

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100121\
 Data File : BN016685.D
 Acq On : 02 Oct 2021 23:45
 Operator : CG/JU
 Sample : M3892-04
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-829-J-SO-3-3.5-092221

Manual Integrations
 APPROVED

mohammad
 10/4/2021 11:48:58 AM

Quant Time: Oct 04 03:36:05 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	29271	0.400	ng	0.00
7) Naphthalene-d8	10.407	136	134868	0.400	ng	# 0.00
13) Acenaphthene-d10	14.269	164	74725	0.400	ng	0.00
19) Phenanthrene-d10	17.018	188	145643	0.400	ng	#-0.01
29) Chrysene-d12	21.228	240	145311	0.400	ng	#-0.01
35) Perylene-d12	23.481	264	151267	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.273	112	18979	0.255	ng	0.02
5) Phenol-d6	6.831	99	19301	0.236	ng	0.00
8) Nitrobenzene-d5	8.785	82	21610	0.246	ng	0.00
11) 2-Methylnaphthalene-d10	12.003	152	54050	0.271	ng	0.00
14) 2,4,6-Tribromophenol	15.766	330	8732	0.257	ng	0.00
15) 2-Fluorobiphenyl	12.886	172	68987	0.228	ng	-0.01
27) Fluoranthene-d10	19.063	212	108922	0.281	ng	0.00
31) Terphenyl-d14	19.679	244	84527	0.268	ng	0.00
Target Compounds						Qvalue
17) Acenaphthene	14.332	154	7159	0.033	ng	99
25) Phenanthrene	17.066	178	17755m	0.041	ng	
28) Fluoranthene	19.093	202	54603	0.115	ng	97
30) Pyrene	19.460	202	47962	0.102	ng	# 93
32) Benzo(a)anthracene	21.217	228	41946	0.094	ng	98
33) Chrysene	21.270	228	38468	0.085	ng	97
34) Bis(2-ethylhexyl)phtha...	21.164	149	23505	0.132	ng	98
36) Indeno(1,2,3-cd)pyrene	25.761	276	30851	0.057	ng	# 93
37) Benzo(b)fluoranthene	22.807	252	48559	0.100	ng	# 91
38) Benzo(k)fluoranthene	22.851	252	35004m	0.073	ng	
39) Benzo(a)pyrene	23.382	252	36606	0.085	ng	# 89
41) Benzo(g,h,i)perylene	26.456	276	27320	0.057	ng	# 93

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

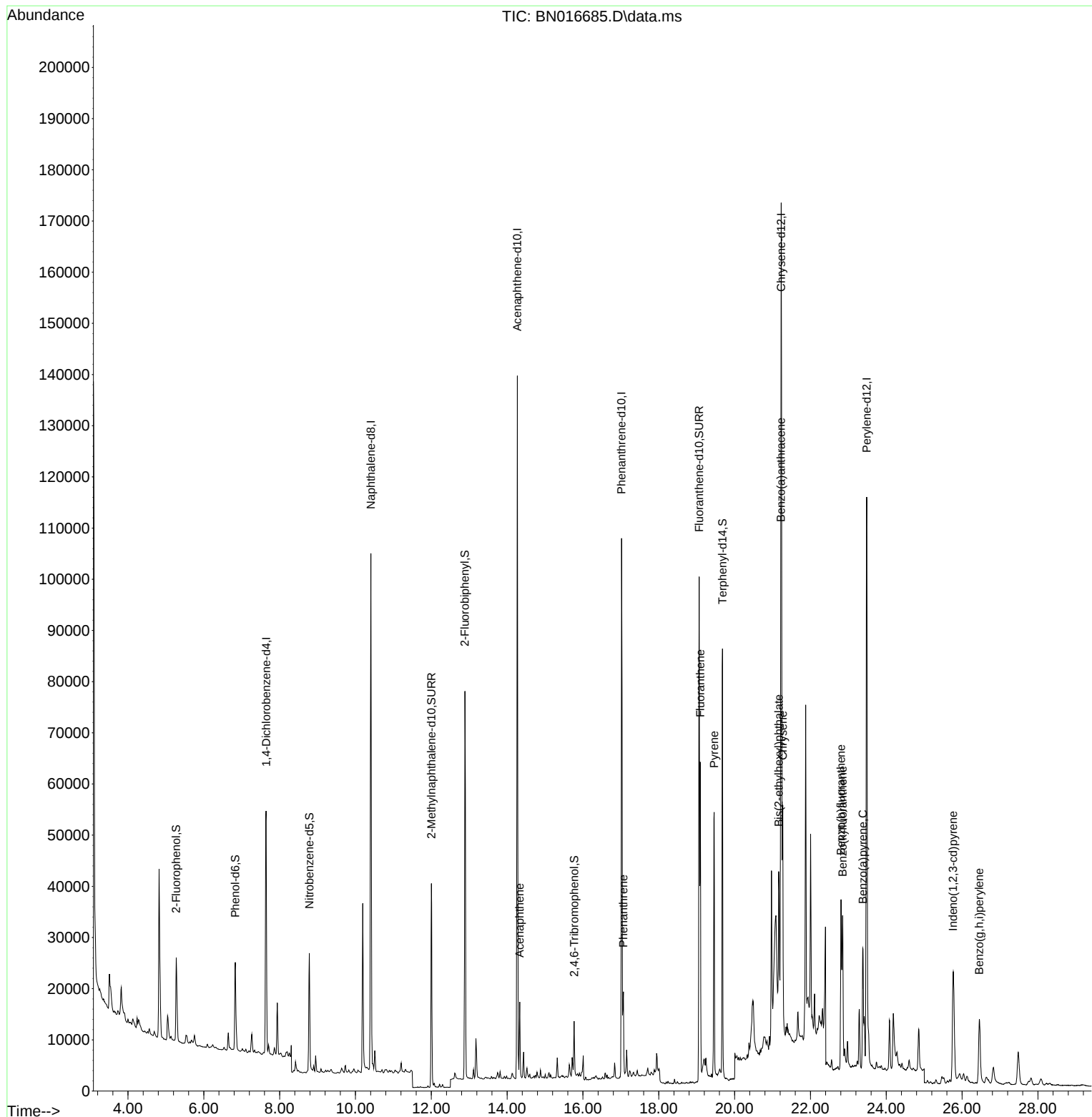
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100121\
Data File : BN016685.D
Acq On : 02 Oct 2021 23:45
Operator : CG/JU
Sample : M3892-04
Misc :
ALS Vial : 53 Sample Multiplier: 1

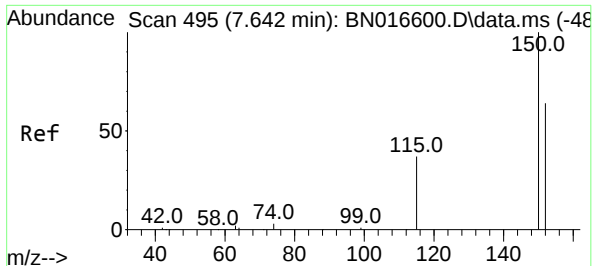
Instrument :
BNA_N
ClientSampleId :
S-829-J-SO-3-3.5-092221

Manual Integrations
APPROVED

mohammad
10/4/2021 11:48:58 AM

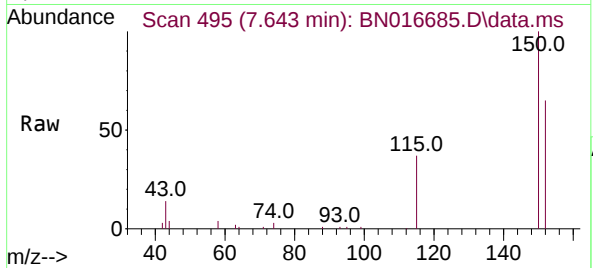
Quant Time: Oct 04 03:36:05 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 01 13:35:26 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.643 min Scan# 495
Delta R.T. 0.001 min
Lab File: BN016685.D
Acq: 02 Oct 2021 23:45

