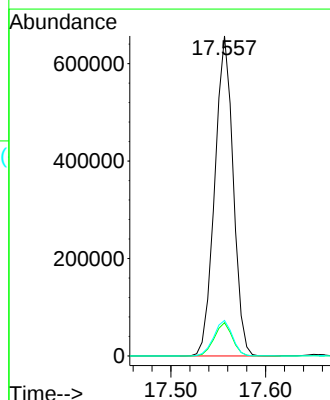
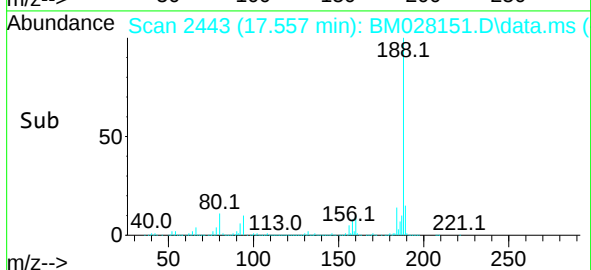
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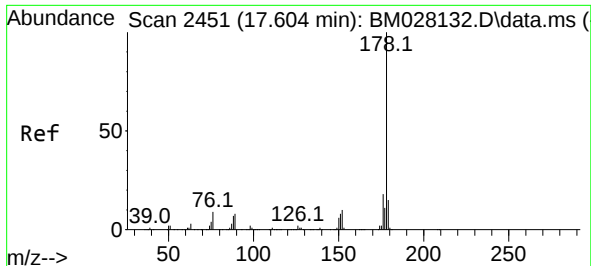


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.557 min Scan# 2443
Delta R.T. -0.000 min
Lab File: BM028151.D
Acq: 17 Dec 2020 21:10



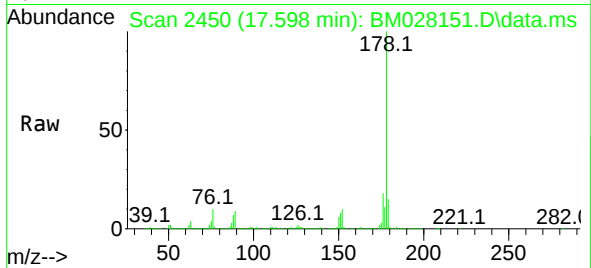
Tgt Ion:188 Resp: 887567
Ion Ratio Lower Upper
188 100
94 10.4 6.2 9.4#
80 11.1 7.5 11.3





#71
Phenanthrene
Concen: 24.32 ng
RT: 17.598 min Scan# 2450
Delta R.T. -0.006 min
Lab File: BM028151.D
Acq: 17 Dec 2020 21:10

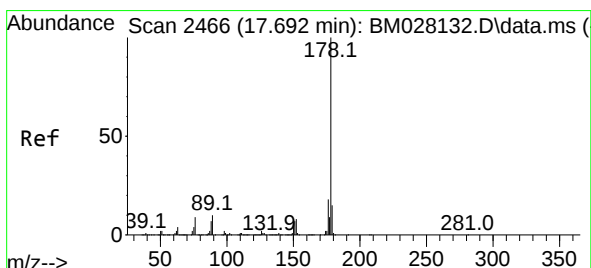
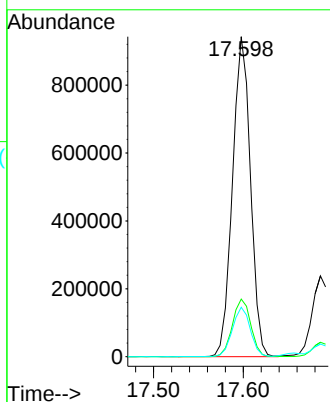
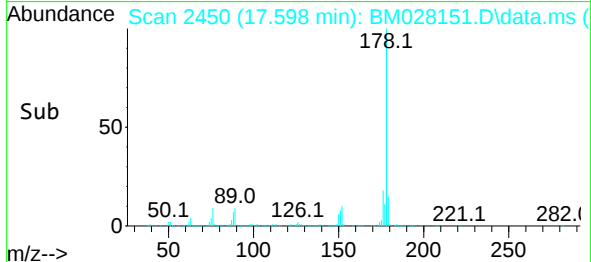
Instrument :
BNA_M
ClientSampled :
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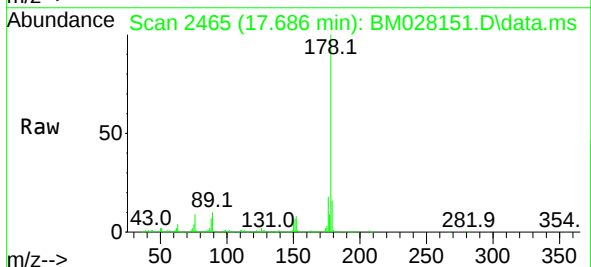
Tgt Ion:178 Resp: 1310690
Ion Ratio Lower Upper
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176 18.0 15.0 22.6
179 15.5 12.2 18.4

