

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100121\
 Data File : BN016695.D
 Acq On : 03 Oct 2021 07:00
 Operator : CG/JU
 Sample : M3892-07
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-823-N-SO-0-0.5-092221

Manual Integrations
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Quant Time: Oct 04 03:37:21 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 01 13:35:26 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.642	152	32253	0.40	ng	0.00
7) Naphthalene-d8	10.407	136	148783	0.40	ng	# 0.00
13) Acenaphthene-d10	14.269	164	84454	0.40	ng	0.00
19) Phenanthrene-d10	17.017	188	166957	0.40	ng	#-0.01
29) Chrysene-d12	21.238	240	160190	0.40	ng	# 0.00
35) Perylene-d12	23.488	264	167550	0.40	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.273	112	21435	0.26	ng	0.02
5) Phenol-d6	6.831	99	22390	0.25	ng	0.00
8) Nitrobenzene-d5	8.784	82	27498	0.28	ng	0.00
11) 2-Methylnaphthalene-d10	12.003	152	60088	0.27	ng	0.00
14) 2,4,6-Tribromophenol	15.766	330	12489	0.32	ng	0.00
15) 2-Fluorobiphenyl	12.886	172	76011	0.22	ng	-0.01
27) Fluoranthene-d10	19.068	212	118389	0.27	ng	0.00
31) Terphenyl-d14	19.678	244	96532	0.28	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.457	128	20113	0.05	ng	98
12) 2-Methylnaphthalene	12.074	142	12775	0.05	ng	# 95
16) Acenaphthylene	13.989	152	44385	0.12	ng	99
17) Acenaphthene	14.332	154	78486	0.32	ng	99
18) Fluorene	15.322	166	72578m	0.25	ng	
25) Phenanthrene	17.066	178	1642142	3.27	ng	99
26) Anthracene	17.151	178	313547	0.72	ng	# 94
28) Fluoranthene	19.098	202	3741652	6.90	ng	98
30) Pyrene	19.460	202	3285473	6.34	ng	# 93
32) Benzo(a)anthracene	21.217	228	1937856	3.94	ng	98
33) Chrysene	21.270	228	2097327	4.21	ng	97
34) Bis(2-ethylhexyl)phtha...	21.164	149	140865	0.72	ng	96
36) Indeno(1,2,3-cd)pyrene	25.771	276	1026136	1.72	ng	97
37) Benzo(b)fluoranthene	22.817	252	2912621	5.41	ng	98
38) Benzo(k)fluoranthene	22.858	252	1004546m	1.89	ng	
39) Benzo(a)pyrene	23.392	252	1872578	3.90	ng	98
40) Dibenzo(a,h)anthracene	25.785	278	263833	0.55	ng	# 88
41) Benzo(g,h,i)perylene	26.473	276	950570	1.80	ng	98

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

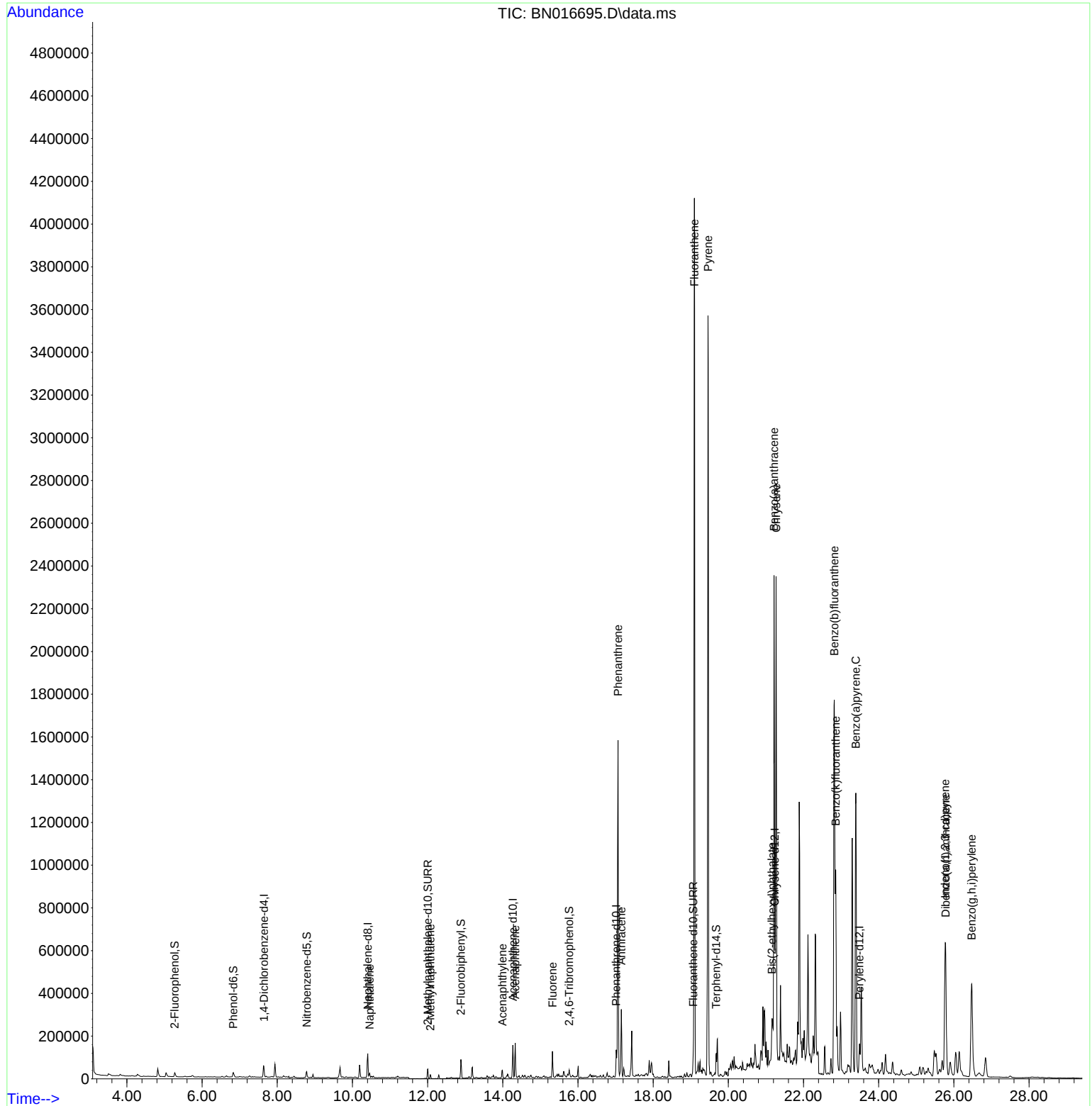
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100121\
Data File : BN016695.D
Acq On : 03 Oct 2021 07:00
Operator : CG/JU
Sample : M3892-07
Misc :
ALS Vial : 63 Sample Multiplier: 1

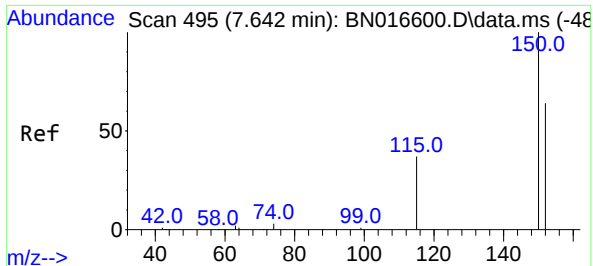
Instrument :
BNA_N
ClientSampleId :
S-823-N-SO-0-0.5-092221

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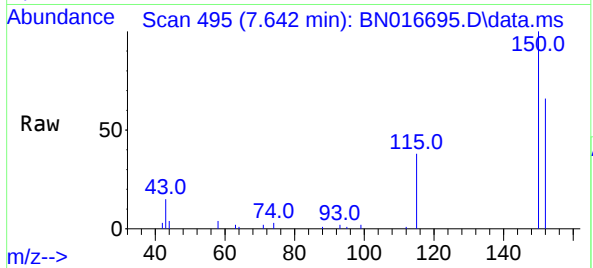
Quant Time: Oct 04 03:37:21 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 01 13:35:26 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.642 min Scan# 495
Delta R.T. 0.000 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00

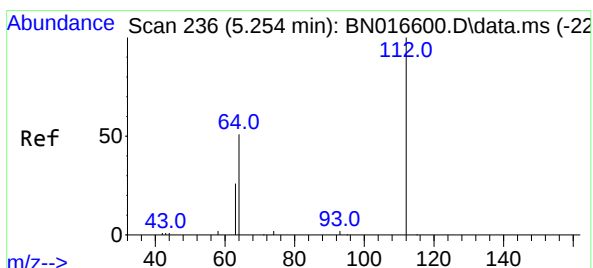
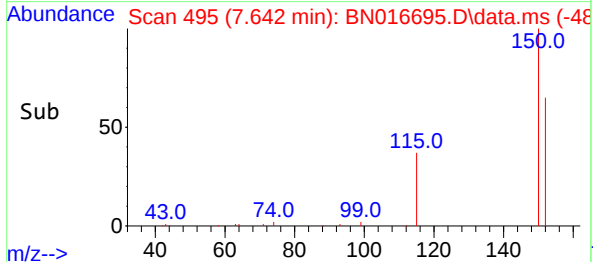
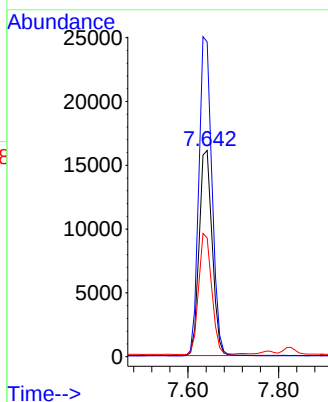
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BNA_N
ClientSampleId :
S-823-N-SO-0-0.5-092221



