

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100121\
 Data File : BN016697.D
 Acq On : 03 Oct 2021 08:12
 Operator : CG/JU
 Sample : M3892-13
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-826-N-SO-0-0.5-092221

Manual Integrations
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mohammad
 10/4/2021 11:49:16 AM

Quant Time: Oct 04 03:37:37 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	7.643	152	30050	0.40	ng	0.00
7) Naphthalene-d8	10.407	136	141431	0.40	ng	# 0.00
13) Acenaphthene-d10	14.269	164	80674	0.40	ng	0.00
19) Phenanthrene-d10	17.018	188	159419	0.40	ng	#-0.01
29) Chrysene-d12	21.238	240	161136	0.40	ng	# 0.00
35) Perylene-d12	23.495	264	144999	0.40	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.273	112	21116	0.28	ng	0.02
5) Phenol-d6	6.831	99	21411	0.26	ng	0.00
8) Nitrobenzene-d5	8.772	82	26821	0.29	ng	-0.01
11) 2-Methylnaphthalene-d10	12.003	152	59635	0.29	ng	0.00
14) 2,4,6-Tribromophenol	15.766	330	12964	0.35	ng	0.00
15) 2-Fluorobiphenyl	12.886	172	75733	0.23	ng	-0.01
27) Fluoranthene-d10	19.068	212	121033	0.29	ng	0.00
31) Terphenyl-d14	19.679	244	103451	0.30	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.457	128	27632	0.07	ng	98
12) 2-Methylnaphthalene	12.074	142	19420	0.08	ng	97
16) Acenaphthylene	13.990	152	62302	0.18	ng	99
17) Acenaphthene	14.332	154	93004	0.39	ng	99
18) Fluorene	15.322	166	93650m	0.33	ng	
25) Phenanthrene	17.066	178	1853392	3.86	ng	99
26) Anthracene	17.152	178	346319	0.84	ng	# 93
28) Fluoranthene	19.098	202	3953910	7.63	ng	98
30) Pyrene	19.460	202	3548752	6.81	ng	# 93
32) Benzo(a)anthracene	21.217	228	1882576	3.81	ng	97
33) Chrysene	21.270	228	2265201m	4.52	ng	
34) Bis(2-ethylhexyl)phtha...	21.174	149	233823	1.19	ng	# 90
36) Indeno(1,2,3-cd)pyrene	25.774	276	886499	1.71	ng	97
37) Benzo(b)fluoranthene	22.821	252	2889565	6.20	ng	98
38) Benzo(k)fluoranthene	22.862	252	1046947m	2.27	ng	
39) Benzo(a)pyrene	23.396	252	1791942	4.32	ng	98
40) Dibenzo(a,h)anthracene	25.788	278	224510	0.54	ng	# 90
41) Benzo(g,h,i)perylene	26.476	276	795144	1.74	ng	98

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

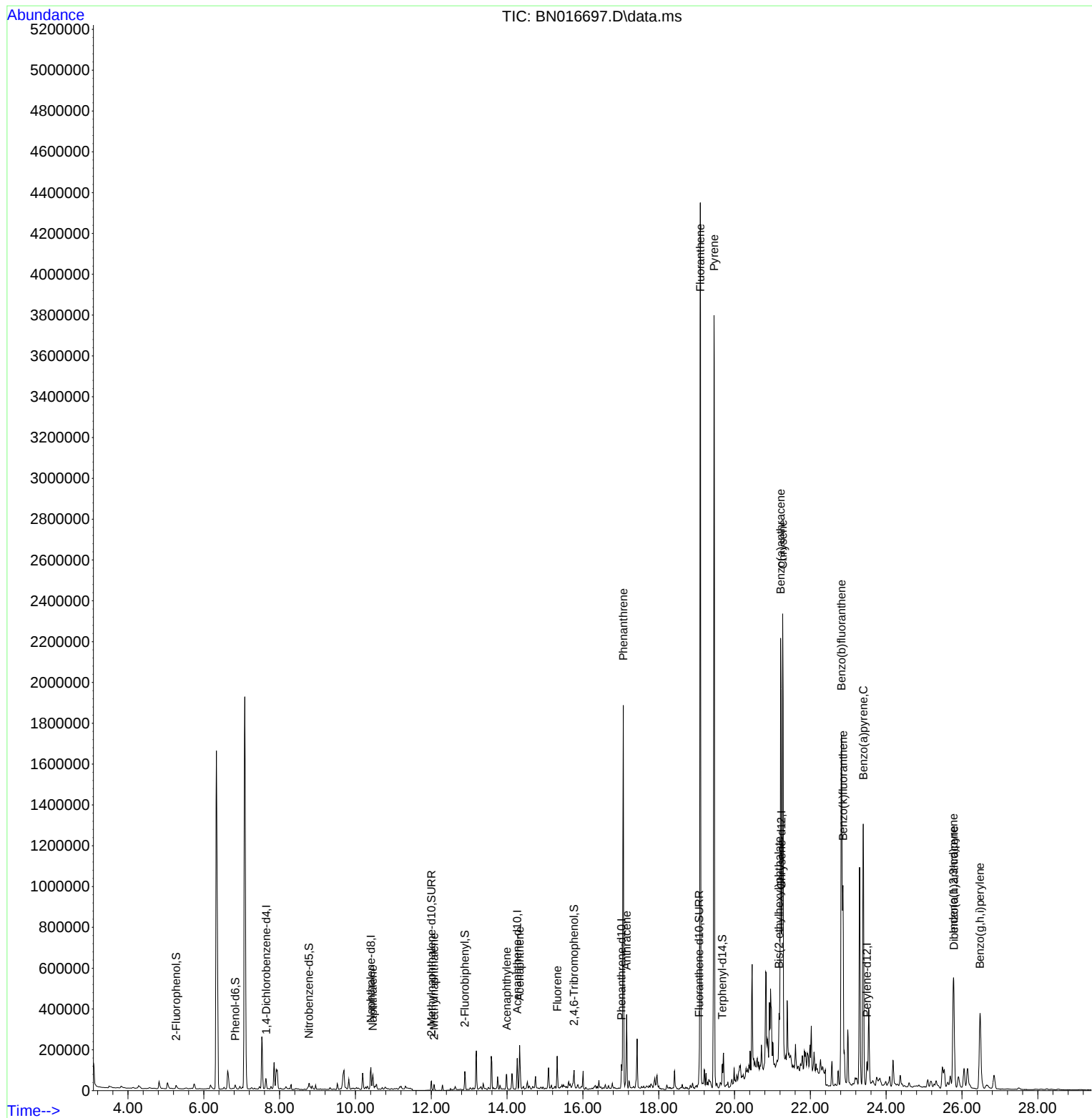
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100121\
Data File : BN016697.D
Acq On : 03 Oct 2021 08:12
Operator : CG/JU
Sample : M3892-13
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ALS Vial : 65 Sample Multiplier: 1

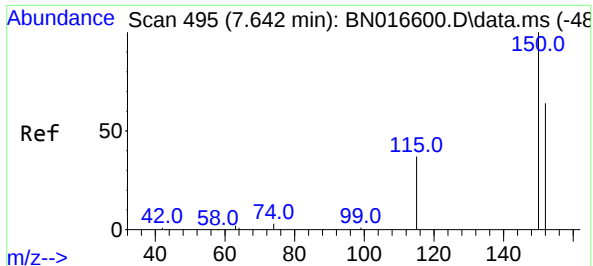
Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-0-0.5-092221

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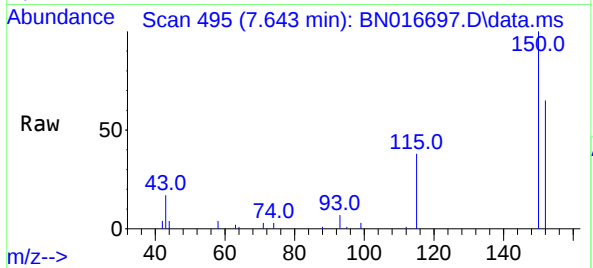
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Quant Time: Oct 04 03:37:37 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 01 13:35:26 2021
Response via : Initial Calibration

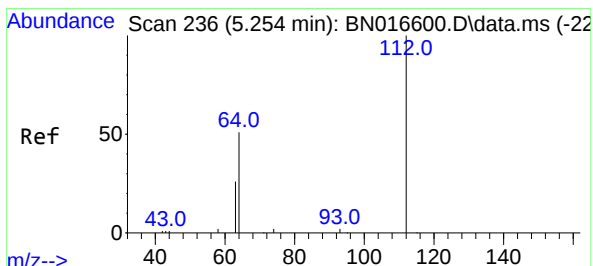
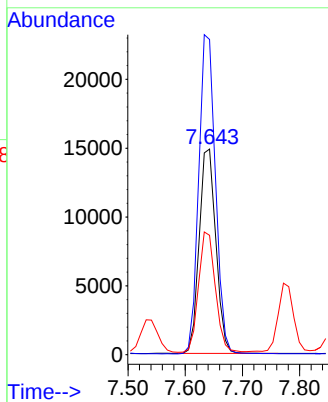
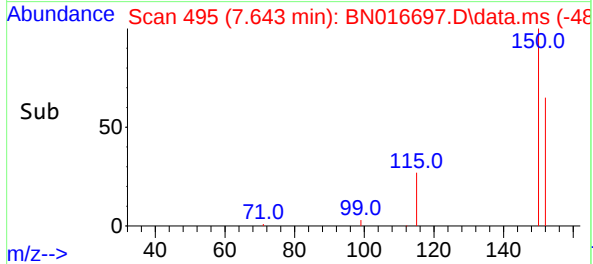




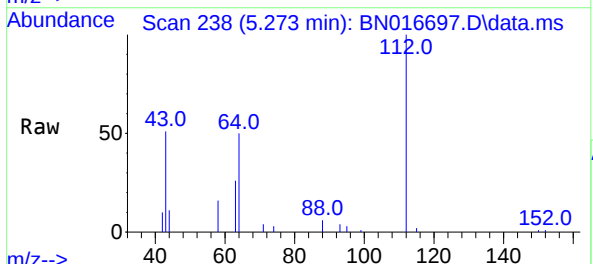
#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.643 min Scan# 495
Delta R.T. 0.000 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12