Manual Integrations
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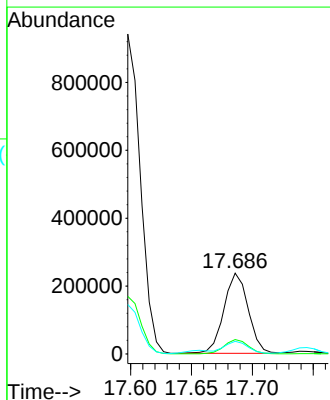
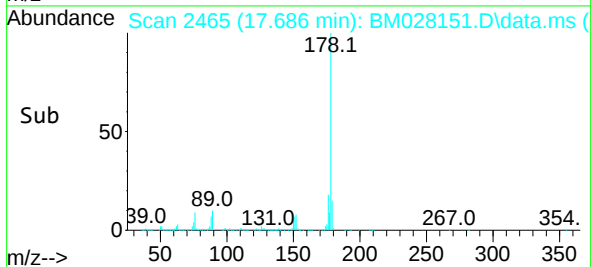
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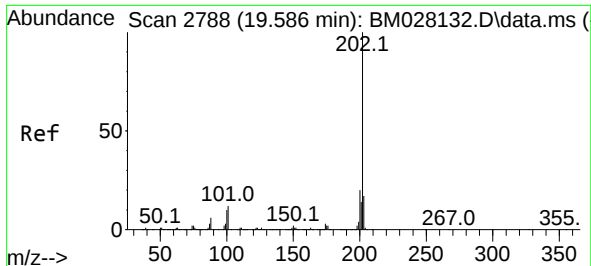


#72
Anthracene
Concen: 6.30 ng
RT: 17.686 min Scan# 2465
Delta R.T. -0.006 min
Lab File: BM028151.D
Acq: 17 Dec 2020 21:10

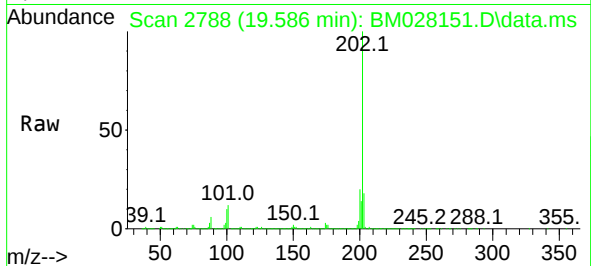


Tgt Ion:178 Resp: 328134
Ion Ratio Lower Upper
178 100
176 17.8 15.0 22.4
179 15.7 12.5 18.7

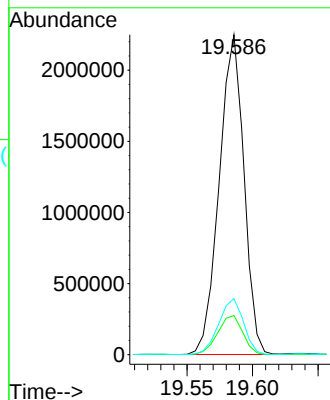
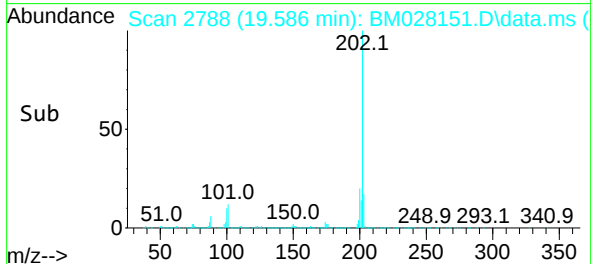




#75
Fluoranthene
Concen: 48.72 ng
RT: 19.586 min Scan# 2788
Delta R.T. -0.000 min
Lab File: BM028151.D
Acq: 17 Dec 2020 21:10



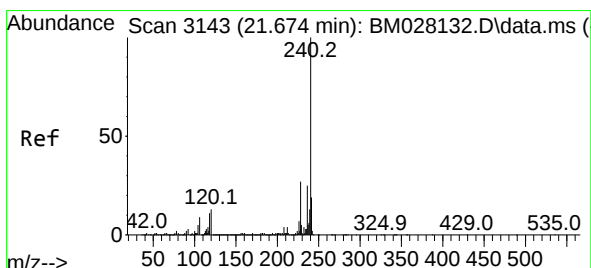
Tgt Ion:202 Resp: 2940730
Ion Ratio Lower Upper
202 100
101 12.2 0.0 28.5
203 17.5 0.0 37.3



