

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052121\
 Data File : BN014701.D
 Acq On : 21 May 2021 19:48
 Operator : CG/JU
 Sample : M2383-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 KTW-03

Manual Integrations
 APPROVED

mohammad
 5/24/2021 2:37:09 PM

Quant Time: May 24 03:05:02 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN051121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 21 11:30:28 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	920	0.40	ng	# 0.00
7) Naphthalene-d8	10.505	136	3430	0.40	ng	# 0.00
13) Acenaphthene-d10	14.371	164	2346	0.40	ng	0.00
19) Phenanthrene-d10	17.116	188	5229	0.40	ng	# 0.00
29) Chrysene-d12	21.314	240	5365	0.40	ng	# 0.00
35) Perylene-d12	23.585	264	4905	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.324	112	328	0.13	ng	0.00
5) Phenol-d6	6.895	99	287	0.09	ng	0.00
8) Nitrobenzene-d5	8.870	82	1109	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.106	152	1955	0.23	ng	0.00
14) 2,4,6-Tribromophenol	15.869	330	528	0.48	ng	0.00
15) 2-Fluorobiphenyl	12.988	172	3305	0.38	ng	0.00
27) Fluoranthene-d10	19.158	212	6368	0.27	ng	0.00
31) Terphenyl-d14	19.764	244	6750	0.53	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.555	128	1898	0.21	ng	# 91
12) 2-Methylnaphthalene	12.177	142	426	0.06	ng	# 79
16) Acenaphthylene	14.080	152	328	0.04	ng	# 84
17) Acenaphthene	14.435	154	1265	0.20	ng	96
18) Fluorene	15.424	166	823	0.10	ng	# 93
25) Phenanthrene	17.165	178	2457	0.17	ng	98
26) Anthracene	17.250	178	899	0.07	ng	# 87
28) Fluoranthene	19.188	202	3245	0.17	ng	98
30) Pyrene	19.551	202	6596	0.45	ng	# 93
32) Benzo(a)anthracene	21.303	228	1485	0.10	ng	# 79
33) Chrysene	21.356	228	1292	0.08	ng	# 77
34) Bis(2-ethylhexyl)phtha...	21.239	149	2486	0.57	ng	# 72
36) Indeno(1,2,3-cd)pyrene	25.871	276	926	0.05	ng	# 82
37) Benzo(b)fluoranthene	22.907	252	1633	0.10	ng	# 53
38) Benzo(k)fluoranthene	22.945	252	639m	0.04	ng	
39) Benzo(a)pyrene	23.482	252	1131	0.08	ng	# 60
41) Benzo(g,h,i)perylene	26.566	276	896	0.06	ng	# 81