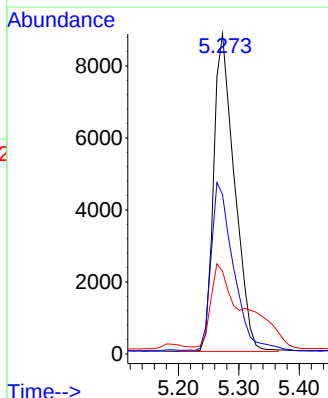
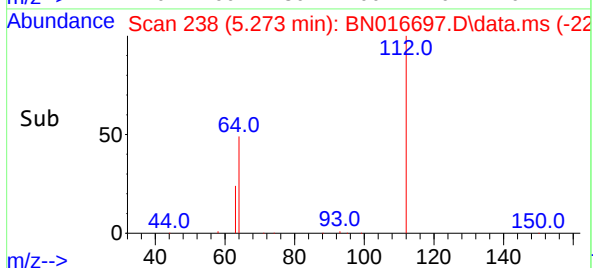
Tgt Ion:152 Resp: 30050
Ion Ratio Lower Upper
152 100
150 153.3 124.6 186.8
115 58.1 46.5 69.7



#4
2-Fluorophenol
Concen: 0.28 ng
RT: 5.273 min Scan# 238
Delta R.T. 0.019 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12



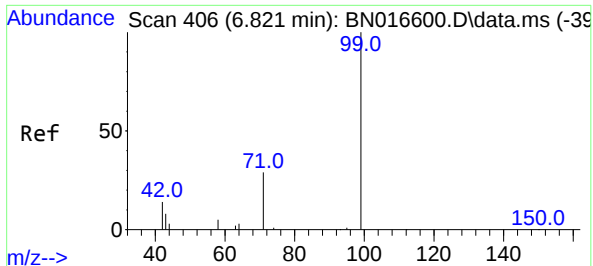
Tgt Ion:112 Resp: 21116
Ion Ratio Lower Upper
112 100
64 56.0 43.1 64.7
63 40.8 21.6 32.4#



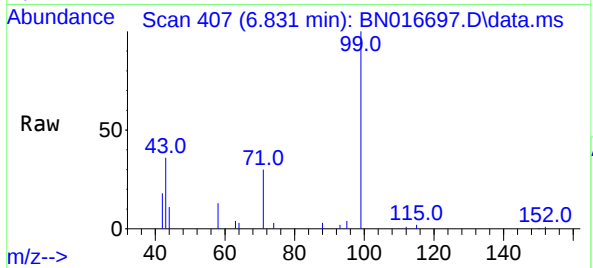
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ClientSampleId :
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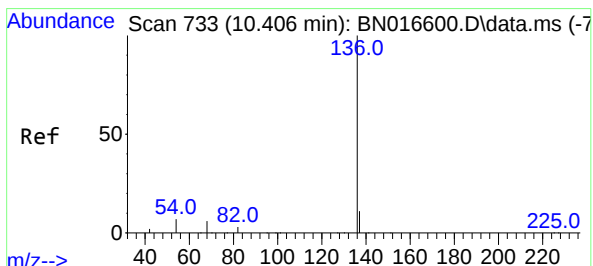
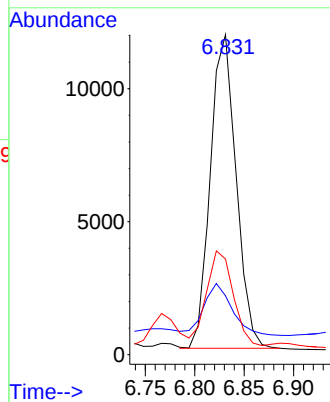
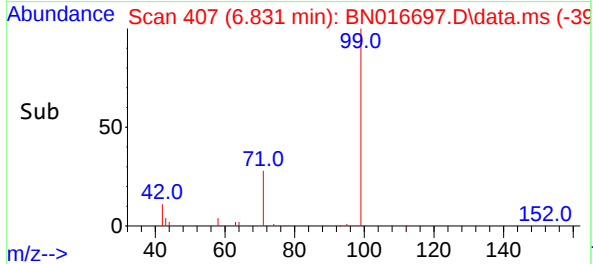
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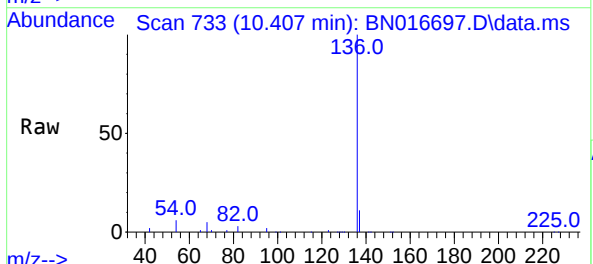
#5
Phenol-d6
Concen: 0.26 ng
RT: 6.831 min Scan# 407
Delta R.T. 0.010 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12



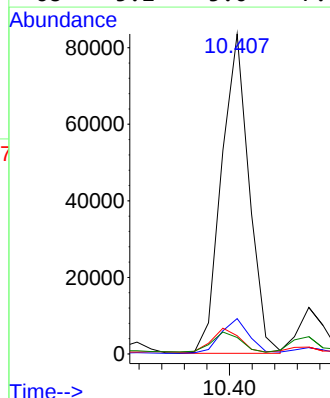
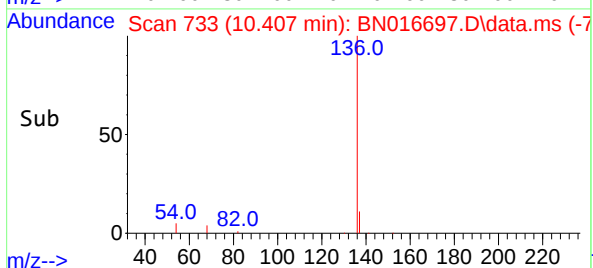
Tgt Ion: 99 Resp: 21411
Ion Ratio Lower Upper
99 100
42 18.0 13.0 19.6
71 31.0 23.5 35.3



#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.407 min Scan# 733
Delta R.T. 0.000 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12



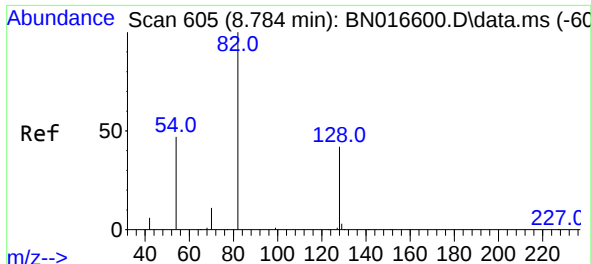
Tgt Ion: 136 Resp: 141431
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 5.7 5.9 8.9#
68 5.2 5.0 7.6



Instrument :
BNA_N
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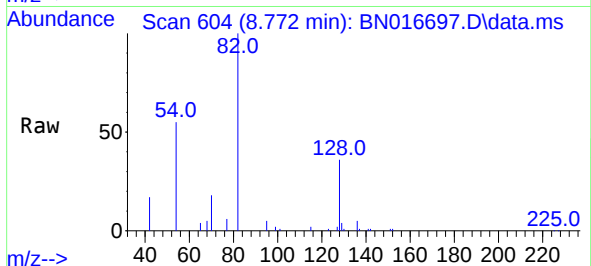
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#8
Nitrobenzene-d5
Concen: 0.29 ng
RT: 8.772 min Scan# 604
Delta R.T. -0.012 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

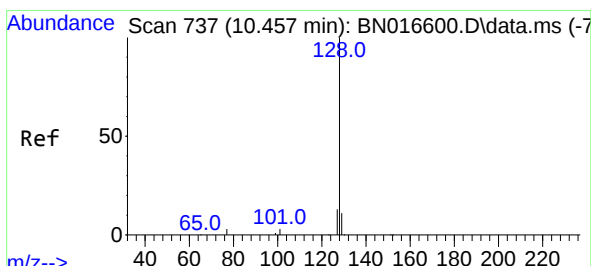
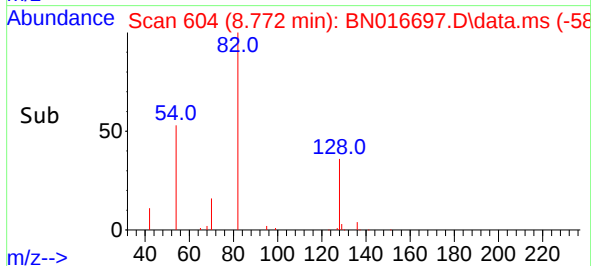
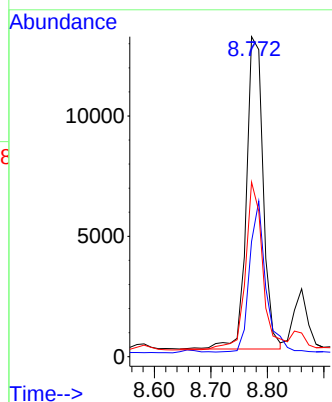
Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-0-0.5-092221



Tgt Ion: 82 Resp: 26821
Ion Ratio Lower Upper
82 100
128 36.0 33.6 50.4
54 54.5 37.6 56.4

