

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100121\
 Data File : BN016702.D
 Acq On : 03 Oct 2021 11:12
 Operator : CG/JU
 Sample : M3892-14
 Misc :
 ALS Vial : 70 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-826-N-SO-1-1.5-092221

Manual Integrations
 APPROVED

mohammad
 10/4/2021 11:49:35 AM

Quant Time: Oct 04 03:38:21 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 01 13:35:26 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.642	152	27384	0.40	ng	0.00
7) Naphthalene-d8	10.406	136	123602	0.40	ng	0.00
13) Acenaphthene-d10	14.269	164	71316	0.40	ng	0.00
19) Phenanthrene-d10	17.030	188	137150	0.40	ng	0.00
29) Chrysene-d12	21.238	240	133653	0.40	ng	# 0.00
35) Perylene-d12	23.495	264	90683	0.40	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.282	112	25064	0.36	ng	0.03
5) Phenol-d6	6.831	99	25557	0.33	ng	0.00
8) Nitrobenzene-d5	8.784	82	31682	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	12.003	152	63898	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.766	330	14650	0.45	ng	0.00
15) 2-Fluorobiphenyl	12.886	172	78425	0.27	ng	-0.01
27) Fluoranthene-d10	19.068	212	106614	0.29	ng	0.00
31) Terphenyl-d14	19.678	244	80575	0.28	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.457	128	11771	0.04	ng	# 93
12) 2-Methylnaphthalene	12.078	142	10908	0.05	ng	98
16) Acenaphthylene	13.989	152	17387	0.06	ng	# 96
17) Acenaphthene	14.332	154	4240	0.02	ng	# 74
18) Fluorene	15.322	166	6376	0.03	ng	# 97
25) Phenanthrene	17.066	178	100252m	0.24	ng	
26) Anthracene	17.151	178	24900	0.07	ng	# 80
28) Fluoranthene	19.097	202	242275	0.54	ng	99
30) Pyrene	19.460	202	230929	0.53	ng	# 95
32) Benzo(a)anthracene	21.217	228	136403	0.33	ng	96
33) Chrysene	21.270	228	150061	0.36	ng	96
34) Bis(2-ethylhexyl)phtha...	21.174	149	36122	0.22	ng	# 93
36) Indeno(1,2,3-cd)pyrene	25.778	276	37940	0.12	ng	# 82
37) Benzo(b)fluoranthene	22.817	252	152145	0.52	ng	# 86
38) Benzo(k)fluoranthene	22.858	252	64684m	0.22	ng	
39) Benzo(a)pyrene	23.392	252	90884	0.35	ng	# 84
40) Dibenzo(a,h)anthracene	25.798	278	13129	0.05	ng	# 27
41) Benzo(g,h,i)perylene	26.476	276	31061	0.11	ng	# 80

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

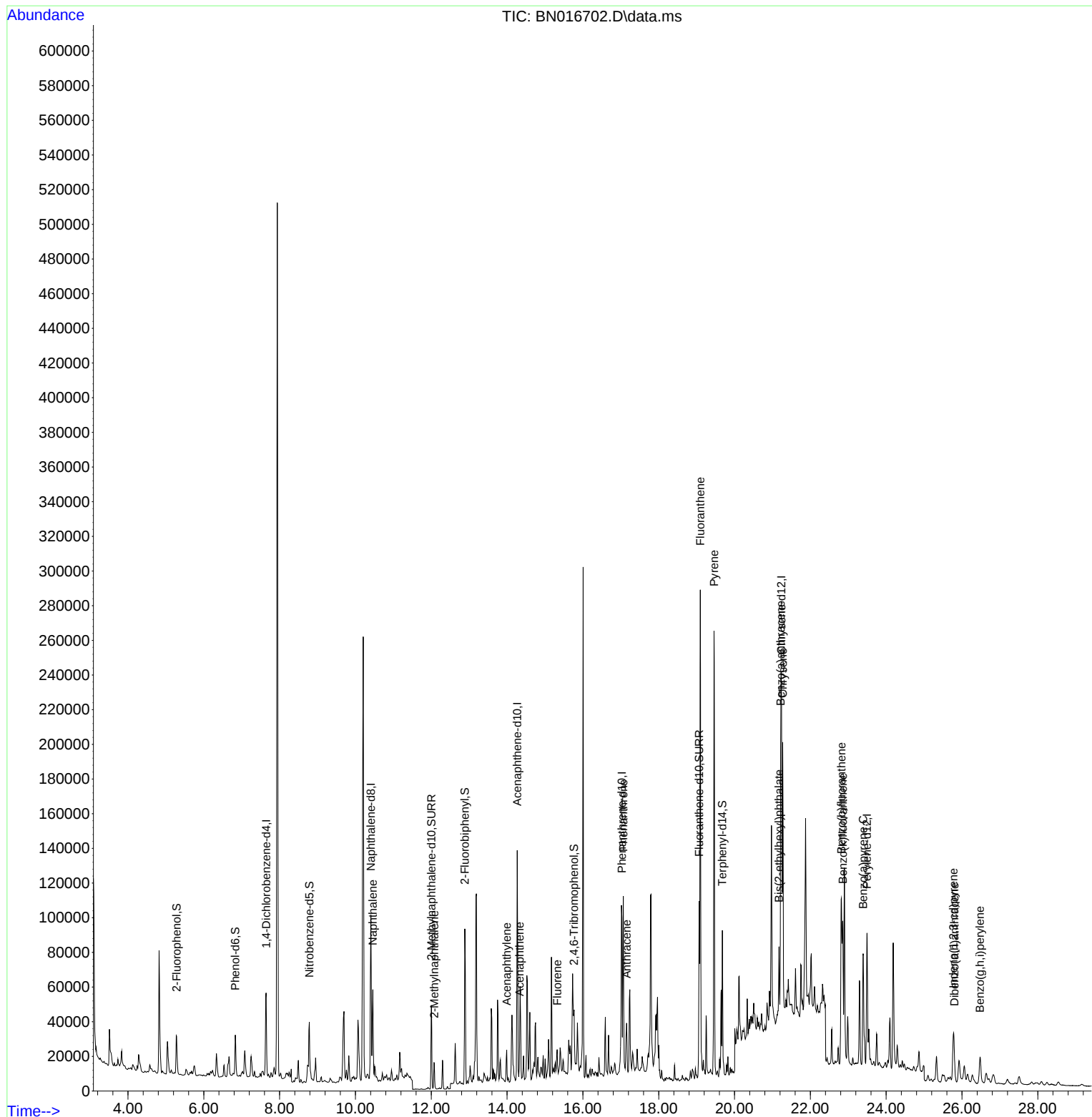
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100121\
Data File : BN016702.D
Acq On : 03 Oct 2021 11:12
Operator : CG/JU
Sample : M3892-14
Misc :
ALS Vial : 70 Sample Multiplier: 1

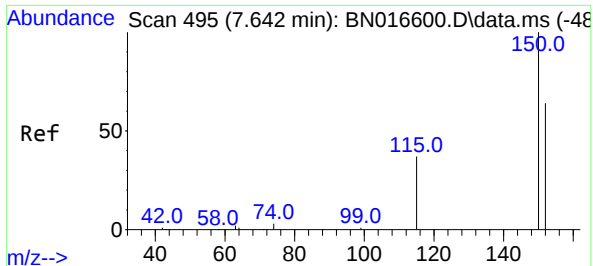
Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-1-1.5-092221

Manual Integrations
APPROVED

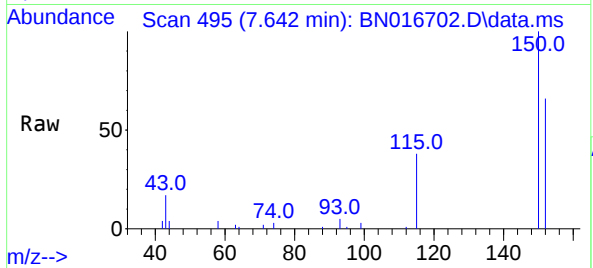
mohammad
10/4/2021 11:49:35 AM

Quant Time: Oct 04 03:38:21 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 01 13:35:26 2021
Response via : Initial Calibration

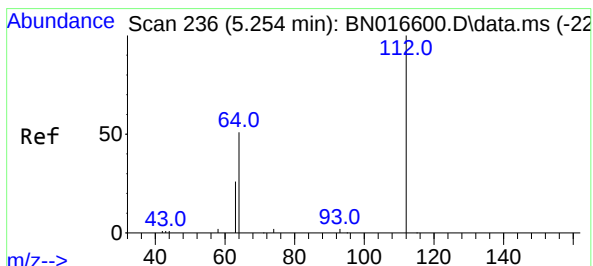
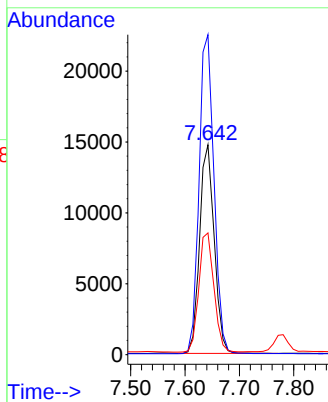
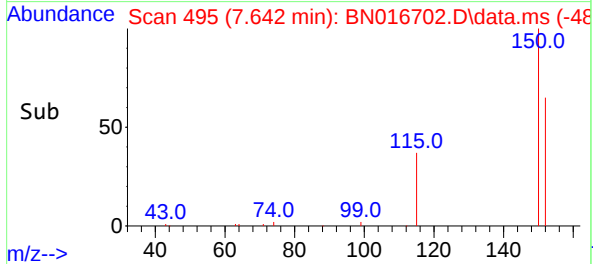




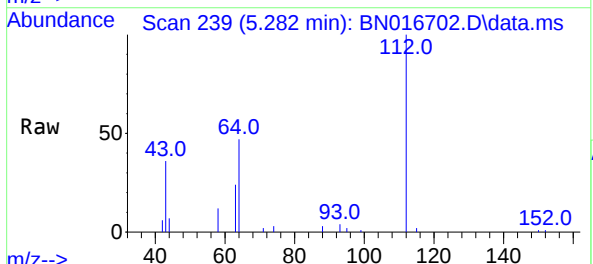
#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.642 min Scan# 495
Delta R.T. 0.000 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12