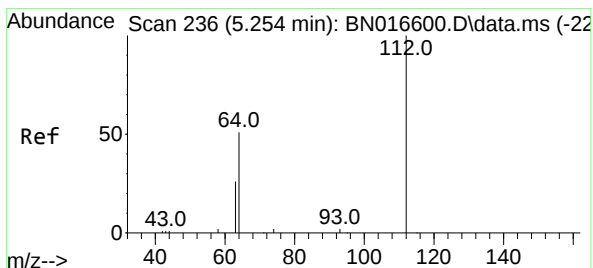
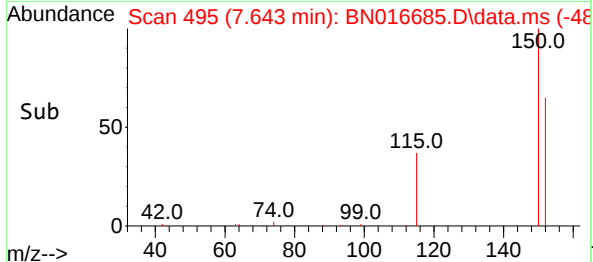
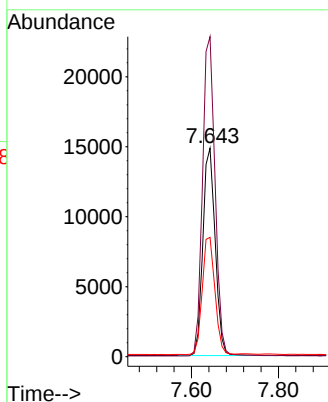
Instrument :
BNA_N
ClientSampleId :
S-829-J-SO-3-3.5-092221



Tgt Ion:152 Resp: 29271
Ion Ratio Lower Upper
152 100
150 153.5 124.6 186.8
115 57.3 46.5 69.7

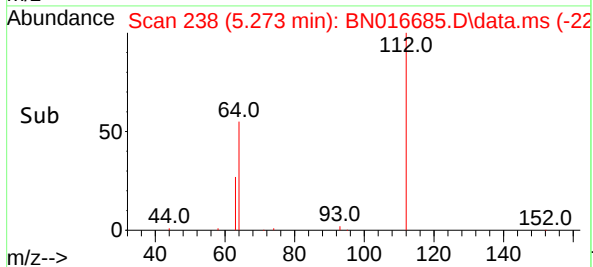
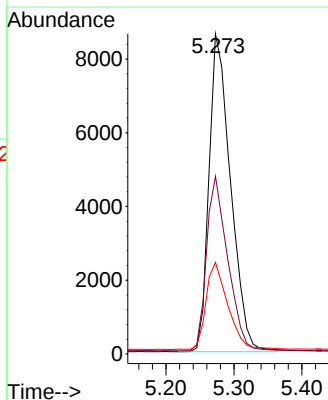
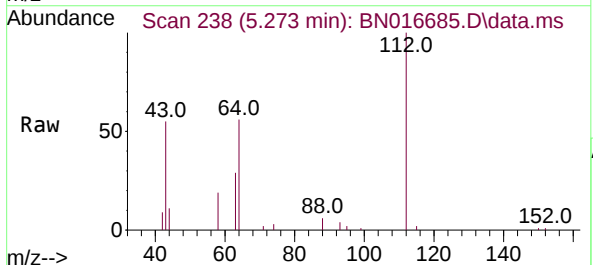
Manual Integrations
APPROVED

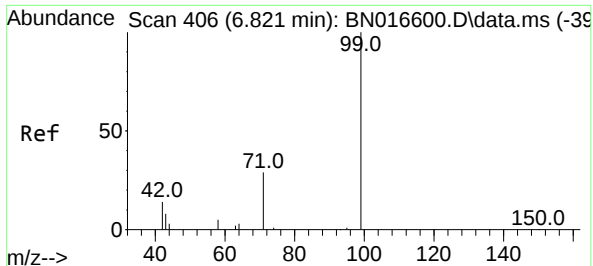
mohammad
10/4/2021 11:48:58 AM



#4
2-Fluorophenol
Concen: 0.255 ng
RT: 5.273 min Scan# 238
Delta R.T. 0.019 min
Lab File: BN016685.D
Acq: 02 Oct 2021 23:45

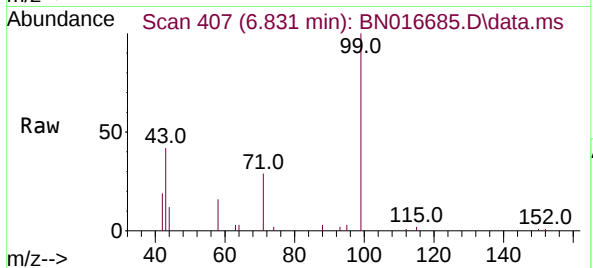
Tgt Ion:112 Resp: 18979
Ion Ratio Lower Upper
112 100
64 54.0 43.1 64.7
63 27.7 21.6 32.4





#5
Phenol-d6
Concen: 0.236 ng
RT: 6.831 min Scan# 407
Delta R.T. 0.010 min
Lab File: BN016685.D
Acq: 02 Oct 2021 23:45

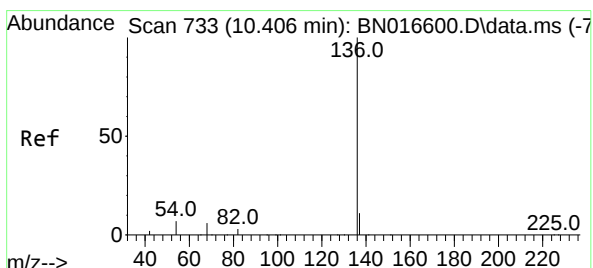
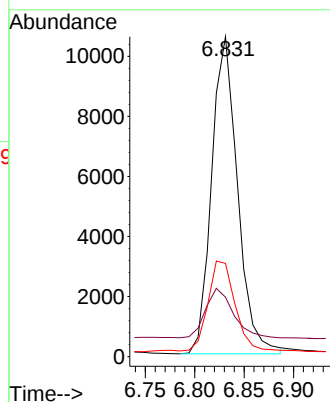
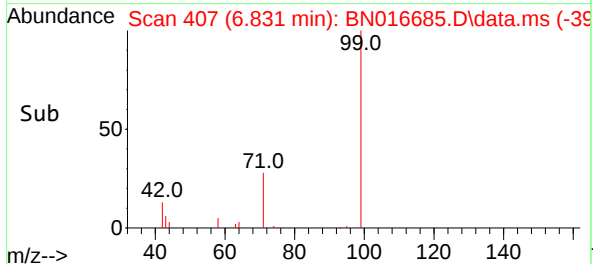
Instrument :
BNA_N
ClientSampleId :
S-829-J-SO-3-3.5-092221



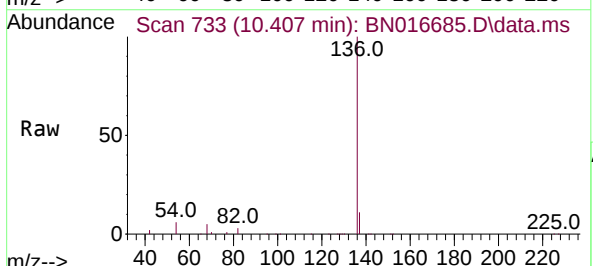
Tgt Ion: 99 Resp: 19301
Ion Ratio Lower Upper
99 100
42 16.5 13.0 19.6
71 30.4 23.5 35.3

Manual Integrations
APPROVED

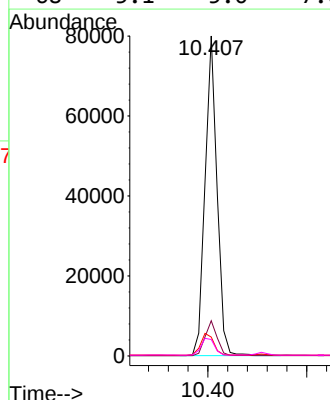
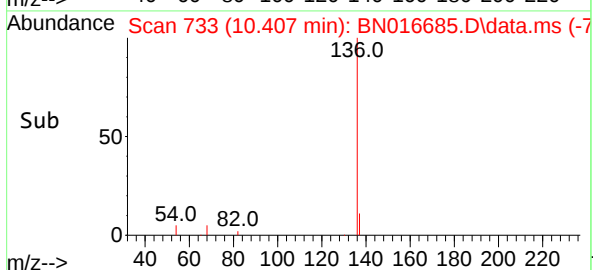
mohammad
10/4/2021 11:48:58 AM

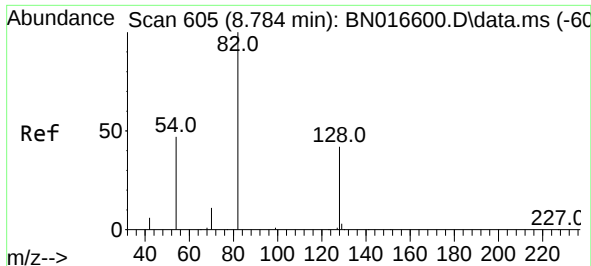


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.407 min Scan# 733
Delta R.T. 0.000 min
Lab File: BN016685.D
Acq: 02 Oct 2021 23:45



