

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121720\
 Data File : BM028152.D
 Acq On : 17 Dec 2020 21:46
 Operator : JU/CG
 Sample : L5036-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-2

Manual Integrations
 APPROVED

mohammad
 12/18/2020 10:28:25 AM

Quant Time: Dec 18 00:22:24 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	140953	20.00	ng	0.00
21) Naphthalene-d8	11.040	136	605961	20.00	ng	# 0.00
39) Acenaphthene-d10	14.833	164	375731	20.00	ng	-0.01
64) Phenanthrene-d10	17.557	188	824861	20.00	ng	# 0.00
76) Chrysene-d12	21.668	240	670010	20.00	ng	# 0.00
86) Perylene-d12	24.039	264	613166	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.705	112	889677	104.01	ng	0.00
7) Phenol-d6	7.351	99	1223697	100.19	ng	0.00
23) Nitrobenzene-d5	9.387	82	751392	61.53	ng	-0.01
42) 2,4,6-Tribromophenol	16.310	330	512873	102.83	ng	0.00
45) 2-Fluorobiphenyl	13.469	172	1724009	59.65	ng	0.00
79) Terphenyl-d14	20.127	244	2369160	64.16	ng	0.00
Target Compounds						Qvalue
38) 1-Methylnaphthalene	12.898	142	83819	3.65	ng	100
50) Dimethylphthalate	14.280	163	213216	6.84	ng	99
52) Acenaphthene	14.898	154	235658	9.08	ng	97
55) Dibenzofuran	15.227	168	107968	2.92	ng	# 96
58) Fluorene	15.874	166	242502	8.01	ng	98
71) Phenanthrene	17.604	178	4196898	83.78	ng	100
72) Anthracene	17.686	178	879461	18.16	ng	99
73) Carbazole	17.951	167	266063	5.82	ng	98
75) Fluoranthene	19.586	202	4362840	77.78	ng	95
78) Pyrene	19.945	202	4328951	89.24	ng	99
81) Benzo(a)anthracene	21.656	228	1876187	41.11	ng	99
83) Chrysene	21.709	228	1675459	37.91	ng	98
87) Indeno(1,2,3-cd)pyrene	26.474	276	681570m	16.72	ng	
88) Benzo(b)fluoranthene	23.327	252	1541254m	36.90	ng	
89) Benzo(k)fluoranthene	23.362	252	440345m	10.85	ng	
90) Benzo(a)pyrene	23.939	252	1119955	29.87	ng	# 96
91) Dibenzo(a,h)anthracene	26.474	278	191547	5.63	ng	# 87
92) Benzo(g,h,i)perylene	27.227	276	677384	20.85	ng	# 90

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

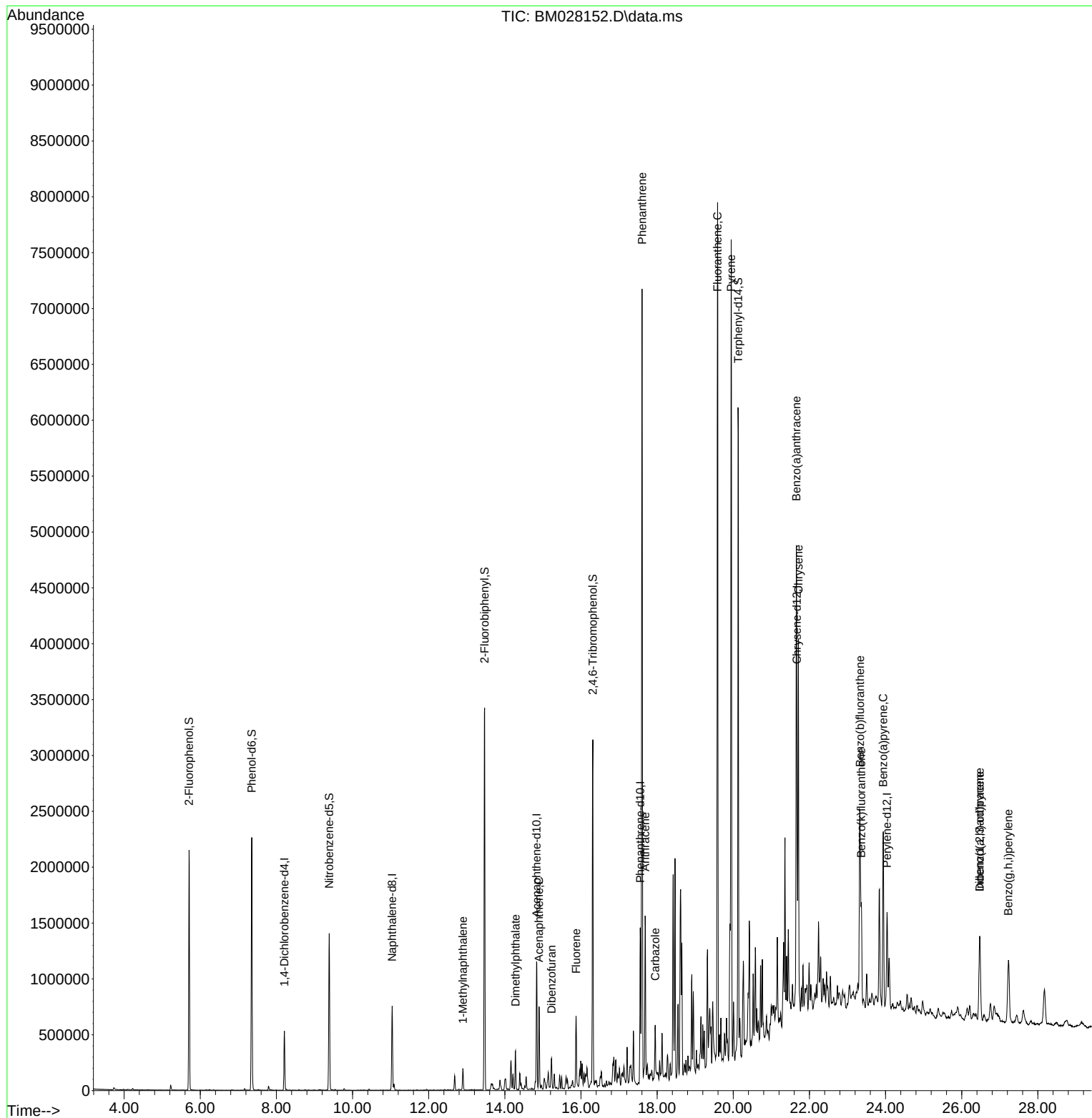
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121720\
Data File : BM028152.D
Acq On : 17 Dec 2020 21:46
Operator : JU/CG
Sample : L5036-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

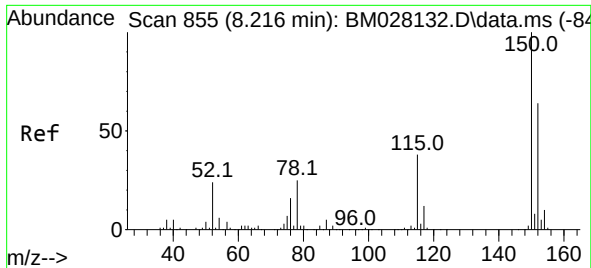
Instrument :
BNA_M
ClientSampleId :
B-2

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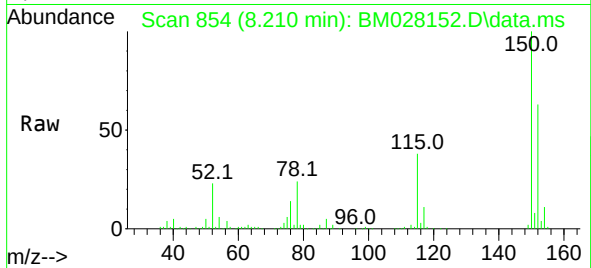
mohammad
12/18/2020 10:28:25 AM

Quant Time: Dec 18 00:22:24 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

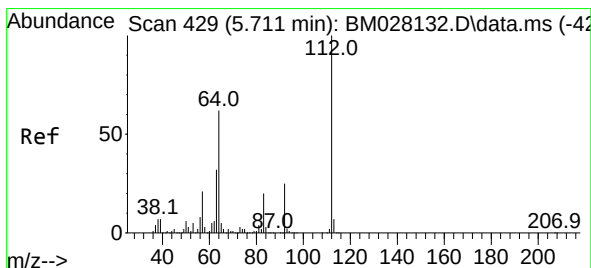
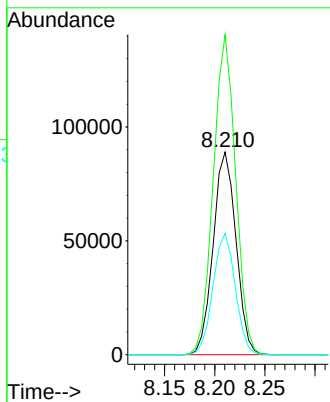
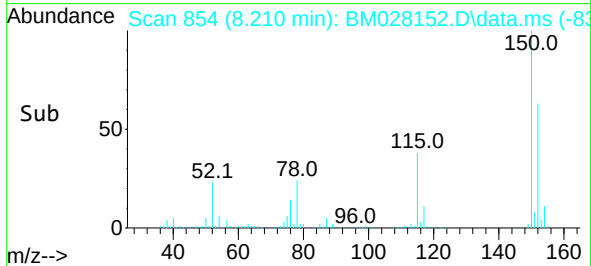




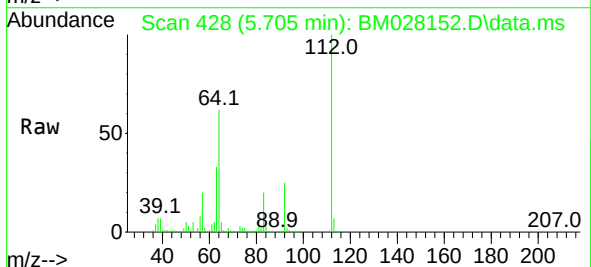
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.210 min Scan# 854
Delta R.T. -0.006 min
Lab File: BM028152.D
Acq: 17 Dec 2020 21:46



