

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101121\
 Data File : BN016884.D
 Acq On : 11 Oct 2021 14:18
 Operator : CG/JU
 Sample : M3966-03DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-830-J-SO-1-1.5-092721DL

Manual Integrations
 APPROVED

Quant Time: Oct 11 14:52:40 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 08 15:46:07 2021
 Response via : Initial Calibration

mohammad

10/12/2021 9:35:56 AM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.615	152	21738	0.400	ng	0.00
7) Naphthalene-d8	10.381	136	102315	0.400	ng	# 0.00
13) Acenaphthene-d10	14.243	164	58750	0.400	ng	0.00
19) Phenanthrene-d10	16.993	188	118088	0.400	ng	#-0.01
29) Chrysene-d12	21.217	240	116465	0.400	ng	# 0.01
35) Perylene-d12	23.457	264	124710	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.236	112	1457	0.027	ng	0.00
5) Phenol-d6	6.794	99	1566	0.025	ng	0.00
8) Nitrobenzene-d5	8.759	82	1907	0.027	ng	0.00
11) 2-Methylnaphthalene-d10	11.976	152	3920	0.026	ng	0.00
14) 2,4,6-Tribromophenol	15.740	330	767	0.025	ng	-0.01
15) 2-Fluorobiphenyl	12.860	172	5233	0.022	ng	-0.01
27) Fluoranthene-d10	19.043	212	8410	0.026	ng	0.00
31) Terphenyl-d14	19.654	244	7246	0.029	ng	0.00
Target Compounds						
16) Acenaphthylene	13.964	152	6788	0.026	ng	Qvalue 98
17) Acenaphthene	14.307	154	10323	0.060	ng	98
18) Fluorene	15.296	166	12376	0.059	ng	95
25) Phenanthrene	17.042	178	238538	0.680	ng	99
26) Anthracene	17.127	178	74237	0.238	ng	97
28) Fluoranthene	19.073	202	787409	1.999	ng	99
30) Pyrene	19.435	202	716436	2.001	ng	# 92
32) Benzo(a)anthracene	21.196	228	511865	1.421	ng	98
33) Chrysene	21.249	228	438375	1.195	ng	96
34) Bis(2-ethylhexyl)phtha...	21.142	149	15973	0.087	ng	# 96
36) Indeno(1,2,3-cd)pyrene	25.716	276	314653	0.666	ng	97
37) Benzo(b)fluoranthene	22.783	252	712370	1.805	ng	98
38) Benzo(k)fluoranthene	22.824	252	239056m	0.623	ng	
39) Benzo(a)pyrene	23.354	252	521374	1.445	ng	99
40) Dibenzo(a,h)anthracene	25.730	278	78292	0.203	ng	# 89
41) Benzo(g,h,i)perylene	26.408	276	303540	0.739	ng	99

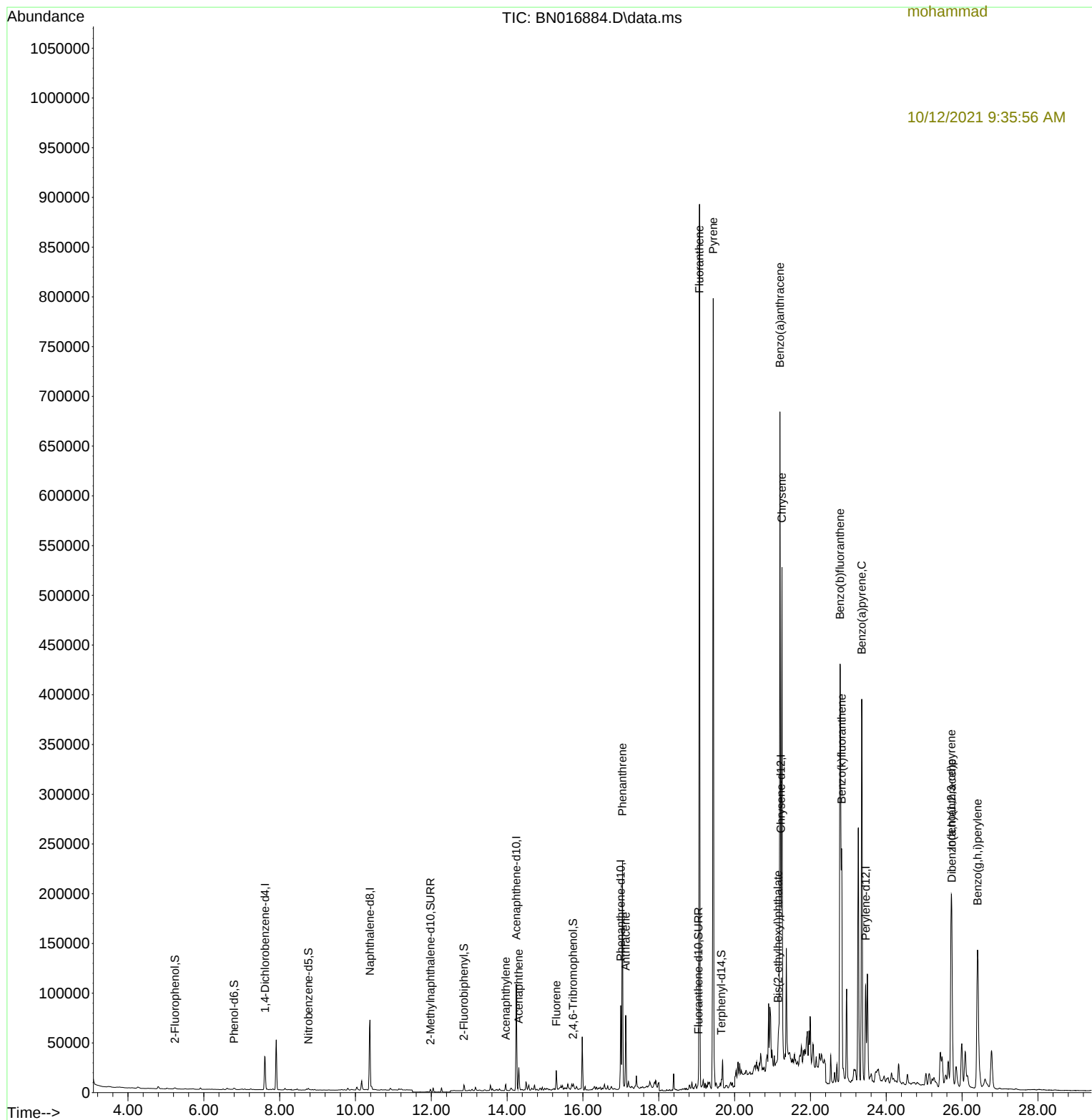
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101121\
Data File : BN016884.D
Acq On : 11 Oct 2021 14:18
Operator : CG/JU
Sample : M3966-03DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
S-830-J-SO-1-1.5-092721DL

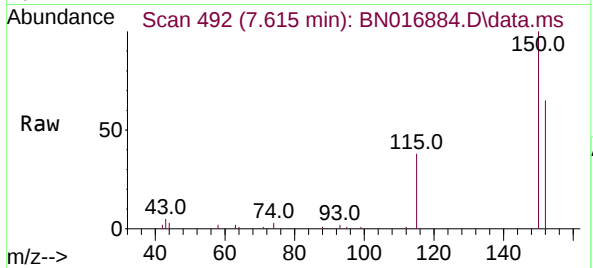
Manual Integrations
APPROVED

Quant Time: Oct 11 14:52:40 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 08 15:46:07 2021
Response via : Initial Calibration

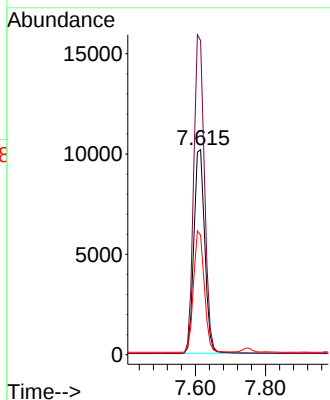




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.615 min Scan# 492
Delta R.T. 0.001 min
Lab File: BN016884.D
Acq: 11 Oct 2021 14:18



Tgt Ion:152 Resp: 21738
Ion Ratio Lower Upper
152 100
150 153.2 123.3 184.9
115 58.2 47.0 70.6

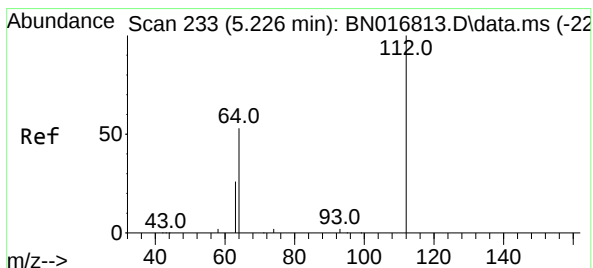


Instrument :
BNA_N
ClientSampleId :
S-830-J-SO-1-1.5-092721DL

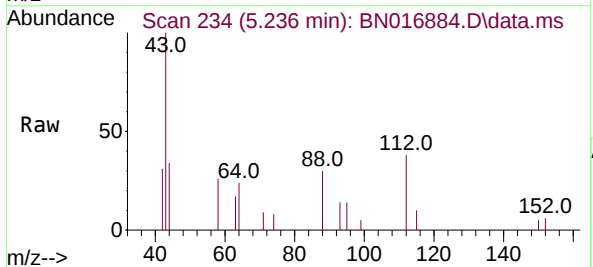
Manual Integrations
APPROVED

mohammad

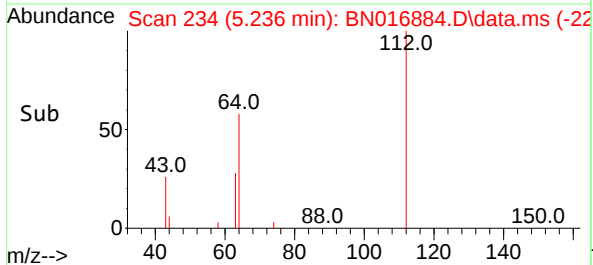
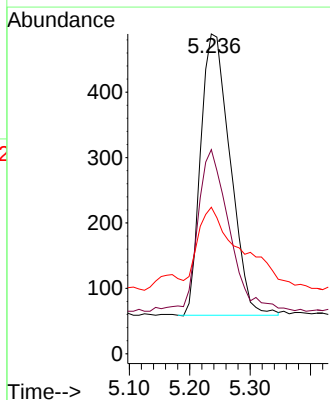
10/12/2021 9:35:56 AM