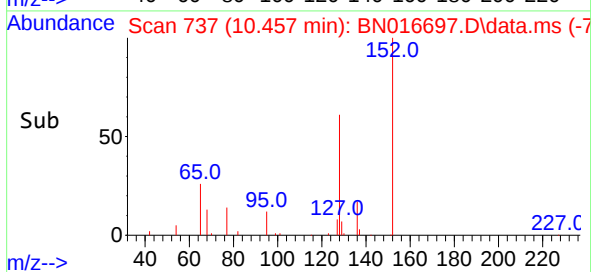
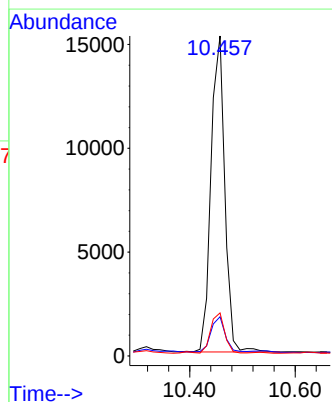
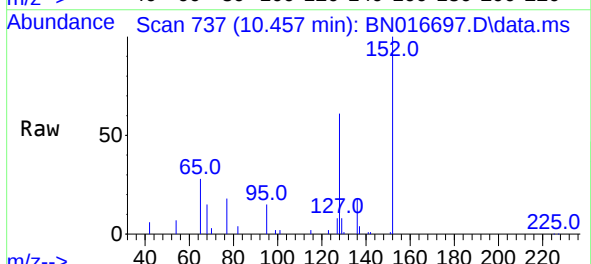
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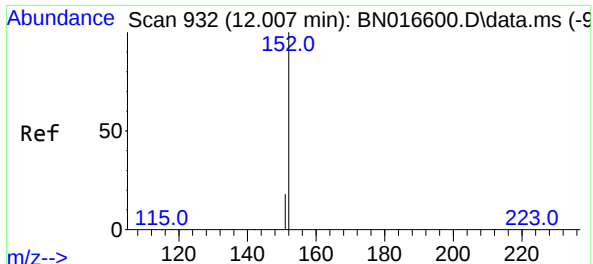
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#9
Naphthalene
Concen: 0.07 ng
RT: 10.457 min Scan# 737
Delta R.T. 0.000 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

Tgt Ion: 128 Resp: 27632
Ion Ratio Lower Upper
128 100
129 12.2 8.8 13.2
127 13.4 10.3 15.5





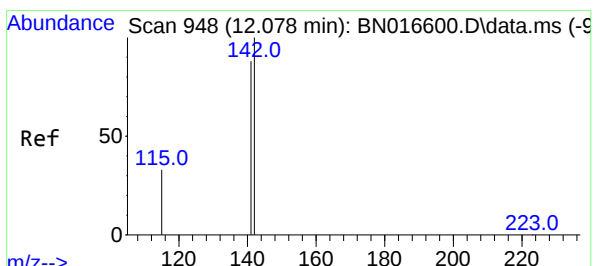
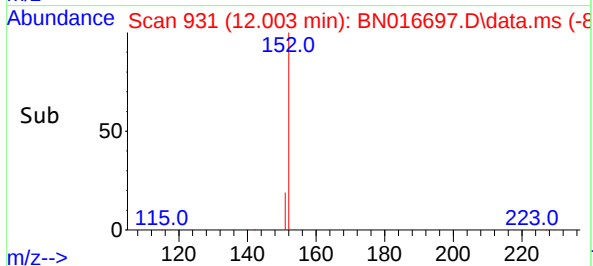
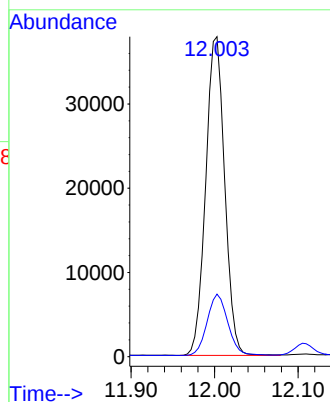
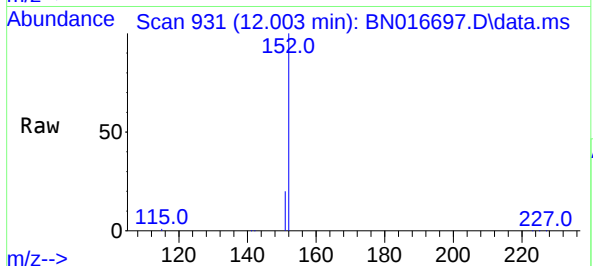
#11
2-Methylnaphthalene-d10
Concen: 0.29 ng
RT: 12.003 min Scan# 931
Delta R.T. -0.004 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

Tgt Ion:152 Resp: 59635
Ion Ratio Lower Upper
152 100
151 21.0 16.2 24.4

Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-0-0.5-092221

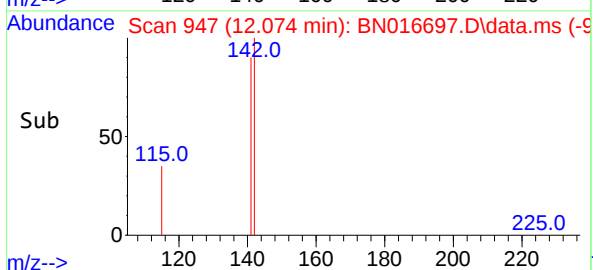
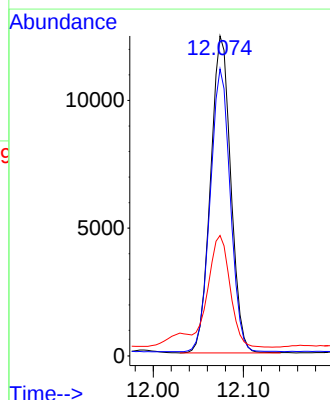
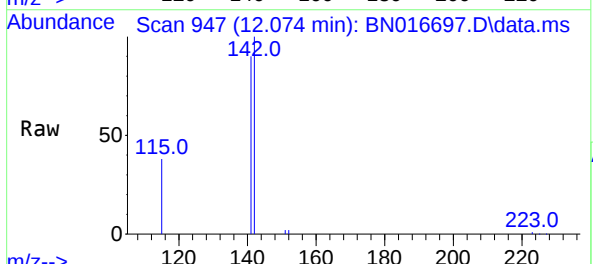
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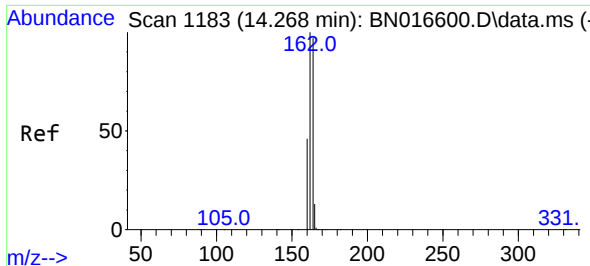
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#12
2-Methylnaphthalene
Concen: 0.08 ng
RT: 12.074 min Scan# 947
Delta R.T. -0.004 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

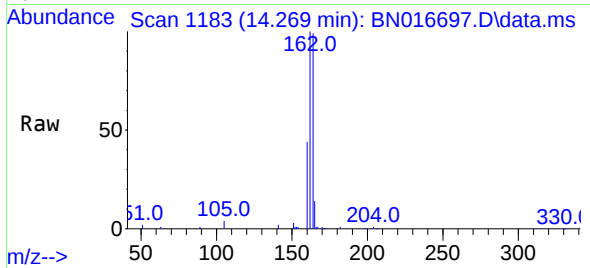
Tgt Ion:142 Resp: 19420
Ion Ratio Lower Upper
142 100
141 89.7 70.6 105.8
115 37.7 26.6 39.8





#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.269 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

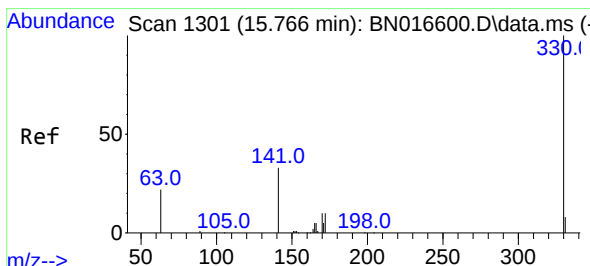
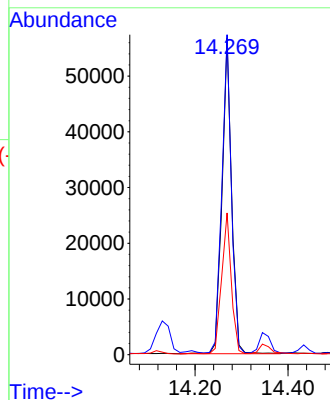
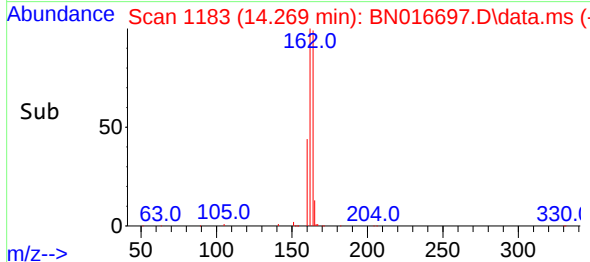
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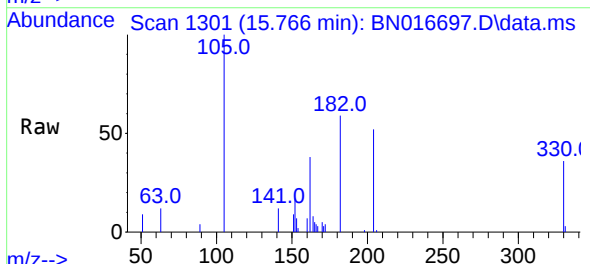
Tgt Ion:164 Resp: 80674
Ion Ratio Lower Upper
164 100
162 101.0 82.2 123.2
160 44.8 37.7 56.5

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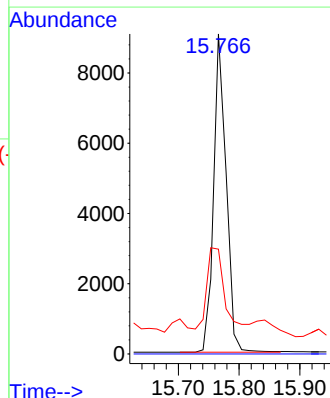
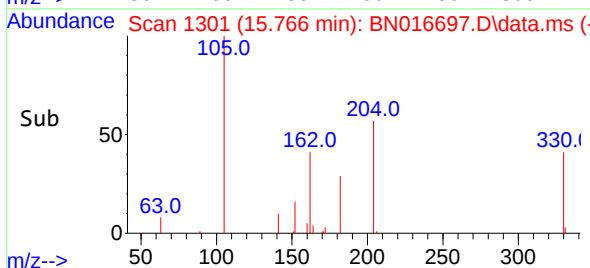
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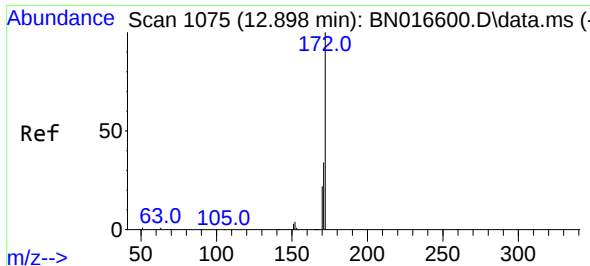