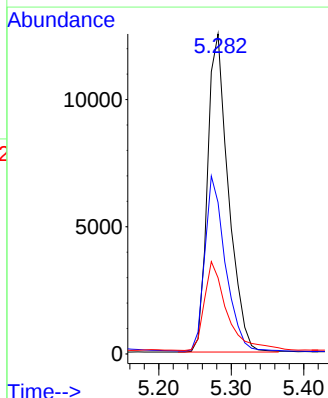
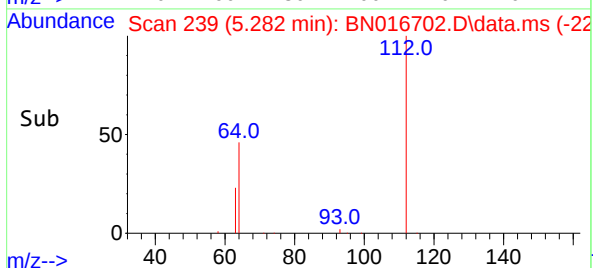
Tgt Ion:152 Resp: 27384
Ion Ratio Lower Upper
152 100
150 152.5 124.6 186.8
115 58.0 46.5 69.7



#4
2-Fluorophenol
Concen: 0.36 ng
RT: 5.282 min Scan# 239
Delta R.T. 0.028 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12



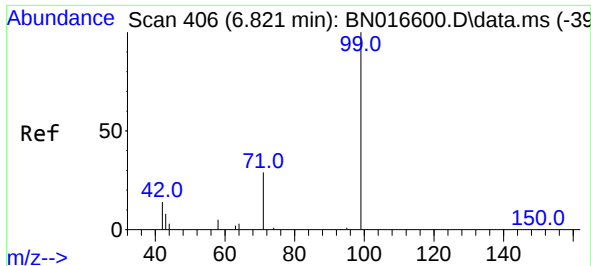
Tgt Ion:112 Resp: 25064
Ion Ratio Lower Upper
112 100
64 53.9 43.1 64.7
63 29.6 21.6 32.4



Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-1-1.5-092221

Manual Integrations
APPROVED

mohammad
10/4/2021 11:49:35 AM



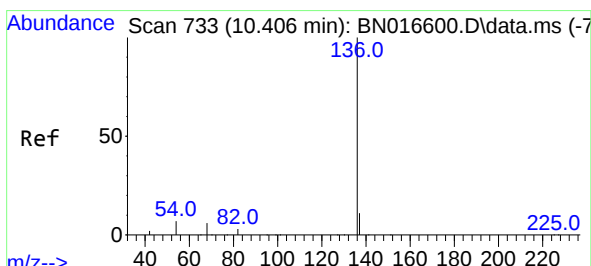
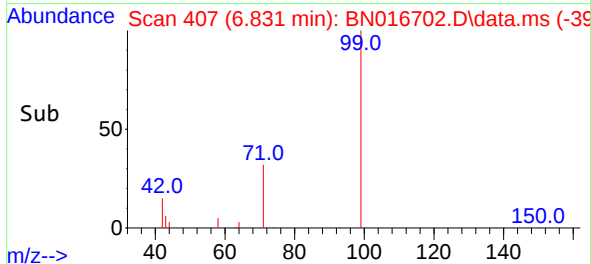
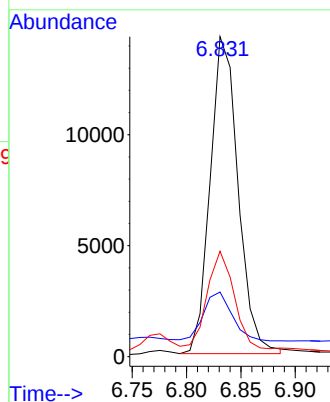
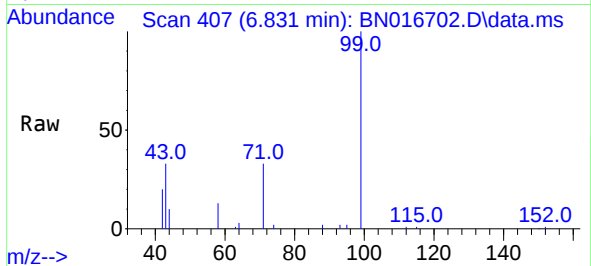
#5
Phenol-d6
Concen: 0.33 ng
RT: 6.831 min Scan# 407
Delta R.T. 0.009 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

Tgt Ion:	99	Resp:	25557
Ion	Ratio	Lower	Upper
99	100		
42	15.7	13.0	19.6
71	29.7	23.5	35.3

Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-1-1.5-092221

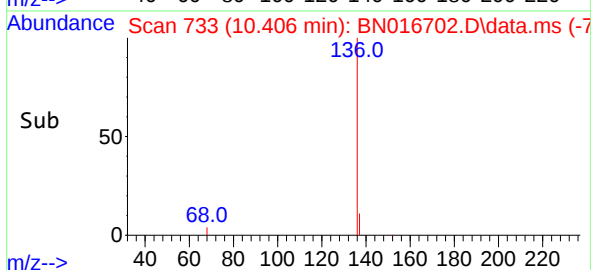
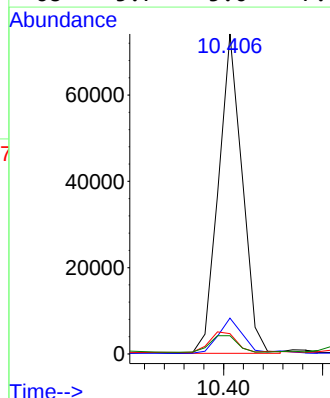
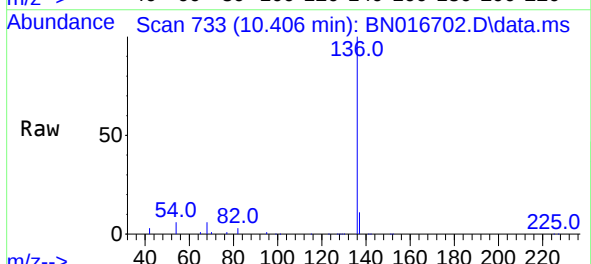
Manual Integrations
APPROVED

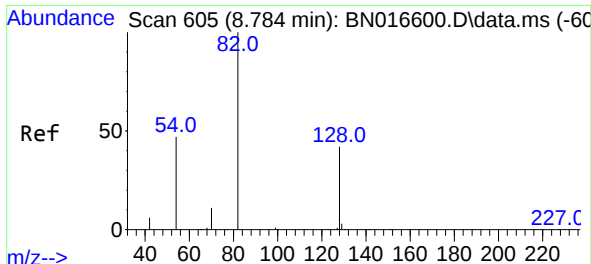
mohammad
10/4/2021 11:49:35 AM



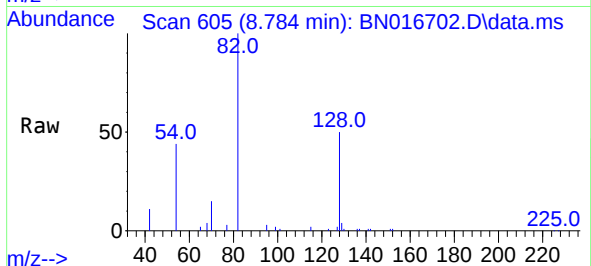
#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.406 min Scan# 733
Delta R.T. 0.000 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

Tgt Ion:	136	Resp:	123602
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	6.4	5.9	8.9
68	5.7	5.0	7.6



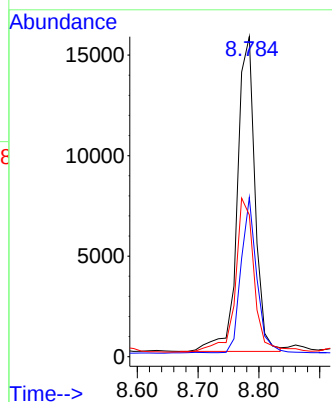


#8
Nitrobenzene-d5
Concen: 0.39 ng
RT: 8.784 min Scan# 605
Delta R.T. 0.000 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12



Tgt Ion: 82 Resp: 31682

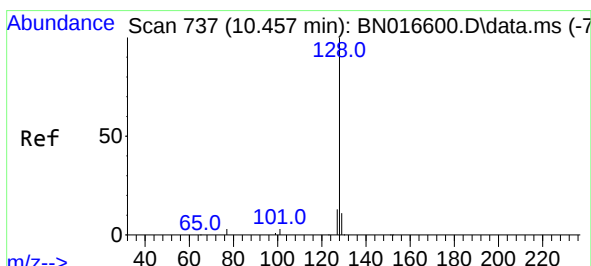
Ion	Ratio	Lower	Upper
82	100		
128	49.7	33.6	50.4
54	44.3	37.6	56.4



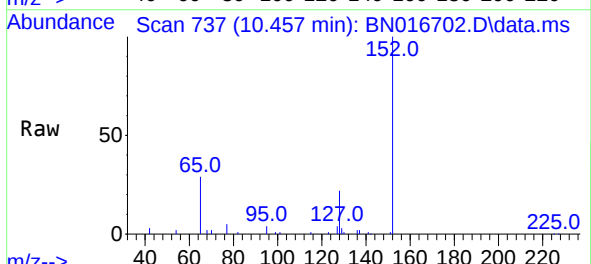
Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-1-1.5-092221

Manual Integrations
APPROVED

mohammad
10/4/2021 11:49:35 AM

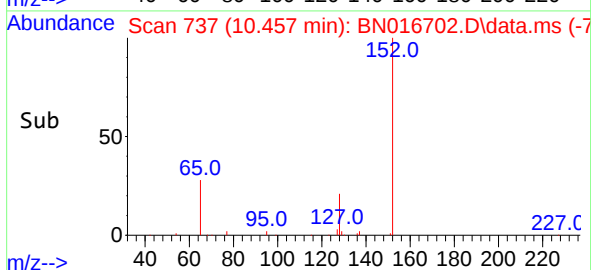
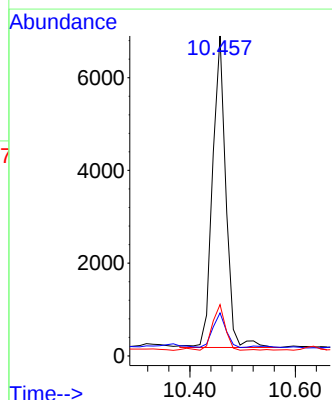


