

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121720\
 Data File : BM028153.D
 Acq On : 17 Dec 2020 22:22
 Operator : JU/CG
 Sample : L5036-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-3

Manual Integrations
 APPROVED

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

Quant Time: Dec 18 00:22:44 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	165684	20.00	ng	0.00
21) Naphthalene-d8	11.039	136	634341	20.00	ng	# 0.00
39) Acenaphthene-d10	14.839	164	306254	20.00	ng	0.00
64) Phenanthrene-d10	17.556	188	542094	20.00	ng	# 0.00
76) Chrysene-d12	21.668	240	536674	20.00	ng	# 0.00
86) Perylene-d12	24.038	264	608912	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.704	112	928422	92.34	ng	0.00
7) Phenol-d6	7.351	99	1180089	82.19	ng	0.00
23) Nitrobenzene-d5	9.386	82	732360	57.29	ng	-0.01
42) 2,4,6-Tribromophenol	16.310	330	296519	72.94	ng	0.00
45) 2-Fluorobiphenyl	13.469	172	1372266	58.25	ng	0.00
79) Terphenyl-d14	20.127	244	1328038	44.90	ng	0.00
Target Compounds						Qvalue
10) Phenol	7.375	94	46556	3.41	ng	87
49) Acenaphthylene	14.563	152	75036	2.42	ng	98
50) Dimethylphthalate	14.280	163	172587	6.79	ng	99
71) Phenanthrene	17.598	178	167894	5.10	ng	100
72) Anthracene	17.686	178	88048	2.77	ng	98
75) Fluoranthene	19.580	202	348841	9.46	ng	97
78) Pyrene	19.939	202	307576	7.92	ng	99
81) Benzo(a)anthracene	21.650	228	206286	5.64	ng	96
83) Chrysene	21.703	228	195884	5.53	ng	97
87) Indeno(1,2,3-cd)pyrene	26.474	276	298684	7.38	ng	# 93
88) Benzo(b)fluoranthene	23.321	252	433706m	10.46	ng	
89) Benzo(k)fluoranthene	23.362	252	153404m	3.81	ng	
90) Benzo(a)pyrene	23.933	252	366354	9.84	ng	# 95
91) Dibenzo(a,h)anthracene	26.474	278	75374	2.23	ng	# 90
92) Benzo(g,h,i)perylene	27.221	276	278155	8.62	ng	# 89

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

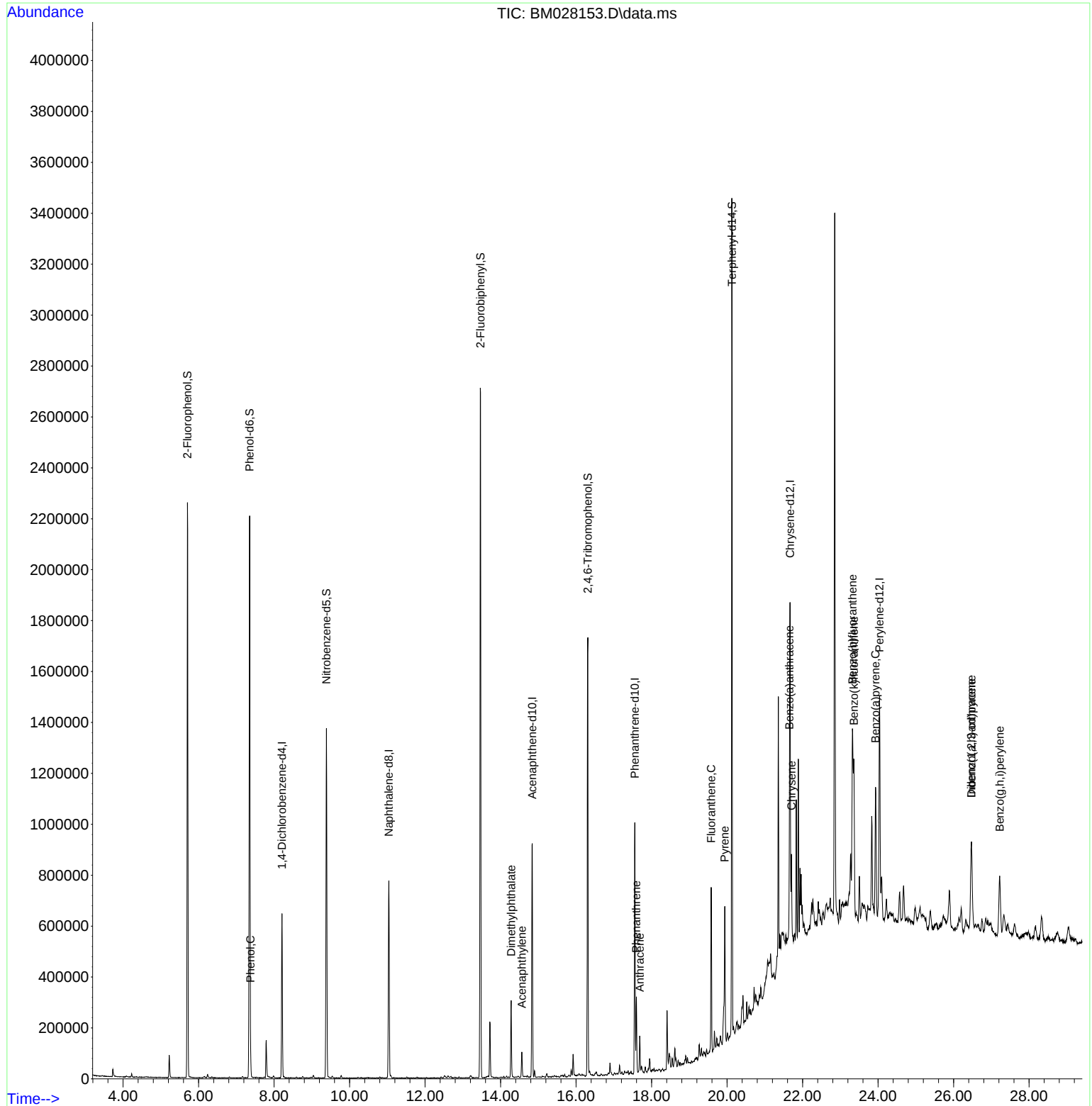
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121720\
Data File : BM028153.D
Acq On : 17 Dec 2020 22:22
Operator : JU/CG
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ALS Vial : 16 Sample Multiplier: 1

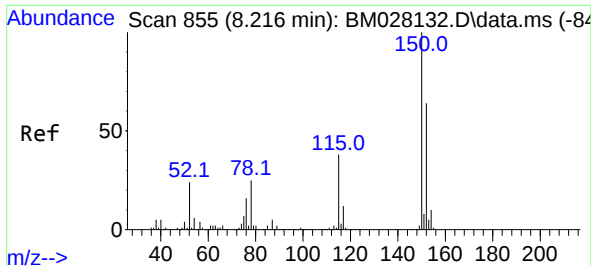
Instrument :
BNA_M
ClientSampled :
B-3

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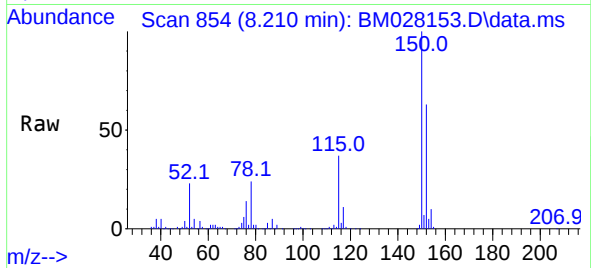
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Quant Time: Dec 18 00:22:44 2020
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121620.M
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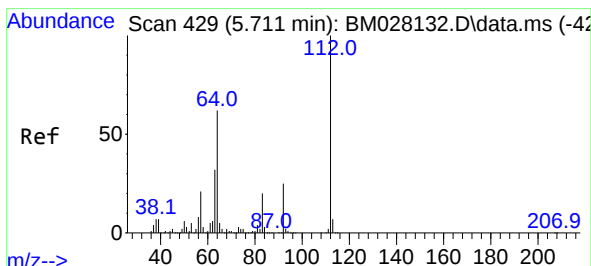
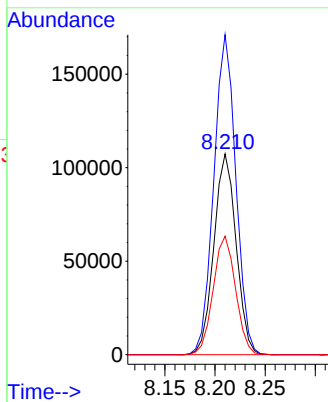
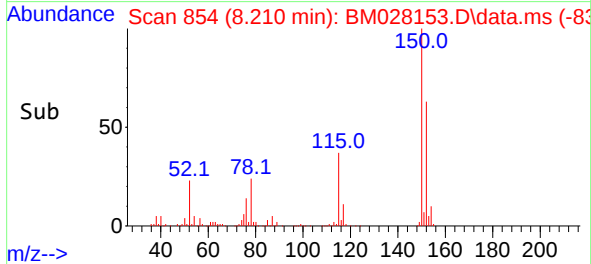




