

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100621\
 Data File : BN016803.D
 Acq On : 07 Oct 2021 06:44
 Operator : CG/JU
 Sample : M3945-10
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-816-N-SO-1-1.5-092421

Manual Integrations
 APPROVED

mohammad
 10/7/2021 8:51:50 AM

Quant Time: Oct 07 07:16:09 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 06 14:22:07 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.633	152	17848	0.40	ng	0.00
7) Naphthalene-d8	10.394	136	84654	0.40	ng	-0.01
13) Acenaphthene-d10	14.269	164	49031	0.40	ng	0.00
19) Phenanthrene-d10	17.018	188	101689	0.40	ng	0.00
29) Chrysene-d12	21.228	240	102215	0.40	ng	# 0.00
35) Perylene-d12	23.481	264	117406	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.273	112	13027	0.29	ng	0.03
5) Phenol-d6	6.822	99	13658	0.27	ng	0.00
8) Nitrobenzene-d5	8.772	82	15711	0.26	ng	0.00
11) 2-Methylnaphthalene-d10	11.994	152	36604	0.29	ng	0.00
14) 2,4,6-Tribromophenol	15.766	330	7278	0.37	ng	0.00
15) 2-Fluorobiphenyl	12.886	172	47535	0.24	ng	0.00
27) Fluoranthene-d10	19.058	212	82007	0.29	ng	0.00
31) Terphenyl-d14	19.674	244	66938	0.29	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.445	128	10610	0.05	ng	96
12) 2-Methylnaphthalene	12.070	142	7508	0.05	ng	98
16) Acenaphthylene	13.977	152	14716	0.07	ng	96
17) Acenaphthene	14.320	154	27979	0.20	ng	100
18) Fluorene	15.322	166	31083m	0.18	ng	
25) Phenanthrene	17.054	178	1020528	3.41	ng	100
26) Anthracene	17.152	178	135192	0.51	ng	# 93
28) Fluoranthene	19.093	202	2538129	7.65	ng	99
30) Pyrene	19.455	202	2147953	6.39	ng	# 93
32) Benzo(a)anthracene	21.217	228	1236974	3.90	ng	98
33) Chrysene	21.270	228	1268806	3.95	ng	96
34) Bis(2-ethylhexyl)phtha...	21.164	149	1886429	9.81	ng	98
36) Indeno(1,2,3-cd)pyrene	25.757	276	962422	2.58	ng	96
37) Benzo(b)fluoranthene	22.807	252	2170490	5.72	ng	99
38) Benzo(k)fluoranthene	22.848	252	715807m	1.96	ng	
39) Benzo(a)pyrene	23.382	252	1397915	4.12	ng	99
40) Dibenzo(a,h)anthracene	25.771	278	221428	0.75	ng	# 95
41) Benzo(g,h,i)perylene	26.456	276	895437	2.71	ng	99

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

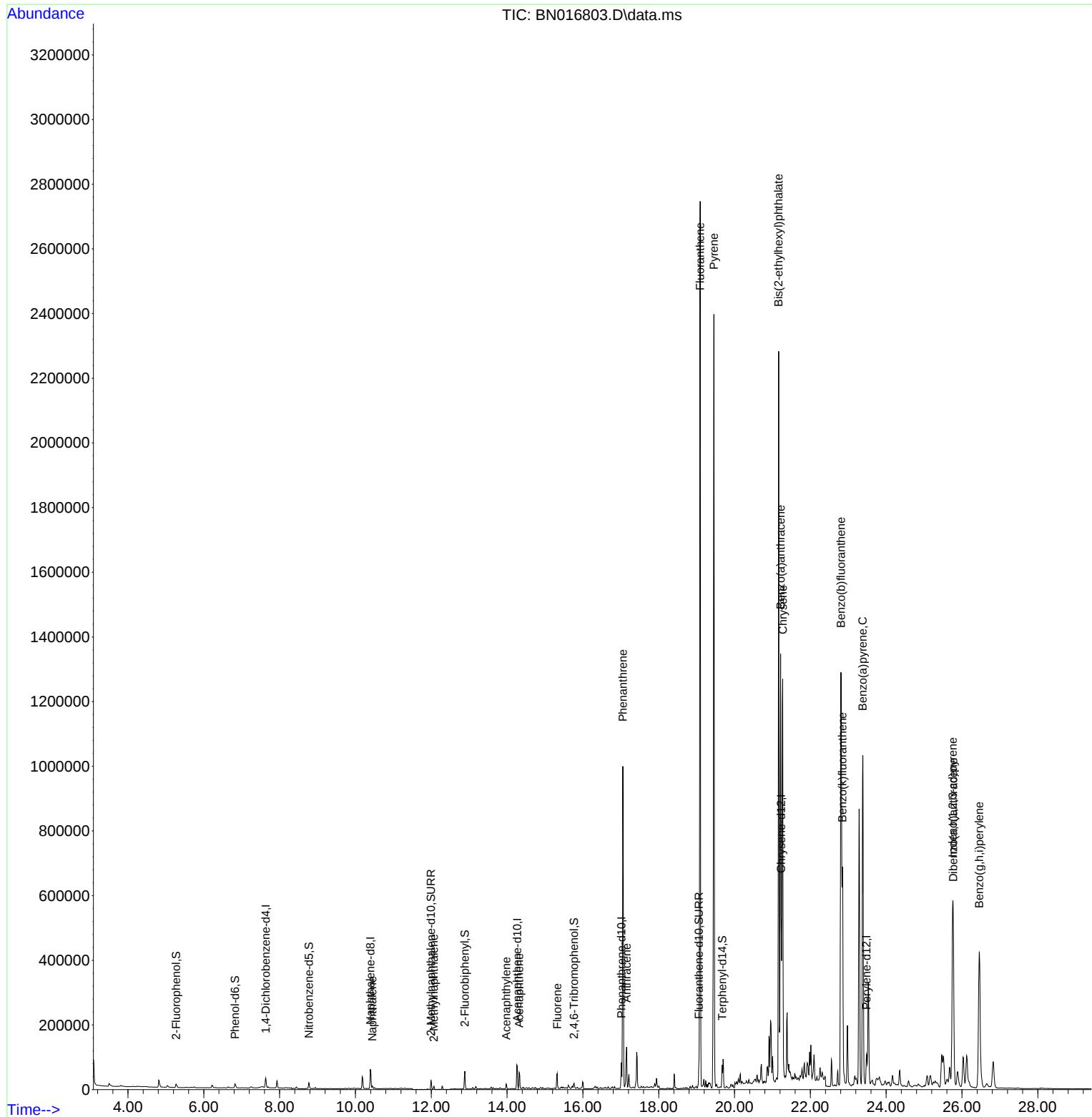
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100621\
Data File : BN016803.D
Acq On : 07 Oct 2021 06:44
Operator : CG/JU
Sample : M3945-10
Misc :
ALS Vial : 27 Sample Multiplier: 1

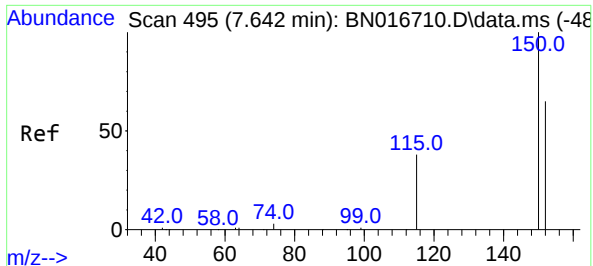
Instrument :
BNA_N
ClientSampleId :
S-816-N-SO-1-1.5-092421

Manual Integrations
APPROVED

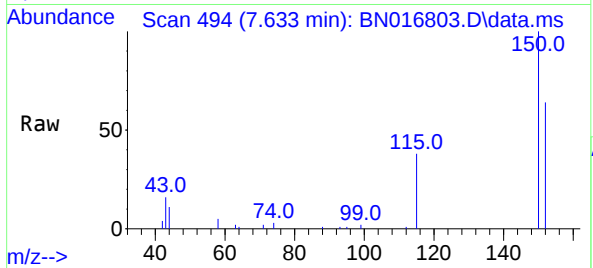
mohammad
10/7/2021 8:51:50 AM

Quant Time: Oct 07 07:16:09 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 06 14:22:07 2021
Response via : Initial Calibration

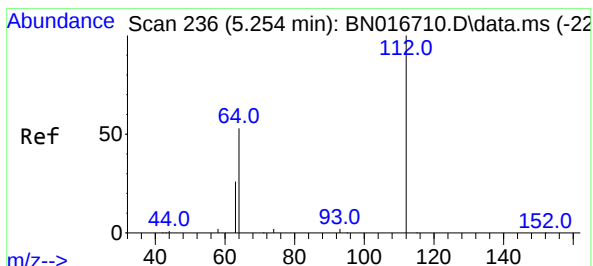
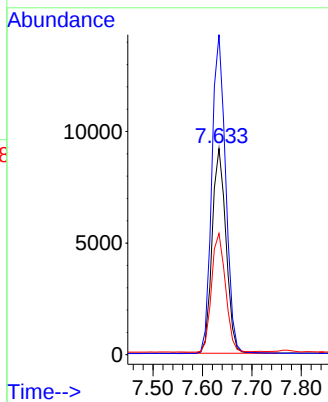
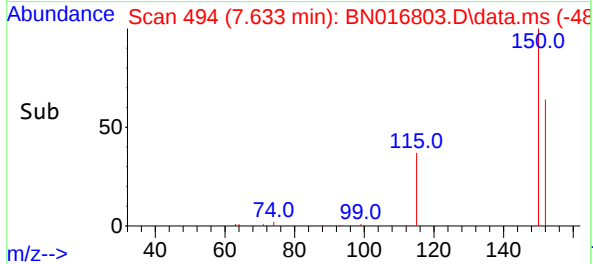




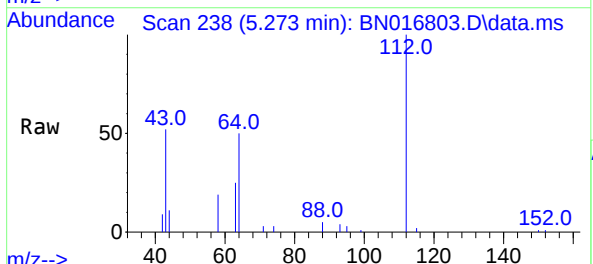
#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.633 min Scan# 494
Delta R.T. 0.000 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44