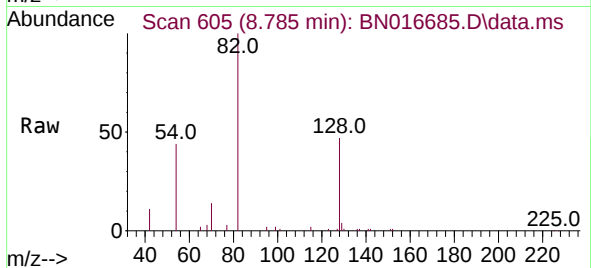
Tgt Ion: 136 Resp: 134868
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 5.9 5.9 8.9#
68 5.1 5.0 7.6





#8
Nitrobenzene-d5
Concen: 0.246 ng
RT: 8.785 min Scan# 605
Delta R.T. 0.000 min
Lab File: BN016685.D
Acq: 02 Oct 2021 23:45

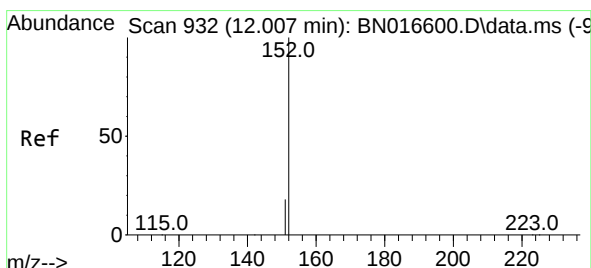
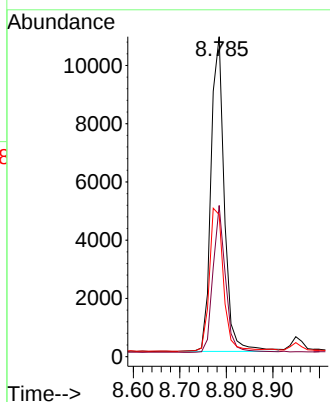
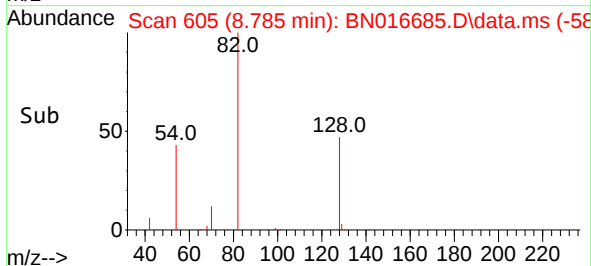
Instrument :
BNA_N
ClientSampleId :
S-829-J-SO-3-3.5-092221



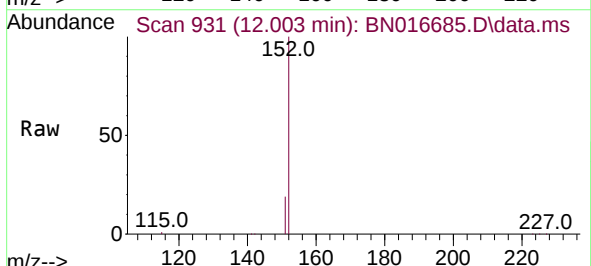
Tgt Ion:	82	Resp:	21610
Ion	Ratio	Lower	Upper
82	100		
128	47.3	33.6	50.4
54	44.4	37.6	56.4

Manual Integrations
APPROVED

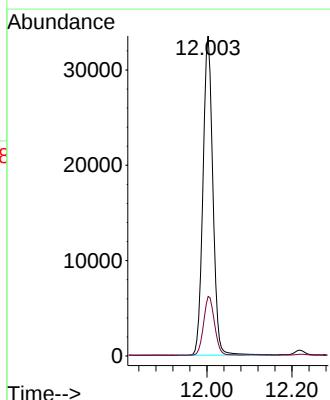
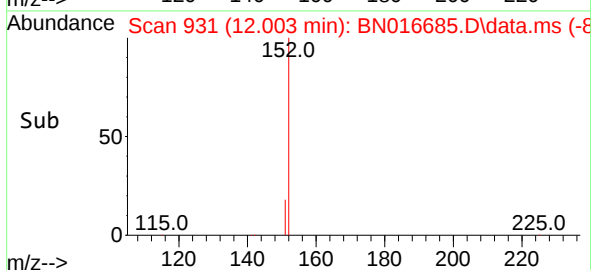
mohammad
10/4/2021 11:48:58 AM

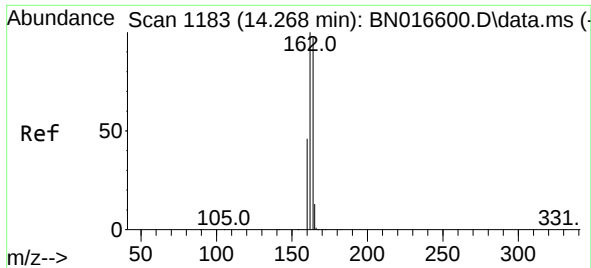


#11
2-Methylnaphthalene-d10
Concen: 0.271 ng
RT: 12.003 min Scan# 931
Delta R.T. -0.004 min
Lab File: BN016685.D
Acq: 02 Oct 2021 23:45



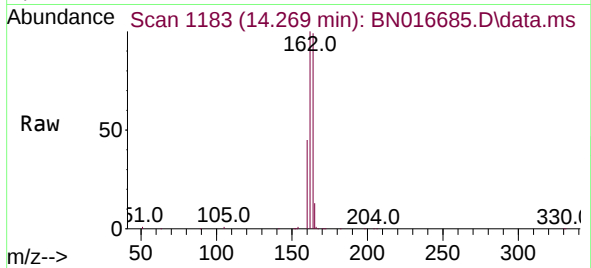
Tgt Ion:	152	Resp:	54050
Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.2	24.4





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.269 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BN016685.D
Acq: 02 Oct 2021 23:45

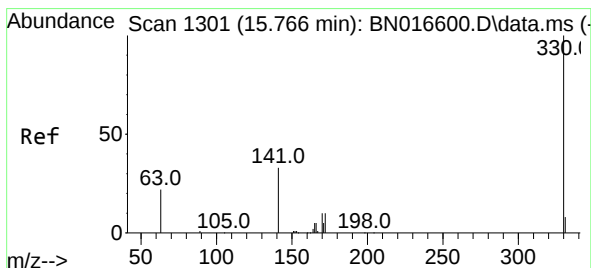
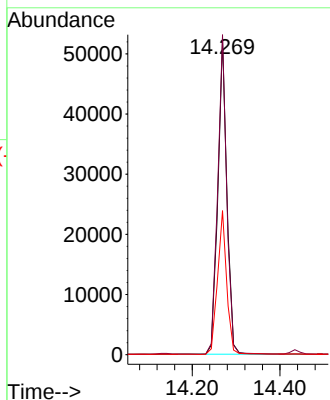
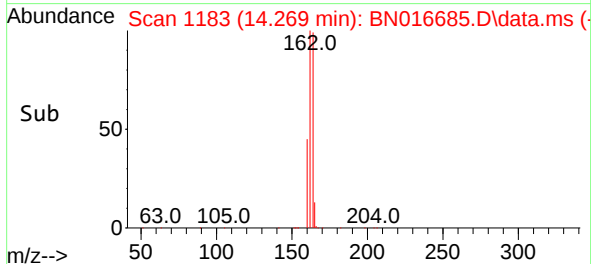
Instrument :
BNA_N
ClientSampleId :
S-829-J-SO-3-3.5-092221



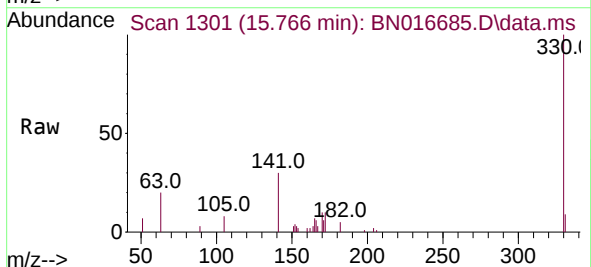
Tgt Ion:164 Resp: 74725
Ion Ratio Lower Upper
164 100
162 101.2 82.2 123.2
160 45.5 37.7 56.5

Manual Integrations
APPROVED

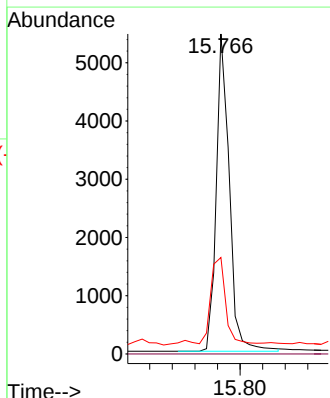
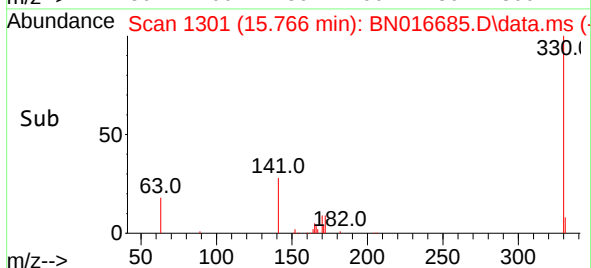
mohammad
10/4/2021 11:48:58 AM