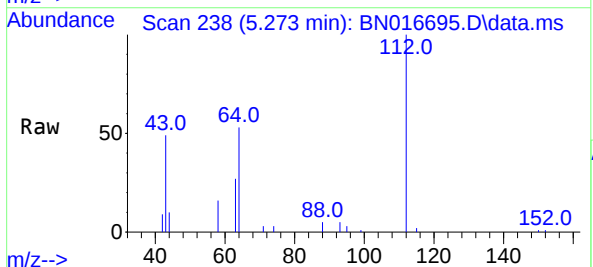
Tgt Ion:152 Resp: 32253
Ion Ratio Lower Upper
152 100
150 152.7 124.6 186.8
115 57.6 46.5 69.7

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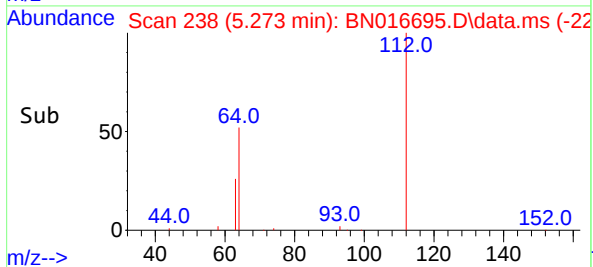
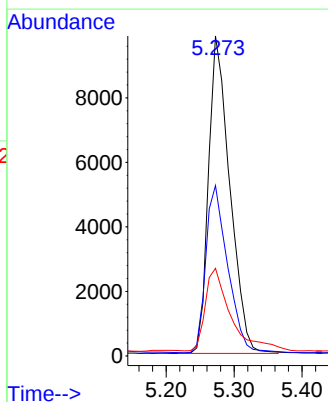
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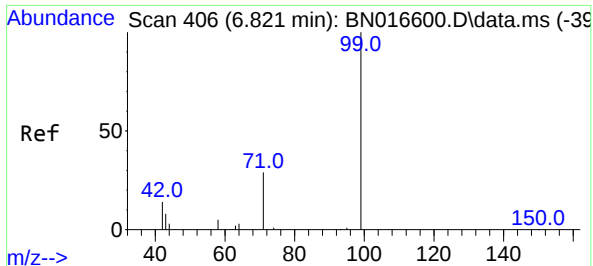


#4
2-Fluorophenol
Concen: 0.26 ng
RT: 5.273 min Scan# 238
Delta R.T. 0.019 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00

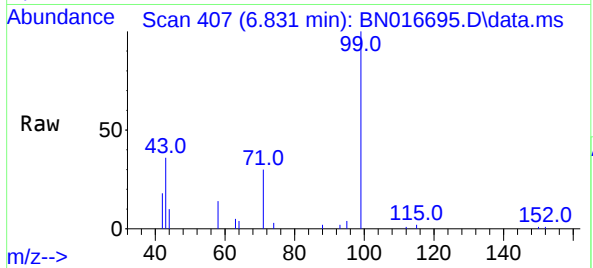


Tgt Ion:112 Resp: 21435
Ion Ratio Lower Upper
112 100
64 54.2 43.1 64.7
63 30.7 21.6 32.4

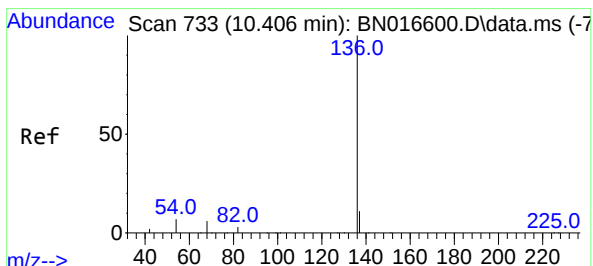
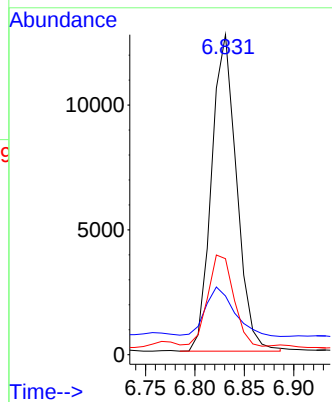
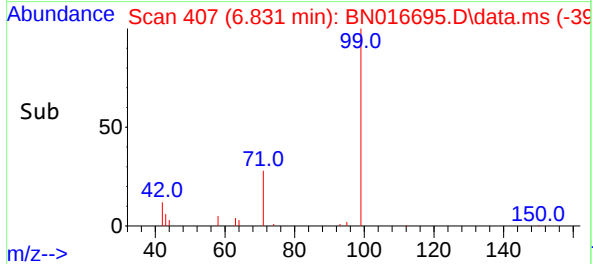




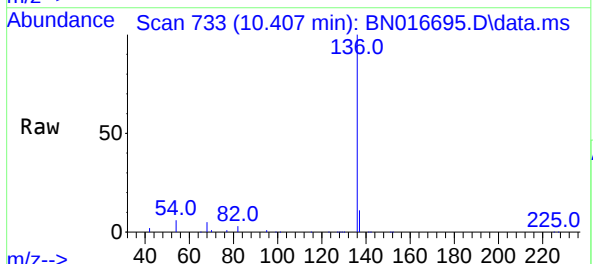
#5
Phenol-d6
Concen: 0.25 ng
RT: 6.831 min Scan# 407
Delta R.T. 0.009 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00



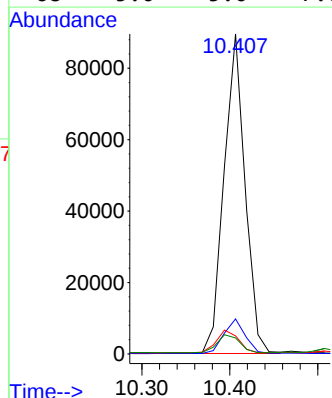
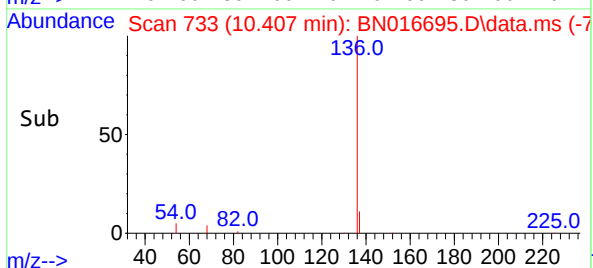
Tgt Ion: 99 Resp: 22390
Ion Ratio Lower Upper
99 100
42 18.0 13.0 19.6
71 30.0 23.5 35.3



#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.407 min Scan# 733
Delta R.T. 0.000 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00



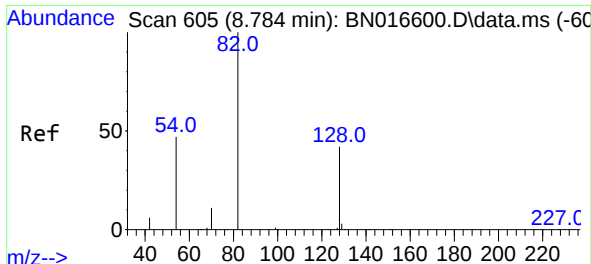
Tgt Ion: 136 Resp: 148783
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 5.7 5.9 8.9#
68 5.0 5.0 7.6#



Instrument :
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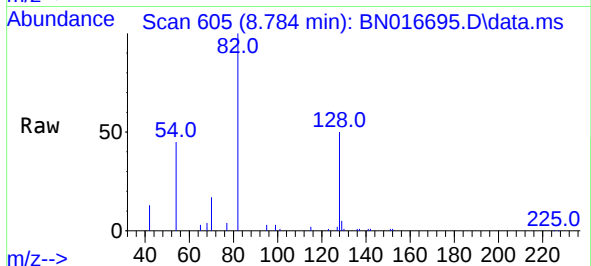
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#8
Nitrobenzene-d5
Concen: 0.28 ng
RT: 8.784 min Scan# 605
Delta R.T. 0.000 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00

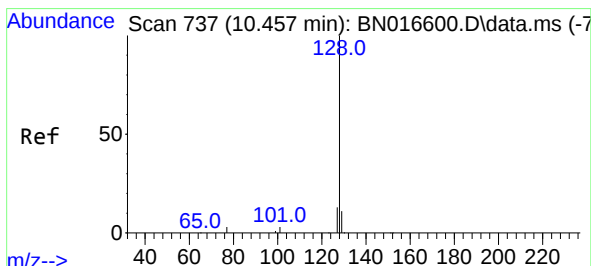
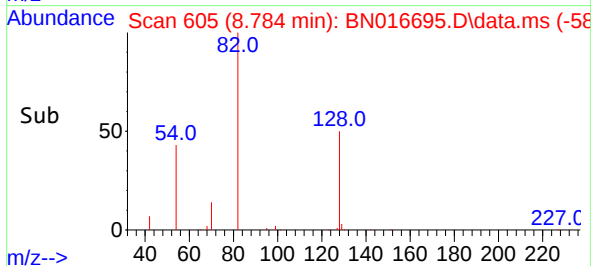
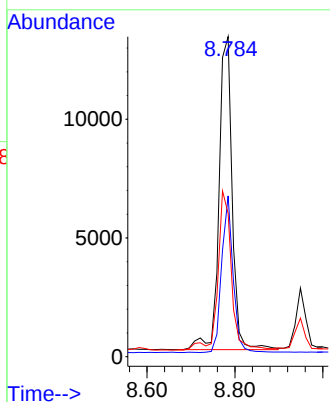
Instrument :
BNA_N
ClientSampleId :
S-823-N-SO-0-0.5-092221



Tgt Ion: 82 Resp: 27498
Ion Ratio Lower Upper
82 100
128 50.3 33.6 50.4
54 44.8 37.6 56.4