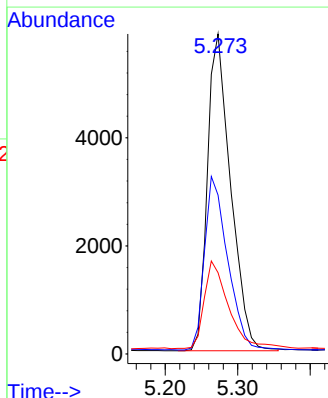
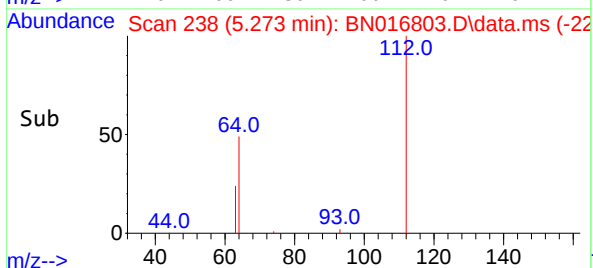
Tgt Ion:152 Resp: 17848
Ion Ratio Lower Upper
152 100
150 155.1 123.3 184.9
115 58.8 47.0 70.6



#4
2-Fluorophenol
Concen: 0.29 ng
RT: 5.273 min Scan# 238
Delta R.T. 0.028 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44



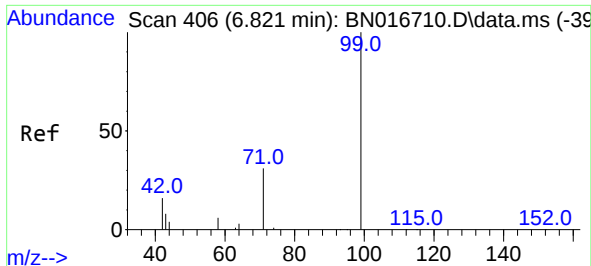
Tgt Ion:112 Resp: 13027
Ion Ratio Lower Upper
112 100
64 54.7 42.9 64.3
63 29.0 21.5 32.3



Instrument :
BNA_N
ClientSampleId :
S-816-N-SO-1-1.5-092421

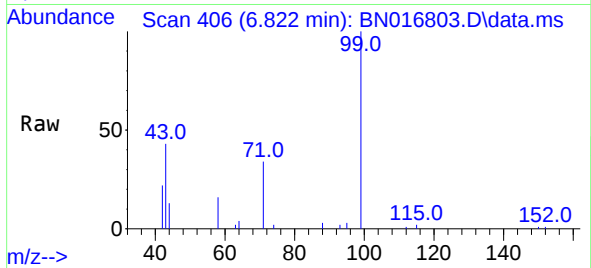
Manual Integrations
APPROVED

mohammad
10/7/2021 8:51:50 AM



#5
Phenol-d6
Concen: 0.27 ng
RT: 6.822 min Scan# 406
Delta R.T. 0.009 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

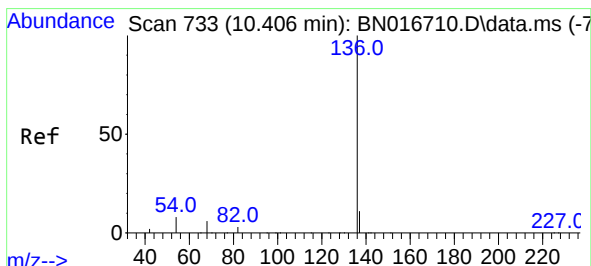
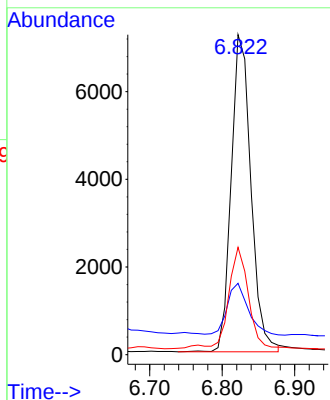
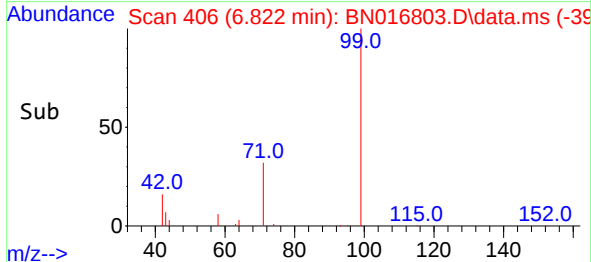
Instrument :
BNA_N
ClientSampleId :
S-816-N-SO-1-1.5-092421



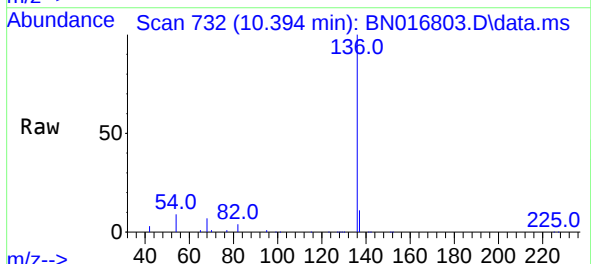
Tgt Ion: 99 Resp: 13658
Ion Ratio Lower Upper
99 100
42 17.2 13.4 20.2
71 32.1 24.0 36.0

Manual Integrations
APPROVED

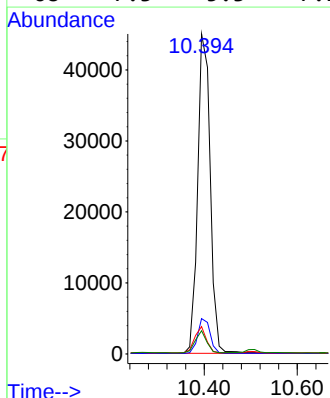
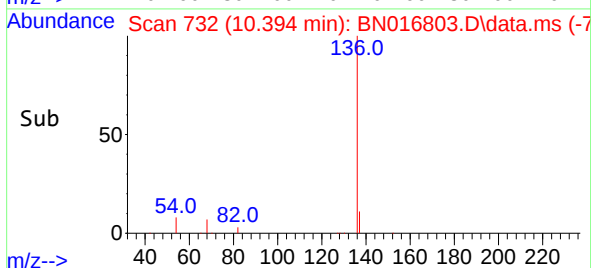
mohammad
10/7/2021 8:51:50 AM

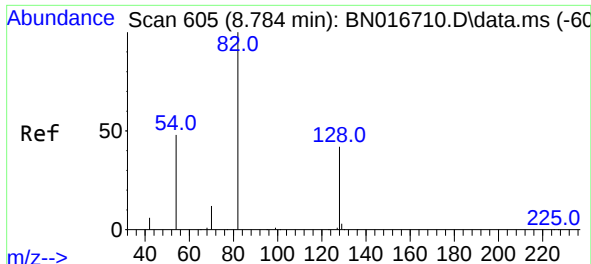


#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.394 min Scan# 732
Delta R.T. -0.012 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44



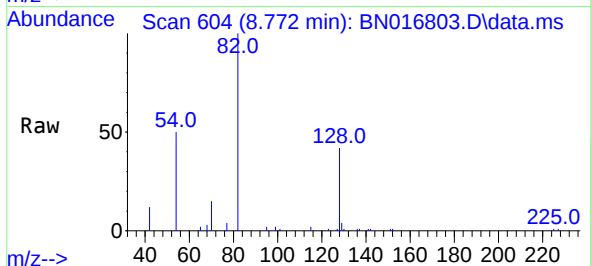
Tgt Ion: 136 Resp: 84654
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 8.6 6.5 9.7
68 7.3 5.3 7.9





#8
Nitrobenzene-d5
Concen: 0.26 ng
RT: 8.772 min Scan# 604
Delta R.T. 0.000 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

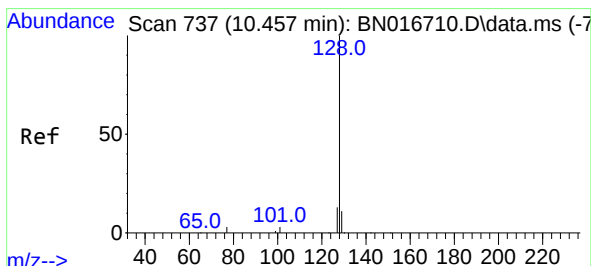
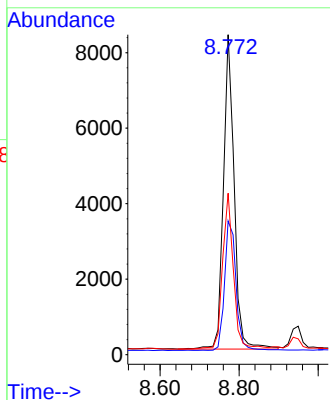
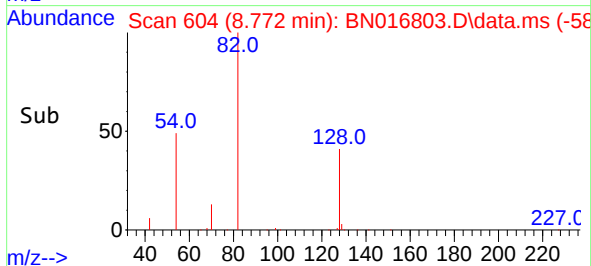
Instrument :
BNA_N
ClientSampleId :
S-816-N-SO-1-1.5-092421



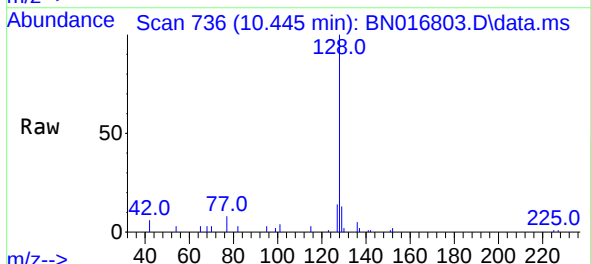
Tgt Ion: 82 Resp: 15711
Ion Ratio Lower Upper
82 100
128 41.8 33.8 50.6
54 50.5 38.5 57.7