#9
Naphthalene
Concen: 0.04 ng
RT: 10.457 min Scan# 737
Delta R.T. 0.000 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12



Tgt Ion: 128 Resp: 11771

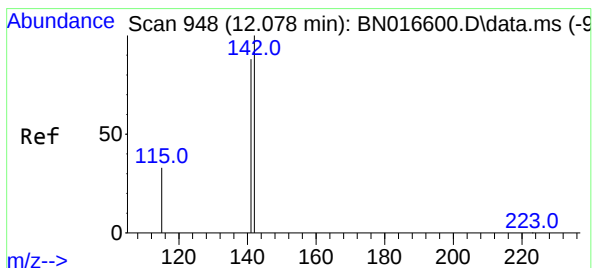
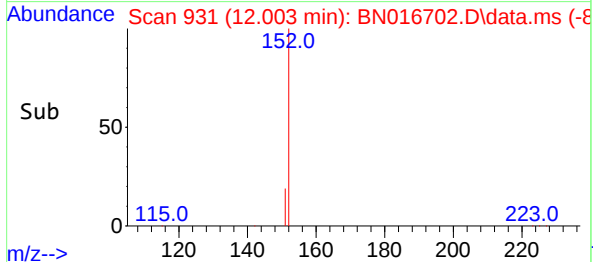
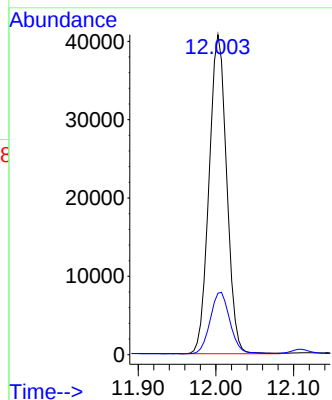
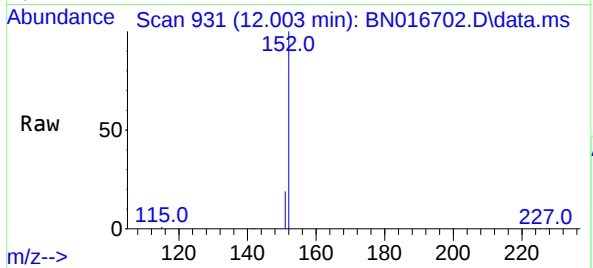
Ion	Ratio	Lower	Upper
128	100		
129	13.5	8.8	13.2#
127	16.1	10.3	15.5#





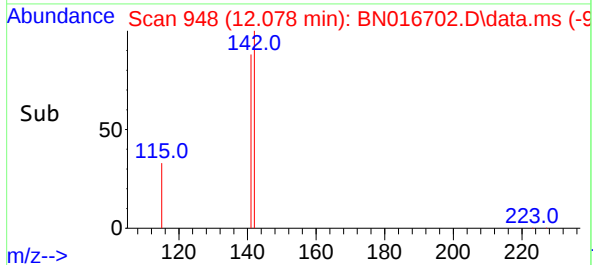
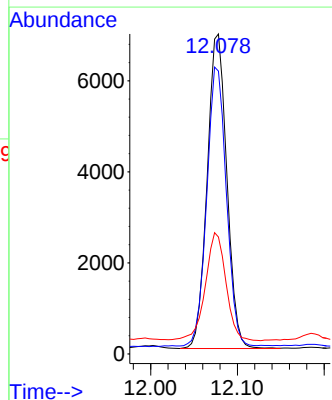
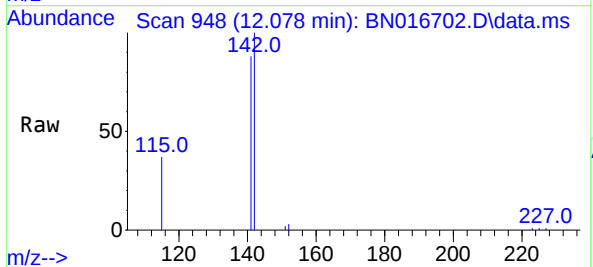
#11
2-Methylnaphthalene-d10
Concen: 0.35 ng
RT: 12.003 min Scan# 931
Delta R.T. -0.004 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

Tgt Ion:152 Resp: 63898
Ion Ratio Lower Upper
152 100
151 21.6 16.2 24.4



#12
2-Methylnaphthalene
Concen: 0.05 ng
RT: 12.078 min Scan# 948
Delta R.T. 0.000 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

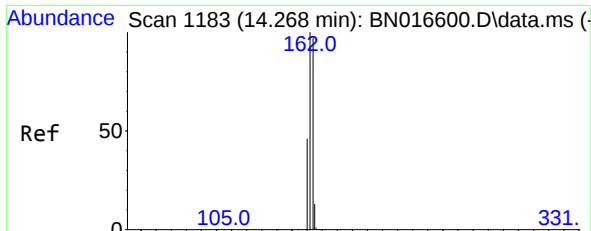
Tgt Ion:142 Resp: 10908
Ion Ratio Lower Upper
142 100
141 88.4 70.6 105.8
115 36.5 26.6 39.8



Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-1-1.5-092221

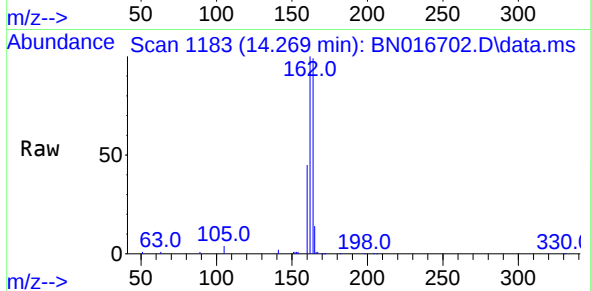
Manual Integrations
APPROVED

mohammad
10/4/2021 11:49:35 AM



#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.269 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

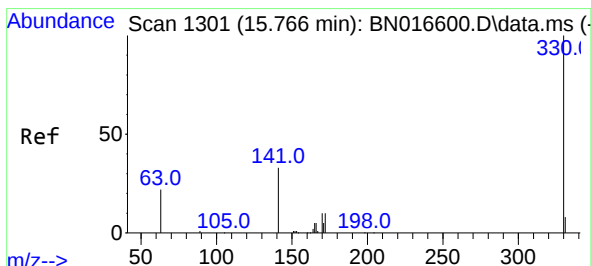
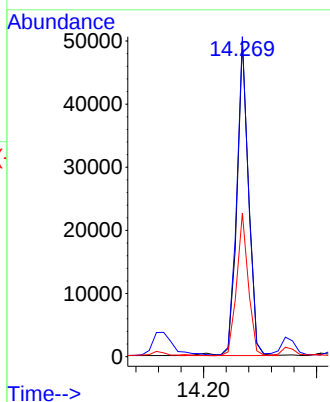
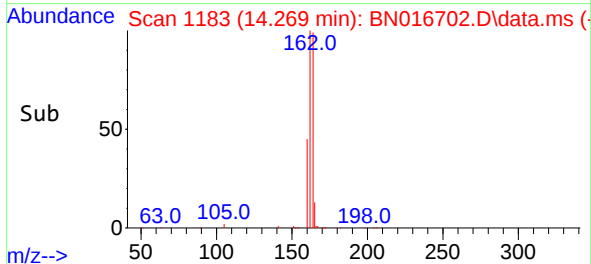
Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-1-1.5-092221



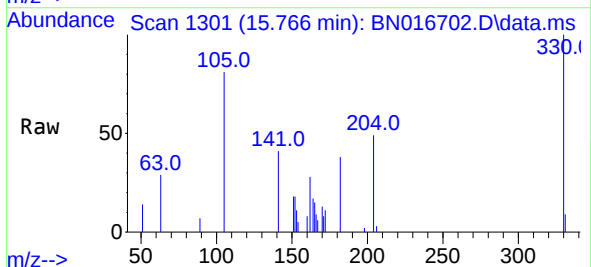
Tgt Ion:164 Resp: 71316
Ion Ratio Lower Upper
164 100
162 101.3 82.2 123.2
160 45.5 37.7 56.5

Manual Integrations
APPROVED

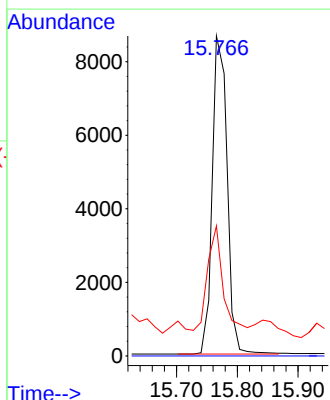
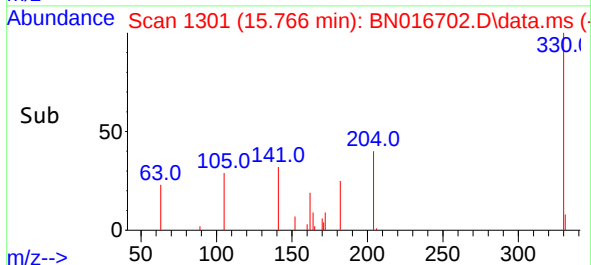
mohammad
10/4/2021 11:49:35 AM

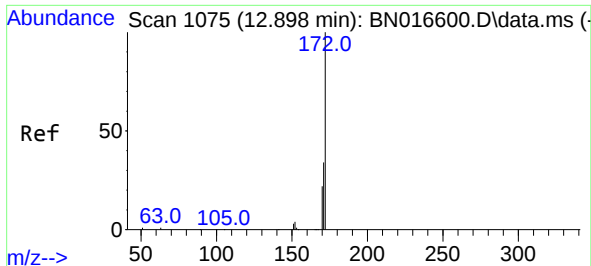


#14
2,4,6-Tribromophenol
Concen: 0.45 ng
RT: 15.766 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

