

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092920\
 Data File : BN012026.D
 Acq On : 29 Sep 2020 18:37
 Operator : CG/JU
 Sample : PB131967BL
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB131967BL

Manual Integrations
 APPROVED

mohammad
 10/1/2020 1:31:11 PM

Quant Time: Sep 29 19:10:34 2020
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 10:58:58 2020
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.675	152	1447	0.40	ng	0.00
7) Naphthalene-d8	10.440	136	6114	0.40	ng	# 0.00
13) Acenaphthene-d10	14.306	164	3434	0.40	ng	0.00
19) Phenanthrene-d10	17.053	188	6806	0.40	ng	# 0.00
29) Chrysene-d12	21.248	240	6477	0.40	ng	# 0.00
36) Perylene-d12	23.456	264	6882	0.40	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.275	112	838	0.17	ng	0.00
5) Phenol-d6	6.845	99	651	0.10	ng	0.00
8) Nitrobenzene-d5	8.818	82	1757	0.28	ng	0.00
11) 2-Methylnaphthalene-d10	12.038	152	2436	0.25	ng	0.00
14) 2,4,6-Tribromophenol	15.803	330	684	0.41	ng	0.01
15) 2-Fluorobiphenyl	12.923	172	3917	0.30	ng	0.00
27) Fluoranthene-d10	19.082	212	6123	0.31	ng	0.00
31) Terphenyl-d14	19.688	244	7914	0.53	ng	0.00
Target Compounds						Qvalue
25) Phenanthrene	17.090	178	621m	0.03	ng	
26) Anthracene	17.175	178	432	0.02	ng	98
28) Fluoranthene	19.112	202	1263	0.05	ng	# 90
30) Pyrene	19.479	202	1311	0.05	ng	97
32) Benzo(a)anthracene	21.227	228	1366	0.07	ng	# 89
33) Chrysene	21.280	228	1551	0.07	ng	# 89
34) Bis(2-ethylhexyl)phtha...	21.174	149	7692	0.52	ng	# 89
35) Indeno(1,2,3-cd)pyrene	25.668	276	1896	0.07	ng	# 76
37) Benzo(b)fluoranthene	22.799	252	1579	0.07	ng	# 22
38) Benzo(k)fluoranthene	22.840	252	1655	0.06	ng	# 18
39) Benzo(a)pyrene	23.361	252	1345	0.06	ng	# 1
40) Dibenzo(a,h)anthracene	25.688	278	1538	0.07	ng	# 27
41) Benzo(g,h,i)perylene	26.345	276	1691	0.07	ng	# 75

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

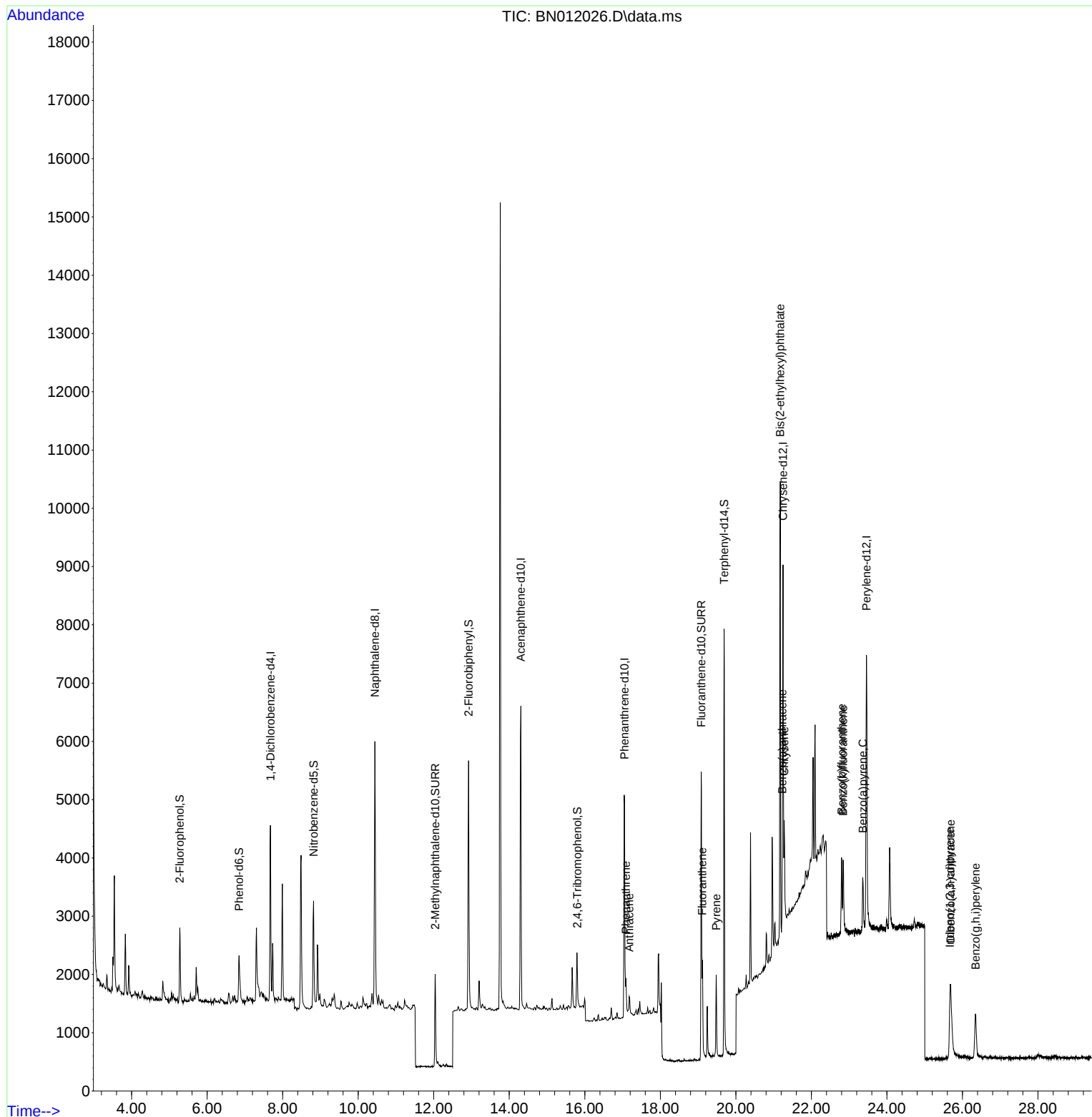
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092920\
Data File : BN012026.D
Acq On : 29 Sep 2020 18:37
Operator : CG/JU
Sample : PB131967BL
Misc :
ALS Vial : 15 Sample Multiplier: 1

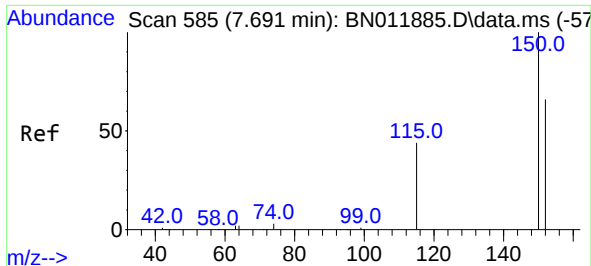
Instrument :
BNA_N
ClientSampleId :
PB131967BL

Manual Integrations
APPROVED

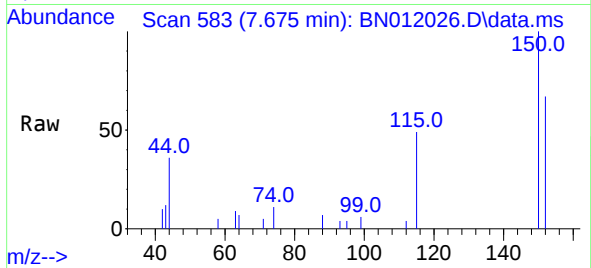
mohammad
10/1/2020 1:31:11 PM

Quant Time: Sep 29 19:10:34 2020
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 29 10:58:58 2020
Response via : Initial Calibration

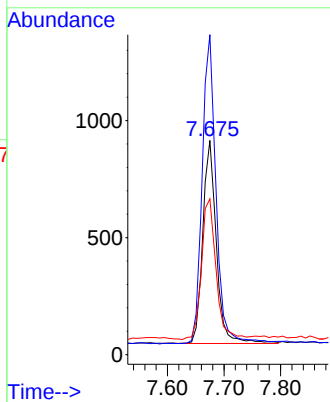
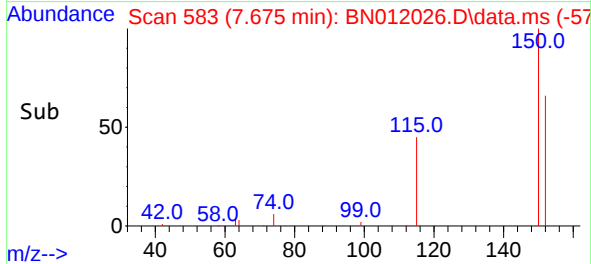




#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.675 min Scan# 583
Delta R.T. -0.000 min
Lab File: BN012026.D
Acq: 29 Sep 2020 18:37



