

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092921\
 Data File : BN016576.D
 Acq On : 29 Sep 2021 13:43
 Operator : CG/JU
 Sample : M3945-01DL 4X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-815-N-SO-1-1.5-092421DL

Manual Integrations
 APPROVED

mohammad
 9/30/2021 11:30:45 AM

Quant Time: Sep 29 14:12:28 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN092821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 29 10:56:17 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.661	152	31144	0.400	ng	0.00
7) Naphthalene-d8	10.419	136	146950	0.400	ng	# 0.00
13) Acenaphthene-d10	14.282	164	84796	0.400	ng	# 0.00
19) Phenanthrene-d10	17.030	188	179678	0.400	ng	# 0.00
29) Chrysene-d12	21.249	240	195514	0.400	ng	0.00
35) Perylene-d12	23.515	264	183497	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.282	112	7656	0.099	ng	0.00
5) Phenol-d6	6.840	99	7943	0.102	ng	0.00
8) Nitrobenzene-d5	8.797	82	7024	0.090	ng	0.00
11) 2-Methylnaphthalene-d10	12.016	152	18204	0.087	ng	0.00
14) 2,4,6-Tribromophenol	15.779	330	3839	0.104	ng	0.00
15) 2-Fluorobiphenyl	12.899	172	23992	0.069	ng	0.00
27) Fluoranthene-d10	19.078	212	34035	0.070	ng	0.00
31) Terphenyl-d14	19.689	244	31105	0.074	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.470	128	22856	0.058	ng	98
12) 2-Methylnaphthalene	12.092	142	11880	0.048	ng	99
16) Acenaphthylene	14.002	152	73499	0.196	ng	99
17) Acenaphthene	14.345	154	72173	0.283	ng	# 93
18) Fluorene	15.335	166	88797	0.285	ng	98
24) Pentachlorophenol	16.689	266	8154	0.341	ng	99
25) Phenanthrene	17.079	178	1730253	3.201	ng	100
26) Anthracene	17.164	178	530467	1.129	ng	# 96
28) Fluoranthene	19.113	202	3575407	6.051	ng	# 97
30) Pyrene	19.475	202	3043576	4.566	ng	# 93
32) Benzo(a)anthracene	21.228	228	2136759	3.526	ng	# 88
33) Chrysene	21.281	228	3511105	5.681	ng	# 92
34) Bis(2-ethylhexyl)phtha...	21.185	149	513700	2.847	ng	100
36) Indeno(1,2,3-cd)pyrene	25.809	276	782027	1.337	ng	99
37) Benzo(b)fluoranthene	22.841	252	2974012	4.854	ng	# 96
38) Benzo(k)fluoranthene	22.879	252	852105m	1.427	ng	
39) Benzo(a)pyrene	23.416	252	1649426	2.935	ng	94
40) Dibenzo(a,h)anthracene	25.812	278	285989	0.703	ng	# 69
41) Benzo(g,h,i)perylene	26.514	276	774890	1.456	ng	95

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

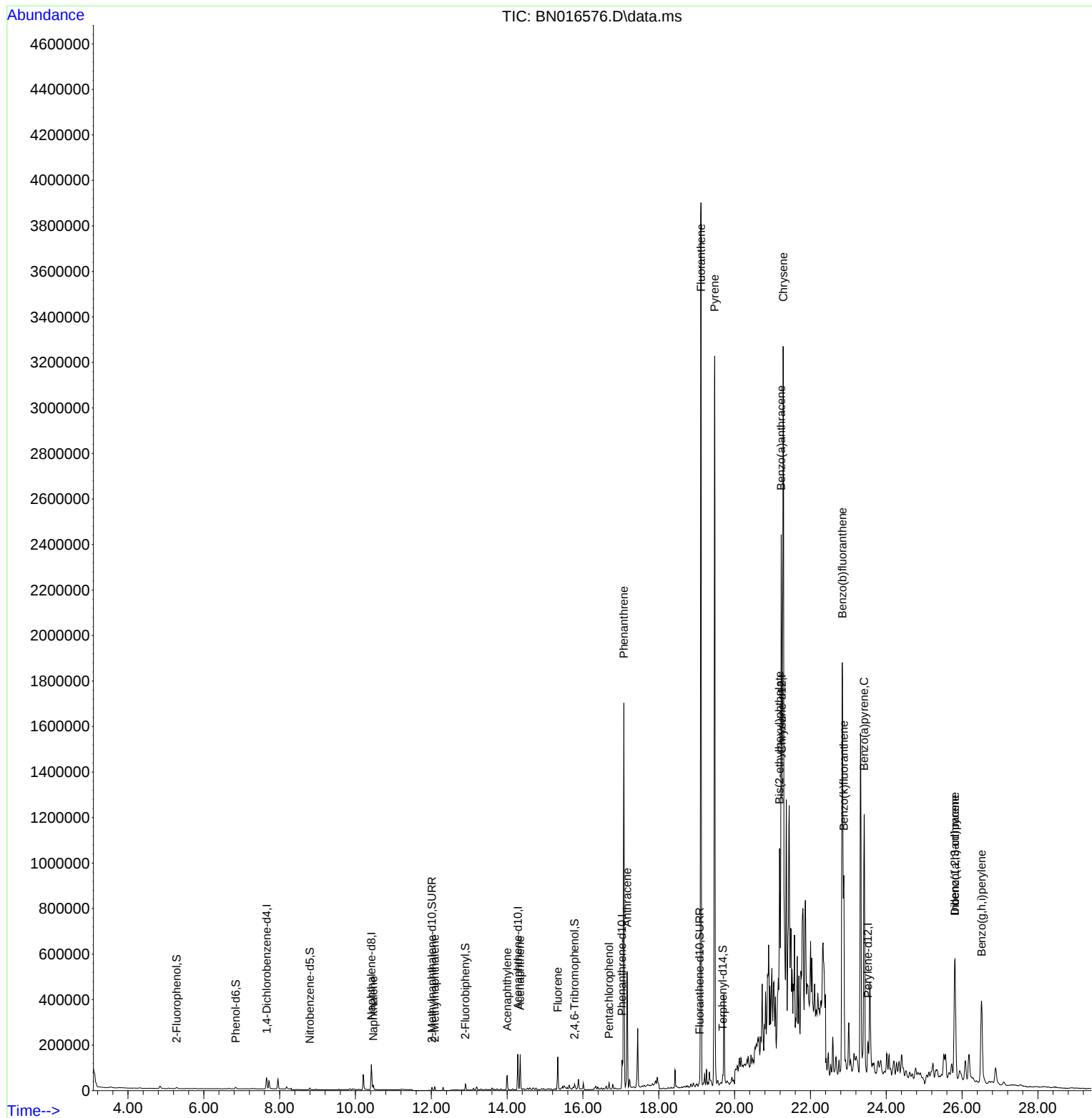
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092921\
Data File : BN016576.D
Acq On : 29 Sep 2021 13:43
Operator : CG/JU
Sample : M3945-01DL 4X
Misc :
ALS Vial : 7 Sample Multiplier: 1

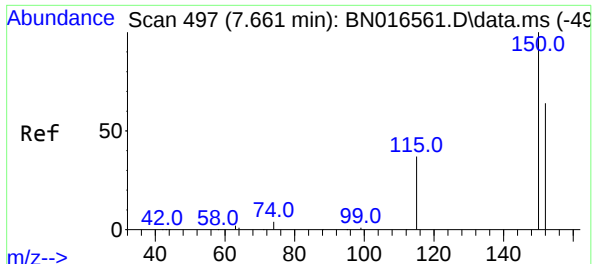
Instrument :
BNA_N
ClientSampleId :
S-815-N-SO-1-1.5-092421DL

Manual Integrations
APPROVED

mohammad
9/30/2021 11:30:45 AM

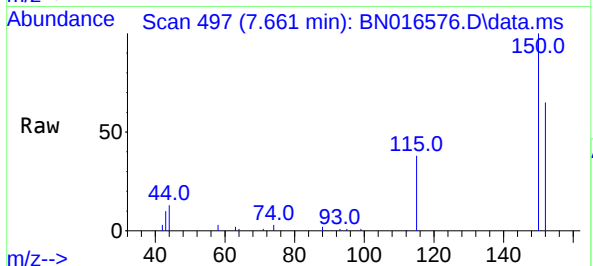
Quant Time: Sep 29 14:12:28 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN092821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 29 10:56:17 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.661 min Scan# 497
Delta R.T. 0.009 min
Lab File: BN016576.D
Acq: 29 Sep 2021 13:43

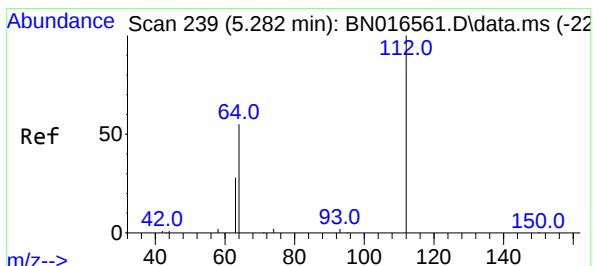
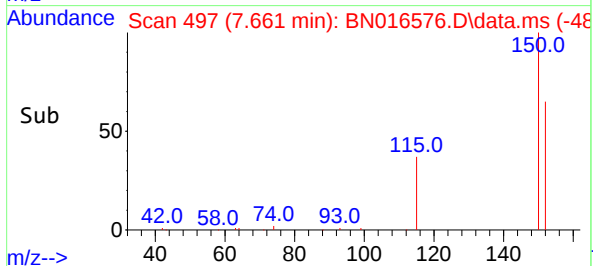
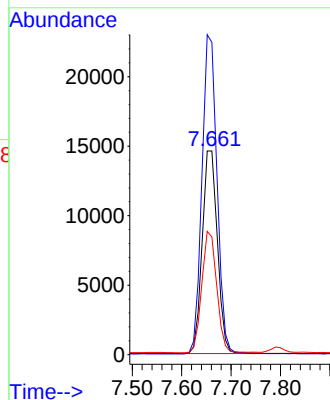
Instrument :
BNA_N
ClientSampleId :
S-815-N-SO-1-1.5-092421DL



Tgt Ion:152 Resp: 31144
Ion Ratio Lower Upper
152 100
150 153.4 125.1 187.7
115 57.8 45.8 68.8