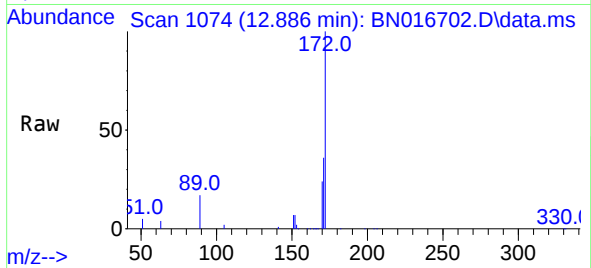


Tgt Ion:330 Resp: 14650
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 33.0 25.2 37.8

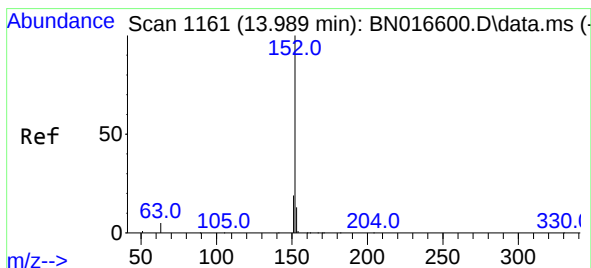
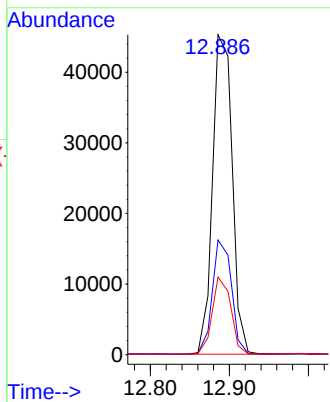
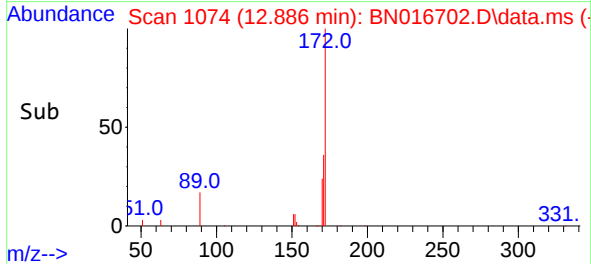




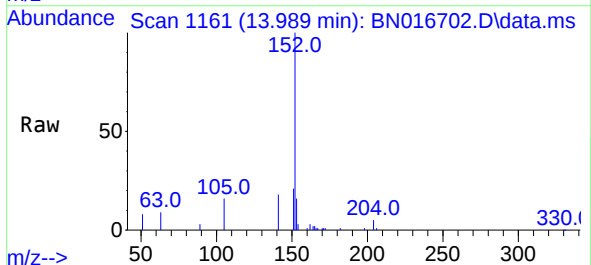
#15
2-Fluorobiphenyl
Concen: 0.27 ng
RT: 12.886 min Scan# 1074
Delta R.T. -0.013 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12



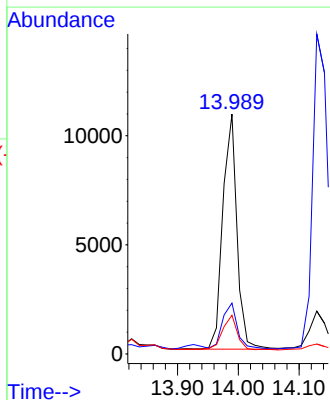
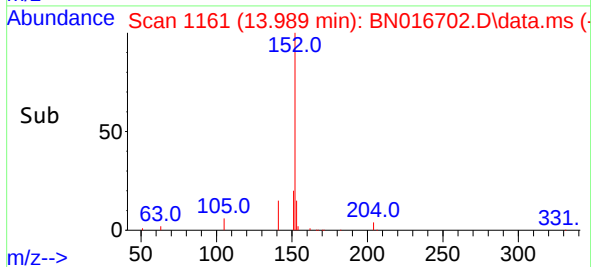
Tgt Ion:172 Resp: 78425
Ion Ratio Lower Upper
172 100
171 35.9 27.0 40.4
170 24.2 17.4 26.2



#16
Acenaphthylene
Concen: 0.06 ng
RT: 13.989 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12



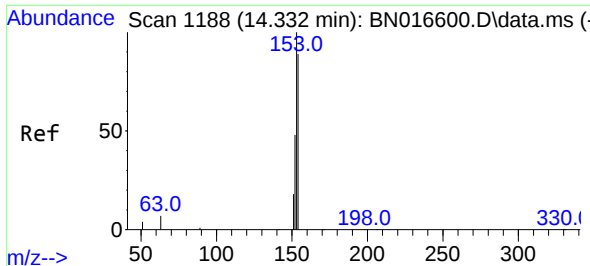
Tgt Ion:152 Resp: 17387
Ion Ratio Lower Upper
152 100
151 20.4 15.5 23.3
153 15.6 10.4 15.6#



Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-1-1.5-092221

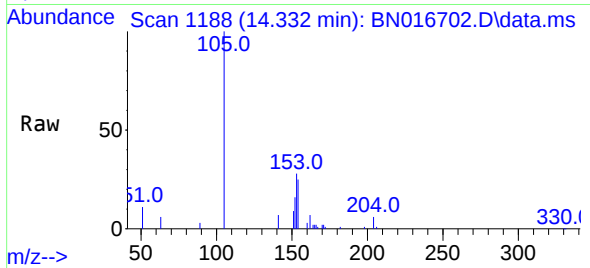
Manual Integrations
APPROVED

mohammad
10/4/2021 11:49:35 AM



#17
Acenaphthene
Concen: 0.02 ng
RT: 14.332 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

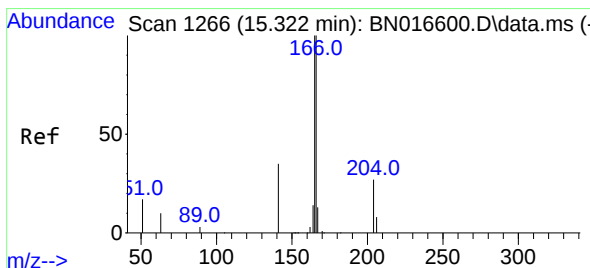
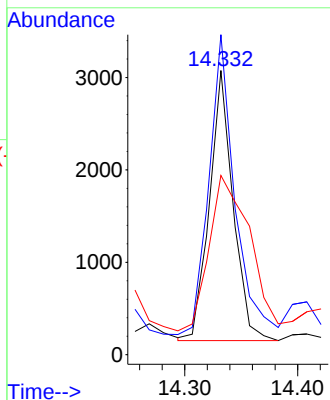
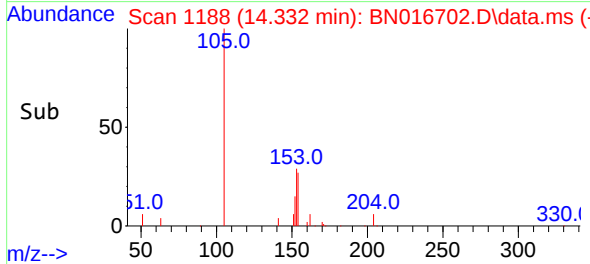
Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-1-1.5-092221



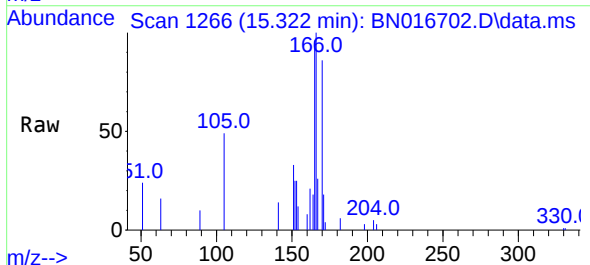
Tgt Ion:154 Resp: 4240
Ion Ratio Lower Upper
154 100
153 120.5 90.2 135.2
152 100.6 44.0 66.0#

Manual Integrations
APPROVED

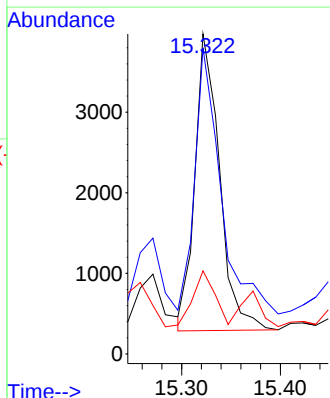
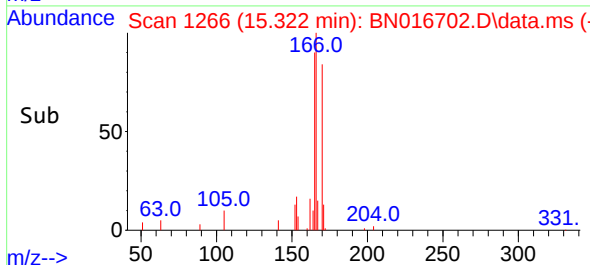
mohammad
10/4/2021 11:49:35 AM

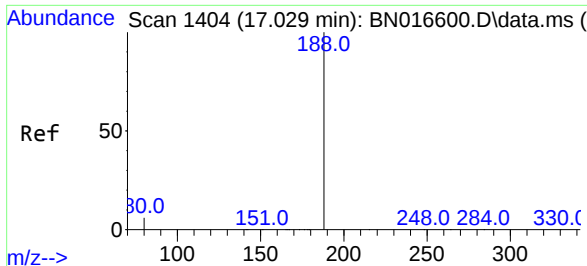


#18
Fluorene
Concen: 0.03 ng
RT: 15.322 min Scan# 1266
Delta R.T. 0.000 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12



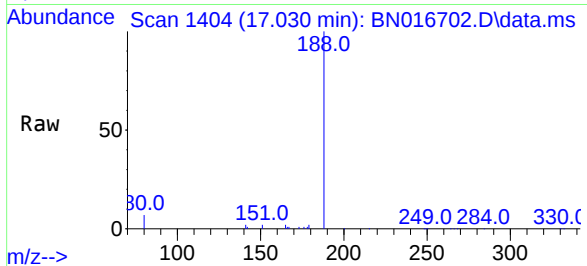
Tgt Ion:166 Resp: 6376
Ion Ratio Lower Upper
166 100
165 95.0 77.9 116.9
167 17.0 10.7 16.1#





#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.030 min Scan# 1404
Delta R.T. 0.000 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