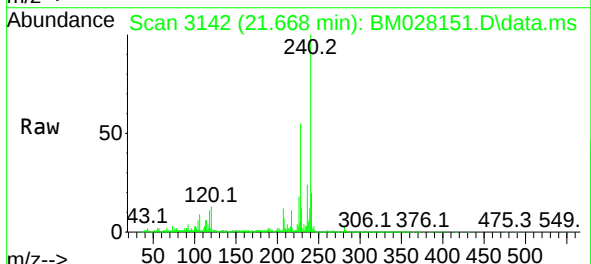
Instrument :
BNA_M
ClientSampled :
B-9

Manual Integrations
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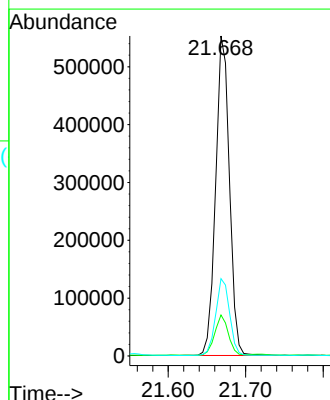
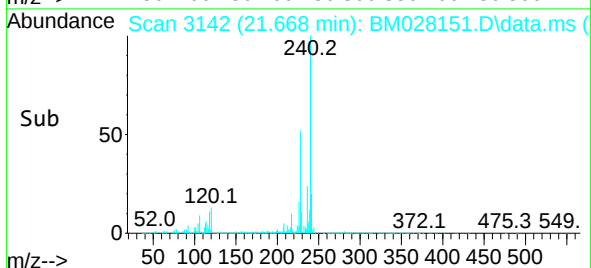
mohammad
12/18/2020 10:28:23 AM

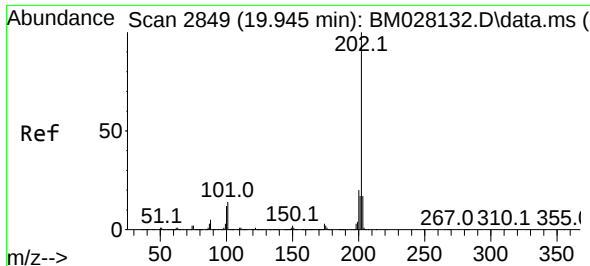


#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.668 min Scan# 3142
Delta R.T. -0.006 min
Lab File: BM028151.D
Acq: 17 Dec 2020 21:10



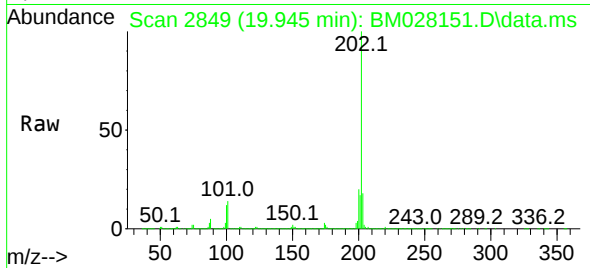
Tgt Ion:240 Resp: 683098
Ion Ratio Lower Upper
240 100
120 12.8 6.4 9.6#
236 24.2 20.1 30.1





#78
Pyrene
Concen: 53.52 ng
RT: 19.945 min Scan# 2849
Delta R.T. -0.000 min
Lab File: BM028151.D
Acq: 17 Dec 2020 21:10

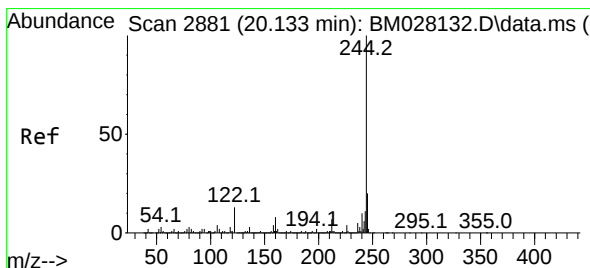
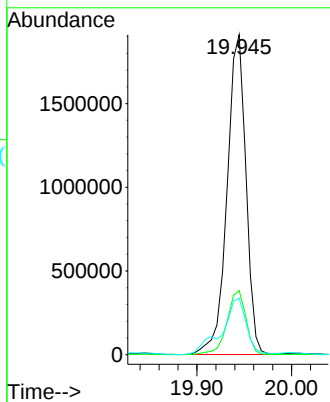
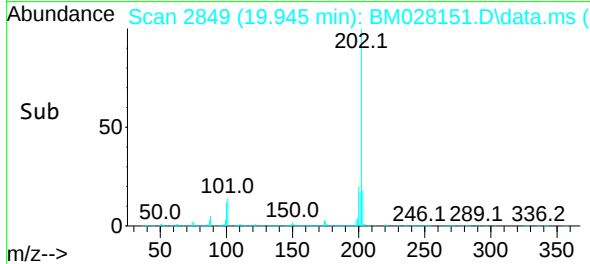
Instrument :
BNA_M
ClientSampleId :
B-9