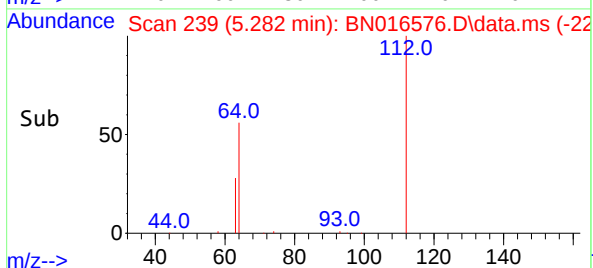
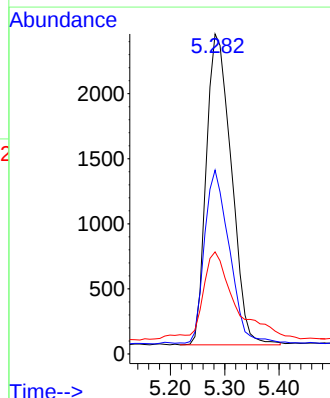
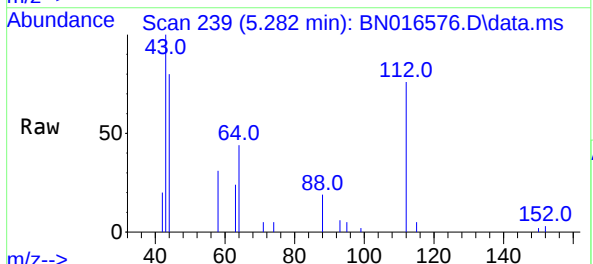
Manual Integrations
APPROVED

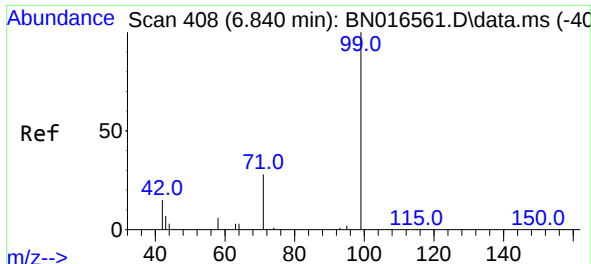
mohammad
9/30/2021 11:30:45 AM



#4
2-Fluorophenol
Concen: 0.099 ng
RT: 5.282 min Scan# 239
Delta R.T. 0.000 min
Lab File: BN016576.D
Acq: 29 Sep 2021 13:43

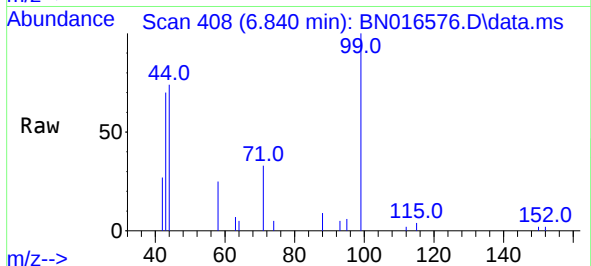
Tgt Ion:112 Resp: 7656
Ion Ratio Lower Upper
112 100
64 55.2 48.4 72.6
63 30.6 25.4 38.2





#5
Phenol-d6
Concen: 0.102 ng
RT: 6.840 min Scan# 408
Delta R.T. 0.009 min
Lab File: BN016576.D
Acq: 29 Sep 2021 13:43

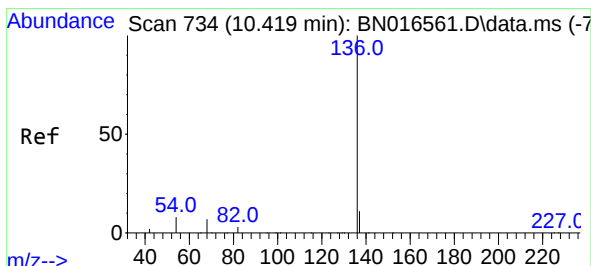
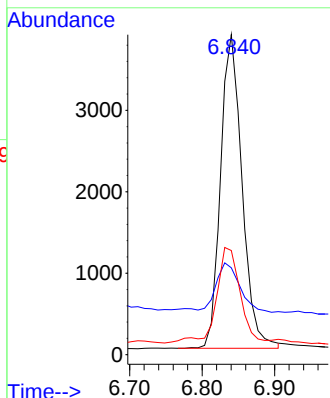
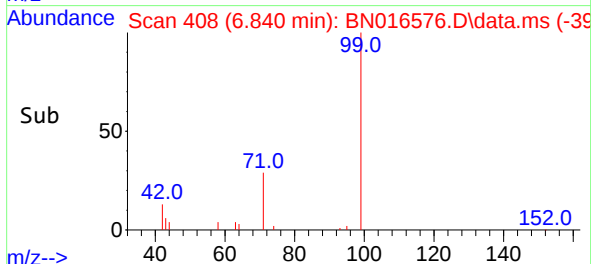
Instrument :
BNA_N
ClientSampleId :
S-815-N-SO-1-1.5-092421DL



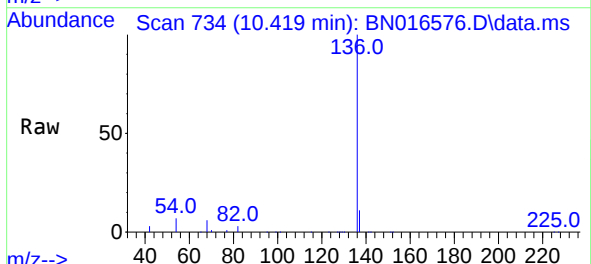
Tgt Ion: 99 Resp: 7943
Ion Ratio Lower Upper
99 100
42 17.4 19.6 29.4#
71 32.1 24.2 36.2

Manual Integrations
APPROVED

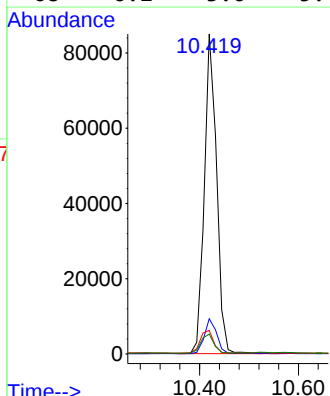
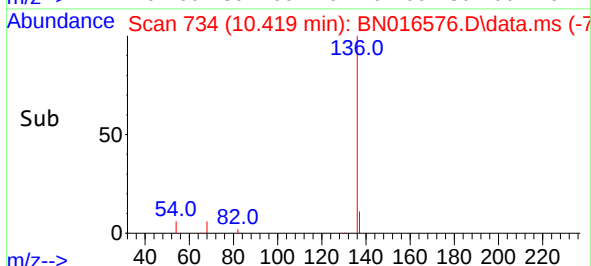
mohammad
9/30/2021 11:30:45 AM

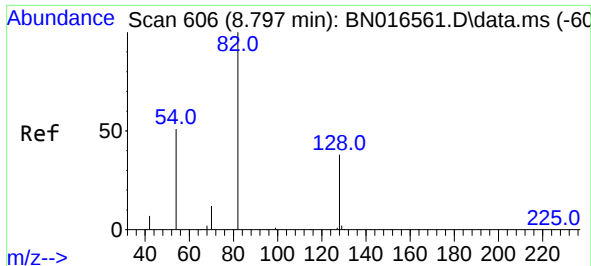


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.419 min Scan# 734
Delta R.T. 0.000 min
Lab File: BN016576.D
Acq: 29 Sep 2021 13:43



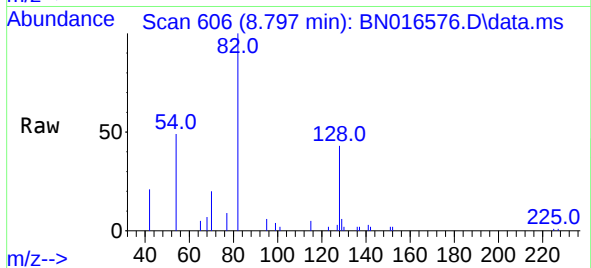
Tgt Ion: 136 Resp: 146950
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.3 5.8 8.6
68 6.2 3.6 5.4#





#8
Nitrobenzene-d5
Concen: 0.090 ng
RT: 8.797 min Scan# 606
Delta R.T. 0.000 min
Lab File: BN016576.D
Acq: 29 Sep 2021 13:43

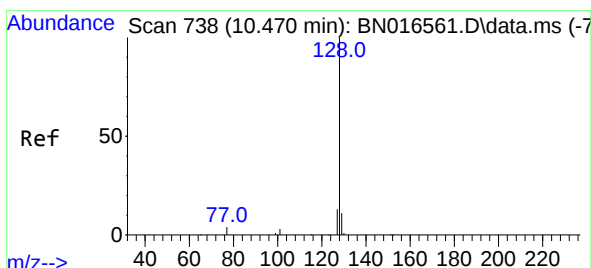
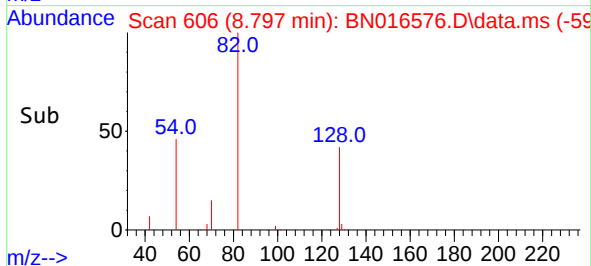
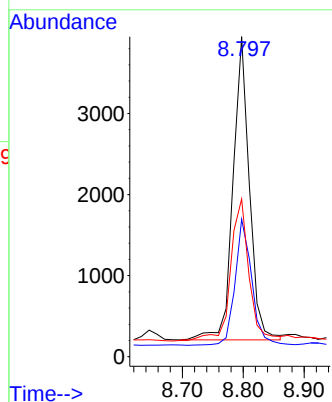
Instrument :
BNA_N
ClientSampleId :
S-815-N-SO-1-1.5-092421DL



Tgt Ion: 82 Resp: 7024
Ion Ratio Lower Upper
82 100
128 43.0 27.4 41.2#
54 49.3 58.5 87.7#

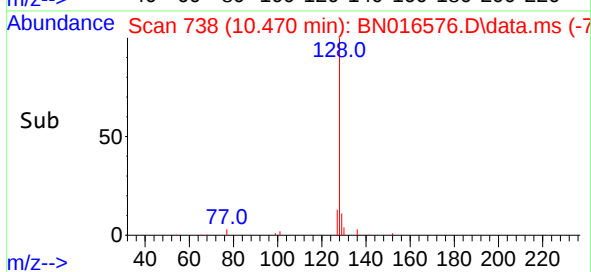
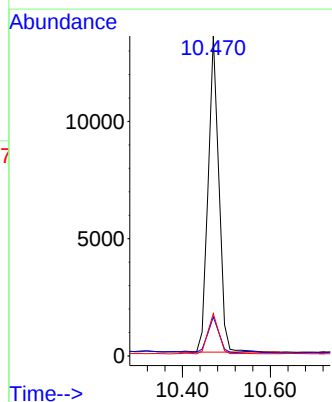
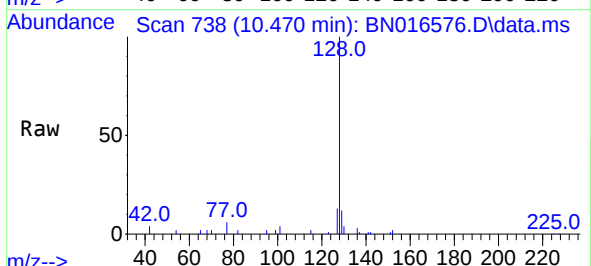
Manual Integrations
APPROVED

