

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100121\
 Data File : BN016698.D
 Acq On : 03 Oct 2021 08:48
 Operator : CG/JU
 Sample : M3892-18
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-832-J-SO-2-2.5-092221

Manual Integrations
 APPROVED

mohammad
 10/4/2021 11:49:19 AM

Quant Time: Oct 04 03:37:45 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	30709	0.40	ng	0.00
7) Naphthalene-d8	10.406	136	142548	0.40	ng	0.00
13) Acenaphthene-d10	14.269	164	81898	0.40	ng	0.00
19) Phenanthrene-d10	17.029	188	157023	0.40	ng	# 0.00
29) Chrysene-d12	21.238	240	146277	0.40	ng	# 0.00
35) Perylene-d12	23.505	264	116436	0.40	ng	# 0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.272	112	20261	0.26	ng	0.02
5) Phenol-d6	6.831	99	21388	0.25	ng	0.00
8) Nitrobenzene-d5	8.784	82	24738	0.27	ng	0.00
11) 2-Methylnaphthalene-d10	12.003	152	52563	0.25	ng	0.00
14) 2,4,6-Tribromophenol	15.766	330	11990	0.32	ng	0.00
15) 2-Fluorobiphenyl	12.886	172	65189	0.20	ng	-0.01
27) Fluoranthene-d10	19.068	212	99840	0.24	ng	0.00
31) Terphenyl-d14	19.678	244	85589	0.27	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.457	128	48242	0.12	ng	99
12) 2-Methylnaphthalene	12.074	142	21868	0.09	ng	98
16) Acenaphthylene	13.989	152	24716	0.07	ng	# 93
17) Acenaphthene	14.332	154	110792	0.46	ng	99
18) Fluorene	15.322	166	126514m	0.44	ng	
25) Phenanthrene	17.066	178	2051590	4.34	ng	99
26) Anthracene	17.151	178	688808	1.69	ng	# 96
28) Fluoranthene	19.102	202	6252427	12.26	ng	98
30) Pyrene	19.465	202	6048464	12.78	ng	# 90
32) Benzo(a)anthracene	21.227	228	4434927	9.88	ng	97
33) Chrysene	21.280	228	3770644m	8.29	ng	
34) Bis(2-ethylhexyl)phtha...	21.174	149	374249	2.09	ng	99
36) Indeno(1,2,3-cd)pyrene	25.788	276	897625	2.16	ng	97
37) Benzo(b)fluoranthene	22.827	252	4146605	11.08	ng	# 96
38) Benzo(k)fluoranthene	22.865	252	1577582m	4.27	ng	
39) Benzo(a)pyrene	23.406	252	2609791	7.83	ng	96
40) Dibenzo(a,h)anthracene	25.798	278	268461	0.80	ng	# 80
41) Benzo(g,h,i)perylene	26.490	276	718299	1.96	ng	96

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

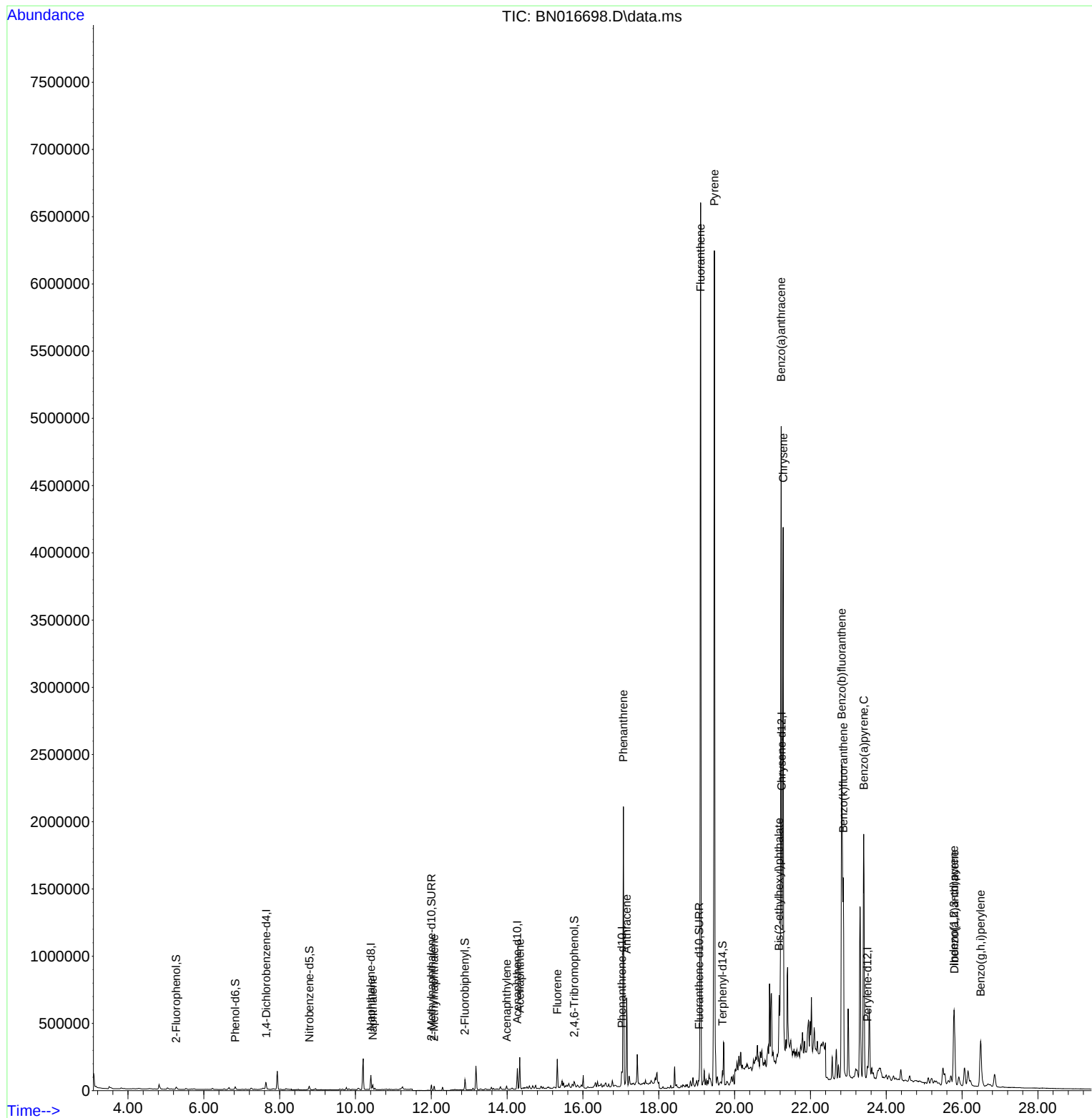
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100121\
Data File : BN016698.D
Acq On : 03 Oct 2021 08:48
Operator : CG/JU
Sample : M3892-18
Misc :
ALS Vial : 66 Sample Multiplier: 1

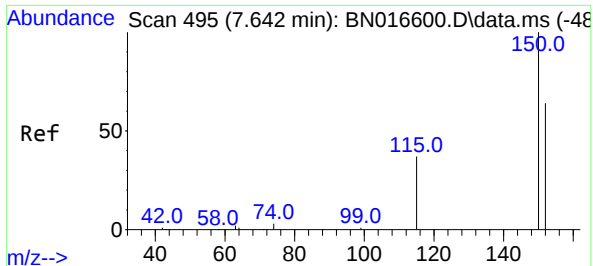
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221

Manual Integrations
APPROVED

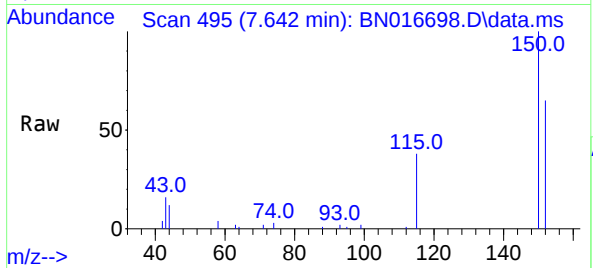
mohammad
10/4/2021 11:49:19 AM

Quant Time: Oct 04 03:37:45 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

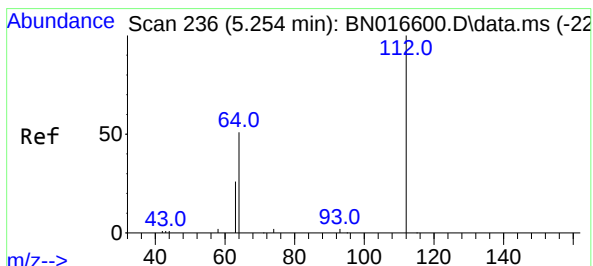
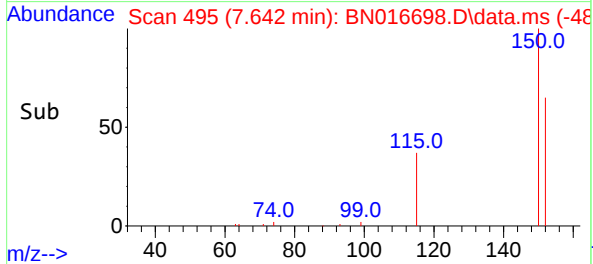
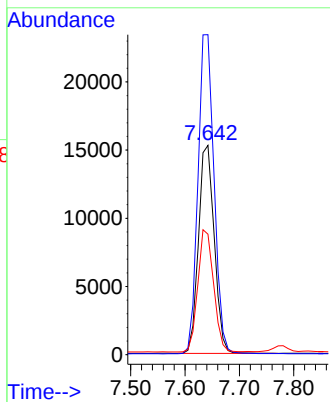




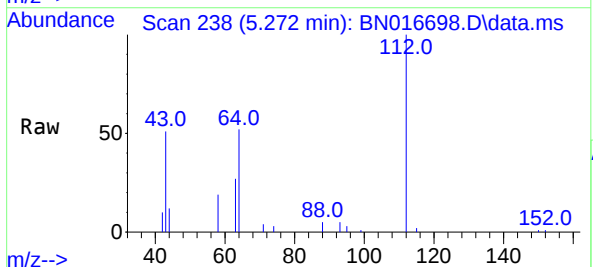
#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.642 min Scan# 495
Delta R.T. 0.000 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48