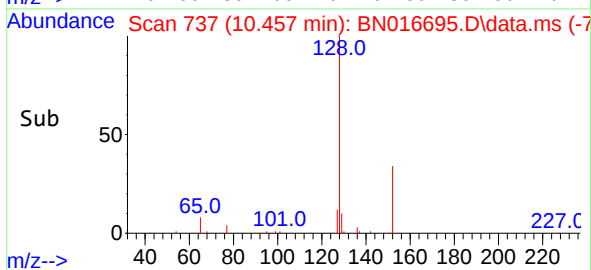
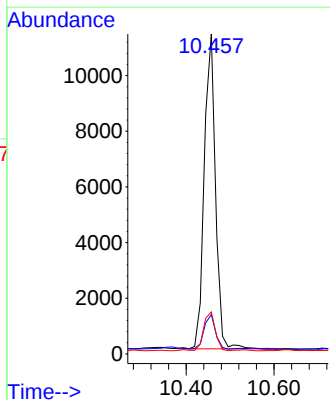
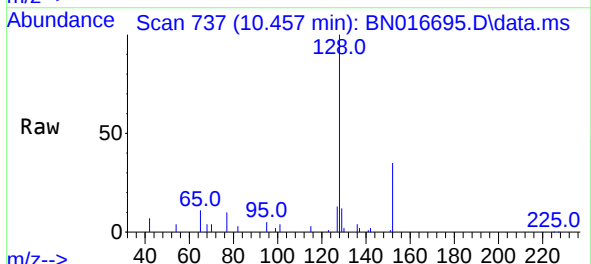
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#9
Naphthalene
Concen: 0.05 ng
RT: 10.457 min Scan# 737
Delta R.T. 0.000 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00

Tgt Ion: 128 Resp: 20113
Ion Ratio Lower Upper
128 100
129 12.3 8.8 13.2
127 13.2 10.3 15.5





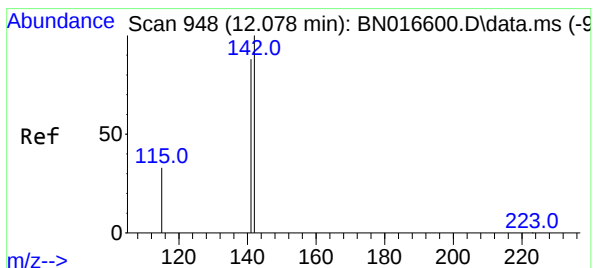
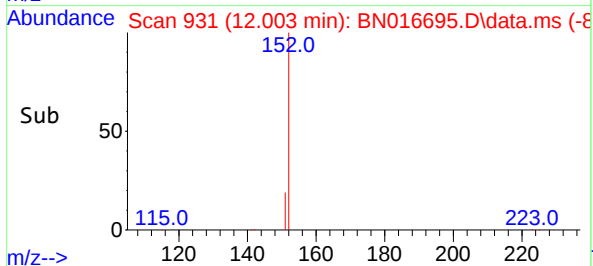
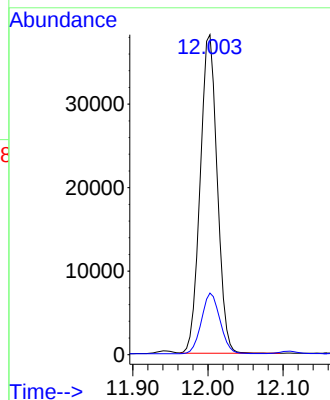
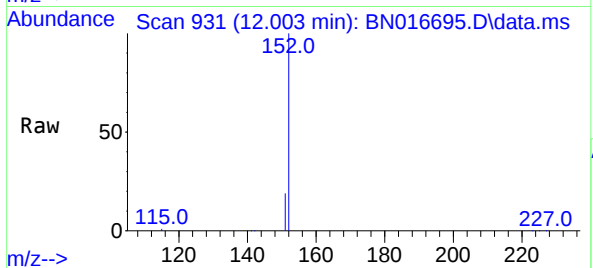
#11
2-Methylnaphthalene-d10
Concen: 0.27 ng
RT: 12.003 min Scan# 931
Delta R.T. -0.004 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00

Tgt Ion:152 Resp: 60088
Ion Ratio Lower Upper
152 100
151 20.9 16.2 24.4

Instrument :
BNA_N
ClientSampleId :
S-823-N-SO-0-0.5-092221

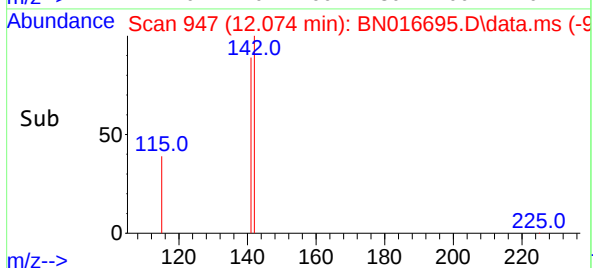
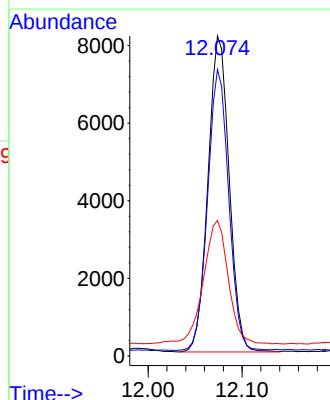
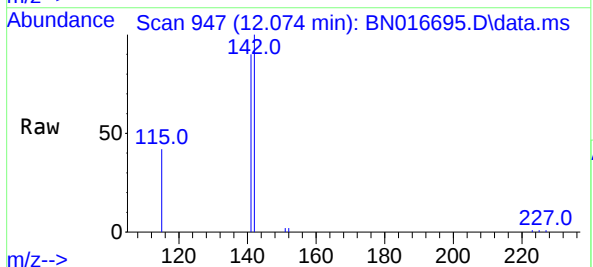
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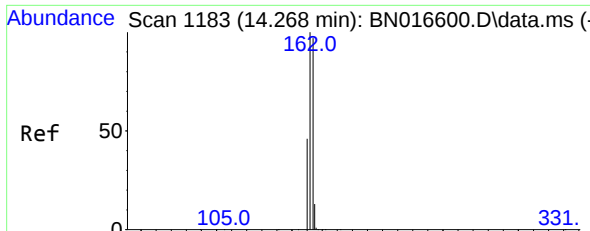
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#12
2-Methylnaphthalene
Concen: 0.05 ng
RT: 12.074 min Scan# 947
Delta R.T. -0.004 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00

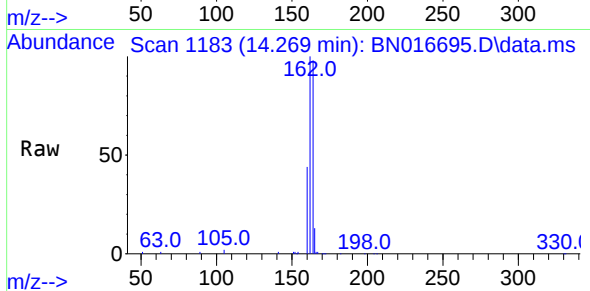
Tgt Ion:142 Resp: 12775
Ion Ratio Lower Upper
142 100
141 89.5 70.6 105.8
115 42.4 26.6 39.8#





#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.269 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00

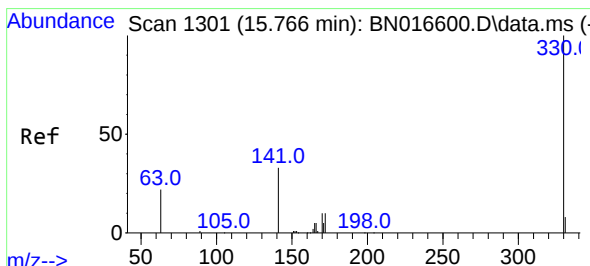
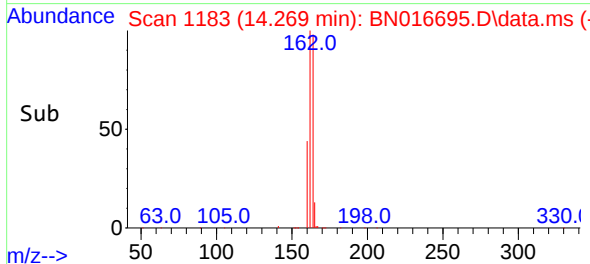
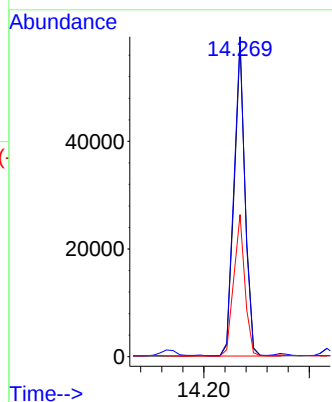
Instrument :
BNA_N
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S-823-N-SO-0-0.5-092221



Tgt Ion:164 Resp: 84454
Ion Ratio Lower Upper
164 100
162 102.0 82.2 123.2
160 45.3 37.7 56.5

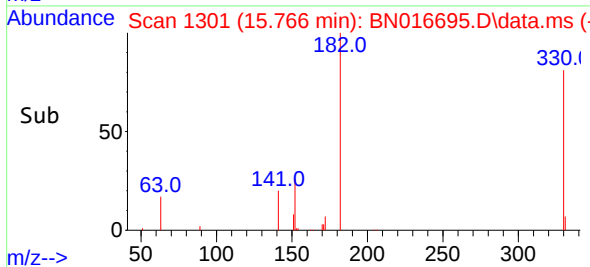
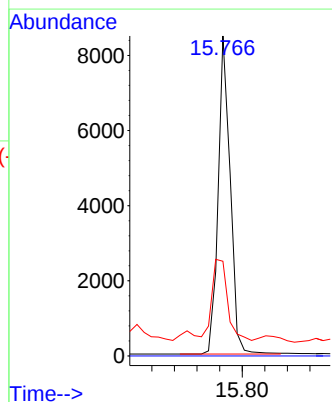
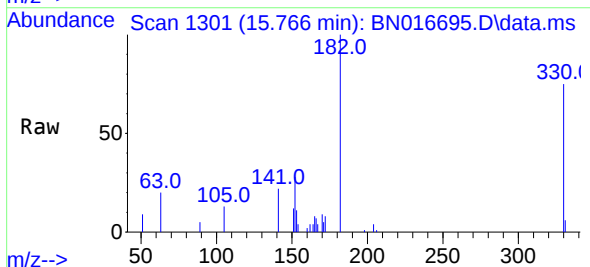
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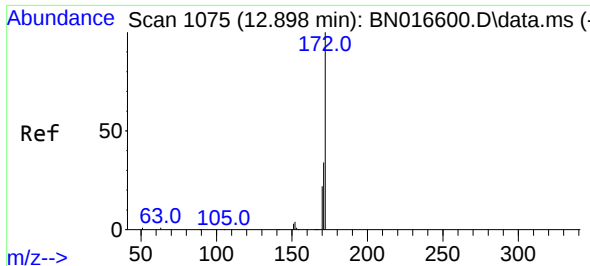
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#14
2,4,6-Tribromophenol
Concen: 0.32 ng
RT: 15.766 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00