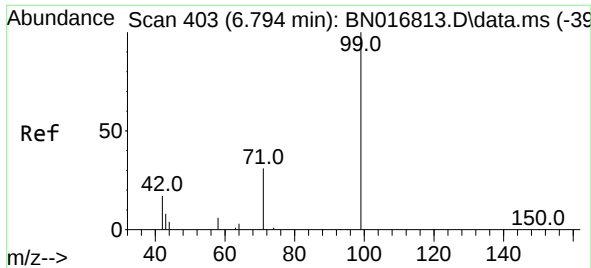


#4
2-Fluorophenol
Concen: 0.027 ng
RT: 5.236 min Scan# 234
Delta R.T. 0.000 min
Lab File: BN016884.D
Acq: 11 Oct 2021 14:18



Tgt Ion:112 Resp: 1457
Ion Ratio Lower Upper
112 100
64 57.7 42.9 64.3
63 33.4 21.5 32.3#



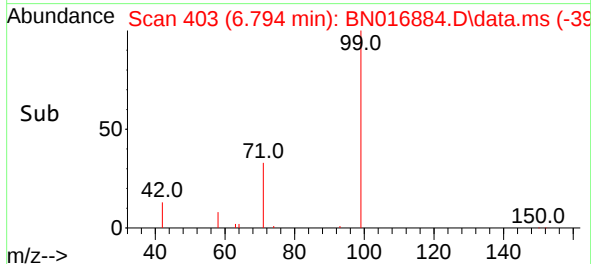
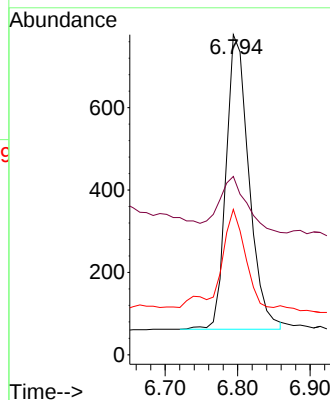
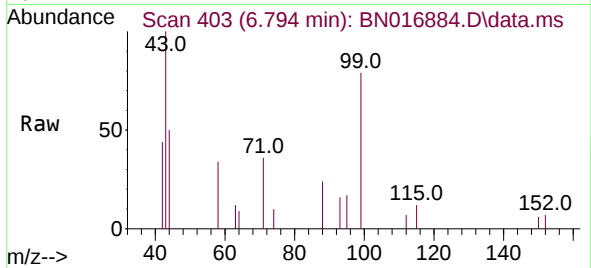


#5
Phenol-d6
Concen: 0.025 ng
RT: 6.794 min Scan# 403
Delta R.T. 0.000 min
Lab File: BN016884.D
Acq: 11 Oct 2021 14:18

Tgt Ion:	99	Resp:	1566
Ion	Ratio	Lower	Upper
99	100		
42	23.1	13.4	20.2#
71	34.4	24.0	36.0

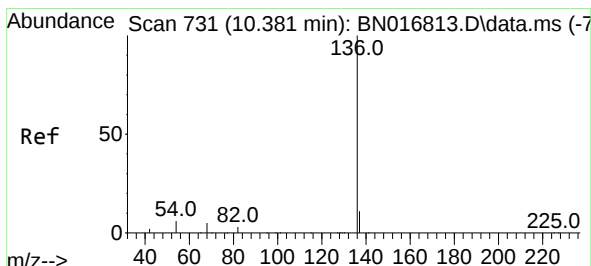
Instrument :
BNA_N
ClientSampleId :
S-830-J-SO-1-1.5-092721DL

Manual Integrations
APPROVED



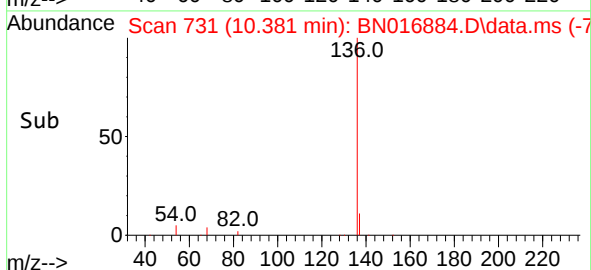
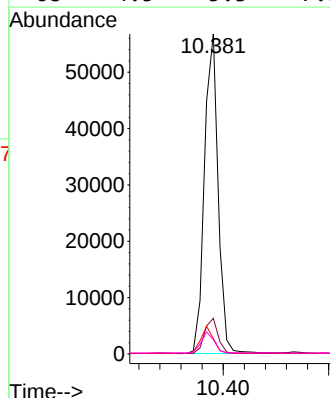
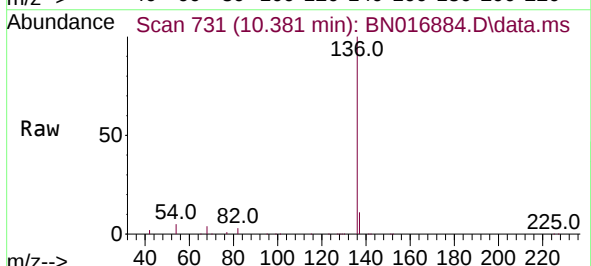
mohammad

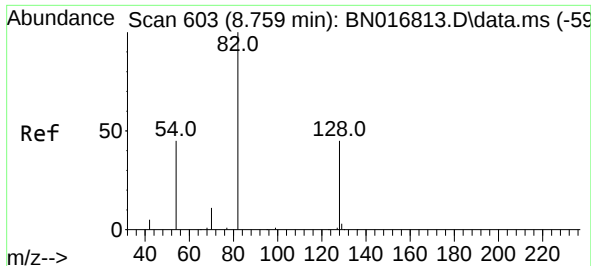
10/12/2021 9:35:56 AM



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.381 min Scan# 731
Delta R.T. 0.000 min
Lab File: BN016884.D
Acq: 11 Oct 2021 14:18

Tgt Ion:	136	Resp:	102315
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	4.9	6.5	9.7#
68	4.5	5.3	7.9#



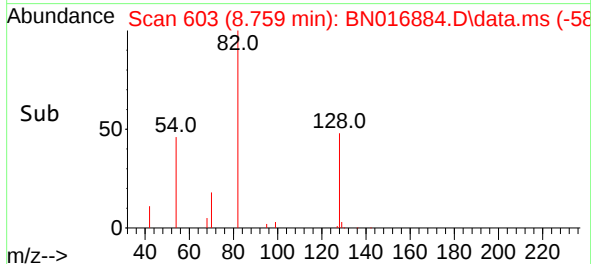
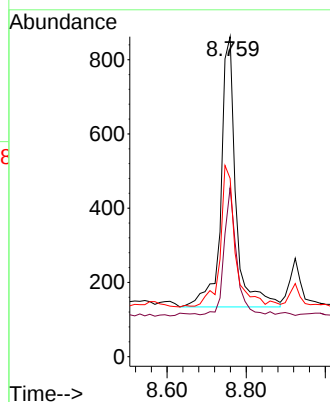
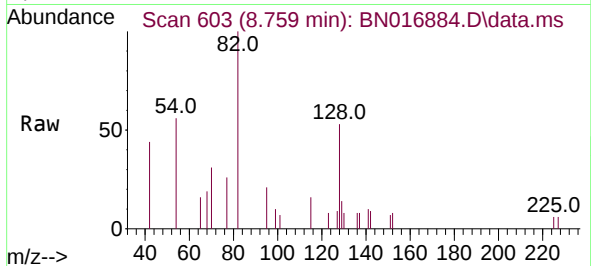


#8
Nitrobenzene-d5
Concen: 0.027 ng
RT: 8.759 min Scan# 603
Delta R.T. 0.000 min
Lab File: BN016884.D
Acq: 11 Oct 2021 14:18

Tgt Ion	Ratio	Lower	Upper
82	100		
128	52.8	33.8	50.6#
54	55.7	38.5	57.7

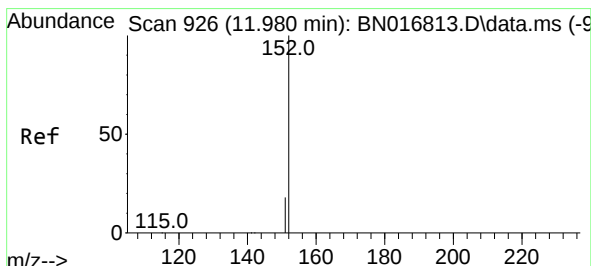
Instrument :
BNA_N
ClientSampleId :
S-830-J-SO-1-1.5-092721DL