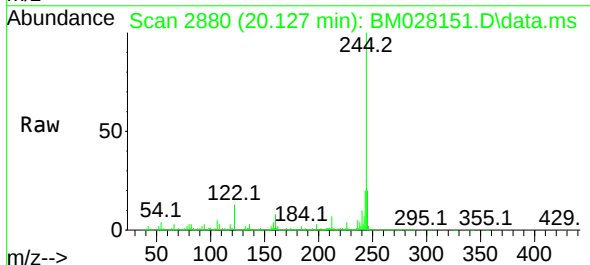
Tgt Ion:202 Resp: 2647023
Ion Ratio Lower Upper
202 100
200 20.1 16.6 24.8
203 17.7 13.8 20.6

Manual Integrations
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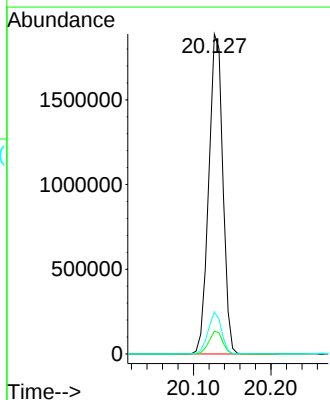
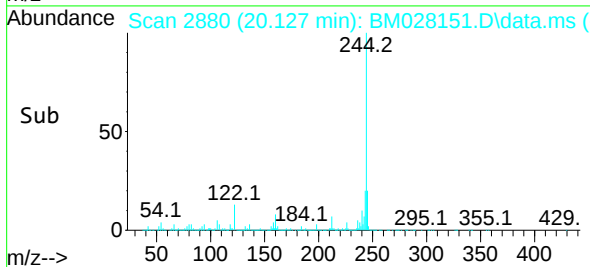
mohammad
12/18/2020 10:28:23 AM

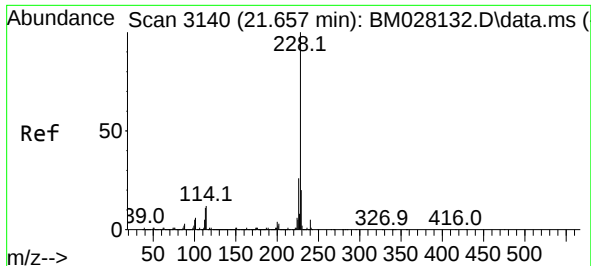


#79
Terphenyl-d14
Concen: 63.26 ng
RT: 20.127 min Scan# 2880
Delta R.T. -0.006 min
Lab File: BM028151.D
Acq: 17 Dec 2020 21:10



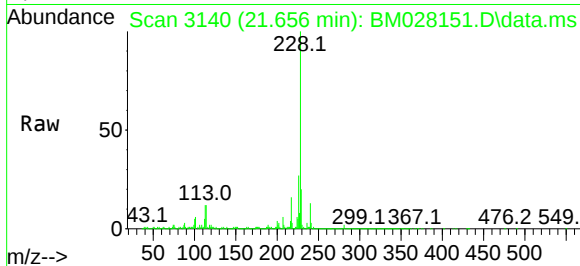
Tgt Ion:244 Resp: 2381400
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.8
122 13.2 6.5 9.7#





#81
Benzo(a)anthracene
Concen: 29.10 ng
RT: 21.656 min Scan# 3140
Delta R.T. -0.000 min
Lab File: BM028151.D
Acq: 17 Dec 2020 21:10

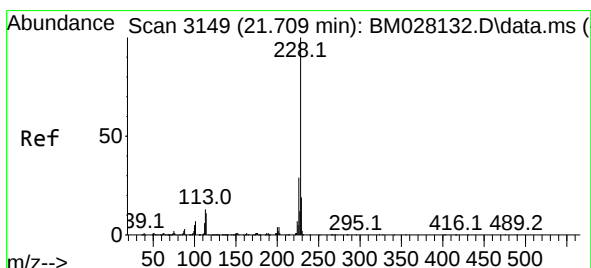
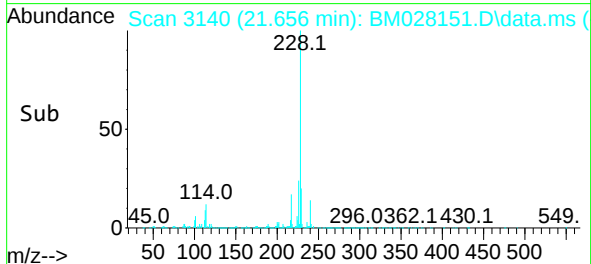
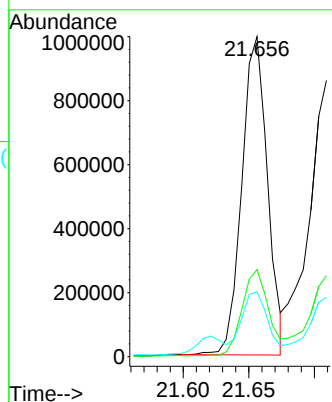
Instrument :
BNA_M
ClientSampled :
B-9