Manual Integrations
APPROVED

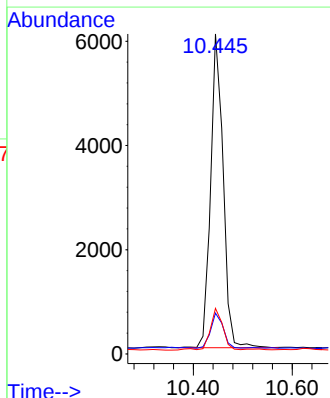
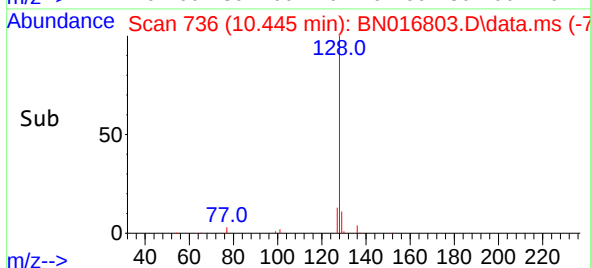
mohammad
10/7/2021 8:51:50 AM

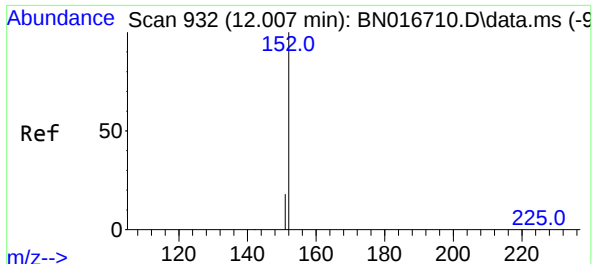


#9
Naphthalene
Concen: 0.05 ng
RT: 10.445 min Scan# 736
Delta R.T. 0.000 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44



Tgt Ion: 128 Resp: 10610
Ion Ratio Lower Upper
128 100
129 12.8 8.7 13.1
127 14.2 10.3 15.5





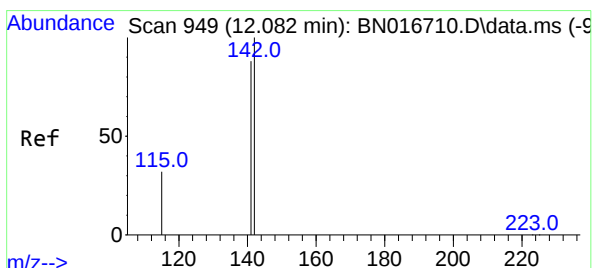
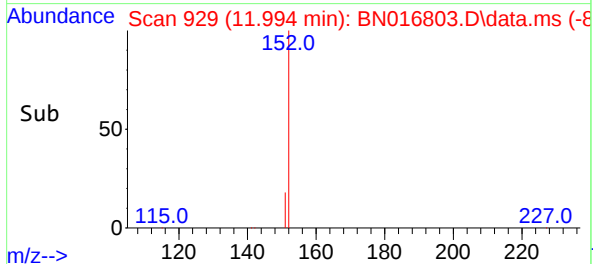
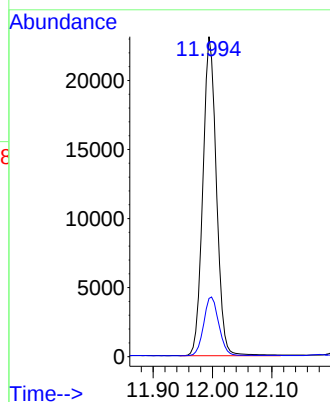
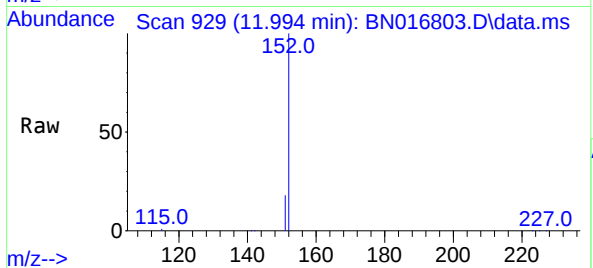
#11
2-Methylnaphthalene-d10
Concen: 0.29 ng
RT: 11.994 min Scan# 929
Delta R.T. -0.004 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

Tgt Ion:152 Resp: 36604
Ion Ratio Lower Upper
152 100
151 20.4 16.2 24.4

Instrument :
BNA_N
ClientSampleId :
S-816-N-SO-1-1.5-092421

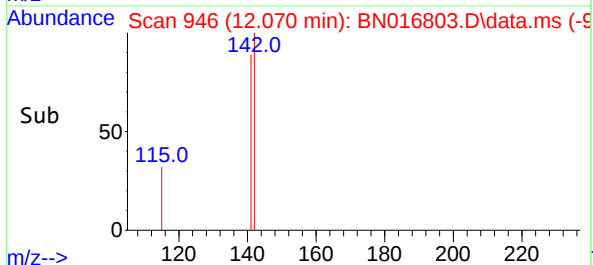
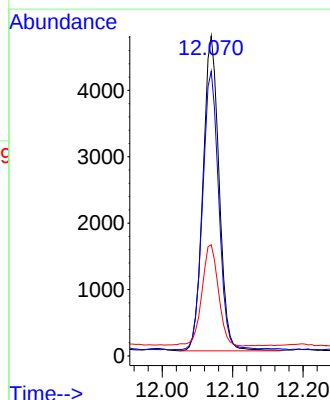
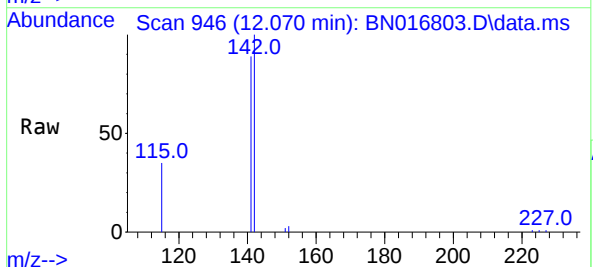
Manual Integrations
APPROVED

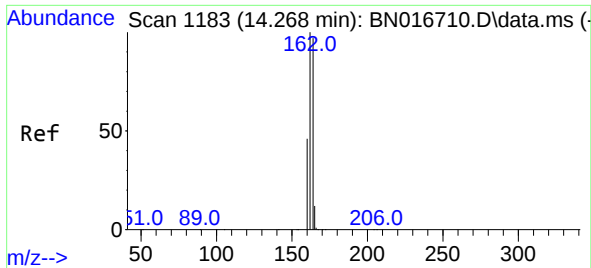
mohammad
10/7/2021 8:51:50 AM



#12
2-Methylnaphthalene
Concen: 0.05 ng
RT: 12.070 min Scan# 946
Delta R.T. 0.000 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

Tgt Ion:142 Resp: 7508
Ion Ratio Lower Upper
142 100
141 88.9 70.6 106.0
115 34.7 26.1 39.1





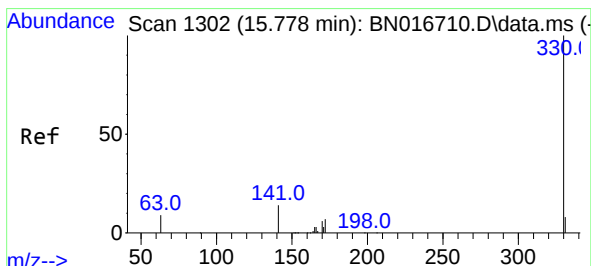
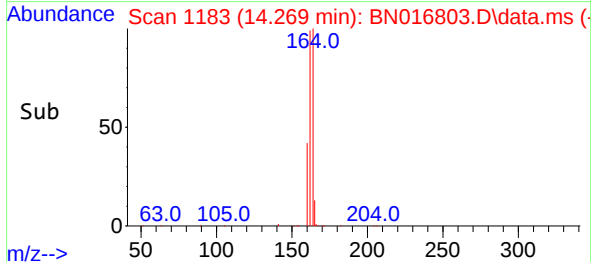
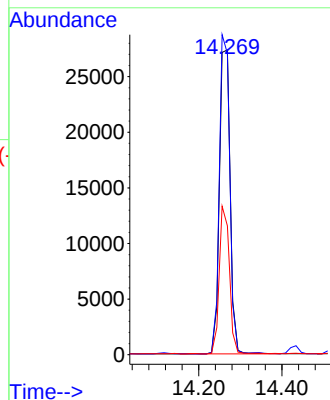
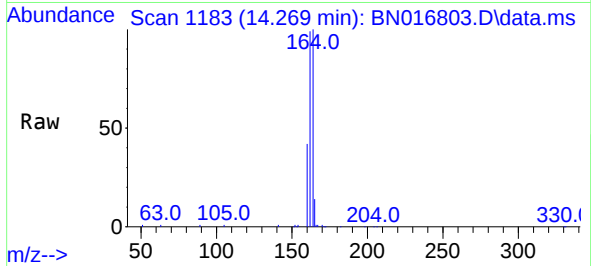
#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.269 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

Tgt Ion:	164	Resp:	49031
Ion	Ratio	Lower	Upper
164	100		
162	98.8	82.6	124.0
160	42.3	38.2	57.2

Instrument :
BNA_N
ClientSampleId :
S-816-N-SO-1-1.5-092421

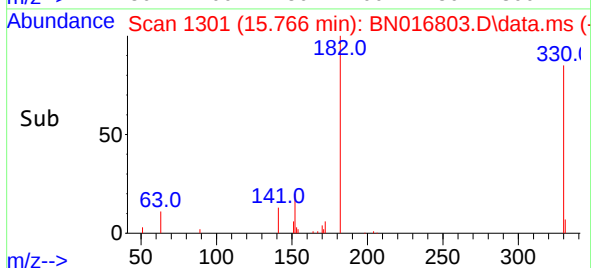
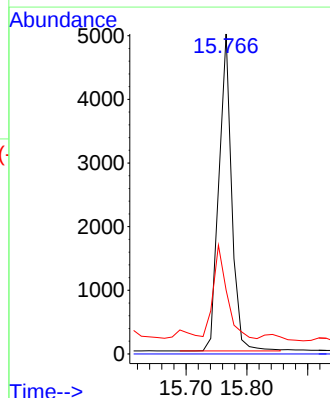
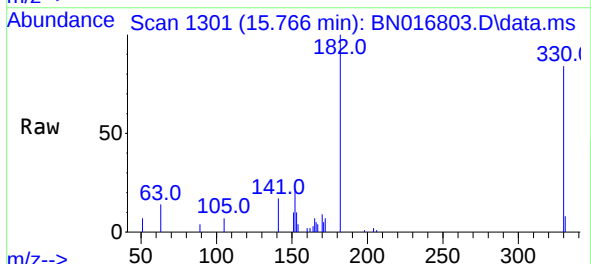
Manual Integrations
APPROVED