Manual Integrations
APPROVED



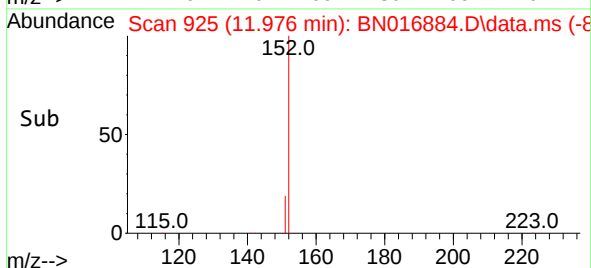
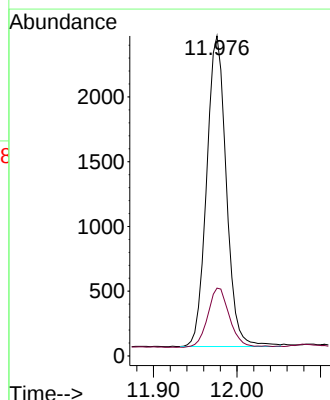
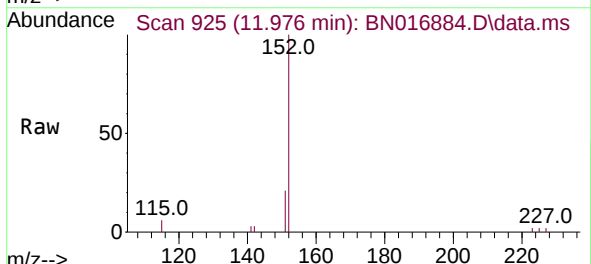
mohammad

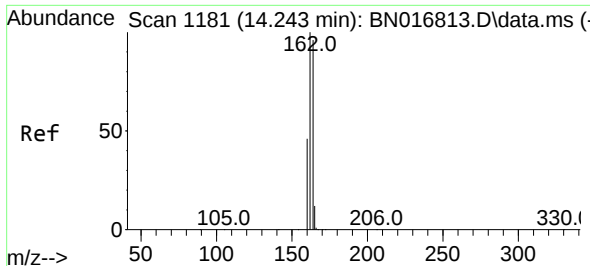
10/12/2021 9:35:56 AM



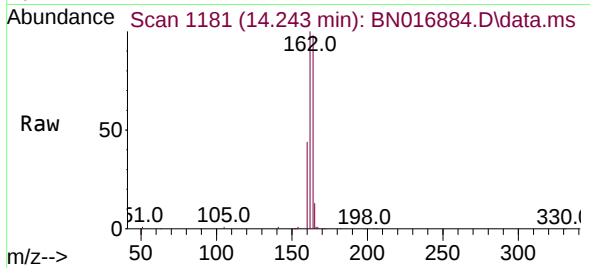
#11
2-Methylnaphthalene-d10
Concen: 0.026 ng
RT: 11.976 min Scan# 925
Delta R.T. -0.004 min
Lab File: BN016884.D
Acq: 11 Oct 2021 14:18

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.2	24.4

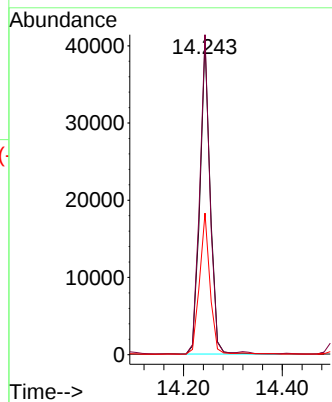
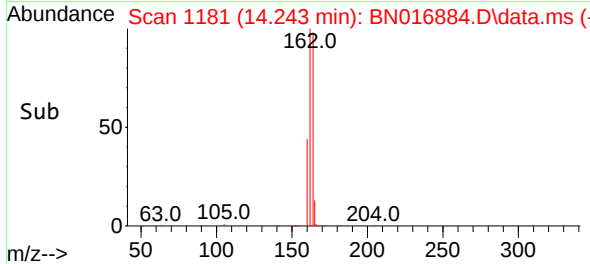




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.243 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BN016884.D
Acq: 11 Oct 2021 14:18



Tgt Ion:164 Resp: 58750
Ion Ratio Lower Upper
164 100
162 101.7 82.6 124.0
160 45.0 38.2 57.2

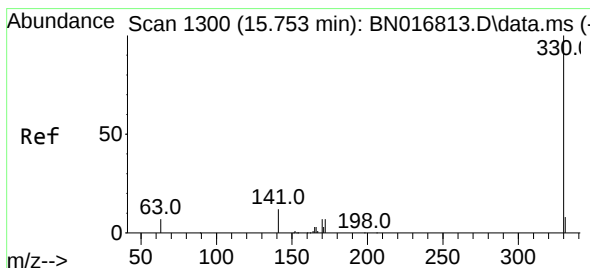


Instrument :
BNA_N
ClientSampleId :
S-830-J-SO-1-1.5-092721DL

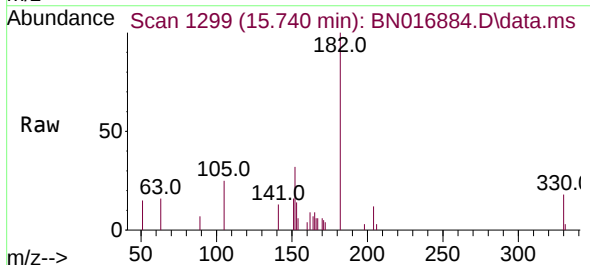
Manual Integrations
APPROVED

mohammad

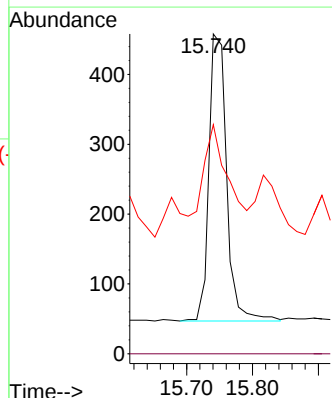
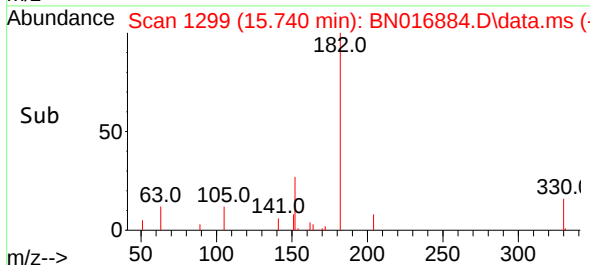
10/12/2021 9:35:56 AM

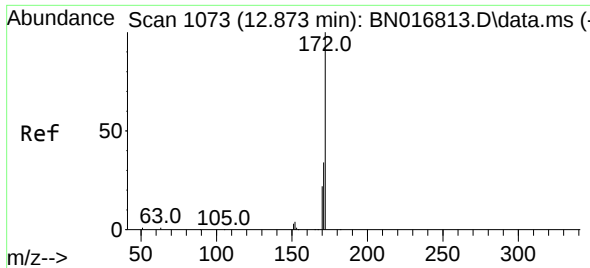


#14
2,4,6-Tribromophenol
Concen: 0.025 ng
RT: 15.740 min Scan# 1299
Delta R.T. -0.012 min
Lab File: BN016884.D
Acq: 11 Oct 2021 14:18



Tgt Ion:330 Resp: 767
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 39.1 24.2 36.2#



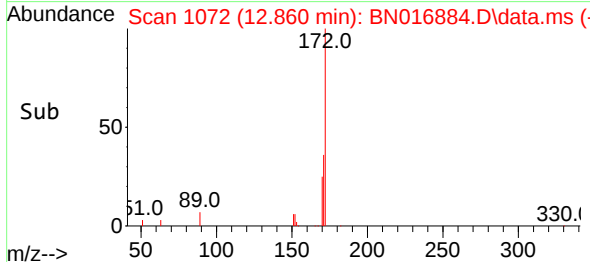
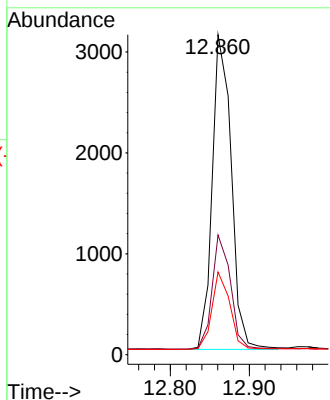
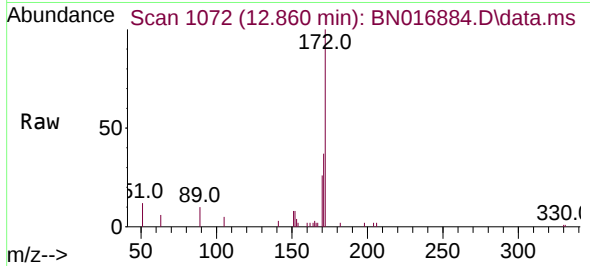


#15
2-Fluorobiphenyl
Concen: 0.022 ng
RT: 12.860 min Scan# 1072
Delta R.T. -0.012 min
Lab File: BN016884.D
Acq: 11 Oct 2021 14:18

Tgt Ion:	172	Resp:	5233
Ion Ratio	Lower	Upper	
172	100		
171	37.4	26.9	40.3
170	25.9	17.4	26.0

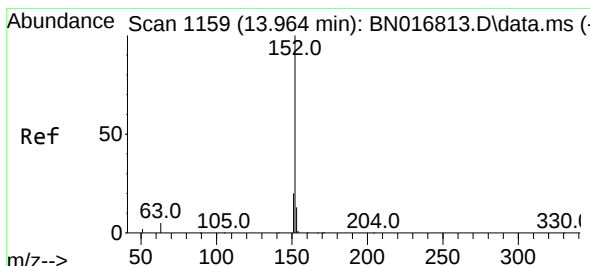
Instrument :
BNA_N
ClientSampleId :
S-830-J-SO-1-1.5-092721DL