Tgt Ion:330 Resp: 12489
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 33.0 25.2 37.8





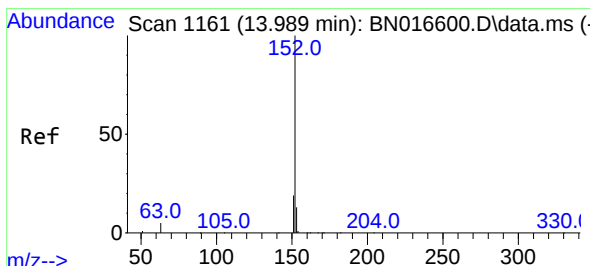
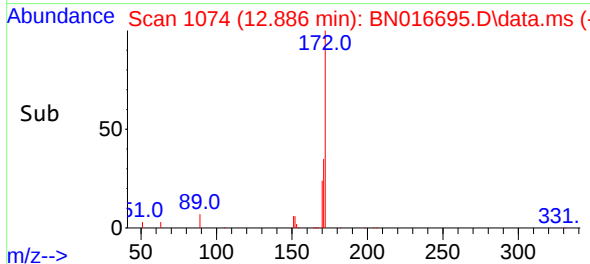
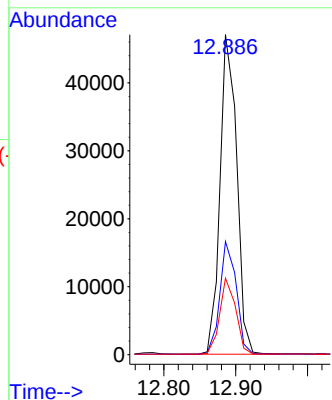
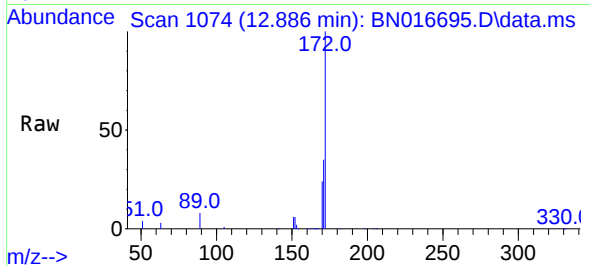
#15
2-Fluorobiphenyl
Concen: 0.22 ng
RT: 12.886 min Scan# 1074
Delta R.T. -0.013 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00

Tgt Ion:	172	Resp:	76011
Ion	Ratio	Lower	Upper
172	100		
171	35.4	27.0	40.4
170	23.9	17.4	26.2

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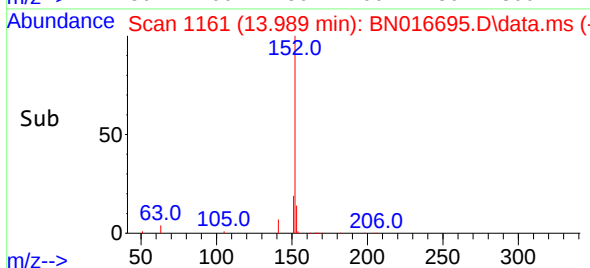
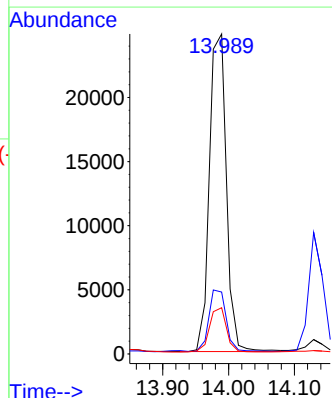
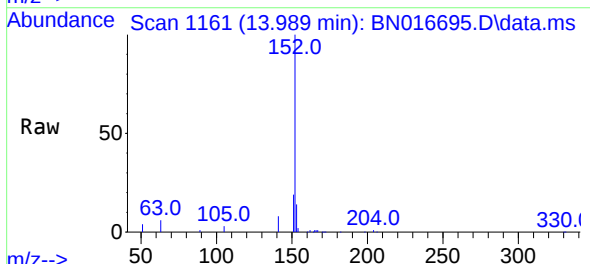
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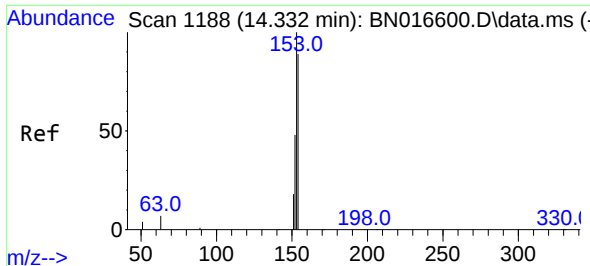
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#16
Acenaphthylene
Concen: 0.12 ng
RT: 13.989 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00

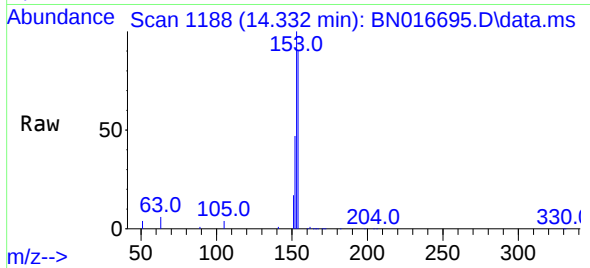
Tgt Ion:	152	Resp:	44385
Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.5	23.3
153	14.0	10.4	15.6





#17
Acenaphthene
Concen: 0.32 ng
RT: 14.332 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00

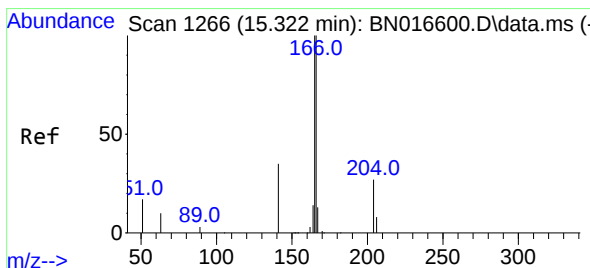
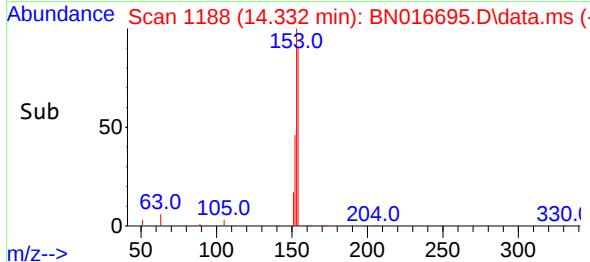
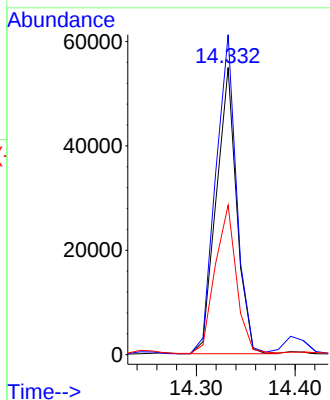
Instrument :
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Tgt Ion:154 Resp: 78486
Ion Ratio Lower Upper
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153 113.7 90.2 135.2
152 54.1 44.0 66.0

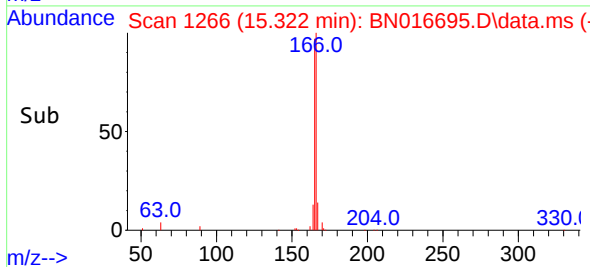
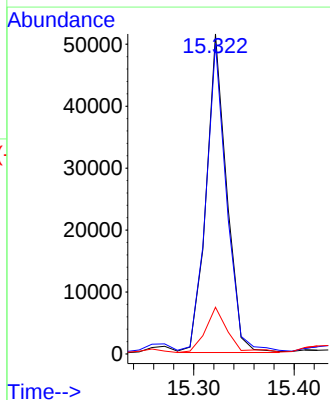
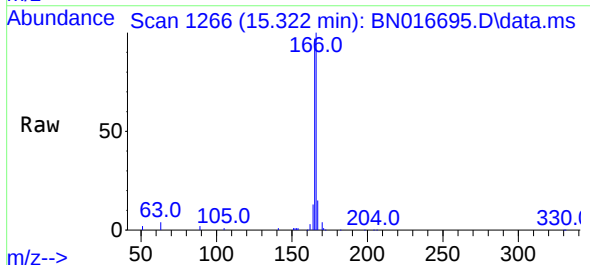
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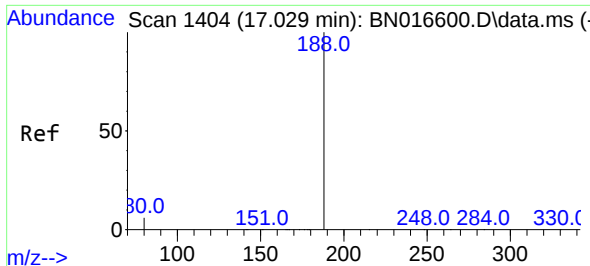
mohammad
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#18
Fluorene
Concen: 0.25 ng m
RT: 15.322 min Scan# 1266
Delta R.T. 0.000 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00