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2,4,6-Tribromophenol
Concen: 0.35 ng
RT: 15.766 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12



Tgt Ion:330 Resp: 12964
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 33.9 25.2 37.8





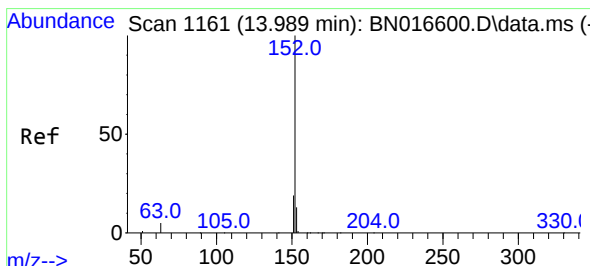
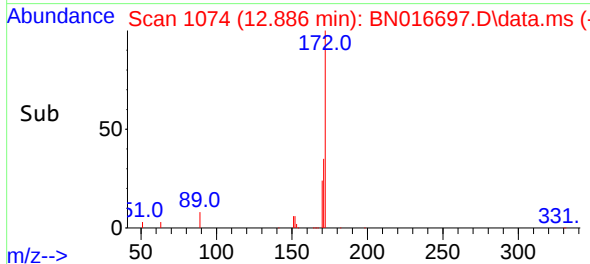
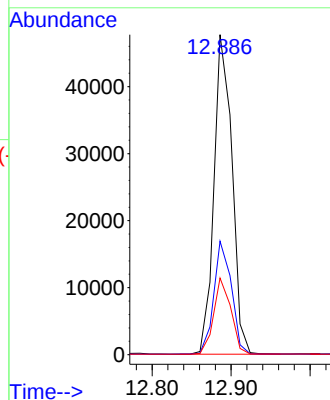
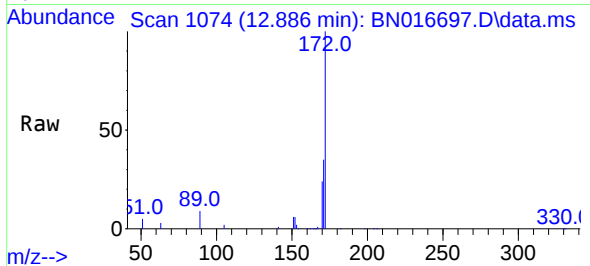
#15
2-Fluorobiphenyl
Concen: 0.23 ng
RT: 12.886 min Scan# 1074
Delta R.T. -0.012 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

Tgt Ion:172 Resp: 75733
Ion Ratio Lower Upper
172 100
171 35.5 27.0 40.4
170 24.0 17.4 26.2

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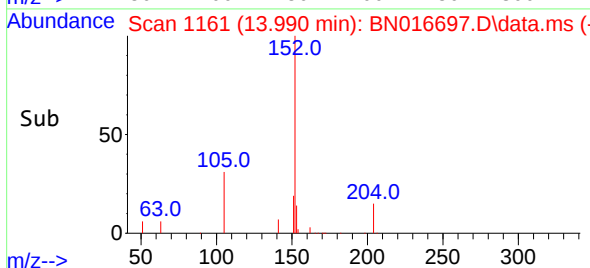
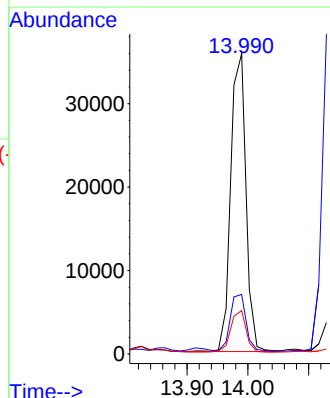
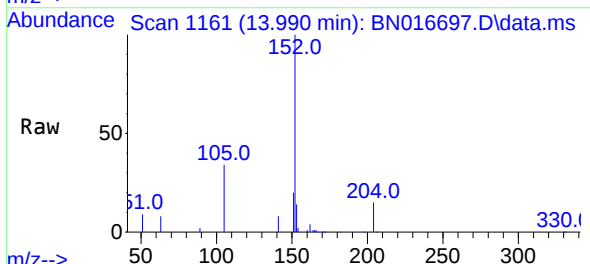
Manual Integrations
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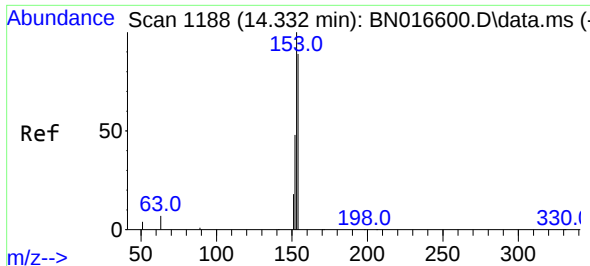
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#16
Acenaphthylene
Concen: 0.18 ng
RT: 13.990 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

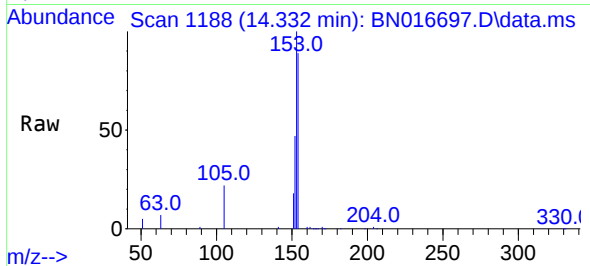
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Ion Ratio Lower Upper
152 100
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153 14.1 10.4 15.6





#17
Acenaphthene
Concen: 0.39 ng
RT: 14.332 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

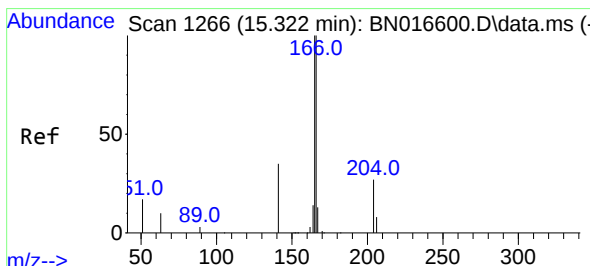
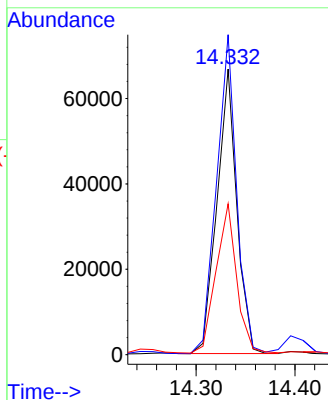
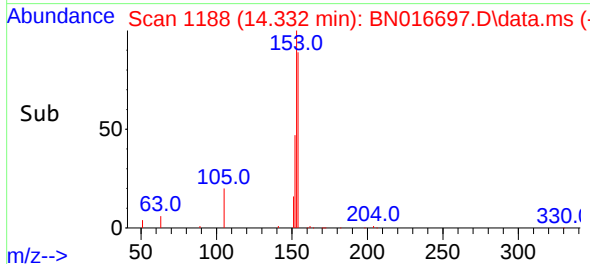
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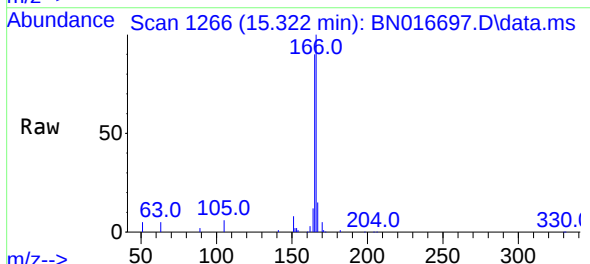
Tgt Ion:154 Resp: 93004
Ion Ratio Lower Upper
154 100
153 113.1 90.2 135.2
152 54.4 44.0 66.0

Manual Integrations
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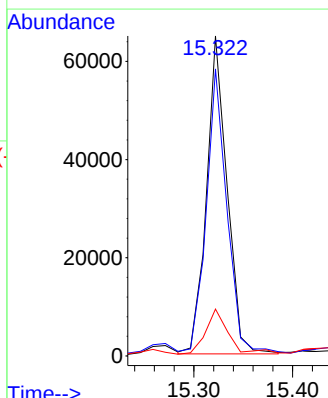
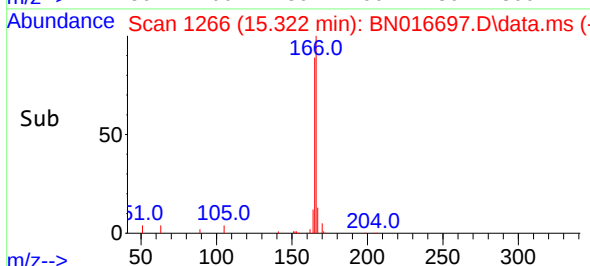
mohammad
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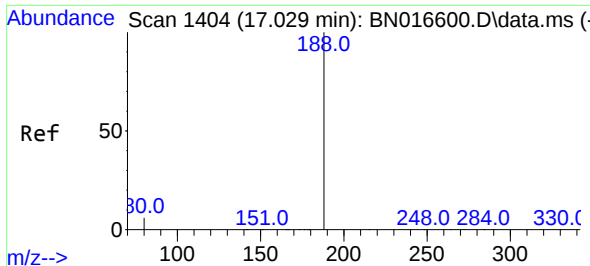


#18
Fluorene
Concen: 0.33 ng m
RT: 15.322 min Scan# 1266
Delta R.T. 0.000 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12