Manual Integrations
APPROVED



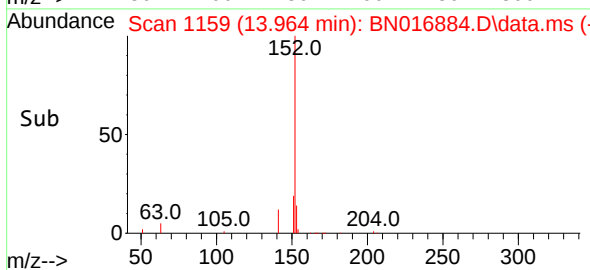
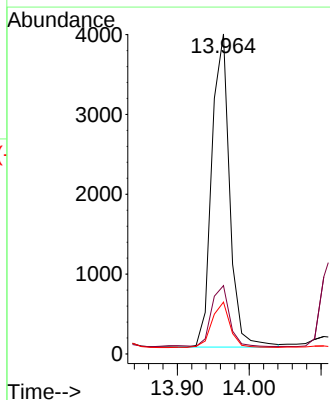
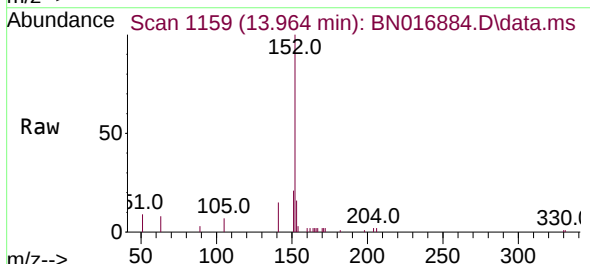
mohammad

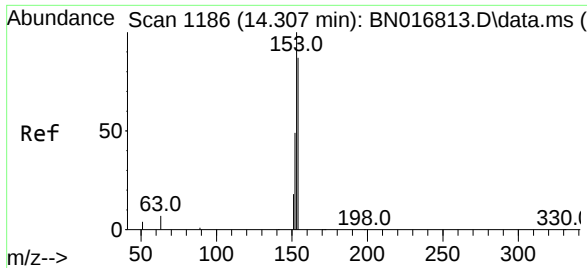
10/12/2021 9:35:56 AM



#16
Acenaphthylene
Concen: 0.026 ng
RT: 13.964 min Scan# 1159
Delta R.T. 0.000 min
Lab File: BN016884.D
Acq: 11 Oct 2021 14:18

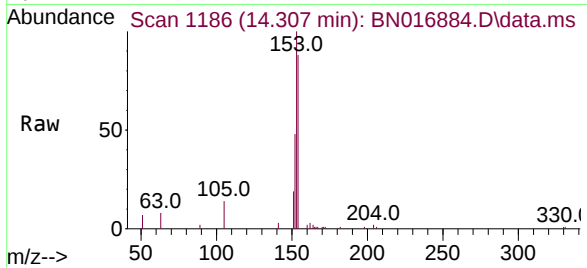
Tgt Ion:	152	Resp:	6788
Ion Ratio	Lower	Upper	
152	100		
151	19.4	15.5	23.3
153	14.7	10.4	15.6





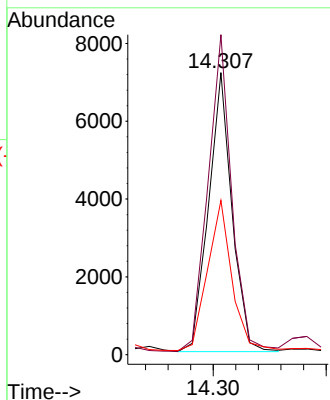
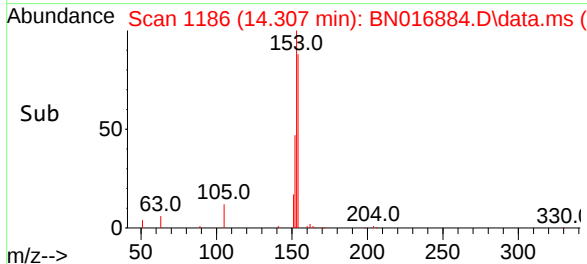
#17
Acenaphthene
Concen: 0.060 ng
RT: 14.307 min Scan# 1186
Delta R.T. 0.000 min
Lab File: BN016884.D
Acq: 11 Oct 2021 14:18

Instrument :
BNA_N
ClientSampleId :
S-830-J-SO-1-1.5-092721DL



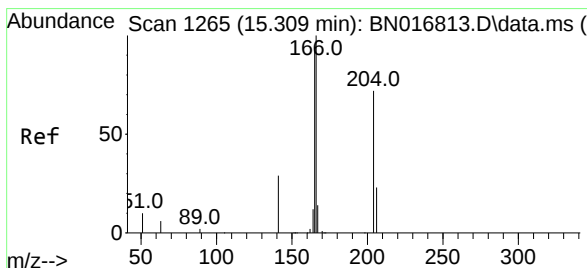
Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.6	90.1	135.1
152	57.2	43.6	65.4

Manual Integrations
APPROVED

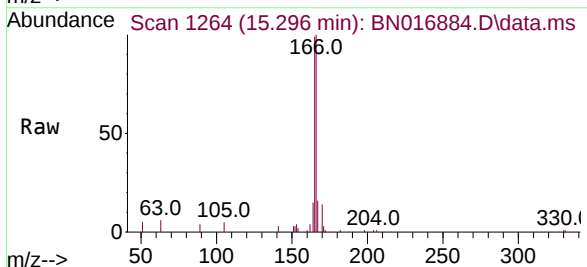


mohammad

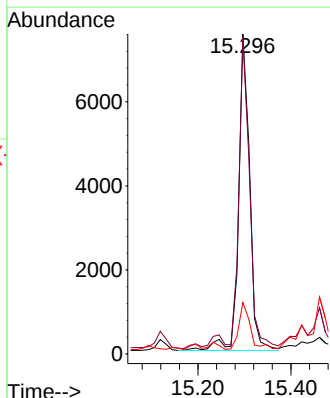
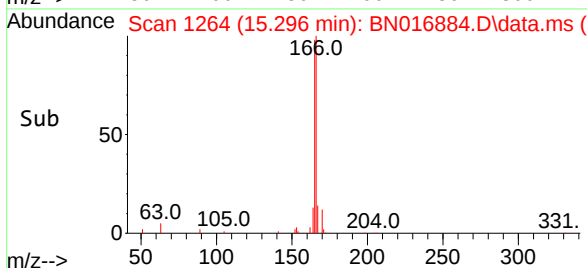
10/12/2021 9:35:56 AM

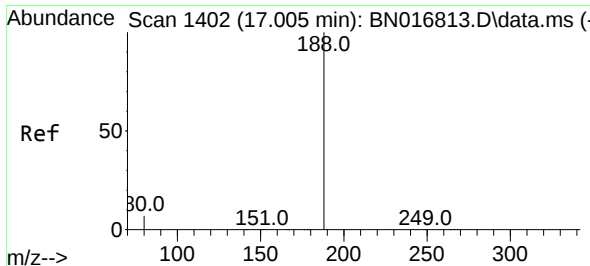


#18
Fluorene
Concen: 0.059 ng
RT: 15.296 min Scan# 1264
Delta R.T. 0.000 min
Lab File: BN016884.D
Acq: 11 Oct 2021 14:18

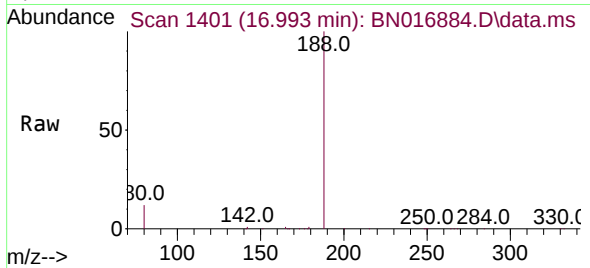


Tgt Ion	Ratio	Lower	Upper
166	100		
165	92.6	78.1	117.1
167	15.3	10.7	16.1

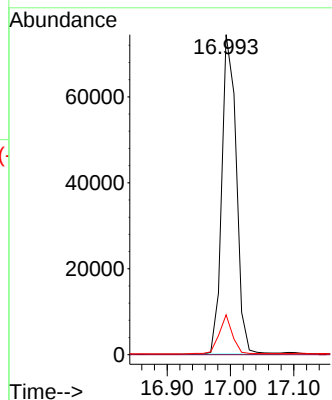




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.993 min Scan# 1401
Delta R.T. -0.012 min
Lab File: BN016884.D
Acq: 11 Oct 2021 14:18



Tgt Ion:188 Resp: 118088
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.4 5.8 8.8#

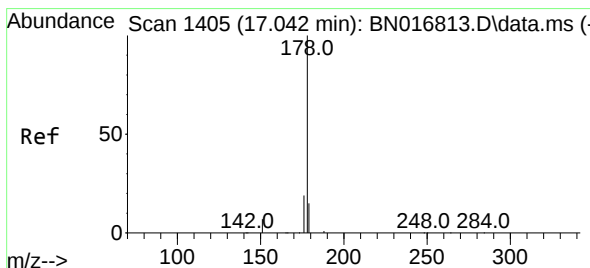


Instrument :
BNA_N
ClientSampleId :
S-830-J-SO-1-1.5-092721DL

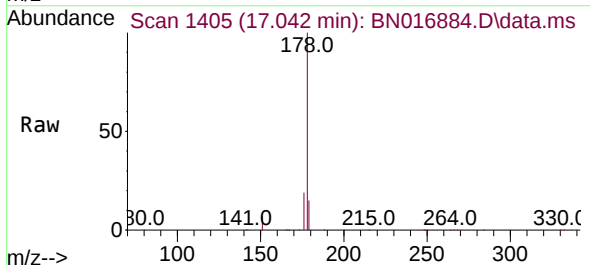
Manual Integrations
APPROVED

mohammad

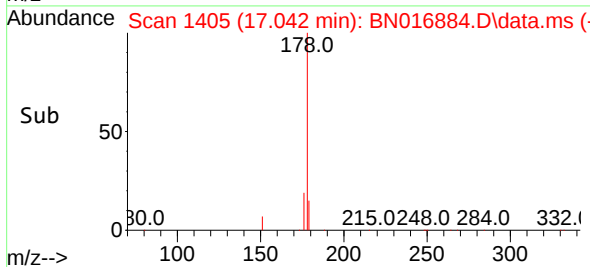
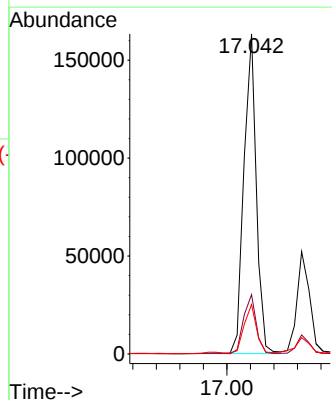
10/12/2021 9:35:56 AM