Tgt Ion:228 Resp: 1354344
Ion Ratio Lower Upper
228 100
226 27.2 21.1 31.7
229 20.3 15.7 23.5

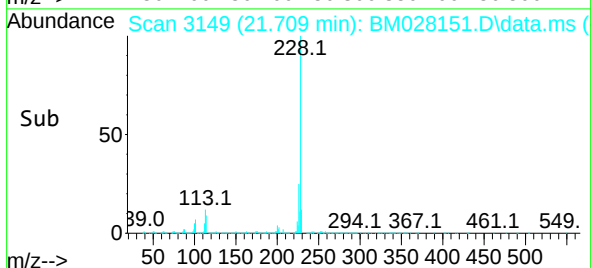
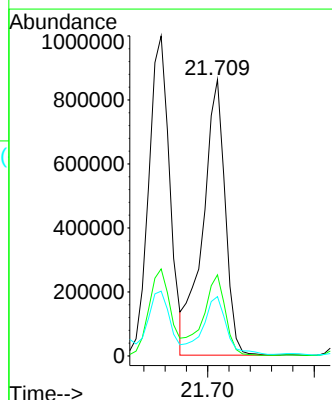
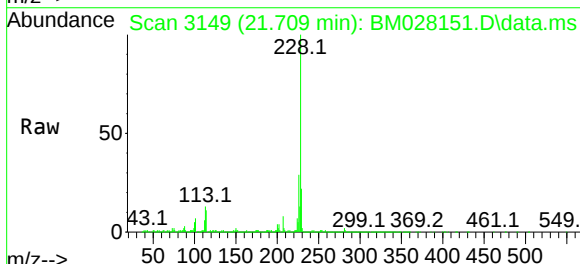
Manual Integrations
APPROVED

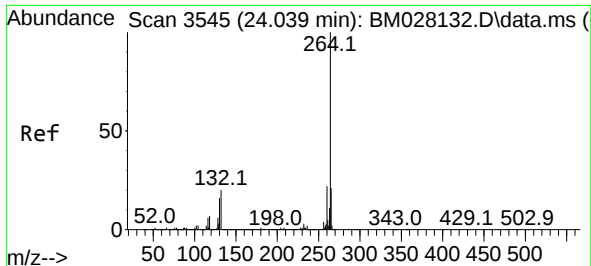
mohammad
12/18/2020 10:28:23 AM



#83
Chrysene
Concen: 27.89 ng m
RT: 21.709 min Scan# 3149
Delta R.T. -0.000 min
Lab File: BM028151.D
Acq: 17 Dec 2020 21:10

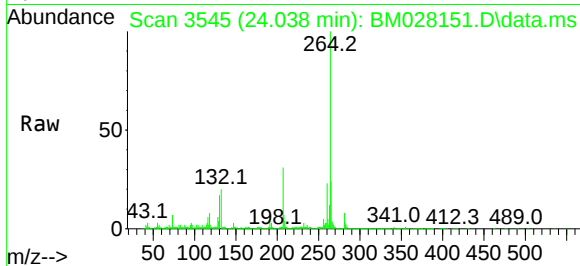
Tgt Ion:228 Resp: 1256538
Ion Ratio Lower Upper
228 100
226 29.3 23.4 35.0
229 21.5 15.7 23.5





#86
Perylene-d12
Concen: 20.00 ng
RT: 24.038 min Scan# 3545
Delta R.T. -0.000 min
Lab File: BM028151.D
Acq: 17 Dec 2020 21:10