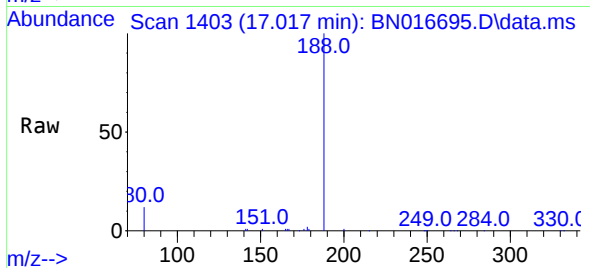
Tgt Ion:166 Resp: 72578
Ion Ratio Lower Upper
166 100
165 97.2 77.9 116.9
167 15.5 10.7 16.1





#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.017 min Scan# 1403
Delta R.T. -0.012 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00

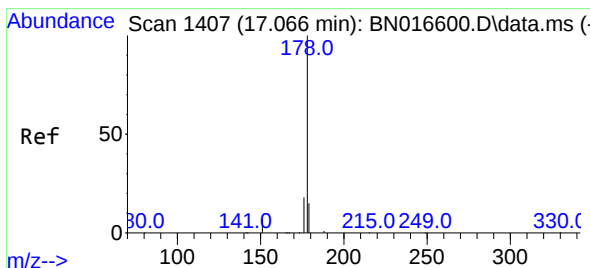
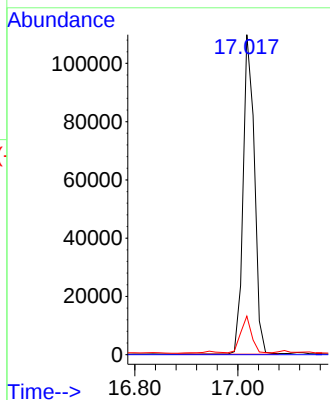
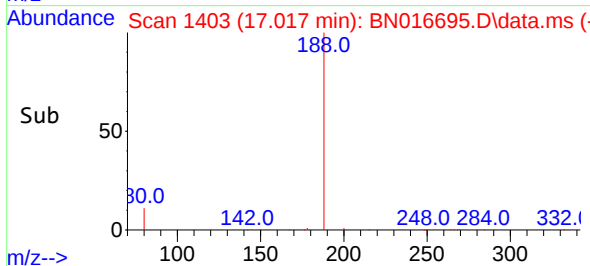
Instrument :
BNA_N
ClientSampleId :
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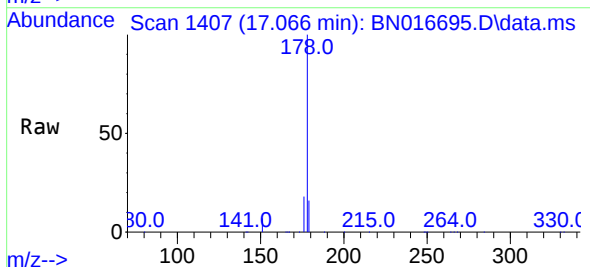
Tgt Ion:188 Resp: 166957
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.1 5.0 7.6#

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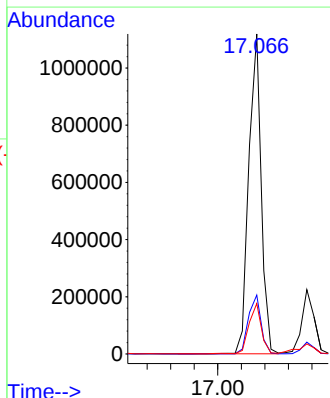
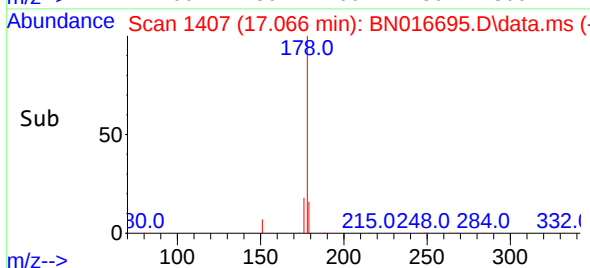
mohammad
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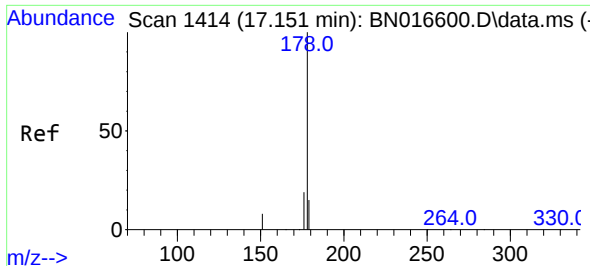


#25
Phenanthrene
Concen: 3.27 ng
RT: 17.066 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00



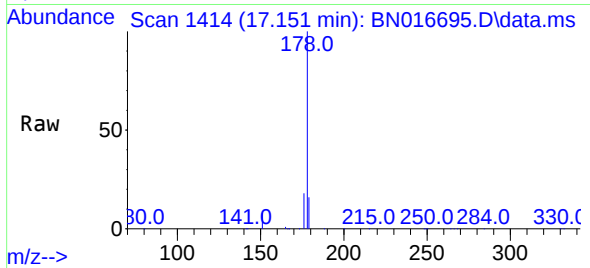
Tgt Ion:178 Resp: 1642142
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.4
179 15.8 12.2 18.4





#26
 Anthracene
 Concen: 0.72 ng
 RT: 17.151 min Scan# 1414
 Delta R.T. 0.000 min
 Lab File: BN016695.D
 Acq: 03 Oct 2021 07:00

Instrument :
 BNA_N
 ClientSampleId :
 S-823-N-SO-0-0.5-092221

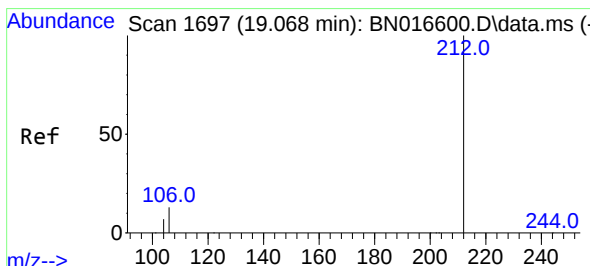
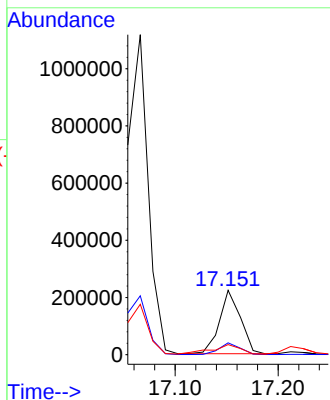
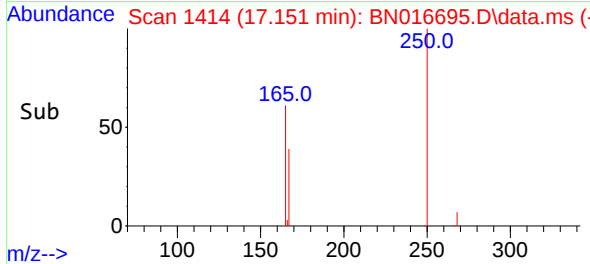


Tgt Ion:178 Resp: 313547

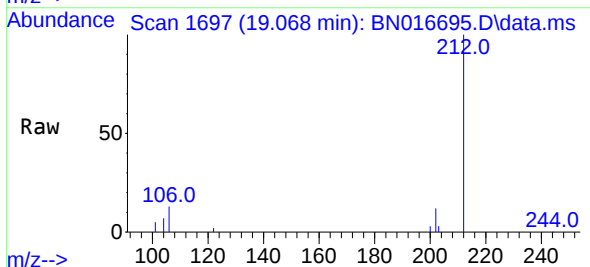
Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.6	21.8
179	21.0	12.2	18.4#

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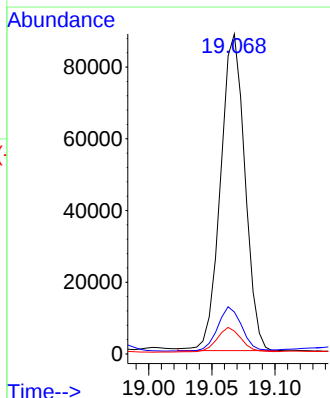
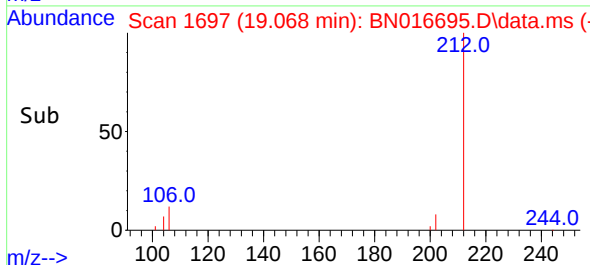


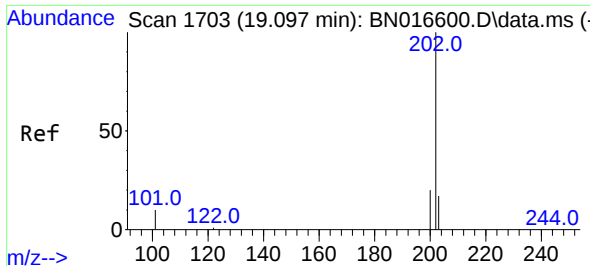
#27
 Fluoranthene-d10
 Concen: 0.27 ng
 RT: 19.068 min Scan# 1697
 Delta R.T. 0.000 min
 Lab File: BN016695.D
 Acq: 03 Oct 2021 07:00



Tgt Ion:212 Resp: 118389

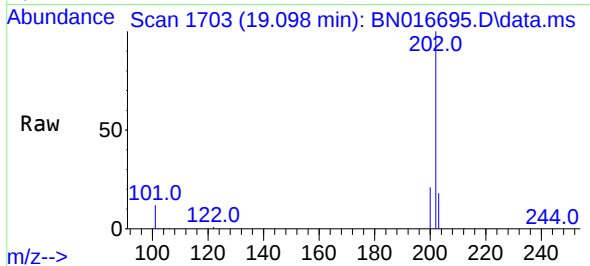
Ion	Ratio	Lower	Upper
212	100		
106	13.8	10.6	16.0
104	7.9	5.9	8.9





#28
Fluoranthene
Concen: 6.90 ng
RT: 19.098 min Scan# 1703
Delta R.T. 0.000 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00