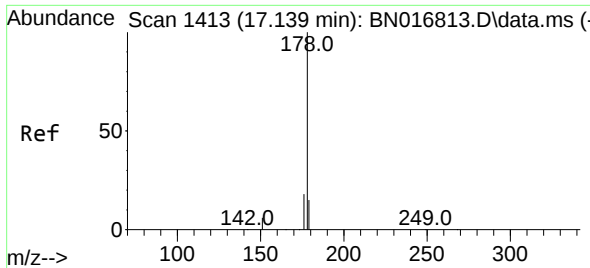


#25
Phenanthrene
Concen: 0.680 ng
RT: 17.042 min Scan# 1405
Delta R.T. 0.000 min
Lab File: BN016884.D
Acq: 11 Oct 2021 14:18

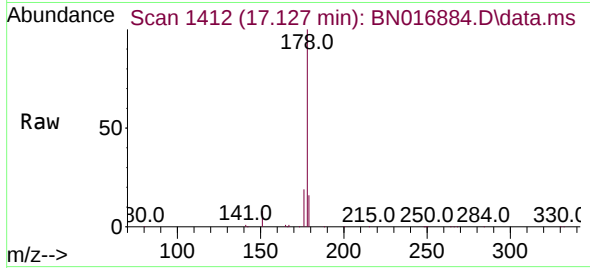


Tgt Ion:178 Resp: 238538
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 15.1 12.4 18.6



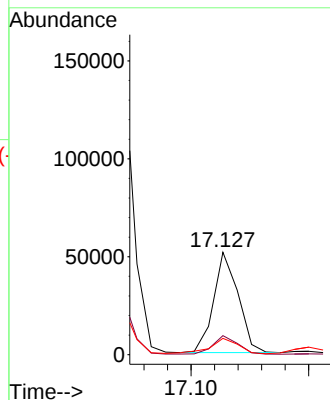


#26
 Anthracene
 Concen: 0.238 ng
 RT: 17.127 min Scan# 1412
 Delta R.T. 0.000 min
 Lab File: BN016884.D
 Acq: 11 Oct 2021 14:18



Tgt Ion:178 Resp: 74237

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.5	21.7
179	17.4	12.2	18.4

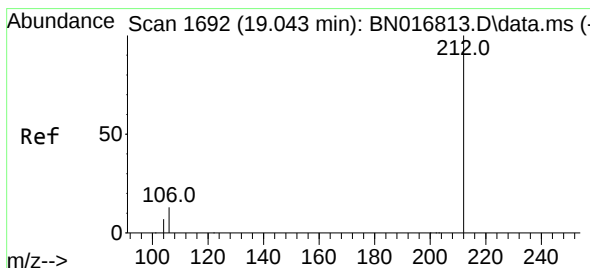


Instrument :
 BNA_N
 ClientSampleId :
 S-830-J-SO-1-1.5-092721DL

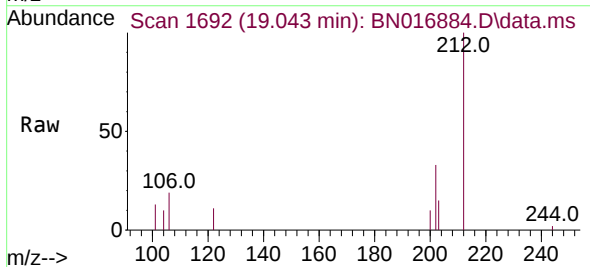
Manual Integrations
 APPROVED

mohammad

10/12/2021 9:35:56 AM

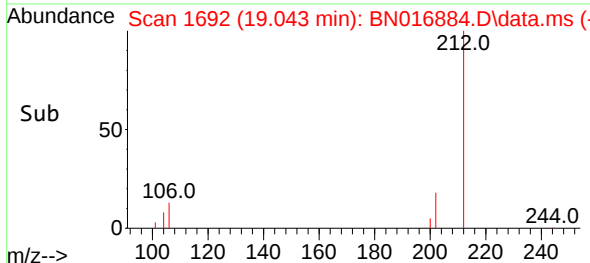
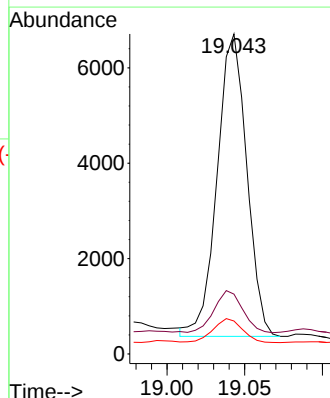


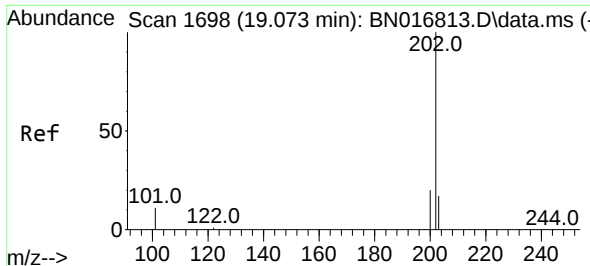
#27
 Fluoranthene-d10
 Concen: 0.026 ng
 RT: 19.043 min Scan# 1692
 Delta R.T. 0.000 min
 Lab File: BN016884.D
 Acq: 11 Oct 2021 14:18



Tgt Ion:212 Resp: 8410

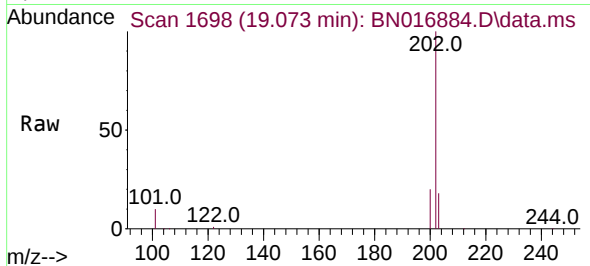
Ion	Ratio	Lower	Upper
212	100		
106	14.2	10.6	16.0
104	8.3	5.8	8.8





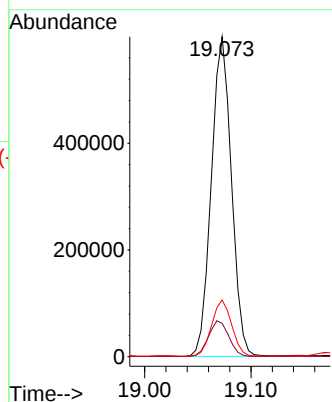
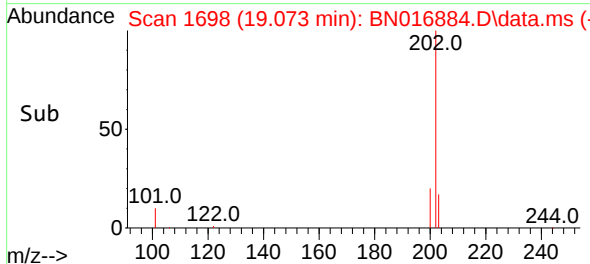
#28
Fluoranthene
Concen: 1.999 ng
RT: 19.073 min Scan# 1698
Delta R.T. 0.000 min
Lab File: BN016884.D
Acq: 11 Oct 2021 14:18

Instrument :
BNA_N
ClientSampleId :
S-830-J-SO-1-1.5-092721DL



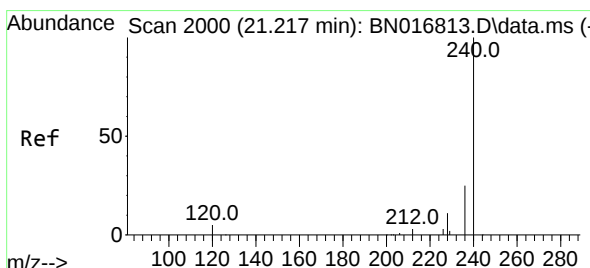
Tgt Ion:202 Resp: 787409
Ion Ratio Lower Upper
202 100
101 11.3 8.9 13.3
203 17.5 13.8 20.8

Manual Integrations
APPROVED

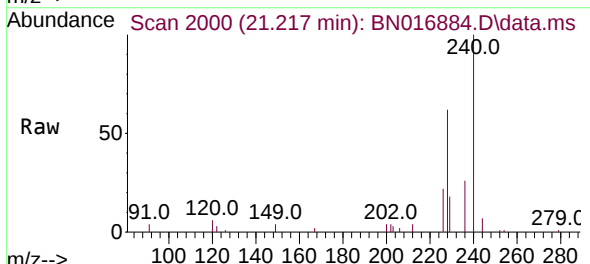


mohammad

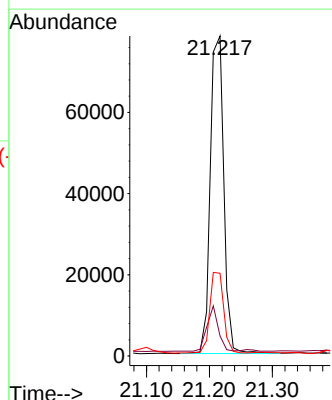
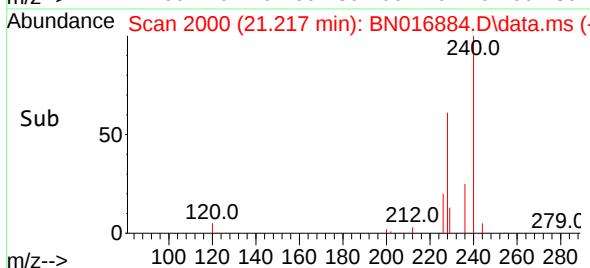
10/12/2021 9:35:56 AM