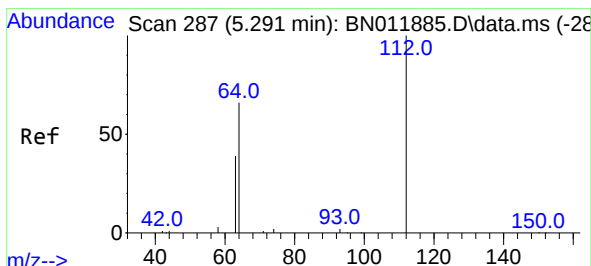
Tgt Ion:152 Resp: 1447
Ion Ratio Lower Upper
152 100
150 149.4 118.3 177.5
115 72.8 51.3 76.9



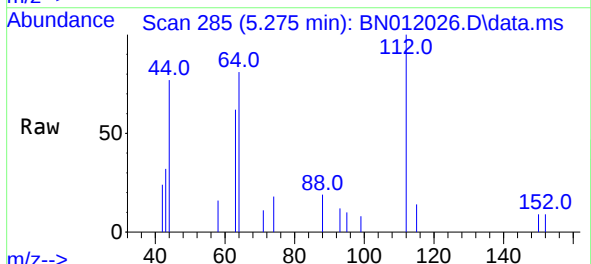
Instrument :
BNA_N
ClientSampleId :
PB131967BL

Manual Integrations
APPROVED

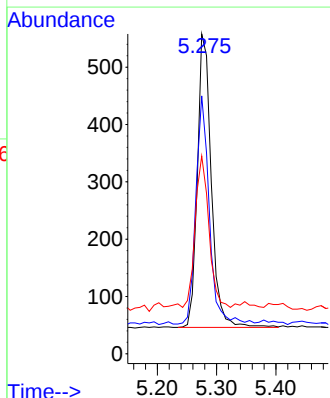
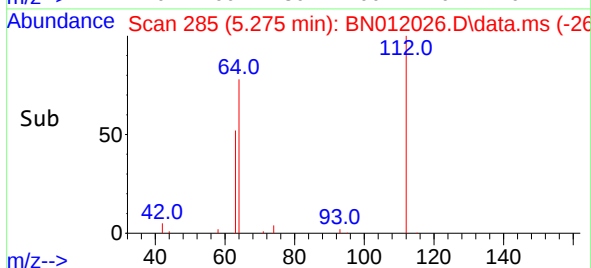
mohammad
10/1/2020 1:31:11 PM

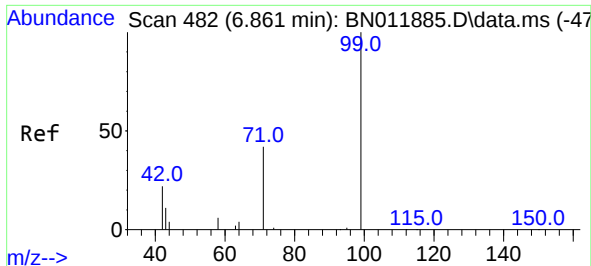


#4
2-Fluorophenol
Concen: 0.17 ng
RT: 5.275 min Scan# 285
Delta R.T. 0.000 min
Lab File: BN012026.D
Acq: 29 Sep 2020 18:37



Tgt Ion:112 Resp: 838
Ion Ratio Lower Upper
112 100
64 75.4 49.0 73.6#
63 53.8 31.8 47.6#





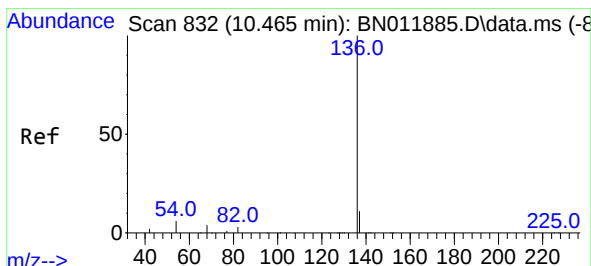
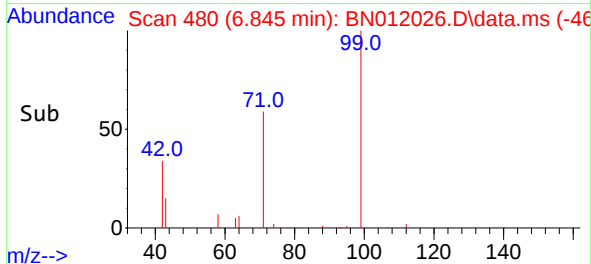
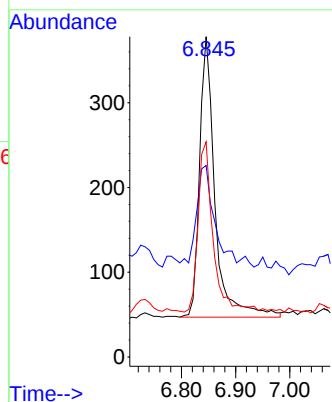
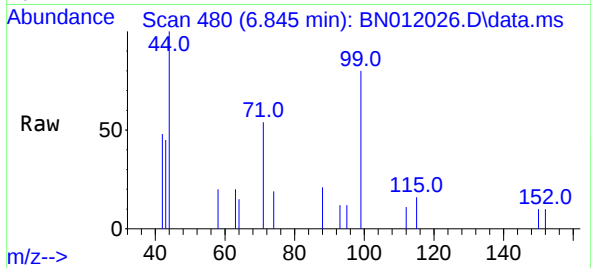
#5
Phenol-d6
Concen: 0.10 ng
RT: 6.845 min Scan# 480
Delta R.T. 0.000 min
Lab File: BN012026.D
Acq: 29 Sep 2020 18:37

Tgt Ion: 99 Resp: 651
Ion Ratio Lower Upper
99 100
42 49.6 23.4 35.0#
71 60.1 38.1 57.1#

Instrument :
BNA_N
ClientSampleId :
PB131967BL

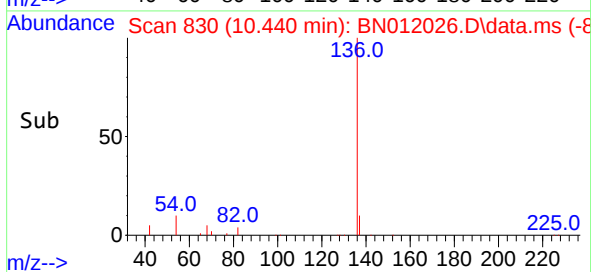
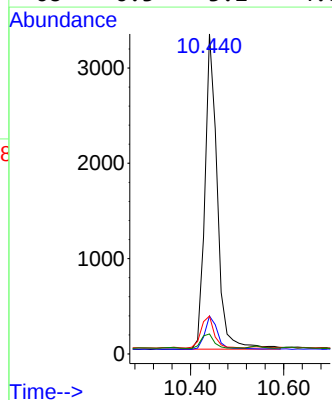
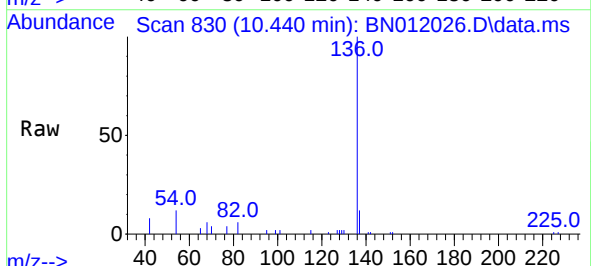
Manual Integrations
APPROVED

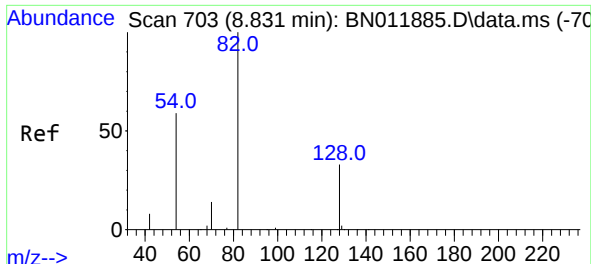
mohammad
10/1/2020 1:31:11 PM



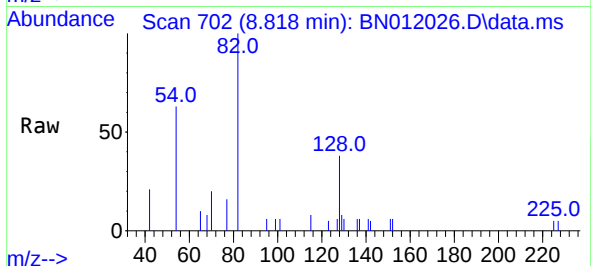
#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.440 min Scan# 830
Delta R.T. 0.000 min
Lab File: BN012026.D
Acq: 29 Sep 2020 18:37

Tgt Ion: 136 Resp: 6114
Ion Ratio Lower Upper
136 100
137 11.8 9.5 14.3
54 11.8 5.6 8.4#
68 6.3 3.2 4.8#