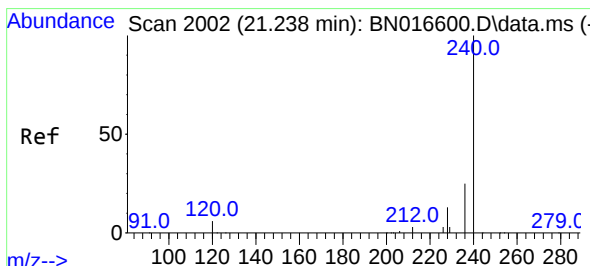
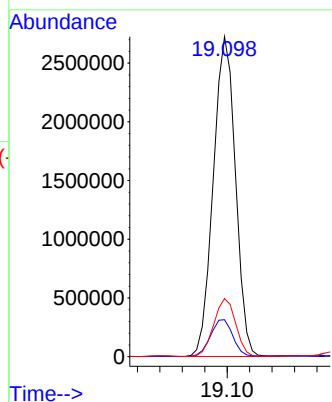
Instrument :
BNA_N
ClientSampleId :
S-823-N-SO-0-0.5-092221



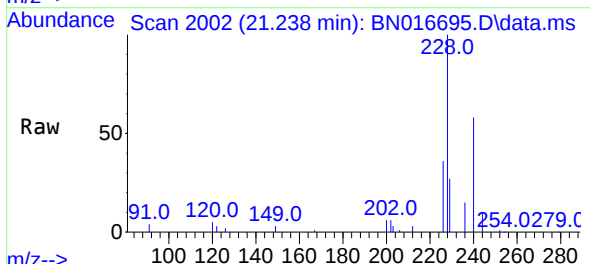
Tgt Ion:202 Resp: 3741652
Ion Ratio Lower Upper
202 100
101 11.7 9.0 13.4
203 18.0 13.8 20.6

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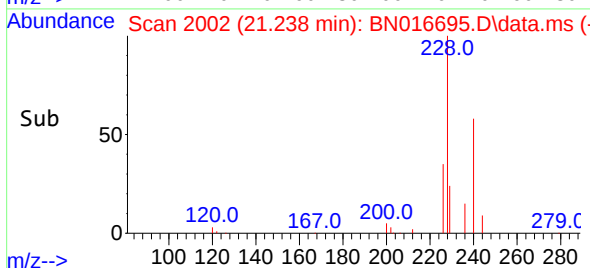
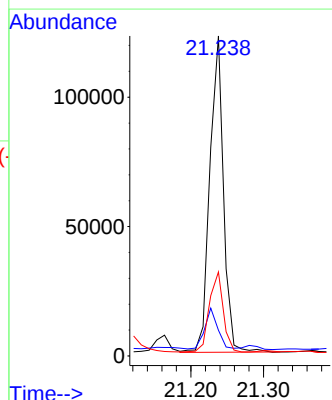
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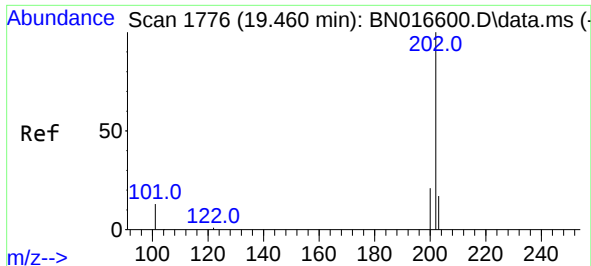


#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00



Tgt Ion:240 Resp: 160190
Ion Ratio Lower Upper
240 100
120 8.0 5.0 7.4#
236 26.2 20.4 30.6





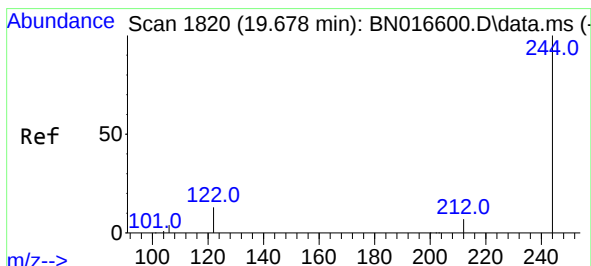
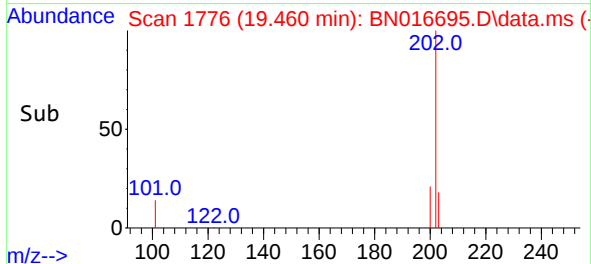
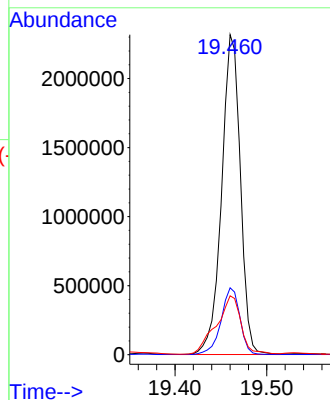
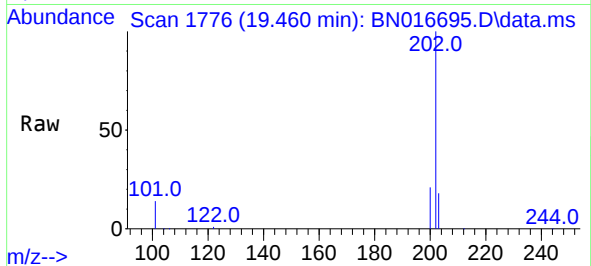
#30
Pyrene
Concen: 6.34 ng
RT: 19.460 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00

Tgt Ion:202 Resp: 3285473
Ion Ratio Lower Upper
202 100
200 21.0 16.5 24.7
203 23.9 14.0 21.0#

Instrument :
BNA_N
ClientSampleId :
S-823-N-SO-0-0.5-092221

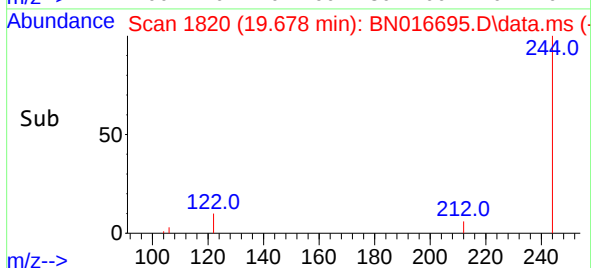
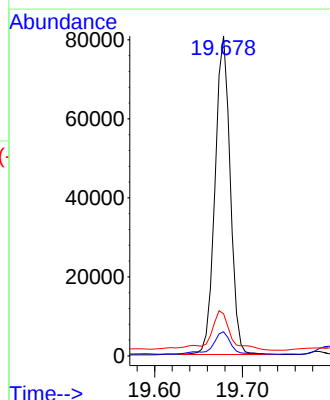
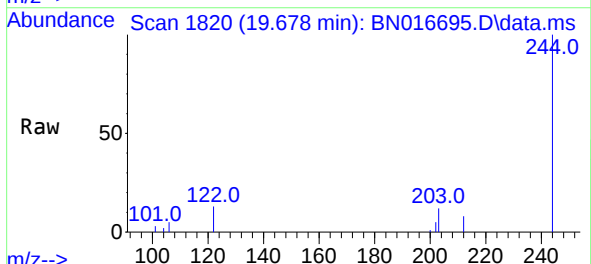
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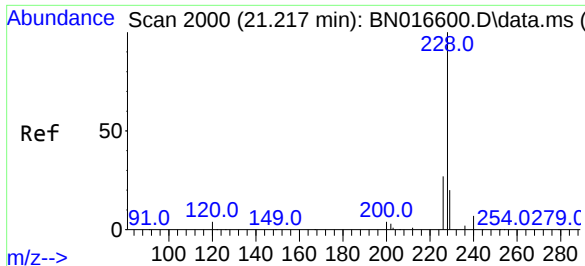
mohammad
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#31
Terphenyl-d14
Concen: 0.28 ng
RT: 19.678 min Scan# 1820
Delta R.T. 0.000 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00

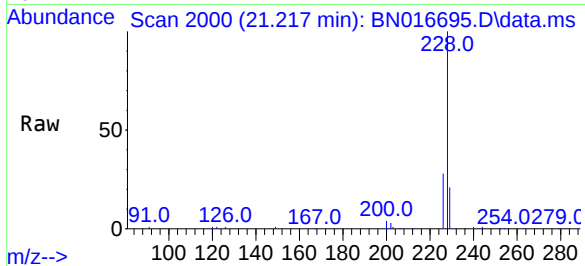
Tgt Ion:244 Resp: 96532
Ion Ratio Lower Upper
244 100
212 7.5 6.0 9.0
122 13.2 10.1 15.1





#32
Benzo(a)anthracene
Concen: 3.94 ng
RT: 21.217 min Scan# 2000
Delta R.T. 0.000 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00

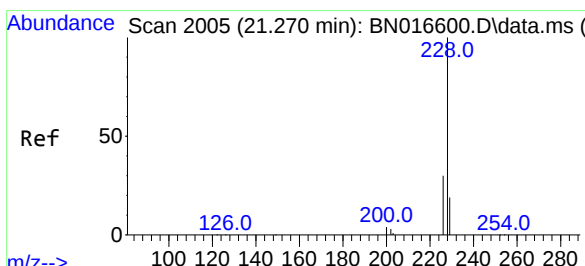
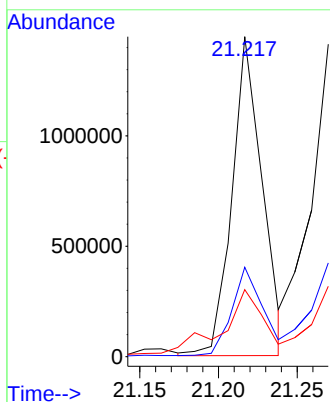
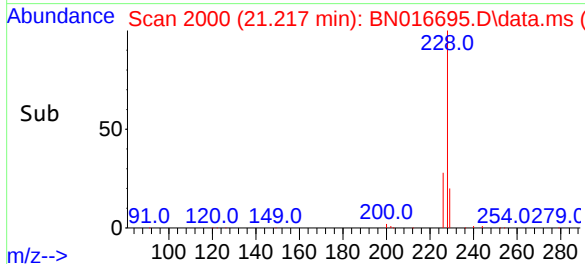
Instrument :
BNA_N
ClientSampleId :
S-823-N-SO-0-0.5-092221