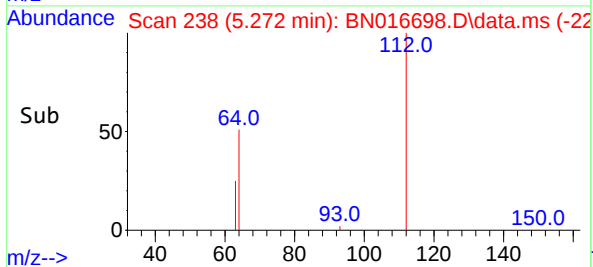
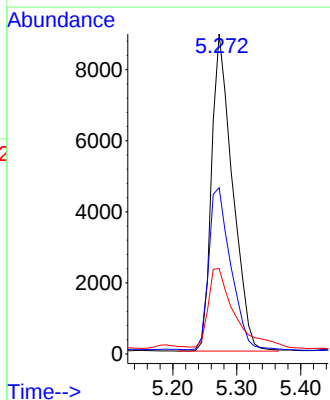
Tgt Ion:152 Resp: 30709
Ion Ratio Lower Upper
152 100
150 152.9 124.6 186.8
115 57.6 46.5 69.7



#4
2-Fluorophenol
Concen: 0.26 ng
RT: 5.272 min Scan# 238
Delta R.T. 0.018 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48



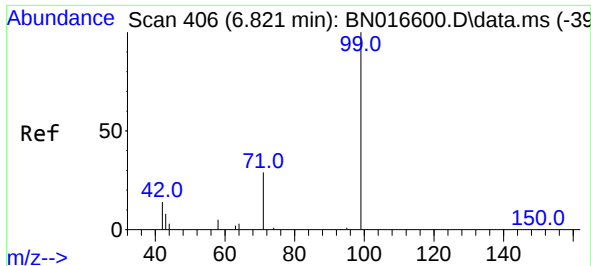
Tgt Ion:112 Resp: 20261
Ion Ratio Lower Upper
112 100
64 53.7 43.1 64.7
63 30.1 21.6 32.4



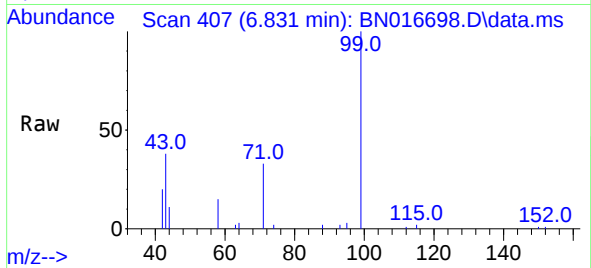
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221

Manual Integrations
APPROVED

mohammad
10/4/2021 11:49:19 AM

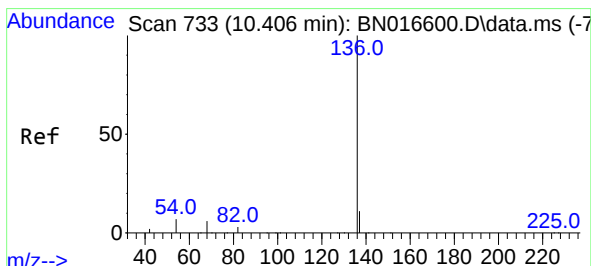
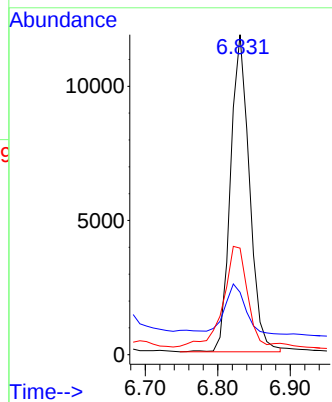
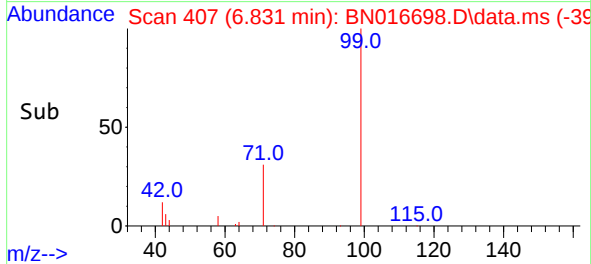


#5
Phenol-d6
Concen: 0.25 ng
RT: 6.831 min Scan# 407
Delta R.T. 0.009 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

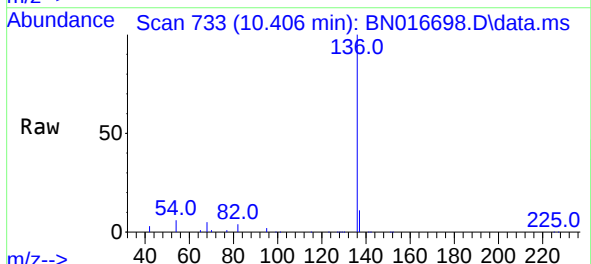


Tgt Ion: 99 Resp: 21388

Ion	Ratio	Lower	Upper
99	100		
42	17.0	13.0	19.6
71	40.5	23.5	35.3#

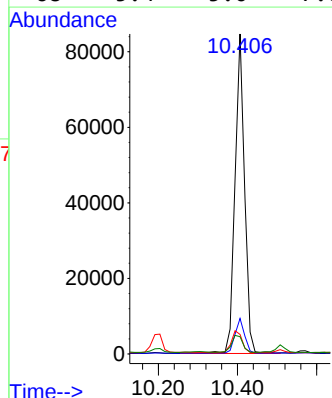
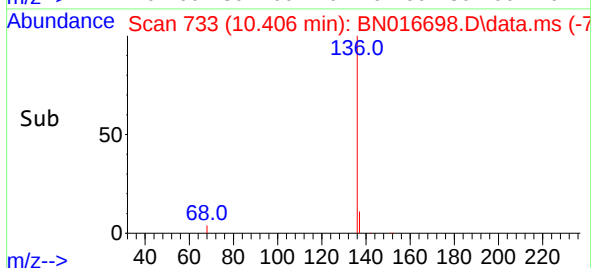


#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.406 min Scan# 733
Delta R.T. 0.000 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48



Tgt Ion: 136 Resp: 142548

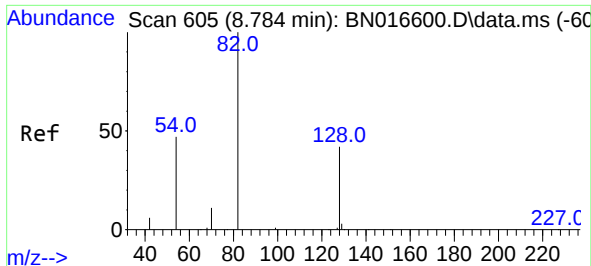
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	6.1	5.9	8.9
68	5.4	5.0	7.6



Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221

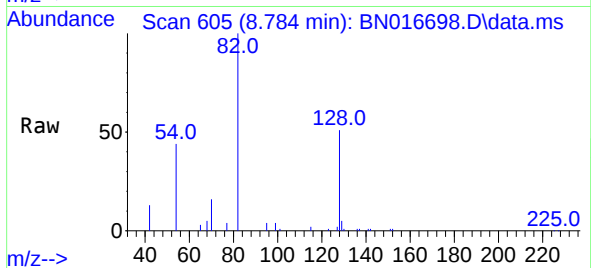
Manual Integrations
APPROVED

mohammad
10/4/2021 11:49:19 AM



#8
Nitrobenzene-d5
Concen: 0.27 ng
RT: 8.784 min Scan# 605
Delta R.T. 0.000 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

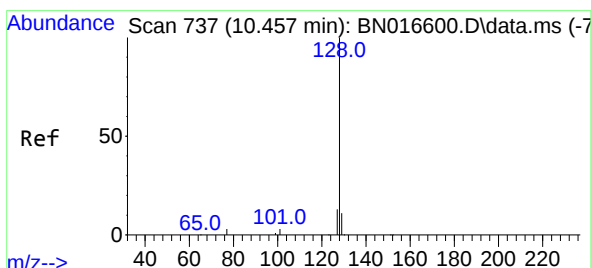
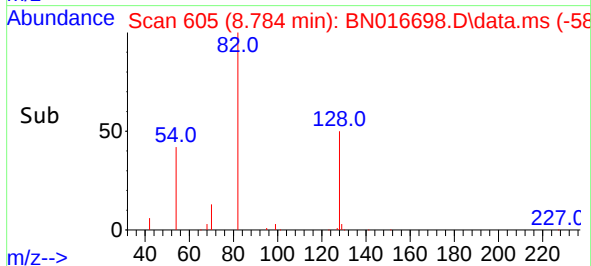
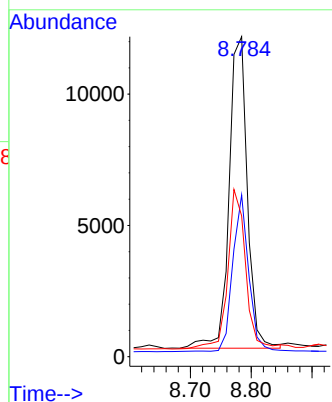
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221



Tgt Ion: 82 Resp: 24738
Ion Ratio Lower Upper
82 100
128 50.5 33.6 50.4#
54 44.0 37.6 56.4