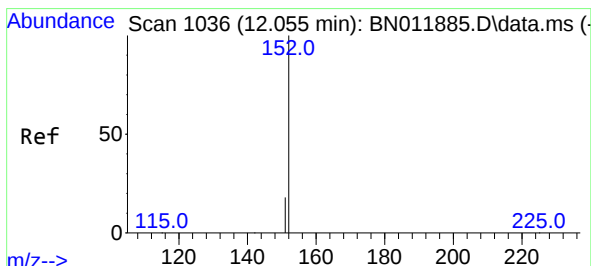
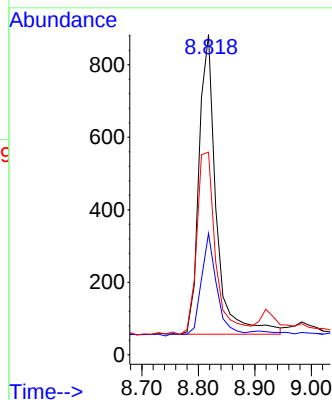
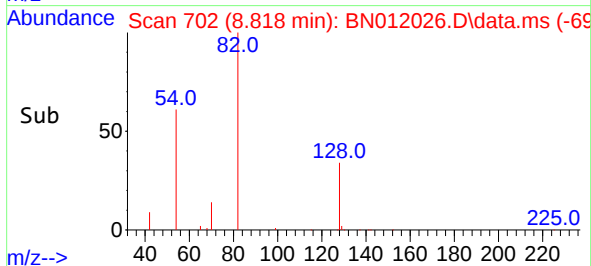




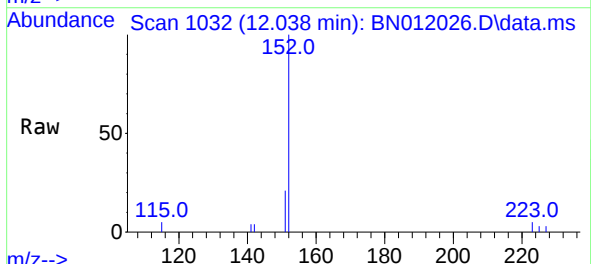
#8
Nitrobenzene-d5
Concen: 0.28 ng
RT: 8.818 min Scan# 702
Delta R.T. 0.000 min
Lab File: BN012026.D
Acq: 29 Sep 2020 18:37



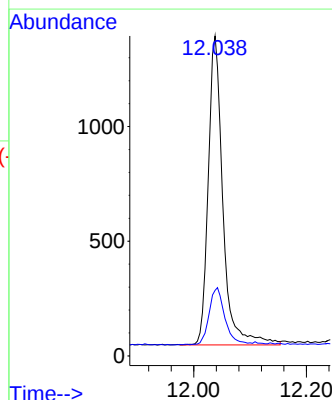
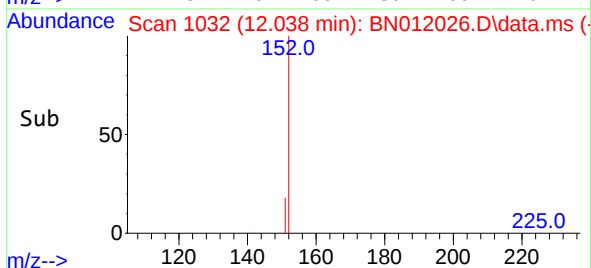
Tgt Ion: 82 Resp: 1757
Ion Ratio Lower Upper
82 100
128 37.9 34.2 51.2
54 63.3 43.1 64.7



#11
2-Methylnaphthalene-d10
Concen: 0.25 ng
RT: 12.038 min Scan# 1032
Delta R.T. 0.000 min
Lab File: BN012026.D
Acq: 29 Sep 2020 18:37



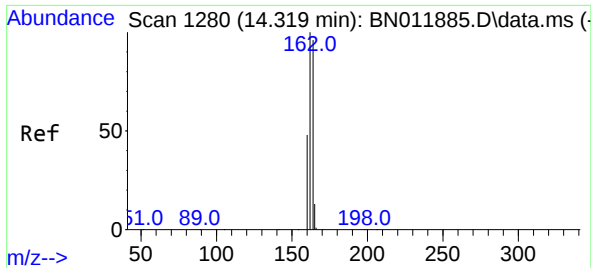
Tgt Ion: 152 Resp: 2436
Ion Ratio Lower Upper
152 100
151 19.7 16.7 25.1



Instrument :
BNA_N
ClientSampleId :
PB131967BL

Manual Integrations
APPROVED

mohammad
10/1/2020 1:31:11 PM



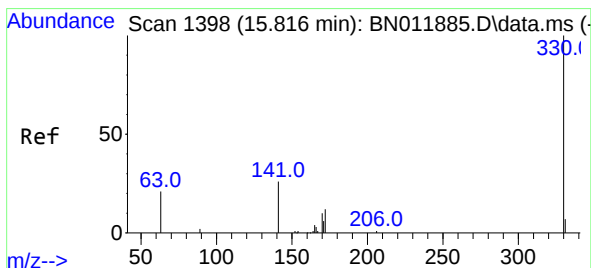
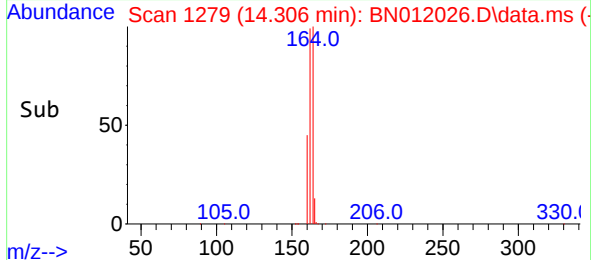
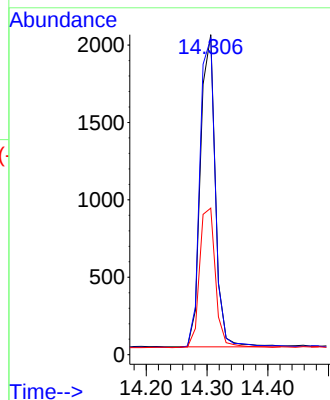
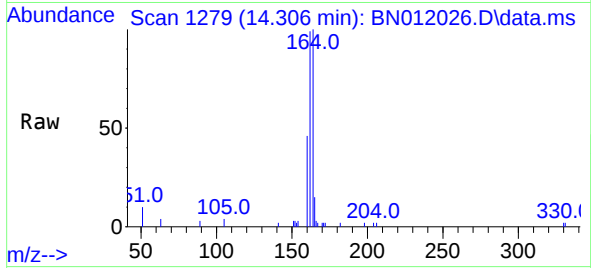
#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.306 min Scan# 1279
Delta R.T. 0.000 min
Lab File: BN012026.D
Acq: 29 Sep 2020 18:37

Tgt Ion:	164	Resp:	3434
Ion Ratio	Lower	Upper	
164	100		
162	98.8	83.6	125.4
160	45.8	41.2	61.8

Instrument :
BNA_N
ClientSampleId :
PB131967BL

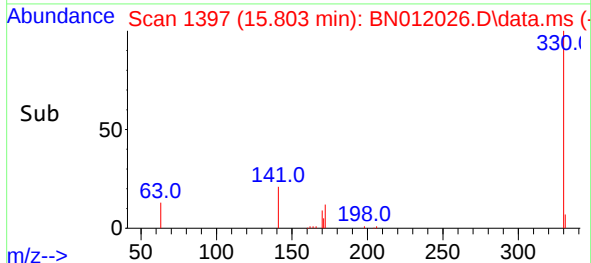
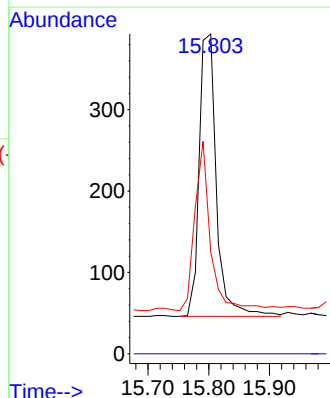
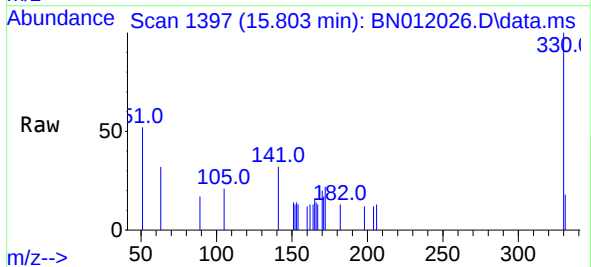
Manual Integrations
APPROVED

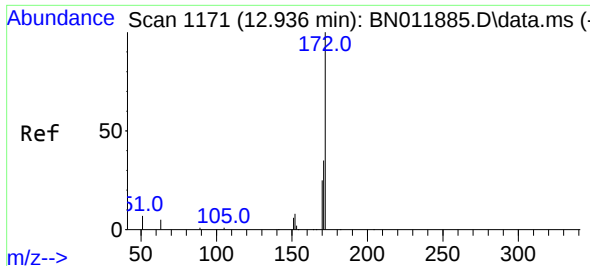
mohammad
10/1/2020 1:31:11 PM



#14
2,4,6-Tribromophenol
Concen: 0.41 ng
RT: 15.803 min Scan# 1397
Delta R.T. 0.013 min
Lab File: BN012026.D
Acq: 29 Sep 2020 18:37

Tgt Ion:	330	Resp:	684
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	53.9	33.7	50.5