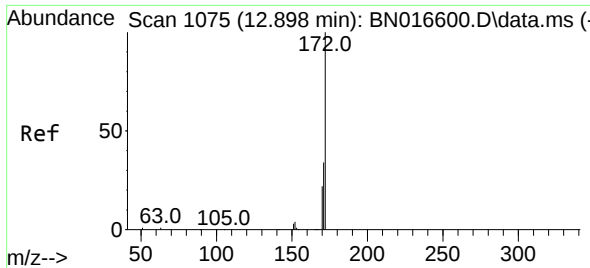


#14
2,4,6-Tribromophenol
Concen: 0.257 ng
RT: 15.766 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BN016685.D
Acq: 02 Oct 2021 23:45



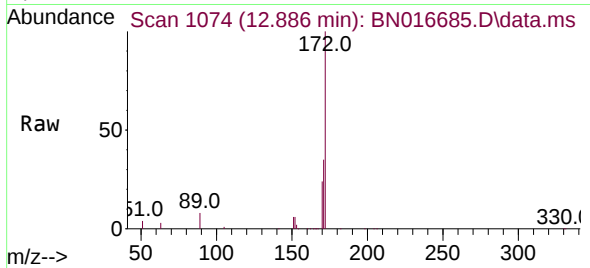
Tgt Ion:330 Resp: 8732
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 30.3 25.2 37.8





#15
2-Fluorobiphenyl
Concen: 0.228 ng
RT: 12.886 min Scan# 1074
Delta R.T. -0.012 min
Lab File: BN016685.D
Acq: 02 Oct 2021 23:45

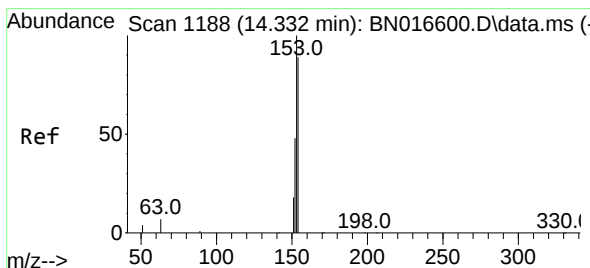
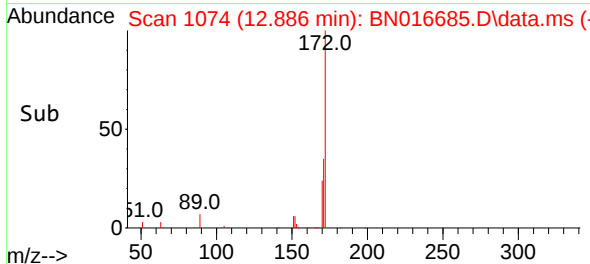
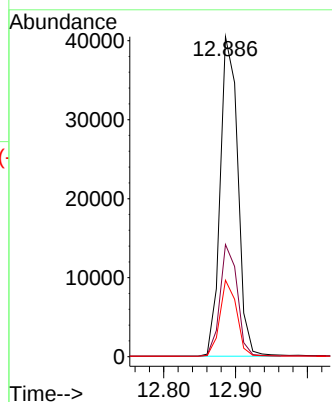
Instrument :
BNA_N
ClientSampleId :
S-829-J-SO-3-3.5-092221



Tgt Ion:172 Resp: 68987
Ion Ratio Lower Upper
172 100
171 35.0 27.0 40.4
170 23.9 17.4 26.2

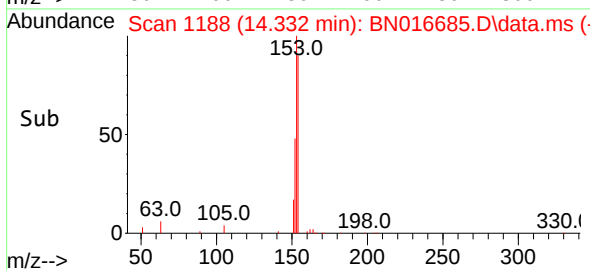
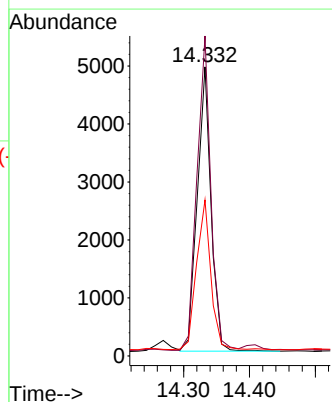
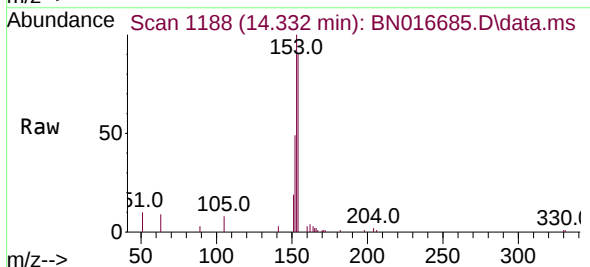
Manual Integrations
APPROVED

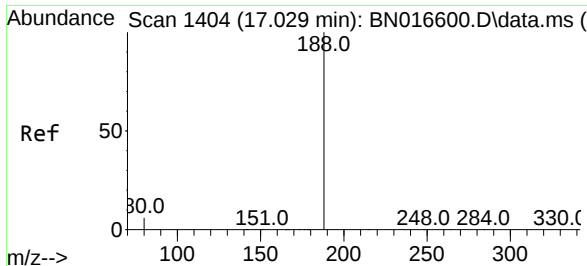
mohammad
10/4/2021 11:48:58 AM



#17
Acenaphthene
Concen: 0.033 ng
RT: 14.332 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BN016685.D
Acq: 02 Oct 2021 23:45

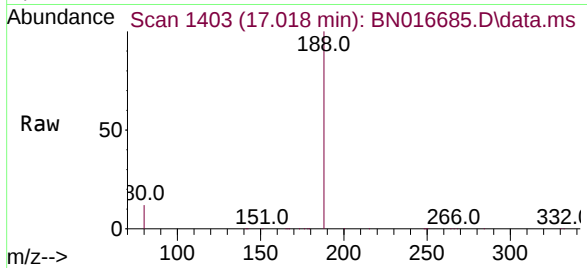
Tgt Ion:154 Resp: 7159
Ion Ratio Lower Upper
154 100
153 111.9 90.2 135.2
152 54.5 44.0 66.0





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.018 min Scan# 1403
Delta R.T. -0.012 min
Lab File: BN016685.D
Acq: 02 Oct 2021 23:45

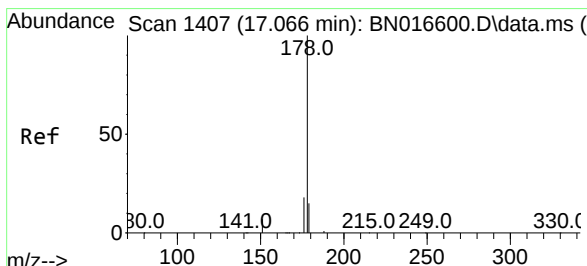
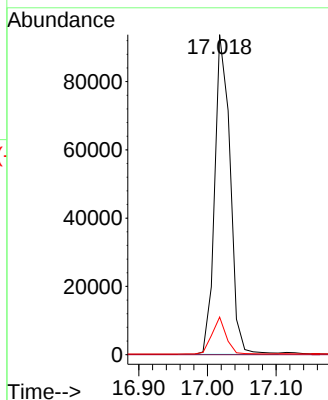
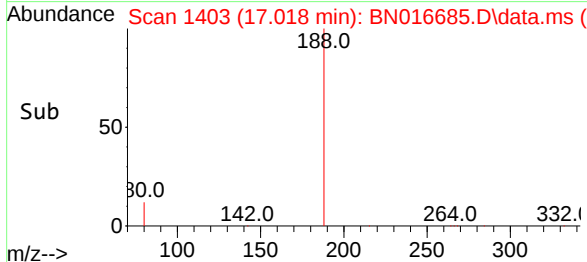
Instrument :
BNA_N
ClientSampleId :
S-829-J-SO-3-3.5-092221