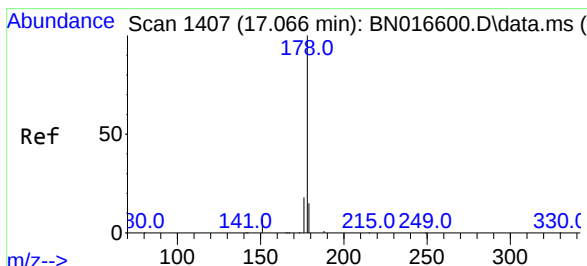
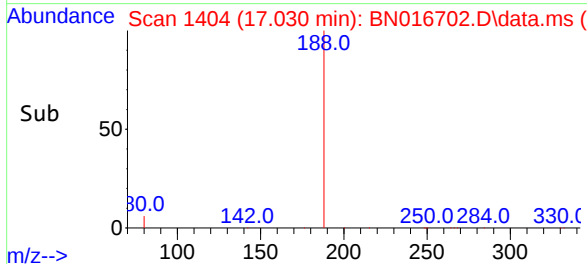
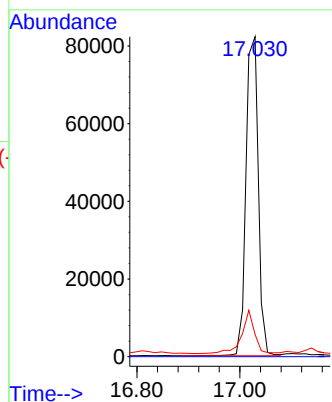
Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-1-1.5-092221



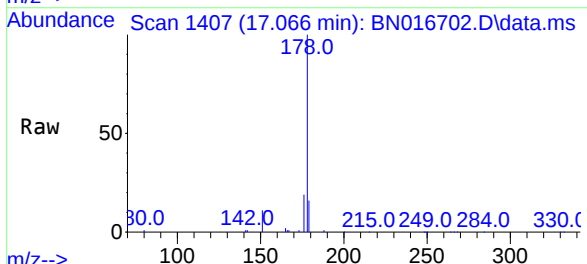
Tgt Ion:188 Resp: 137150
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.0 5.0 7.6

Manual Integrations
APPROVED

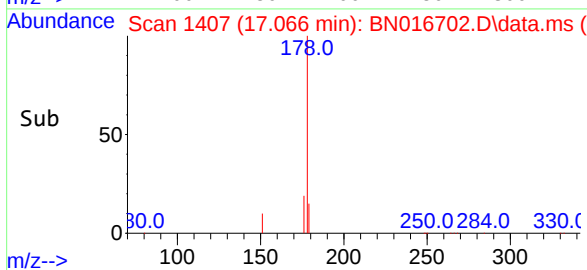
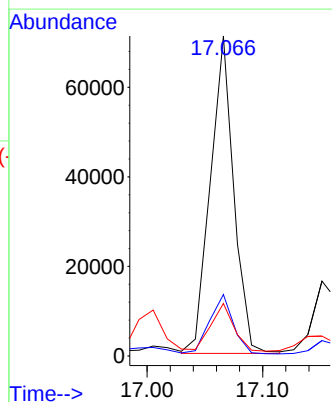
mohammad
10/4/2021 11:49:35 AM

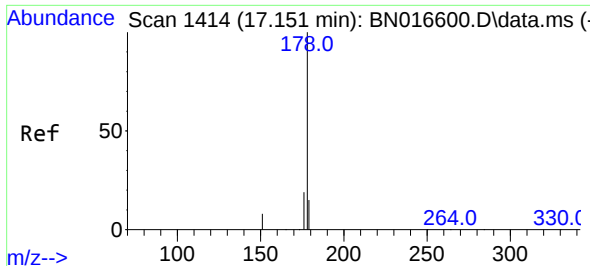


#25
Phenanthrene
Concen: 0.24 ng m
RT: 17.066 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12



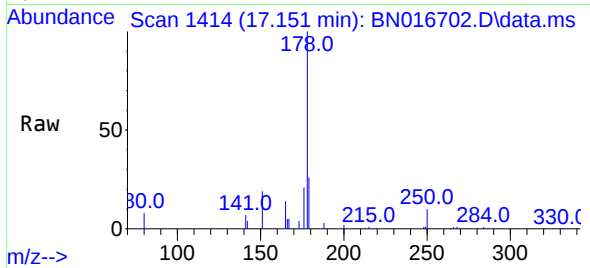
Tgt Ion:178 Resp: 100252
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 14.9 12.2 18.4





#26
 Anthracene
 Concen: 0.07 ng
 RT: 17.151 min Scan# 1414
 Delta R.T. 0.000 min
 Lab File: BN016702.D
 Acq: 03 Oct 2021 11:12

Instrument :
 BNA_N
 ClientSampleId :
 S-826-N-SO-1-1.5-092221

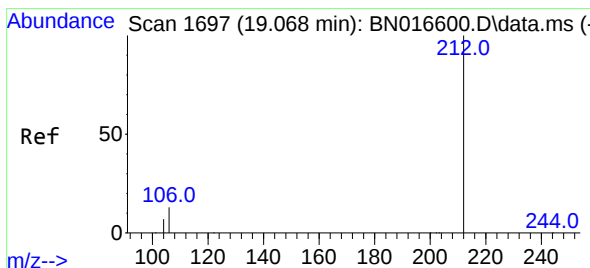
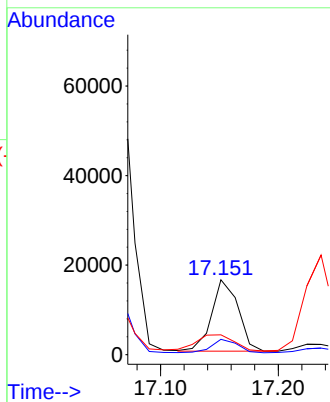
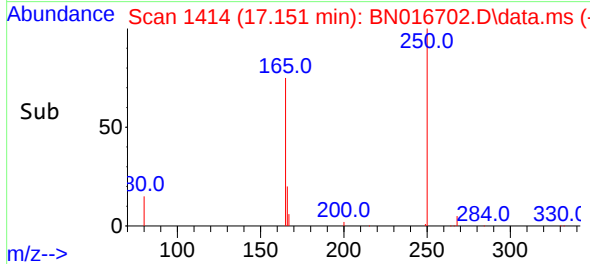


Tgt Ion:178 Resp: 24900

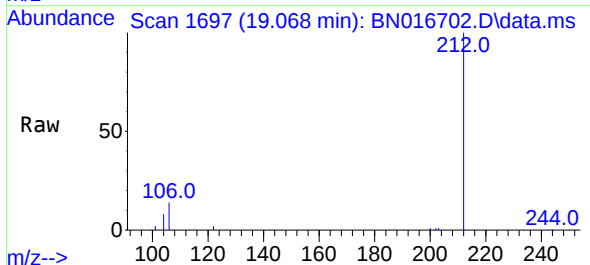
Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	21.8
179	33.0	12.2	18.4#

Manual Integrations
 APPROVED

mohammad
 10/4/2021 11:49:35 AM

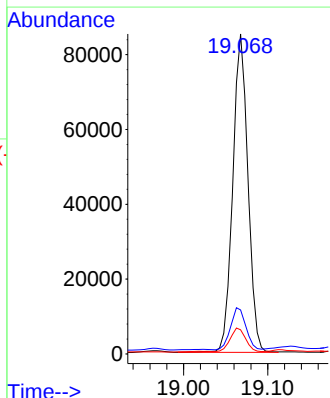
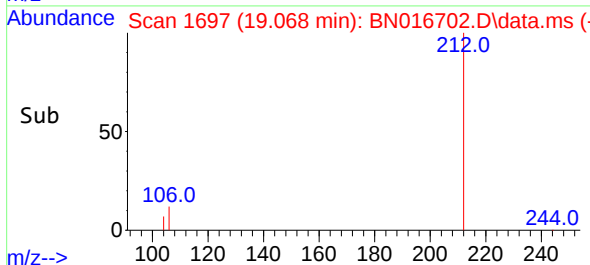


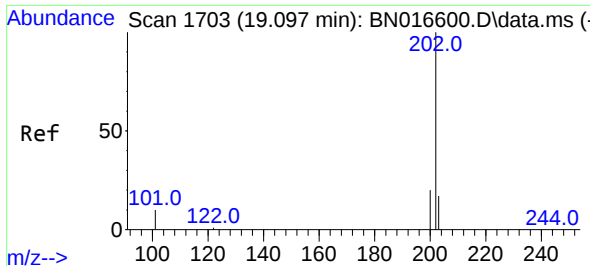
#27
 Fluoranthene-d10
 Concen: 0.29 ng
 RT: 19.068 min Scan# 1697
 Delta R.T. 0.000 min
 Lab File: BN016702.D
 Acq: 03 Oct 2021 11:12



Tgt Ion:212 Resp: 106614

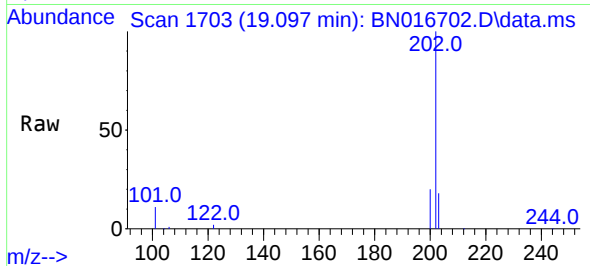
Ion	Ratio	Lower	Upper
212	100		
106	13.3	10.6	16.0
104	7.4	5.9	8.9





#28
Fluoranthene
Concen: 0.54 ng
RT: 19.097 min Scan# 1703
Delta R.T. 0.000 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