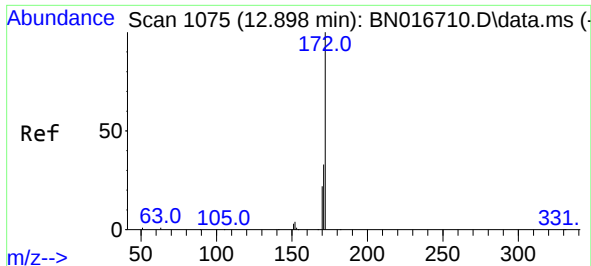
mohammad
10/7/2021 8:51:50 AM



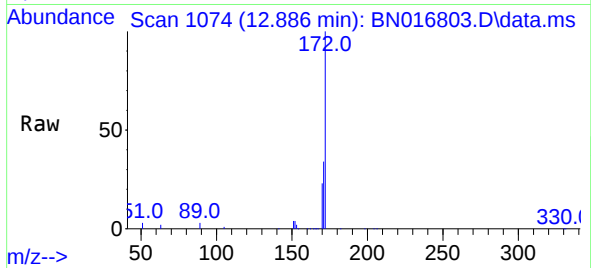
#14
2,4,6-Tribromophenol
Concen: 0.37 ng
RT: 15.766 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

Tgt Ion:	330	Resp:	7278
Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	31.7	24.2	36.2

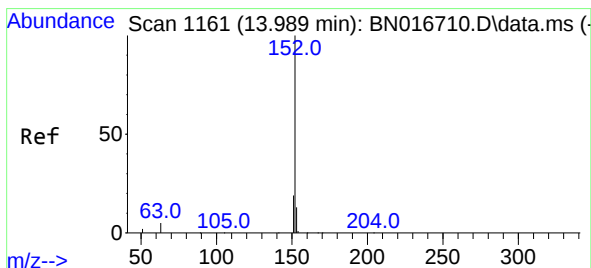
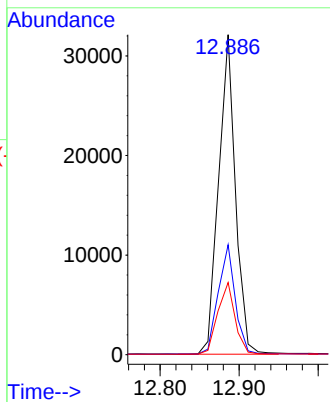
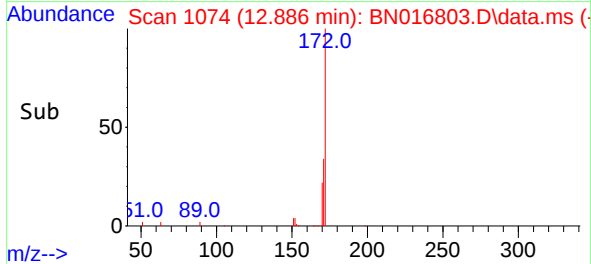




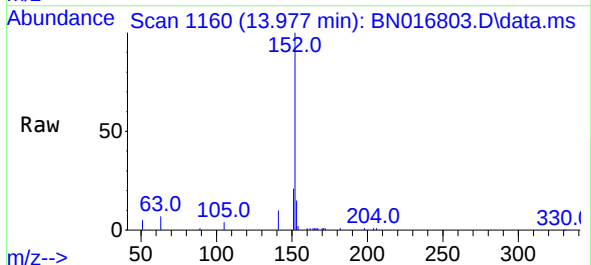
#15
2-Fluorobiphenyl
Concen: 0.24 ng
RT: 12.886 min Scan# 1074
Delta R.T. 0.000 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44



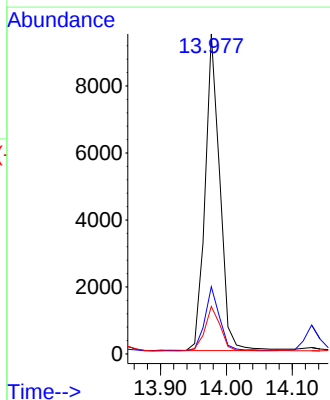
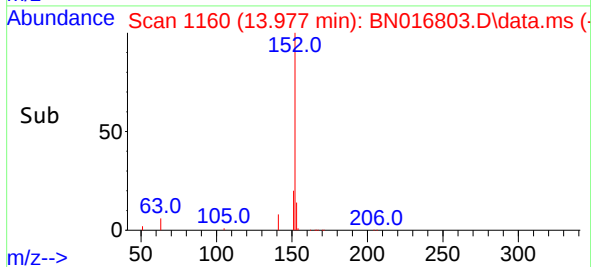
Tgt Ion:	172	Resp:	47535
Ion Ratio	Lower	Upper	
172	100		
171	34.4	26.9	40.3
170	22.6	17.4	26.0



#16
Acenaphthylene
Concen: 0.07 ng
RT: 13.977 min Scan# 1160
Delta R.T. 0.000 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44



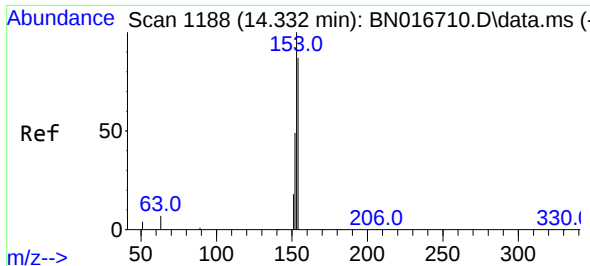
Tgt Ion:	152	Resp:	14716
Ion Ratio	Lower	Upper	
152	100		
151	20.9	15.5	23.3
153	14.8	10.4	15.6



Instrument :
BNA_N
ClientSampleId :
S-816-N-SO-1-1.5-092421

Manual Integrations
APPROVED

mohammad
10/7/2021 8:51:50 AM



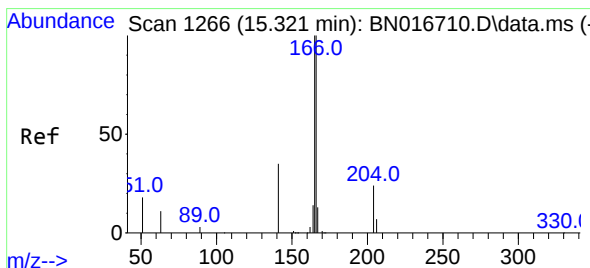
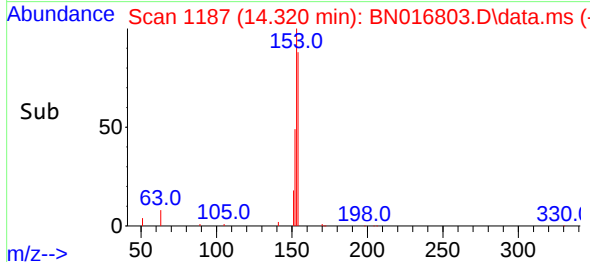
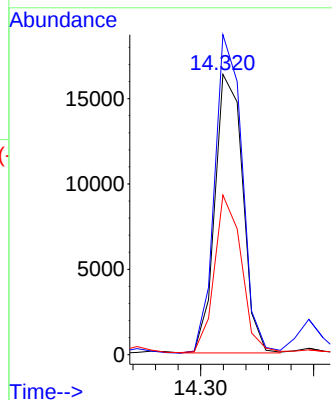
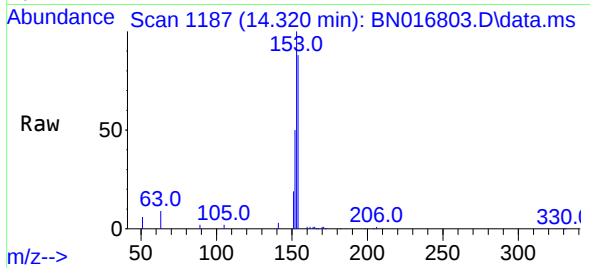
#17
Acenaphthene
Concen: 0.20 ng
RT: 14.320 min Scan# 1187
Delta R.T. -0.012 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

Tgt Ion:154 Resp: 27979
Ion Ratio Lower Upper
154 100
153 112.8 90.1 135.1
152 54.7 43.6 65.4

Instrument :
BNA_N
ClientSampleId :
S-816-N-SO-1-1.5-092421

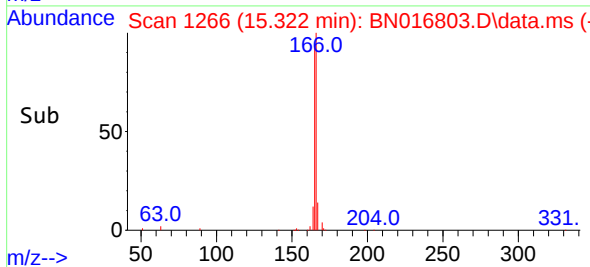
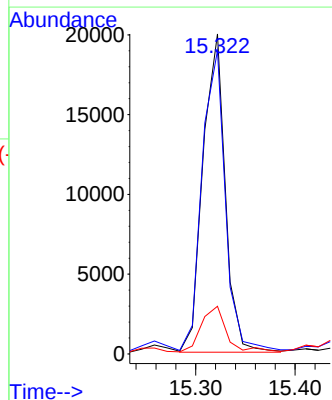
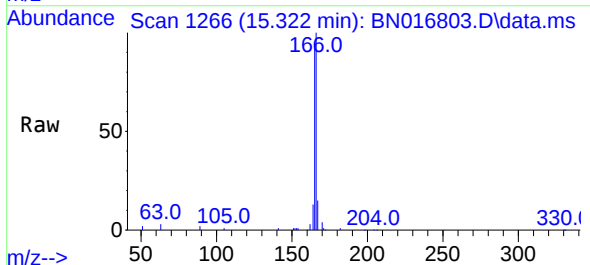
Manual Integrations
APPROVED

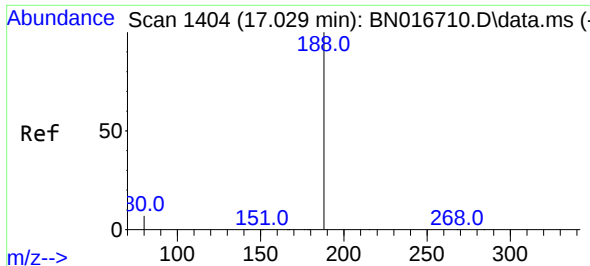
mohammad
10/7/2021 8:51:50 AM



#18
Fluorene
Concen: 0.18 ng m
RT: 15.322 min Scan# 1266
Delta R.T. 0.000 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