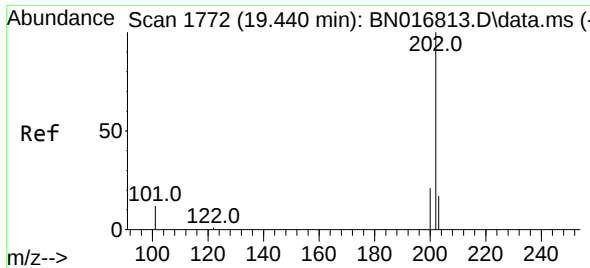


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.217 min Scan# 2000
Delta R.T. 0.011 min
Lab File: BN016884.D
Acq: 11 Oct 2021 14:18



Tgt Ion:240 Resp: 116465
Ion Ratio Lower Upper
240 100
120 6.3 6.6 10.0#
236 25.9 20.7 31.1



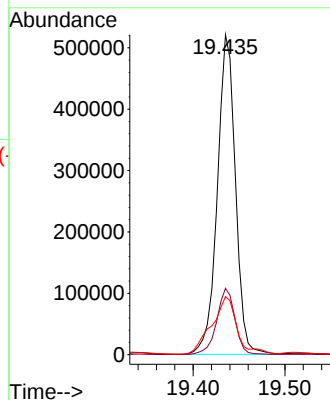
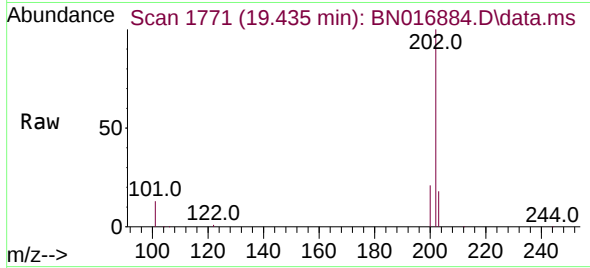


#30
Pyrene
Concen: 2.001 ng
RT: 19.435 min Scan# 1771
Delta R.T. 0.000 min
Lab File: BN016884.D
Acq: 11 Oct 2021 14:18

Tgt Ion:202 Resp: 716436
Ion Ratio Lower Upper
202 100
200 20.9 16.5 24.7
203 24.7 13.9 20.9#

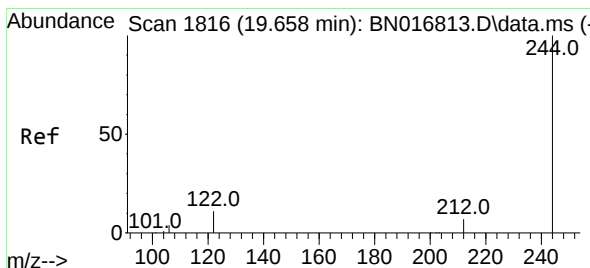
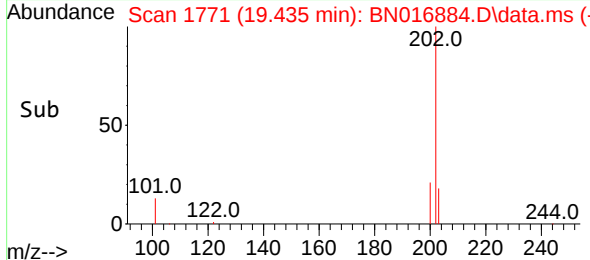
Instrument :
BNA_N
ClientSampleId :
S-830-J-SO-1-1.5-092721DL

Manual Integrations
APPROVED



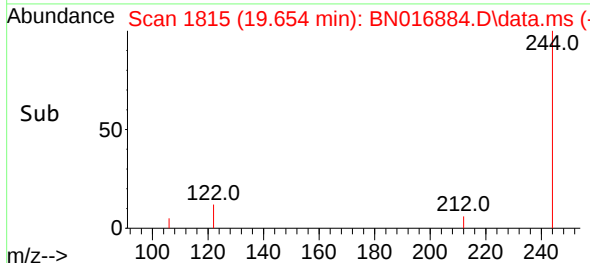
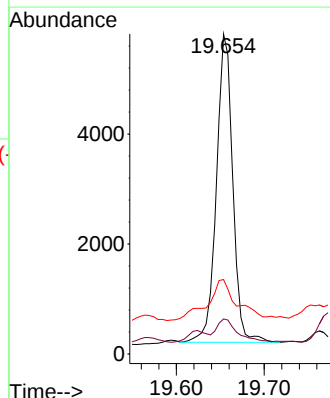
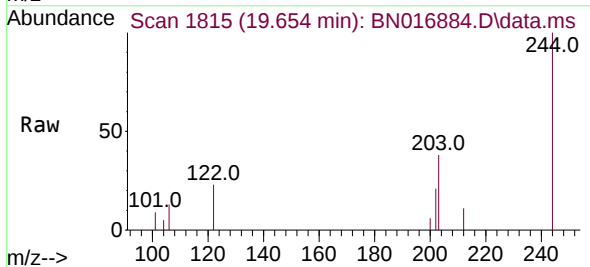
mohammad

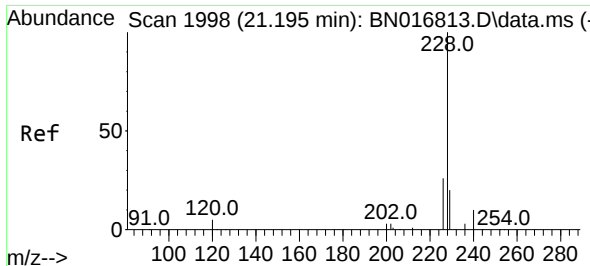
10/12/2021 9:35:56 AM



#31
Terphenyl-d14
Concen: 0.029 ng
RT: 19.654 min Scan# 1815
Delta R.T. -0.005 min
Lab File: BN016884.D
Acq: 11 Oct 2021 14:18

Tgt Ion:244 Resp: 7246
Ion Ratio Lower Upper
244 100
212 10.9 5.8 8.6#
122 23.3 8.9 13.3#



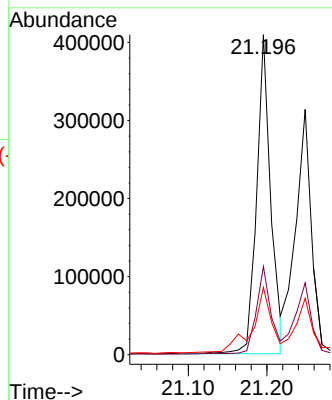
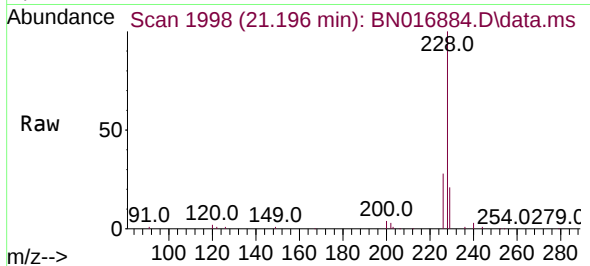


#32
Benzo(a)anthracene
Concen: 1.421 ng
RT: 21.196 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BN016884.D
Acq: 11 Oct 2021 14:18

Tgt Ion:228 Resp: 511865
Ion Ratio Lower Upper
228 100
226 27.5 22.3 33.5
229 21.0 15.4 23.0

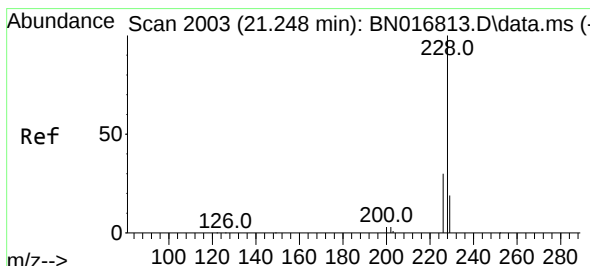
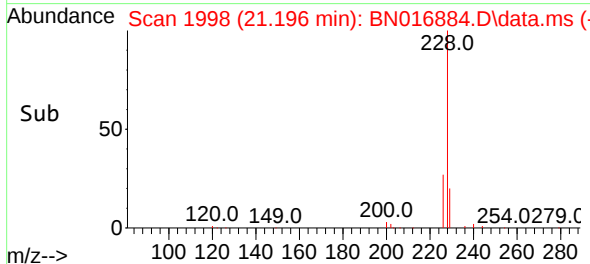
Instrument :
BNA_N
ClientSampleId :
S-830-J-SO-1-1.5-092721DL

Manual Integrations
APPROVED



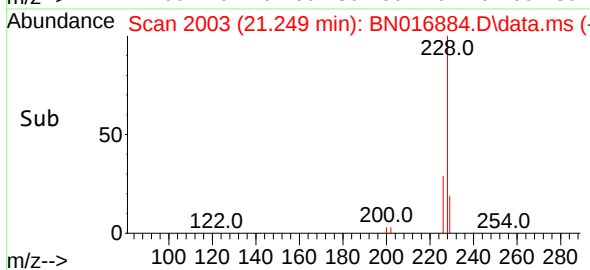
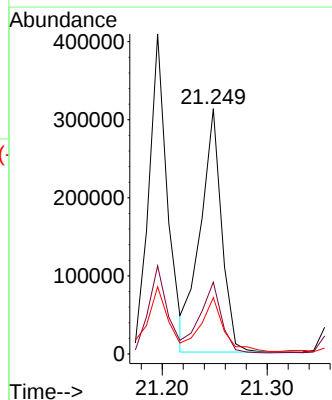
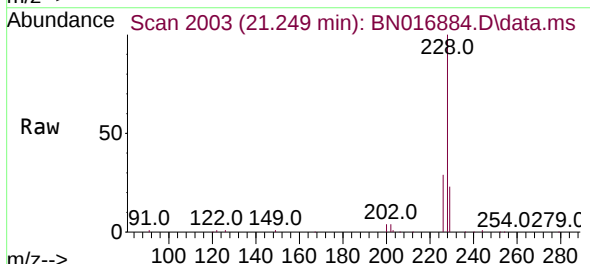
mohammad