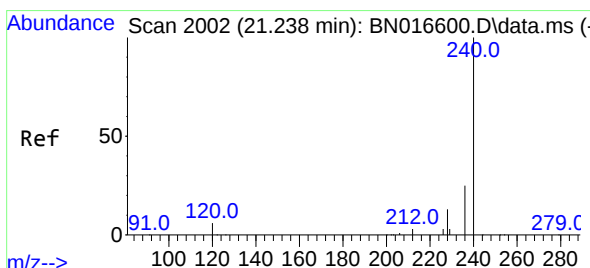
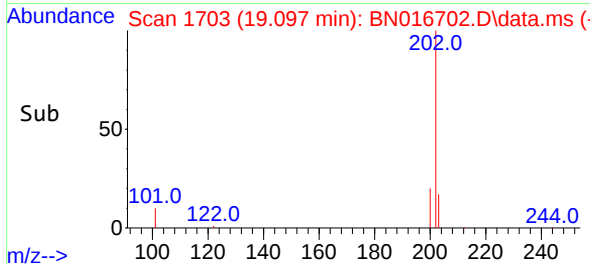
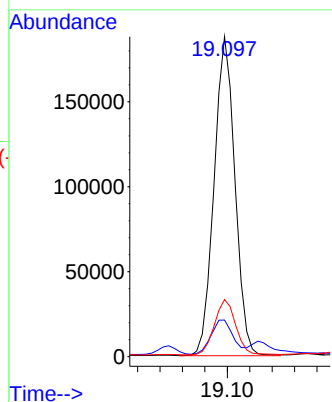
Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-1-1.5-092221



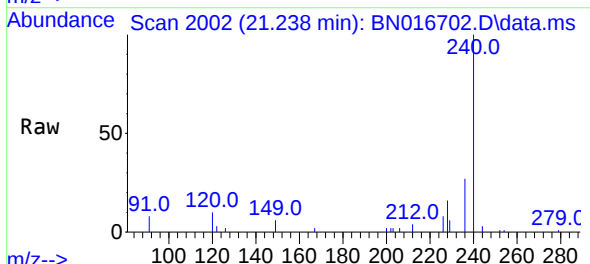
Tgt Ion:202 Resp: 242275
Ion Ratio Lower Upper
202 100
101 11.5 9.0 13.4
203 17.7 13.8 20.6

Manual Integrations
APPROVED

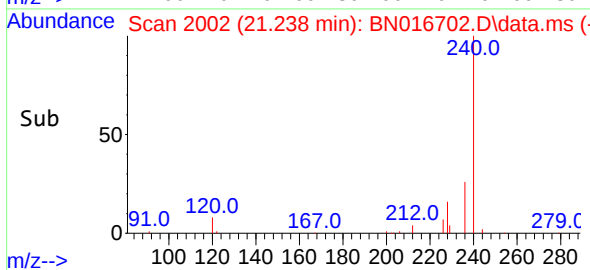
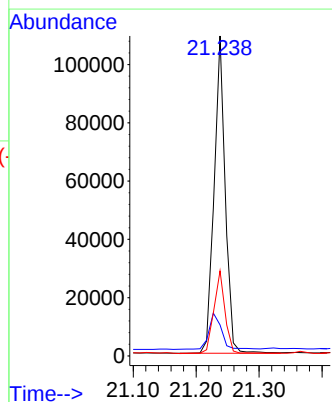
mohammad
10/4/2021 11:49:35 AM

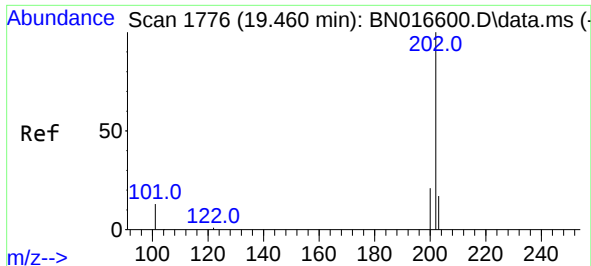


#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12



Tgt Ion:240 Resp: 133653
Ion Ratio Lower Upper
240 100
120 9.7 5.0 7.4#
236 26.6 20.4 30.6





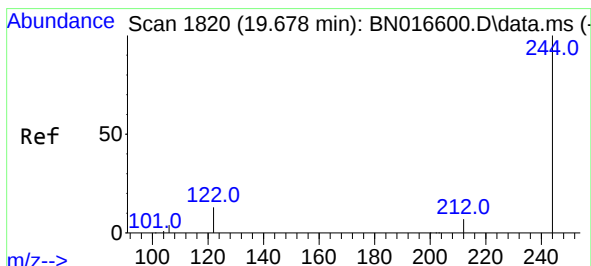
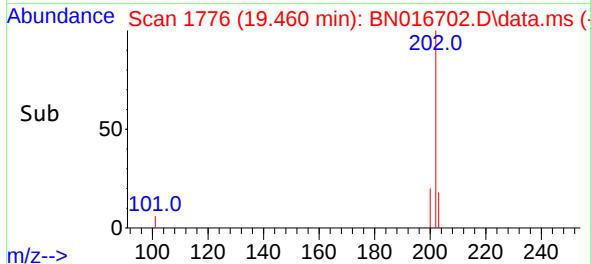
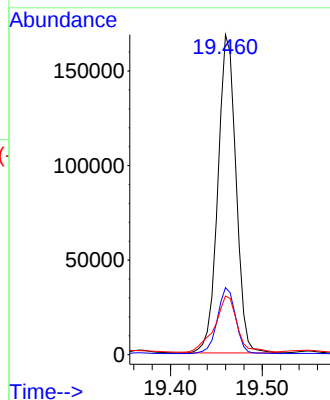
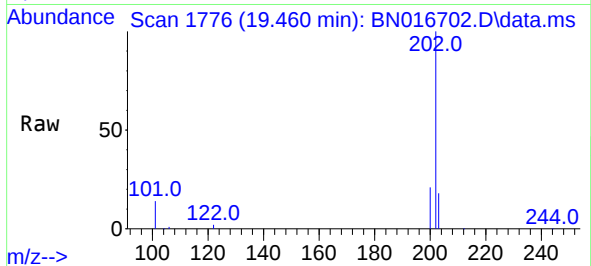
#30
Pyrene
Concen: 0.53 ng
RT: 19.460 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

Tgt Ion:202 Resp: 230929
Ion Ratio Lower Upper
202 100
200 20.8 16.5 24.7
203 21.6 14.0 21.0#

Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-1-1.5-092221

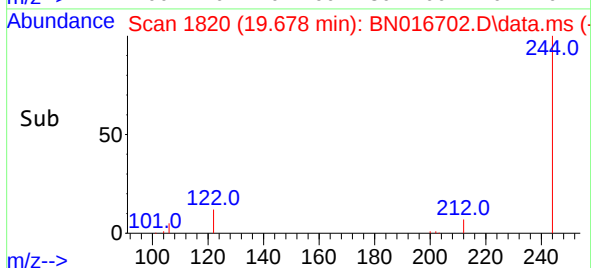
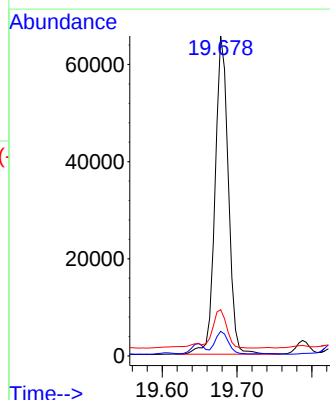
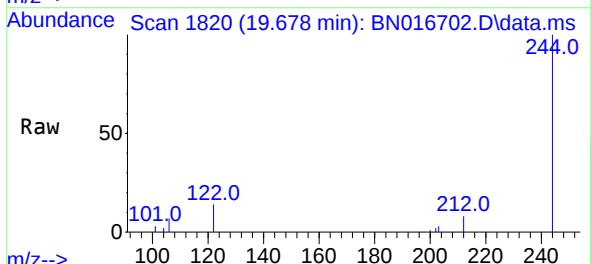
Manual Integrations
APPROVED

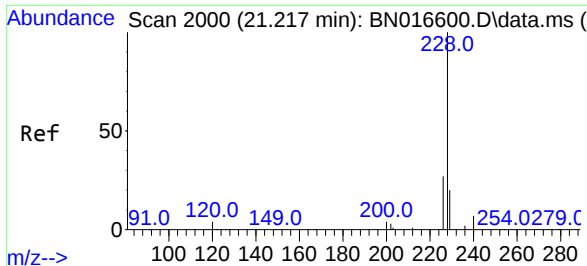
mohammad
10/4/2021 11:49:35 AM



#31
Terphenyl-d14
Concen: 0.28 ng
RT: 19.678 min Scan# 1820
Delta R.T. 0.000 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

Tgt Ion:244 Resp: 80575
Ion Ratio Lower Upper
244 100
212 7.7 6.0 9.0
122 14.5 10.1 15.1





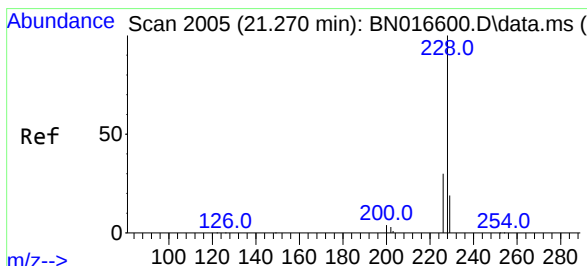
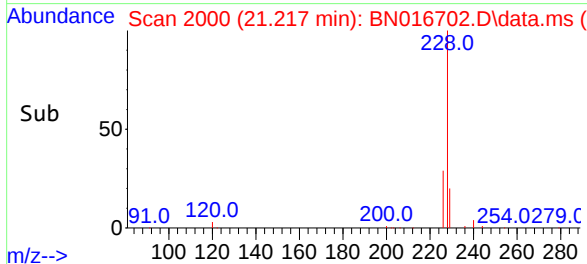
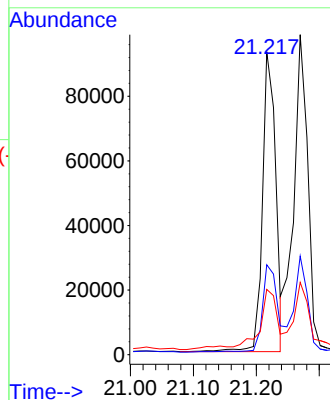
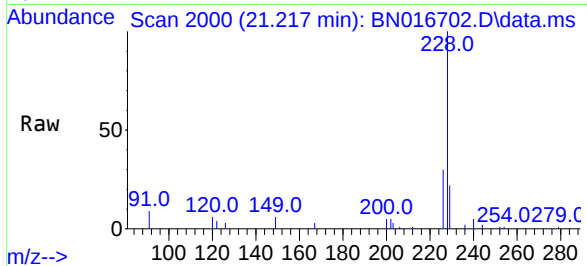
#32
Benzo(a)anthracene
Concen: 0.33 ng
RT: 21.217 min Scan# 2000
Delta R.T. 0.000 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