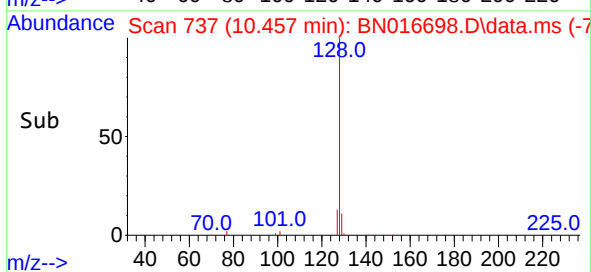
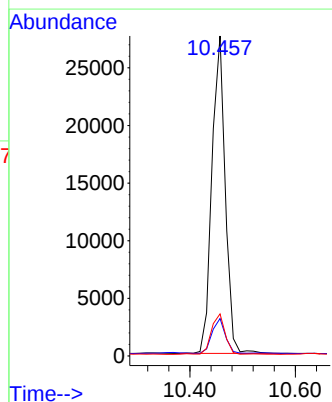
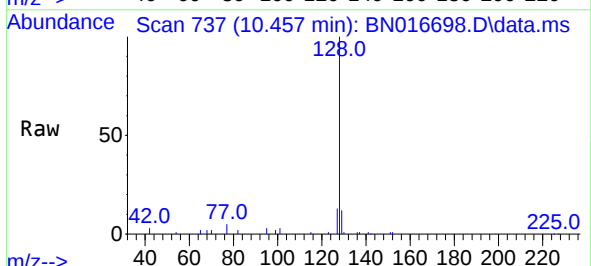
Manual Integrations
APPROVED

mohammad
10/4/2021 11:49:19 AM



#9
Naphthalene
Concen: 0.12 ng
RT: 10.457 min Scan# 737
Delta R.T. 0.000 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

Tgt Ion: 128 Resp: 48242
Ion Ratio Lower Upper
128 100
129 11.7 8.8 13.2
127 13.2 10.3 15.5





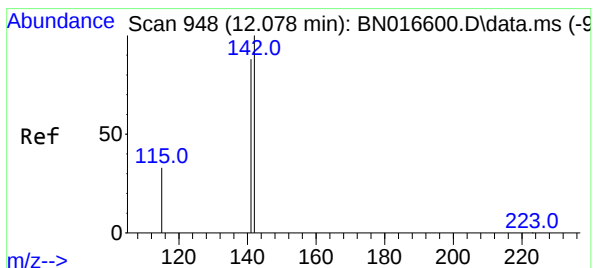
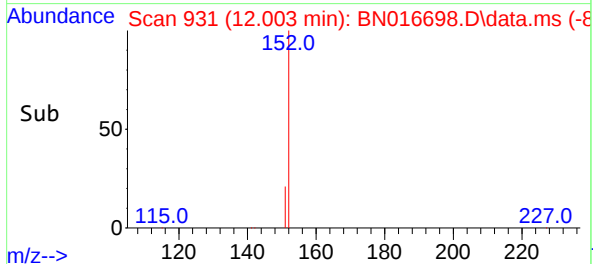
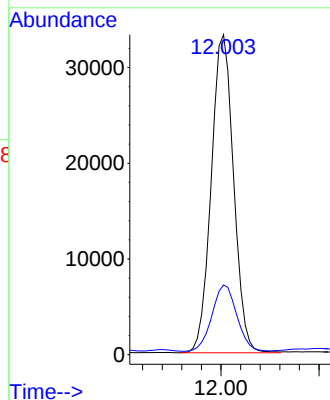
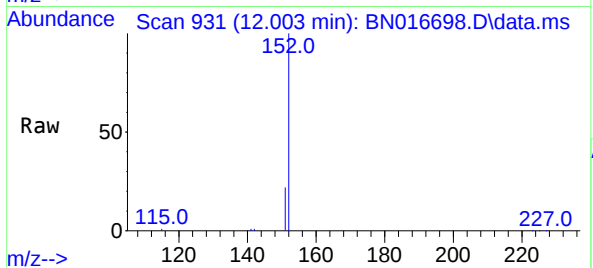
#11
2-Methylnaphthalene-d10
Concen: 0.25 ng
RT: 12.003 min Scan# 931
Delta R.T. -0.004 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

Tgt Ion:152 Resp: 52563
Ion Ratio Lower Upper
152 100
151 23.3 16.2 24.4

Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221

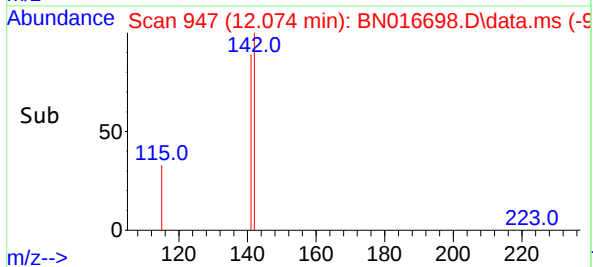
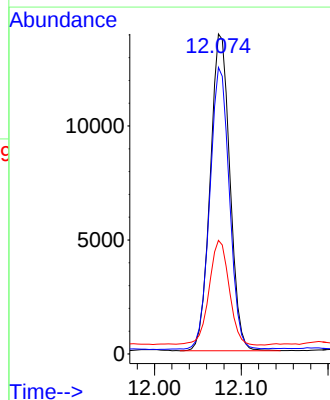
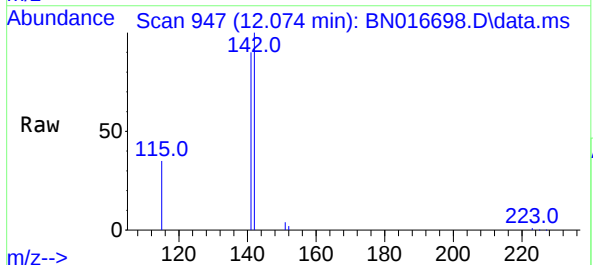
Manual Integrations
APPROVED

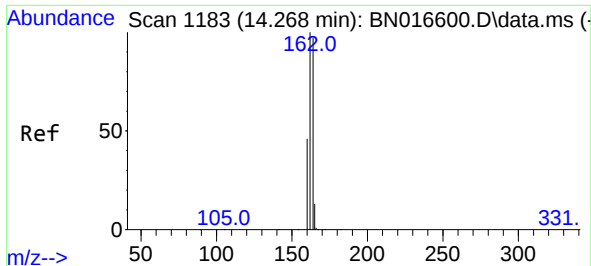
mohammad
10/4/2021 11:49:19 AM



#12
2-Methylnaphthalene
Concen: 0.09 ng
RT: 12.074 min Scan# 947
Delta R.T. -0.004 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

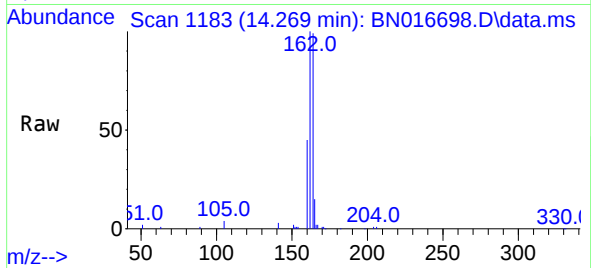
Tgt Ion:142 Resp: 21868
Ion Ratio Lower Upper
142 100
141 89.6 70.6 105.8
115 35.5 26.6 39.8





#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.269 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

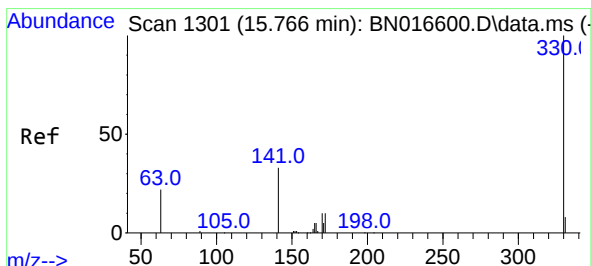
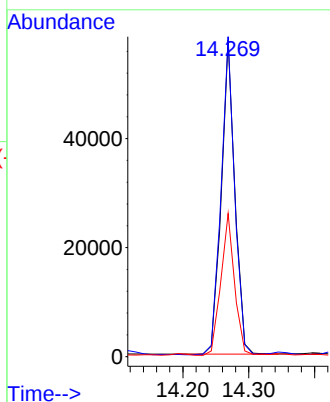
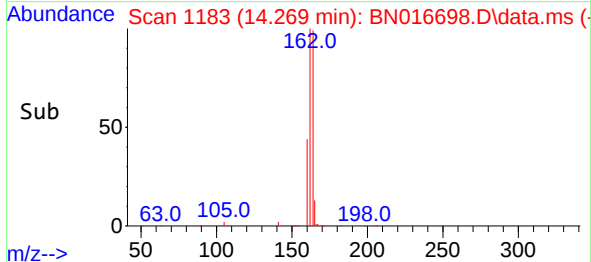
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221



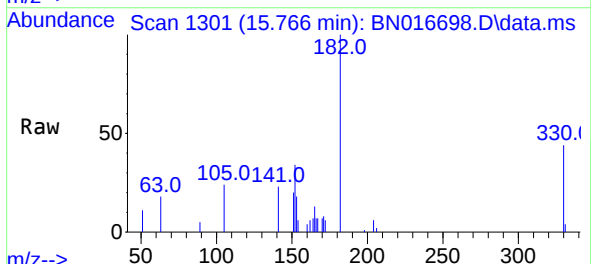
Tgt Ion:164 Resp: 81898
Ion Ratio Lower Upper
164 100
162 101.1 82.2 123.2
160 45.3 37.7 56.5

Manual Integrations
APPROVED

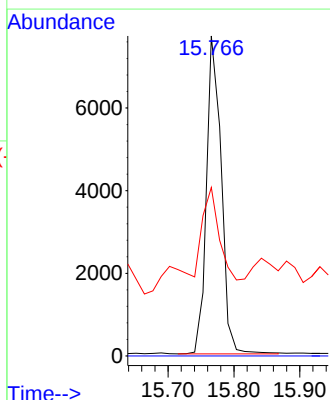
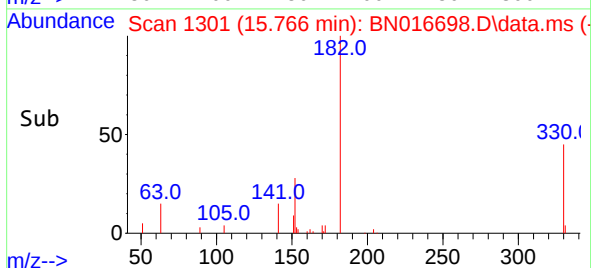
mohammad
10/4/2021 11:49:19 AM

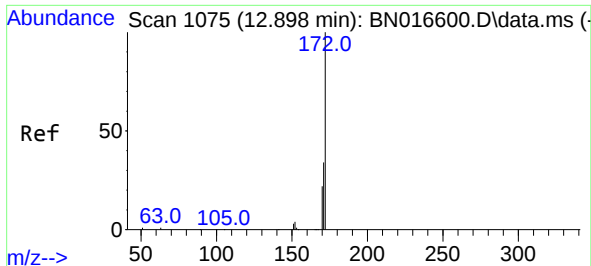


#14
2,4,6-Tribromophenol
Concen: 0.32 ng
RT: 15.766 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48