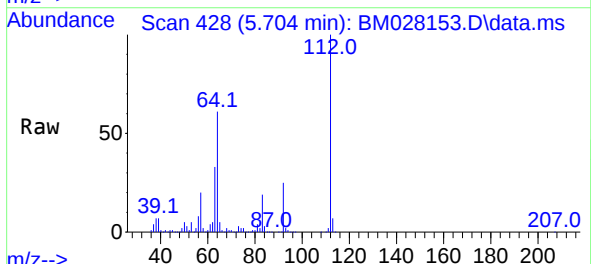
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.210 min Scan# 854
Delta R.T. -0.006 min
Lab File: BM028153.D
Acq: 17 Dec 2020 22:22



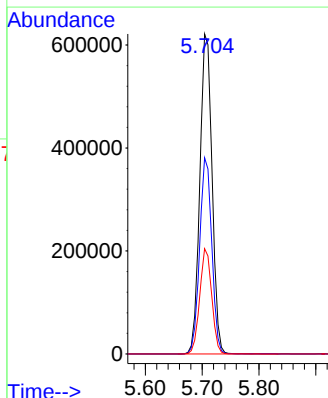
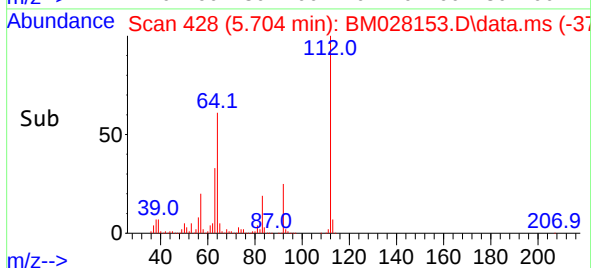
Tgt Ion:152 Resp: 165684
Ion Ratio Lower Upper
152 100
150 159.4 120.6 181.0
115 59.1 47.2 70.8



#5
2-Fluorophenol
Concen: 92.34 ng
RT: 5.704 min Scan# 428
Delta R.T. -0.007 min
Lab File: BM028153.D
Acq: 17 Dec 2020 22:22



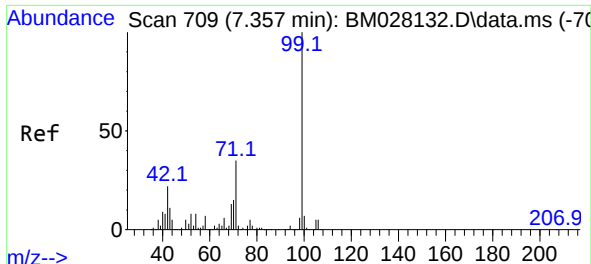
Tgt Ion:112 Resp: 928422
Ion Ratio Lower Upper
112 100
64 61.3 50.6 76.0
63 32.9 31.0 46.6



Instrument :
BNA_M
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B-3

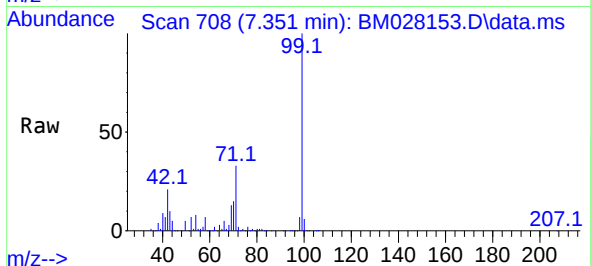
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#7
Phenol-d6
Concen: 82.19 ng
RT: 7.351 min Scan# 708
Delta R.T. -0.006 min
Lab File: BM028153.D
Acq: 17 Dec 2020 22:22

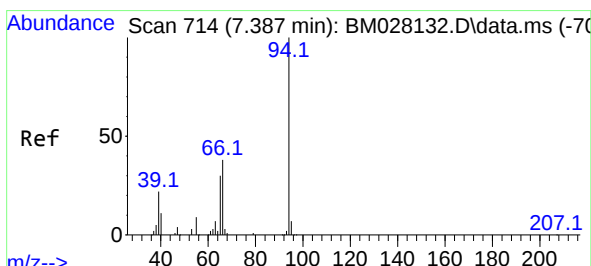
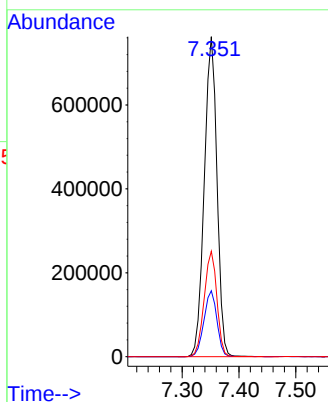
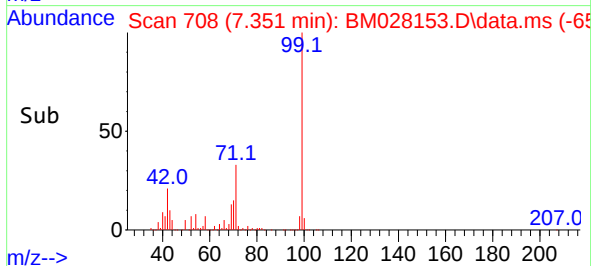
Instrument :
BNA_M
ClientSampled :
B-3



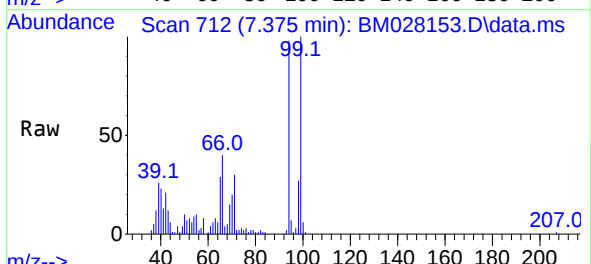
Tgt Ion: 99 Resp: 1180089
Ion Ratio Lower Upper
99 100
42 20.6 13.5 20.3#
71 32.9 39.4 59.0#

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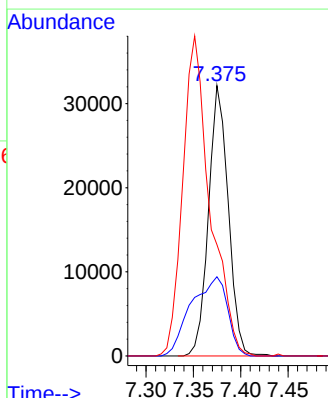
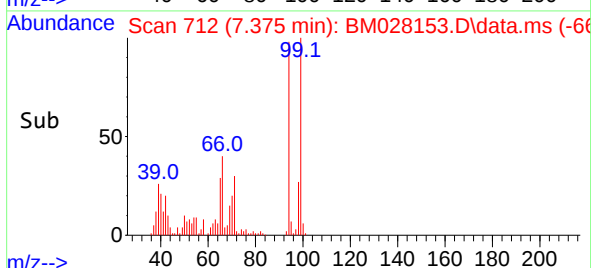
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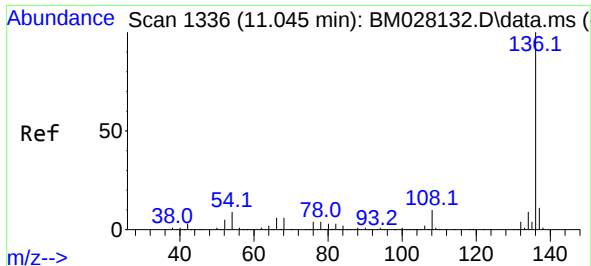


#10
Phenol
Concen: 3.41 ng
RT: 7.375 min Scan# 712
Delta R.T. -0.012 min
Lab File: BM028153.D
Acq: 17 Dec 2020 22:22

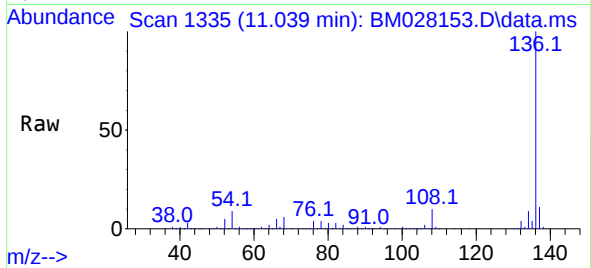


Tgt Ion: 94 Resp: 46556
Ion Ratio Lower Upper
94 100
65 29.3 16.4 56.4
66 41.2 30.2 70.2