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

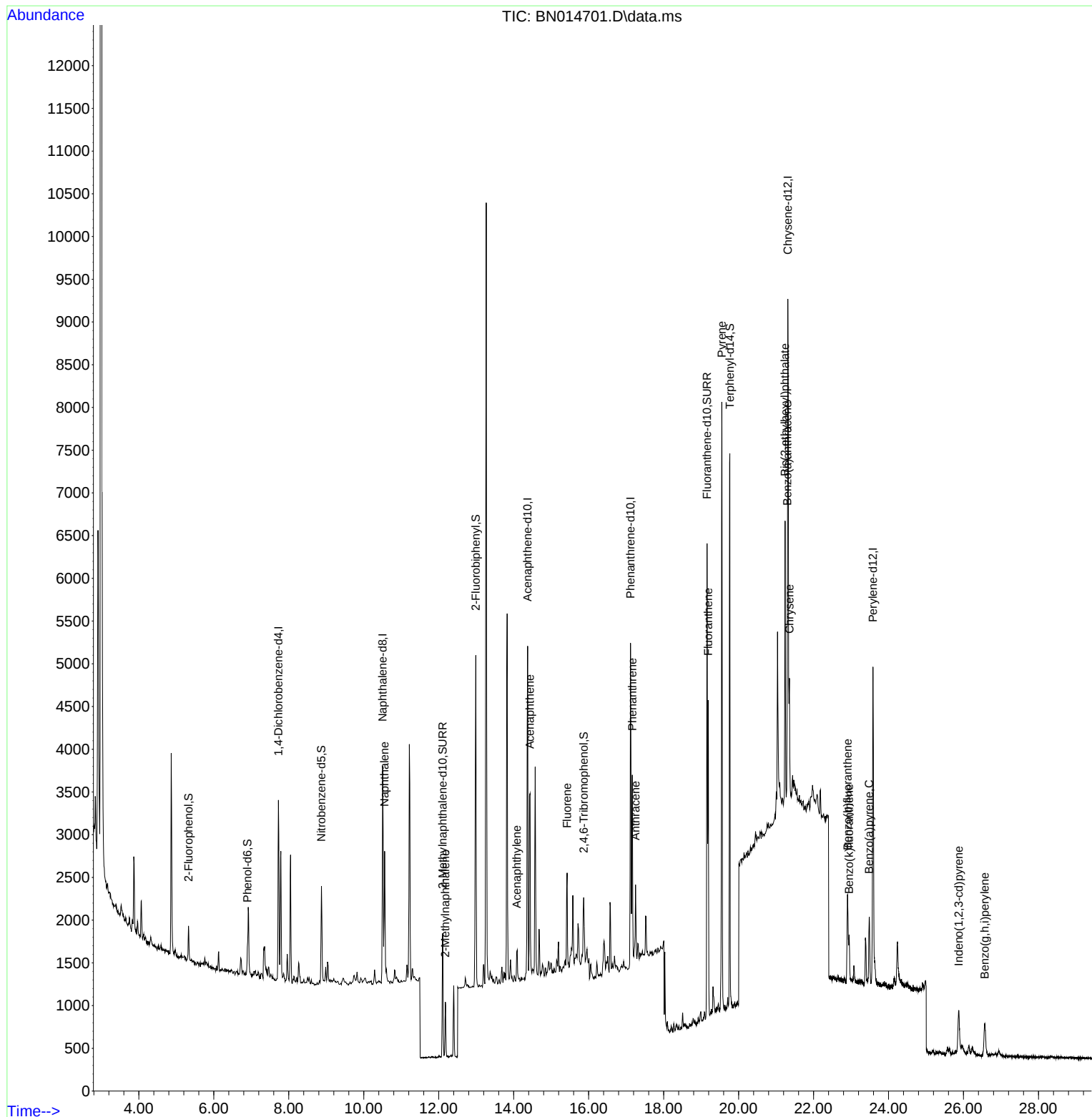
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052121\
Data File : BN014701.D
Acq On : 21 May 2021 19:48
Operator : CG/JU
Sample : M2383-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

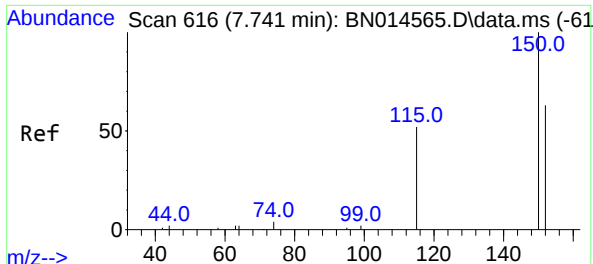
Instrument :
BNA_N
ClientSampleId :
KTW-03

Manual Integrations
APPROVED

mohammad
5/24/2021 2:37:09 PM

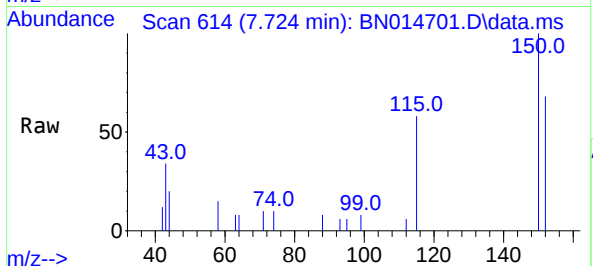
Quant Time: May 24 03:05:02 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN051121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 21 11:30:28 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.724 min Scan# 614
Delta R.T. -0.001 min
Lab File: BN014701.D
Acq: 21 May 2021 19:48