Tgt Ion:228 Resp: 136403
Ion Ratio Lower Upper
228 100
226 29.7 21.9 32.9
229 21.5 15.7 23.5

Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-1-1.5-092221

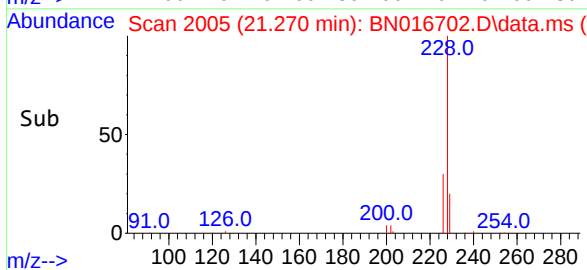
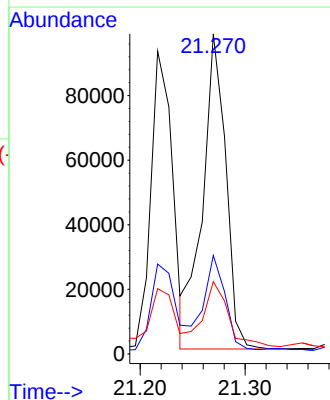
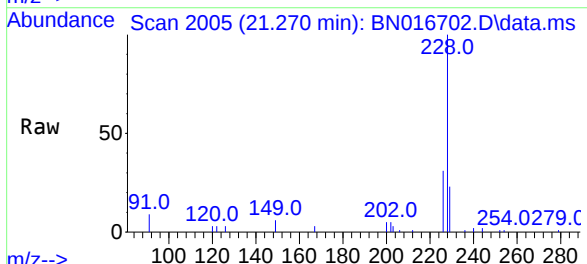
Manual Integrations
APPROVED

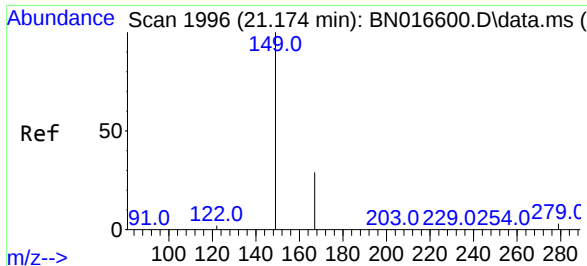
mohammad
10/4/2021 11:49:35 AM



#33
Chrysene
Concen: 0.36 ng
RT: 21.270 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

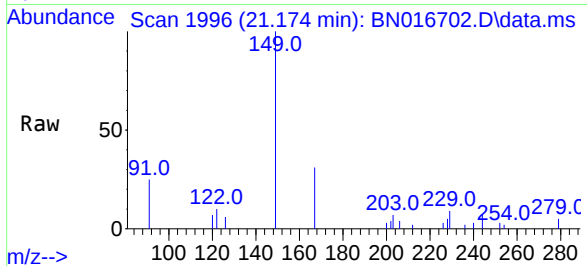
Tgt Ion:228 Resp: 150061
Ion Ratio Lower Upper
228 100
226 30.8 23.7 35.5
229 22.6 15.5 23.3





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.22 ng
RT: 21.174 min Scan# 1996
Delta R.T. 0.000 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

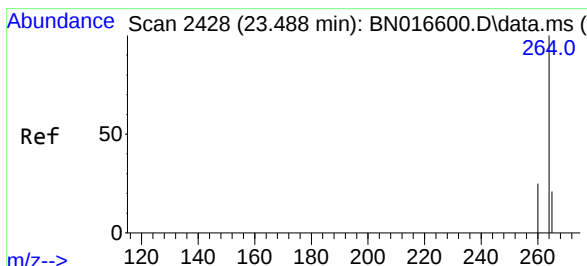
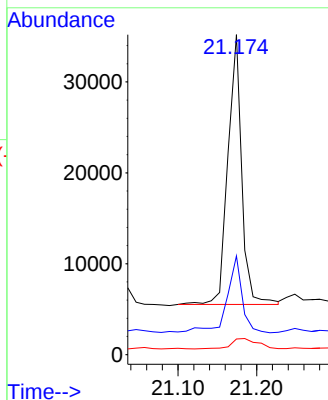
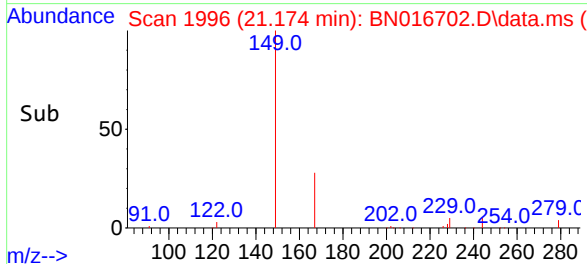
Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-1-1.5-092221



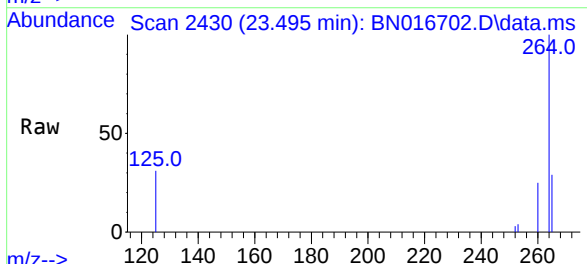
Tgt Ion:149 Resp: 36122
Ion Ratio Lower Upper
149 100
167 31.2 22.2 33.4
279 7.3 3.2 4.8#

Manual Integrations
APPROVED

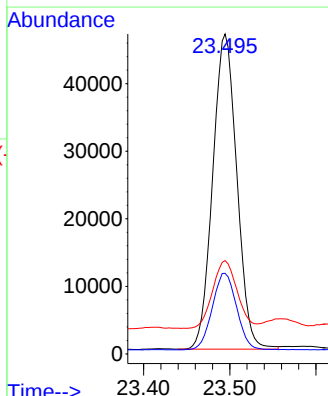
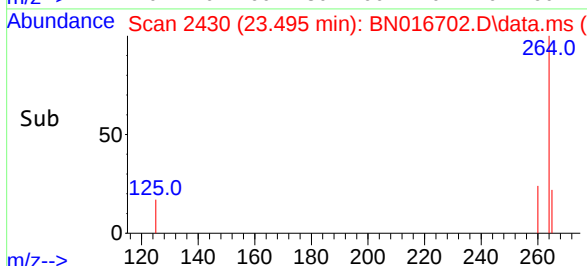
mohammad
10/4/2021 11:49:35 AM

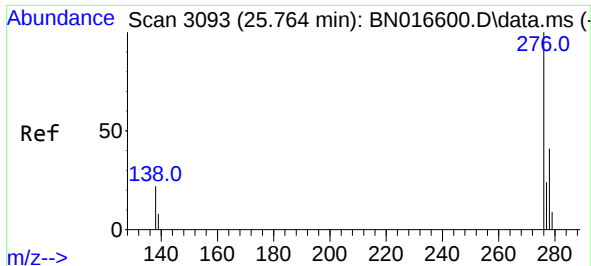


#35
Perylene-d12
Concen: 0.40 ng
RT: 23.495 min Scan# 2430
Delta R.T. 0.007 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12



Tgt Ion:264 Resp: 90683
Ion Ratio Lower Upper
264 100
260 25.2 19.9 29.9
265 29.2 19.2 28.8#





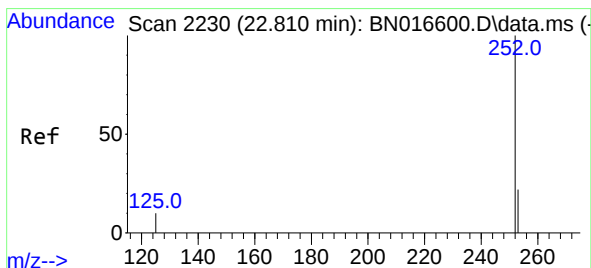
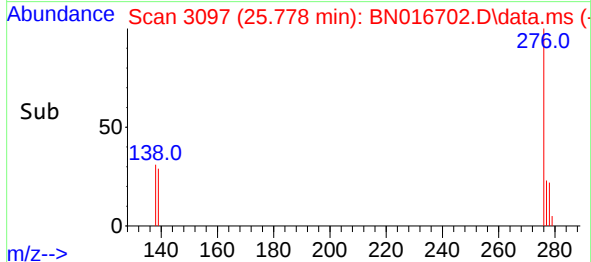
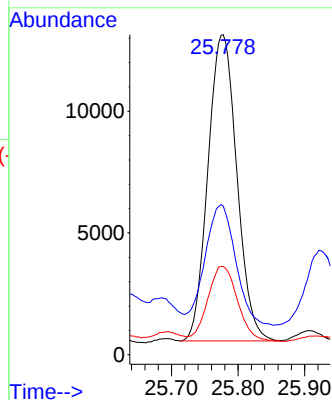
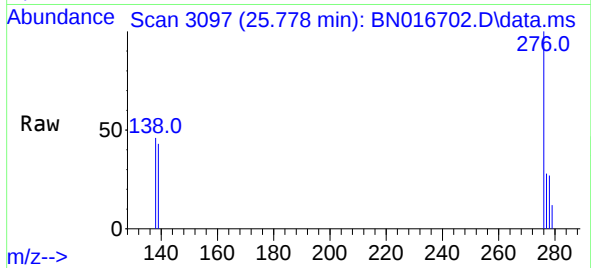
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.12 ng
RT: 25.778 min Scan# 3097
Delta R.T. 0.014 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

Tgt Ion: 276 Resp: 37940
Ion Ratio Lower Upper
276 100
138 41.8 19.5 29.3#
277 25.4 19.9 29.9

Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-1-1.5-092221

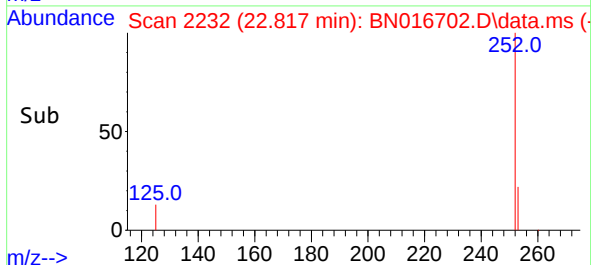
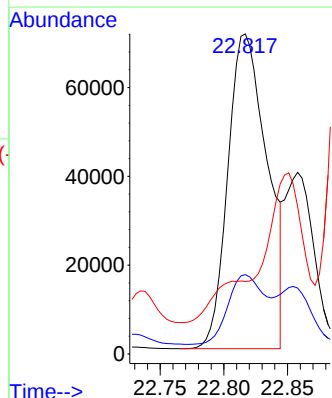
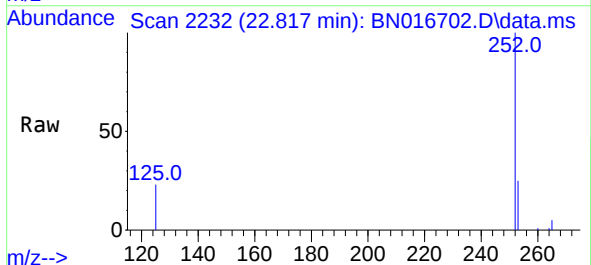
Manual Integrations
APPROVED

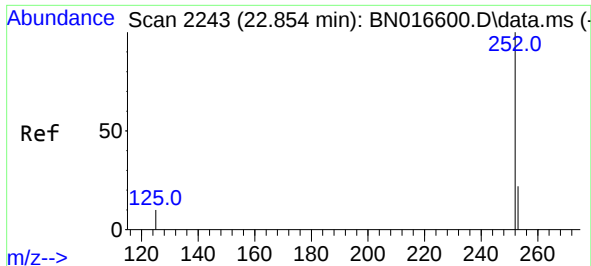
mohammad
10/4/2021 11:49:35 AM



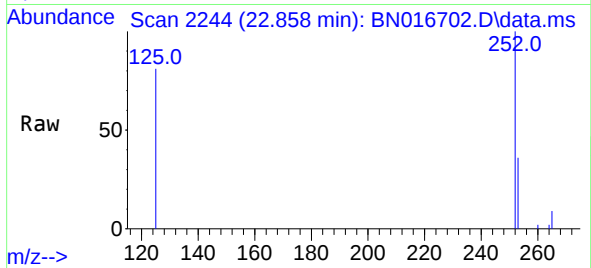
#37
Benzo(b)fluoranthene
Concen: 0.52 ng
RT: 22.817 min Scan# 2232
Delta R.T. 0.007 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

Tgt Ion: 252 Resp: 152145
Ion Ratio Lower Upper
252 100
253 24.8 17.8 26.8
125 22.7 8.0 12.0#

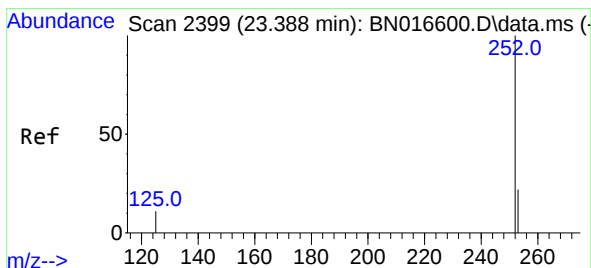
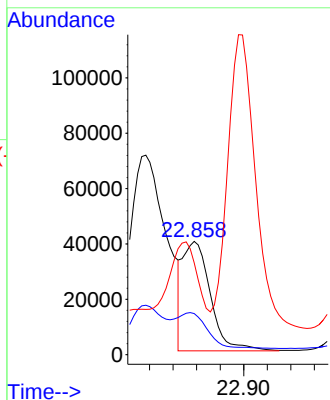
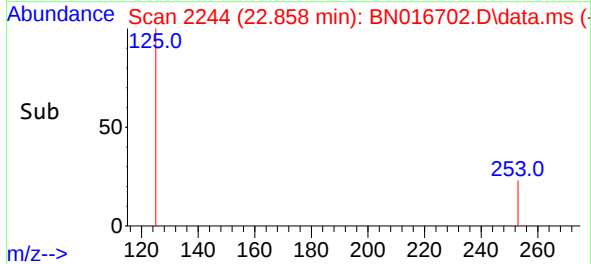




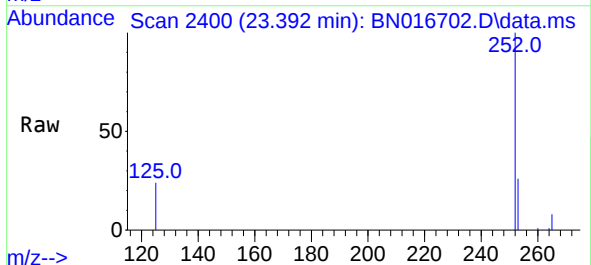
#38
Benzo(k)fluoranthene
Concen: 0.22 ng m
RT: 22.858 min Scan# 2244
Delta R.T. 0.003 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12



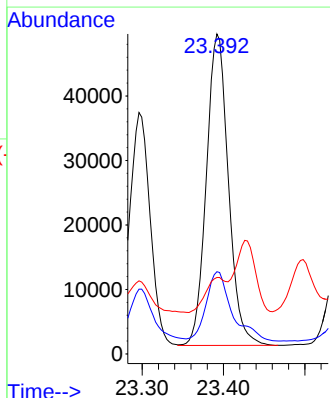
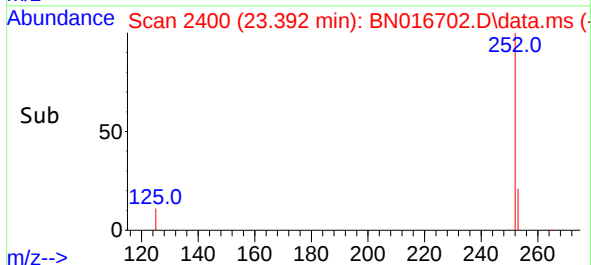
Tgt Ion:252 Resp: 64684
Ion Ratio Lower Upper
252 100
253 36.3 17.8 26.6#
125 81.1 8.0 12.0#



#39
Benzo(a)pyrene
Concen: 0.35 ng
RT: 23.392 min Scan# 2400
Delta R.T. 0.004 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12



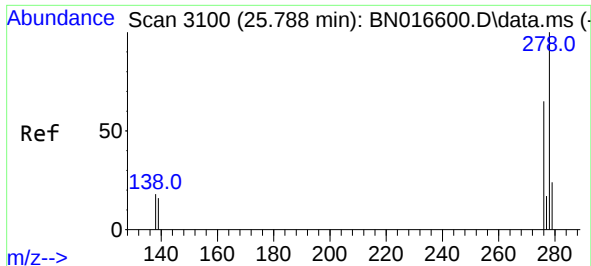
Tgt Ion:252 Resp: 90884
Ion Ratio Lower Upper
252 100
253 25.7 17.8 26.8
125 23.9 9.0 13.4#



Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-1-1.5-092221

Manual Integrations
APPROVED

mohammad
10/4/2021 11:49:35 AM



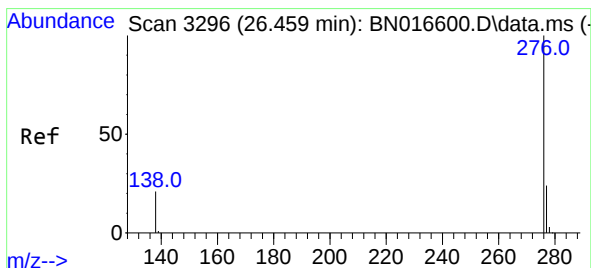
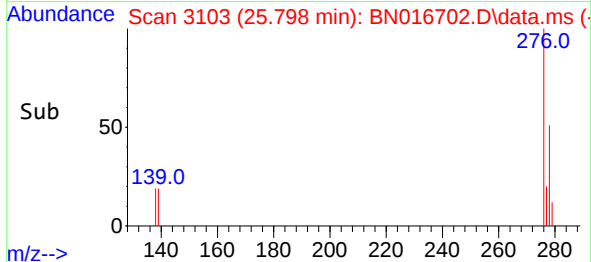
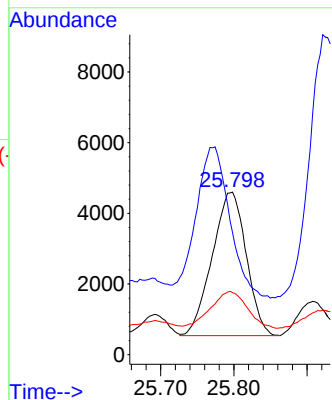
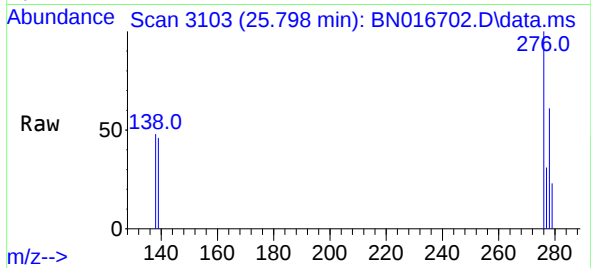
#40
Dibenzo(a,h)anthracene
Concen: 0.05 ng
RT: 25.798 min Scan# 3103
Delta R.T. 0.010 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

Tgt Ion: 278 Resp: 13129
Ion Ratio Lower Upper
278 100
139 75.2 13.1 19.7#
279 38.2 19.1 28.7#

Instrument :
BNA_N
ClientSampleId :
S-826-N-SO-1-1.5-092221

Manual Integrations
APPROVED

mohammad
10/4/2021 11:49:35 AM



#41
Benzo(g,h,i)perylene
Concen: 0.11 ng
RT: 26.476 min Scan# 3301
Delta R.T. 0.017 min
Lab File: BN016702.D
Acq: 03 Oct 2021 11:12

Tgt Ion: 276 Resp: 31061
Ion Ratio Lower Upper
276 100
277 27.4 19.0 28.6
138 37.2 16.9 25.3#