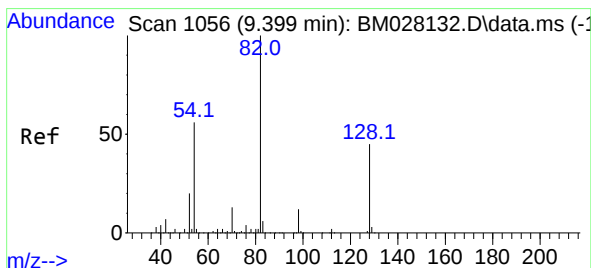
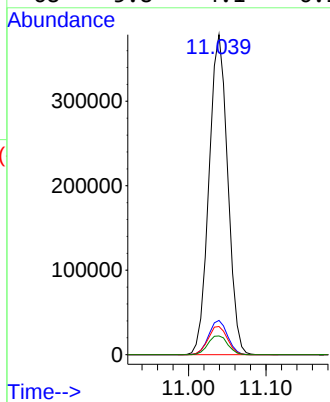
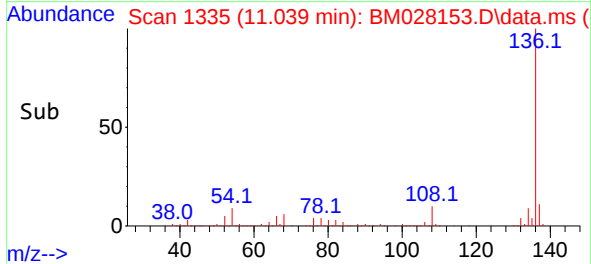




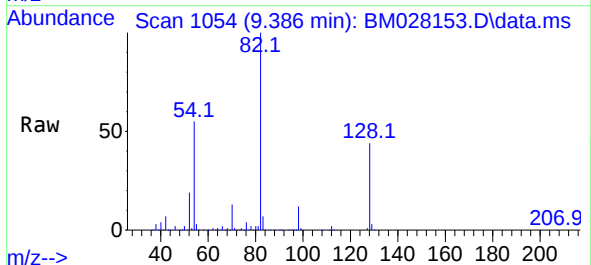
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.039 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BM028153.D
Acq: 17 Dec 2020 22:22



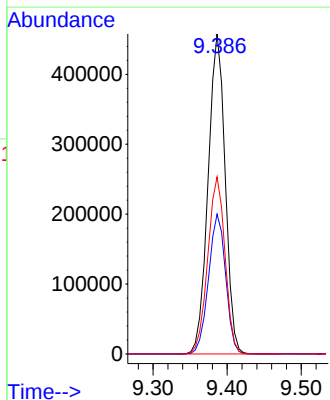
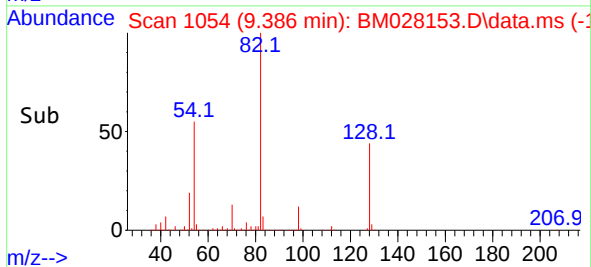
Tgt Ion:136 Resp: 634341
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 8.8 4.6 7.0#
68 5.8 4.1 6.1



#23
Nitrobenzene-d5
Concen: 57.29 ng
RT: 9.386 min Scan# 1054
Delta R.T. -0.013 min
Lab File: BM028153.D
Acq: 17 Dec 2020 22:22



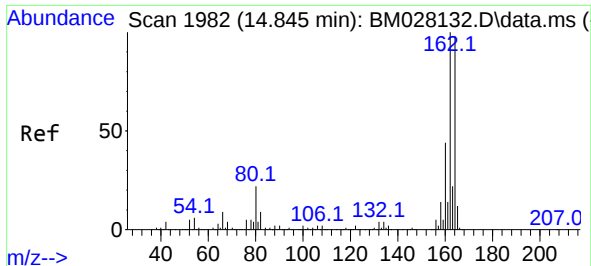
Tgt Ion: 82 Resp: 732360
Ion Ratio Lower Upper
82 100
128 43.7 27.4 41.0#
54 55.3 31.4 47.0#



Instrument :
BNA_M
ClientSampled :
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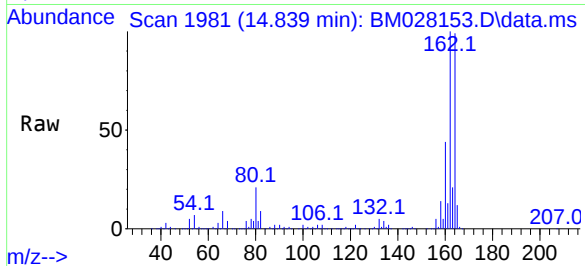
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#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.839 min Scan# 1981
Delta R.T. -0.006 min
Lab File: BM028153.D
Acq: 17 Dec 2020 22:22

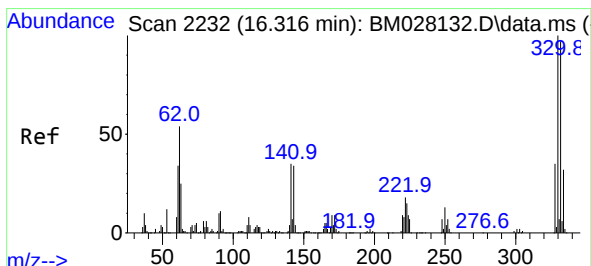
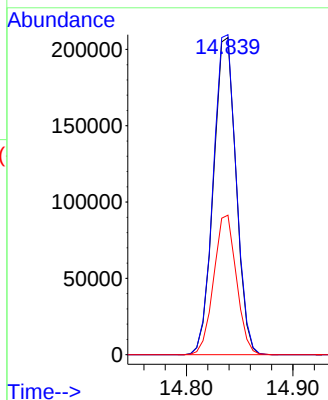
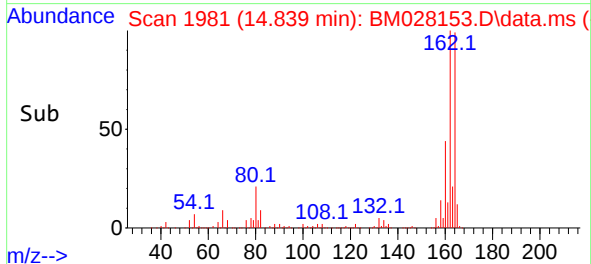
Instrument :
BNA_M
ClientSampled :
B-3



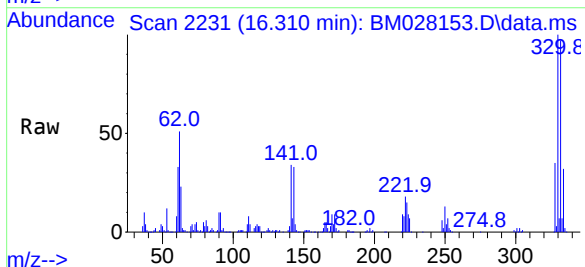
Tgt Ion:164 Resp: 306254
Ion Ratio Lower Upper
164 100
162 100.9 80.4 120.6
160 44.0 35.9 53.9

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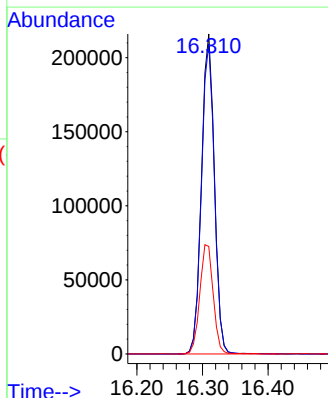
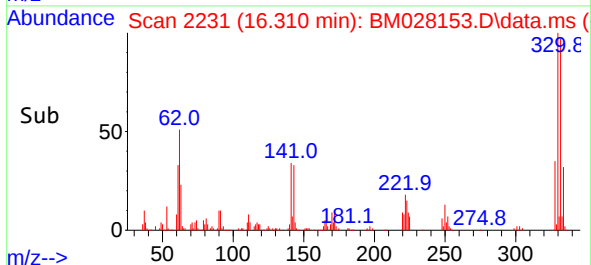
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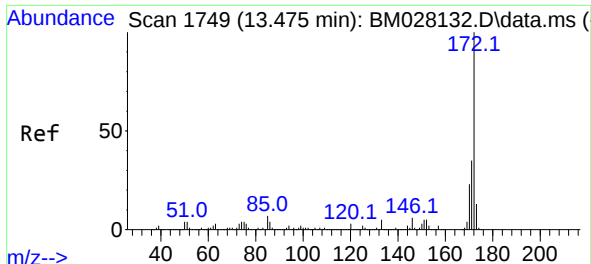


#42
2,4,6-Tribromophenol
Concen: 72.94 ng
RT: 16.310 min Scan# 2231
Delta R.T. -0.006 min
Lab File: BM028153.D
Acq: 17 Dec 2020 22:22



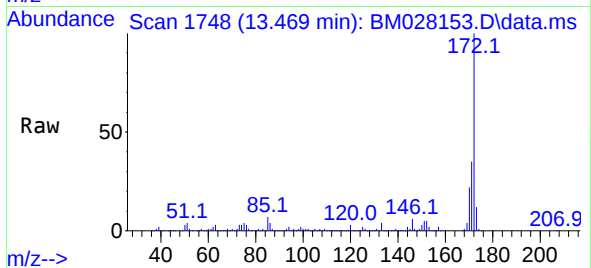
Tgt Ion:330 Resp: 296519
Ion Ratio Lower Upper
330 100
332 97.1 77.8 116.8
141 35.6 28.4 42.6