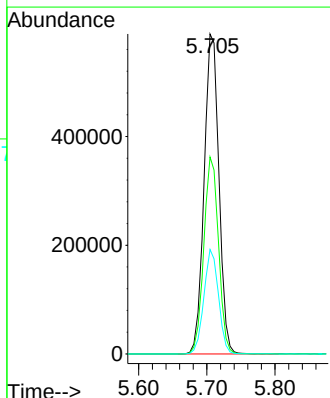
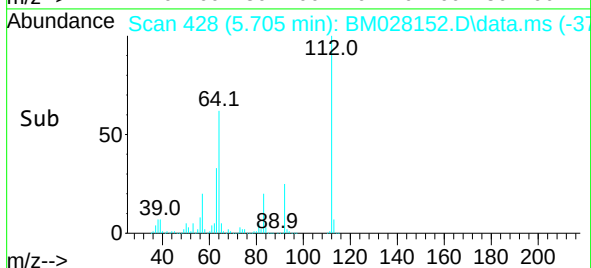
Tgt Ion:152 Resp: 140953
Ion Ratio Lower Upper
152 100
150 158.0 120.6 181.0
115 59.9 47.2 70.8



#5
2-Fluorophenol
Concen: 104.01 ng
RT: 5.705 min Scan# 428
Delta R.T. -0.006 min
Lab File: BM028152.D
Acq: 17 Dec 2020 21:46



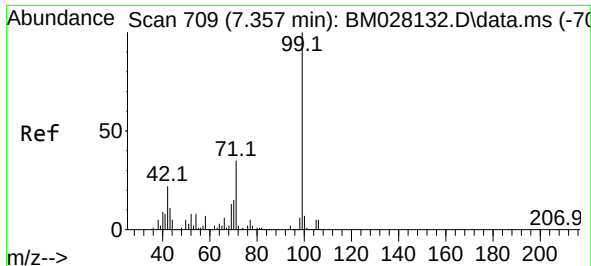
Tgt Ion:112 Resp: 889677
Ion Ratio Lower Upper
112 100
64 61.6 50.6 76.0
63 32.6 31.0 46.6



Instrument :
BNA_M
ClientSampled :
B-2

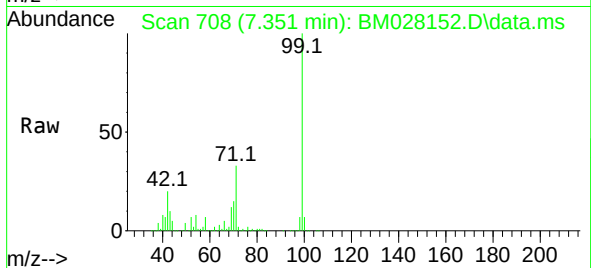
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#7
Phenol-d6
Concen: 100.19 ng
RT: 7.351 min Scan# 708
Delta R.T. -0.006 min
Lab File: BM028152.D
Acq: 17 Dec 2020 21:46

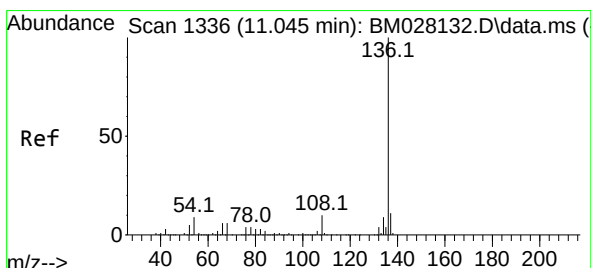
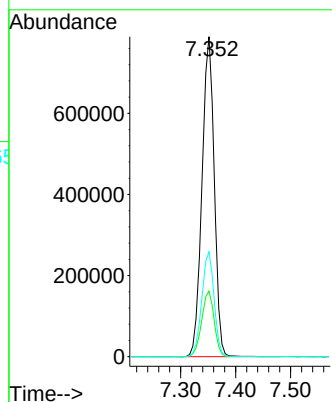
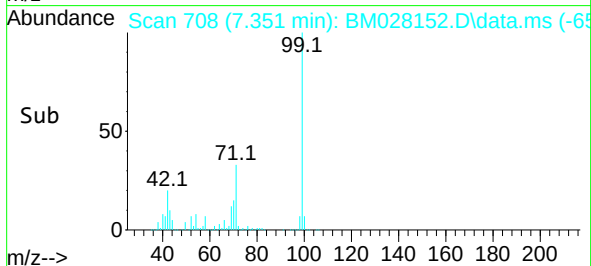
Instrument :
BNA_M
ClientSampled :
B-2



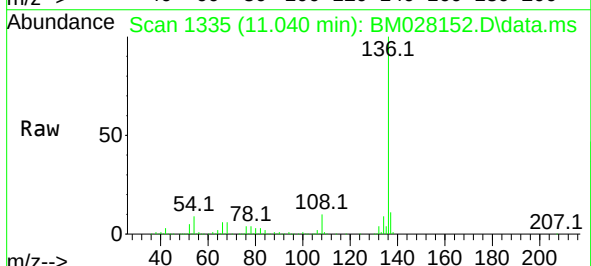
Tgt Ion: 99 Resp: 1223697
Ion Ratio Lower Upper
99 100
42 20.5 13.5 20.3#
71 32.8 39.4 59.0#

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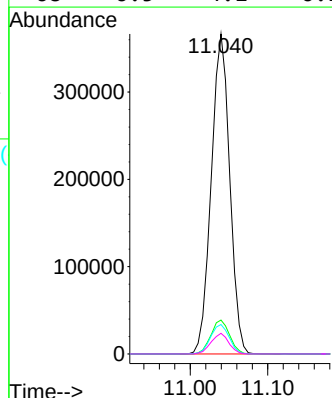
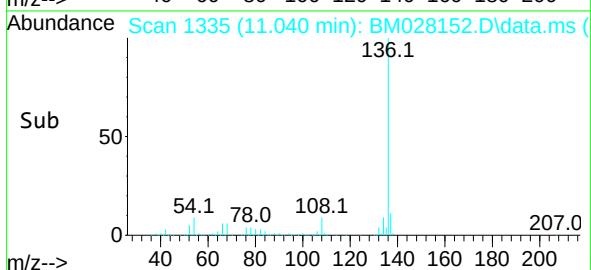
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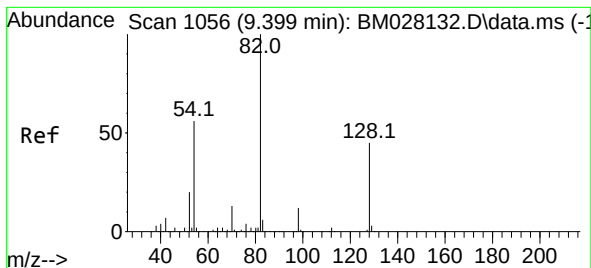


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.040 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BM028152.D
Acq: 17 Dec 2020 21:46



Tgt Ion: 136 Resp: 605961
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 9.2 4.6 7.0#
68 6.5 4.1 6.1#





#23

Nitrobenzene-d5

Concen: 61.53 ng

RT: 9.387 min Scan# 1054

Delta R.T. -0.012 min

Lab File: BM028152.D

Acq: 17 Dec 2020 21:46

Tgt Ion:	82	Resp:	751392
Ion	Ratio	Lower	Upper
82	100		
128	44.0	27.4	41.0#
54	55.6	31.4	47.0#

Instrument :

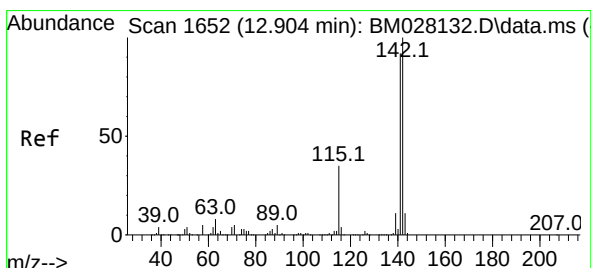
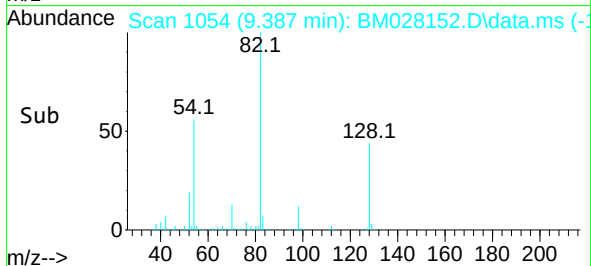
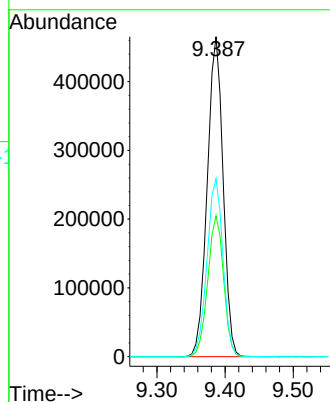
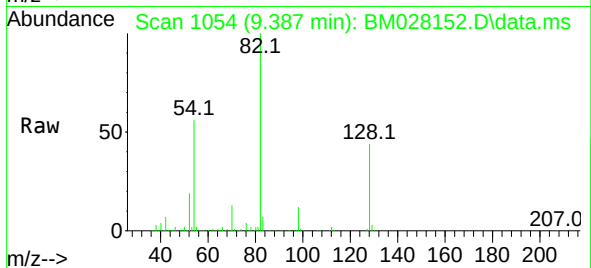
BNA_M

ClientSampleId :