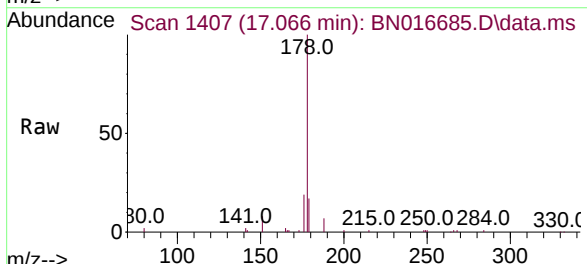
Tgt Ion:188 Resp: 145643
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.7 5.0 7.6#

Manual Integrations
APPROVED

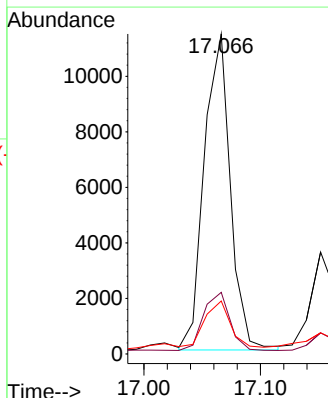
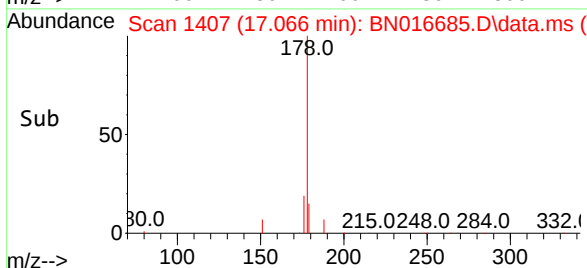
mohammad
10/4/2021 11:48:58 AM

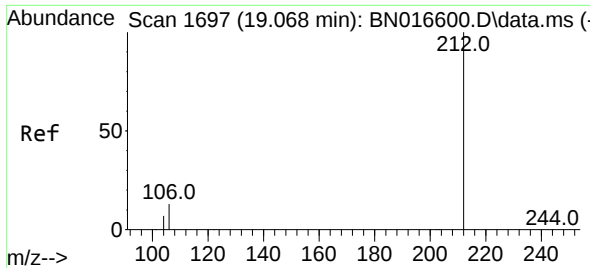


#25
Phenanthrene
Concen: 0.041 ng m
RT: 17.066 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BN016685.D
Acq: 02 Oct 2021 23:45



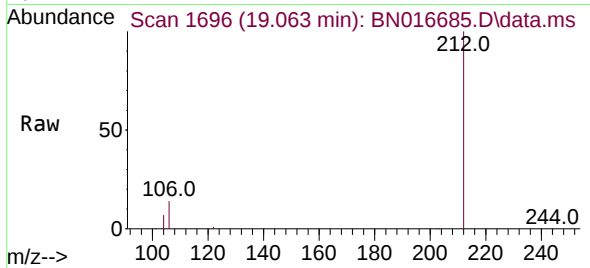
Tgt Ion:178 Resp: 17755
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 18.8 12.2 18.4#





#27
Fluoranthene-d10
Concen: 0.281 ng
RT: 19.063 min Scan# 1696
Delta R.T. -0.005 min
Lab File: BN016685.D
Acq: 02 Oct 2021 23:45

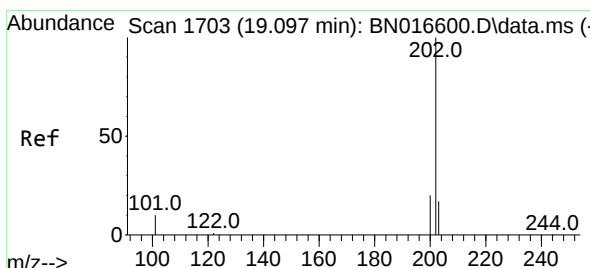
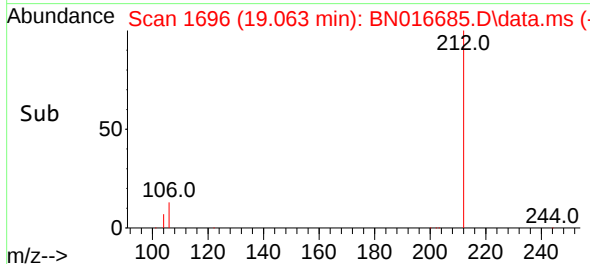
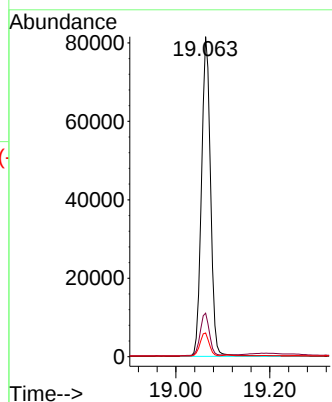
Instrument :
BNA_N
ClientSampleId :
S-829-J-SO-3-3.5-092221



Tgt Ion:212 Resp: 108922
Ion Ratio Lower Upper
212 100
106 13.8 10.6 16.0
104 7.3 5.9 8.9

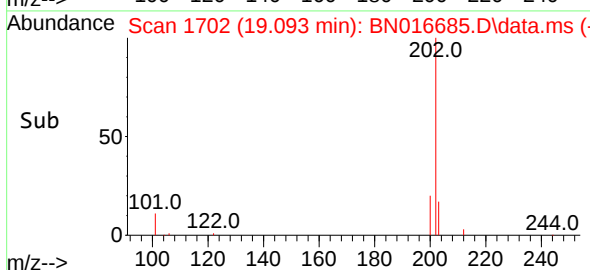
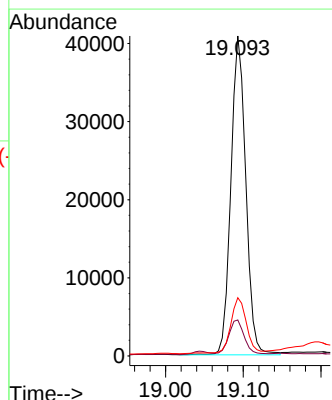
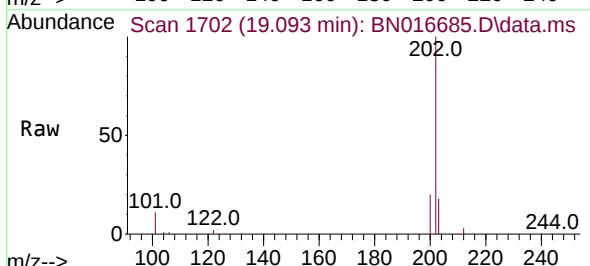
Manual Integrations
APPROVED

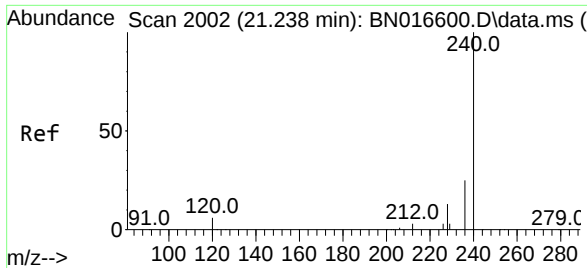
mohammad
10/4/2021 11:48:58 AM



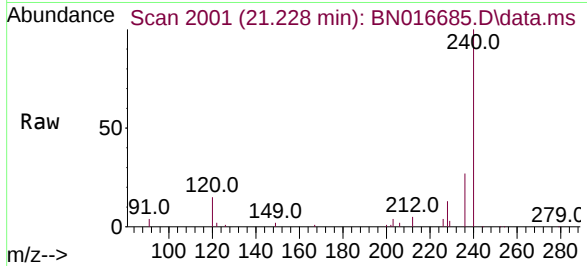
#28
Fluoranthene
Concen: 0.115 ng
RT: 19.093 min Scan# 1702
Delta R.T. -0.005 min
Lab File: BN016685.D
Acq: 02 Oct 2021 23:45

Tgt Ion:202 Resp: 54603
Ion Ratio Lower Upper
202 100
101 10.7 9.0 13.4
203 18.8 13.8 20.6

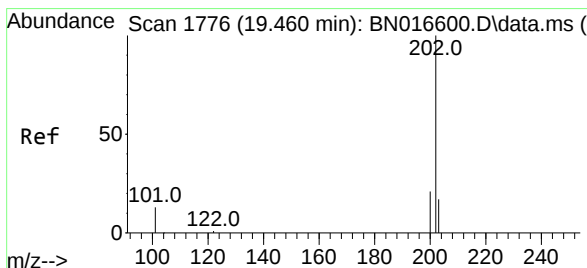
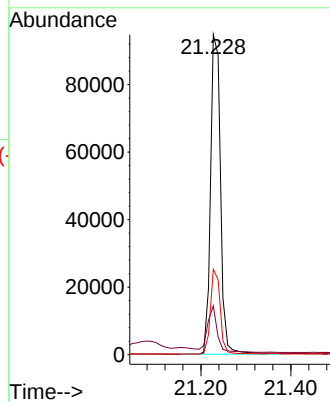
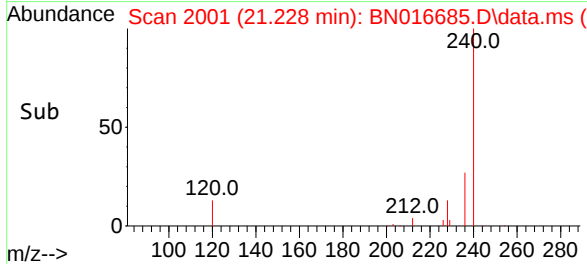