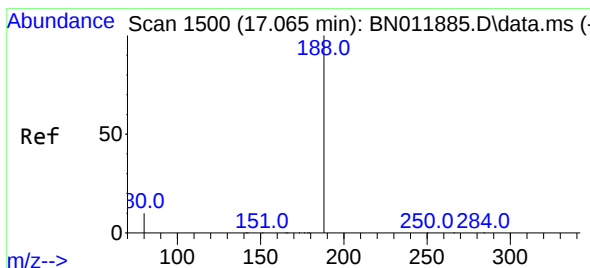
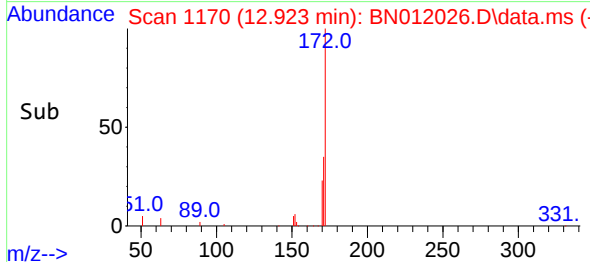
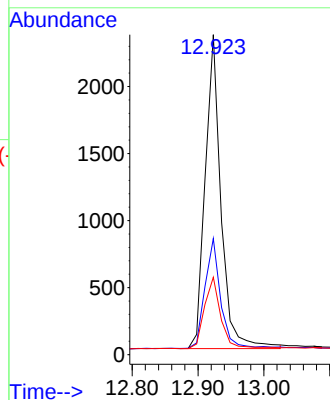
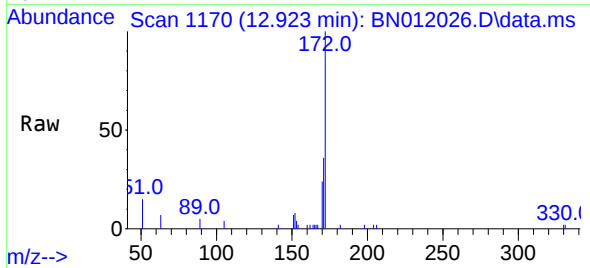
#15
2-Fluorobiphenyl
Concen: 0.30 ng
RT: 12.923 min Scan# 1170
Delta R.T. 0.000 min
Lab File: BN012026.D
Acq: 29 Sep 2020 18:37

Tgt Ion:	172	Resp:	3917
Ion	Ratio	Lower	Upper
172	100		
171	36.3	27.4	41.2
170	24.2	17.8	26.6

Instrument :
BNA_N
ClientSampleId :
PB131967BL

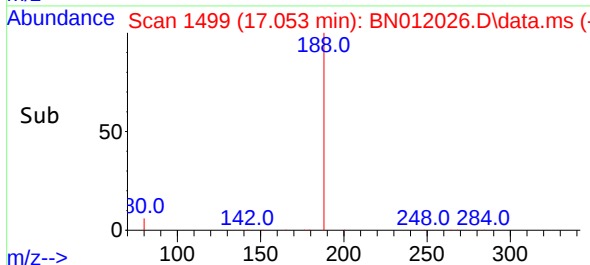
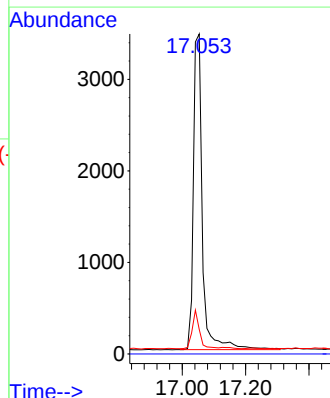
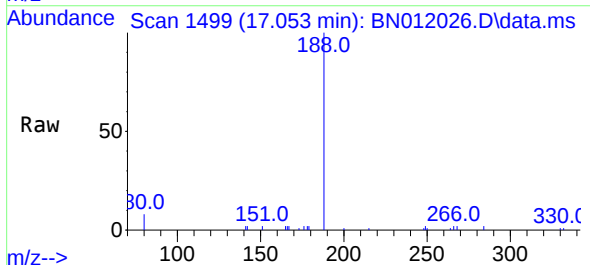
Manual Integrations
APPROVED

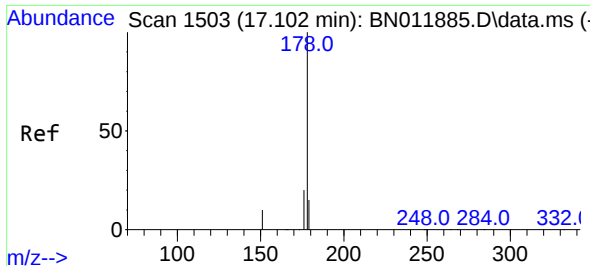
mohammad
10/1/2020 1:31:11 PM



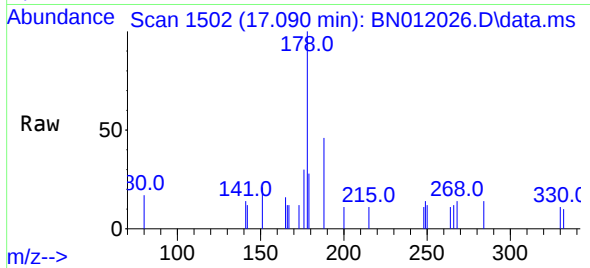
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.053 min Scan# 1499
Delta R.T. 0.000 min
Lab File: BN012026.D
Acq: 29 Sep 2020 18:37

Tgt Ion:	188	Resp:	6806
Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.7	7.7	11.5



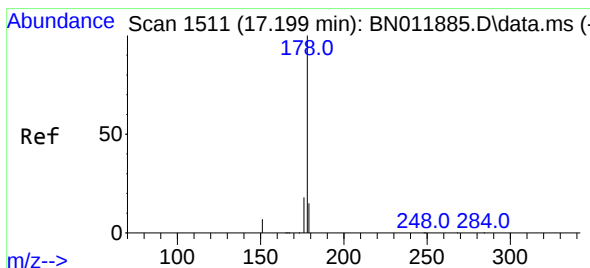
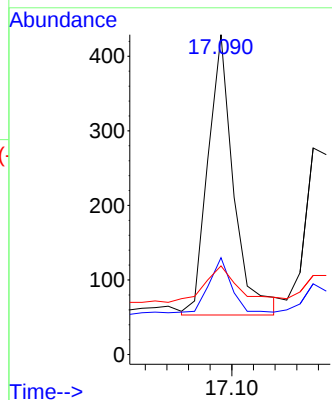
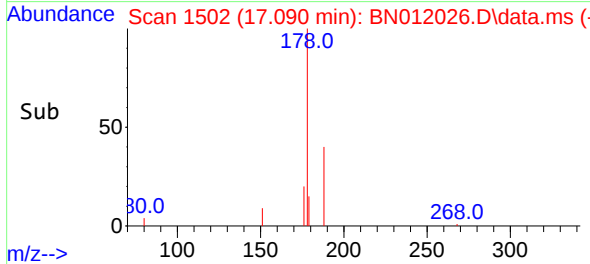


#25
Phenanthrene
Concen: 0.03 ng m
RT: 17.090 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BN012026.D
Acq: 29 Sep 2020 18:37

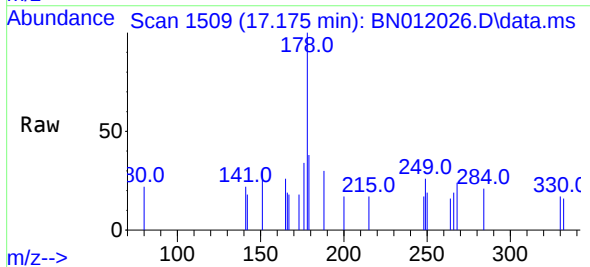


Tgt Ion:178 Resp: 621

Ion	Ratio	Lower	Upper
178	100		
176	13.4	15.1	22.7#
179	10.3	12.3	18.5#

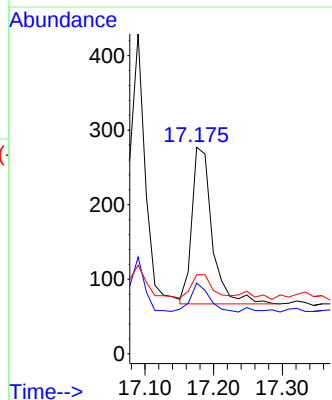
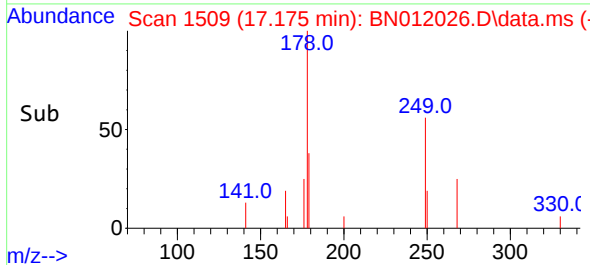


#26
Anthracene
Concen: 0.02 ng
RT: 17.175 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BN012026.D
Acq: 29 Sep 2020 18:37



Tgt Ion:178 Resp: 432

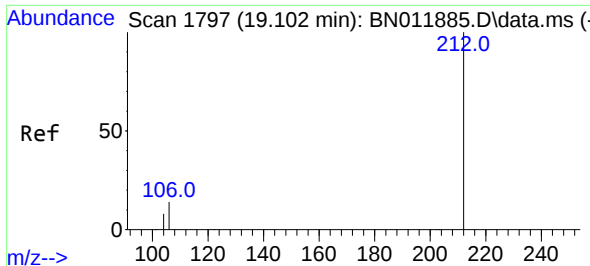
Ion	Ratio	Lower	Upper
178	100		
176	17.1	14.6	21.8
179	15.3	12.4	18.6