B-2

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#38

1-Methylnaphthalene

Concen: 3.65 ng

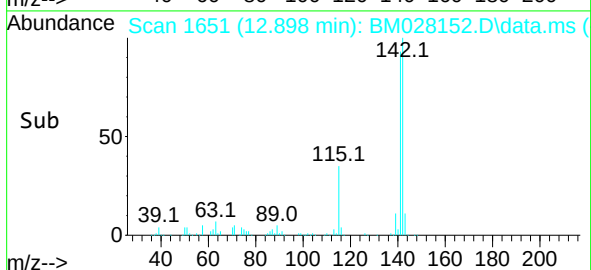
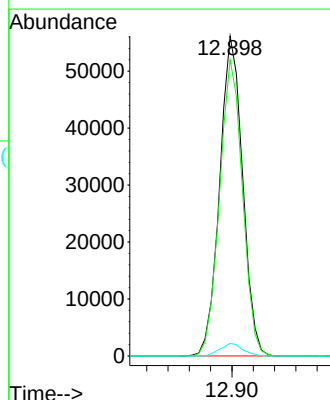
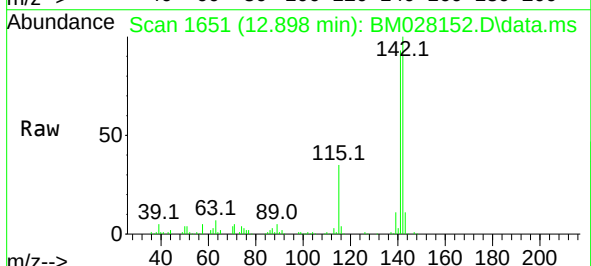
RT: 12.898 min Scan# 1651

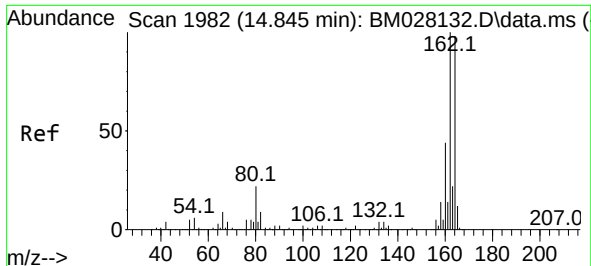
Delta R.T. -0.006 min

Lab File: BM028152.D

Acq: 17 Dec 2020 21:46

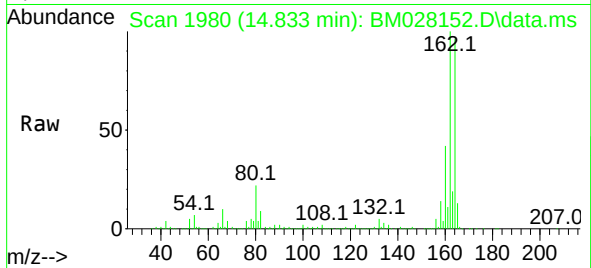
Tgt Ion:	142	Resp:	83819
Ion	Ratio	Lower	Upper
142	100		
141	92.6	73.8	110.6
116	4.0	3.5	5.3





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.833 min Scan# 1980
Delta R.T. -0.012 min
Lab File: BM028152.D
Acq: 17 Dec 2020 21:46

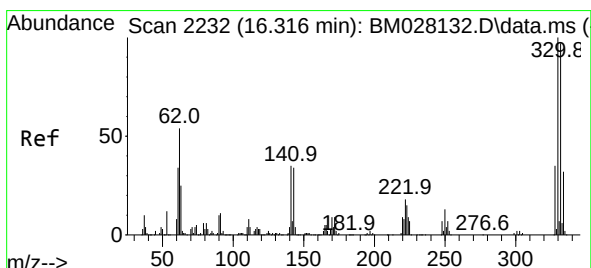
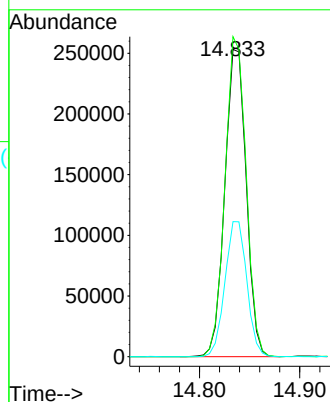
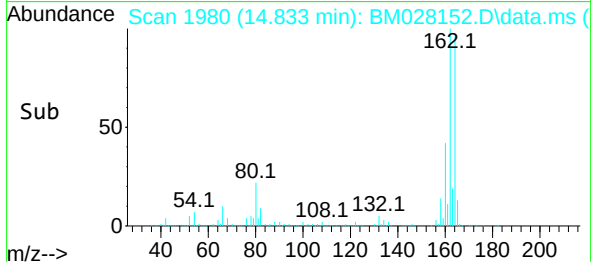
Instrument :
BNA_M
ClientSampled :
B-2



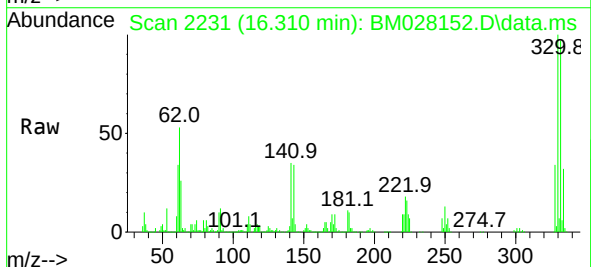
Tgt Ion:164 Resp: 375731
Ion Ratio Lower Upper
164 100
162 104.2 80.4 120.6
160 44.0 35.9 53.9

Manual Integrations
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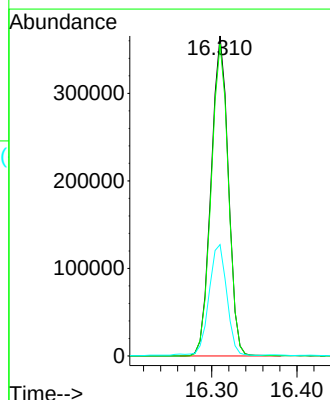
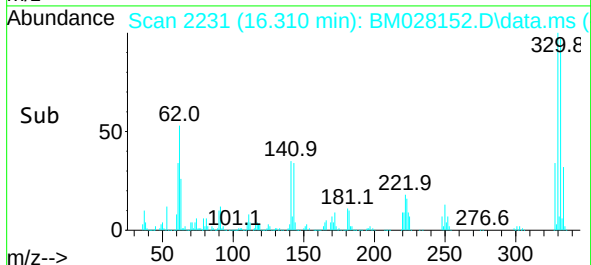
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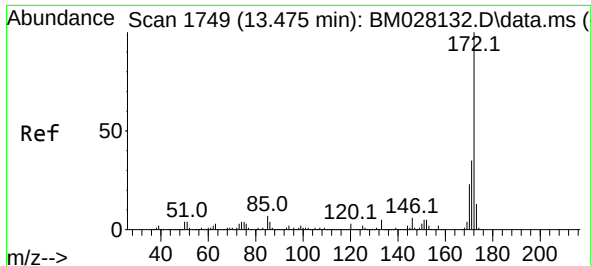


#42
2,4,6-Tribromophenol
Concen: 102.83 ng
RT: 16.310 min Scan# 2231
Delta R.T. -0.006 min
Lab File: BM028152.D
Acq: 17 Dec 2020 21:46

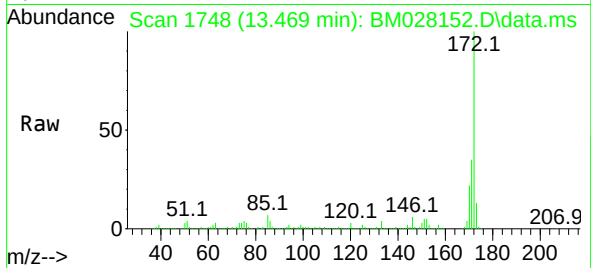


Tgt Ion:330 Resp: 512873
Ion Ratio Lower Upper
330 100
332 97.3 77.8 116.8
141 36.3 28.4 42.6

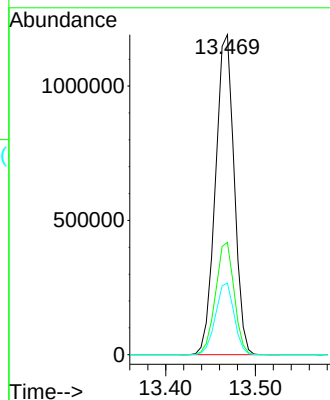
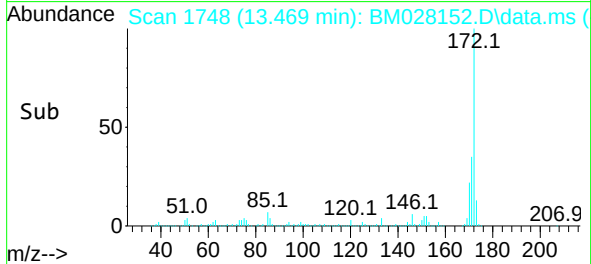




#45
2-Fluorobiphenyl
Concen: 59.65 ng
RT: 13.469 min Scan# 1748
Delta R.T. -0.006 min
Lab File: BM028152.D
Acq: 17 Dec 2020 21:46



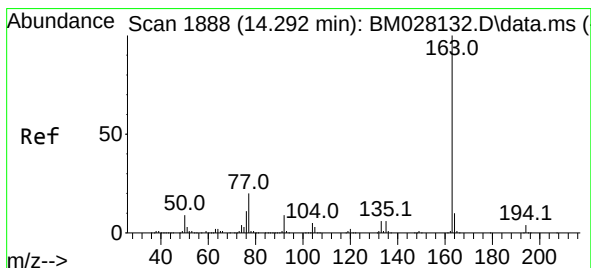
Tgt Ion:172 Resp: 1724009
Ion Ratio Lower Upper
172 100
171 35.1 27.8 41.8
170 22.4 18.6 27.8