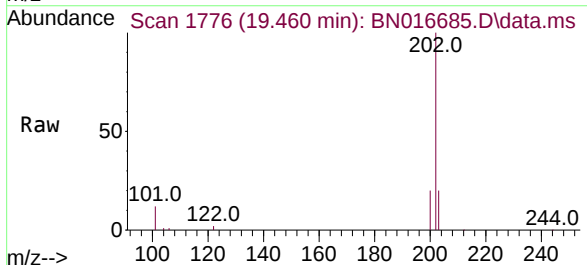
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.228 min Scan# 2001
Delta R.T. -0.010 min
Lab File: BN016685.D
Acq: 02 Oct 2021 23:45



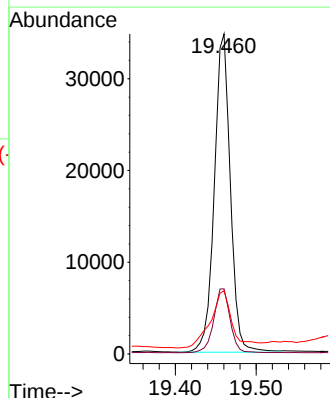
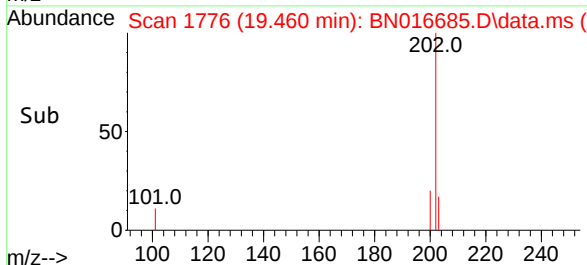
Tgt Ion:240 Resp: 145311
Ion Ratio Lower Upper
240 100
120 15.3 5.0 7.4#
236 26.7 20.4 30.6



#30
Pyrene
Concen: 0.102 ng
RT: 19.460 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BN016685.D
Acq: 02 Oct 2021 23:45



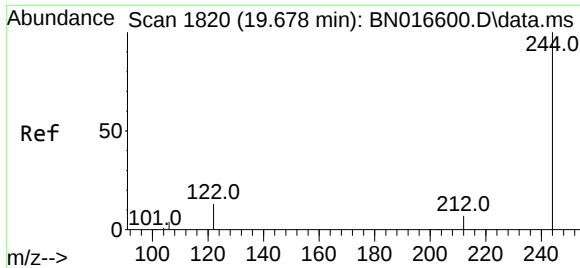
Tgt Ion:202 Resp: 47962
Ion Ratio Lower Upper
202 100
200 20.6 16.5 24.7
203 24.3 14.0 21.0#



Instrument :
BNA_N
ClientSampleId :
S-829-J-SO-3-3.5-092221

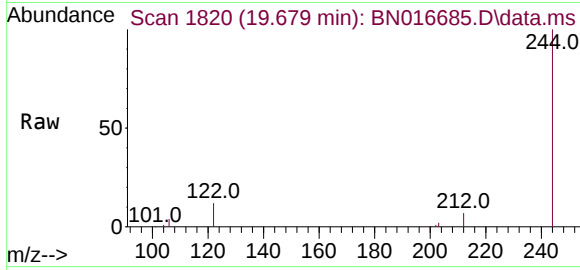
Manual Integrations
APPROVED

mohammad
10/4/2021 11:48:58 AM



#31
Terphenyl-d14
Concen: 0.268 ng
RT: 19.679 min Scan# 1820
Delta R.T. 0.000 min
Lab File: BN016685.D
Acq: 02 Oct 2021 23:45

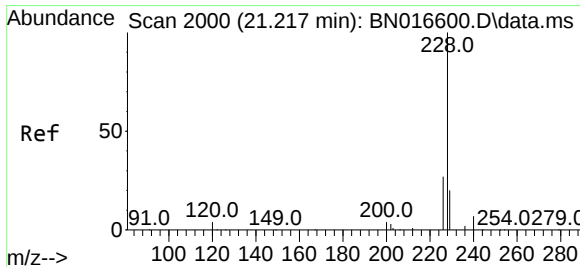
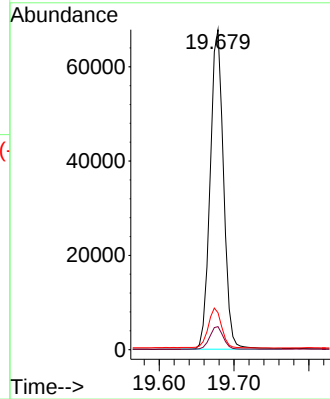
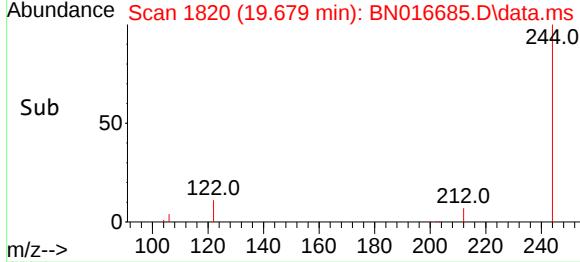
Instrument :
BNA_N
ClientSampleId :
S-829-J-SO-3-3.5-092221



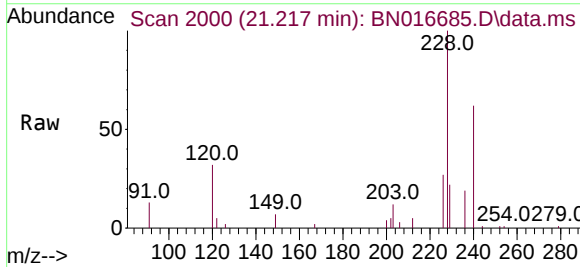
Tgt Ion:244 Resp: 84527
Ion Ratio Lower Upper
244 100
212 7.2 6.0 9.0
122 11.5 10.1 15.1

Manual Integrations
APPROVED

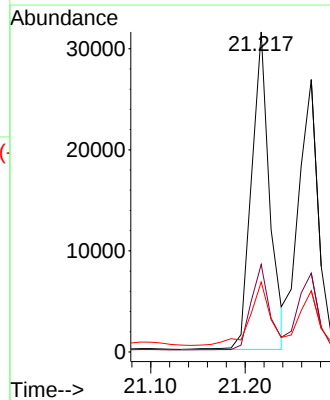
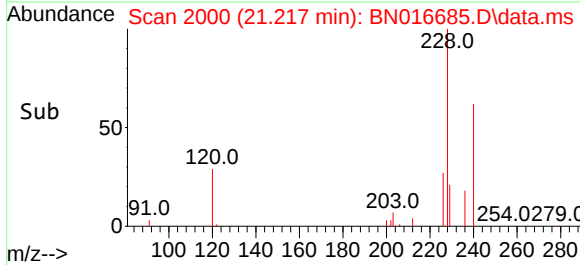
mohammad
10/4/2021 11:48:58 AM

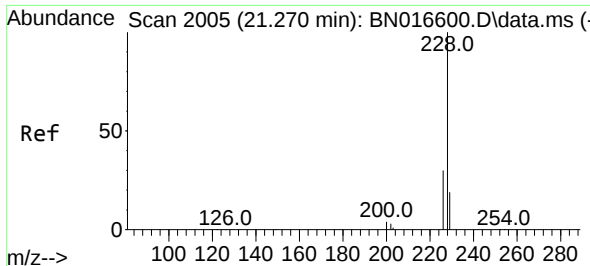


#32
Benzo(a)anthracene
Concen: 0.094 ng
RT: 21.217 min Scan# 2000
Delta R.T. 0.000 min
Lab File: BN016685.D
Acq: 02 Oct 2021 23:45



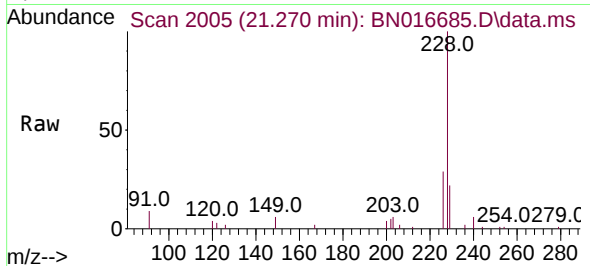
Tgt Ion:228 Resp: 41946
Ion Ratio Lower Upper
228 100
226 27.4 21.9 32.9
229 21.9 15.7 23.5