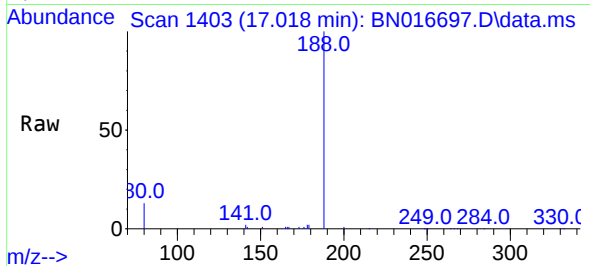
Tgt Ion:166 Resp: 93650
Ion Ratio Lower Upper
166 100
165 89.2 77.9 116.9
167 16.1 10.7 16.1#





#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.018 min Scan# 1403
Delta R.T. -0.012 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

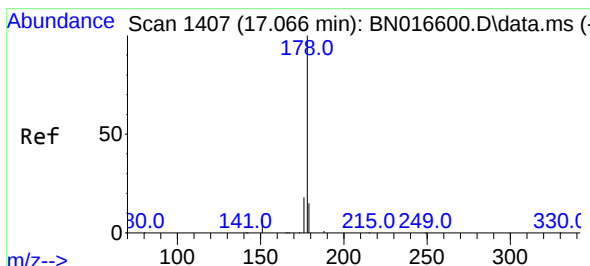
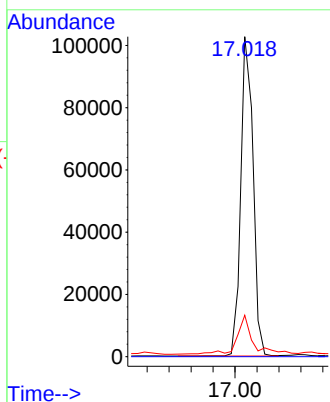
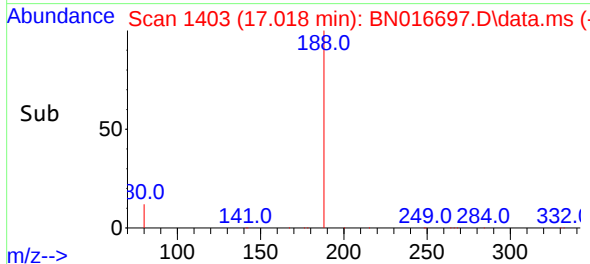
Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-0-0.5-092221



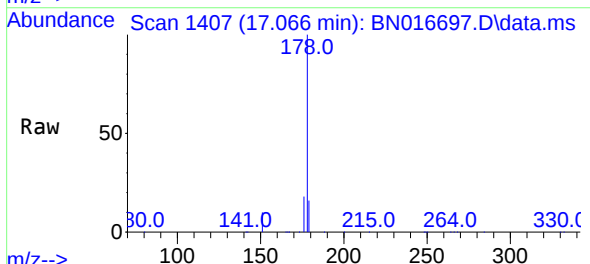
Tgt Ion:188 Resp: 159419
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.9 5.0 7.6#

Manual Integrations
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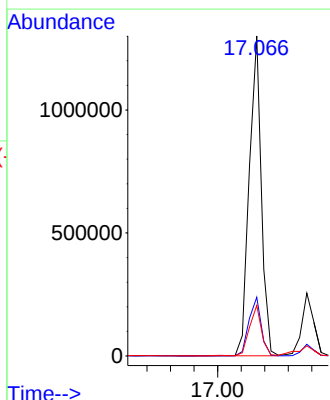
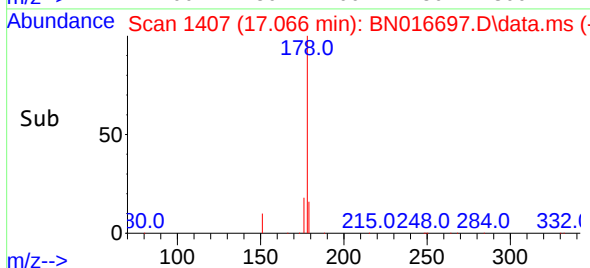
mohammad
10/4/2021 11:49:16 AM

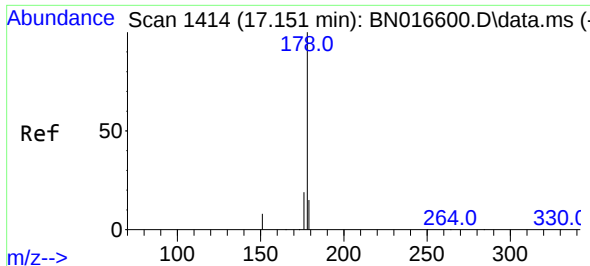


#25
Phenanthrene
Concen: 3.86 ng
RT: 17.066 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12



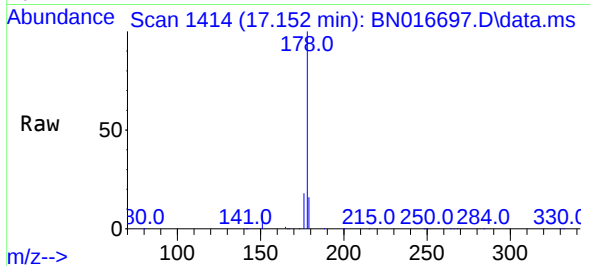
Tgt Ion:178 Resp: 1853392
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.4
179 15.9 12.2 18.4





#26
 Anthracene
 Concen: 0.84 ng
 RT: 17.152 min Scan# 1414
 Delta R.T. 0.000 min
 Lab File: BN016697.D
 Acq: 03 Oct 2021 08:12

Instrument :
 BNA_N
 ClientSampleId :
 S-826-N-SO-0-0.5-092221

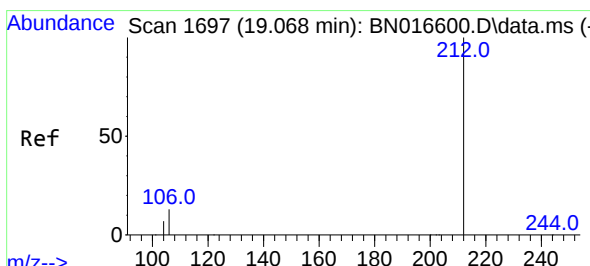
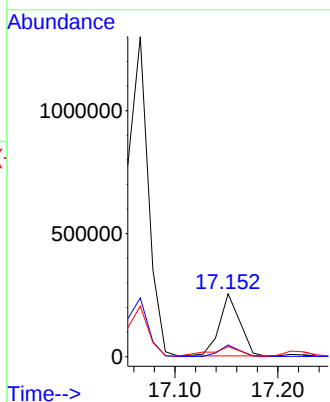
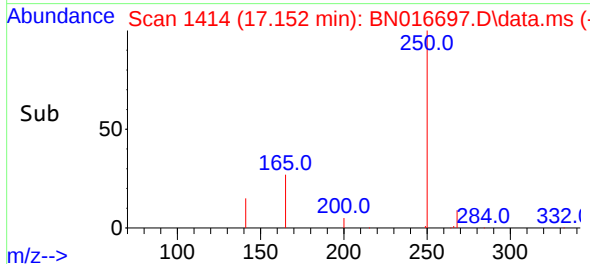


Tgt Ion:178 Resp: 346319

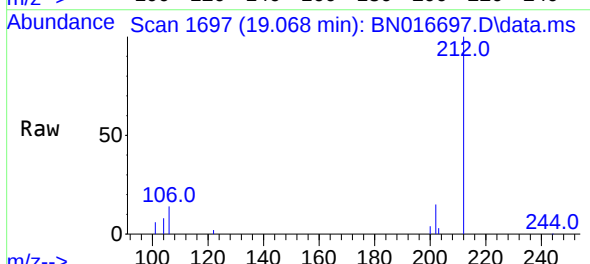
Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	21.8
179	21.8	12.2	18.4#

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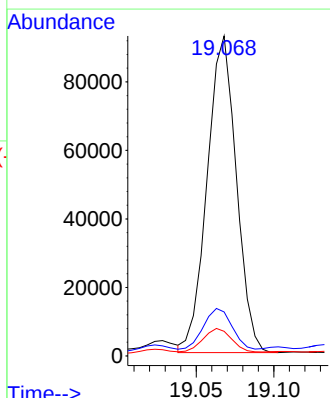
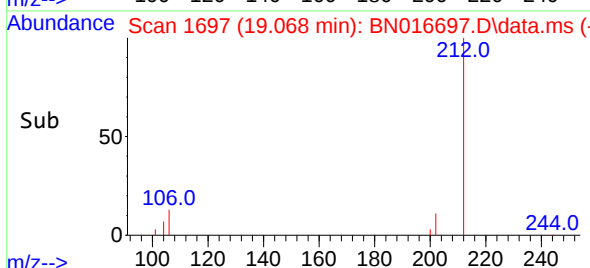


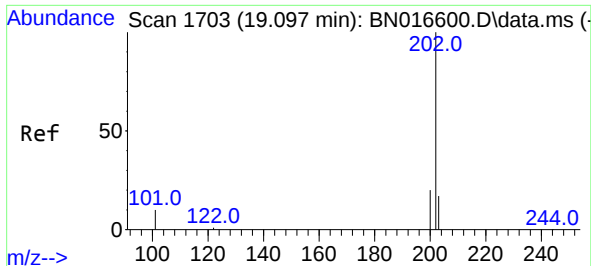
#27
 Fluoranthene-d10
 Concen: 0.29 ng
 RT: 19.068 min Scan# 1697
 Delta R.T. 0.000 min
 Lab File: BN016697.D
 Acq: 03 Oct 2021 08:12



Tgt Ion:212 Resp: 121033

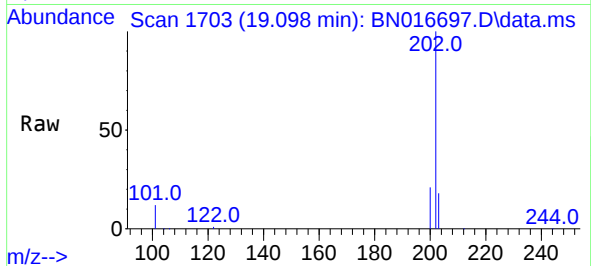
Ion	Ratio	Lower	Upper
212	100		
106	12.8	10.6	16.0
104	7.4	5.9	8.9