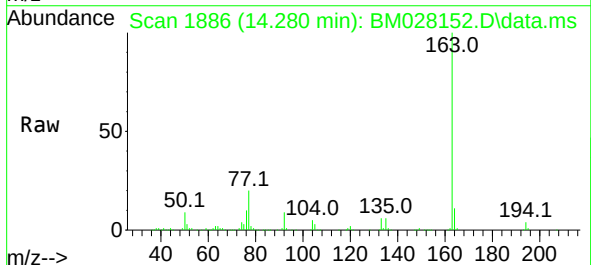
Instrument :
BNA_M
ClientSampled :
B-2

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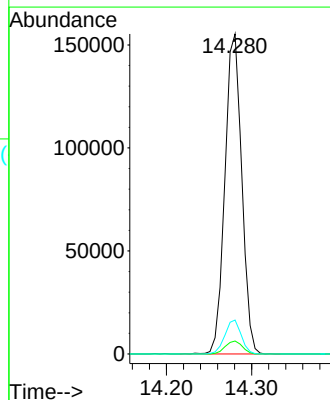
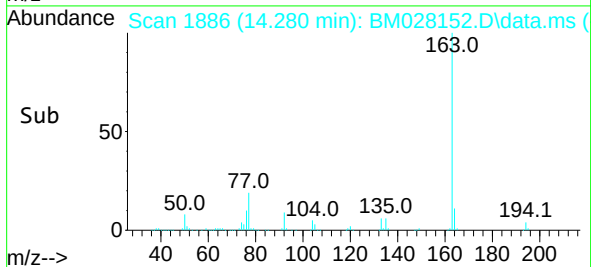
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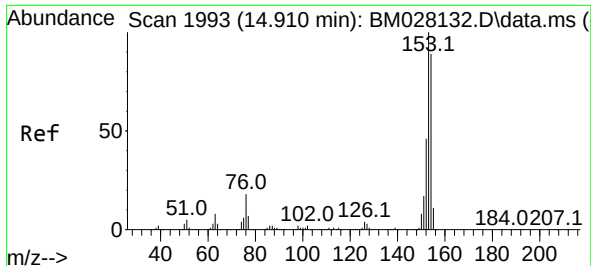


#50
Dimethylphthalate
Concen: 6.84 ng
RT: 14.280 min Scan# 1886
Delta R.T. -0.012 min
Lab File: BM028152.D
Acq: 17 Dec 2020 21:46



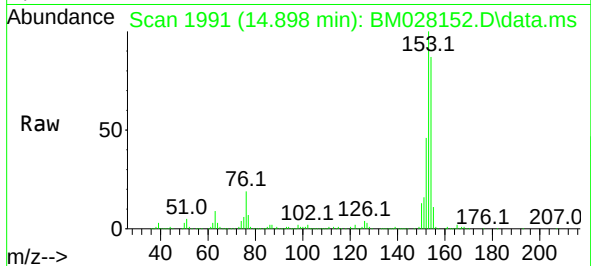
Tgt Ion:163 Resp: 213216
Ion Ratio Lower Upper
163 100
194 4.0 3.4 5.2
164 10.6 8.1 12.1





#52
Acenaphthene
Concen: 9.08 ng
RT: 14.898 min Scan# 1991
Delta R.T. -0.012 min
Lab File: BM028152.D
Acq: 17 Dec 2020 21:46

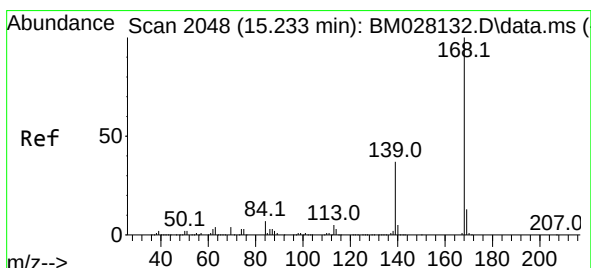
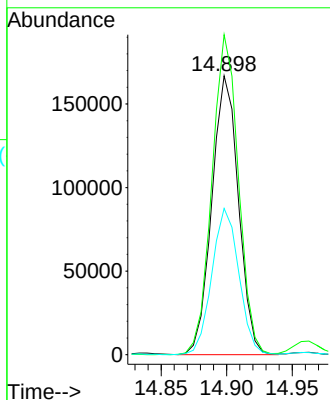
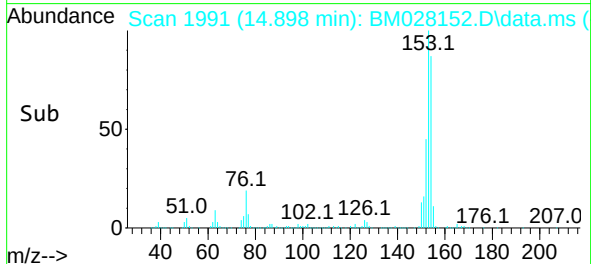
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BNA_M
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B-2



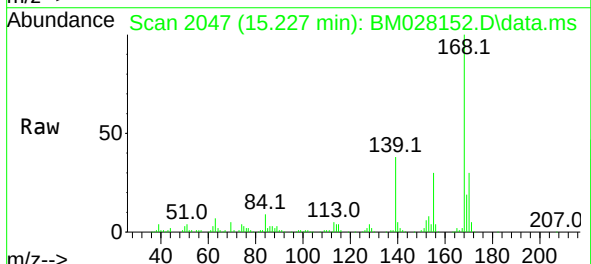
Tgt Ion:154 Resp: 235658
Ion Ratio Lower Upper
154 100
153 114.7 88.3 132.5
152 52.4 41.4 62.2

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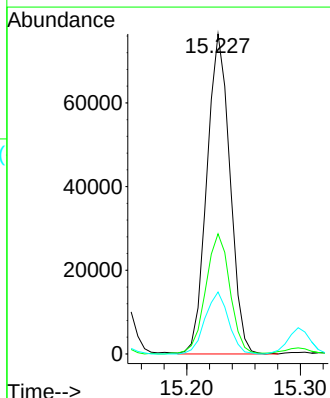
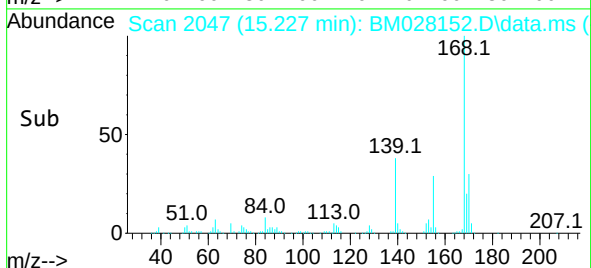
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12/18/2020 10:28:25 AM

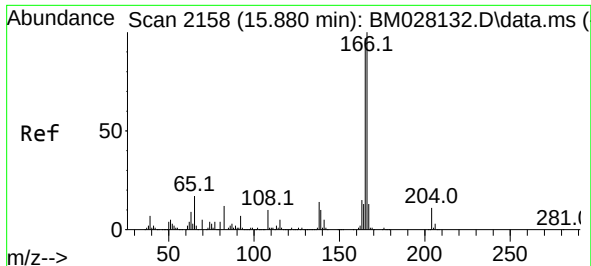


#55
Dibenzofuran
Concen: 2.92 ng
RT: 15.227 min Scan# 2047
Delta R.T. -0.006 min
Lab File: BM028152.D
Acq: 17 Dec 2020 21:46



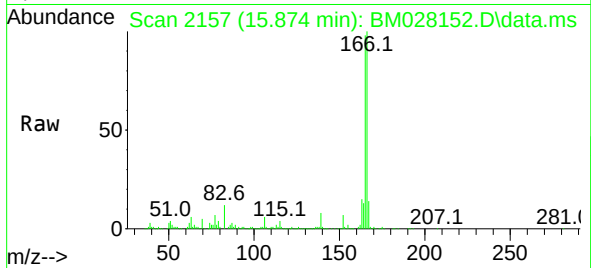
Tgt Ion:168 Resp: 107968
Ion Ratio Lower Upper
168 100
139 37.5 30.2 45.4
169 19.4 10.6 16.0#





#58
Fluorene
Concen: 8.01 ng
RT: 15.874 min Scan# 2157
Delta R.T. -0.006 min
Lab File: BM028152.D
Acq: 17 Dec 2020 21:46

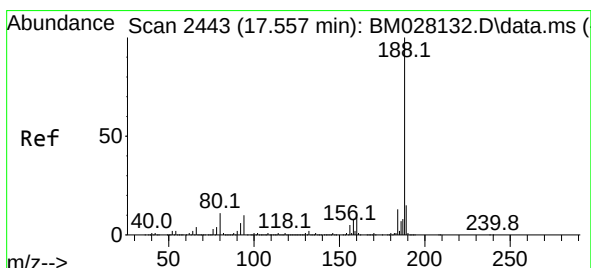
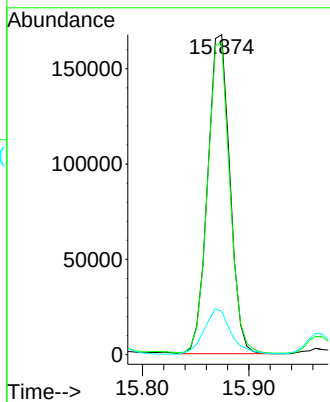
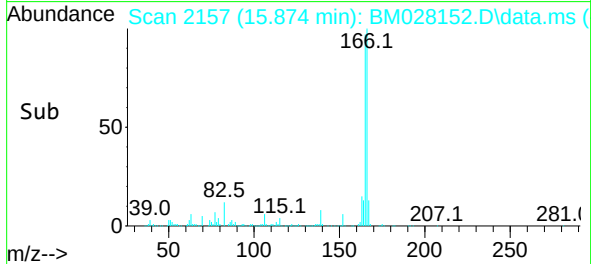
Instrument :
BNA_M
ClientSampled :
B-2



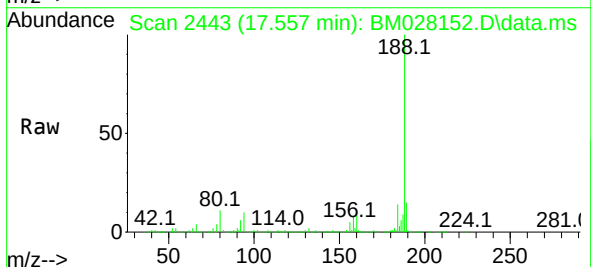
Tgt Ion:166 Resp: 242502
Ion Ratio Lower Upper
166 100
165 97.6 76.2 114.2
167 13.5 10.7 16.1