#45
2-Fluorobiphenyl
Concen: 58.25 ng
RT: 13.469 min Scan# 1748
Delta R.T. -0.006 min
Lab File: BM028153.D
Acq: 17 Dec 2020 22:22

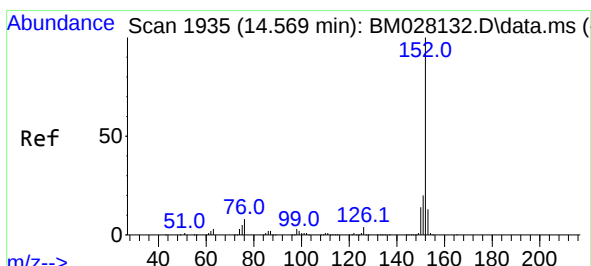
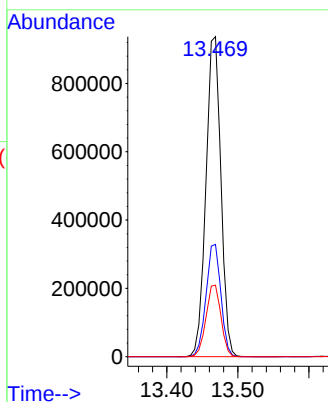
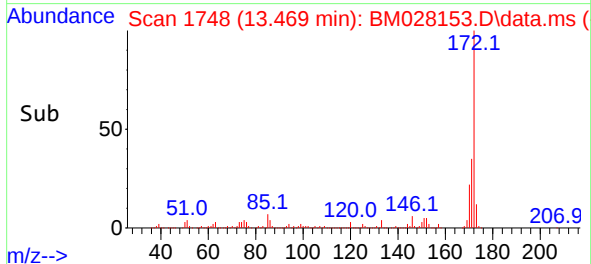
Instrument :
BNA_M
ClientSampled :
B-3



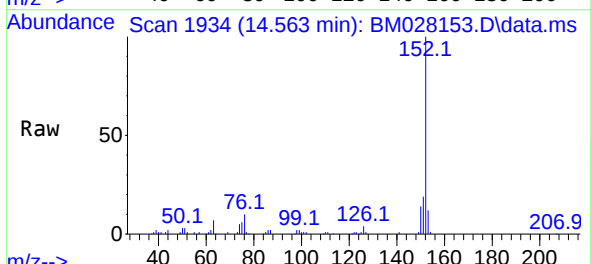
Tgt Ion:172 Resp: 1372266
Ion Ratio Lower Upper
172 100
171 35.1 27.8 41.8
170 22.4 18.6 27.8

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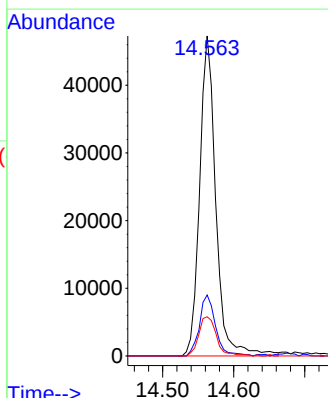
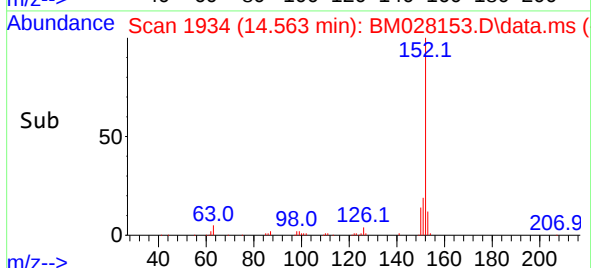
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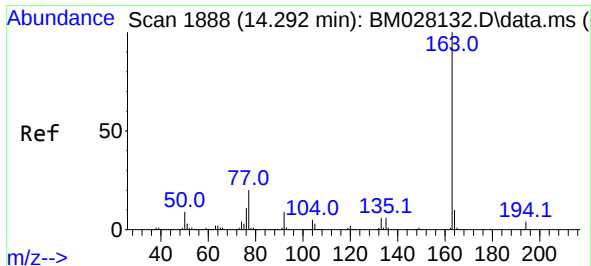


#49
Acenaphthylene
Concen: 2.42 ng
RT: 14.563 min Scan# 1934
Delta R.T. -0.006 min
Lab File: BM028153.D
Acq: 17 Dec 2020 22:22

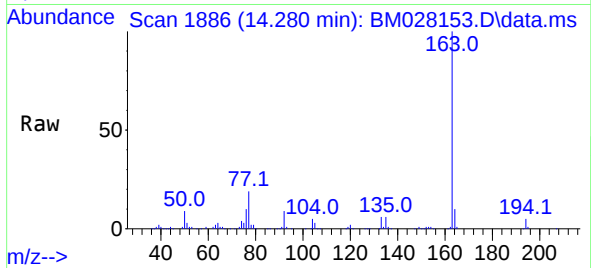


Tgt Ion:152 Resp: 75036
Ion Ratio Lower Upper
152 100
151 19.0 15.8 23.6
153 12.3 10.4 15.6

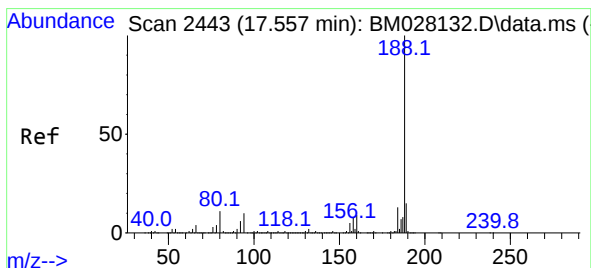
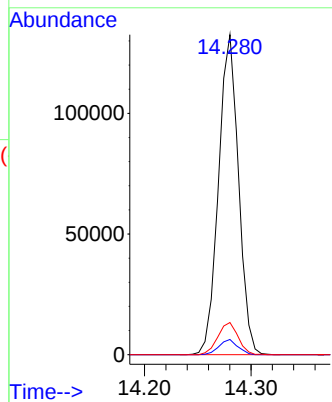
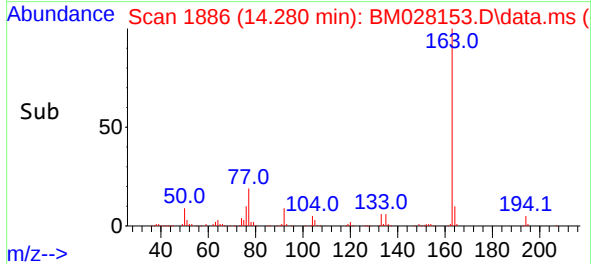




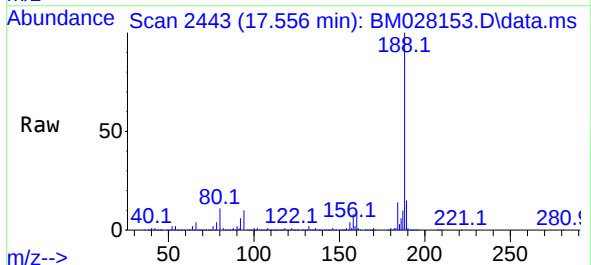
#50
Dimethylphthalate
Concen: 6.79 ng
RT: 14.280 min Scan# 1886
Delta R.T. -0.012 min
Lab File: BM028153.D
Acq: 17 Dec 2020 22:22



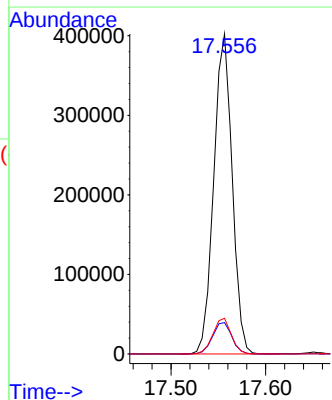
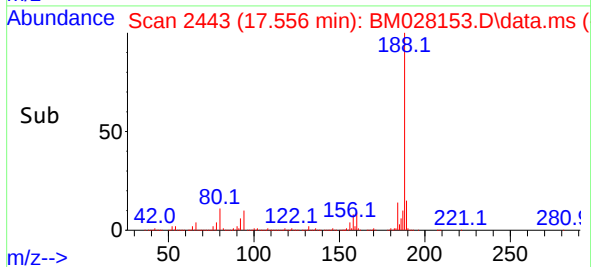
Tgt Ion:163 Resp: 172587
Ion Ratio Lower Upper
163 100
194 4.8 3.4 5.2
164 10.0 8.1 12.1



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.556 min Scan# 2443
Delta R.T. -0.000 min
Lab File: BM028153.D
Acq: 17 Dec 2020 22:22



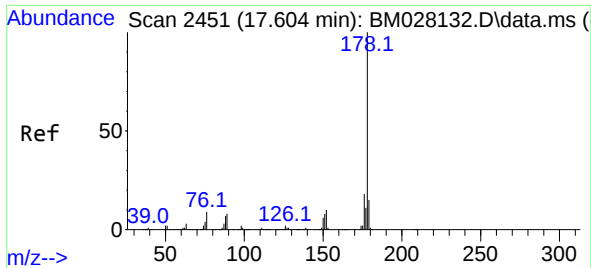
Tgt Ion:188 Resp: 542094
Ion Ratio Lower Upper
188 100
94 9.8 6.2 9.4#
80 11.2 7.5 11.3