#33
Chrysene
Concen: 0.085 ng
RT: 21.270 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BN016685.D
Acq: 02 Oct 2021 23:45

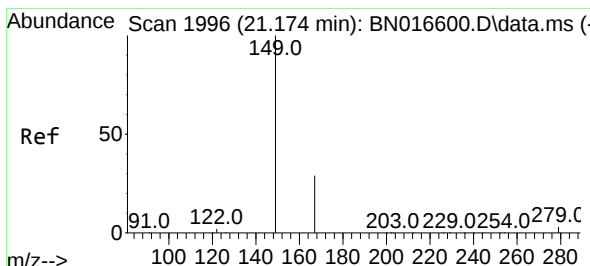
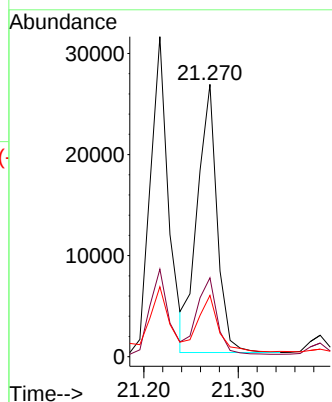
Instrument :
BNA_N
ClientSampleId :
S-829-J-SO-3-3.5-092221



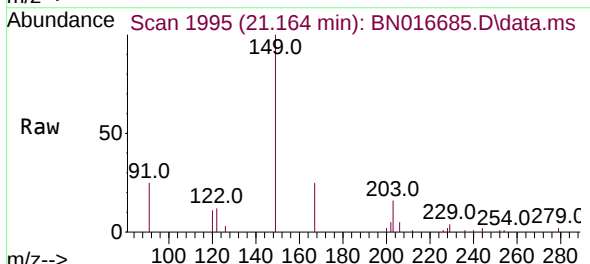
Tgt Ion:228 Resp: 38468
Ion Ratio Lower Upper
228 100
226 29.0 23.7 35.5
229 22.5 15.5 23.3

Manual Integrations
APPROVED

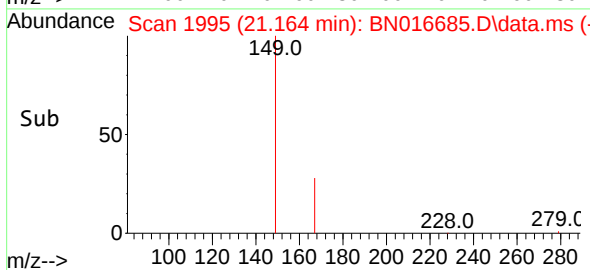
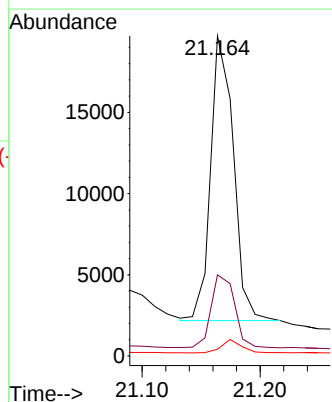
mohammad
10/4/2021 11:48:58 AM

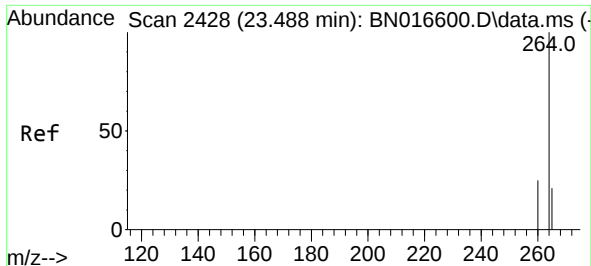


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.132 ng
RT: 21.164 min Scan# 1995
Delta R.T. -0.010 min
Lab File: BN016685.D
Acq: 02 Oct 2021 23:45



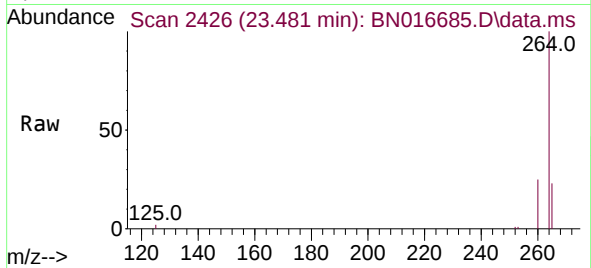
Tgt Ion:149 Resp: 23505
Ion Ratio Lower Upper
149 100
167 26.5 22.2 33.4
279 4.1 3.2 4.8





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.481 min Scan# 2426
Delta R.T. -0.006 min
Lab File: BN016685.D
Acq: 02 Oct 2021 23:45

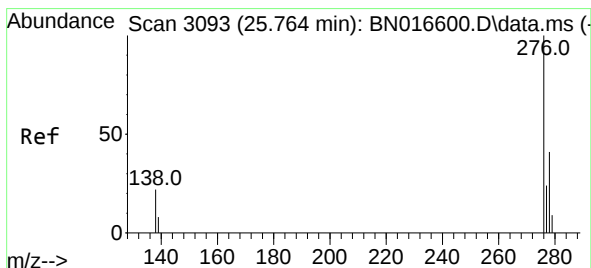
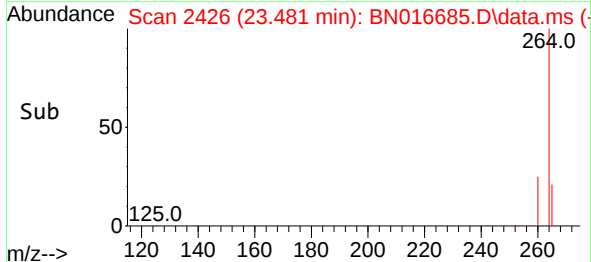
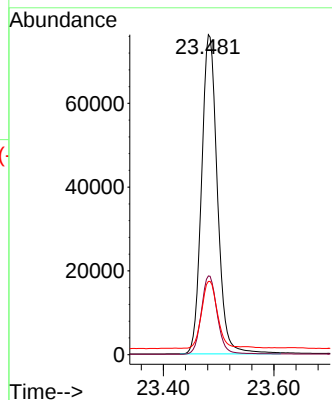
Instrument :
BNA_N
ClientSampleId :
S-829-J-SO-3-3.5-092221



Tgt Ion:	264	Resp:	151267
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.9	29.9
265	22.9	19.2	28.8

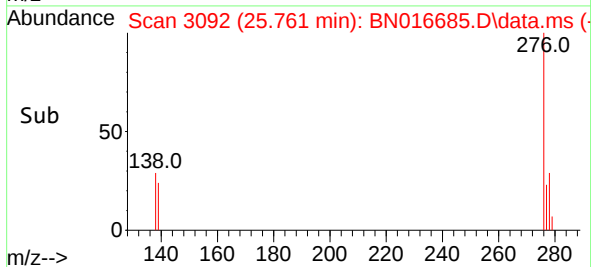
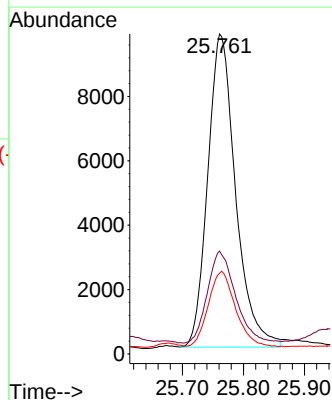
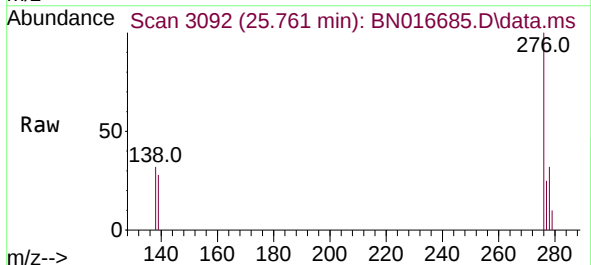
Manual Integrations
APPROVED