Tgt Ion:330 Resp: 11990
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 32.6 25.2 37.8





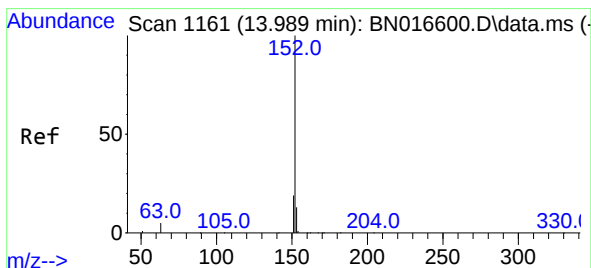
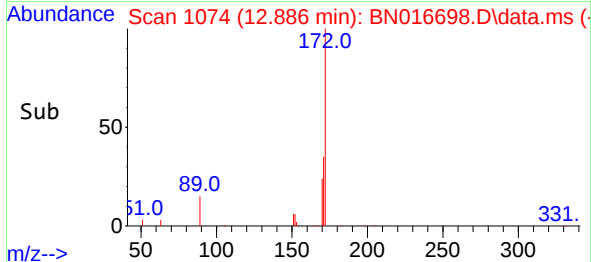
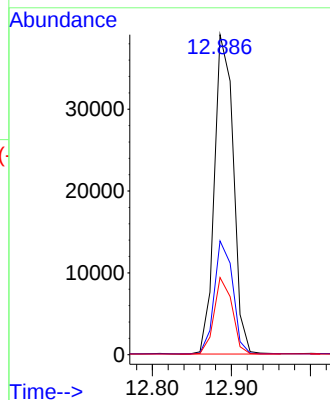
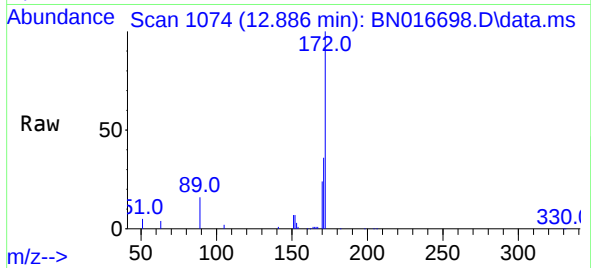
#15
2-Fluorobiphenyl
Concen: 0.20 ng
RT: 12.886 min Scan# 1074
Delta R.T. -0.013 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

Tgt Ion:172 Resp: 65189
Ion Ratio Lower Upper
172 100
171 35.5 27.0 40.4
170 24.1 17.4 26.2

Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221

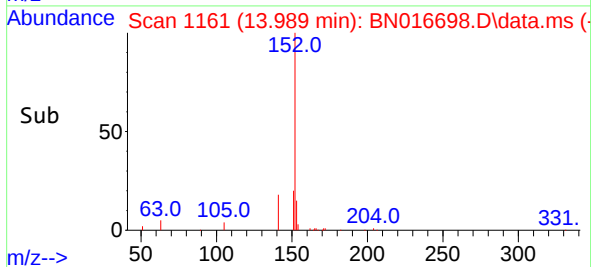
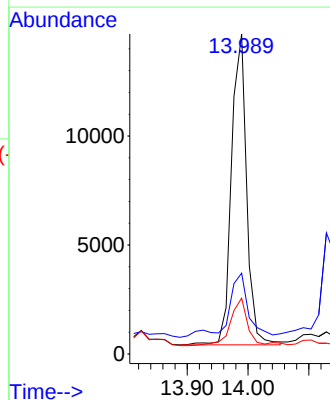
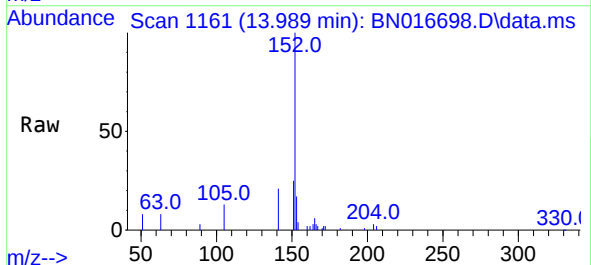
Manual Integrations
APPROVED

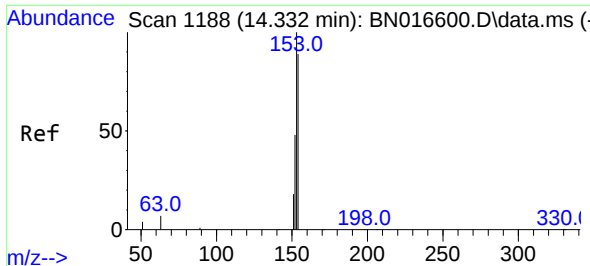
mohammad
10/4/2021 11:49:19 AM



#16
Acenaphthylene
Concen: 0.07 ng
RT: 13.989 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

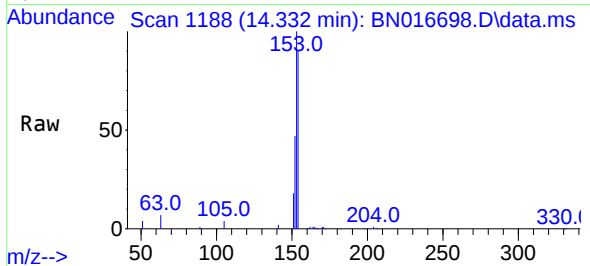
Tgt Ion:152 Resp: 24716
Ion Ratio Lower Upper
152 100
151 21.3 15.5 23.3
153 17.0 10.4 15.6#





#17
Acenaphthene
Concen: 0.46 ng
RT: 14.332 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

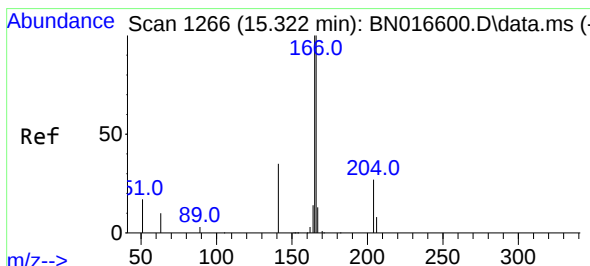
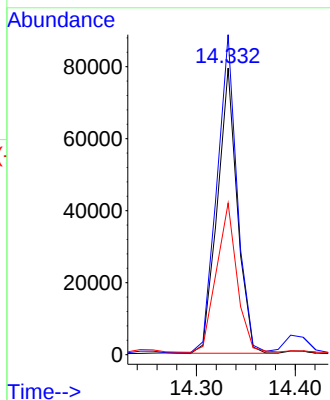
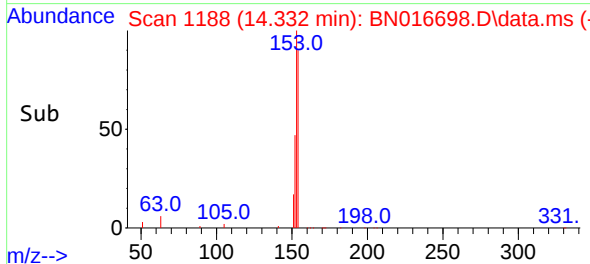
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221



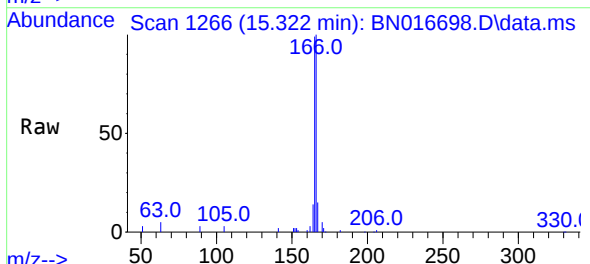
Tgt Ion:154 Resp: 110792
Ion Ratio Lower Upper
154 100
153 113.0 90.2 135.2
152 53.8 44.0 66.0

Manual Integrations
APPROVED

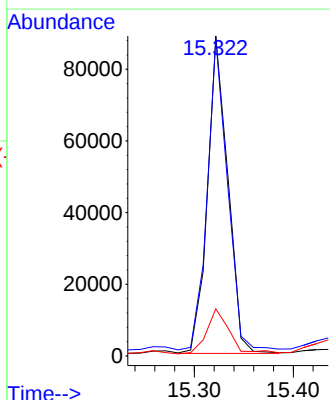
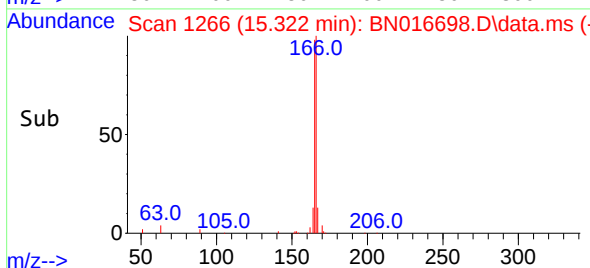
mohammad
10/4/2021 11:49:19 AM

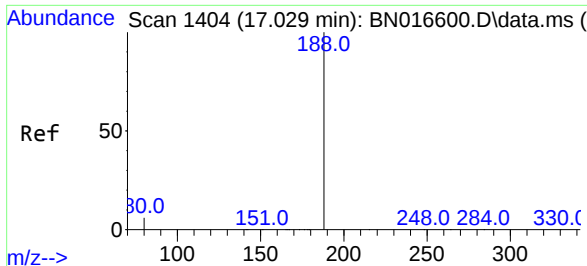


#18
Fluorene
Concen: 0.44 ng m
RT: 15.322 min Scan# 1266
Delta R.T. 0.000 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48