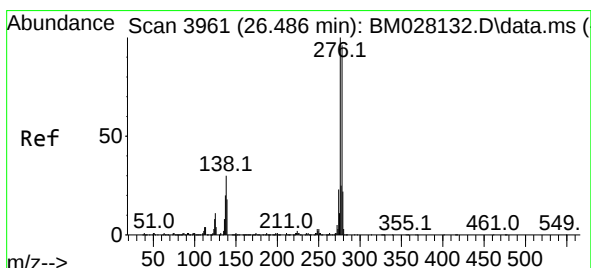
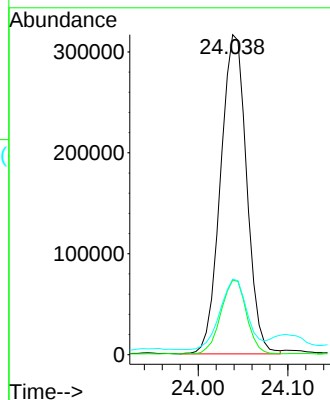
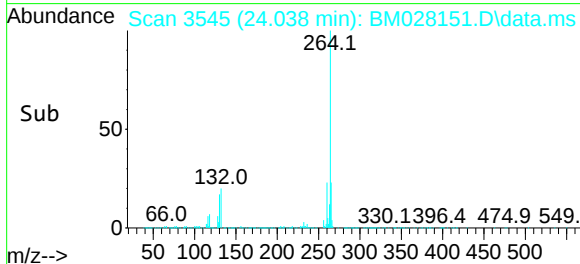
Instrument :
BNA_M
ClientSampled :
B-9



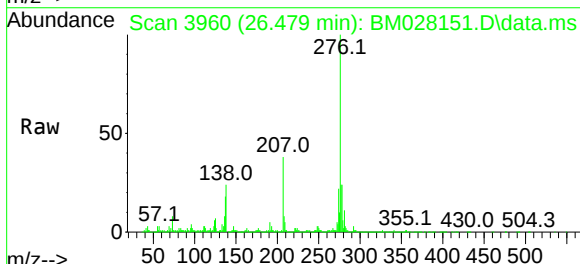
Tgt Ion:264 Resp: 638662
Ion Ratio Lower Upper
264 100
260 23.3 19.0 28.4
265 23.6 17.7 26.5

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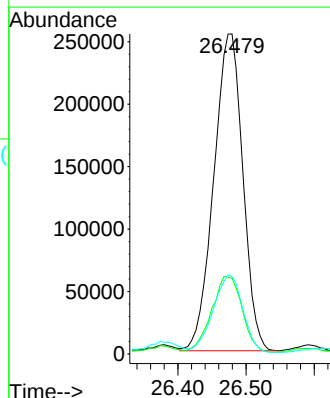
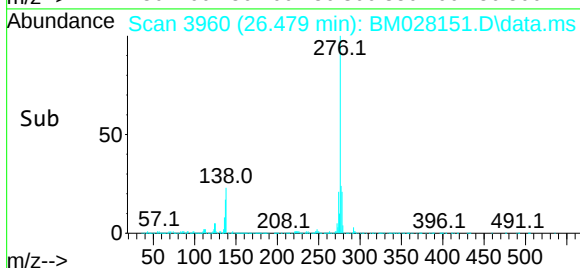
mohammad
12/18/2020 10:28:23 AM

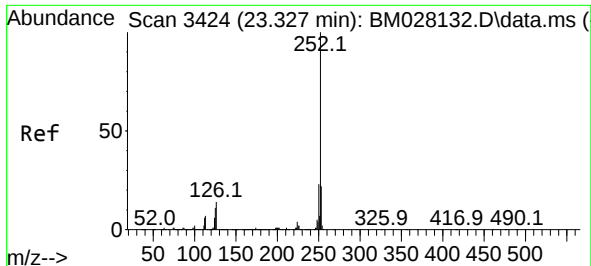


#87
Indeno(1,2,3-cd)pyrene
Concen: 17.73 ng
RT: 26.479 min Scan# 3960
Delta R.T. -0.006 min
Lab File: BM028151.D
Acq: 17 Dec 2020 21:10



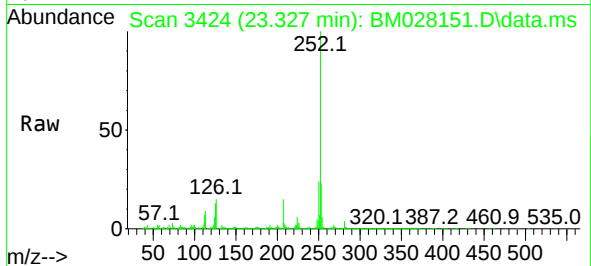
Tgt Ion:276 Resp: 752954
Ion Ratio Lower Upper
276 100
138 25.0 14.2 21.4#
277 24.8 19.8 29.8





#88
Benzo(b)fluoranthene
Concen: 37.10 ng m
RT: 23.327 min Scan# 3424
Delta R.T. -0.000 min
Lab File: BM028151.D
Acq: 17 Dec 2020 21:10