Manual Integrations
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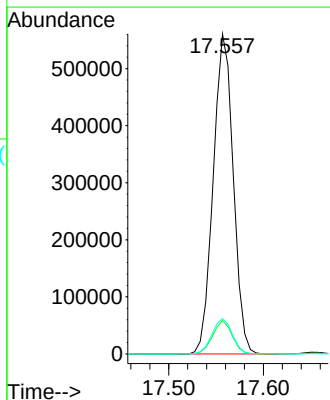
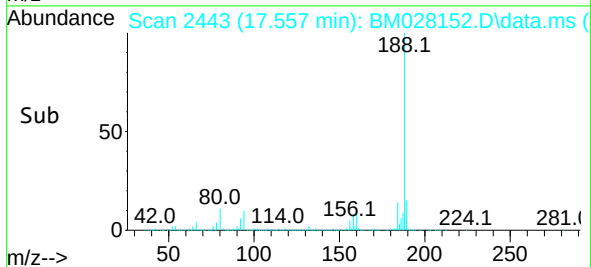
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12/18/2020 10:28:25 AM

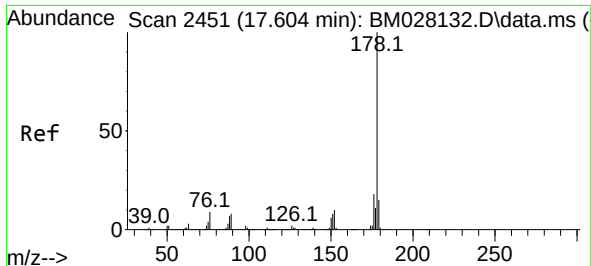


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.557 min Scan# 2443
Delta R.T. -0.000 min
Lab File: BM028152.D
Acq: 17 Dec 2020 21:46

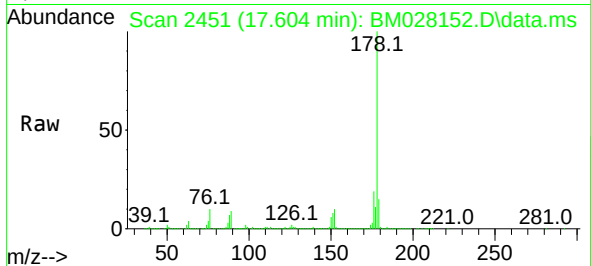


Tgt Ion:188 Resp: 824861
Ion Ratio Lower Upper
188 100
94 10.4 6.2 9.4#
80 11.1 7.5 11.3



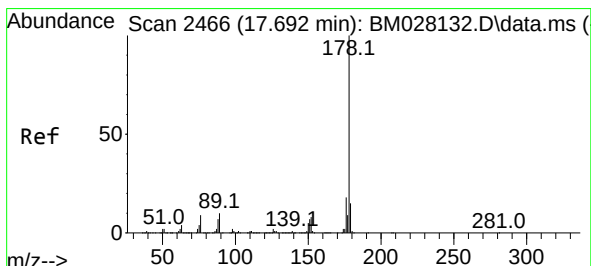
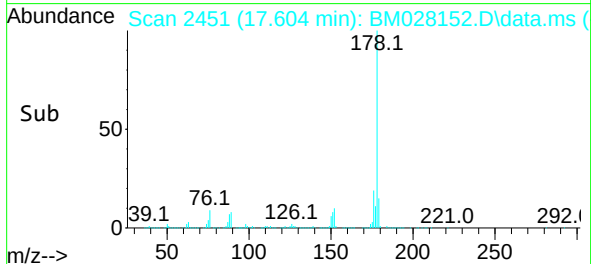
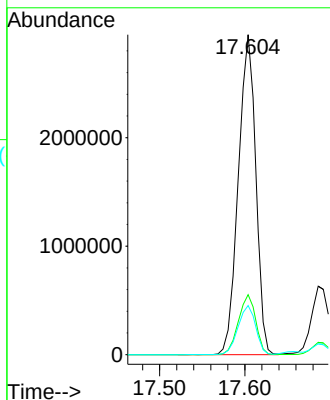


#71
Phenanthrene
Concen: 83.78 ng
RT: 17.604 min Scan# 2451
Delta R.T. -0.000 min
Lab File: BM028152.D
Acq: 17 Dec 2020 21:46

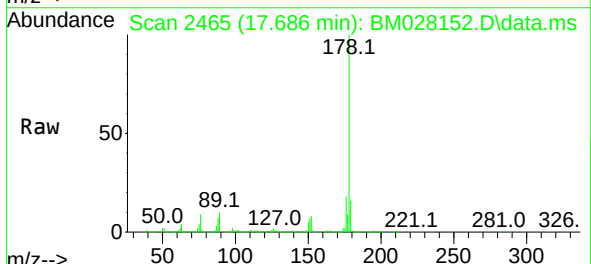


Tgt Ion:178 Resp: 4196898

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	15.4	12.2	18.4

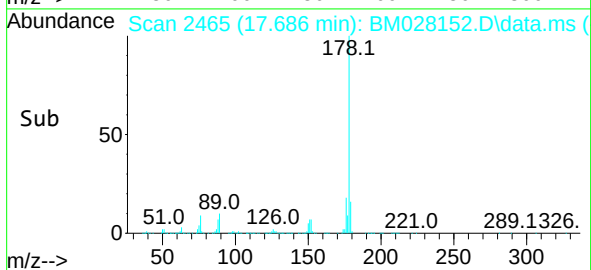
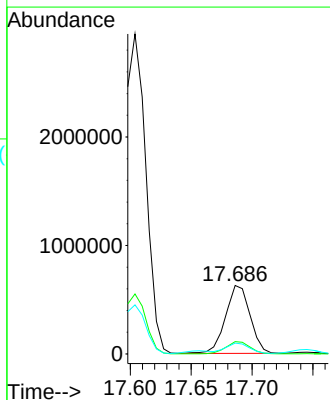


#72
Anthracene
Concen: 18.16 ng
RT: 17.686 min Scan# 2465
Delta R.T. -0.006 min
Lab File: BM028152.D
Acq: 17 Dec 2020 21:46



Tgt Ion:178 Resp: 879461

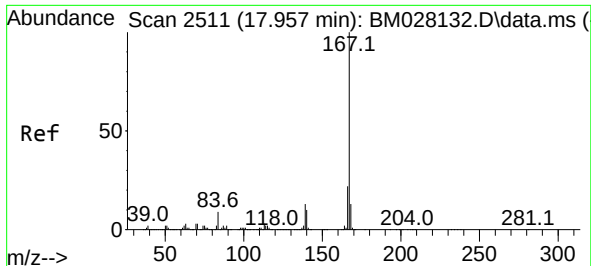
Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.0	22.4
179	15.8	12.5	18.7



Instrument :
BNA_M
ClientSampled :
B-2

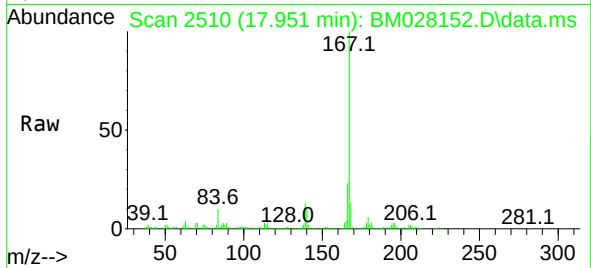
Manual Integrations
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#73
 Carbazole
 Concen: 5.82 ng
 RT: 17.951 min Scan# 2510
 Delta R.T. -0.006 min
 Lab File: BM028152.D
 Acq: 17 Dec 2020 21:46

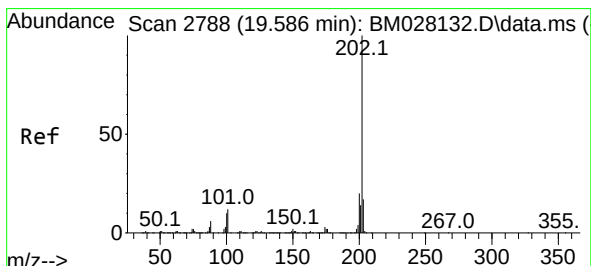
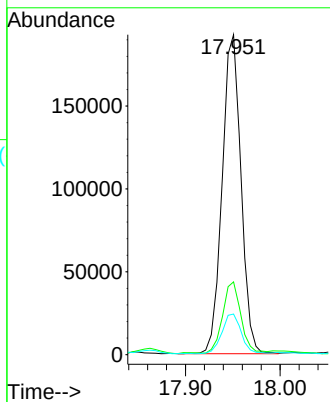
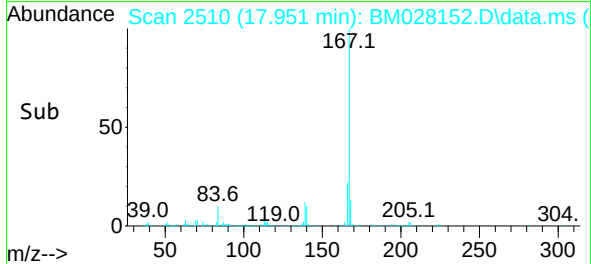
Instrument :
 BNA_M
 ClientSampled :
 B-2



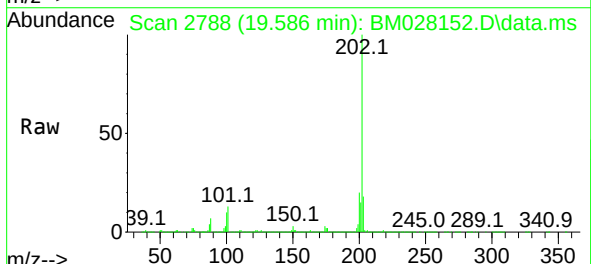
Tgt Ion:167 Resp: 266063
 Ion Ratio Lower Upper
 167 100
 166 22.7 16.9 25.3
 139 12.7 9.9 14.9