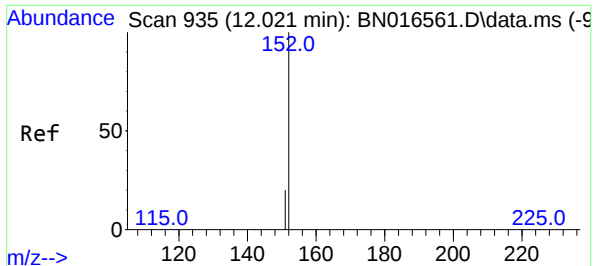
mohammad
9/30/2021 11:30:45 AM



#9
Naphthalene
Concen: 0.058 ng
RT: 10.470 min Scan# 738
Delta R.T. 0.000 min
Lab File: BN016576.D
Acq: 29 Sep 2021 13:43

Tgt Ion: 128 Resp: 22856
Ion Ratio Lower Upper
128 100
129 12.2 8.9 13.3
127 13.3 10.1 15.1





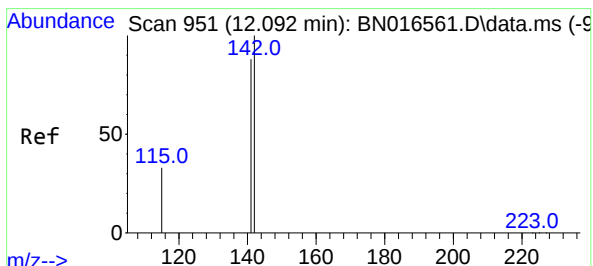
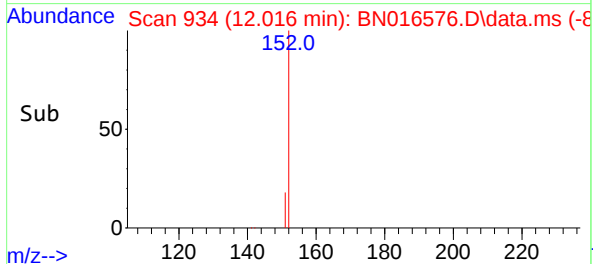
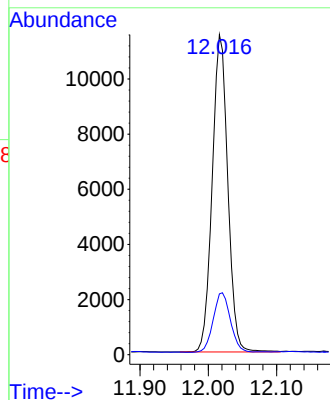
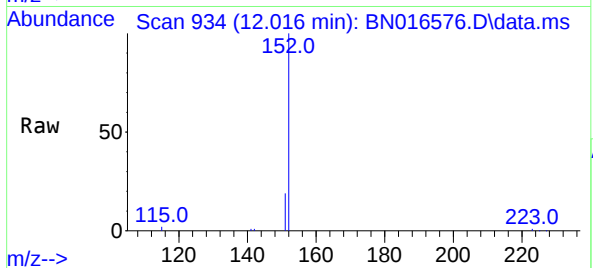
#11
2-Methylnaphthalene-d10
Concen: 0.087 ng
RT: 12.016 min Scan# 934
Delta R.T. 0.000 min
Lab File: BN016576.D
Acq: 29 Sep 2021 13:43

Tgt Ion:152 Resp: 18204
Ion Ratio Lower Upper
152 100
151 20.8 16.6 25.0

Instrument :
BNA_N
ClientSampleId :
S-815-N-SO-1-1.5-092421DL

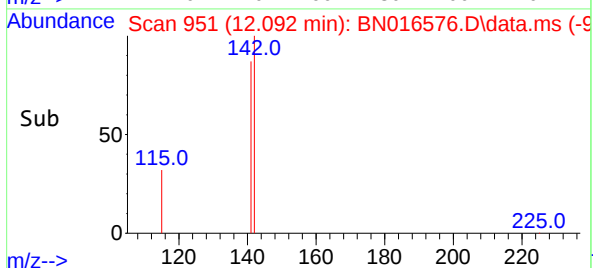
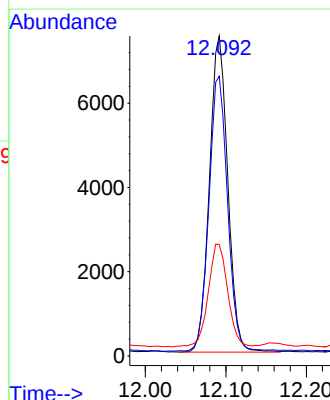
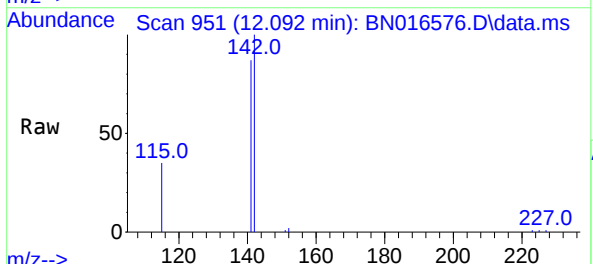
Manual Integrations
APPROVED

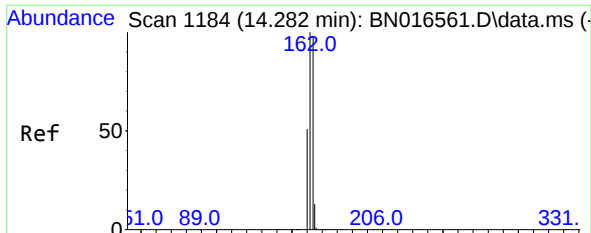
mohammad
9/30/2021 11:30:45 AM



#12
2-Methylnaphthalene
Concen: 0.048 ng
RT: 12.092 min Scan# 951
Delta R.T. 0.000 min
Lab File: BN016576.D
Acq: 29 Sep 2021 13:43

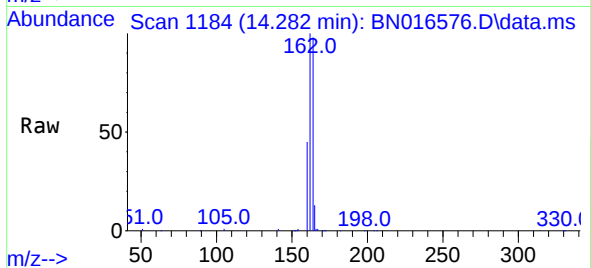
Tgt Ion:142 Resp: 11880
Ion Ratio Lower Upper
142 100
141 87.4 69.9 104.9
115 34.9 27.0 40.4





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.282 min Scan# 1184
Delta R.T. 0.000 min
Lab File: BN016576.D
Acq: 29 Sep 2021 13:43

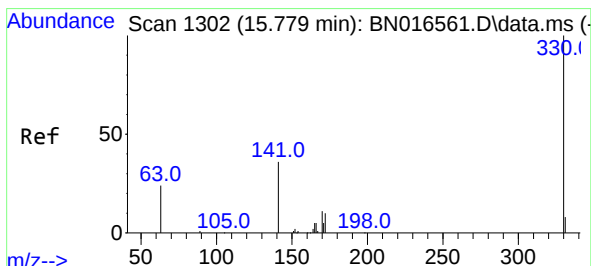
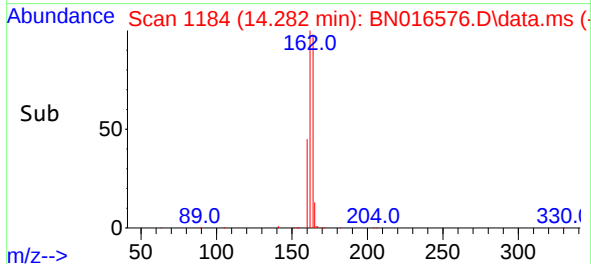
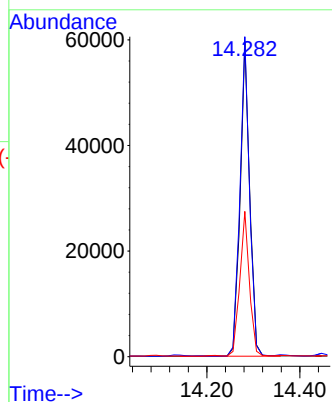
Instrument :
BNA_N
ClientSampleId :
S-815-N-SO-1-1.5-092421DL



Tgt Ion:164 Resp: 84796
Ion Ratio Lower Upper
164 100
162 102.0 79.4 119.0
160 46.3 46.6 70.0#

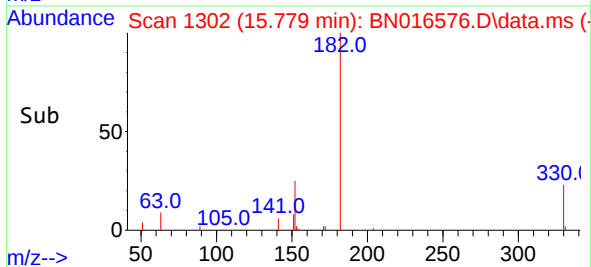
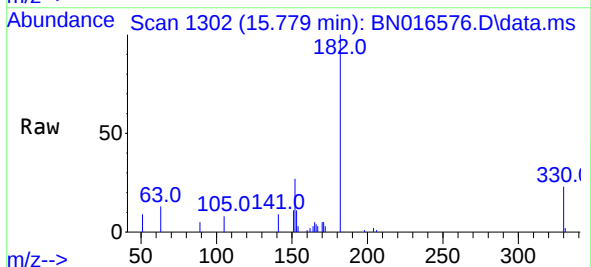
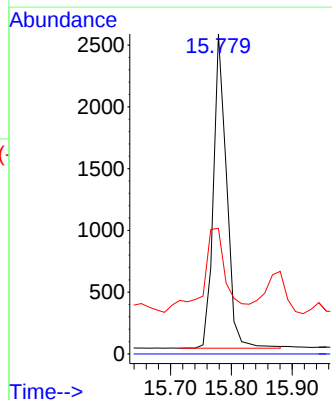
Manual Integrations
APPROVED

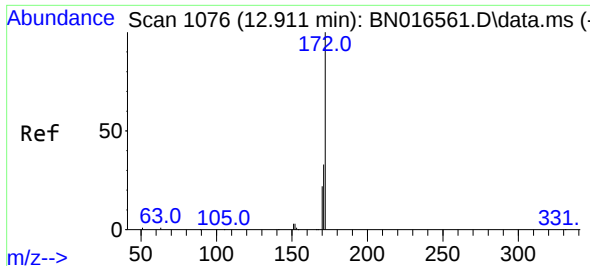
mohammad
9/30/2021 11:30:45 AM



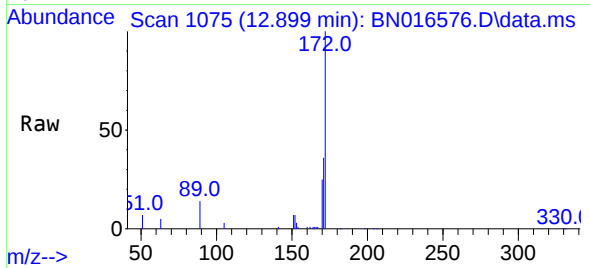
#14
2,4,6-Tribromophenol
Concen: 0.104 ng
RT: 15.779 min Scan# 1302
Delta R.T. 0.000 min
Lab File: BN016576.D
Acq: 29 Sep 2021 13:43