Instrument :
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ClientSampled :
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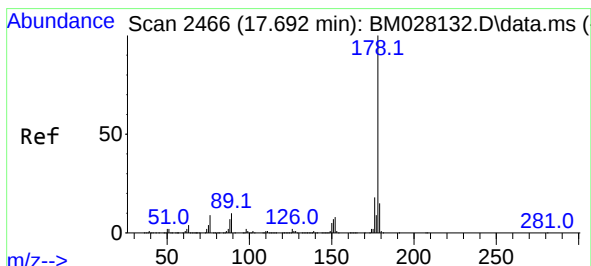
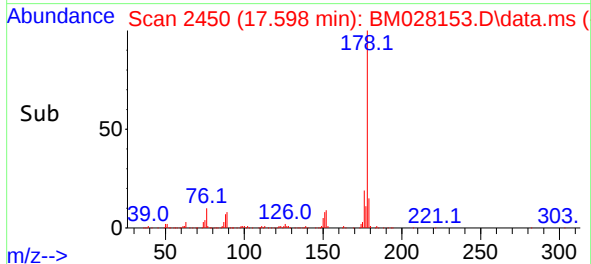
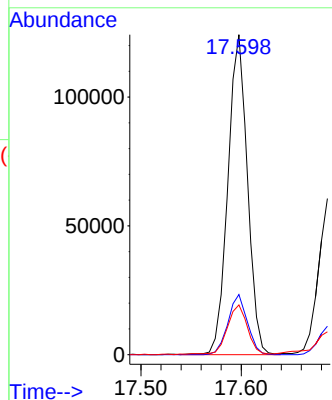
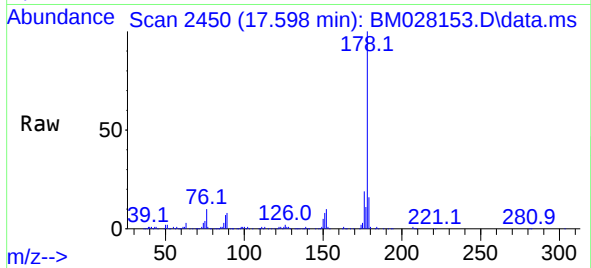
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Phenanthrene
Concen: 5.10 ng
RT: 17.598 min Scan# 2450
Delta R.T. -0.006 min
Lab File: BM028153.D
Acq: 17 Dec 2020 22:22

Tgt Ion:178 Resp: 167894
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 15.5 12.2 18.4

Instrument :
BNA_M
ClientSampled :
B-3

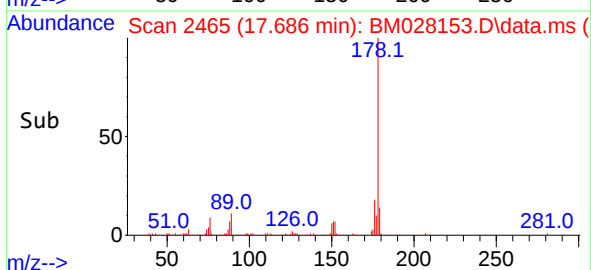
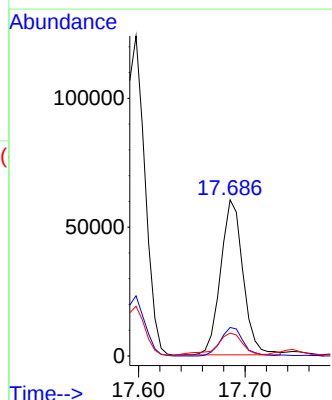
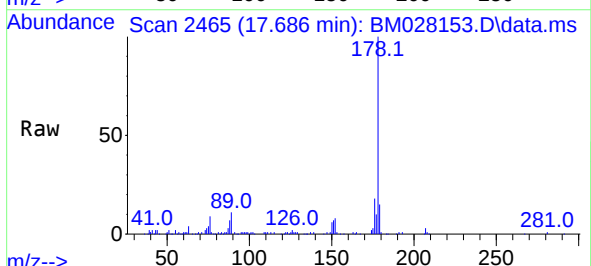
Manual Integrations
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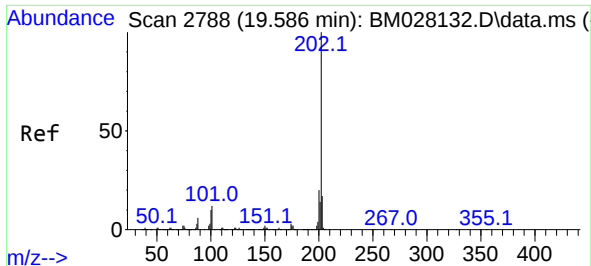
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#72
Anthracene
Concen: 2.77 ng
RT: 17.686 min Scan# 2465
Delta R.T. -0.006 min
Lab File: BM028153.D
Acq: 17 Dec 2020 22:22

Tgt Ion:178 Resp: 88048
Ion Ratio Lower Upper
178 100
176 18.2 15.0 22.4
179 14.7 12.5 18.7





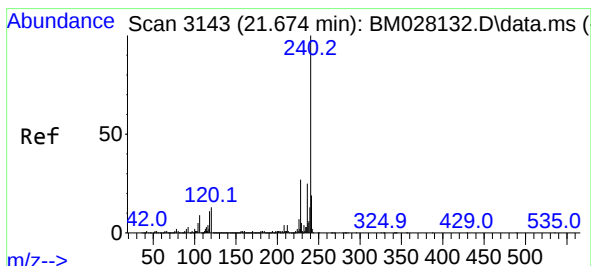
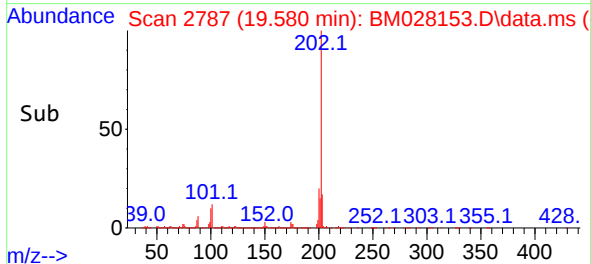
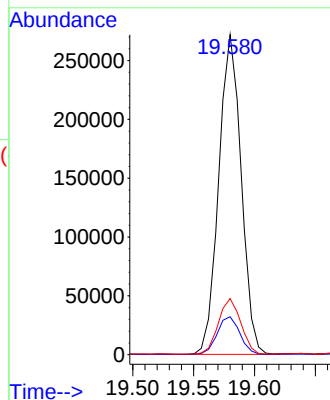
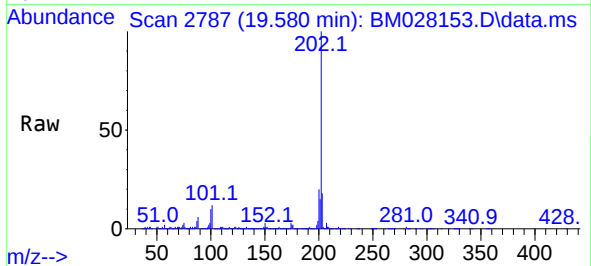
#75
Fluoranthene
Concen: 9.46 ng
RT: 19.580 min Scan# 2787
Delta R.T. -0.006 min
Lab File: BM028153.D
Acq: 17 Dec 2020 22:22

Tgt Ion:	202	Resp:	348841
Ion Ratio	Lower	Upper	
202	100		
101	11.8	0.0	28.5
203	17.5	0.0	37.3

Instrument :
BNA_M
ClientSampled :
B-3

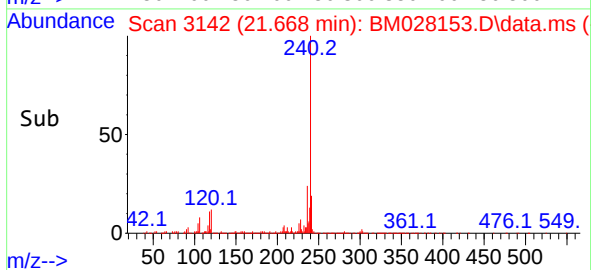
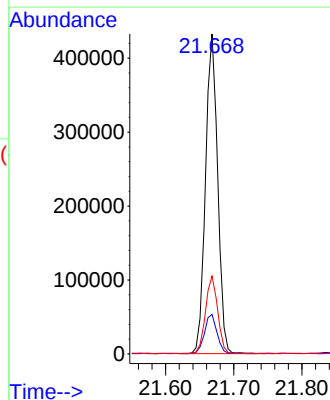
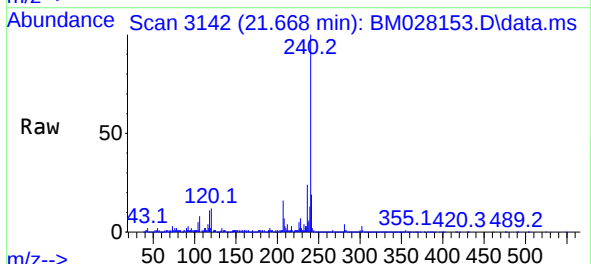
Manual Integrations
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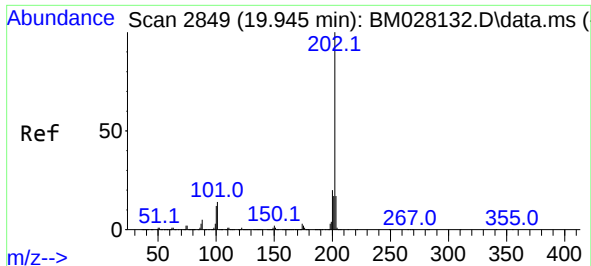
mohammad
12/18/2020 10:28:28 AM