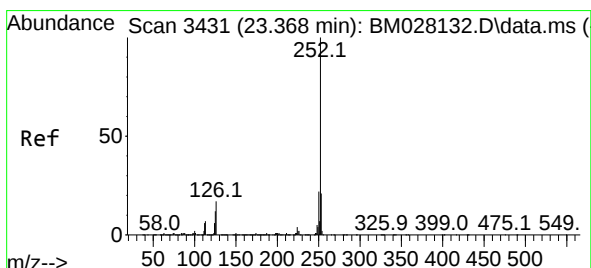
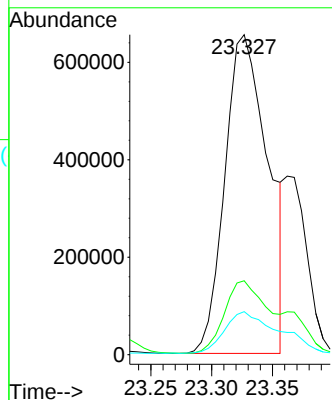
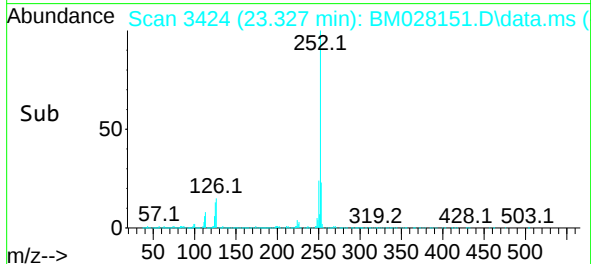
Instrument :
BNA_M
ClientSampled :
B-9



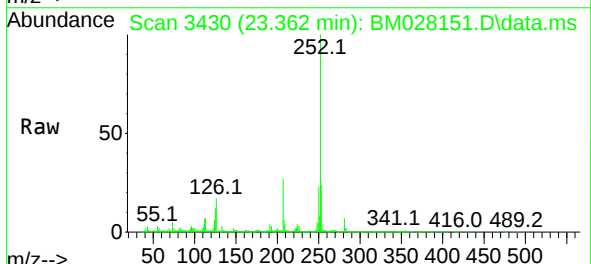
Tgt Ion:252 Resp: 1614278
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 13.4 5.7 8.5#

Manual Integrations
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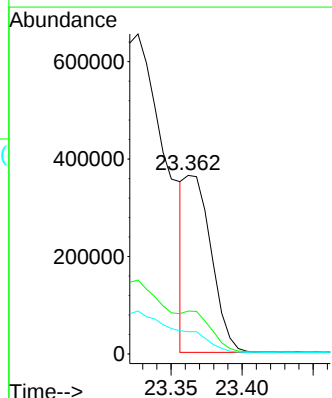
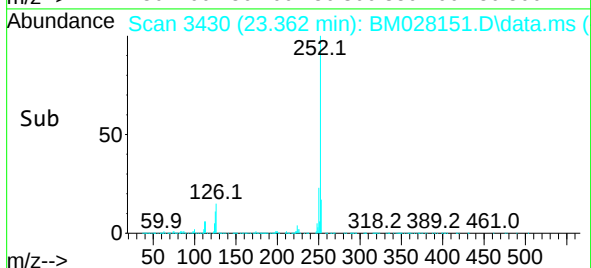
mohammad
12/18/2020 10:28:23 AM

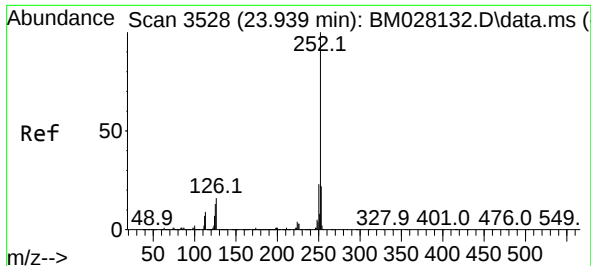


#89
Benzo(k)fluoranthene
Concen: 11.03 ng m
RT: 23.362 min Scan# 3430
Delta R.T. -0.006 min
Lab File: BM028151.D
Acq: 17 Dec 2020 21:10



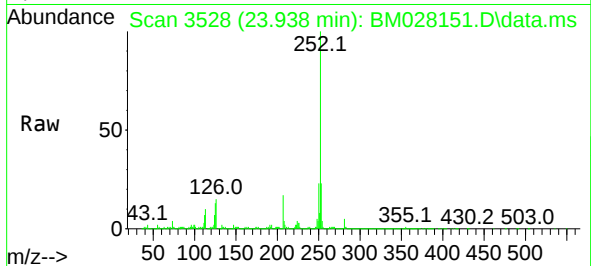
Tgt Ion:252 Resp: 466360
Ion Ratio Lower Upper
252 100
253 24.0 17.4 26.0
125 12.4 5.6 8.4#





#90
Benzo(a)pyrene
Concen: 27.87 ng
RT: 23.938 min Scan# 3528
Delta R.T. -0.000 min
Lab File: BM028151.D
Acq: 17 Dec 2020 21:10