Tgt Ion:330 Resp: 3839
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 33.0 34.4 51.6#

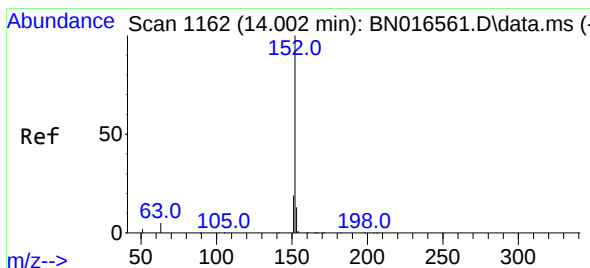
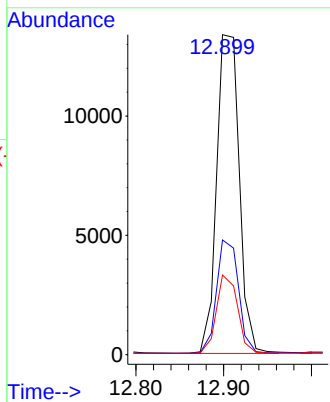
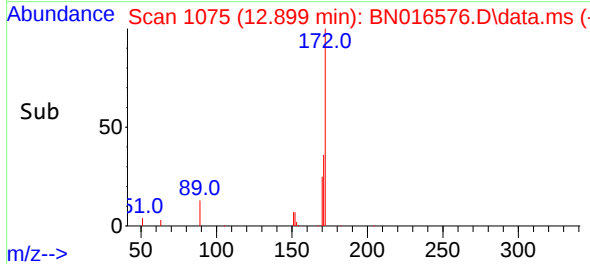




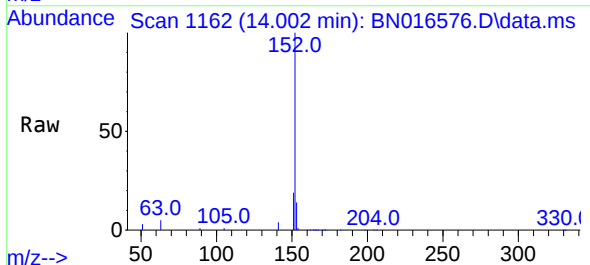
#15
2-Fluorobiphenyl
Concen: 0.069 ng
RT: 12.899 min Scan# 1075
Delta R.T. 0.000 min
Lab File: BN016576.D
Acq: 29 Sep 2021 13:43



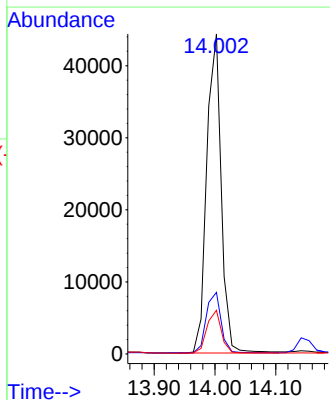
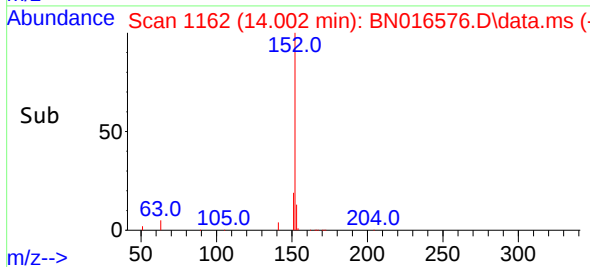
Tgt Ion:172 Resp: 23992
Ion Ratio Lower Upper
172 100
171 35.8 27.4 41.2
170 24.9 18.9 28.3



#16
Acenaphthylene
Concen: 0.196 ng
RT: 14.002 min Scan# 1162
Delta R.T. 0.000 min
Lab File: BN016576.D
Acq: 29 Sep 2021 13:43



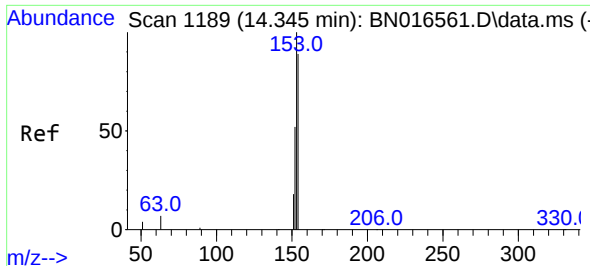
Tgt Ion:152 Resp: 73499
Ion Ratio Lower Upper
152 100
151 19.7 15.4 23.0
153 13.5 10.4 15.6



Instrument :
BNA_N
ClientSampleId :
S-815-N-SO-1-1.5-092421DL

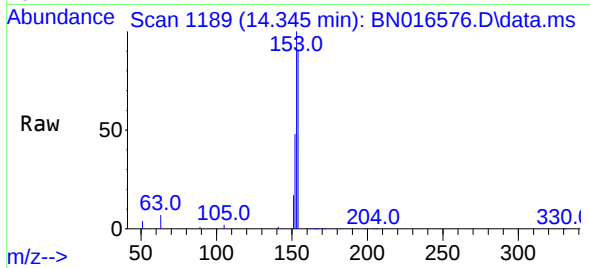
Manual Integrations
APPROVED

mohammad
9/30/2021 11:30:45 AM



#17
Acenaphthene
Concen: 0.283 ng
RT: 14.345 min Scan# 1189
Delta R.T. 0.000 min
Lab File: BN016576.D
Acq: 29 Sep 2021 13:43

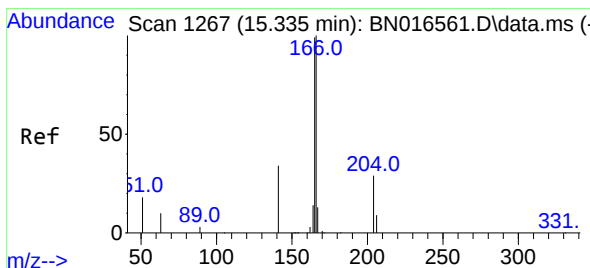
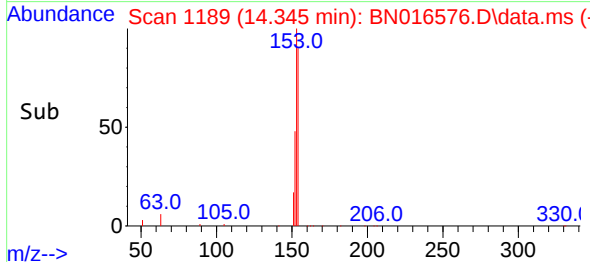
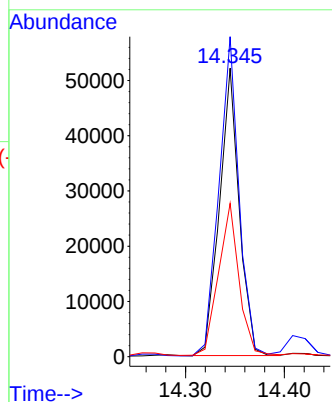
Instrument :
BNA_N
ClientSampleId :
S-815-N-SO-1-1.5-092421DL



Tgt Ion:154 Resp: 72173
Ion Ratio Lower Upper
154 100
153 112.9 91.0 136.4
152 55.0 55.8 83.6#

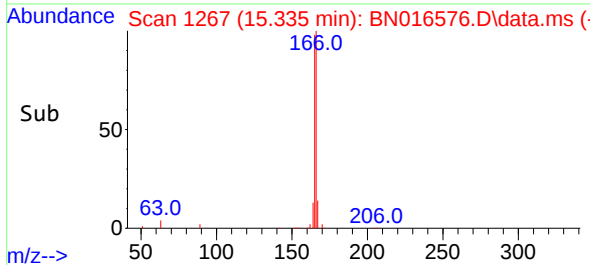
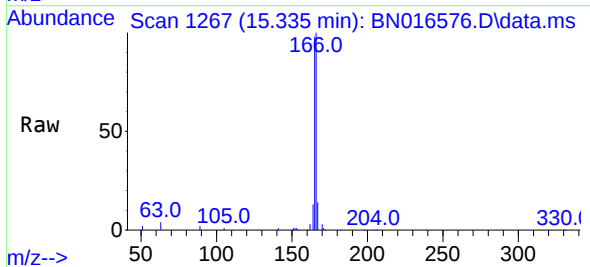
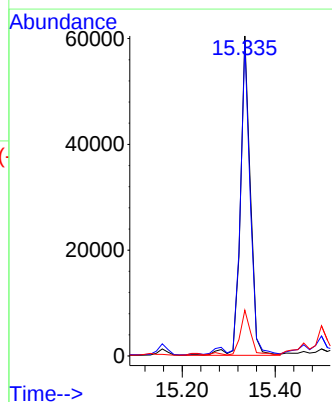
Manual Integrations
APPROVED

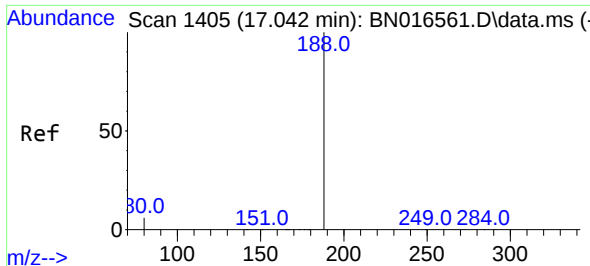
mohammad
9/30/2021 11:30:45 AM



#18
Fluorene
Concen: 0.285 ng
RT: 15.335 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BN016576.D
Acq: 29 Sep 2021 13:43

Tgt Ion:166 Resp: 88797
Ion Ratio Lower Upper
166 100
165 99.2 77.6 116.4
167 14.5 10.7 16.1