#28
Fluoranthene
Concen: 7.63 ng
RT: 19.098 min Scan# 1703
Delta R.T. 0.000 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

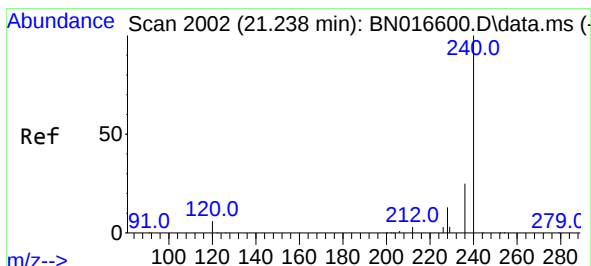
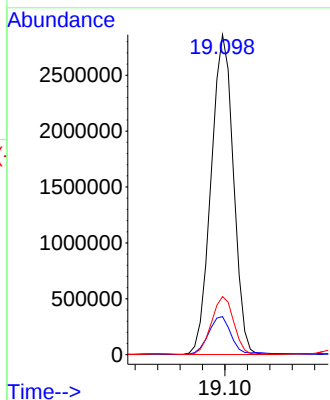
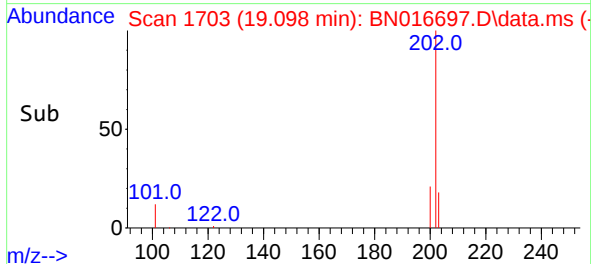
Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-0-0.5-092221



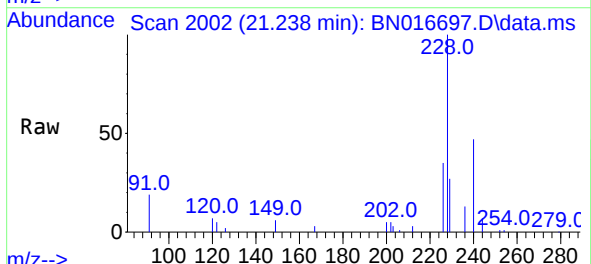
Tgt Ion:202 Resp: 3953910
Ion Ratio Lower Upper
202 100
101 12.5 9.0 13.4
203 18.0 13.8 20.6

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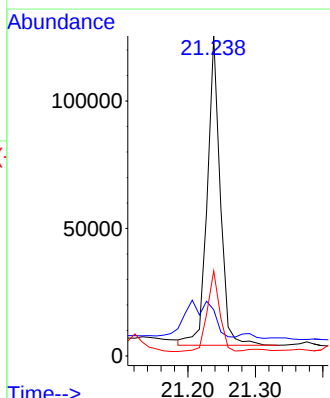
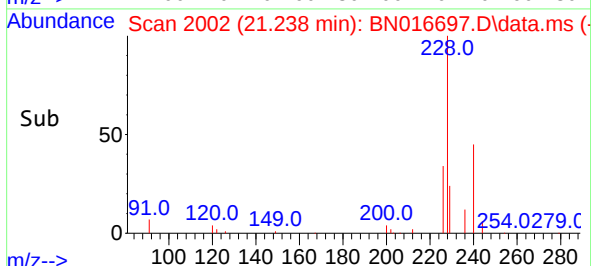
mohammad
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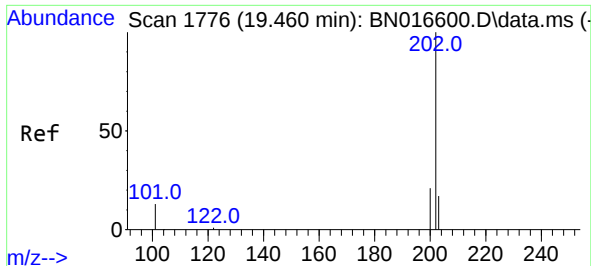


#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12



Tgt Ion:240 Resp: 161136
Ion Ratio Lower Upper
240 100
120 14.5 5.0 7.4#
236 26.6 20.4 30.6





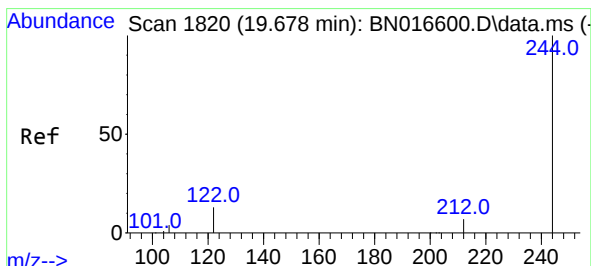
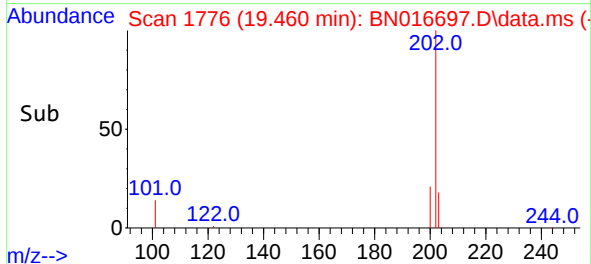
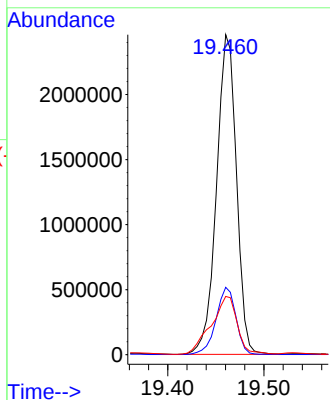
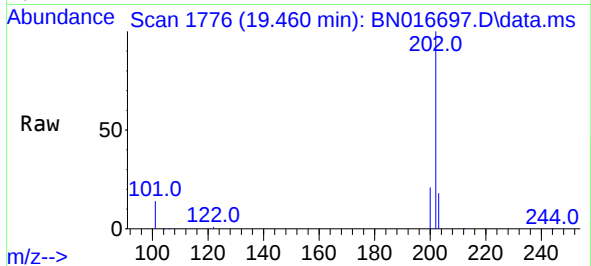
#30
Pyrene
Concen: 6.81 ng
RT: 19.460 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

Tgt Ion:202 Resp: 3548752
Ion Ratio Lower Upper
202 100
200 21.0 16.5 24.7
203 23.6 14.0 21.0#

Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-0-0.5-092221

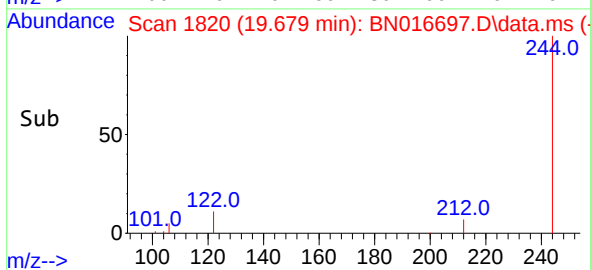
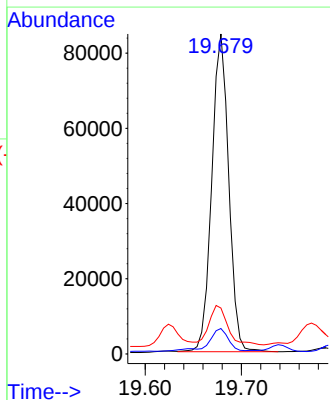
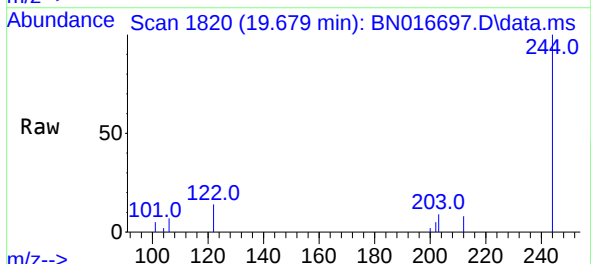
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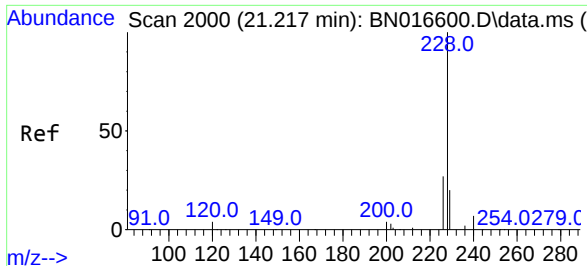
mohammad
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#31
Terphenyl-d14
Concen: 0.30 ng
RT: 19.679 min Scan# 1820
Delta R.T. 0.000 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

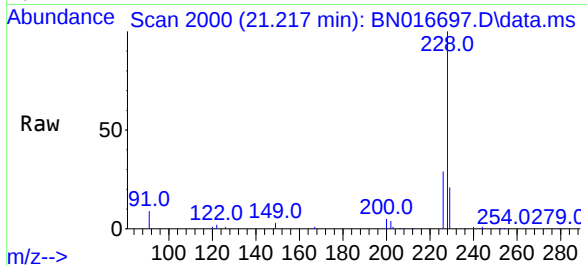
Tgt Ion:244 Resp: 103451
Ion Ratio Lower Upper
244 100
212 8.0 6.0 9.0
122 14.3 10.1 15.1





#32
Benzo(a)anthracene
Concen: 3.81 ng
RT: 21.217 min Scan# 2000
Delta R.T. 0.000 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