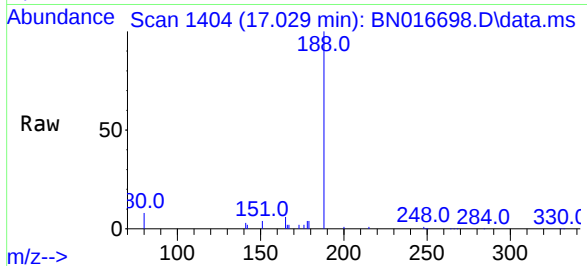
Tgt Ion:166 Resp: 126514
Ion Ratio Lower Upper
166 100
165 97.0 77.9 116.9
167 15.9 10.7 16.1





#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.029 min Scan# 1404
Delta R.T. 0.000 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

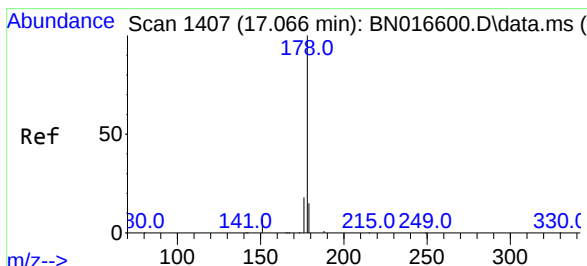
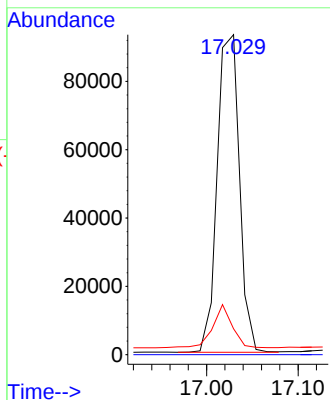
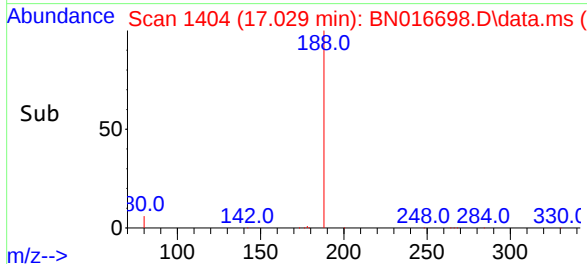
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221



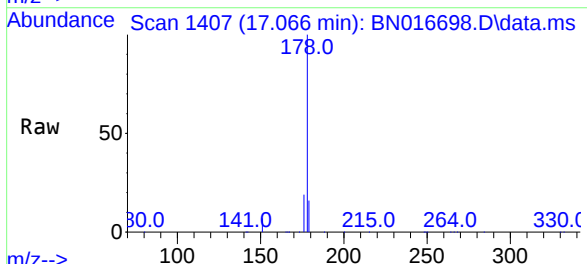
Tgt Ion:188 Resp: 157023
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.1 5.0 7.6#

Manual Integrations
APPROVED

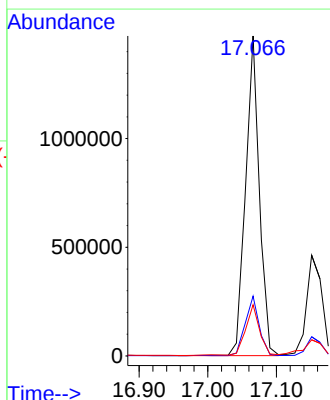
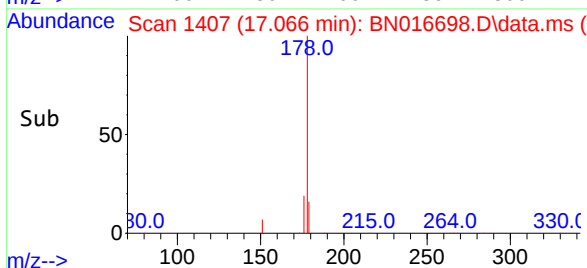
mohammad
10/4/2021 11:49:19 AM

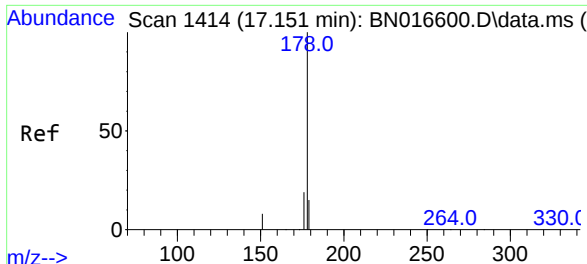


#25
Phenanthrene
Concen: 4.34 ng
RT: 17.066 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48



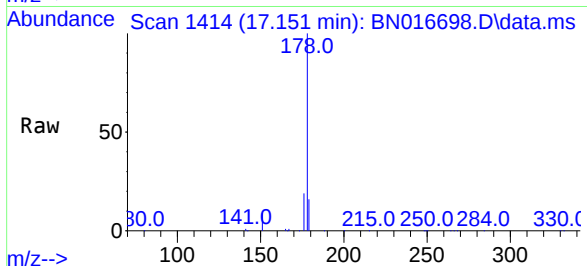
Tgt Ion:178 Resp: 2051590
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 16.2 12.2 18.4





#26
 Anthracene
 Concen: 1.69 ng
 RT: 17.151 min Scan# 1414
 Delta R.T. 0.000 min
 Lab File: BN016698.D
 Acq: 03 Oct 2021 08:48

Instrument :
 BNA_N
 ClientSampleId :
 S-832-J-SO-2-2.5-092221

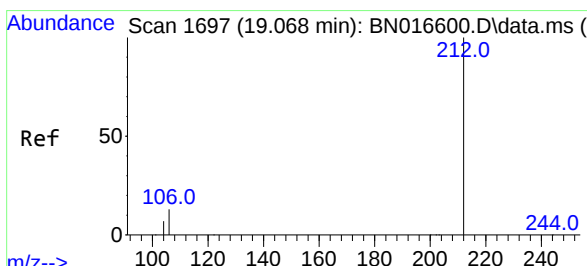
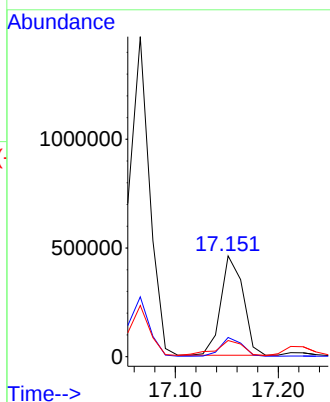
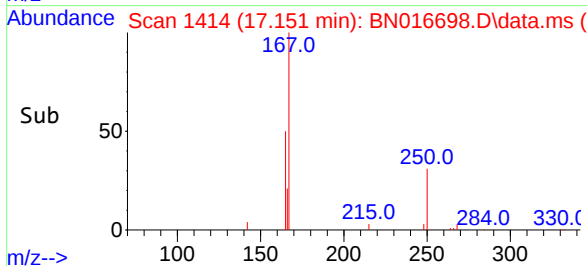


Tgt Ion:178 Resp: 688808

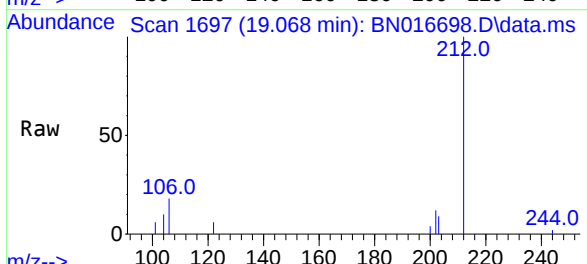
Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	21.8
179	18.8	12.2	18.4#

Manual Integrations
 APPROVED

mohammad
 10/4/2021 11:49:19 AM

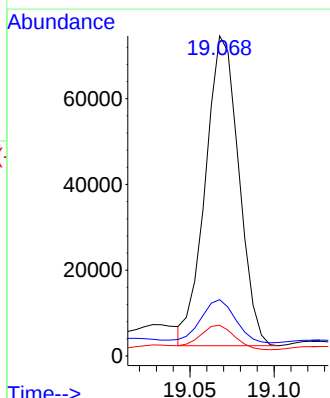
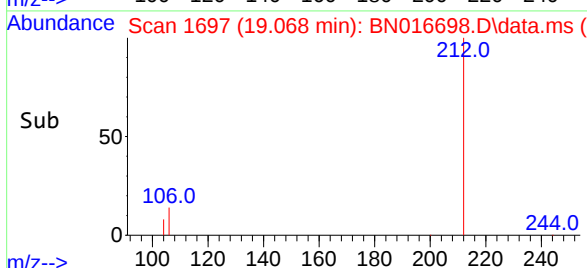


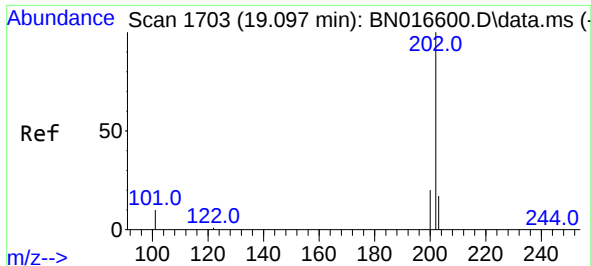
#27
 Fluoranthene-d10
 Concen: 0.24 ng
 RT: 19.068 min Scan# 1697
 Delta R.T. 0.000 min
 Lab File: BN016698.D
 Acq: 03 Oct 2021 08:48



Tgt Ion:212 Resp: 99840

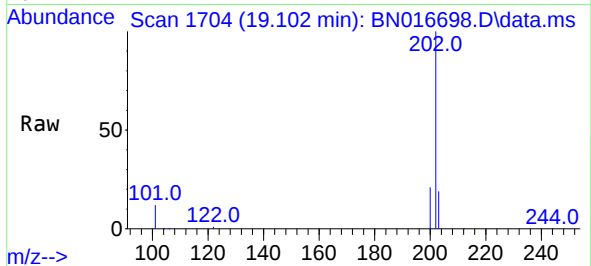
Ion	Ratio	Lower	Upper
212	100		
106	14.5	10.6	16.0
104	8.3	5.9	8.9





#28
Fluoranthene
Concen: 12.26 ng
RT: 19.102 min Scan# 1704
Delta R.T. 0.005 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