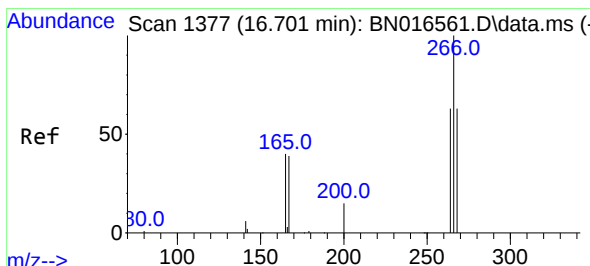
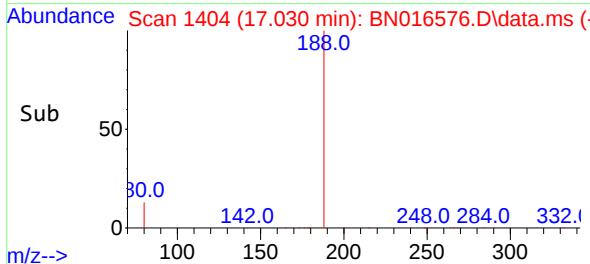
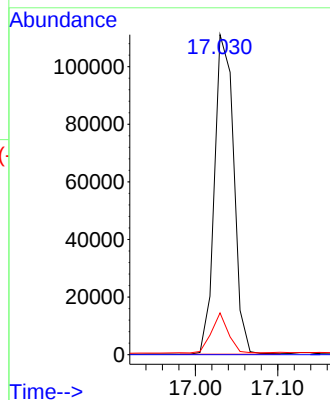
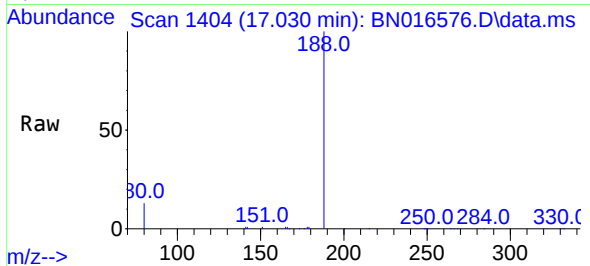
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.030 min Scan# 1404
Delta R.T. 0.000 min
Lab File: BN016576.D
Acq: 29 Sep 2021 13:43

Tgt Ion:188 Resp: 179678
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.1 6.9 10.3#

Instrument :
BNA_N
ClientSampleId :
S-815-N-SO-1-1.5-092421DL

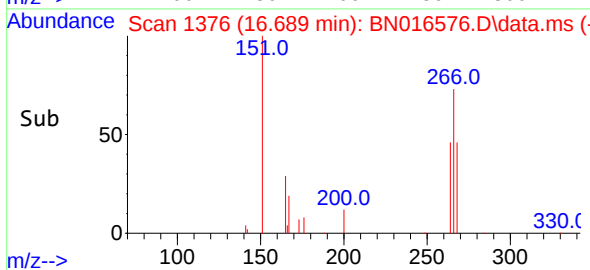
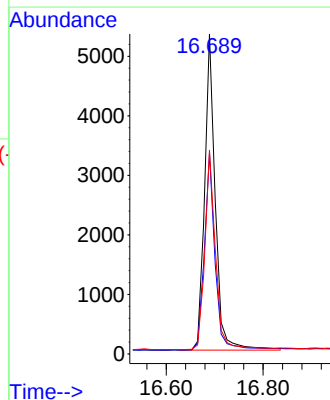
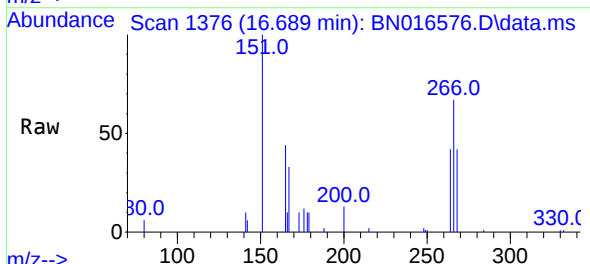
Manual Integrations
APPROVED

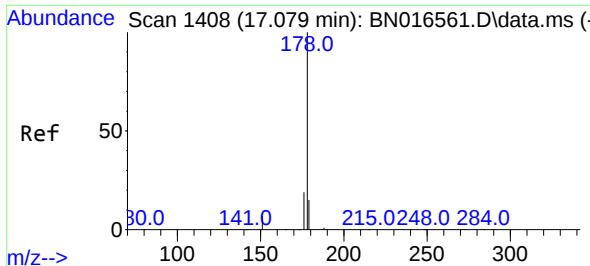
mohammad
9/30/2021 11:30:45 AM



#24
Pentachlorophenol
Concen: 0.341 ng
RT: 16.689 min Scan# 1376
Delta R.T. 0.000 min
Lab File: BN016576.D
Acq: 29 Sep 2021 13:43

Tgt Ion:266 Resp: 8154
Ion Ratio Lower Upper
266 100
264 62.7 50.2 75.2
268 63.6 51.8 77.8





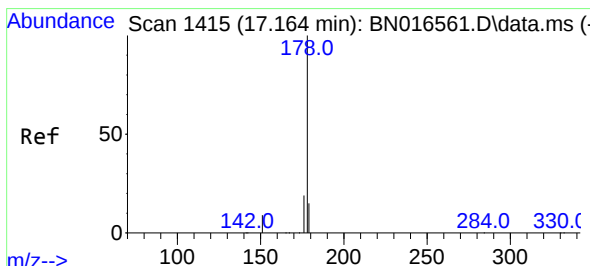
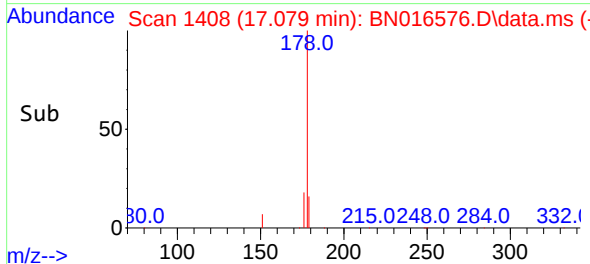
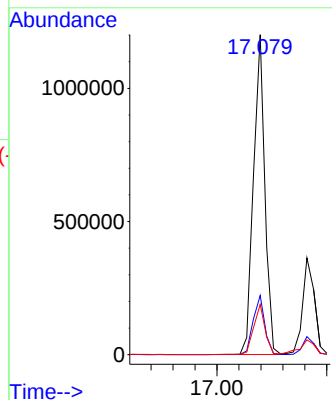
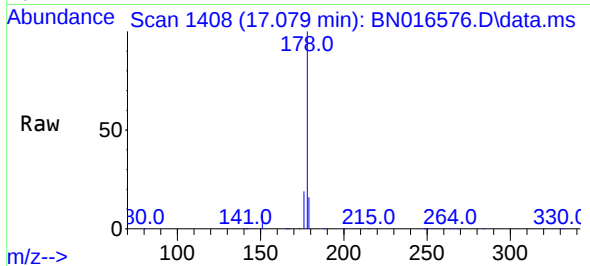
#25
Phenanthrene
Concen: 3.201 ng
RT: 17.079 min Scan# 1408
Delta R.T. 0.000 min
Lab File: BN016576.D
Acq: 29 Sep 2021 13:43

Tgt Ion:178 Resp: 1730253
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 15.7 12.3 18.5

Instrument :
BNA_N
ClientSampleId :
S-815-N-SO-1-1.5-092421DL

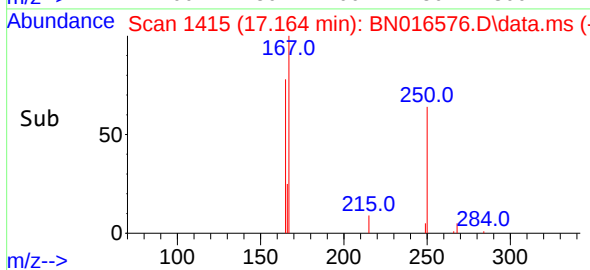
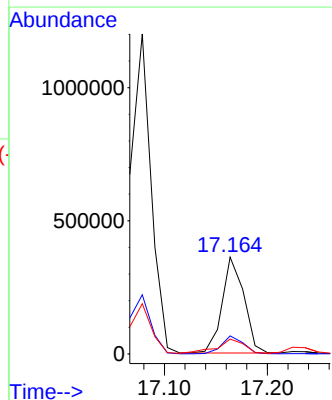
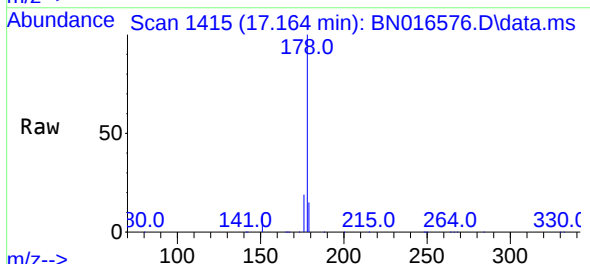
Manual Integrations
APPROVED

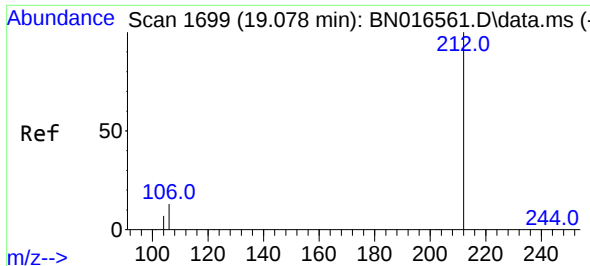
mohammad
9/30/2021 11:30:45 AM



#26
Anthracene
Concen: 1.129 ng
RT: 17.164 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BN016576.D
Acq: 29 Sep 2021 13:43

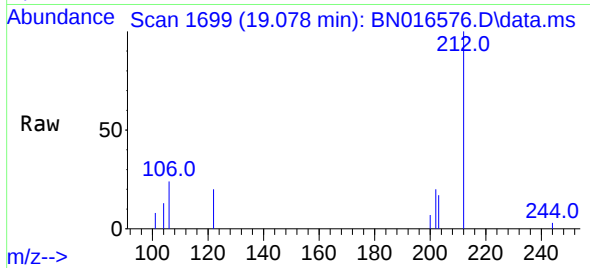
Tgt Ion:178 Resp: 530467
Ion Ratio Lower Upper
178 100
176 18.3 14.6 21.8
179 18.6 12.2 18.4#





#27
Fluoranthene-d10
Concen: 0.070 ng
RT: 19.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BN016576.D
Acq: 29 Sep 2021 13:43

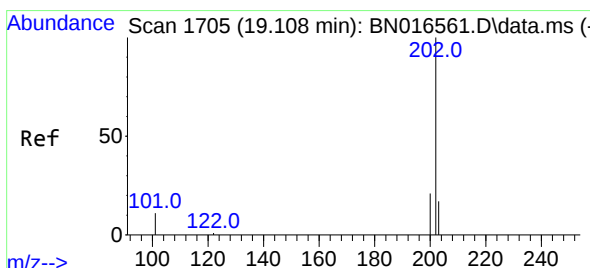
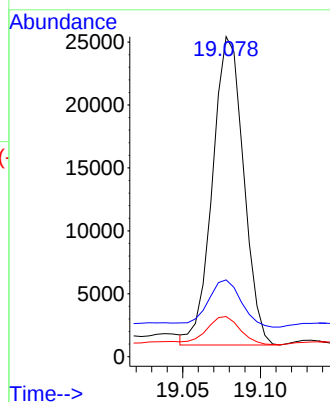
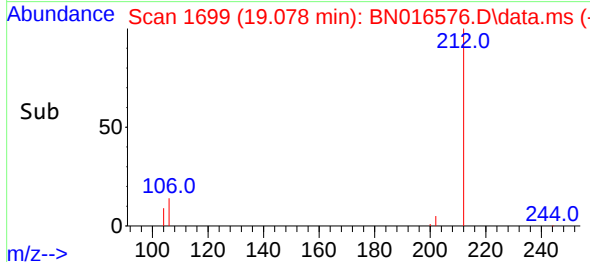
Instrument :
BNA_N
ClientSampleId :
S-815-N-SO-1-1.5-092421DL