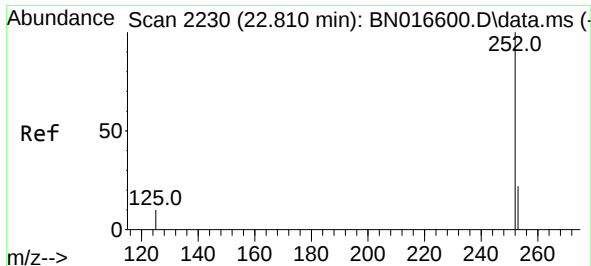
mohammad
10/4/2021 11:48:58 AM



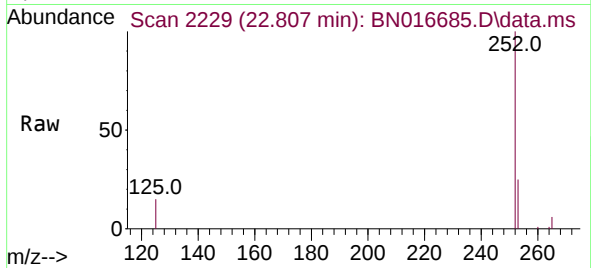
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.057 ng
RT: 25.761 min Scan# 3092
Delta R.T. -0.003 min
Lab File: BN016685.D
Acq: 02 Oct 2021 23:45

Tgt Ion:	276	Resp:	30851
Ion Ratio	Lower	Upper	
276	100		
138	29.8	19.5	29.3#
277	23.2	19.9	29.9

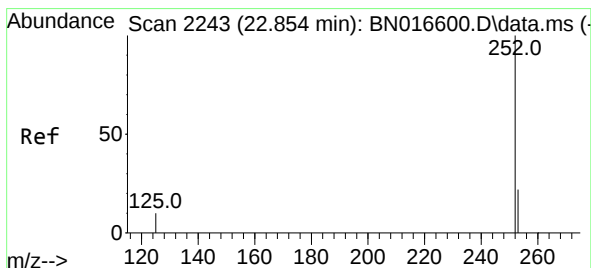
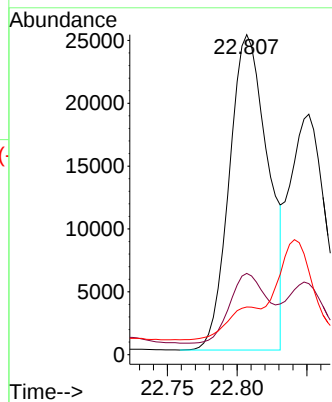
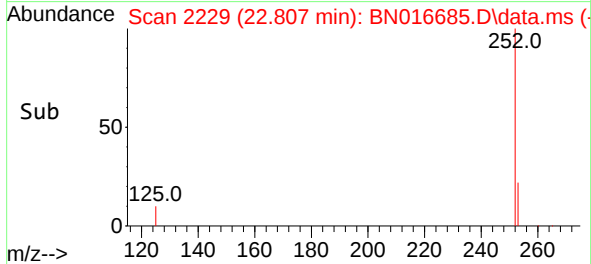




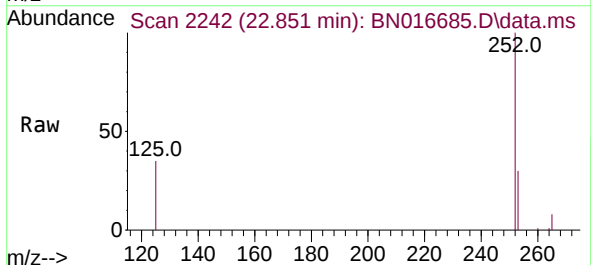
#37
Benzo(b)fluoranthene
Concen: 0.100 ng
RT: 22.807 min Scan# 2229
Delta R.T. -0.003 min
Lab File: BN016685.D
Acq: 02 Oct 2021 23:45



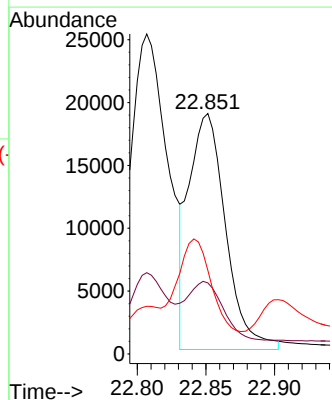
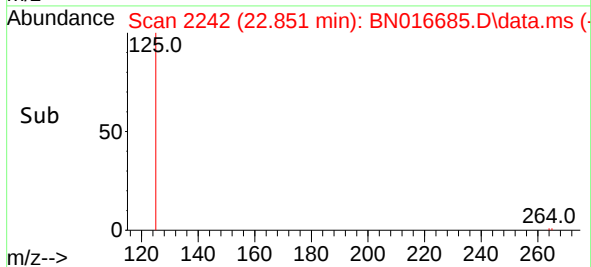
Tgt Ion:252 Resp: 48559
Ion Ratio Lower Upper
252 100
253 25.4 17.8 26.8
125 14.9 8.0 12.0#



#38
Benzo(k)fluoranthene
Concen: 0.073 ng m
RT: 22.851 min Scan# 2242
Delta R.T. -0.003 min
Lab File: BN016685.D
Acq: 02 Oct 2021 23:45



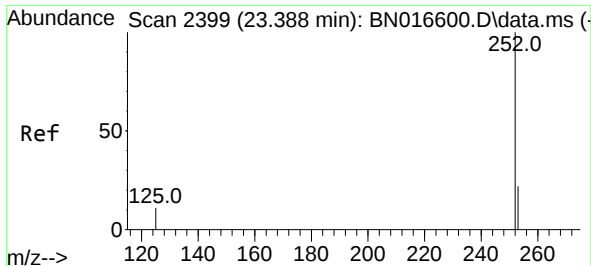
Tgt Ion:252 Resp: 35004
Ion Ratio Lower Upper
252 100
253 29.5 17.8 26.6#
125 34.7 8.0 12.0#



Instrument :
BNA_N
ClientSampleId :
S-829-J-SO-3-3.5-092221

Manual Integrations
APPROVED

mohammad
10/4/2021 11:48:58 AM



#39

Benzo(a)pyrene

Concen: 0.085 ng

RT: 23.382 min Scan# 2397

Delta R.T. -0.006 min

Lab File: BN016685.D

Acq: 02 Oct 2021 23:45

Tgt Ion:	252	Resp:	36606
Ion Ratio	Lower	Upper	
252	100		
253	26.6	17.8	26.8
125	16.8	9.0	13.4#

Instrument :

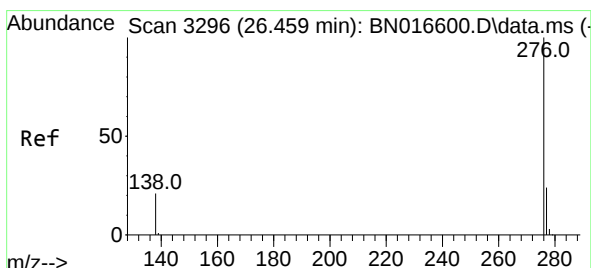
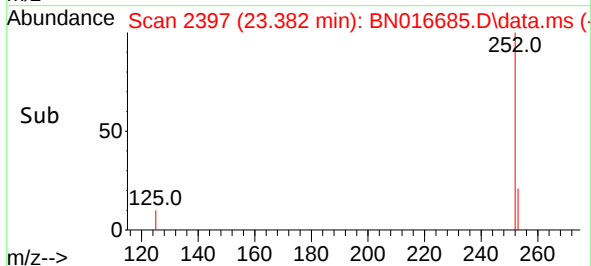
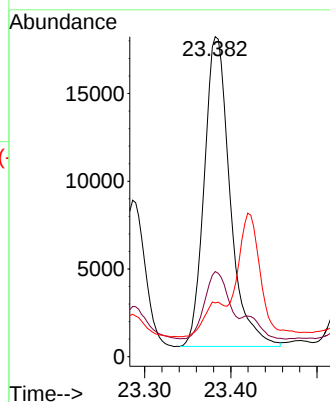
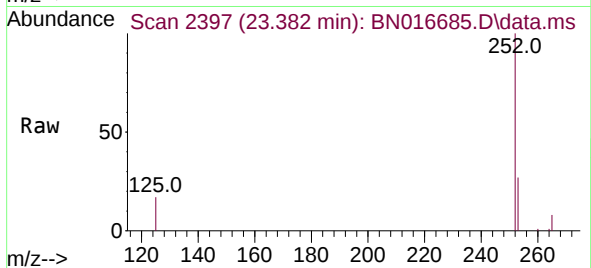
BNA_N

ClientSampleId :

S-829-J-SO-3-3.5-092221

Manual Integrations
APPROVED

mohammad
10/4/2021 11:48:58 AM



#41

Benzo(g,h,i)perylene

Concen: 0.057 ng

RT: 26.456 min Scan# 3295

Delta R.T. -0.003 min

Lab File: BN016685.D

Acq: 02 Oct 2021 23:45

Tgt Ion:	276	Resp:	27320
Ion Ratio	Lower	Upper	
276	100		
277	25.0	19.0	28.6
138	26.7	16.9	25.3#