Manual Integrations
 APPROVED

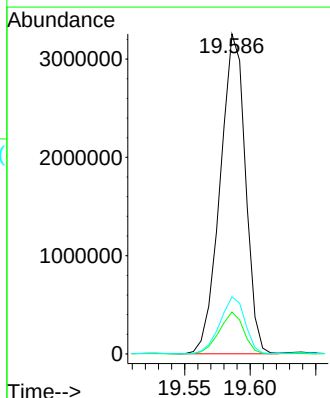
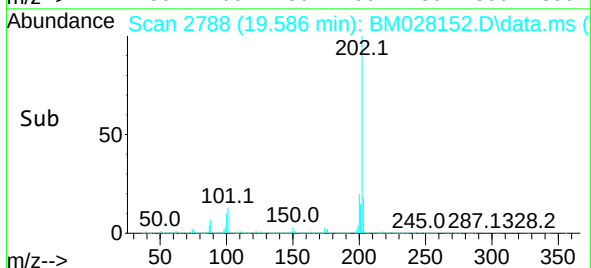
mohammad
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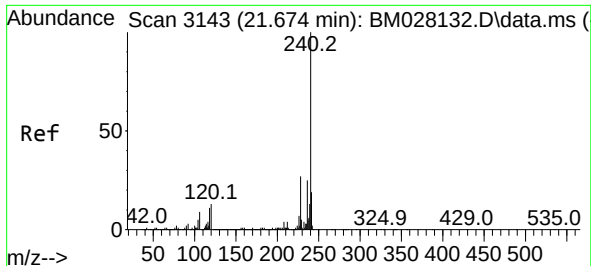


#75
 Fluoranthene
 Concen: 77.78 ng
 RT: 19.586 min Scan# 2788
 Delta R.T. -0.000 min
 Lab File: BM028152.D
 Acq: 17 Dec 2020 21:46



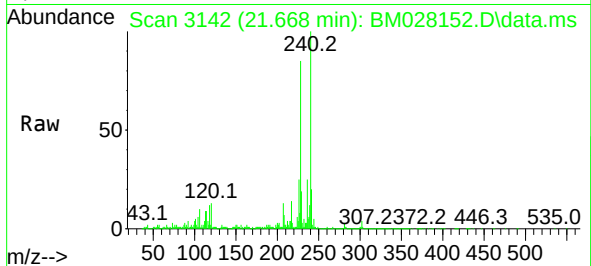
Tgt Ion:202 Resp: 4362840
 Ion Ratio Lower Upper
 202 100
 101 13.1 0.0 28.5
 203 17.9 0.0 37.3





#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.668 min Scan# 3142
Delta R.T. -0.006 min
Lab File: BM028152.D
Acq: 17 Dec 2020 21:46

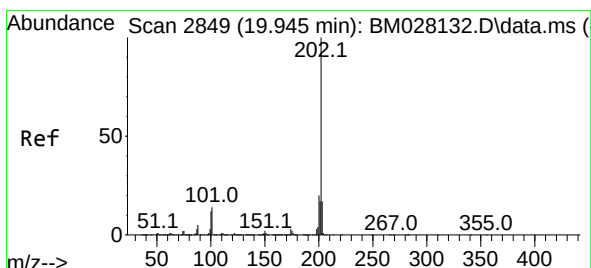
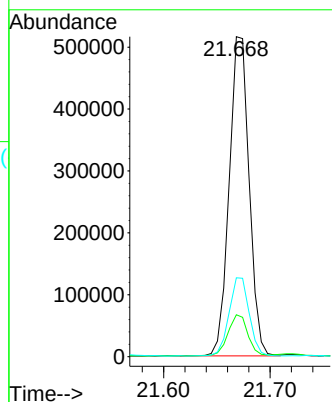
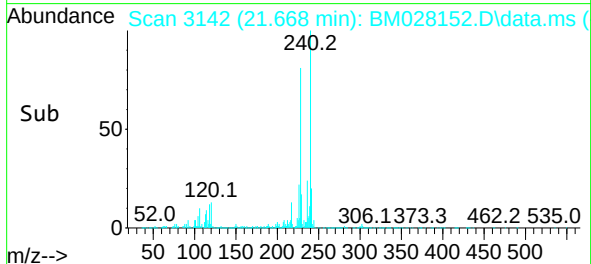
Instrument :
BNA_M
ClientSampled :
B-2



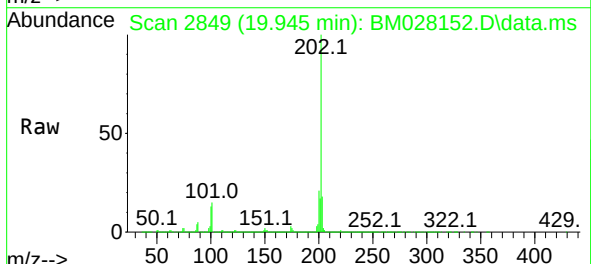
Tgt Ion:240 Resp: 670010
Ion Ratio Lower Upper
240 100
120 13.1 6.4 9.6#
236 24.7 20.1 30.1

Manual Integrations
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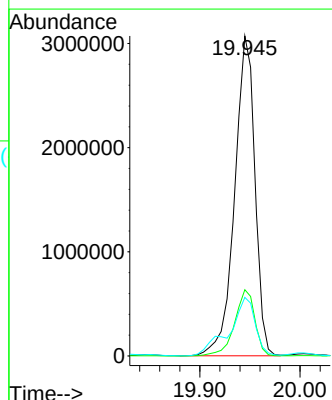
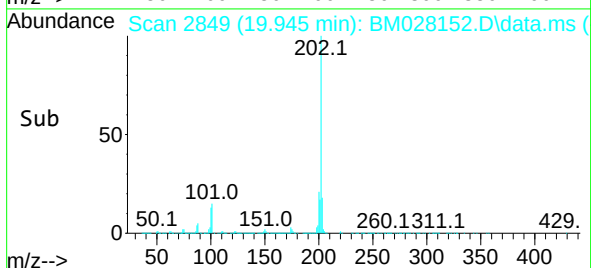
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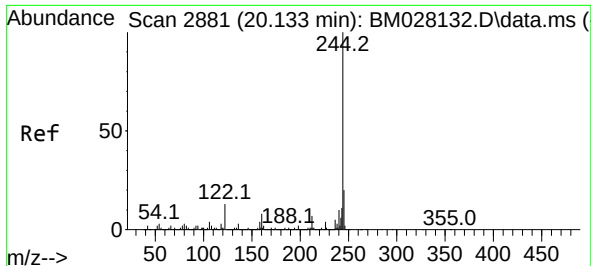


#78
Pyrene
Concen: 89.24 ng
RT: 19.945 min Scan# 2849
Delta R.T. -0.000 min
Lab File: BM028152.D
Acq: 17 Dec 2020 21:46



Tgt Ion:202 Resp: 4328951
Ion Ratio Lower Upper
202 100
200 20.7 16.6 24.8
203 18.3 13.8 20.6





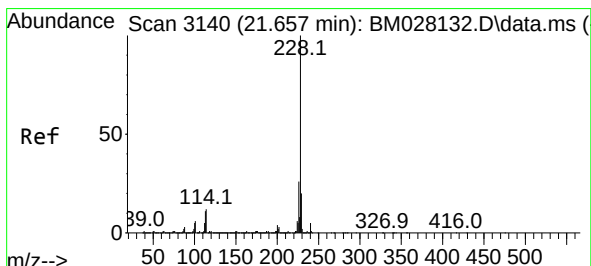
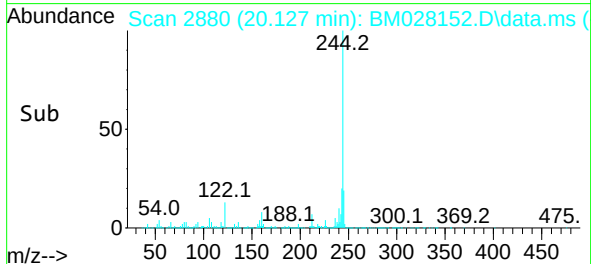
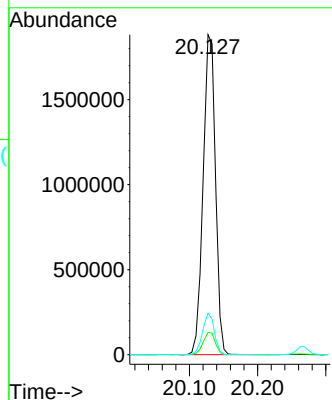
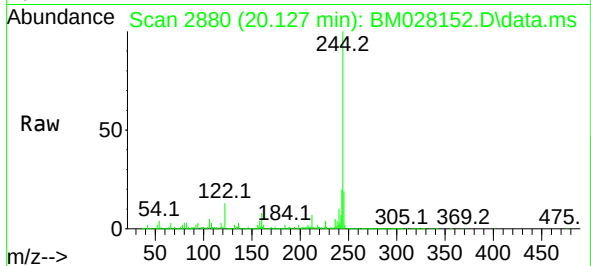
#79
 Terphenyl-d14
 Concen: 64.16 ng
 RT: 20.127 min Scan# 2880
 Delta R.T. -0.006 min
 Lab File: BM028152.D
 Acq: 17 Dec 2020 21:46

Tgt Ion:244 Resp: 2369160
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.8
 122 13.0 6.5 9.7#