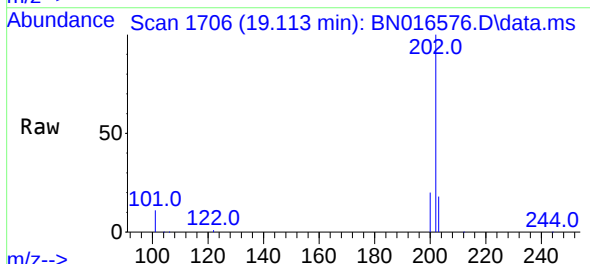
Tgt Ion:212 Resp: 34035
Ion Ratio Lower Upper
212 100
106 16.7 8.8 13.2#
104 11.2 5.0 7.4#

Manual Integrations
APPROVED

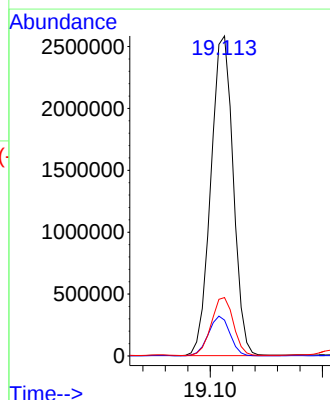
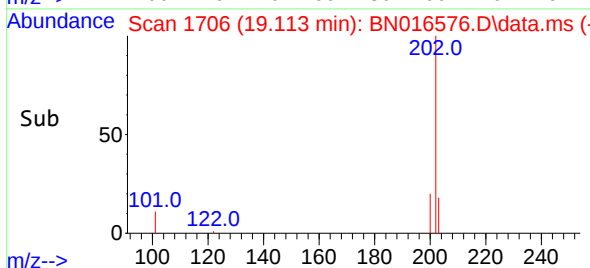
mohammad
9/30/2021 11:30:45 AM

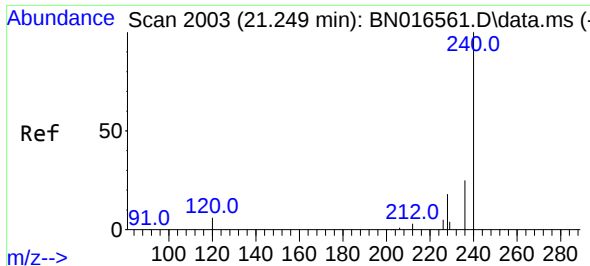


#28
Fluoranthene
Concen: 6.051 ng
RT: 19.113 min Scan# 1706
Delta R.T. 0.005 min
Lab File: BN016576.D
Acq: 29 Sep 2021 13:43

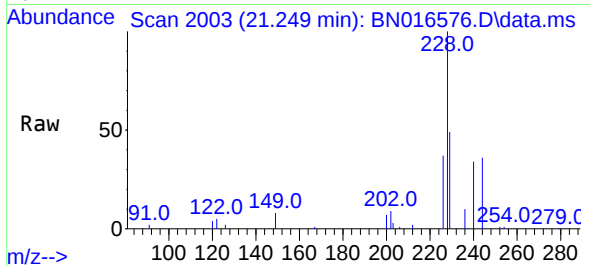


Tgt Ion:202 Resp: 3575407
Ion Ratio Lower Upper
202 100
101 11.9 7.5 11.3#
203 17.9 13.9 20.9

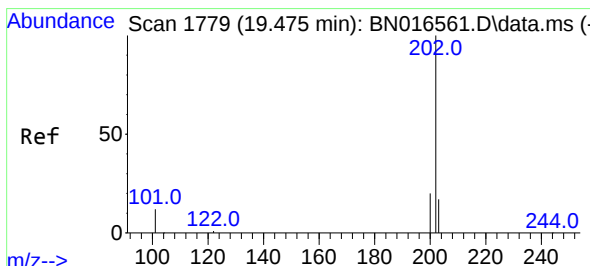
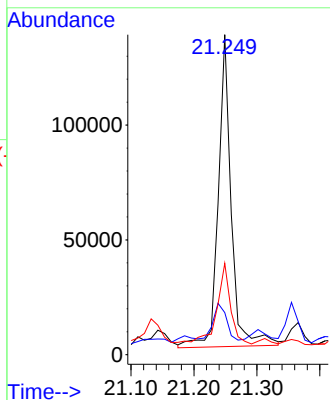
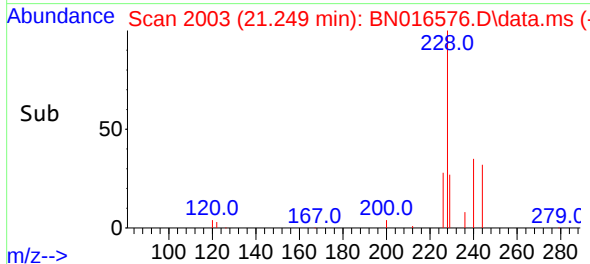




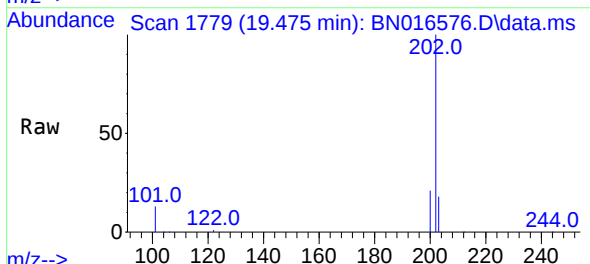
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.249 min Scan# 2003
Delta R.T. 0.000 min
Lab File: BN016576.D
Acq: 29 Sep 2021 13:43



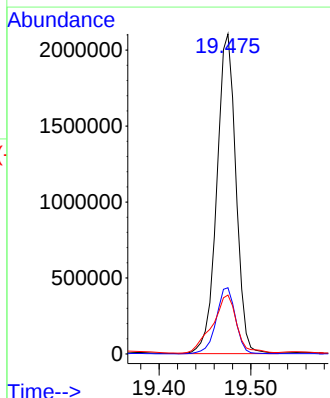
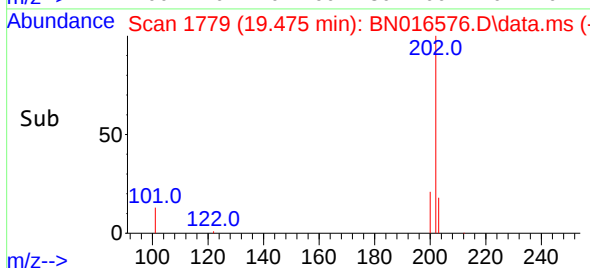
Tgt Ion:240 Resp: 195514
Ion Ratio Lower Upper
240 100
120 13.1 9.0 13.4
236 28.5 21.7 32.5



#30
Pyrene
Concen: 4.566 ng
RT: 19.475 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BN016576.D
Acq: 29 Sep 2021 13:43



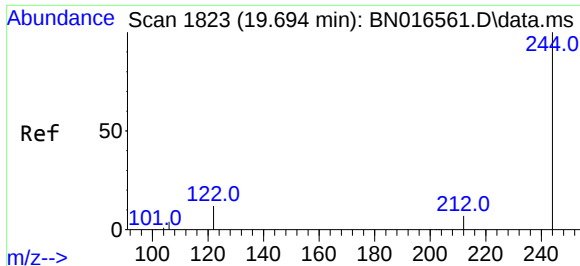
Tgt Ion:202 Resp: 3043576
Ion Ratio Lower Upper
202 100
200 20.9 16.3 24.5
203 23.1 13.9 20.9#



Instrument :
BNA_N
ClientSampleId :
S-815-N-SO-1-1.5-092421DL

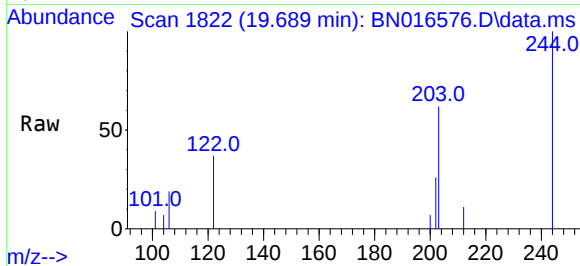
Manual Integrations
APPROVED

mohammad
9/30/2021 11:30:45 AM



#31
Terphenyl-d14
Concen: 0.074 ng
RT: 19.689 min Scan# 1822
Delta R.T. -0.005 min
Lab File: BN016576.D
Acq: 29 Sep 2021 13:43

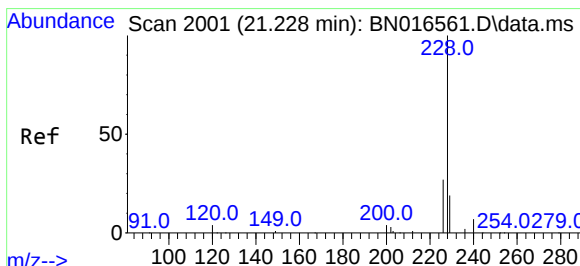
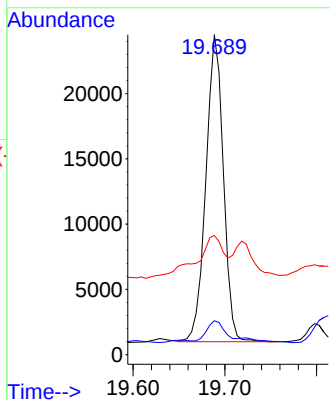
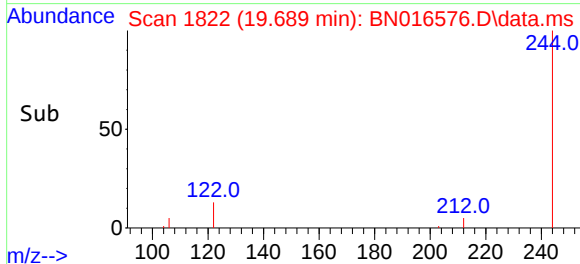
Instrument :
BNA_N
ClientSampleId :
S-815-N-SO-1-1.5-092421DL



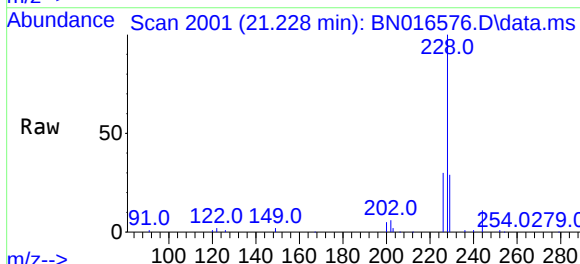
Tgt Ion:244 Resp: 31105
Ion Ratio Lower Upper
244 100
212 10.6 6.1 9.1#
122 37.3 8.4 12.6#