Instrument :
BNA_N
ClientSampleId :
PB131967BL

Manual Integrations
APPROVED

mohammad
10/1/2020 1:31:11 PM



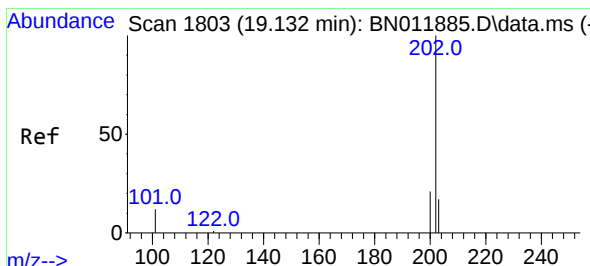
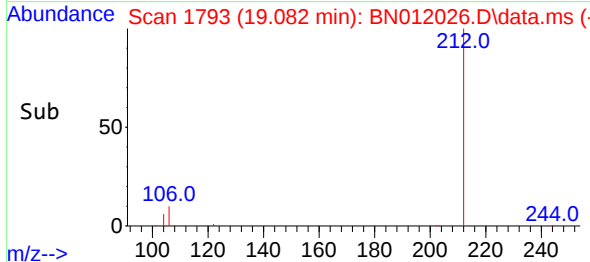
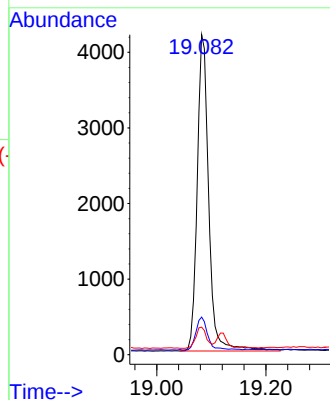
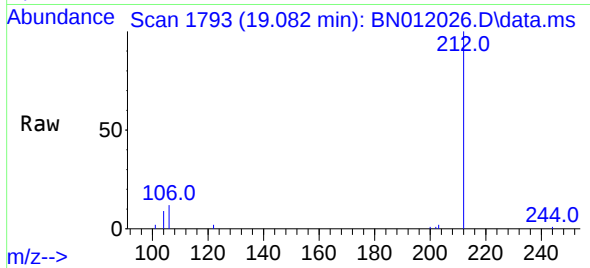
#27
Fluoranthene-d10
Concen: 0.31 ng
RT: 19.082 min Scan# 1793
Delta R.T. -0.005 min
Lab File: BN012026.D
Acq: 29 Sep 2020 18:37

Tgt Ion	Ratio	Lower	Upper
212	100		
106	10.5	6.4	9.6#
104	6.4	3.9	5.9#

Instrument :
BNA_N
ClientSampleId :
PB131967BL

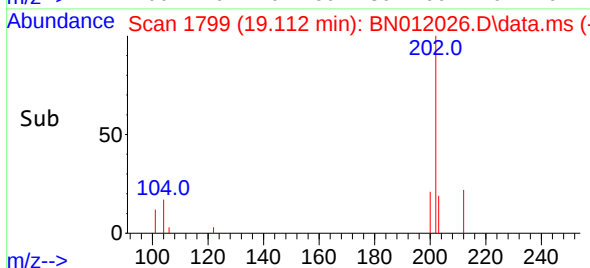
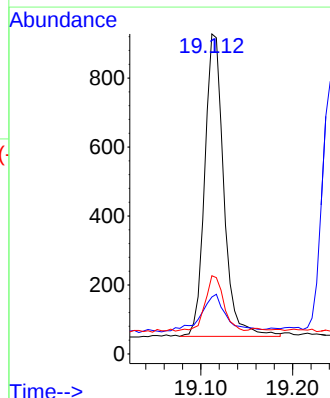
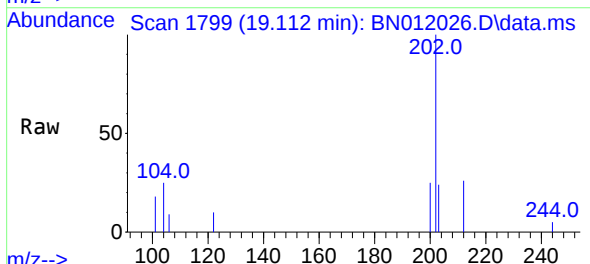
Manual Integrations
APPROVED

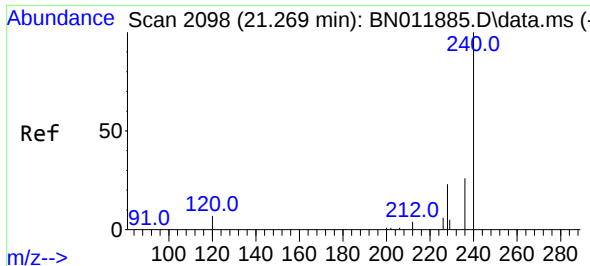
mohammad
10/1/2020 1:31:11 PM



#28
Fluoranthene
Concen: 0.05 ng
RT: 19.112 min Scan# 1799
Delta R.T. -0.005 min
Lab File: BN012026.D
Acq: 29 Sep 2020 18:37

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.7	5.4	8.2#
203	18.3	13.8	20.6





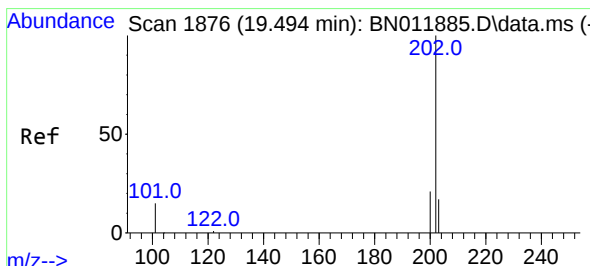
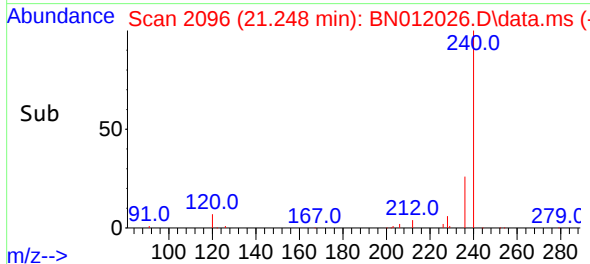
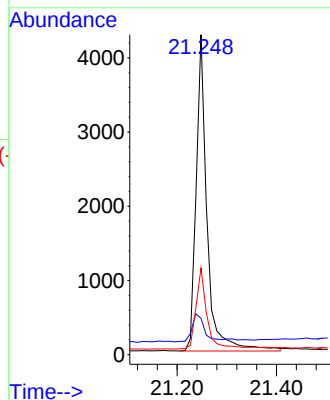
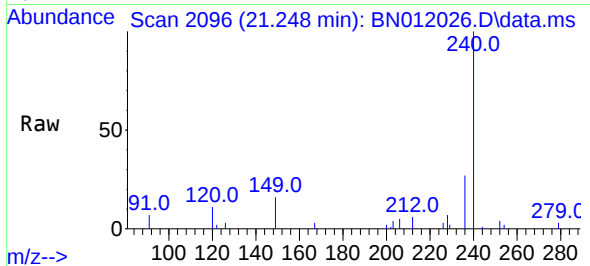
#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.248 min Scan# 2096
Delta R.T. 0.000 min
Lab File: BN012026.D
Acq: 29 Sep 2020 18:37

Tgt Ion:240 Resp: 6477
Ion Ratio Lower Upper
240 100
120 11.3 3.5 5.3#
236 27.1 20.5 30.7

Instrument :
BNA_N
ClientSampleId :
PB131967BL

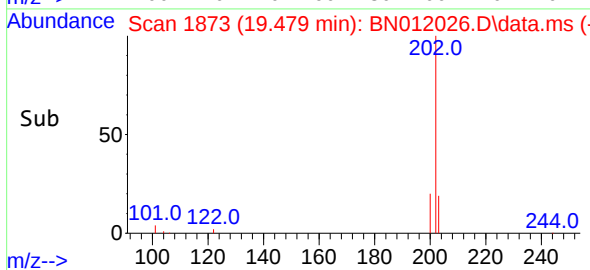
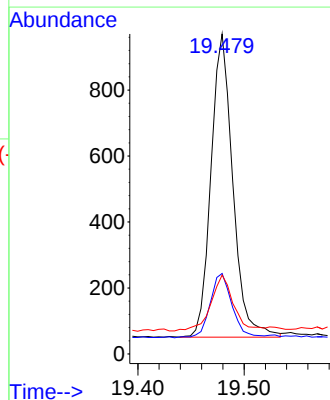
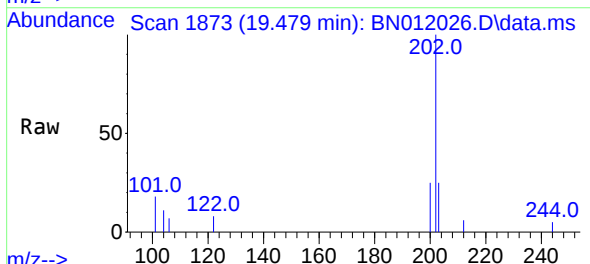
Manual Integrations
APPROVED