Instrument :
 BNA_M
 ClientSampled :
 B-2

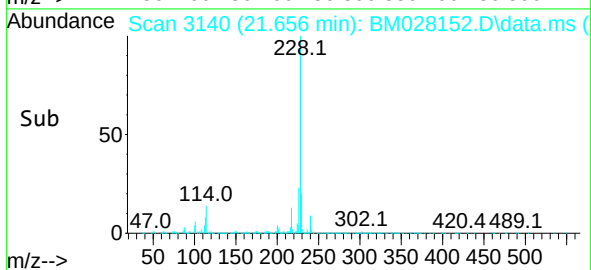
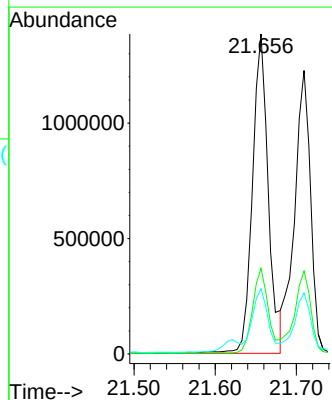
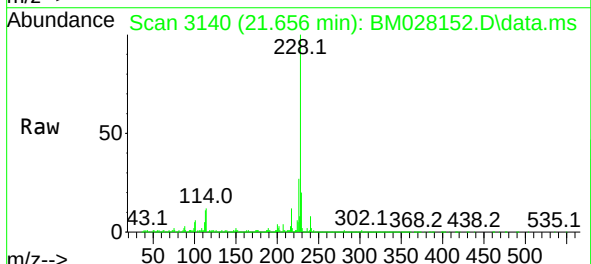
Manual Integrations
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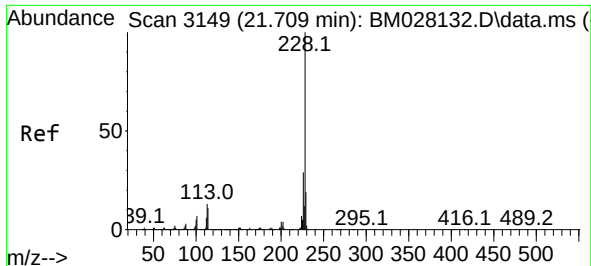
mohammad
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#81
 Benzo(a)anthracene
 Concen: 41.11 ng
 RT: 21.656 min Scan# 3140
 Delta R.T. -0.000 min
 Lab File: BM028152.D
 Acq: 17 Dec 2020 21:46

Tgt Ion:228 Resp: 1876187
 Ion Ratio Lower Upper
 228 100
 226 26.8 21.1 31.7
 229 20.4 15.7 23.5





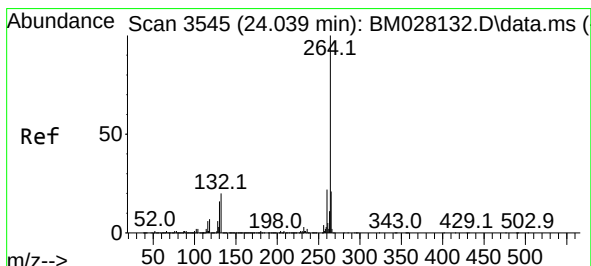
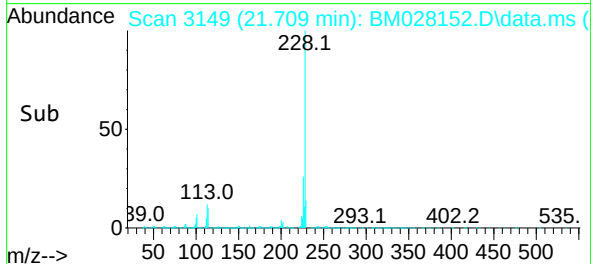
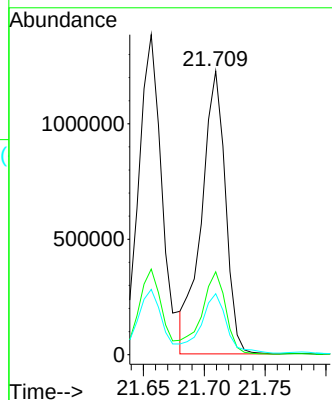
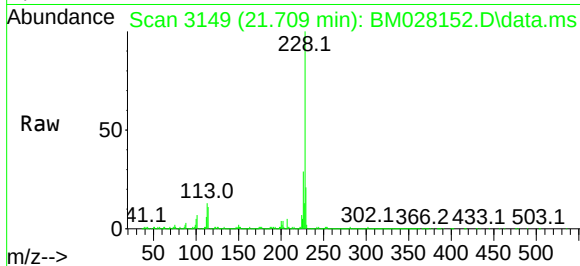
#83
Chrysene
Concen: 37.91 ng
RT: 21.709 min Scan# 3149
Delta R.T. -0.000 min
Lab File: BM028152.D
Acq: 17 Dec 2020 21:46

Tgt Ion:228 Resp: 1675459
Ion Ratio Lower Upper
228 100
226 29.2 23.4 35.0
229 21.5 15.7 23.5

Instrument :
BNA_M
ClientSampled :
B-2

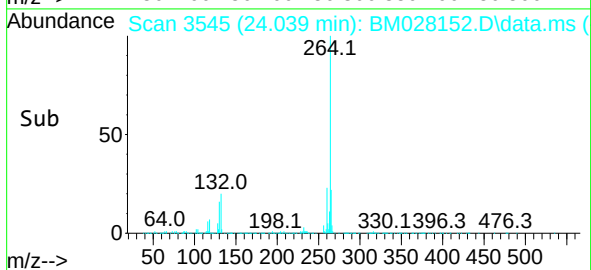
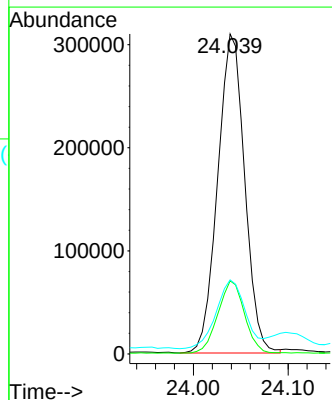
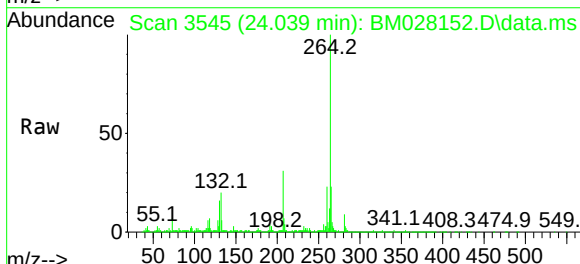
Manual Integrations
APPROVED

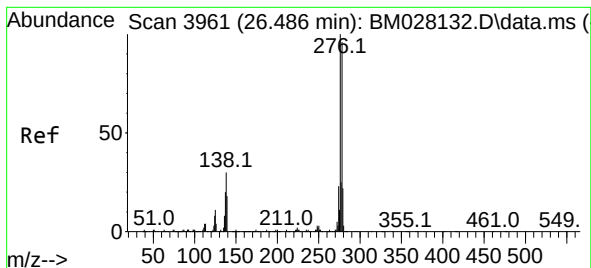
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 24.039 min Scan# 3545
Delta R.T. -0.000 min
Lab File: BM028152.D
Acq: 17 Dec 2020 21:46

Tgt Ion:264 Resp: 613166
Ion Ratio Lower Upper
264 100
260 22.9 19.0 28.4
265 23.2 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 16.72 ng m

RT: 26.474 min Scan# 3959

Delta R.T. -0.012 min

Lab File: BM028152.D

Acq: 17 Dec 2020 21:46

Tgt Ion:	276	Resp:	681570
Ion Ratio	Lower	Upper	
276	100		
138	1.4	14.2	21.4#
277	1.8	19.8	29.8#

Instrument :

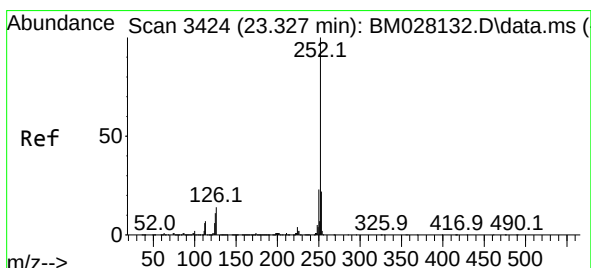
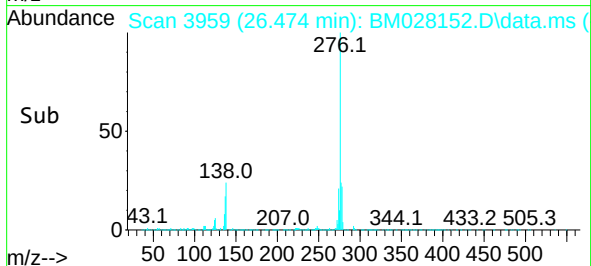
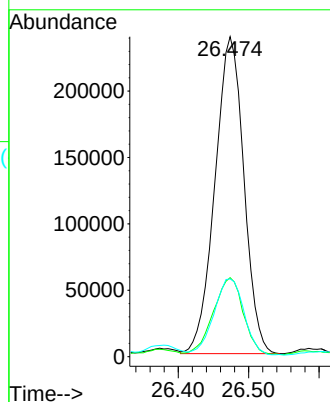
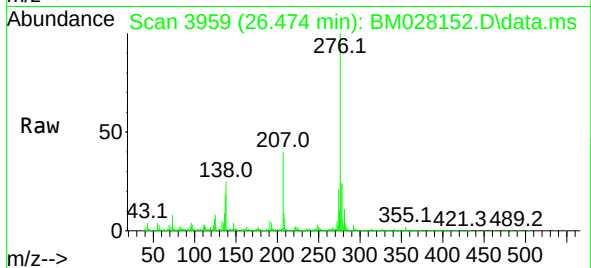
BNA_M

ClientSampled :