Manual Integrations
APPROVED

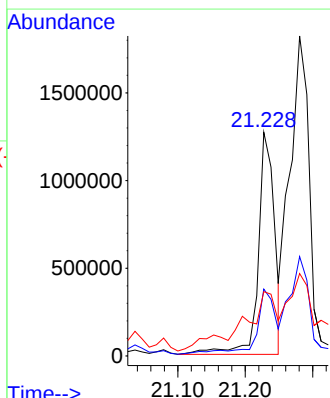
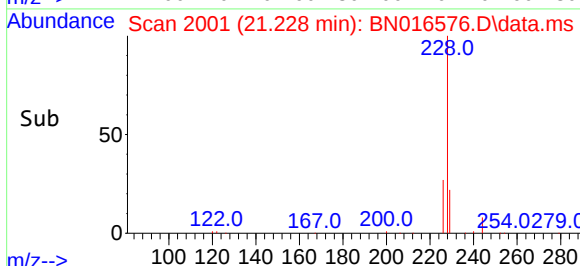
mohammad
9/30/2021 11:30:45 AM

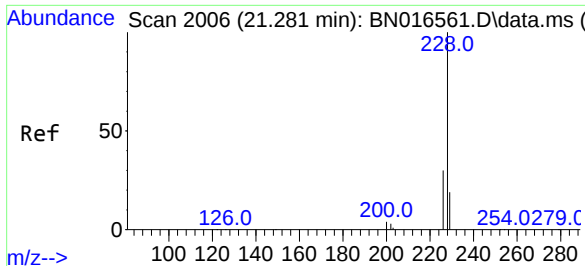


#32
Benzo(a)anthracene
Concen: 3.526 ng
RT: 21.228 min Scan# 2001
Delta R.T. 0.000 min
Lab File: BN016576.D
Acq: 29 Sep 2021 13:43



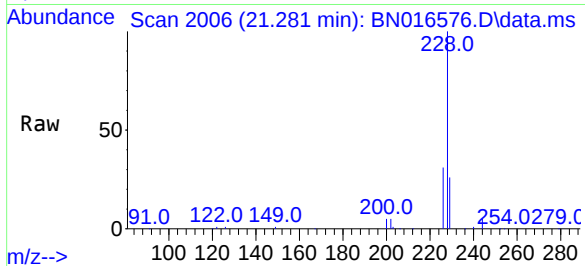
Tgt Ion:228 Resp: 2136759
Ion Ratio Lower Upper
228 100
226 29.9 21.2 31.8
229 28.7 15.6 23.4#





#33
Chrysene
Concen: 5.681 ng
RT: 21.281 min Scan# 2006
Delta R.T. 0.000 min
Lab File: BN016576.D
Acq: 29 Sep 2021 13:43

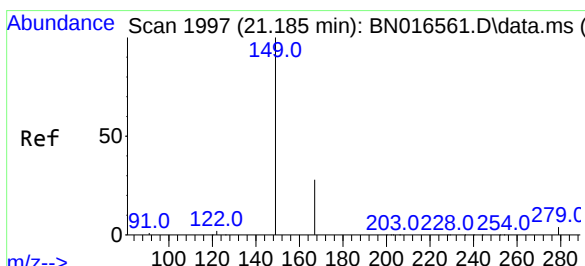
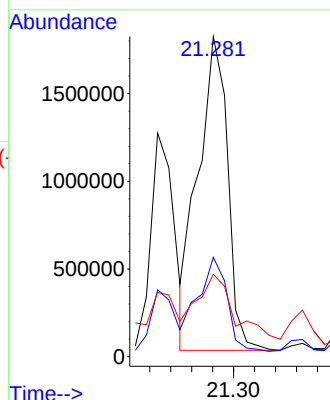
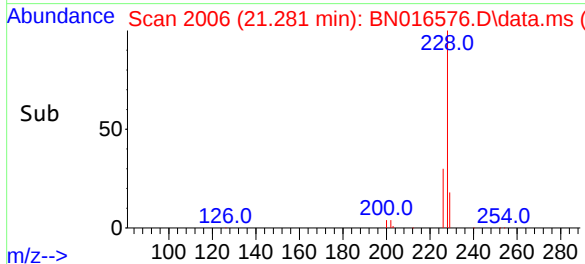
Instrument :
BNA_N
ClientSampleId :
S-815-N-SO-1-1.5-092421DL



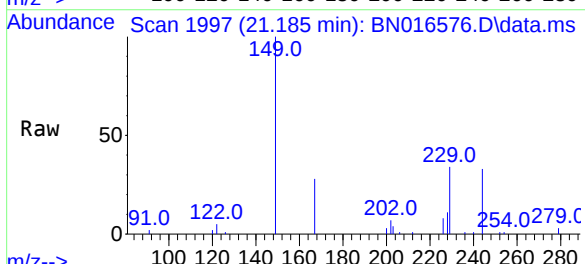
Tgt Ion:228 Resp: 3511105
Ion Ratio Lower Upper
228 100
226 31.0 23.1 34.7
229 25.8 15.8 23.8#

Manual Integrations
APPROVED

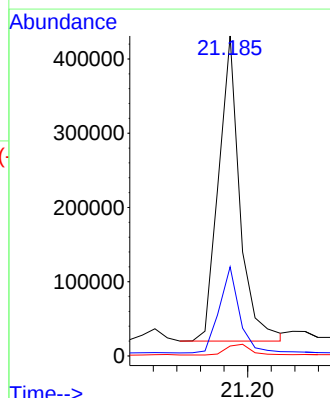
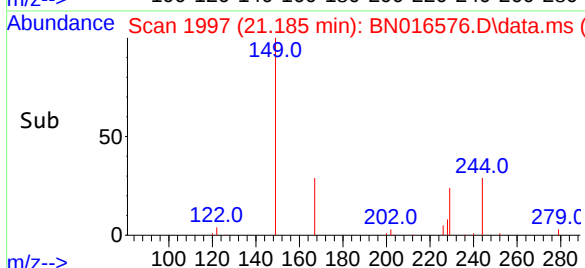
mohammad
9/30/2021 11:30:45 AM

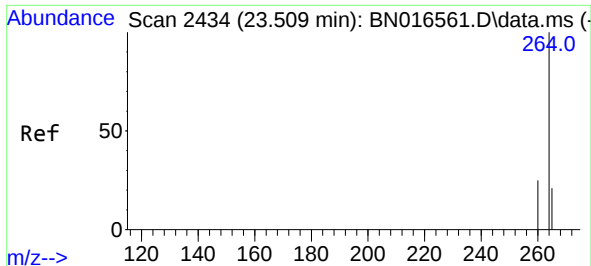


#34
Bis(2-ethylhexyl)phthalate
Concen: 2.847 ng
RT: 21.185 min Scan# 1997
Delta R.T. 0.000 min
Lab File: BN016576.D
Acq: 29 Sep 2021 13:43



Tgt Ion:149 Resp: 513700
Ion Ratio Lower Upper
149 100
167 26.8 21.4 32.2
279 4.0 3.1 4.7





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.515 min Scan# 2436

Delta R.T. 0.007 min

Lab File: BN016576.D

Acq: 29 Sep 2021 13:43

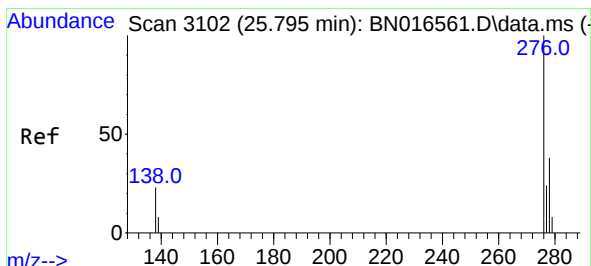
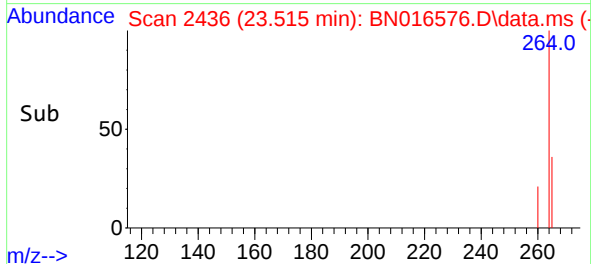
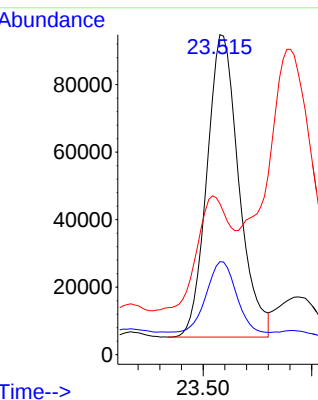
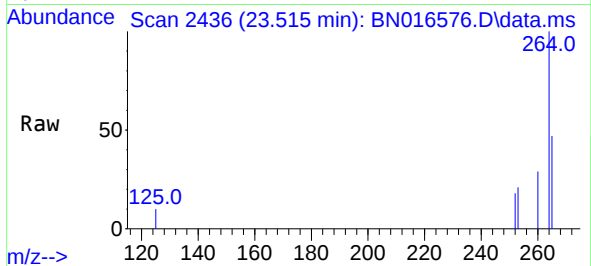
Tgt Ion:264 Resp: 183497

Ion Ratio Lower Upper

264 100

260 29.0 19.9 29.9

265 47.2 20.7 31.1#



#36

Indeno(1,2,3-cd)pyrene

Concen: 1.337 ng

RT: 25.809 min Scan# 3106

Delta R.T. 0.007 min

Lab File: BN016576.D

Acq: 29 Sep 2021 13:43

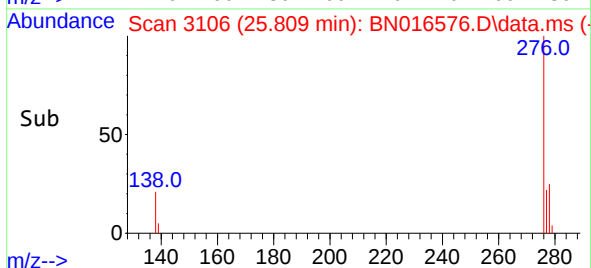
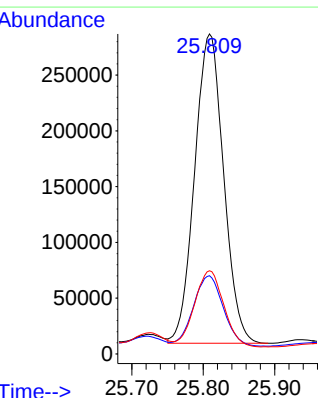
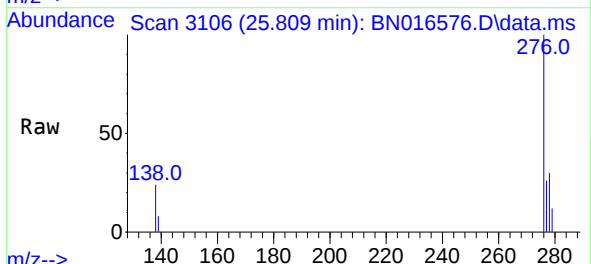
Tgt Ion:276 Resp: 782027