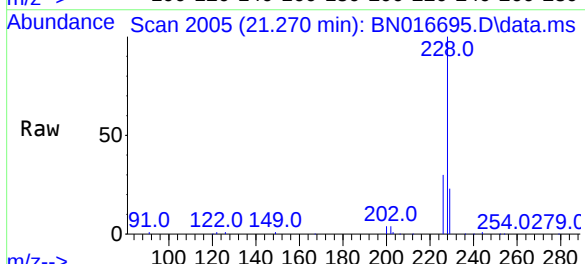
Tgt Ion:228 Resp: 1937856
Ion Ratio Lower Upper
228 100
226 28.0 21.9 32.9
229 20.9 15.7 23.5

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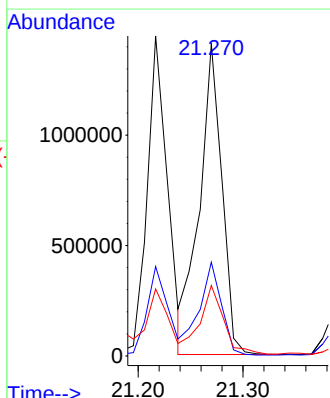
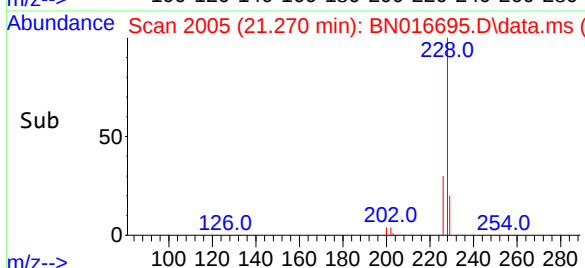
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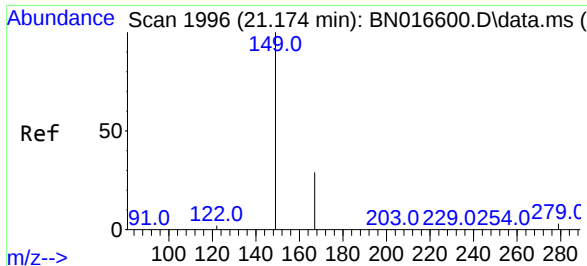


#33
Chrysene
Concen: 4.21 ng
RT: 21.270 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00



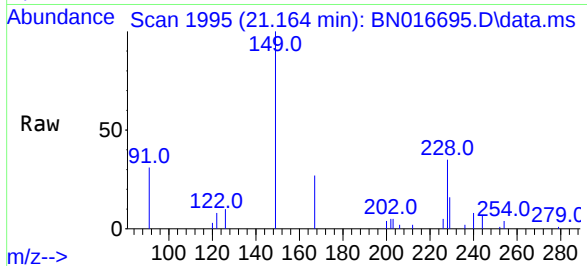
Tgt Ion:228 Resp: 2097327
Ion Ratio Lower Upper
228 100
226 30.0 23.7 35.5
229 22.5 15.5 23.3





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.72 ng
RT: 21.164 min Scan# 1995
Delta R.T. -0.010 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00

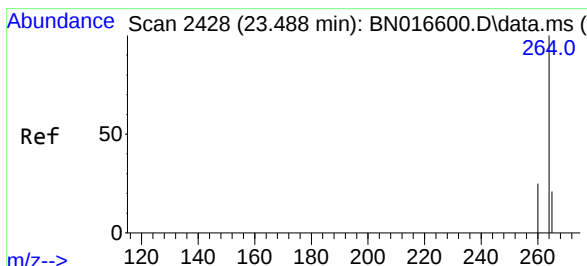
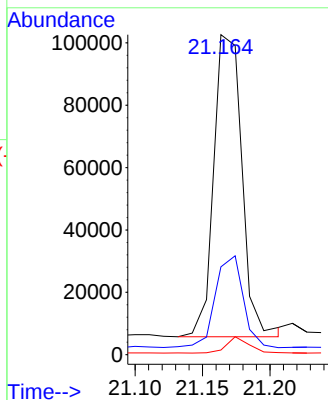
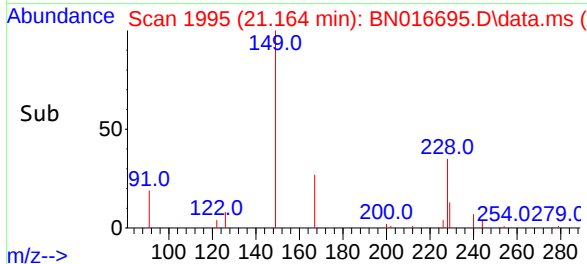
Instrument :
BNA_N
ClientSampleId :
S-823-N-SO-0-0.5-092221



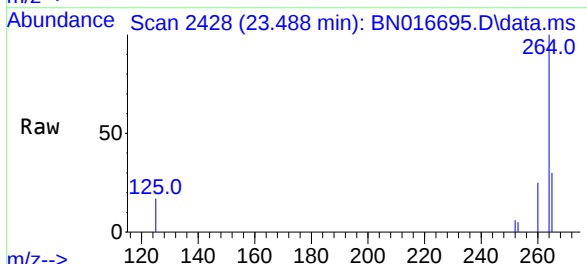
Tgt Ion:149 Resp: 140865
Ion Ratio Lower Upper
149 100
167 30.0 22.2 33.4
279 4.3 3.2 4.8

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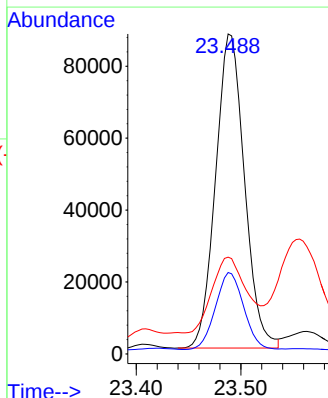
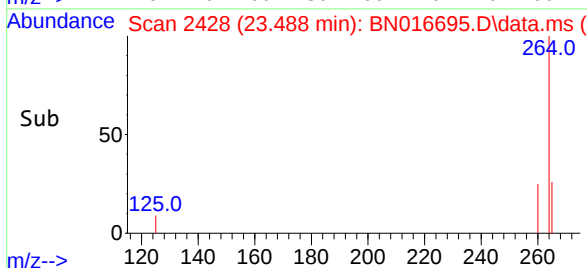
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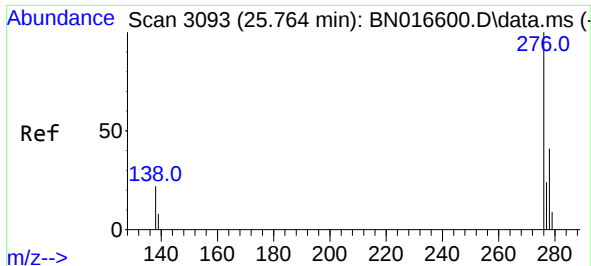


#35
Perylene-d12
Concen: 0.40 ng
RT: 23.488 min Scan# 2428
Delta R.T. 0.000 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00

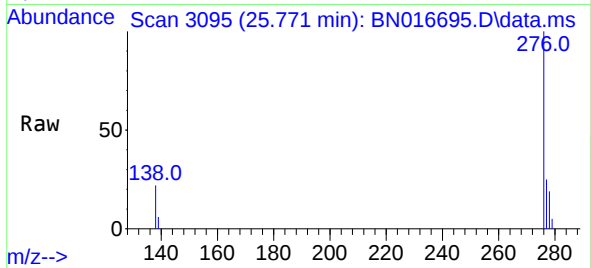


Tgt Ion:264 Resp: 167550
Ion Ratio Lower Upper
264 100
260 25.5 19.9 29.9
265 30.3 19.2 28.8

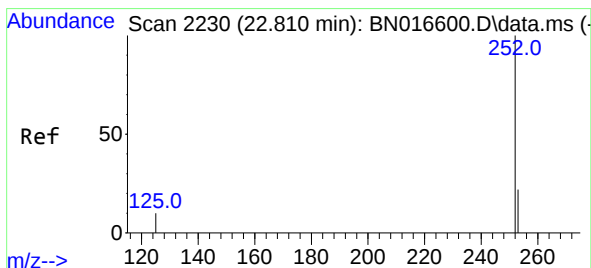
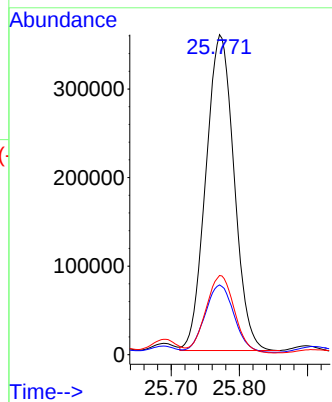
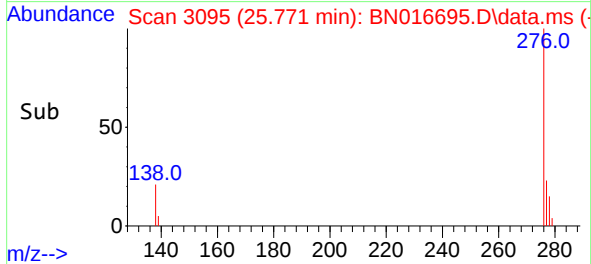




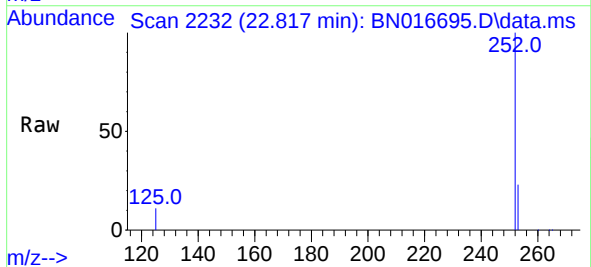
#36
Indeno(1,2,3-cd)pyrene
Concen: 1.72 ng
RT: 25.771 min Scan# 3095
Delta R.T. 0.007 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00