Tgt Ion:166 Resp: 31083
Ion Ratio Lower Upper
166 100
165 104.0 78.1 117.1
167 16.2 10.7 16.1#





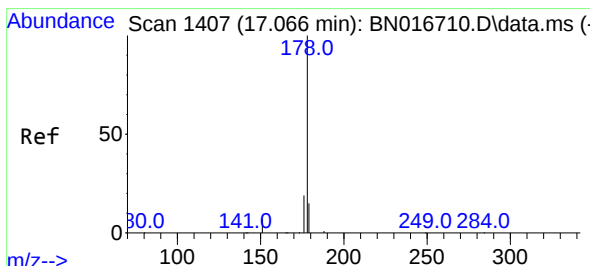
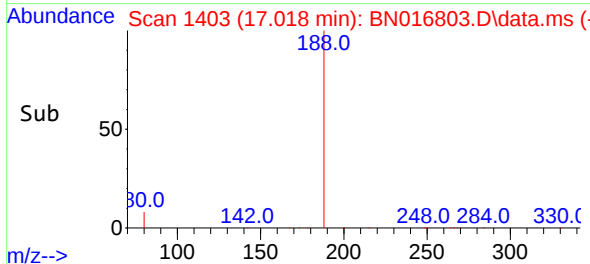
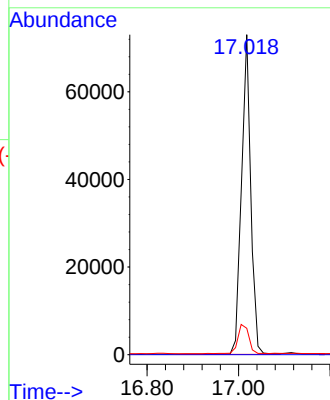
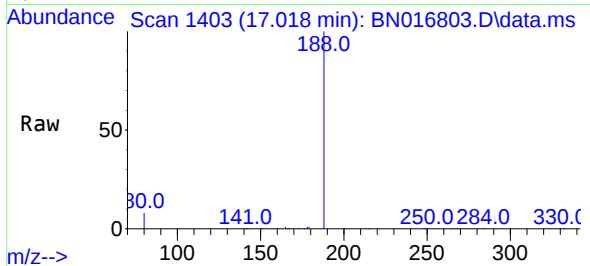
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.018 min Scan# 1403
Delta R.T. 0.000 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

Tgt Ion:188 Resp: 101689
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.3 5.8 8.8

Instrument :
BNA_N
ClientSampleId :
S-816-N-SO-1-1.5-092421

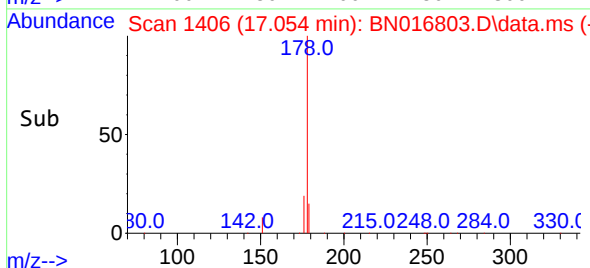
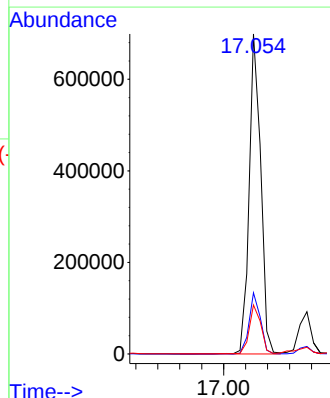
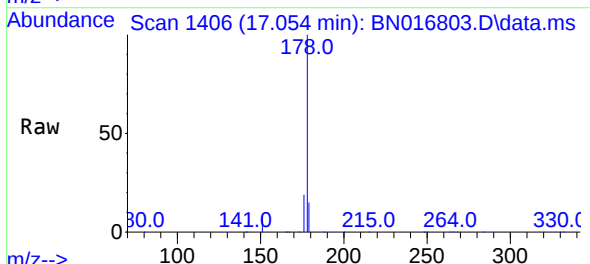
Manual Integrations
APPROVED

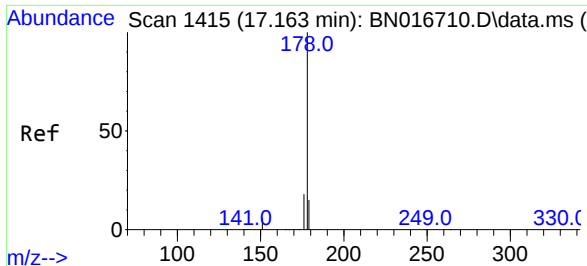
mohammad
10/7/2021 8:51:50 AM



#25
Phenanthrene
Concen: 3.41 ng
RT: 17.054 min Scan# 1406
Delta R.T. 0.000 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

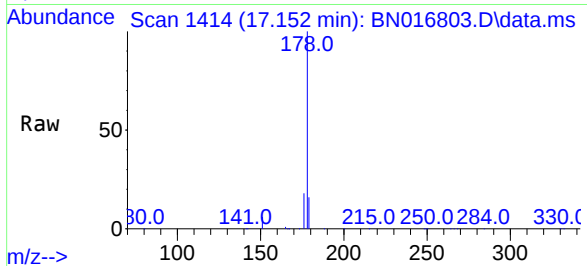
Tgt Ion:178 Resp: 1020528
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 15.5 12.4 18.6





#26
 Anthracene
 Concen: 0.51 ng
 RT: 17.152 min Scan# 1414
 Delta R.T. 0.000 min
 Lab File: BN016803.D
 Acq: 07 Oct 2021 06:44

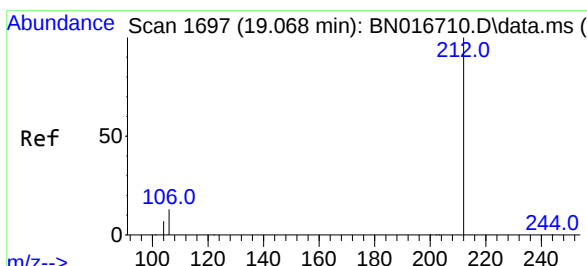
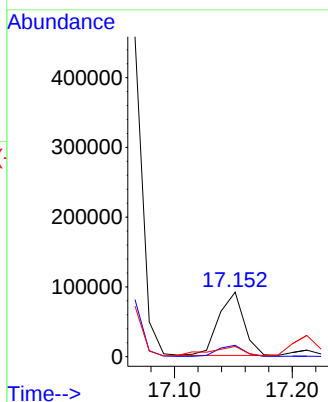
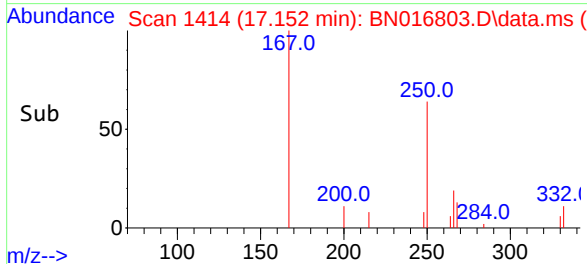
Instrument :
 BNA_N
 ClientSampleId :
 S-816-N-SO-1-1.5-092421



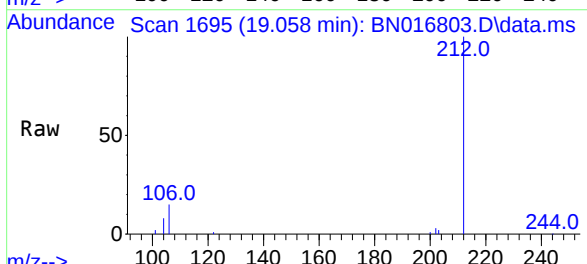
Tgt Ion:178 Resp: 135192
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.5 21.7
 179 21.3 12.2 18.4#

Manual Integrations
 APPROVED

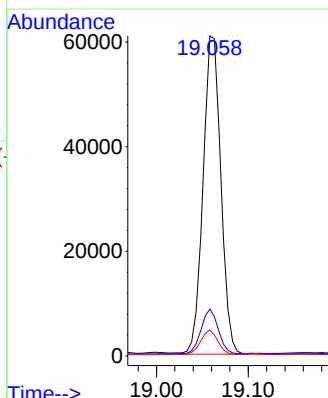
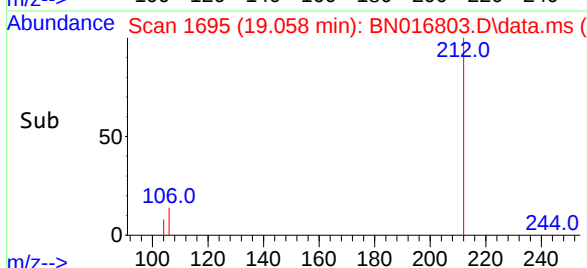
mohammad
 10/7/2021 8:51:50 AM

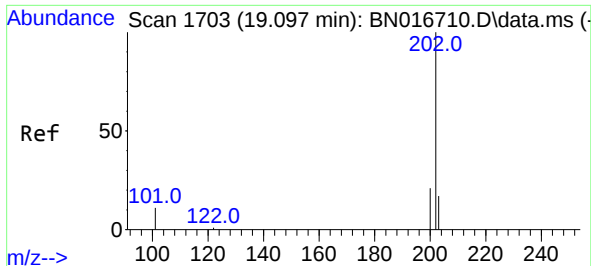


#27
 Fluoranthene-d10
 Concen: 0.29 ng
 RT: 19.058 min Scan# 1695
 Delta R.T. -0.005 min
 Lab File: BN016803.D
 Acq: 07 Oct 2021 06:44



Tgt Ion:212 Resp: 82007
 Ion Ratio Lower Upper
 212 100
 106 13.8 10.6 16.0
 104 7.6 5.8 8.8