Ion Ratio Lower Upper

276 100

138 23.6 18.2 27.2

277 24.9 19.8 29.8



Instrument :

BNA_N

ClientSampleId :

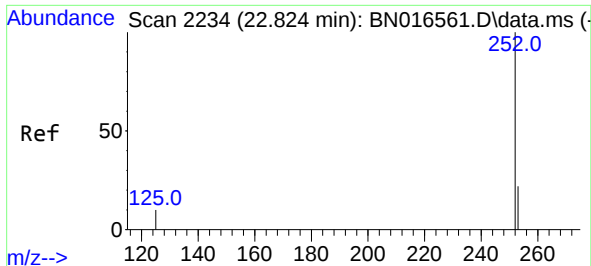
S-815-N-SO-1-1.5-092421DL

Manual Integrations

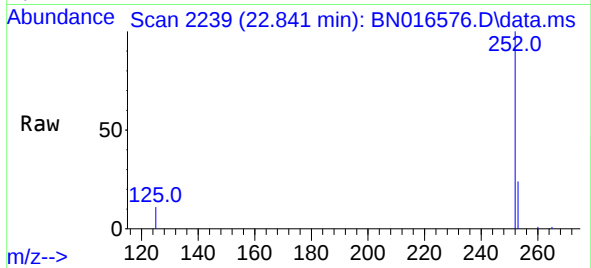
APPROVED

mohammad

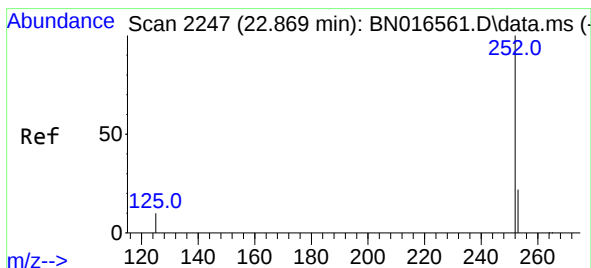
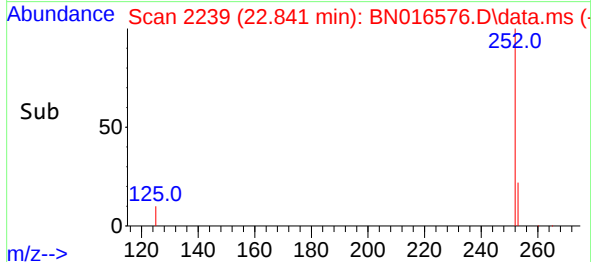
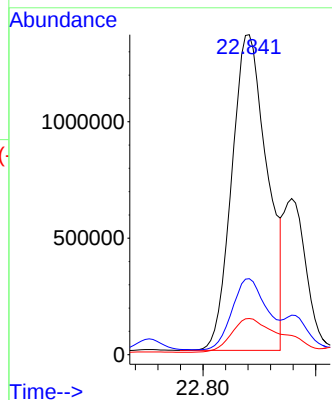
9/30/2021 11:30:45 AM



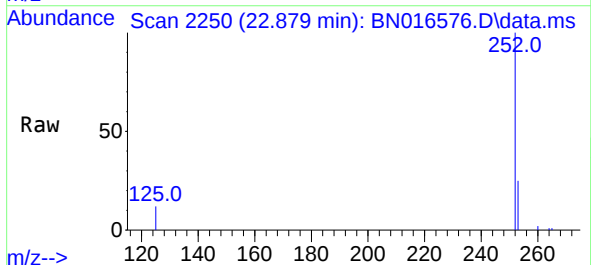
#37
Benzo(b)fluoranthene
Concen: 4.854 ng
RT: 22.841 min Scan# 2239
Delta R.T. 0.014 min
Lab File: BN016576.D
Acq: 29 Sep 2021 13:43



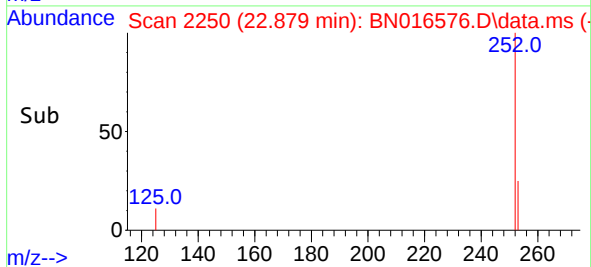
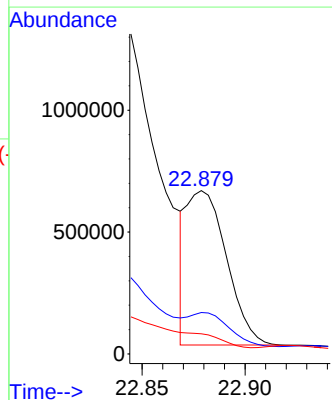
Tgt Ion:252 Resp: 2974012
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.6
125 11.3 7.3 10.9#



#38
Benzo(k)fluoranthene
Concen: 1.427 ng m
RT: 22.879 min Scan# 2250
Delta R.T. 0.007 min
Lab File: BN016576.D
Acq: 29 Sep 2021 13:43



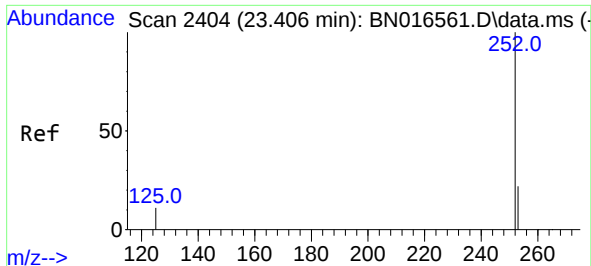
Tgt Ion:252 Resp: 852105
Ion Ratio Lower Upper
252 100
253 25.3 17.8 26.6
125 12.3 7.4 11.0#



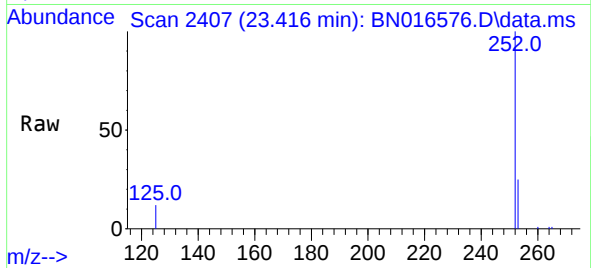
Instrument :
BNA_N
ClientSampleId :
S-815-N-SO-1-1.5-092421DL

Manual Integrations
APPROVED

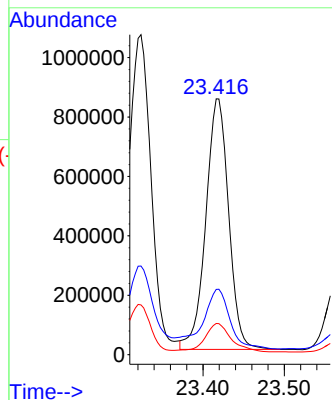
mohammad
9/30/2021 11:30:45 AM



#39
Benzo(a)pyrene
Concen: 2.935 ng
RT: 23.416 min Scan# 2407
Delta R.T. 0.007 min
Lab File: BN016576.D
Acq: 29 Sep 2021 13:43



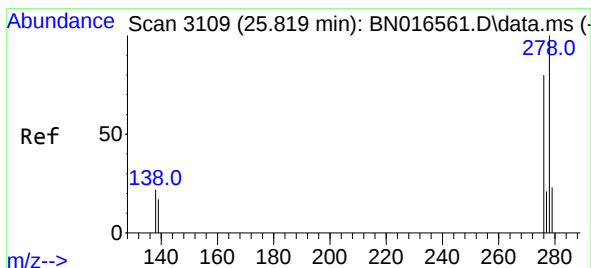
Tgt Ion:252 Resp: 1649426
Ion Ratio Lower Upper
252 100
253 25.5 17.9 26.9
125 12.2 8.2 12.4



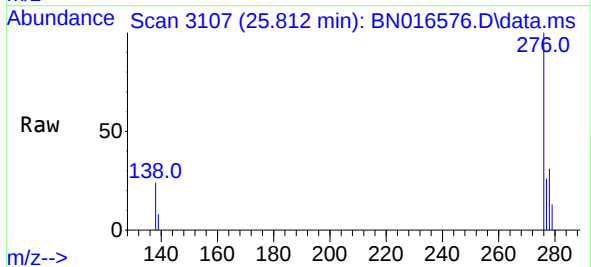
Instrument :
BNA_N
ClientSampleId :
S-815-N-SO-1-1.5-092421DL

Manual Integrations
APPROVED

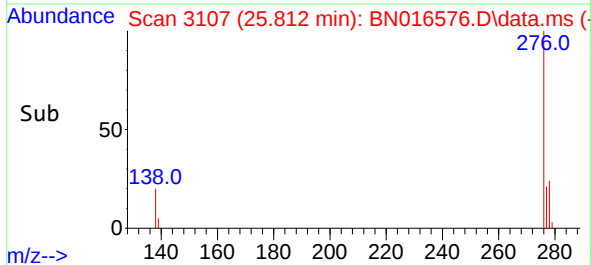
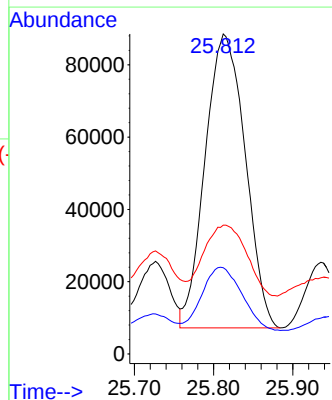
mohammad
9/30/2021 11:30:45 AM

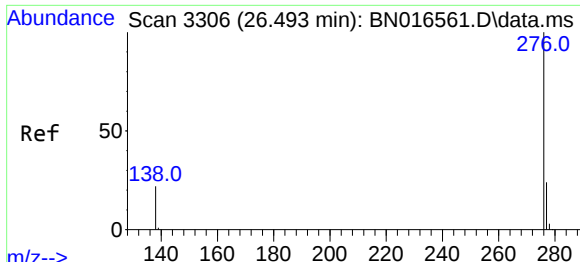


#40
Dibenzo(a,h)anthracene
Concen: 0.703 ng
RT: 25.812 min Scan# 3107
Delta R.T. -0.010 min
Lab File: BN016576.D
Acq: 29 Sep 2021 13:43



Tgt Ion:278 Resp: 285989
Ion Ratio Lower Upper
278 100
139 26.9 12.1 18.1#
279 40.3 19.2 28.8#





#41
Benzo(g,h,i)perylene
Concen: 1.456 ng
RT: 26.514 min Scan# 3312
Delta R.T. 0.017 min
Lab File: BN016576.D
Acq: 29 Sep 2021 13:43

Tgt Ion:	276	Resp:	774890
Ion Ratio	Lower	Upper	
276	100		
277	25.2	18.9	28.3
138	23.3	15.7	23.5

Instrument :
BNA_N
ClientSampleId :
S-815-N-SO-1-1.5-092421DL

Manual Integrations
APPROVED

mohammad
9/30/2021 11:30:45 AM