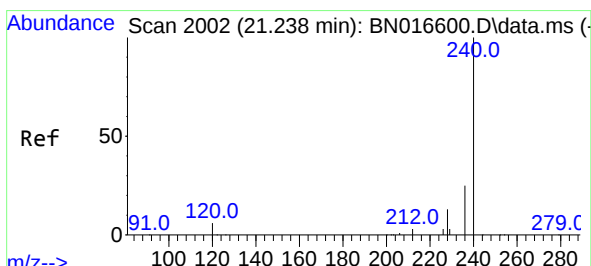
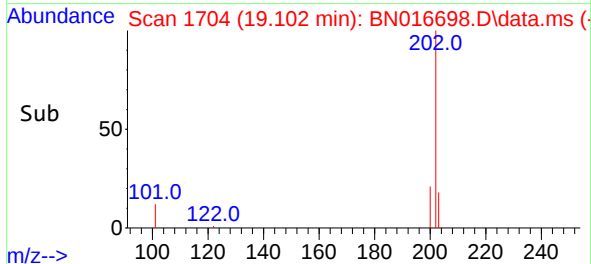
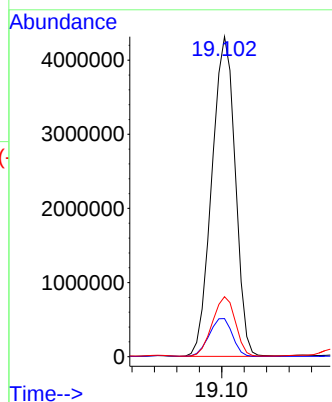
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221



Tgt Ion:202 Resp: 6252427
Ion Ratio Lower Upper
202 100
101 11.8 9.0 13.4
203 18.3 13.8 20.6

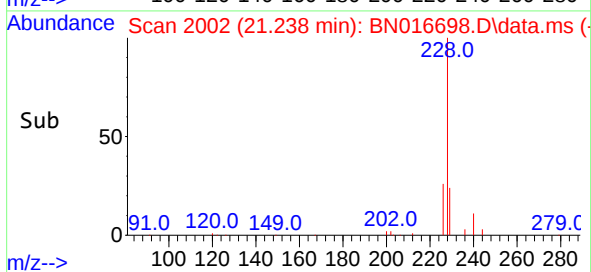
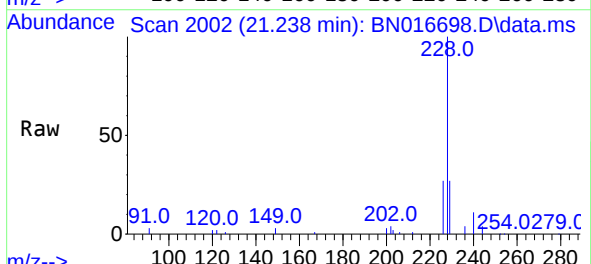
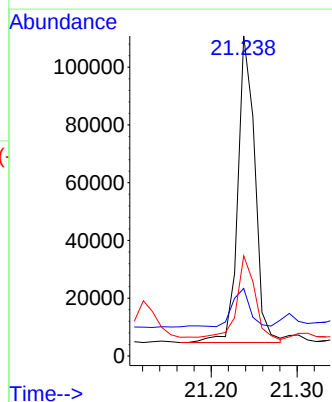
Manual Integrations
APPROVED

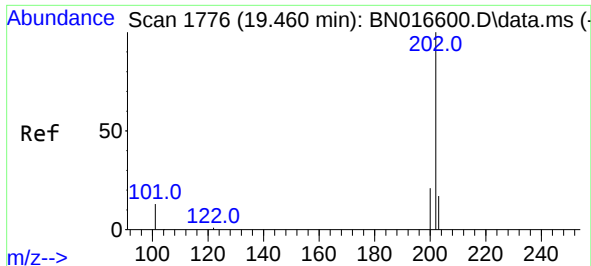
mohammad
10/4/2021 11:49:19 AM



#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

Tgt Ion:240 Resp: 146277
Ion Ratio Lower Upper
240 100
120 21.1 5.0 7.4#
236 31.3 20.4 30.6#





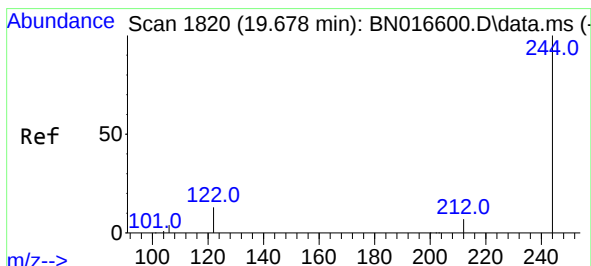
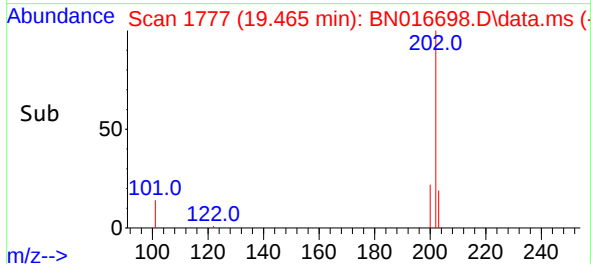
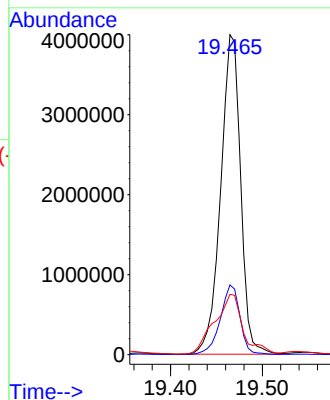
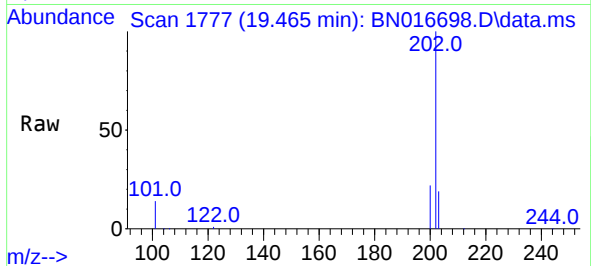
#30
Pyrene
Concen: 12.78 ng
RT: 19.465 min Scan# 1777
Delta R.T. 0.005 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

Tgt Ion:202 Resp: 6048464
Ion Ratio Lower Upper
202 100
200 21.4 16.5 24.7
203 26.4 14.0 21.0#

Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221

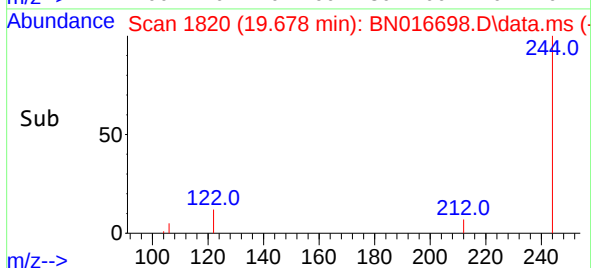
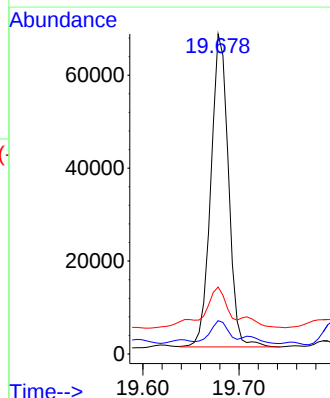
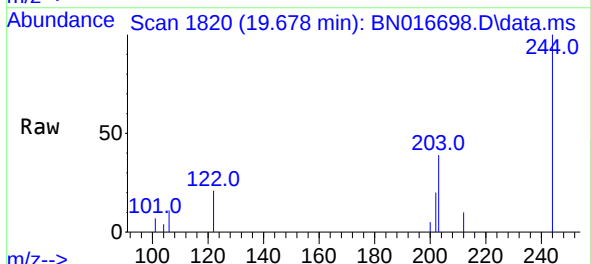
Manual Integrations
APPROVED

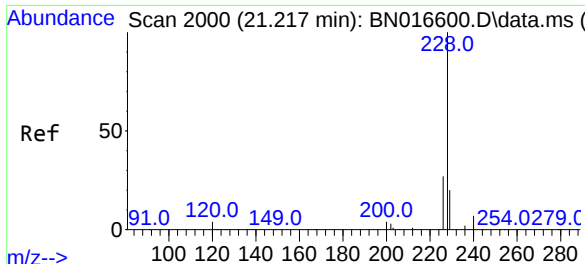
mohammad
10/4/2021 11:49:19 AM



#31
Terphenyl-d14
Concen: 0.27 ng
RT: 19.678 min Scan# 1820
Delta R.T. 0.000 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

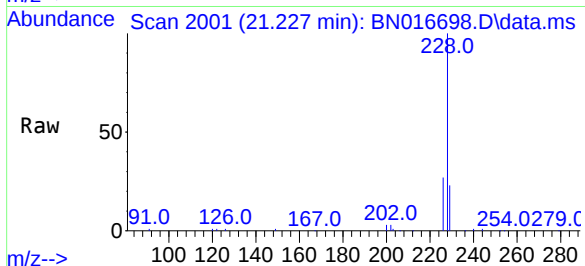
Tgt Ion:244 Resp: 85589
Ion Ratio Lower Upper
244 100
212 10.4 6.0 9.0#
122 20.9 10.1 15.1#





#32
Benzo(a)anthracene
Concen: 9.88 ng
RT: 21.227 min Scan# 2001
Delta R.T. 0.011 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

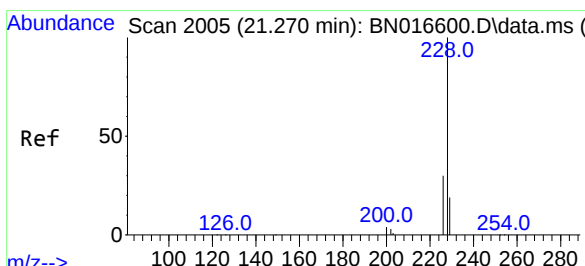
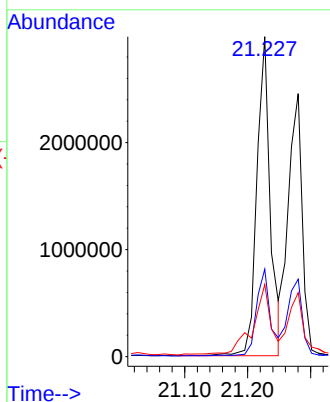
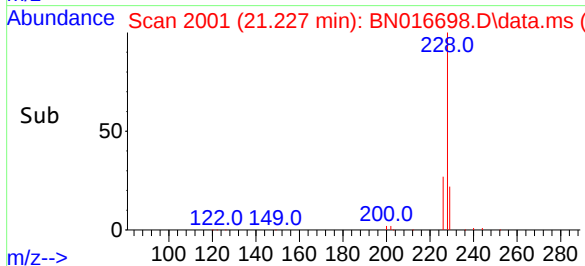
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221