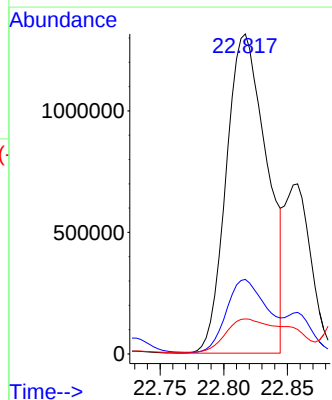
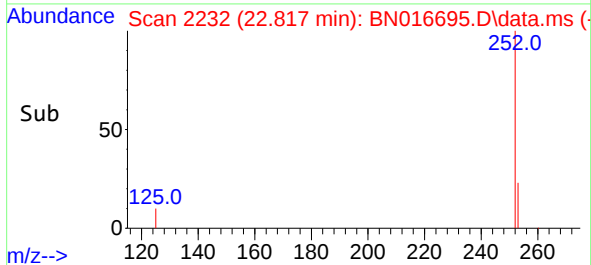
Tgt Ion:276 Resp: 1026136
Ion Ratio Lower Upper
276 100
138 22.0 19.5 29.3
277 24.8 19.9 29.9



#37
Benzo(b)fluoranthene
Concen: 5.41 ng
RT: 22.817 min Scan# 2232
Delta R.T. 0.007 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00



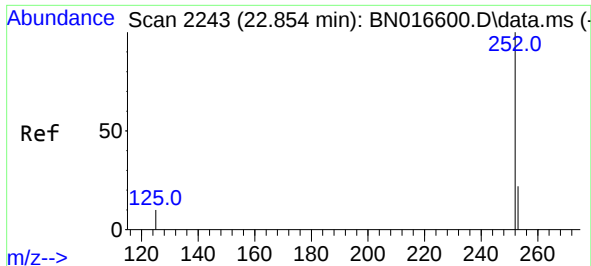
Tgt Ion:252 Resp: 2912621
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 11.0 8.0 12.0



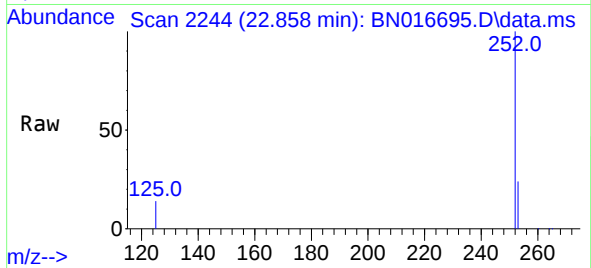
Instrument :
BNA_N
ClientSampleId :
S-823-N-SO-0-0.5-092221

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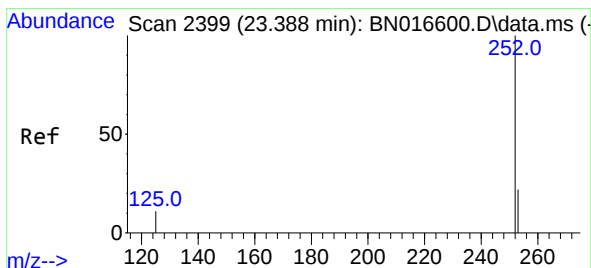
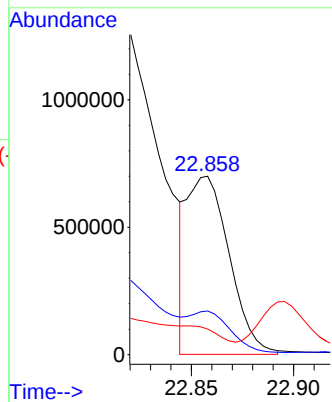
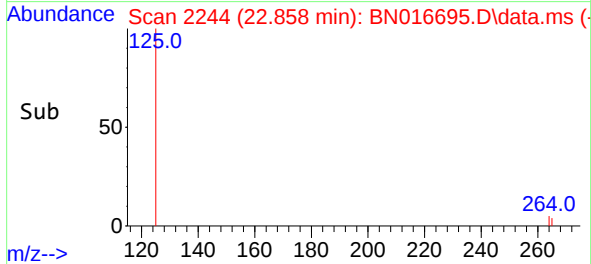
mohammad
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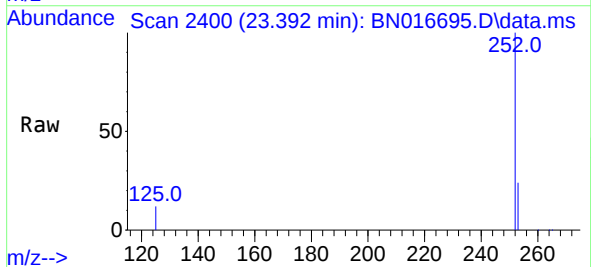
#38
Benzo(k)fluoranthene
Concen: 1.89 ng m
RT: 22.858 min Scan# 2244
Delta R.T. 0.004 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00



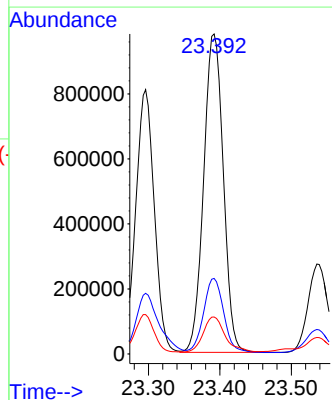
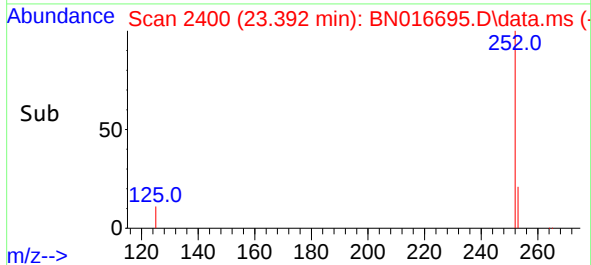
Tgt Ion:252 Resp: 1004546
Ion Ratio Lower Upper
252 100
253 24.5 17.8 26.6
125 14.4 8.0 12.0#



#39
Benzo(a)pyrene
Concen: 3.90 ng
RT: 23.392 min Scan# 2400
Delta R.T. 0.004 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00



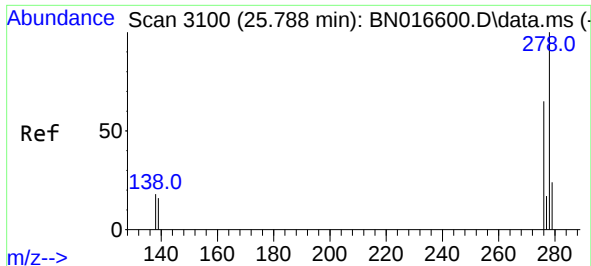
Tgt Ion:252 Resp: 1872578
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.8
125 11.5 9.0 13.4



Instrument :
BNA_N
ClientSampleId :
S-823-N-SO-0-0.5-092221

Manual Integrations
APPROVED

mohammad
10/4/2021 11:49:10 AM



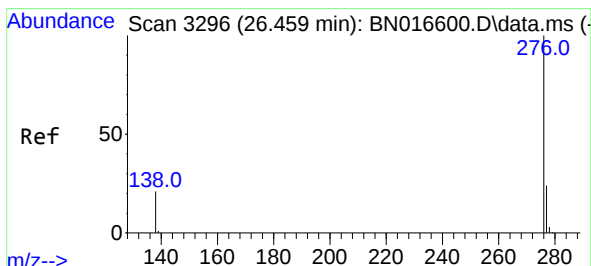
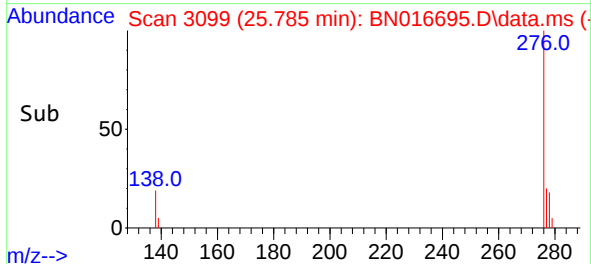
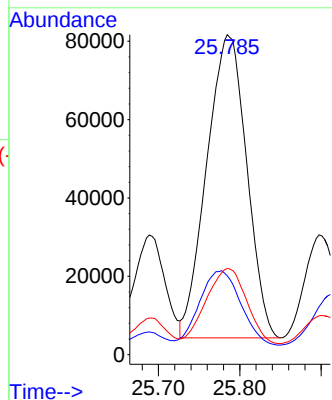
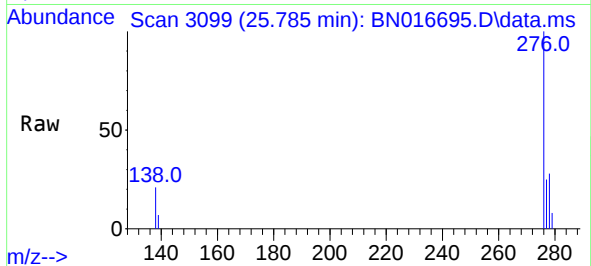
#40
Dibenzo(a,h)anthracene
Concen: 0.55 ng
RT: 25.785 min Scan# 3099
Delta R.T. -0.003 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00

Tgt Ion: 278 Resp: 263833
Ion Ratio Lower Upper
278 100
139 24.7 13.1 19.7#
279 27.0 19.1 28.7

Instrument :
BNA_N
ClientSampleId :
S-823-N-SO-0-0.5-092221

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#41
Benzo(g,h,i)perylene
Concen: 1.80 ng
RT: 26.473 min Scan# 3300
Delta R.T. 0.014 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00

Tgt Ion: 276 Resp: 950570
Ion Ratio Lower Upper
276 100
277 24.2 19.0 28.6
138 22.6 16.9 25.3