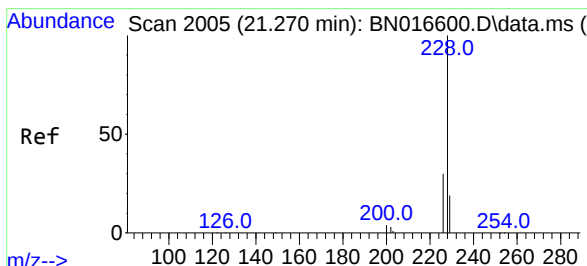
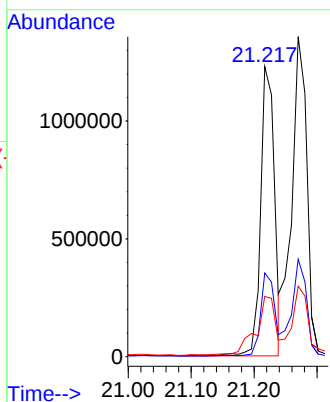
Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-0-0.5-092221



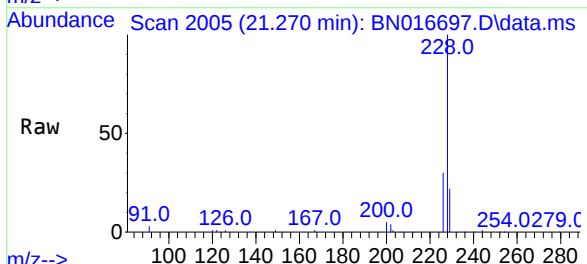
Tgt Ion:228 Resp: 1882576
Ion Ratio Lower Upper
228 100
226 28.8 21.9 32.9
229 20.8 15.7 23.5

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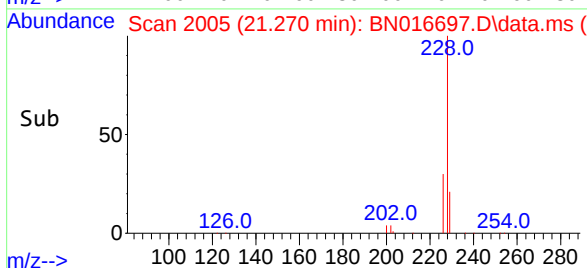
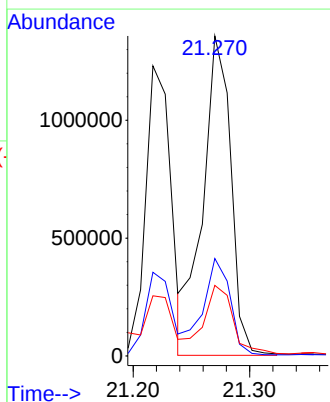
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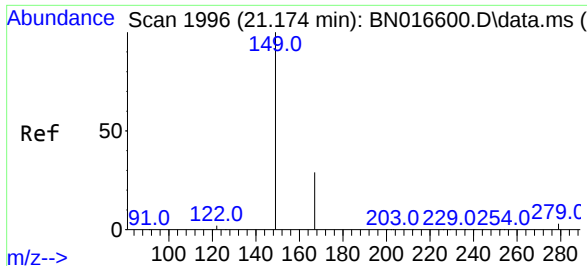


#33
Chrysene
Concen: 4.52 ng m
RT: 21.270 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12



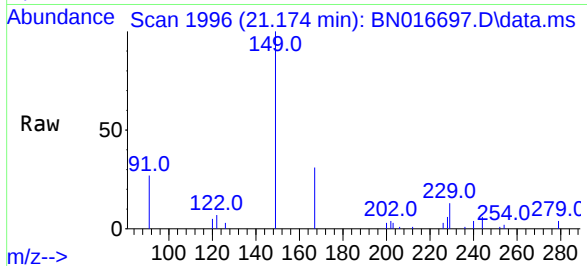
Tgt Ion:228 Resp: 2265201
Ion Ratio Lower Upper
228 100
226 30.5 23.7 35.5
229 22.1 15.5 23.3





#34
Bis(2-ethylhexyl)phthalate
Concen: 1.19 ng
RT: 21.174 min Scan# 1996
Delta R.T. 0.000 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

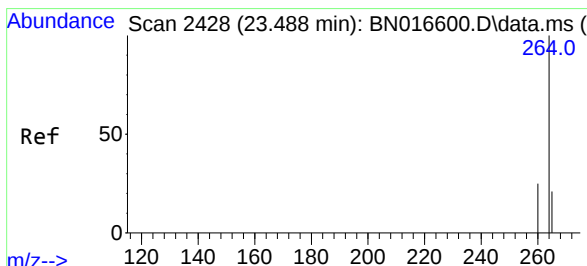
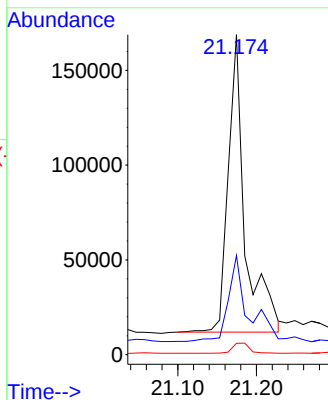
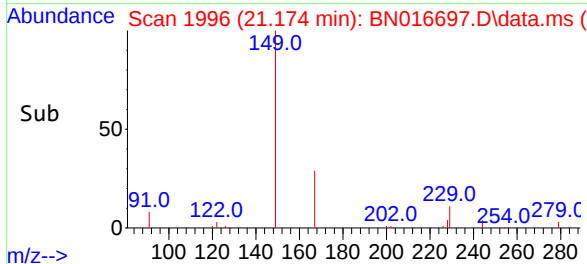
Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-0-0.5-092221



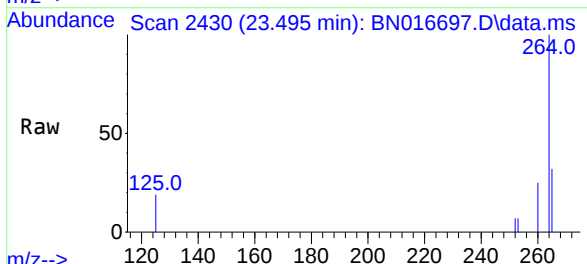
Tgt Ion:149 Resp: 233823
Ion Ratio Lower Upper
149 100
167 33.4 22.2 33.4#
279 3.4 3.2 4.8

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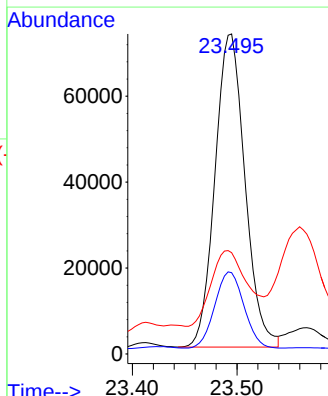
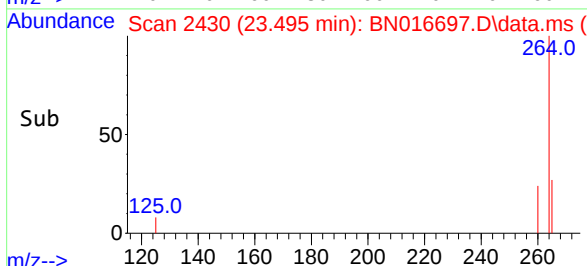
mohammad
10/4/2021 11:49:16 AM

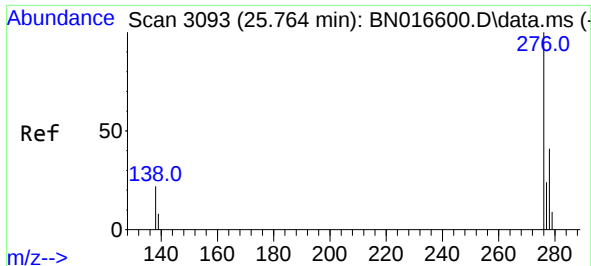


#35
Perylene-d12
Concen: 0.40 ng
RT: 23.495 min Scan# 2430
Delta R.T. 0.007 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

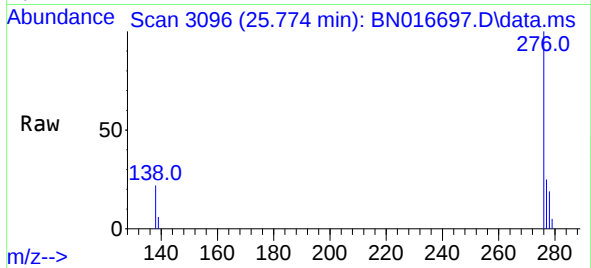


Tgt Ion:264 Resp: 144999
Ion Ratio Lower Upper
264 100
260 25.4 19.9 29.9
265 31.7 19.2 28.8#

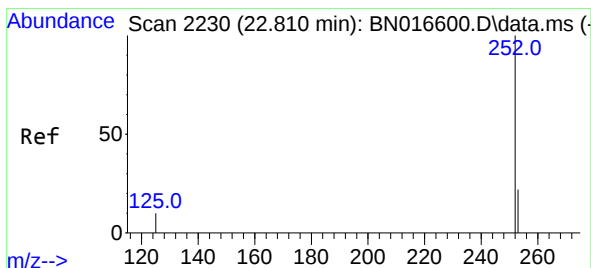
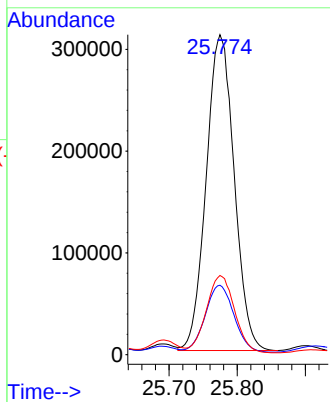
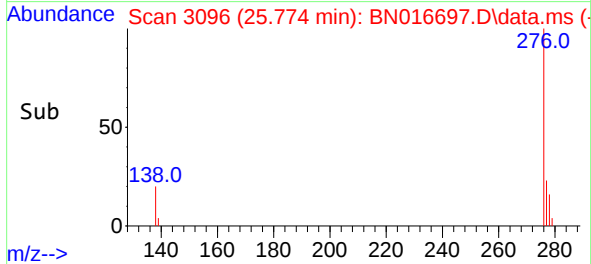