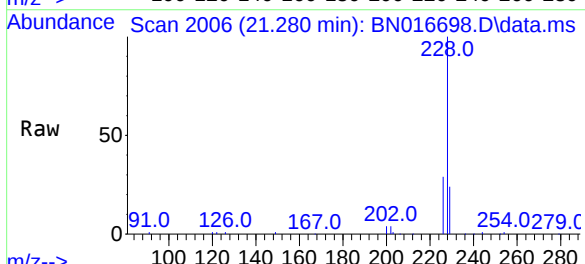
Tgt Ion:228 Resp: 4434927
Ion Ratio Lower Upper
228 100
226 27.4 21.9 32.9
229 22.5 15.7 23.5

Manual Integrations
APPROVED

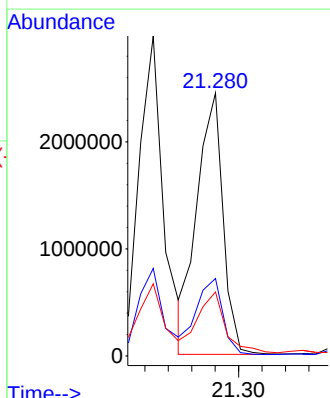
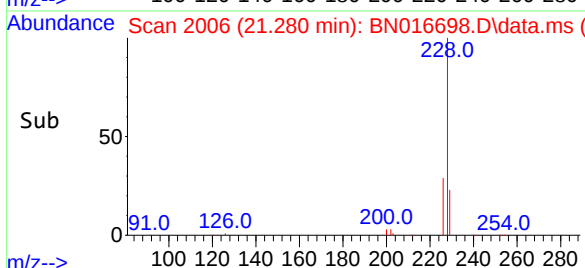
mohammad
10/4/2021 11:49:19 AM

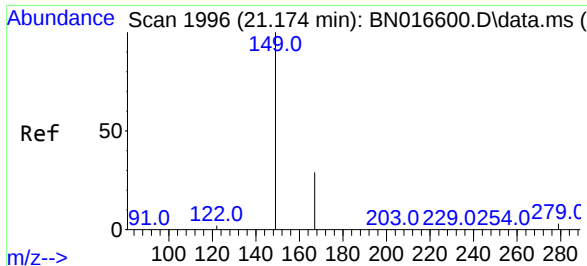


#33
Chrysene
Concen: 8.29 ng m
RT: 21.280 min Scan# 2006
Delta R.T. 0.011 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48



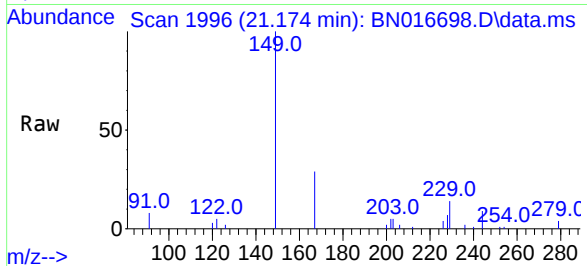
Tgt Ion:228 Resp: 3770644
Ion Ratio Lower Upper
228 100
226 29.4 23.7 35.5
229 24.3 15.5 23.3#





#34
Bis(2-ethylhexyl)phthalate
Concen: 2.09 ng
RT: 21.174 min Scan# 1996
Delta R.T. 0.000 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

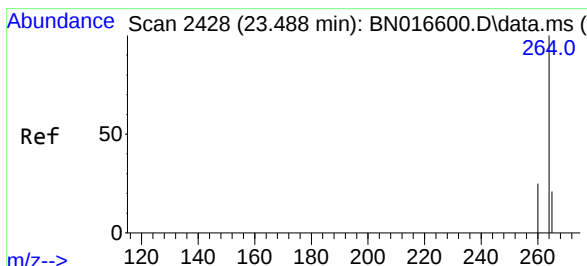
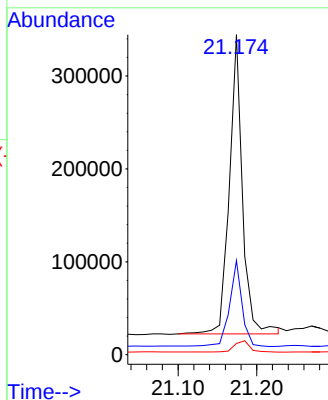
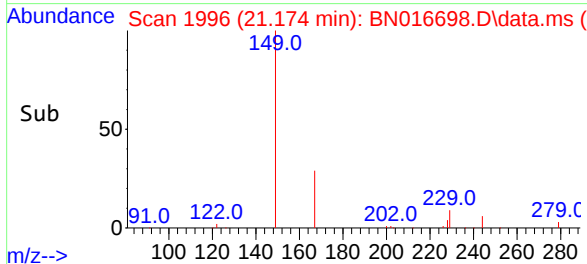
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221



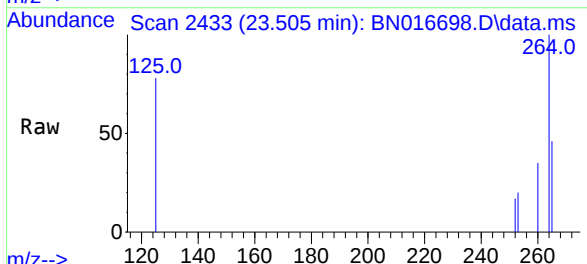
Tgt Ion:149 Resp: 374249
Ion Ratio Lower Upper
149 100
167 27.3 22.2 33.4
279 4.6 3.2 4.8

Manual Integrations
APPROVED

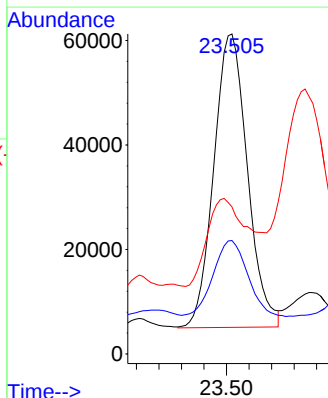
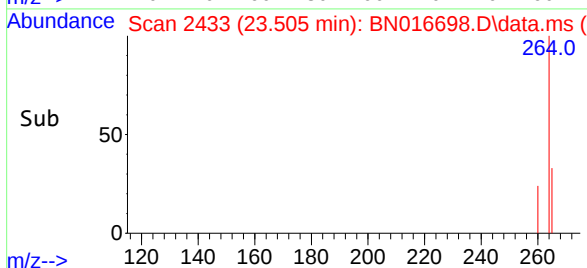
mohammad
10/4/2021 11:49:19 AM

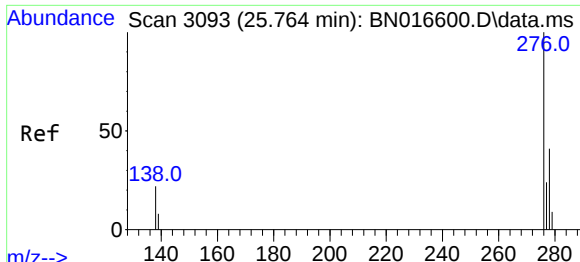


#35
Perylene-d12
Concen: 0.40 ng
RT: 23.505 min Scan# 2433
Delta R.T. 0.017 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

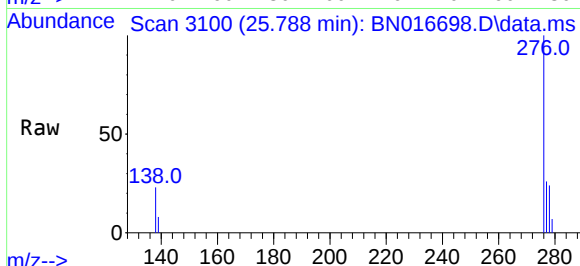


Tgt Ion:264 Resp: 116436
Ion Ratio Lower Upper
264 100
260 35.5 19.9 29.9#
265 46.0 19.2 28.8#

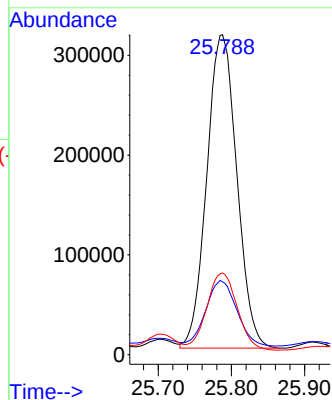
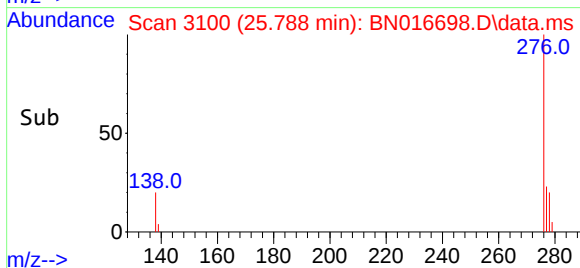




#36
Indeno(1,2,3-cd)pyrene
Concen: 2.16 ng
RT: 25.788 min Scan# 3100
Delta R.T. 0.024 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48



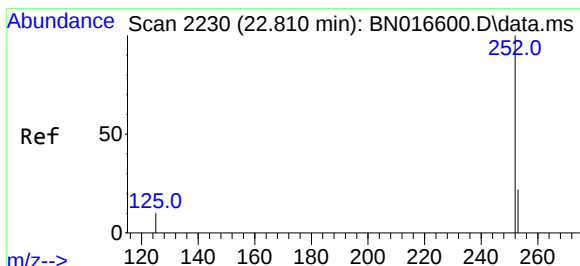
Tgt Ion:276 Resp: 897625
Ion Ratio Lower Upper
276 100
138 21.4 19.5 29.3
277 25.0 19.9 29.9