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.668 min Scan# 3142
Delta R.T. -0.006 min
Lab File: BM028153.D
Acq: 17 Dec 2020 22:22

Tgt Ion:	240	Resp:	536674
Ion Ratio	Lower	Upper	
240	100		
120	12.4	6.4	9.6#
236	24.3	20.1	30.1





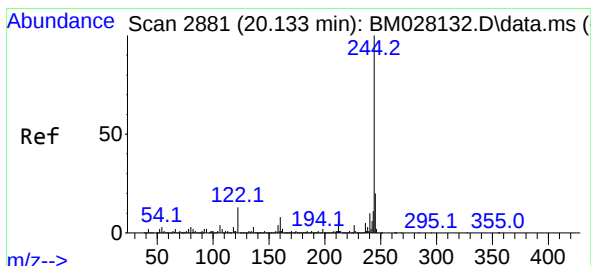
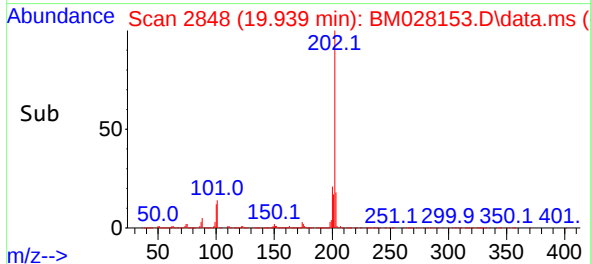
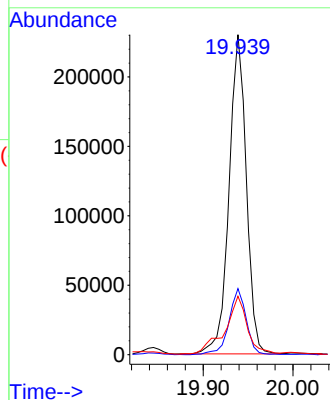
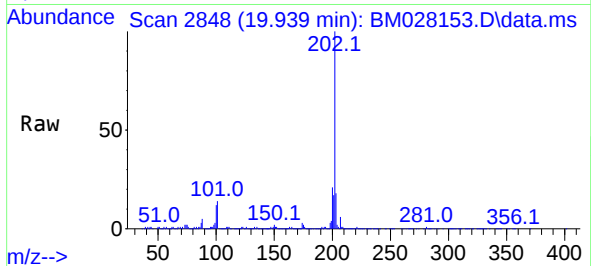
#78
Pyrene
Concen: 7.92 ng
RT: 19.939 min Scan# 2848
Delta R.T. -0.006 min
Lab File: BM028153.D
Acq: 17 Dec 2020 22:22

Tgt Ion:202 Resp: 307576
Ion Ratio Lower Upper
202 100
200 20.6 16.6 24.8
203 18.3 13.8 20.6

Instrument :
BNA_M
ClientSampled :
B-3

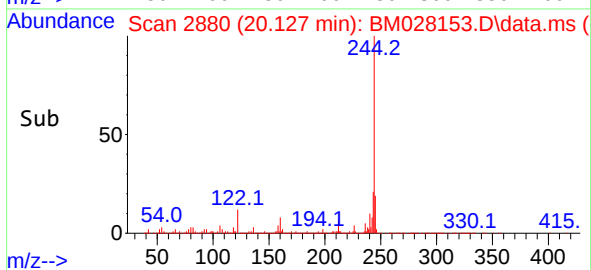
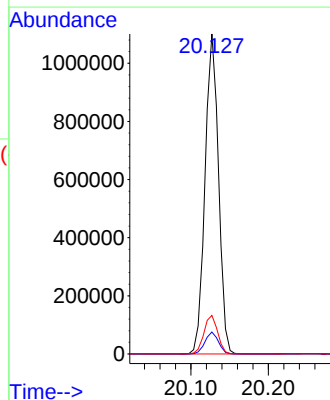
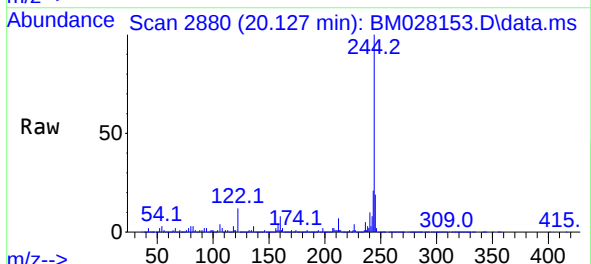
Manual Integrations
APPROVED

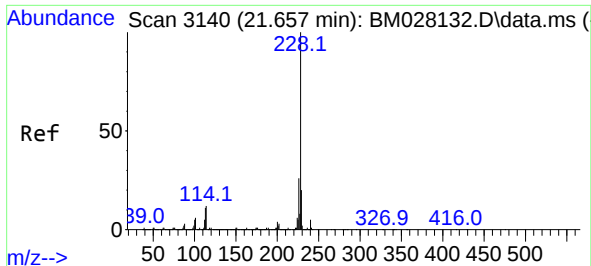
mohammad
12/18/2020 10:28:28 AM



#79
Terphenyl-d14
Concen: 44.90 ng
RT: 20.127 min Scan# 2880
Delta R.T. -0.006 min
Lab File: BM028153.D
Acq: 17 Dec 2020 22:22

Tgt Ion:244 Resp: 1328038
Ion Ratio Lower Upper
244 100
212 6.8 5.8 8.8
122 12.1 6.5 9.7#





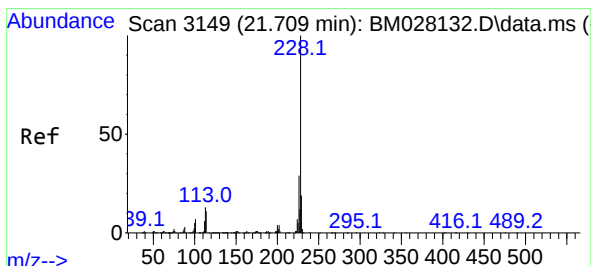
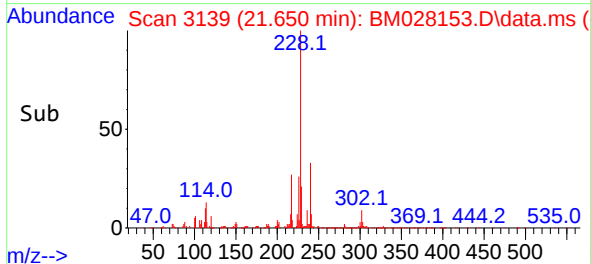
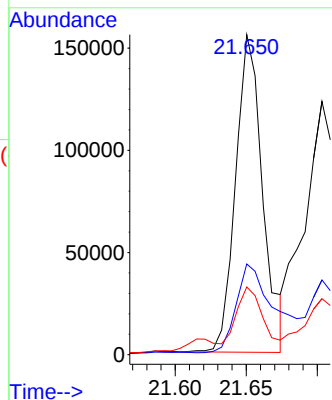
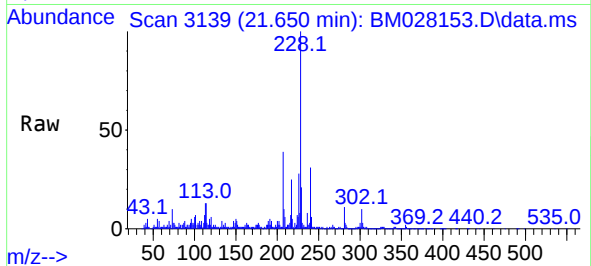
#81
Benzo(a)anthracene
Concen: 5.64 ng
RT: 21.650 min Scan# 3139
Delta R.T. -0.006 min
Lab File: BM028153.D
Acq: 17 Dec 2020 22:22

Tgt Ion:	228	Resp:	206286
Ion Ratio	Lower	Upper	
228	100		
226	28.3	21.1	31.7
229	21.2	15.7	23.5