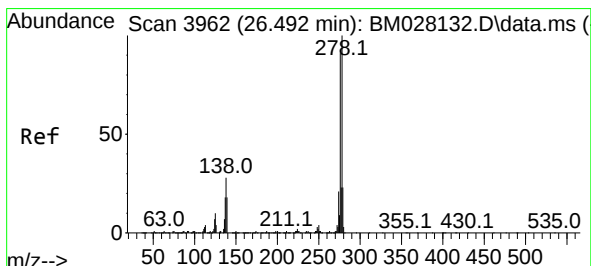
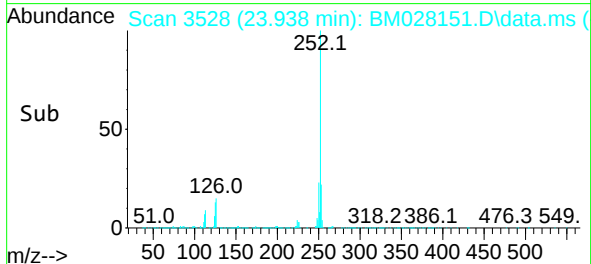
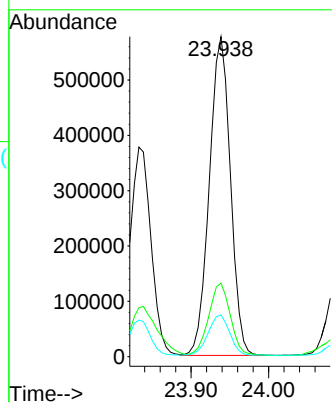
Instrument :
BNA_M
ClientSampled :
B-9



Tgt Ion:252 Resp: 1088385
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 13.1 6.6 9.8#

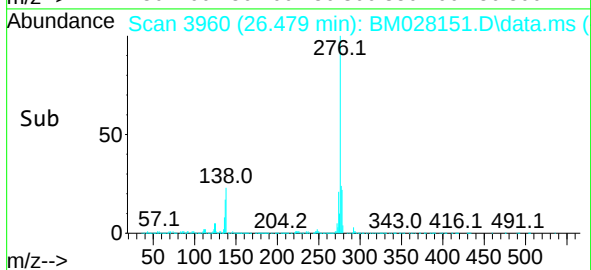
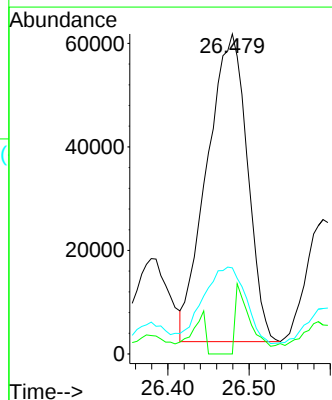
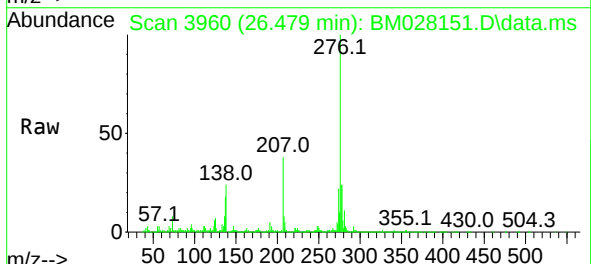
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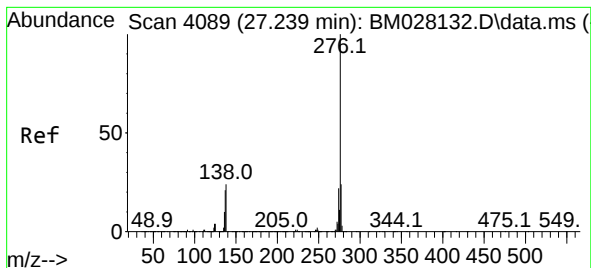
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 5.79 ng
RT: 26.479 min Scan# 3960
Delta R.T. -0.012 min
Lab File: BM028151.D
Acq: 17 Dec 2020 21:10

Tgt Ion:278 Resp: 205130
Ion Ratio Lower Upper
278 100
139 0.0 9.0 13.6#
279 26.9 19.0 28.4





#92

Benzo(g,h,i)perylene

Concen: 21.05 ng

RT: 27.226 min Scan# 4087

Delta R.T. -0.012 min

Lab File: BM028151.D

Acq: 17 Dec 2020 21:10

Tgt Ion: 276 Resp: 712501

Ion Ratio Lower Upper

276 100

277 24.6 18.6 28.0

138 25.4 12.2 18.2#

Instrument :

BNA_M

ClientSampleId :

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Manual Integrations

APPROVED

mohammad

12/18/2020 10:28:23 AM