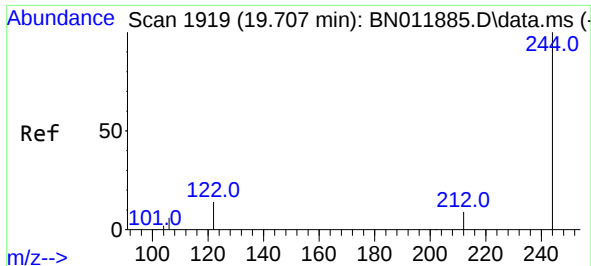
mohammad
10/1/2020 1:31:11 PM



#30
Pyrene
Concen: 0.05 ng
RT: 19.479 min Scan# 1873
Delta R.T. 0.000 min
Lab File: BN012026.D
Acq: 29 Sep 2020 18:37

Tgt Ion:202 Resp: 1311
Ion Ratio Lower Upper
202 100
200 21.4 16.5 24.7
203 19.0 13.9 20.9





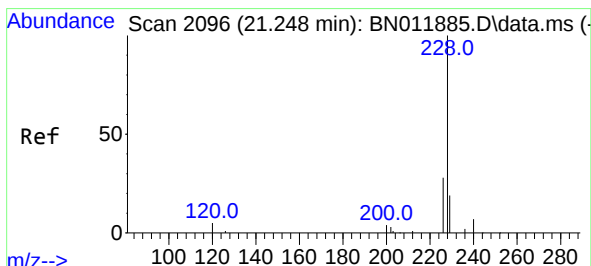
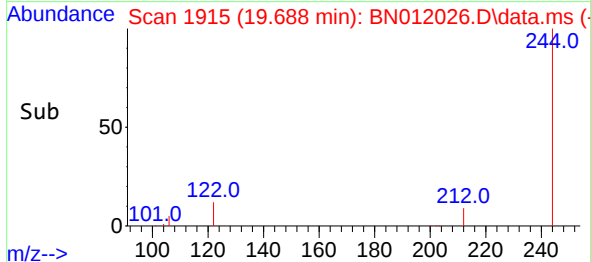
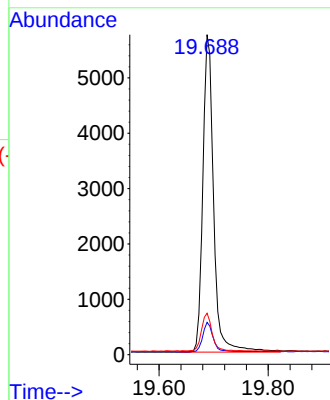
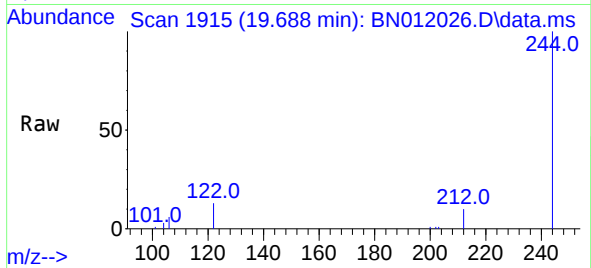
#31
Terphenyl-d14
Concen: 0.53 ng
RT: 19.688 min Scan# 1915
Delta R.T. -0.005 min
Lab File: BN012026.D
Acq: 29 Sep 2020 18:37

Tgt Ion:	244	Resp:	7914
Ion	Ratio	Lower	Upper
244	100		
212	10.1	7.3	10.9
122	12.9	7.8	11.6#

Instrument :
BNA_N
ClientSampleId :
PB131967BL

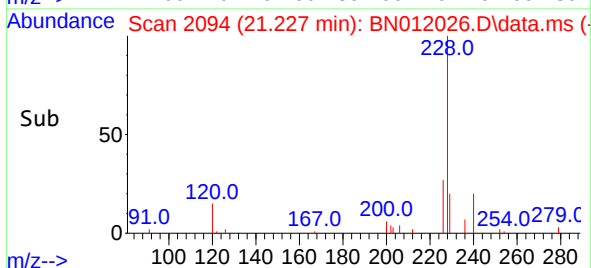
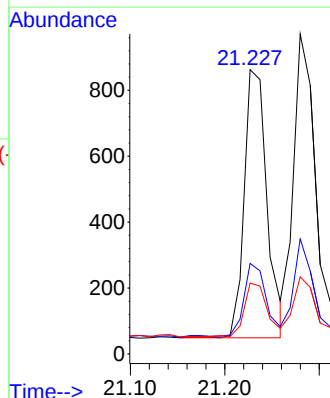
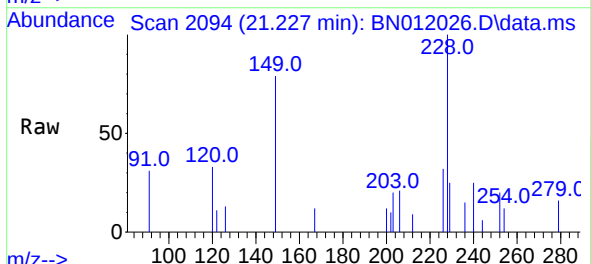
Manual Integrations
APPROVED

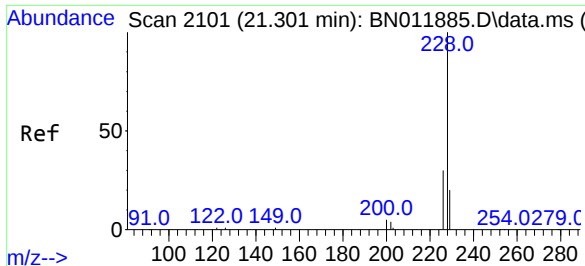
mohammad
10/1/2020 1:31:11 PM



#32
Benzo(a)anthracene
Concen: 0.07 ng
RT: 21.227 min Scan# 2094
Delta R.T. -0.010 min
Lab File: BN012026.D
Acq: 29 Sep 2020 18:37

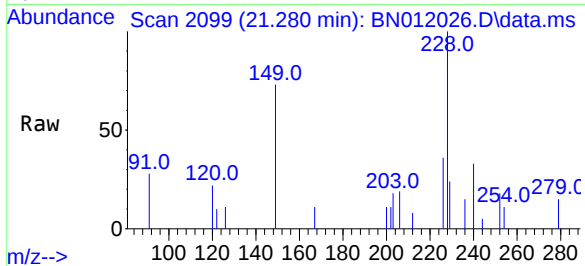
Tgt Ion:	228	Resp:	1366
Ion	Ratio	Lower	Upper
228	100		
226	31.9	21.0	31.4#
229	24.9	16.0	24.0#





#33
Chrysene
Concen: 0.07 ng
RT: 21.280 min Scan# 2099
Delta R.T. 0.000 min
Lab File: BN012026.D
Acq: 29 Sep 2020 18:37

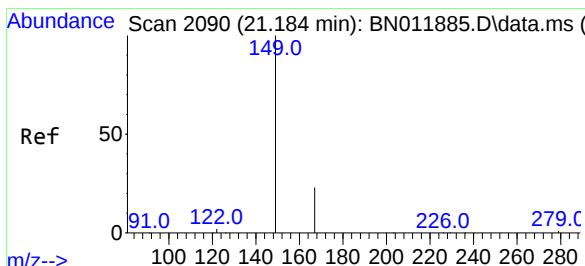
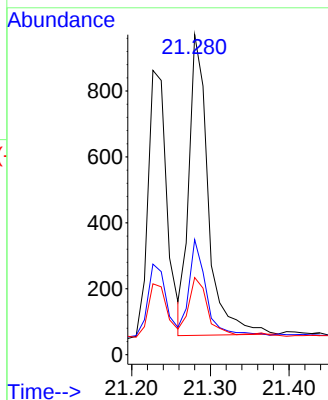
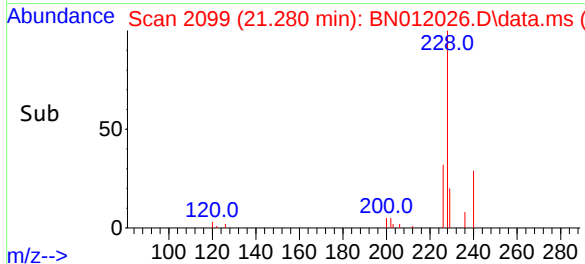
Instrument :
BNA_N
ClientSampleId :
PB131967BL



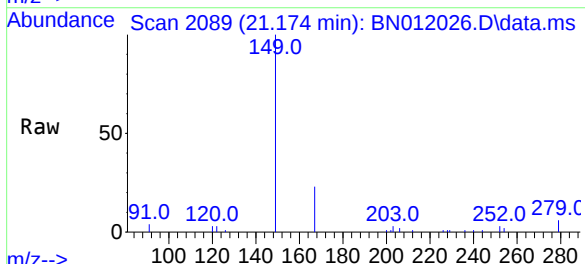
Tgt Ion:228 Resp: 1551
Ion Ratio Lower Upper
228 100
226 35.9 23.3 34.9#
229 24.1 15.8 23.8#

Manual Integrations
APPROVED

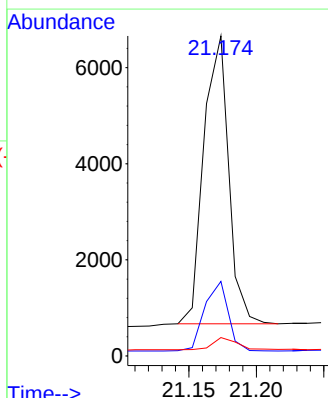
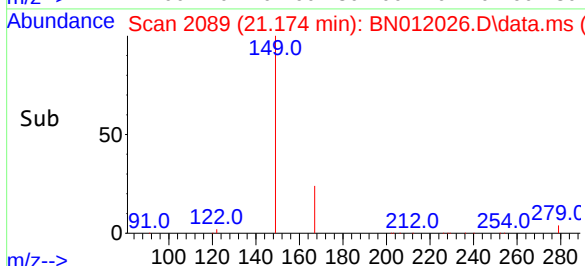
mohammad
10/1/2020 1:31:11 PM