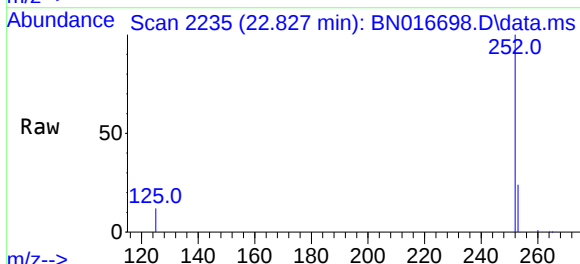
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221

Manual Integrations
APPROVED

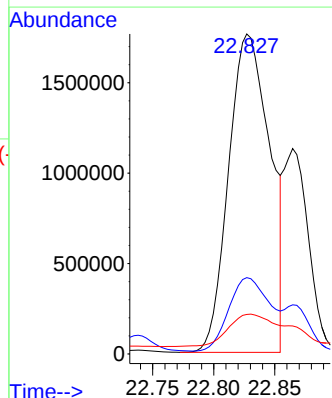
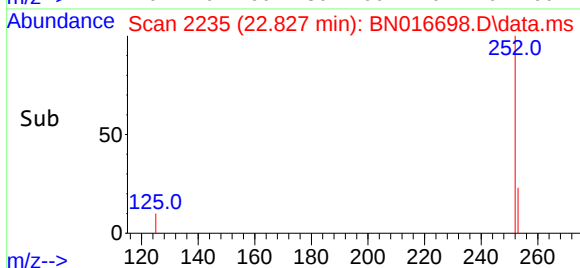
mohammad
10/4/2021 11:49:19 AM

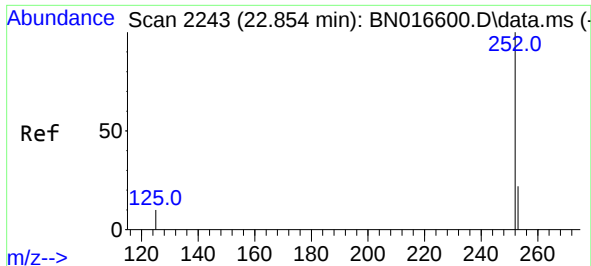


#37
Benzo(b)fluoranthene
Concen: 11.08 ng
RT: 22.827 min Scan# 2235
Delta R.T. 0.017 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

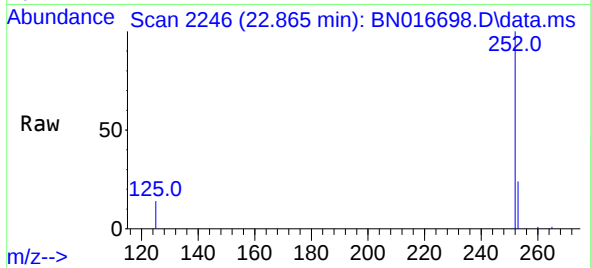


Tgt Ion:252 Resp: 4146605
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.8
125 12.4 8.0 12.0#

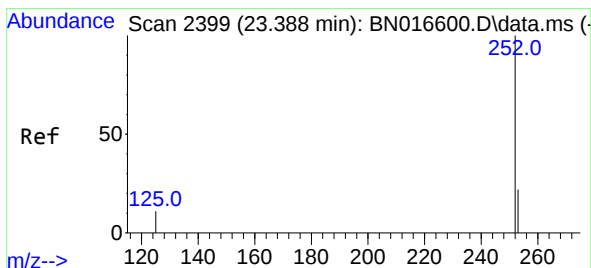
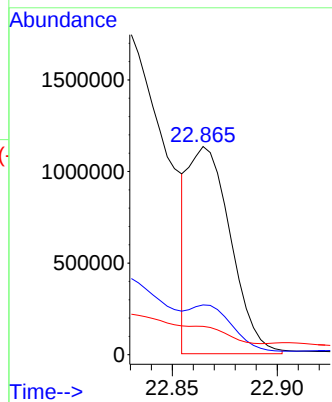
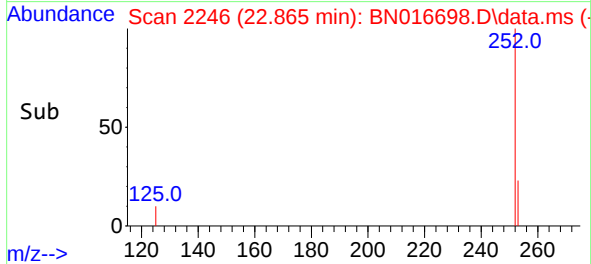




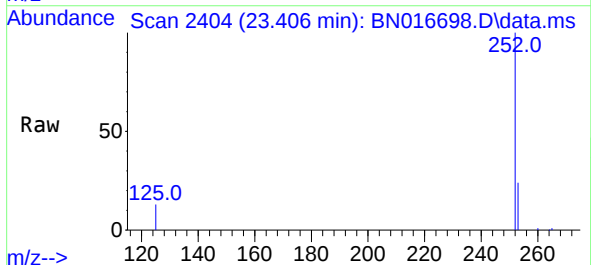
#38
Benzo(k)fluoranthene
Concen: 4.27 ng m
RT: 22.865 min Scan# 2246
Delta R.T. 0.010 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48



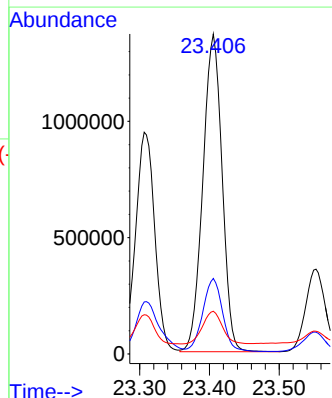
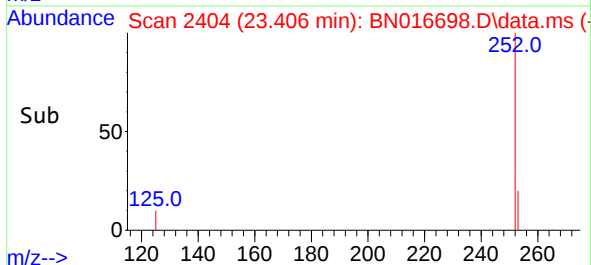
Tgt Ion:252 Resp: 1577582
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.6
125 13.6 8.0 12.0#



#39
Benzo(a)pyrene
Concen: 7.83 ng
RT: 23.406 min Scan# 2404
Delta R.T. 0.017 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48



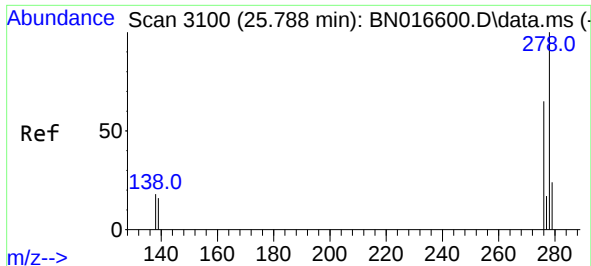
Tgt Ion:252 Resp: 2609791
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.8
125 13.3 9.0 13.4



Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221

Manual Integrations
APPROVED

mohammad
10/4/2021 11:49:19 AM



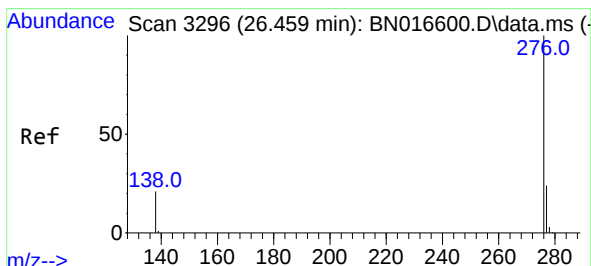
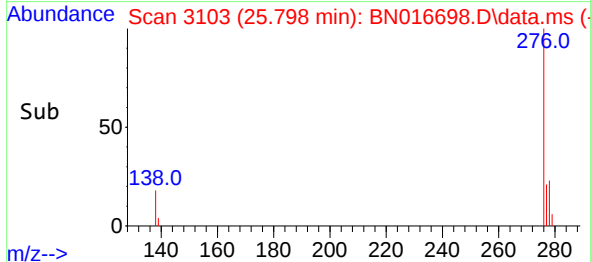
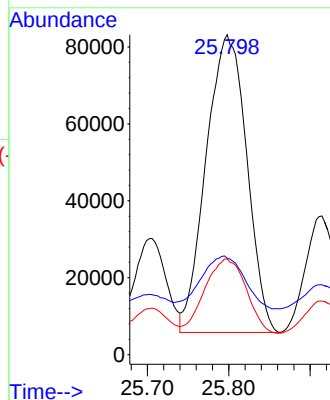
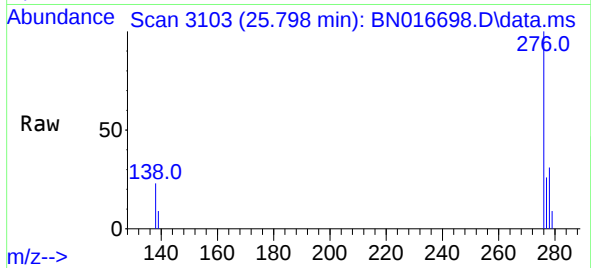
#40
Dibenzo(a,h)anthracene
Concen: 0.80 ng
RT: 25.798 min Scan# 3103
Delta R.T. 0.010 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

Tgt Ion: 278 Resp: 268461
Ion Ratio Lower Upper
278 100
139 30.2 13.1 19.7#
279 29.9 19.1 28.7#

Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221

Manual Integrations
APPROVED

mohammad
10/4/2021 11:49:19 AM



#41
Benzo(g,h,i)perylene
Concen: 1.96 ng
RT: 26.490 min Scan# 3305
Delta R.T. 0.031 min
Lab File: BN016698.D
Acq: 03 Oct 2021 08:48

Tgt Ion: 276 Resp: 718299
Ion Ratio Lower Upper
276 100
277 25.0 19.0 28.6
138 23.5 16.9 25.3