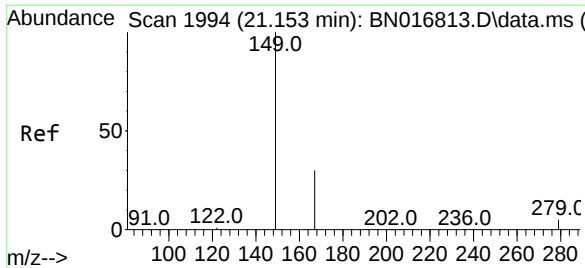
10/12/2021 9:35:56 AM



#33
Chrysene
Concen: 1.195 ng
RT: 21.249 min Scan# 2003
Delta R.T. 0.000 min
Lab File: BN016884.D
Acq: 11 Oct 2021 14:18

Tgt Ion:228 Resp: 438375
Ion Ratio Lower Upper
228 100
226 29.3 24.2 36.4
229 23.0 15.4 23.0



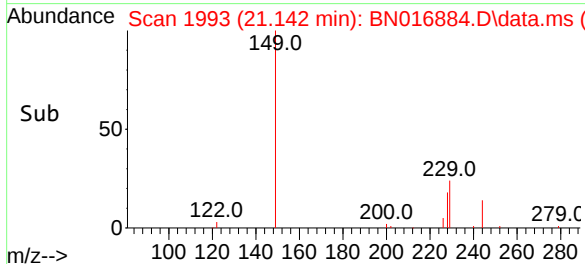
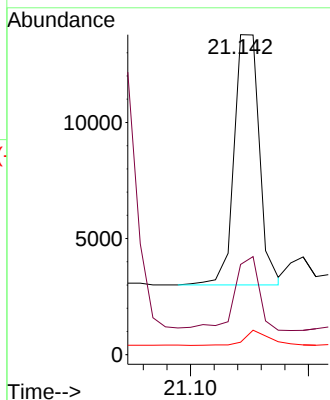
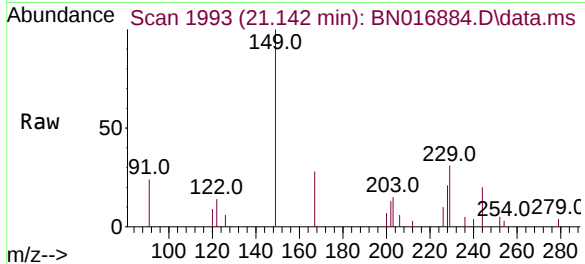


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.087 ng
RT: 21.142 min Scan# 1993
Delta R.T. -0.010 min
Lab File: BN016884.D
Acq: 11 Oct 2021 14:18

Tgt Ion:149 Resp: 15973
Ion Ratio Lower Upper
149 100
167 29.7 22.2 33.4
279 5.9 3.4 5.2#

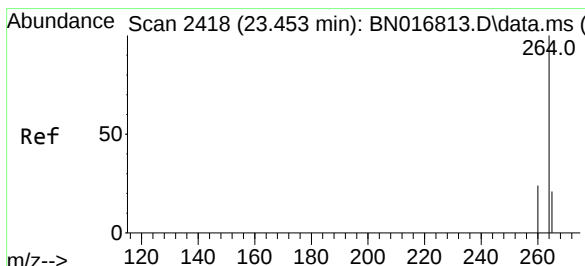
Instrument :
BNA_N
ClientSampleId :
S-830-J-SO-1-1.5-092721DL

Manual Integrations
APPROVED



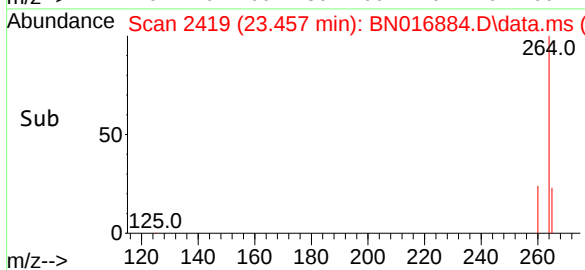
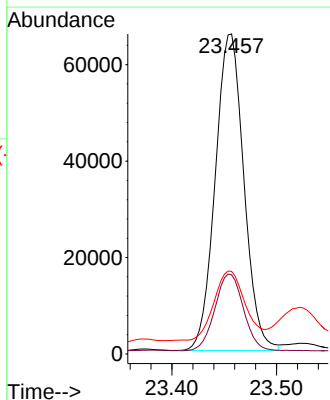
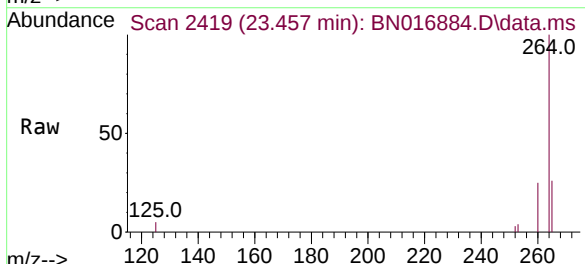
mohammad

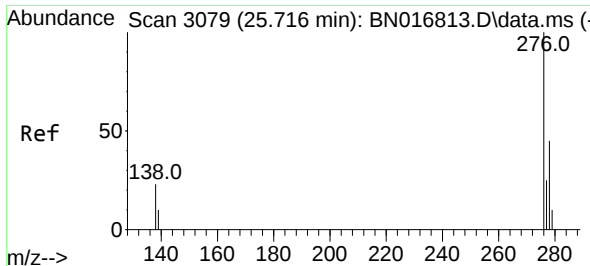
10/12/2021 9:35:56 AM



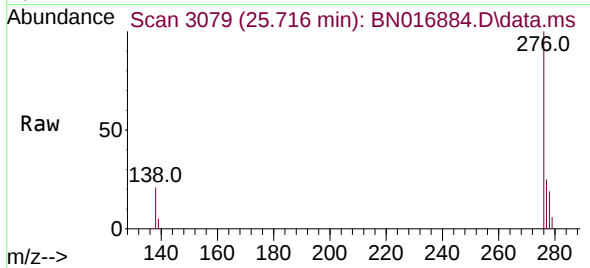
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.457 min Scan# 2419
Delta R.T. 0.004 min
Lab File: BN016884.D
Acq: 11 Oct 2021 14:18

Tgt Ion:264 Resp: 124710
Ion Ratio Lower Upper
264 100
260 24.8 19.8 29.6
265 25.8 20.3 30.5

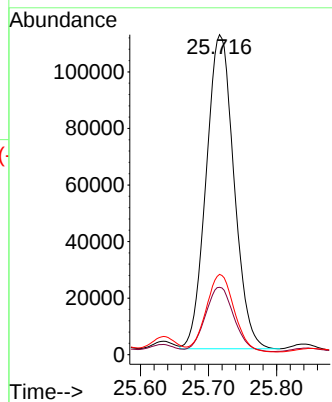
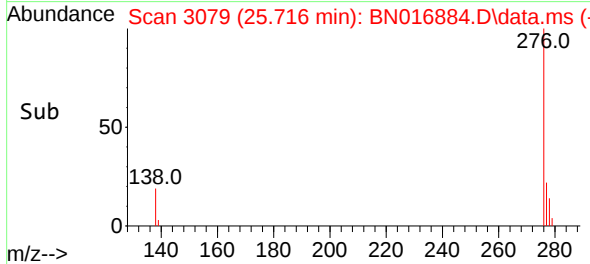




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.666 ng
RT: 25.716 min Scan# 3079
Delta R.T. 0.000 min
Lab File: BN016884.D
Acq: 11 Oct 2021 14:18



Tgt Ion: 276 Resp: 314653
Ion Ratio Lower Upper
276 100
138 21.0 19.2 28.8
277 24.9 20.0 30.0

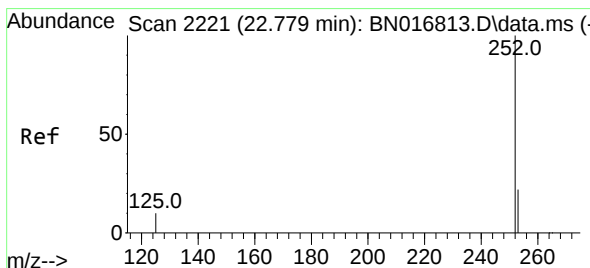


Instrument :
BNA_N
ClientSampleId :
S-830-J-SO-1-1.5-092721DL

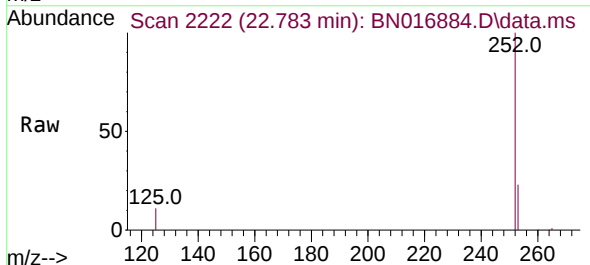
Manual Integrations
APPROVED

mohammad

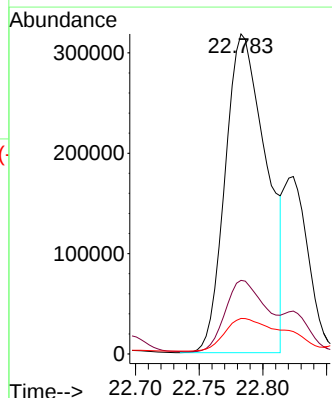
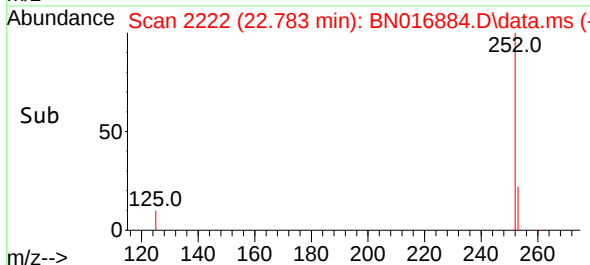
10/12/2021 9:35:56 AM