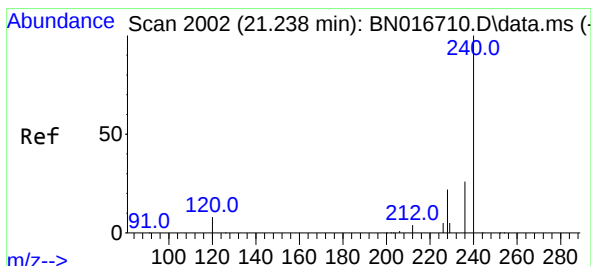
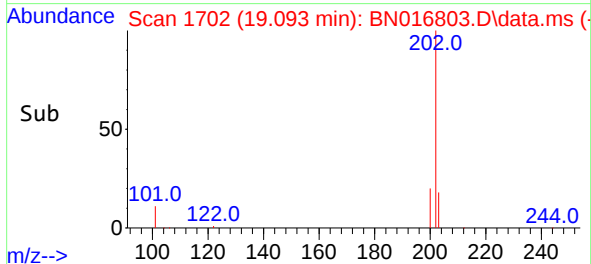
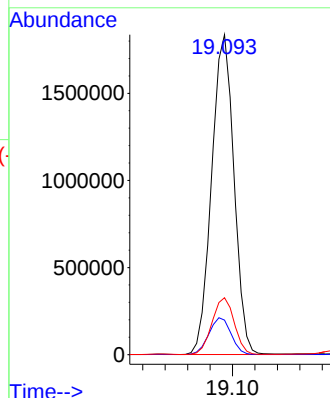
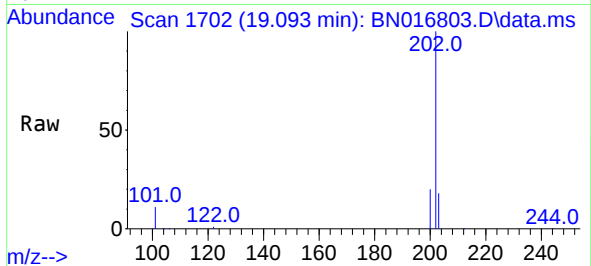
#28
Fluoranthene
Concen: 7.65 ng
RT: 19.093 min Scan# 1702
Delta R.T. 0.000 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

Tgt Ion:202 Resp: 2538129
Ion Ratio Lower Upper
202 100
101 11.5 8.9 13.3
203 17.7 13.8 20.8

Instrument :
BNA_N
ClientSampleId :
S-816-N-SO-1-1.5-092421

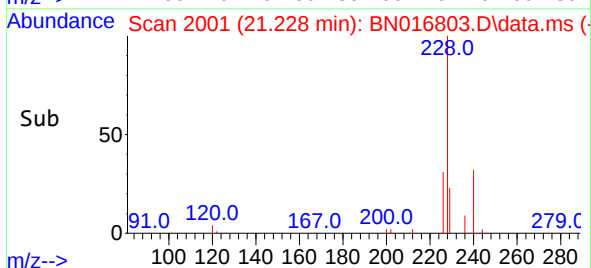
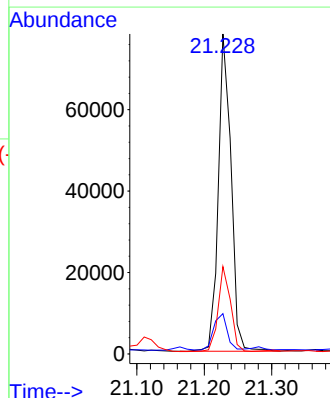
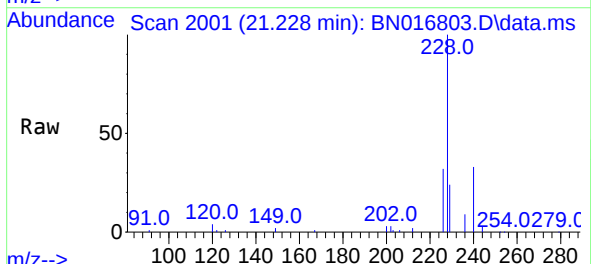
Manual Integrations
APPROVED

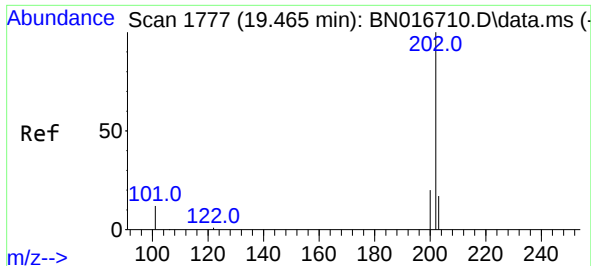
mohammad
10/7/2021 8:51:50 AM



#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.228 min Scan# 2001
Delta R.T. 0.000 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

Tgt Ion:240 Resp: 102215
Ion Ratio Lower Upper
240 100
120 12.6 6.6 10.0#
236 27.3 20.7 31.1





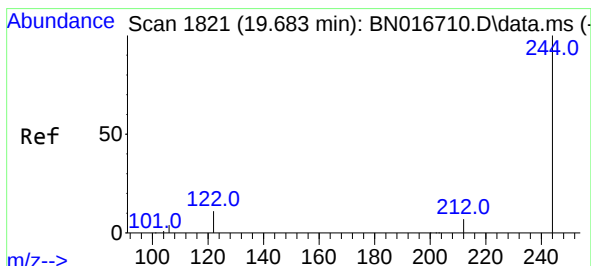
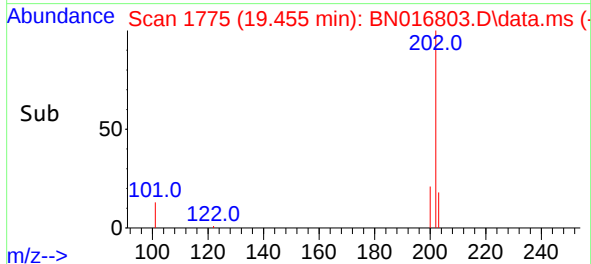
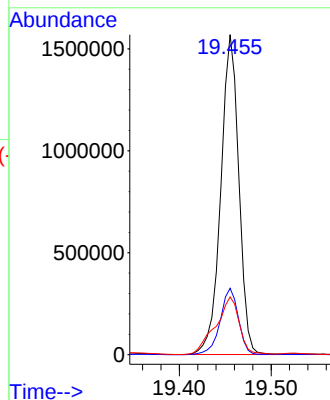
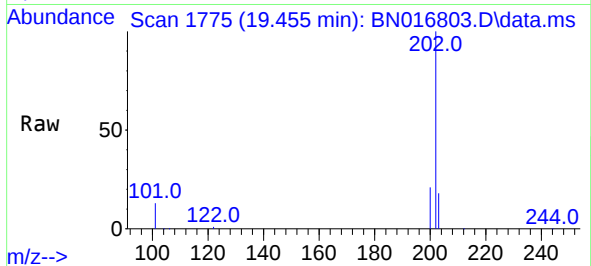
#30
Pyrene
Concen: 6.39 ng
RT: 19.455 min Scan# 1775
Delta R.T. 0.000 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

Tgt Ion:202 Resp: 2147953
Ion Ratio Lower Upper
202 100
200 20.9 16.5 24.7
203 23.5 13.9 20.9#

Instrument :
BNA_N
ClientSampleId :
S-816-N-SO-1-1.5-092421

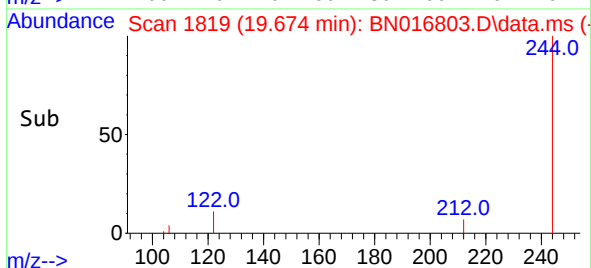
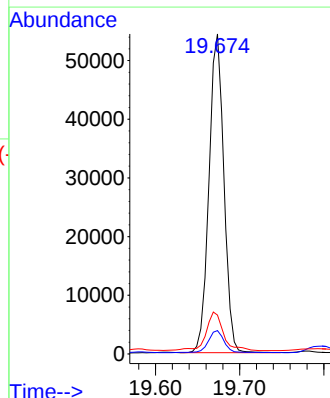
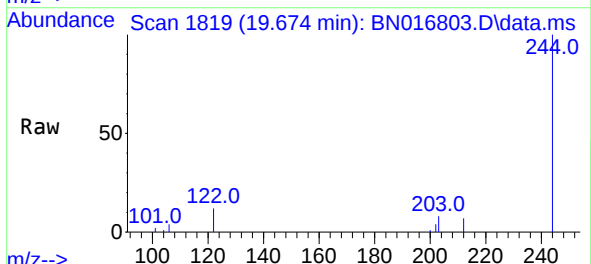
Manual Integrations
APPROVED

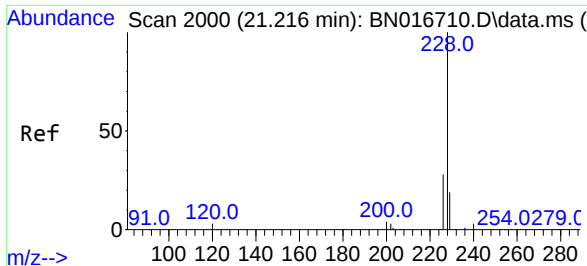
mohammad
10/7/2021 8:51:50 AM



#31
Terphenyl-d14
Concen: 0.29 ng
RT: 19.674 min Scan# 1819
Delta R.T. 0.000 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

Tgt Ion:244 Resp: 66938
Ion Ratio Lower Upper
244 100
212 7.3 5.8 8.6
122 12.1 8.9 13.3





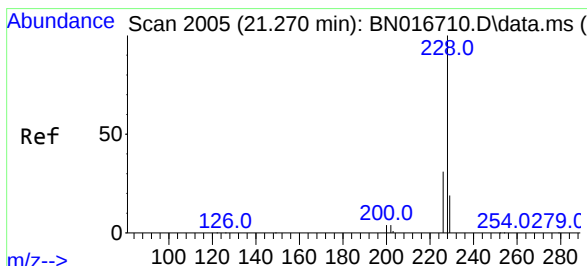
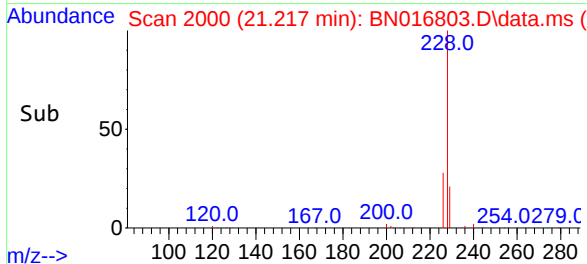
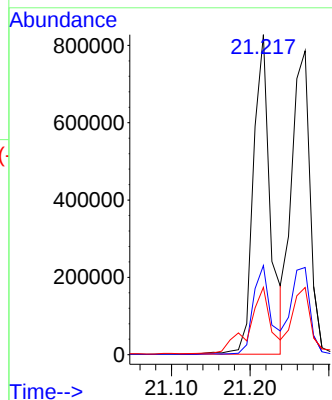
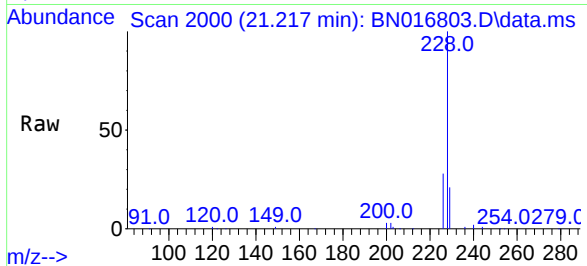
#32
Benzo(a)anthracene
Concen: 3.90 ng
RT: 21.217 min Scan# 2000
Delta R.T. 0.000 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