B-2

Manual Integrations
APPROVED

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#88

Benzo(b)fluoranthene

Concen: 36.90 ng m

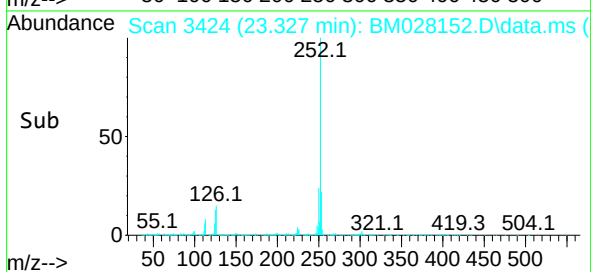
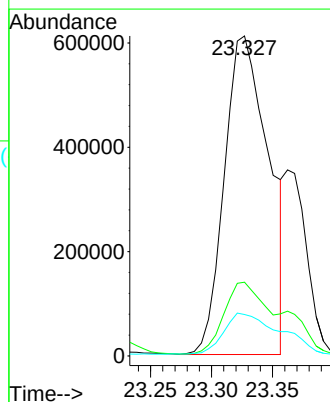
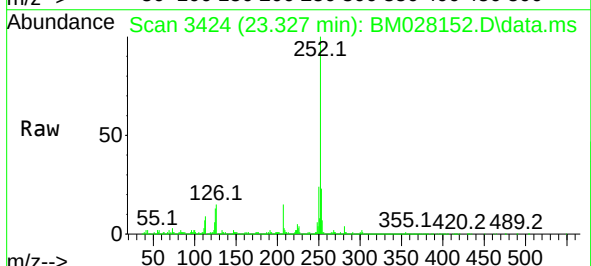
RT: 23.327 min Scan# 3424

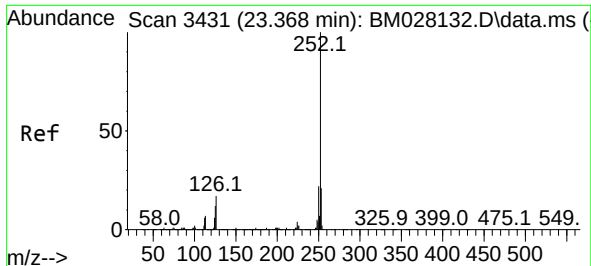
Delta R.T. -0.000 min

Lab File: BM028152.D

Acq: 17 Dec 2020 21:46

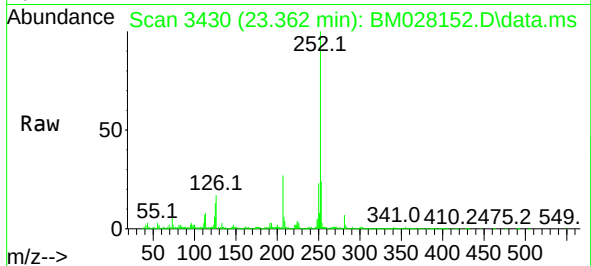
Tgt Ion:	252	Resp:	1541254
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.4	26.0
125	12.9	5.7	8.5#





#89
Benzo(k)fluoranthene
Concen: 10.85 ng m
RT: 23.362 min Scan# 3430
Delta R.T. -0.006 min
Lab File: BM028152.D
Acq: 17 Dec 2020 21:46

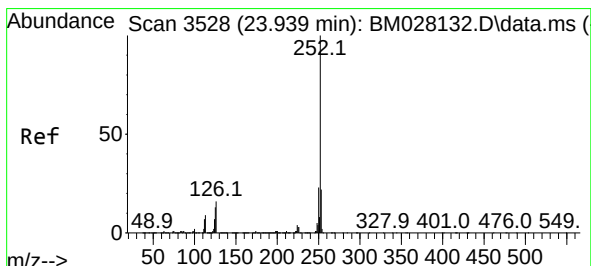
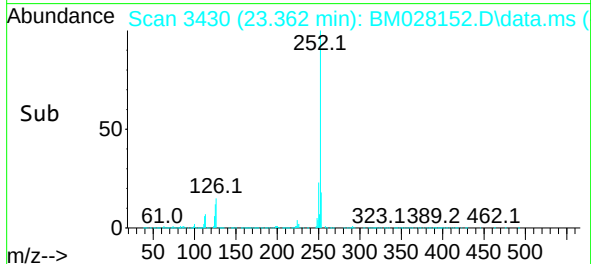
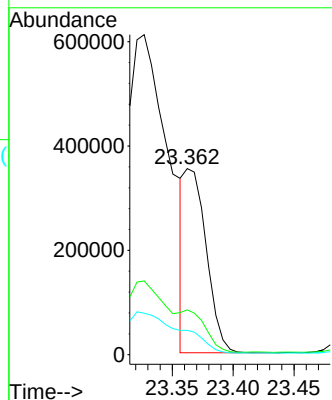
Instrument :
BNA_M
ClientSampled :
B-2



Tgt Ion:252 Resp: 440345
Ion Ratio Lower Upper
252 100
253 24.0 17.4 26.0
125 13.1 5.6 8.4#

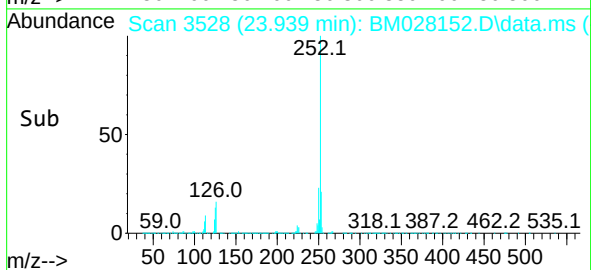
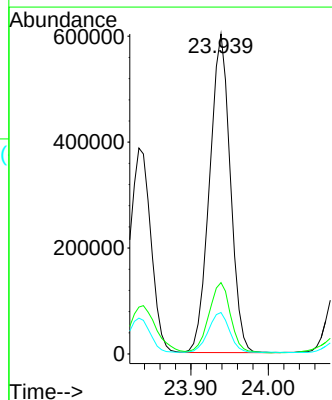
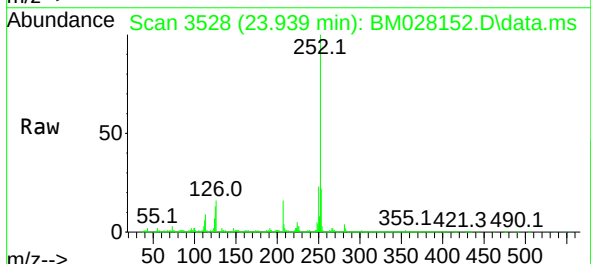
Manual Integrations
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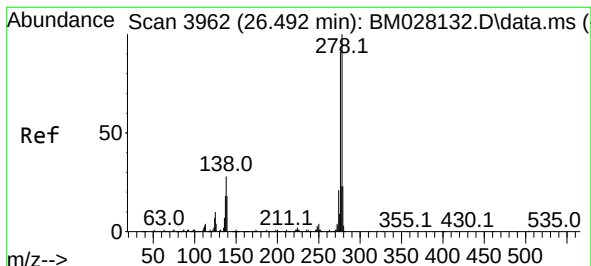
mohammad
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#90
Benzo(a)pyrene
Concen: 29.87 ng
RT: 23.939 min Scan# 3528
Delta R.T. -0.000 min
Lab File: BM028152.D
Acq: 17 Dec 2020 21:46

Tgt Ion:252 Resp: 1119955
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 13.0 6.6 9.8#





#91

Dibenzo(a,h)anthracene

Concen: 5.63 ng

RT: 26.474 min Scan# 3959

Delta R.T. -0.018 min

Lab File: BM028152.D

Acq: 17 Dec 2020 21:46

Tgt Ion:	278	Resp:	191547
Ion Ratio	Lower	Upper	
278	100		
139	0.0	9.0	13.6#
279	26.5	19.0	28.4

Instrument :

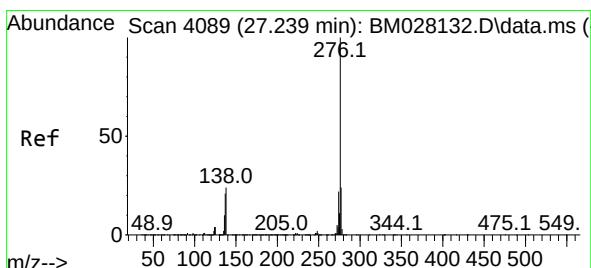
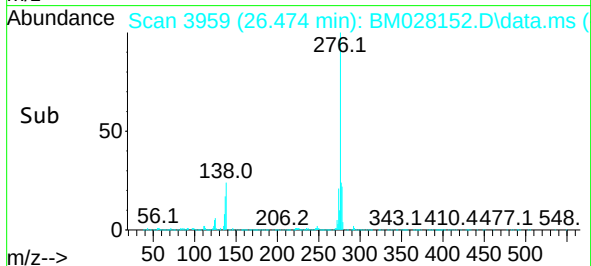
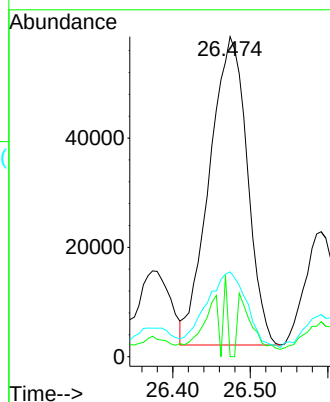
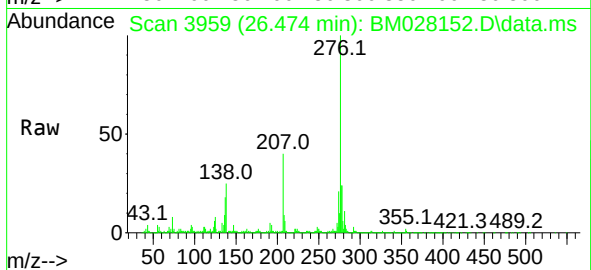
BNA_M

ClientSampled :

B-2

Manual Integrations
APPROVED

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#92

Benzo(g,h,i)perylene

Concen: 20.85 ng

RT: 27.227 min Scan# 4087

Delta R.T. -0.012 min

Lab File: BM028152.D

Acq: 17 Dec 2020 21:46

Tgt Ion:	276	Resp:	677384
Ion Ratio	Lower	Upper	
276	100		
277	24.0	18.6	28.0
138	25.4	12.2	18.2#