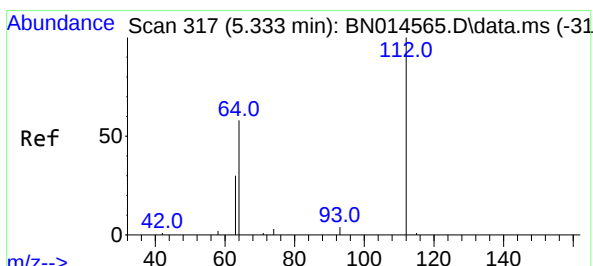
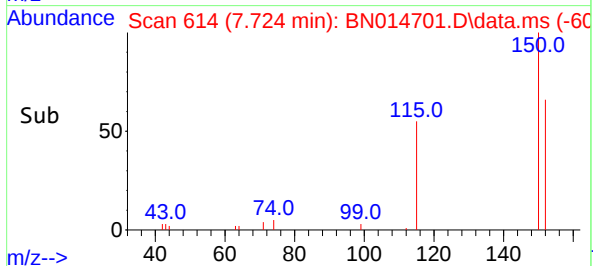
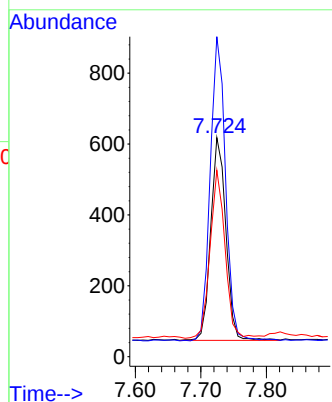
Instrument :
BNA_N
ClientSampled :
KTW-03



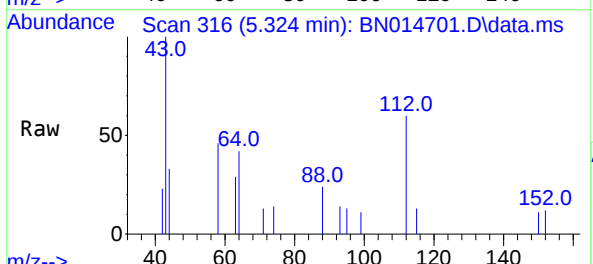
Tgt Ion:152 Resp: 920
Ion Ratio Lower Upper
152 100
150 146.1 123.8 185.8
115 85.1 47.0 70.4#

Manual Integrations
APPROVED

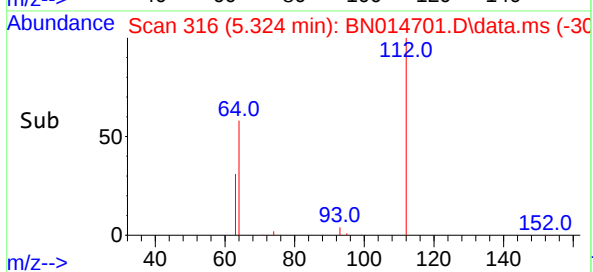
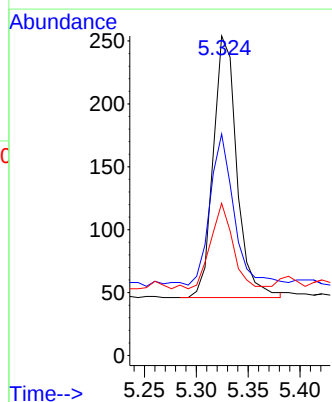
mohammad
5/24/2021 2:37:09 PM

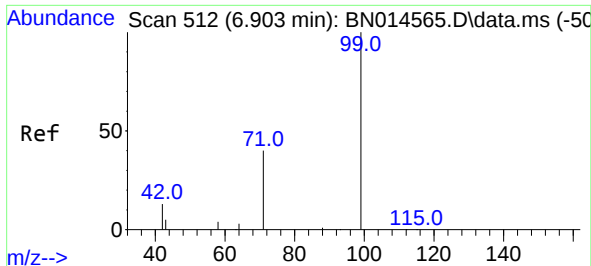


#4
2-Fluorophenol
Concen: 0.13 ng
RT: 5.324 min Scan# 316
Delta R.T. -0.000 min
Lab File: BN014701.D
Acq: 21 May 2021 19:48



Tgt Ion:112 Resp: 328
Ion Ratio Lower Upper
112 100
64 56.7 41.8 62.6
63 31.4 22.0 33.0