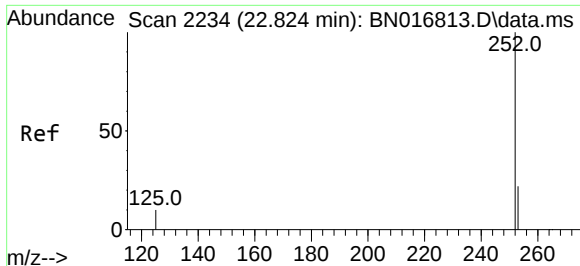


#37
Benzo(b)fluoranthene
Concen: 1.805 ng
RT: 22.783 min Scan# 2222
Delta R.T. 0.004 min
Lab File: BN016884.D
Acq: 11 Oct 2021 14:18

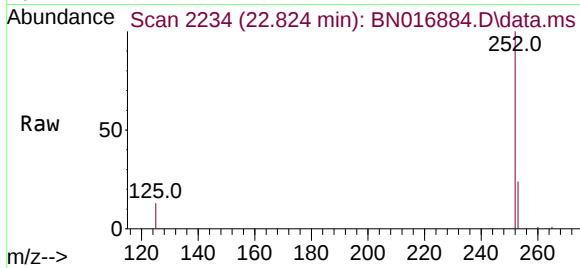


Tgt Ion: 252 Resp: 712370
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 11.1 8.3 12.5

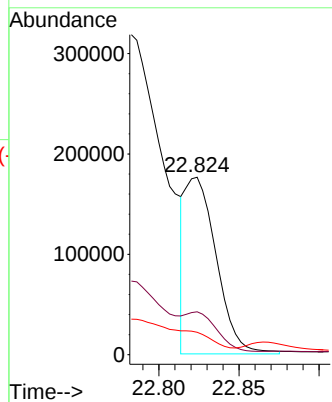
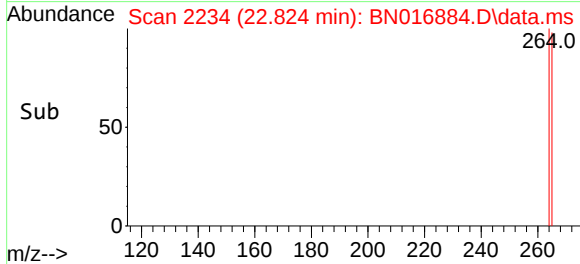




#38
Benzo(k)fluoranthene
Concen: 0.623 ng m
RT: 22.824 min Scan# 2234
Delta R.T. 0.000 min
Lab File: BN016884.D
Acq: 11 Oct 2021 14:18



Tgt Ion:252 Resp: 239056
Ion Ratio Lower Upper
252 100
253 24.2 17.8 26.8
125 12.6 8.5 12.7

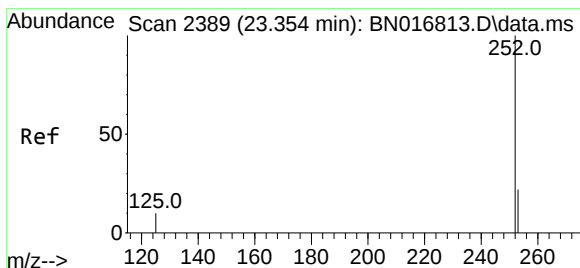


Instrument :
BNA_N
ClientSampleId :
S-830-J-SO-1-1.5-092721DL

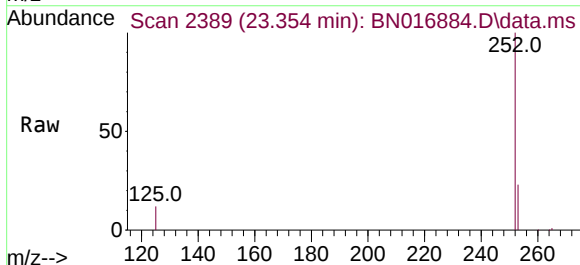
Manual Integrations
APPROVED

mohammad

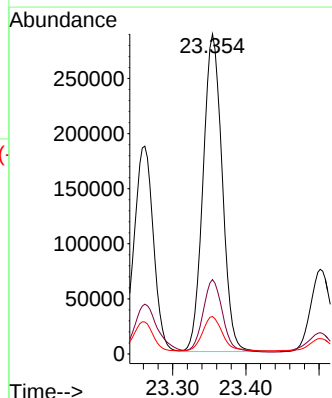
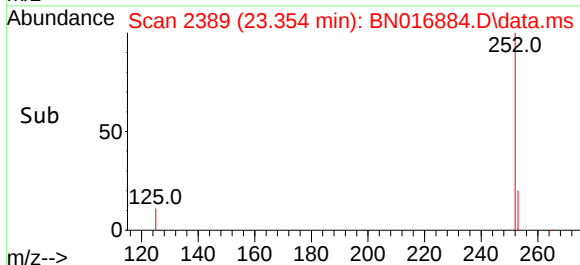
10/12/2021 9:35:56 AM

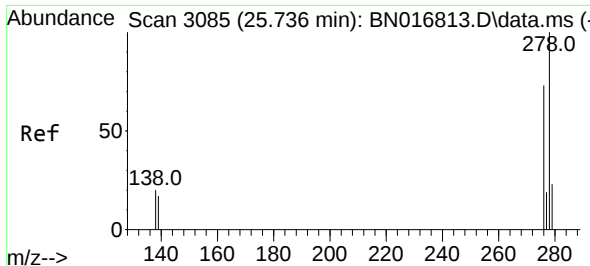


#39
Benzo(a)pyrene
Concen: 1.445 ng
RT: 23.354 min Scan# 2389
Delta R.T. 0.000 min
Lab File: BN016884.D
Acq: 11 Oct 2021 14:18



Tgt Ion:252 Resp: 521374
Ion Ratio Lower Upper
252 100
253 23.3 17.9 26.9
125 11.7 9.4 14.2



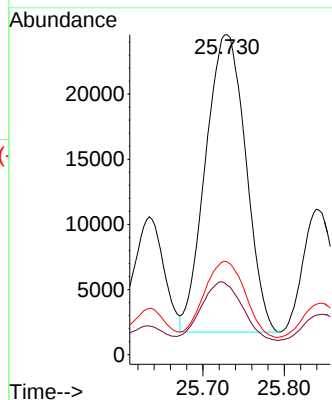
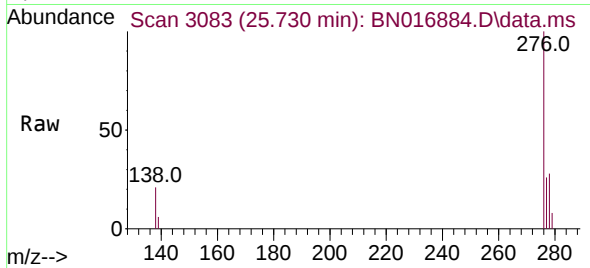


#40
Dibenzo(a,h)anthracene
Concen: 0.203 ng
RT: 25.730 min Scan# 3083
Delta R.T. -0.010 min
Lab File: BN016884.D
Acq: 11 Oct 2021 14:18

Tgt Ion:278 Resp: 78292
Ion Ratio Lower Upper
278 100
139 21.6 13.1 19.7#
279 28.9 19.3 28.9#

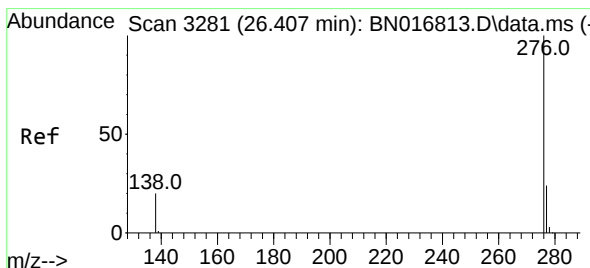
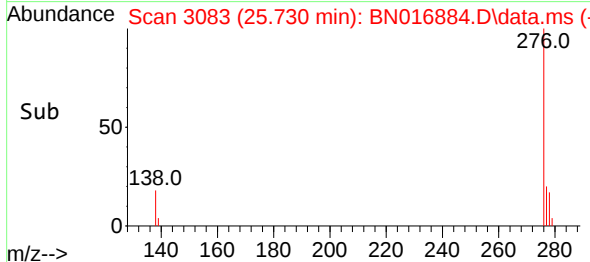
Instrument :
BNA_N
ClientSampleId :
S-830-J-SO-1-1.5-092721DL

Manual Integrations
APPROVED



mohammad

10/12/2021 9:35:56 AM



#41
Benzo(g,h,i)perylene
Concen: 0.739 ng
RT: 26.408 min Scan# 3281
Delta R.T. 0.000 min
Lab File: BN016884.D
Acq: 11 Oct 2021 14:18

Tgt Ion:276 Resp: 303540
Ion Ratio Lower Upper
276 100
277 24.3 19.0 28.4
138 21.8 17.0 25.6