Tgt Ion:228 Resp: 1236974
Ion Ratio Lower Upper
228 100
226 27.9 22.3 33.5
229 21.1 15.4 23.0

Instrument :
BNA_N
ClientSampleId :
S-816-N-SO-1-1.5-092421

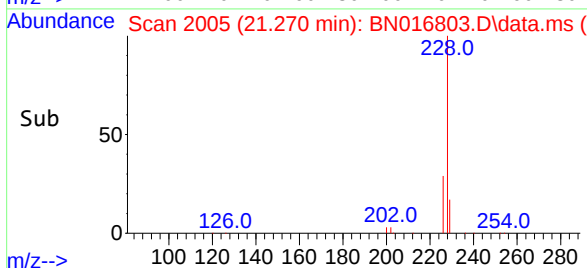
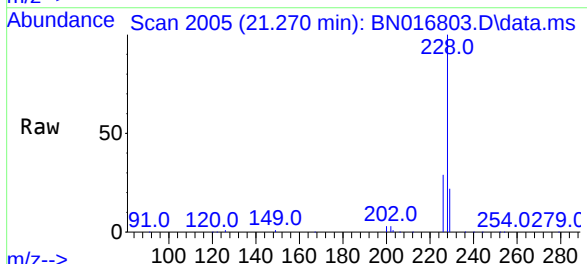
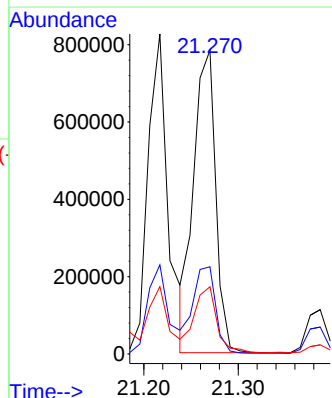
Manual Integrations
APPROVED

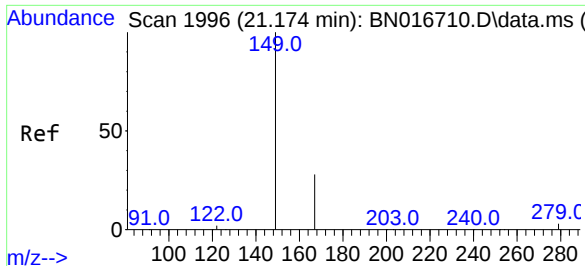
mohammad
10/7/2021 8:51:50 AM



#33
Chrysene
Concen: 3.95 ng
RT: 21.270 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

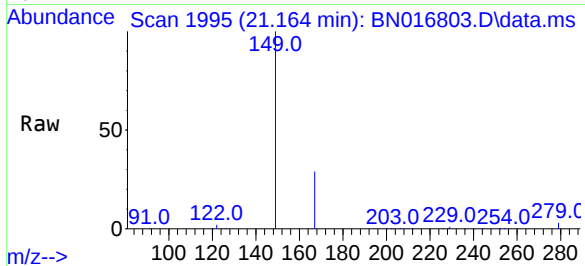
Tgt Ion:228 Resp: 1268806
Ion Ratio Lower Upper
228 100
226 28.7 24.2 36.4
229 22.1 15.4 23.0





#34
Bis(2-ethylhexyl)phthalate
Concen: 9.81 ng
RT: 21.164 min Scan# 1995
Delta R.T. 0.000 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

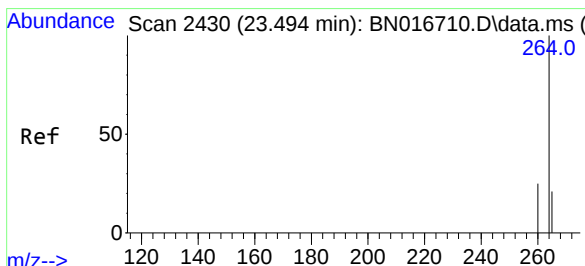
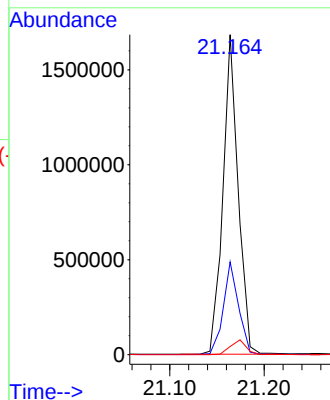
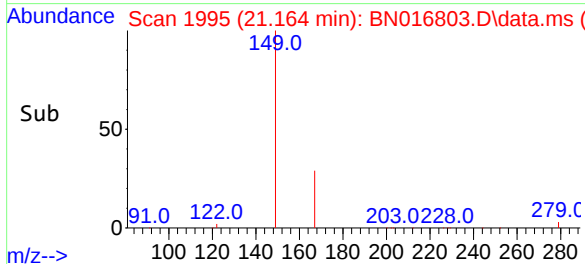
Instrument :
BNA_N
ClientSampleId :
S-816-N-SO-1-1.5-092421



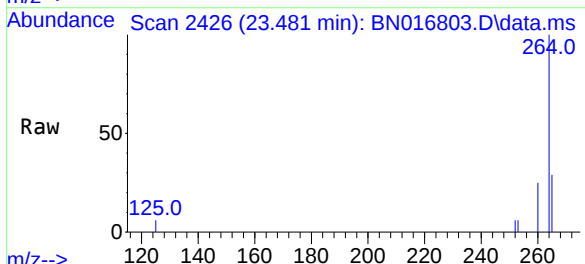
Tgt Ion:149 Resp: 1886429
Ion Ratio Lower Upper
149 100
167 28.9 22.2 33.4
279 4.7 3.4 5.2

Manual Integrations
APPROVED

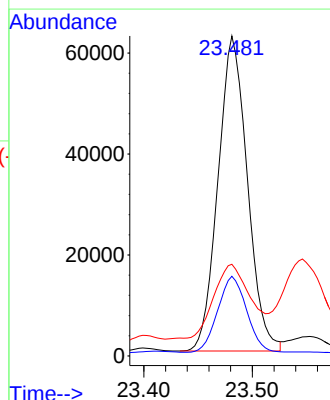
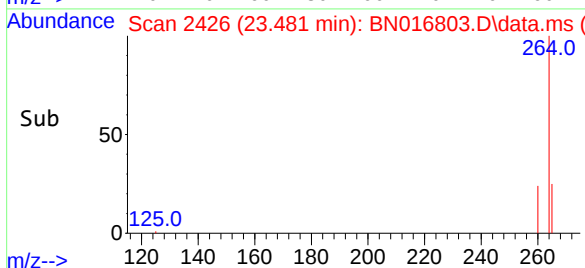
mohammad
10/7/2021 8:51:50 AM

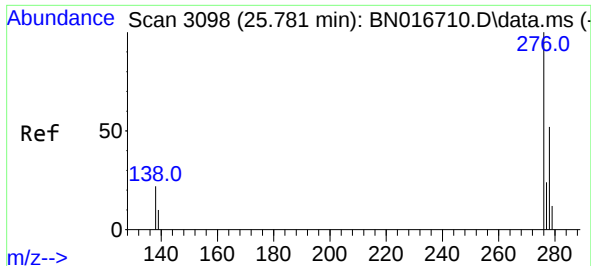


#35
Perylene-d12
Concen: 0.40 ng
RT: 23.481 min Scan# 2426
Delta R.T. 0.000 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44



Tgt Ion:264 Resp: 117406
Ion Ratio Lower Upper
264 100
260 24.9 19.8 29.6
265 28.6 20.3 30.5





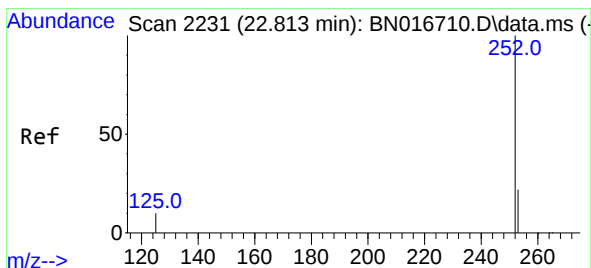
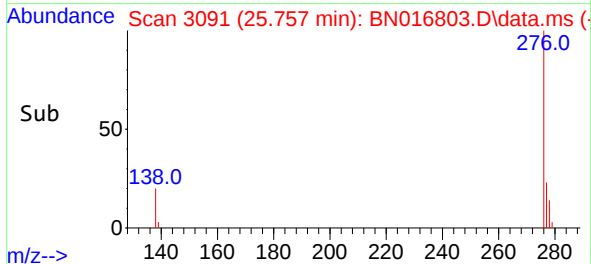
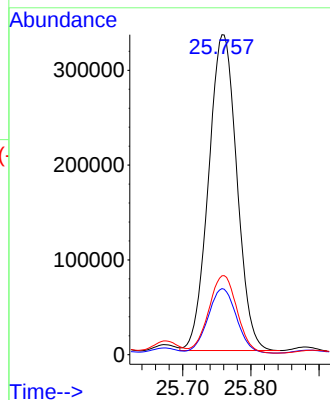
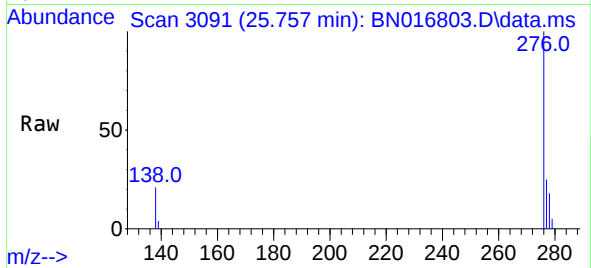
#36
Indeno(1,2,3-cd)pyrene
Concen: 2.58 ng
RT: 25.757 min Scan# 3091
Delta R.T. 0.004 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