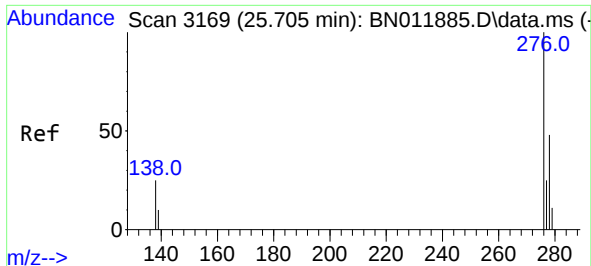


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.52 ng
RT: 21.174 min Scan# 2089
Delta R.T. 0.000 min
Lab File: BN012026.D
Acq: 29 Sep 2020 18:37



Tgt Ion:149 Resp: 7692
Ion Ratio Lower Upper
149 100
167 22.8 23.6 35.4#
279 4.0 4.0 6.0#





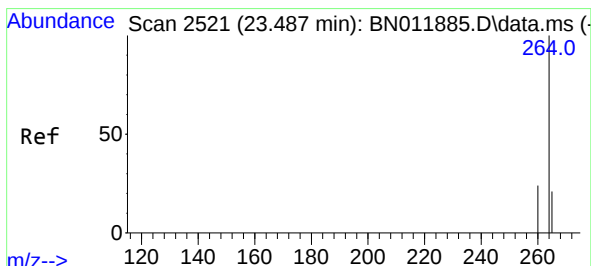
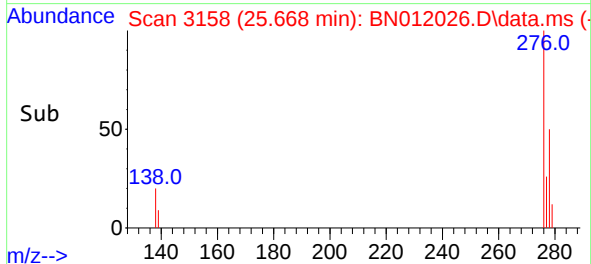
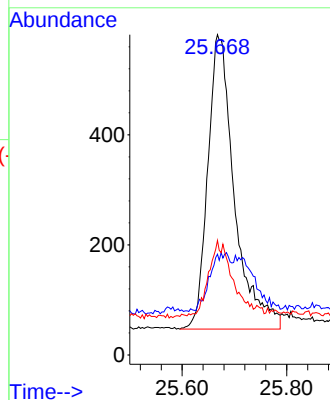
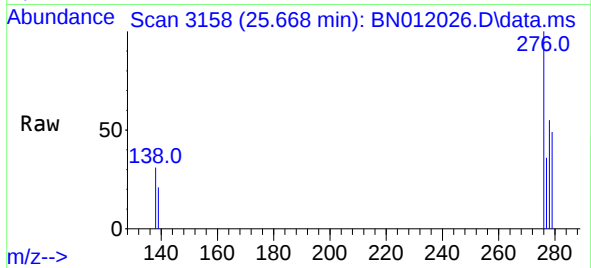
#35
Indeno(1,2,3-cd)pyrene
Concen: 0.07 ng
RT: 25.668 min Scan# 3158
Delta R.T. 0.000 min
Lab File: BN012026.D
Acq: 29 Sep 2020 18:37

Tgt Ion: 276 Resp: 1896
Ion Ratio Lower Upper
276 100
138 7.6 13.0 19.4#
277 11.7 20.0 30.0#

Instrument :
BNA_N
ClientSampleId :
PB131967BL

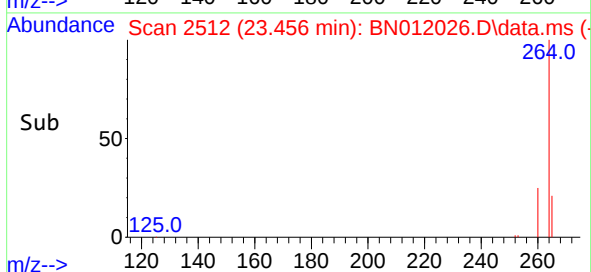
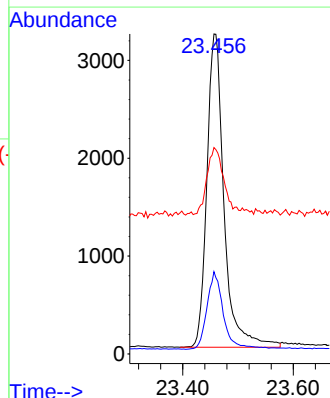
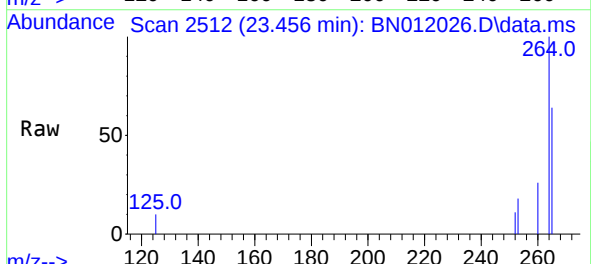
Manual Integrations
APPROVED

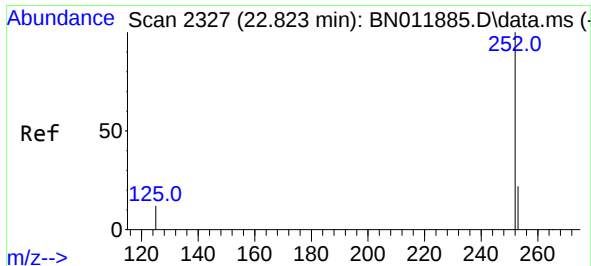
mohammad
10/1/2020 1:31:11 PM



#36
Perylene-d12
Concen: 0.40 ng
RT: 23.456 min Scan# 2512
Delta R.T. -0.003 min
Lab File: BN012026.D
Acq: 29 Sep 2020 18:37

Tgt Ion: 264 Resp: 6882
Ion Ratio Lower Upper
264 100
260 25.7 19.6 29.4
265 64.5 38.6 58.0#





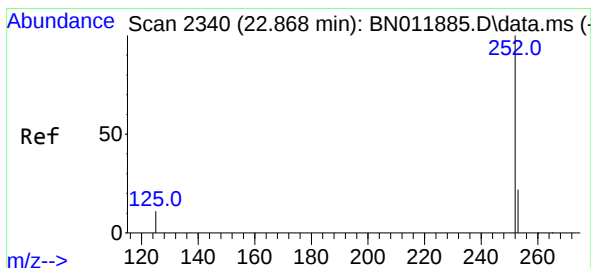
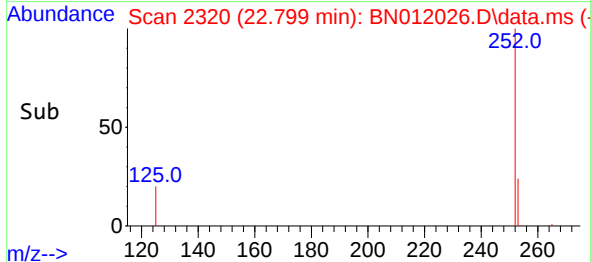
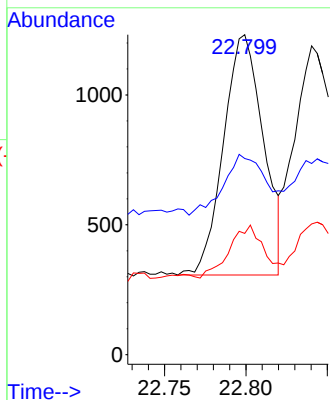
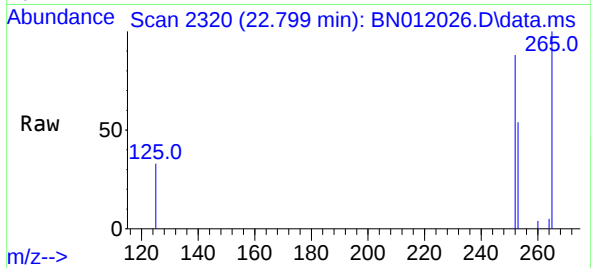
#37
Benzo(b)fluoranthene
Concen: 0.07 ng
RT: 22.799 min Scan# 2320
Delta R.T. 0.000 min
Lab File: BN012026.D
Acq: 29 Sep 2020 18:37

Tgt Ion:252 Resp: 1579
Ion Ratio Lower Upper
252 100
253 61.3 19.1 28.7#
125 37.9 6.2 9.2#