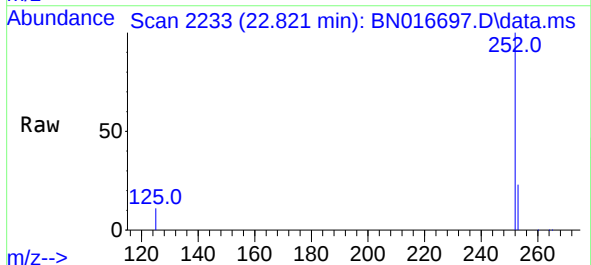
#36
Indeno(1,2,3-cd)pyrene
Concen: 1.71 ng
RT: 25.774 min Scan# 3096
Delta R.T. 0.011 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12



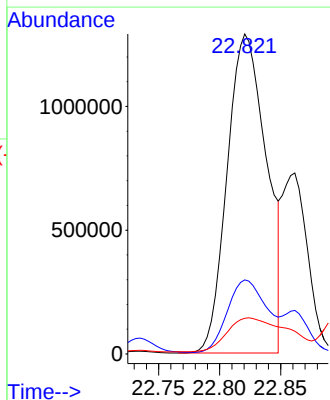
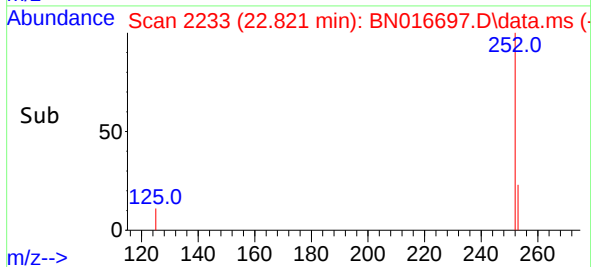
Tgt Ion: 276 Resp: 886499
Ion Ratio Lower Upper
276 100
138 21.8 19.5 29.3
277 24.7 19.9 29.9



#37
Benzo(b)fluoranthene
Concen: 6.20 ng
RT: 22.821 min Scan# 2233
Delta R.T. 0.011 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12



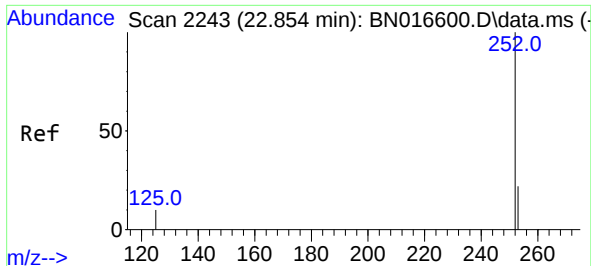
Tgt Ion: 252 Resp: 2889565
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 11.2 8.0 12.0



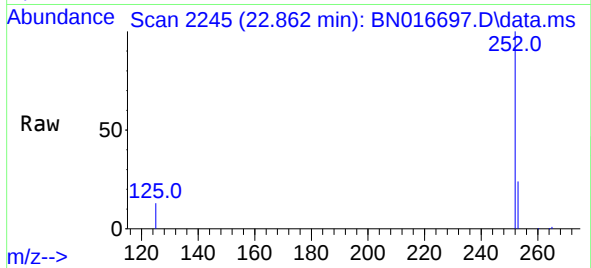
Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-0-0.5-092221

Manual Integrations
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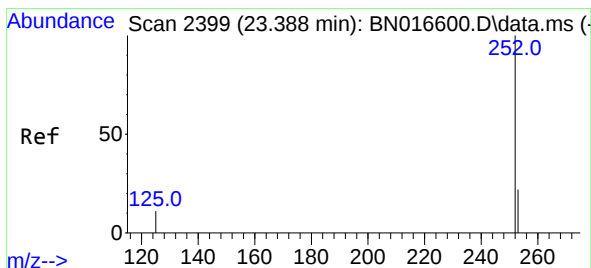
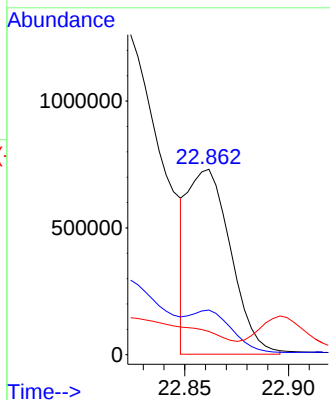
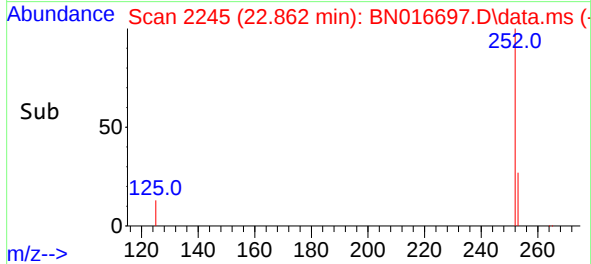
mohammad
10/4/2021 11:49:16 AM



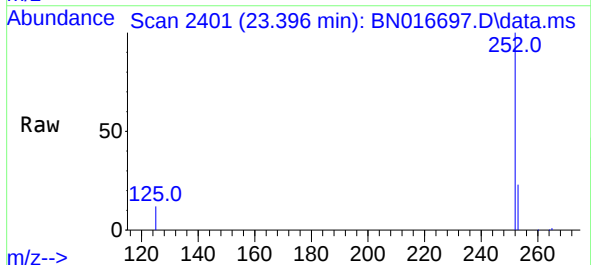
#38
Benzo(k)fluoranthene
Concen: 2.27 ng m
RT: 22.862 min Scan# 2245
Delta R.T. 0.007 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12



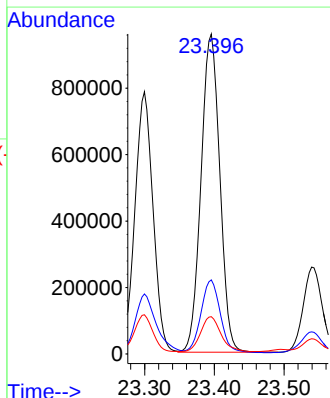
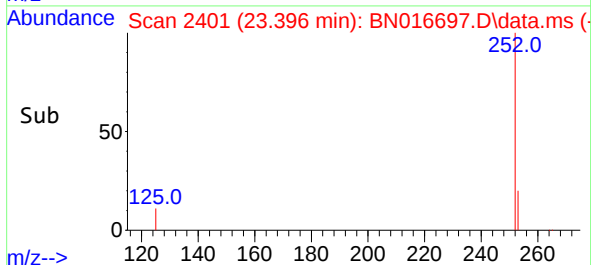
Tgt Ion:252 Resp: 1046947
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.6
125 12.5 8.0 12.0#



#39
Benzo(a)pyrene
Concen: 4.32 ng
RT: 23.396 min Scan# 2401
Delta R.T. 0.007 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12



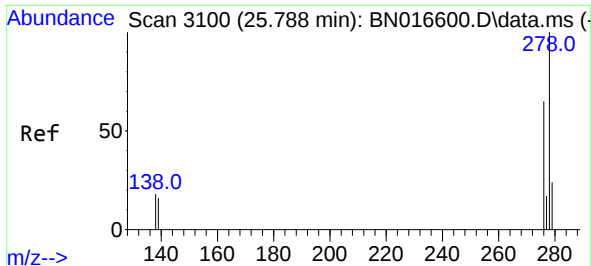
Tgt Ion:252 Resp: 1791942
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.8
125 11.6 9.0 13.4



Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-0-0.5-092221

Manual Integrations
APPROVED

mohammad
10/4/2021 11:49:16 AM



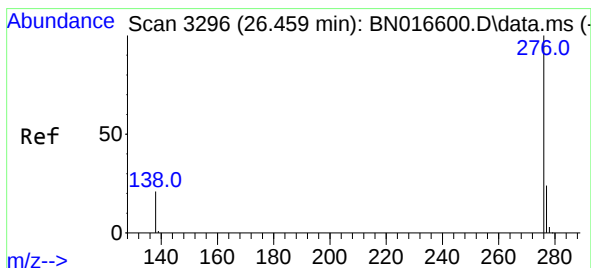
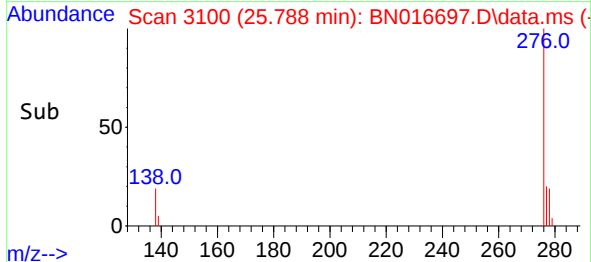
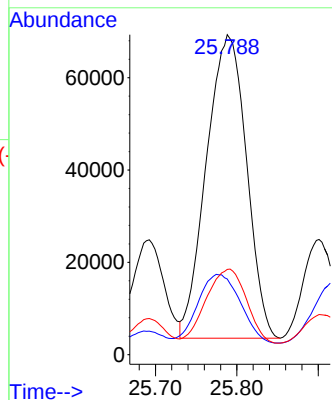
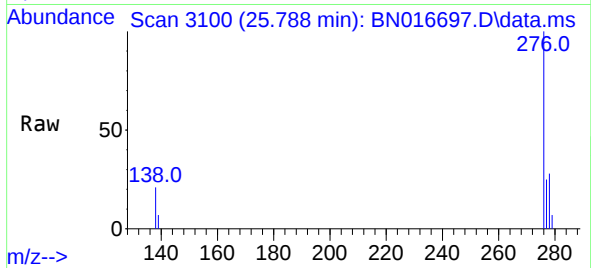
#40
Dibenzo(a,h)anthracene
Concen: 0.54 ng
RT: 25.788 min Scan# 3100
Delta R.T. 0.000 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

Tgt Ion: 278 Resp: 224510
Ion Ratio Lower Upper
278 100
139 23.6 13.1 19.7#
279 26.6 19.1 28.7

Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-0-0.5-092221

Manual Integrations
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#41
Benzo(g,h,i)perylene
Concen: 1.74 ng
RT: 26.476 min Scan# 3301
Delta R.T. 0.018 min
Lab File: BN016697.D
Acq: 03 Oct 2021 08:12

Tgt Ion: 276 Resp: 795144
Ion Ratio Lower Upper
276 100
277 24.3 19.0 28.6
138 22.1 16.9 25.3