Instrument :
BNA_M
ClientSampleId :
B-3

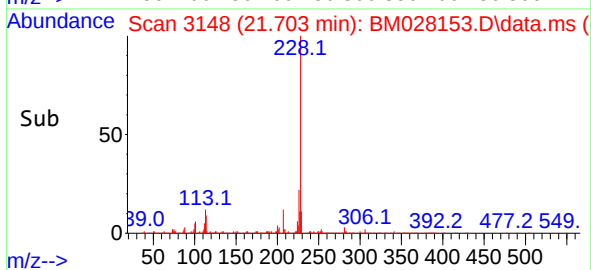
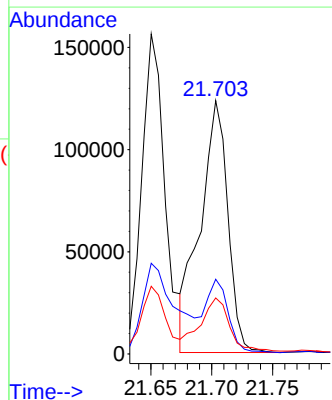
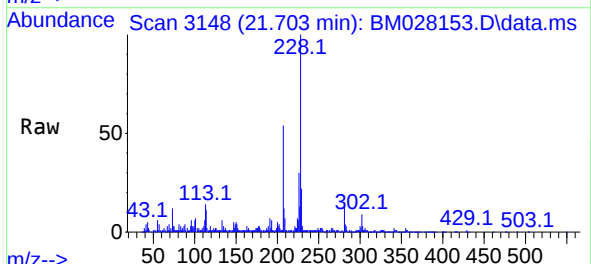
Manual Integrations
APPROVED

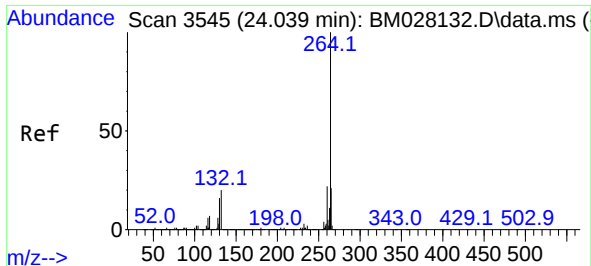
mohammad
12/18/2020 10:28:28 AM



#83
Chrysene
Concen: 5.53 ng
RT: 21.703 min Scan# 3148
Delta R.T. -0.006 min
Lab File: BM028153.D
Acq: 17 Dec 2020 22:22

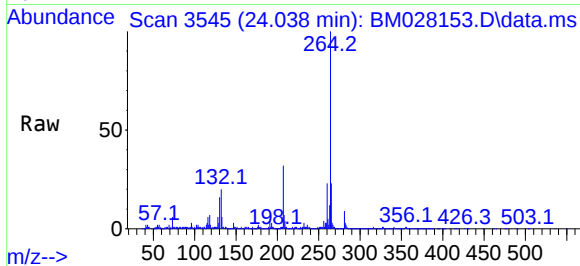
Tgt Ion:	228	Resp:	195884
Ion Ratio	Lower	Upper	
228	100		
226	29.5	23.4	35.0
229	22.1	15.7	23.5





#86
Perylene-d12
Concen: 20.00 ng
RT: 24.038 min Scan# 3545
Delta R.T. -0.000 min
Lab File: BM028153.D
Acq: 17 Dec 2020 22:22

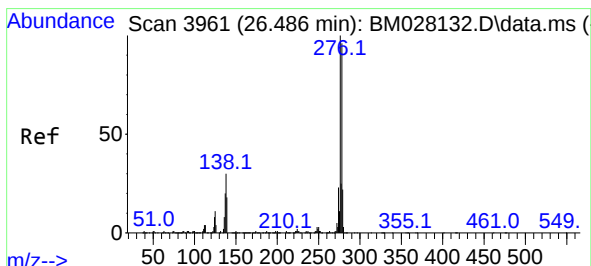
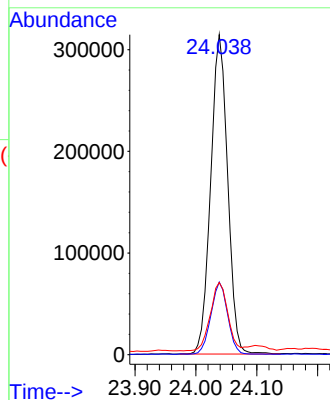
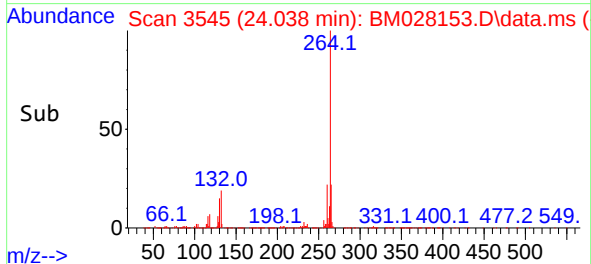
Instrument :
BNA_M
ClientSampled :
B-3



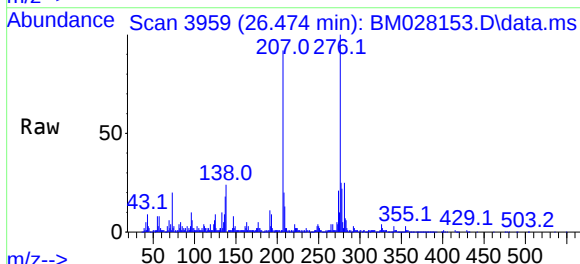
Tgt Ion:264 Resp: 608912
Ion Ratio Lower Upper
264 100
260 22.7 19.0 28.4
265 22.5 17.7 26.5

Manual Integrations
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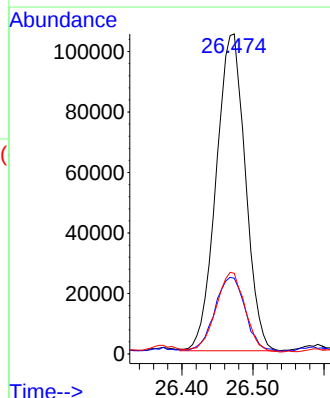
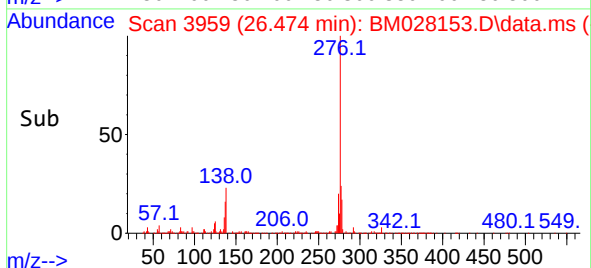
mohammad
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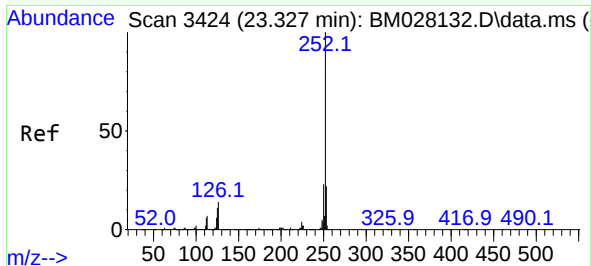


#87
Indeno(1,2,3-cd)pyrene
Concen: 7.38 ng
RT: 26.474 min Scan# 3959
Delta R.T. -0.012 min
Lab File: BM028153.D
Acq: 17 Dec 2020 22:22



Tgt Ion:276 Resp: 298684
Ion Ratio Lower Upper
276 100
138 24.5 14.2 21.4#
277 25.4 19.8 29.8





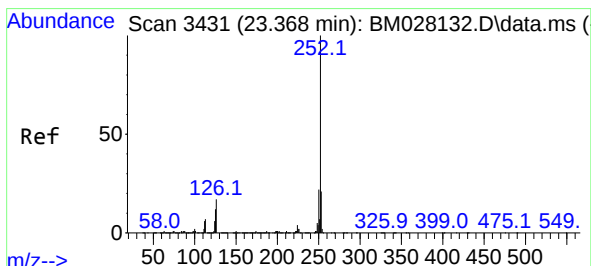
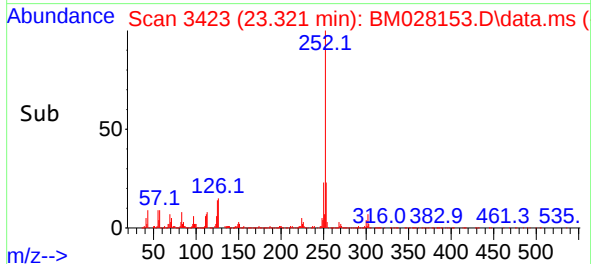
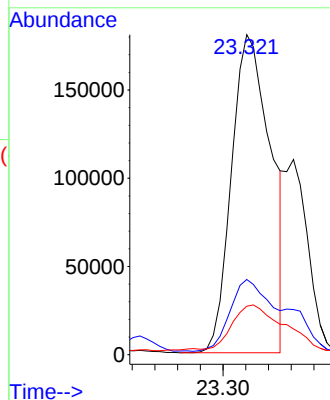
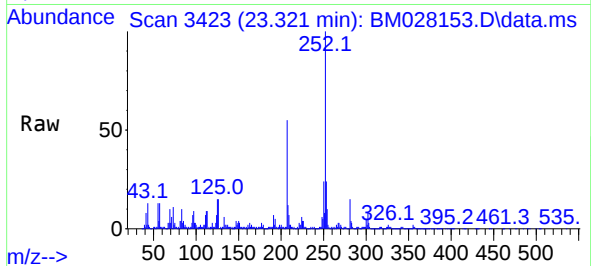
#88
Benzo(b)fluoranthene
Concen: 10.46 ng m
RT: 23.321 min Scan# 3423
Delta R.T. -0.006 min
Lab File: BM028153.D
Acq: 17 Dec 2020 22:22