Instrument :
BNA_N
ClientSampleId :
PB131967BL

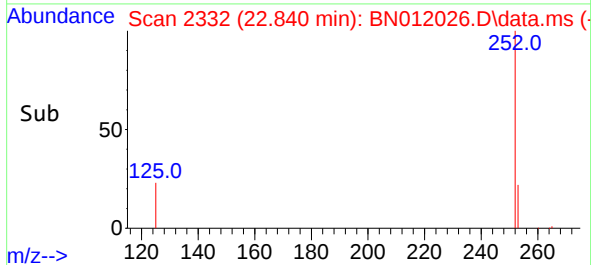
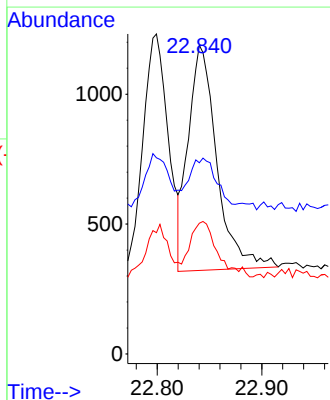
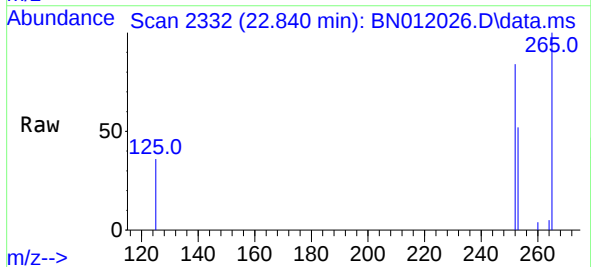
Manual Integrations
APPROVED

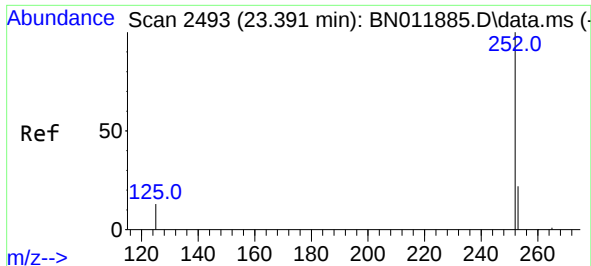
mohammad
10/1/2020 1:31:11 PM



#38
Benzo(k)fluoranthene
Concen: 0.06 ng
RT: 22.840 min Scan# 2332
Delta R.T. 0.000 min
Lab File: BN012026.D
Acq: 29 Sep 2020 18:37

Tgt Ion:252 Resp: 1655
Ion Ratio Lower Upper
252 100
253 61.9 19.3 28.9#
125 42.3 6.0 9.0#





#39

Benzo(a)pyrene

Concen: 0.06 ng

RT: 23.361 min Scan# 2484

Delta R.T. -0.003 min

Lab File: BN012026.D

Acq: 29 Sep 2020 18:37

Tgt Ion:	252	Resp:	1345
Ion	Ratio	Lower	Upper
252	100		
253	77.8	19.8	29.6#
125	49.4	7.3	10.9#

Instrument :

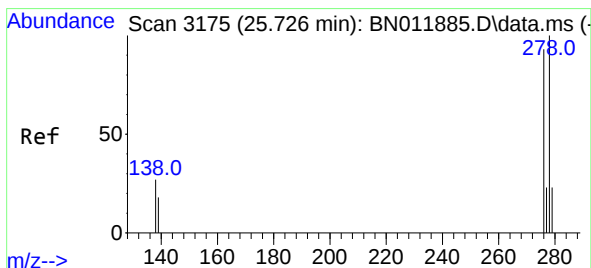
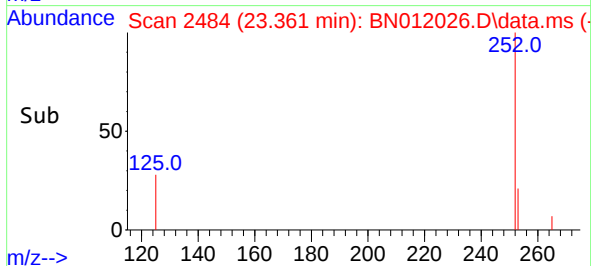
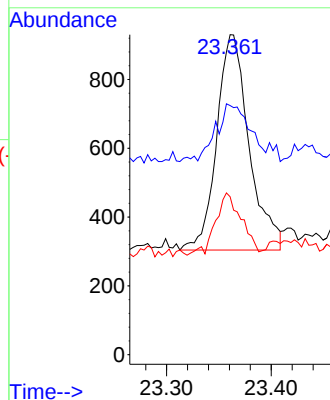
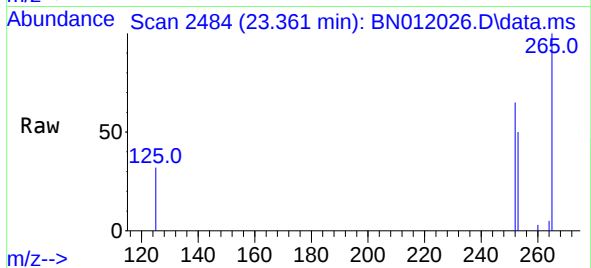
BNA_N

ClientSampleId :

PB131967BL

Manual Integrations
APPROVED

mohammad
10/1/2020 1:31:11 PM



#40

Dibenzo(a,h)anthracene

Concen: 0.07 ng

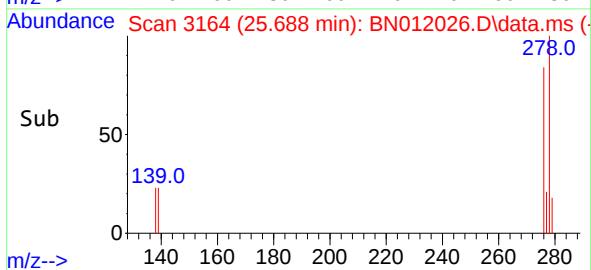
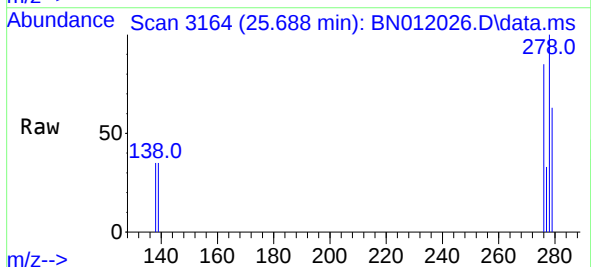
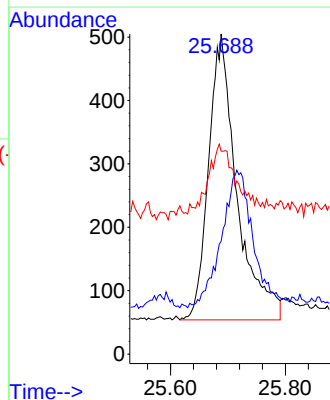
RT: 25.688 min Scan# 3164

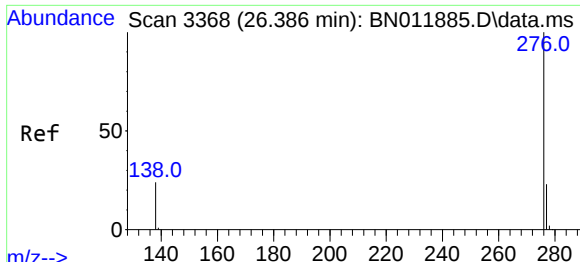
Delta R.T. 0.004 min

Lab File: BN012026.D

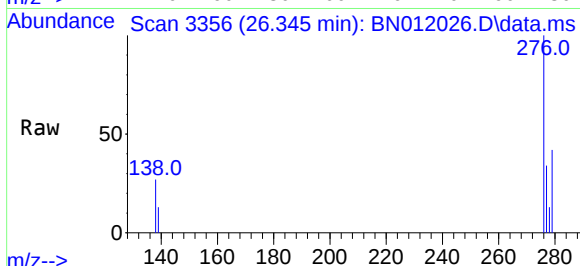
Acq: 29 Sep 2020 18:37

Tgt Ion:	278	Resp:	1538
Ion	Ratio	Lower	Upper
278	100		
139	35.2	8.6	13.0#
279	63.4	19.8	29.8#

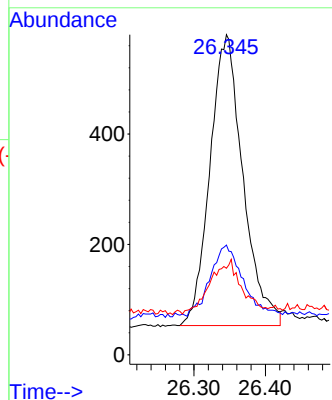
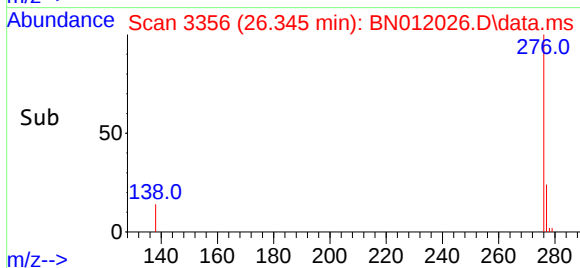




#41
Benzo(g,h,i)perylene
Concen: 0.07 ng
RT: 26.345 min Scan# 3356
Delta R.T. 0.000 min
Lab File: BN012026.D
Acq: 29 Sep 2020 18:37



Tgt Ion: 276 Resp: 1691
Ion Ratio Lower Upper
276 100
277 34.3 19.4 29.0#
138 27.1 11.3 16.9#



Instrument :
BNA_N
ClientSampleId :
PB131967BL

Manual Integrations
APPROVED

mohammad
10/1/2020 1:31:11 PM