Tgt Ion: 276 Resp: 962422
Ion Ratio Lower Upper
276 100
138 20.6 19.2 28.8
277 24.7 20.0 30.0

Instrument :
BNA_N
ClientSampleId :
S-816-N-SO-1-1.5-092421

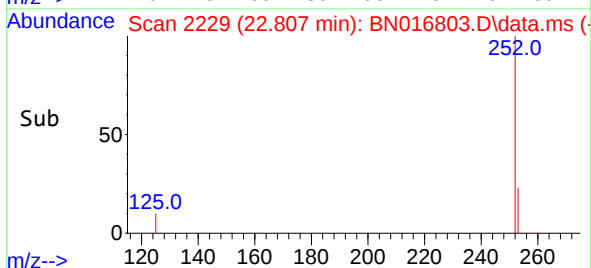
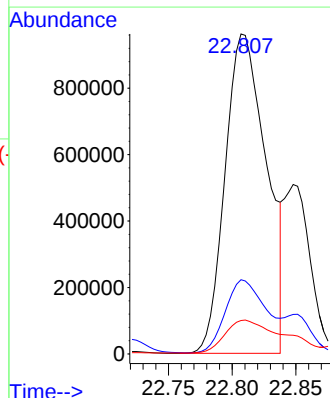
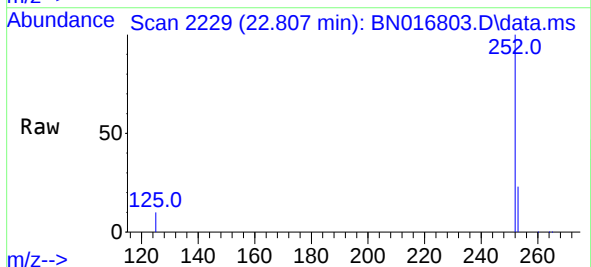
Manual Integrations
APPROVED

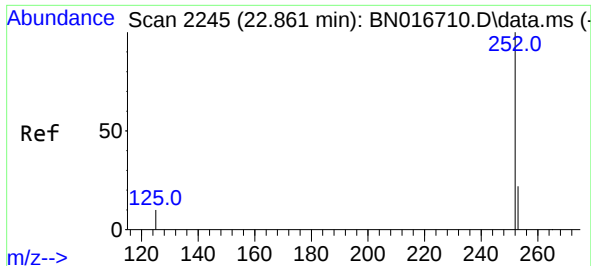
mohammad
10/7/2021 8:51:50 AM



#37
Benzo(b)fluoranthene
Concen: 5.72 ng
RT: 22.807 min Scan# 2229
Delta R.T. 0.004 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

Tgt Ion: 252 Resp: 2170490
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.8
125 10.5 8.3 12.5





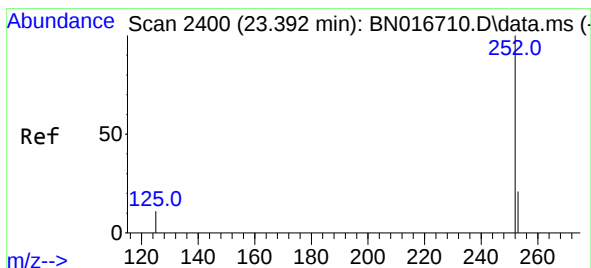
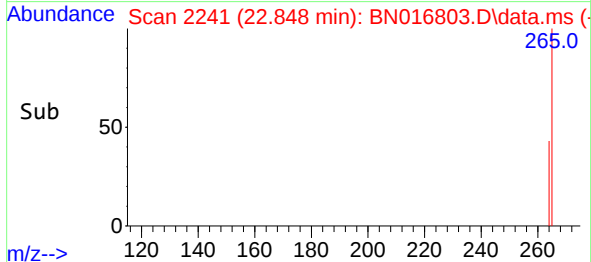
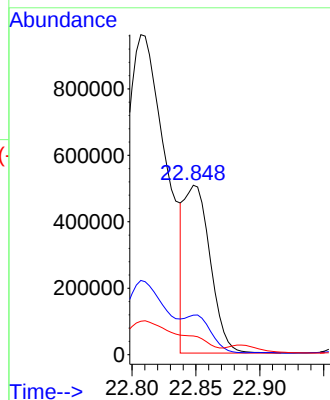
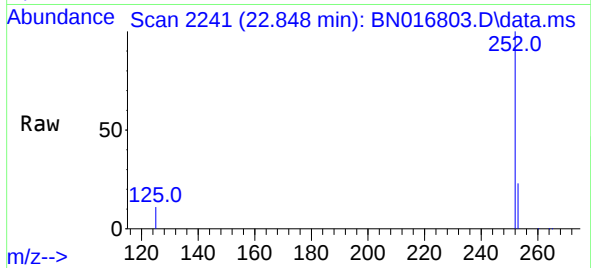
#38
Benzo(k)fluoranthene
Concen: 1.96 ng m
RT: 22.848 min Scan# 2241
Delta R.T. 0.000 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

Tgt Ion:252 Resp: 715807
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 11.1 8.5 12.7

Instrument :
BNA_N
ClientSampleId :
S-816-N-SO-1-1.5-092421

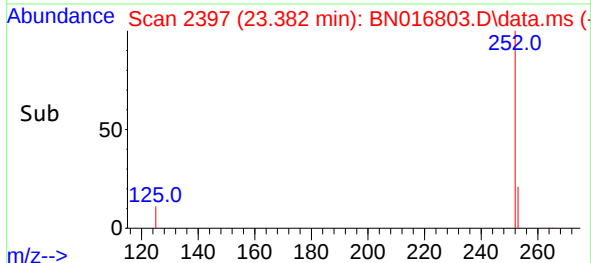
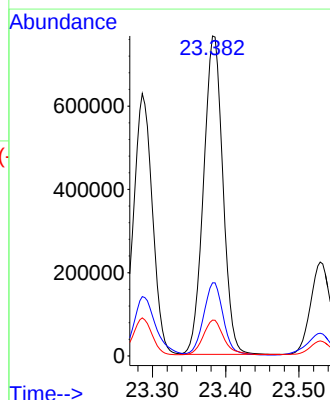
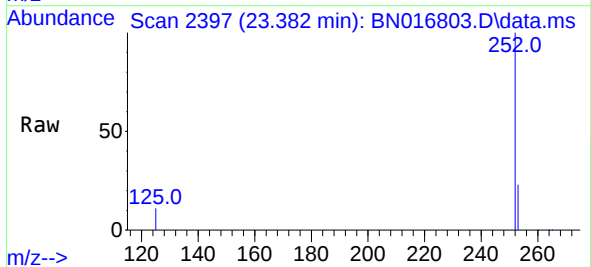
Manual Integrations
APPROVED

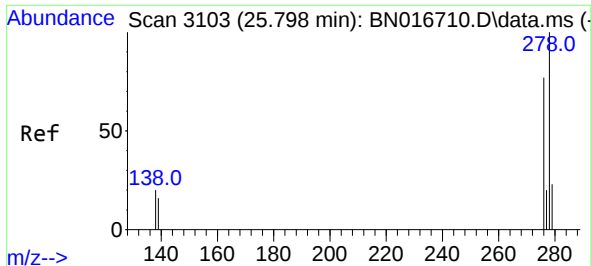
mohammad
10/7/2021 8:51:50 AM



#39
Benzo(a)pyrene
Concen: 4.12 ng
RT: 23.382 min Scan# 2397
Delta R.T. 0.000 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

Tgt Ion:252 Resp: 1397915
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 11.2 9.4 14.2





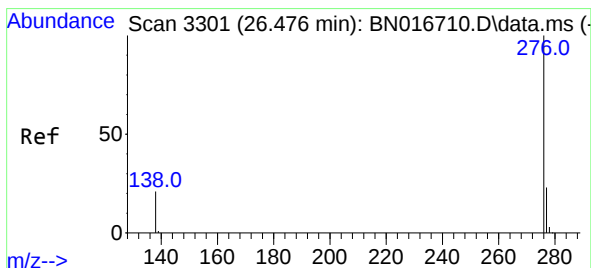
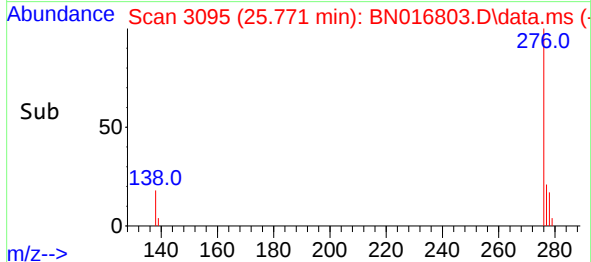
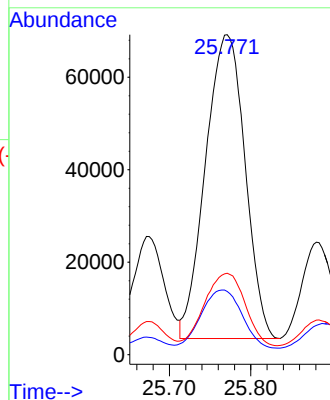
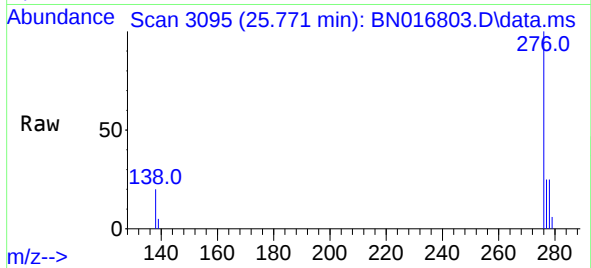
#40
Dibenzo(a,h)anthracene
Concen: 0.75 ng
RT: 25.771 min Scan# 3095
Delta R.T. -0.007 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

Tgt Ion:278 Resp: 221428
Ion Ratio Lower Upper
278 100
139 19.7 13.1 19.7#
279 25.5 19.3 28.9

Instrument :
BNA_N
ClientSampleId :
S-816-N-SO-1-1.5-092421

Manual Integrations
APPROVED

mohammad
10/7/2021 8:51:50 AM



#41
Benzo(g,h,i)perylene
Concen: 2.71 ng
RT: 26.456 min Scan# 3295
Delta R.T. 0.004 min
Lab File: BN016803.D
Acq: 07 Oct 2021 06:44

Tgt Ion:276 Resp: 895437
Ion Ratio Lower Upper
276 100
277 24.1 19.0 28.4
138 21.0 17.0 25.6