Tgt Ion:252 Resp: 433706
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.0
125 15.1 5.7 8.5#

Instrument :
BNA_M
ClientSampled :
B-3

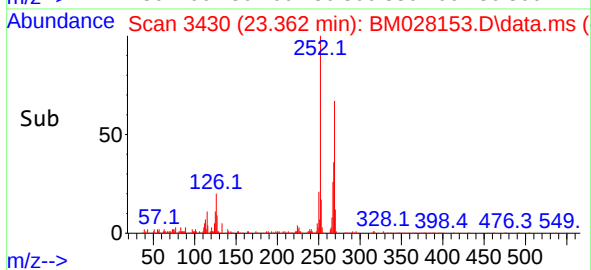
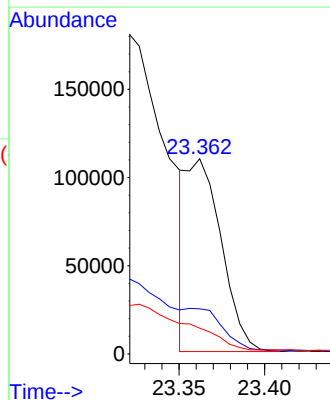
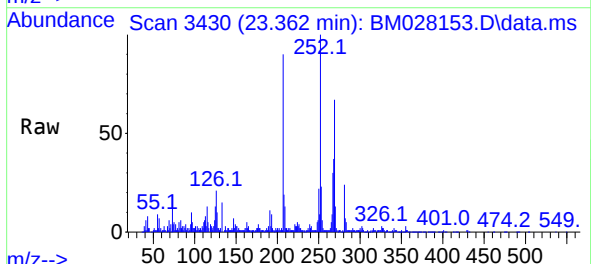
Manual Integrations
APPROVED

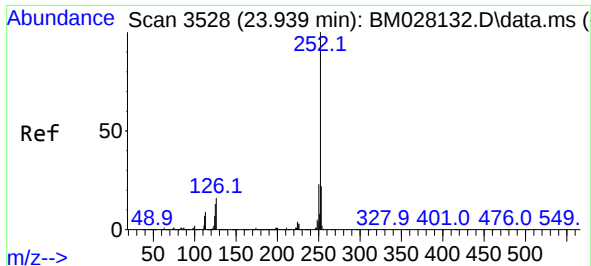
mohammad
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#89
Benzo(k)fluoranthene
Concen: 3.81 ng m
RT: 23.362 min Scan# 3430
Delta R.T. -0.006 min
Lab File: BM028153.D
Acq: 17 Dec 2020 22:22

Tgt Ion:252 Resp: 153404
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 13.2 5.6 8.4#





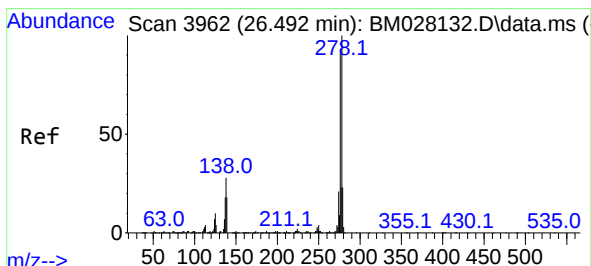
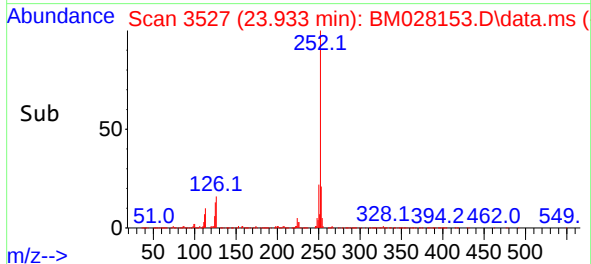
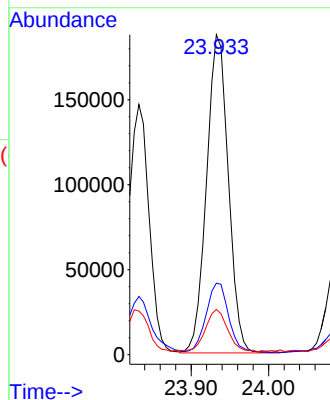
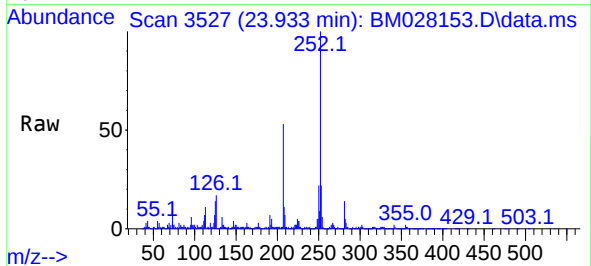
#90
Benzo(a)pyrene
Concen: 9.84 ng
RT: 23.933 min Scan# 3527
Delta R.T. -0.006 min
Lab File: BM028153.D
Acq: 17 Dec 2020 22:22

Tgt Ion:252 Resp: 366354
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.2
125 14.2 6.6 9.8#

Instrument :
BNA_M
ClientSampled :
B-3

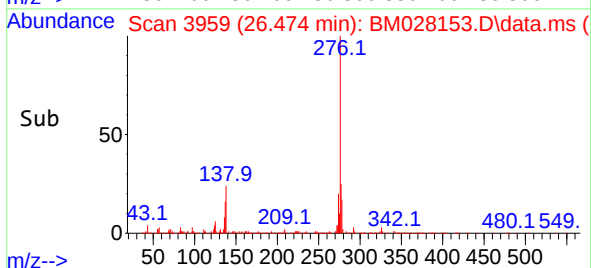
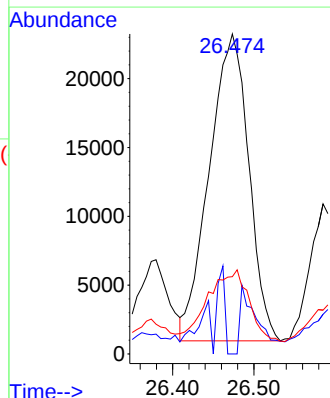
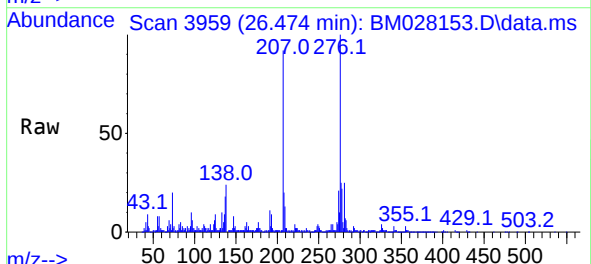
Manual Integrations
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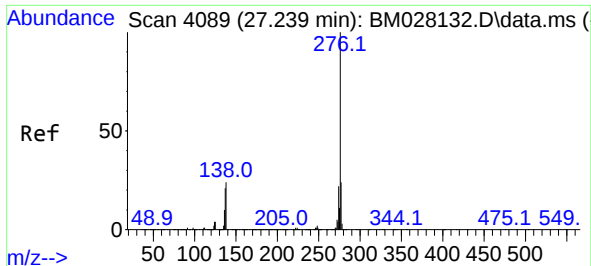
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 2.23 ng
RT: 26.474 min Scan# 3959
Delta R.T. -0.018 min
Lab File: BM028153.D
Acq: 17 Dec 2020 22:22

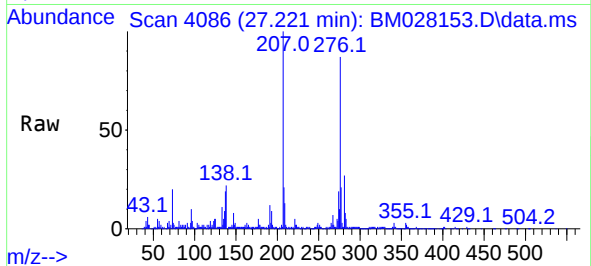
Tgt Ion:278 Resp: 75374
Ion Ratio Lower Upper
278 100
139 0.0 9.0 13.6#
279 24.1 19.0 28.4





#92
Benzo(g,h,i)perylene
Concen: 8.62 ng
RT: 27.221 min Scan# 4086
Delta R.T. -0.018 min
Lab File: BM028153.D
Acq: 17 Dec 2020 22:22

Instrument :
BNA_M
ClientSampled :
B-3



Tgt Ion: 276 Resp: 278155
Ion Ratio Lower Upper
276 100
277 24.3 18.6 28.0
138 25.3 12.2 18.2#

Manual Integrations
APPROVED

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