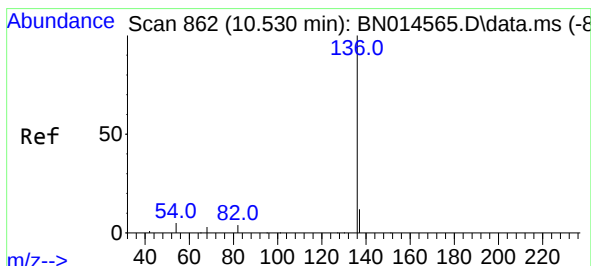
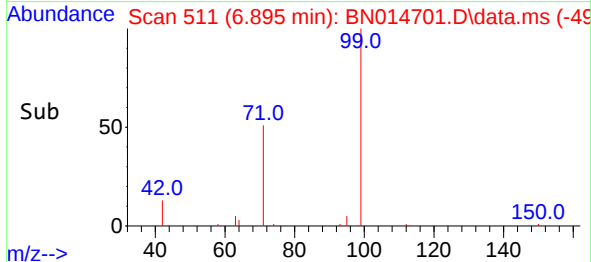
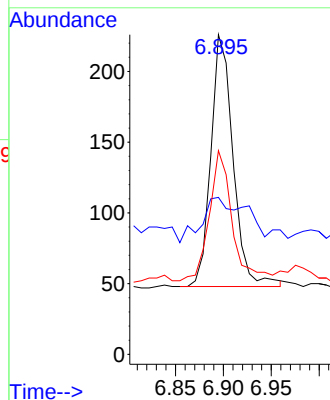
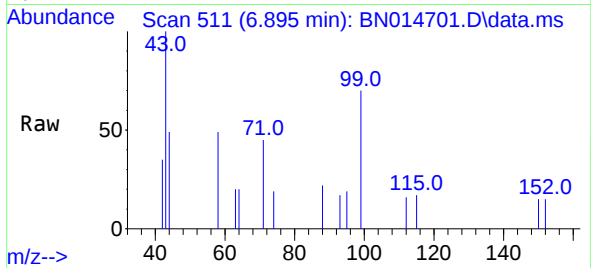
#5
Phenol-d6
Concen: 0.09 ng
RT: 6.895 min Scan# 511
Delta R.T. -0.000 min
Lab File: BN014701.D
Acq: 21 May 2021 19:48

Tgt Ion: 99 Resp: 287
Ion Ratio Lower Upper
99 100
42 36.9 13.2 19.8#
71 53.0 26.2 39.2#

Instrument :
BNA_N
ClientSampled :
KTW-03

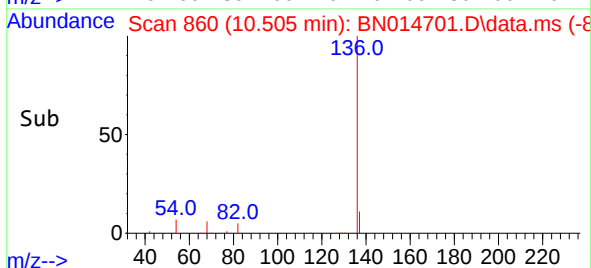
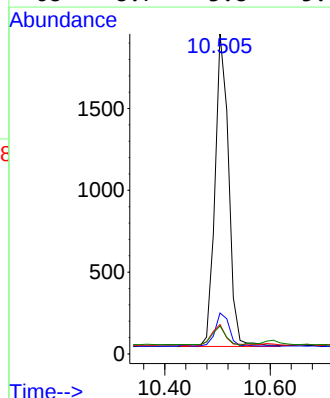
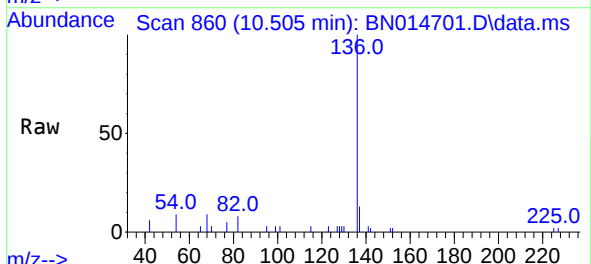
Manual Integrations
APPROVED

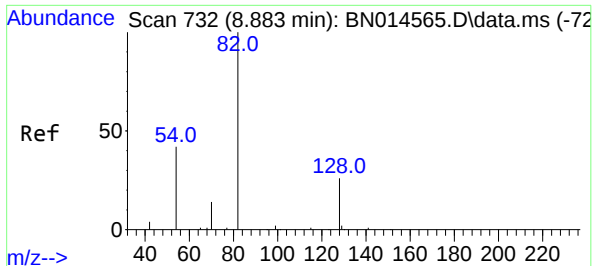
mohammad
5/24/2021 2:37:09 PM



#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.505 min Scan# 860
Delta R.T. -0.000 min
Lab File: BN014701.D
Acq: 21 May 2021 19:48

Tgt Ion: 136 Resp: 3430
Ion Ratio Lower Upper
136 100
137 12.8 8.9 13.3
54 9.2 3.8 5.8#
68 8.7 3.8 5.6#





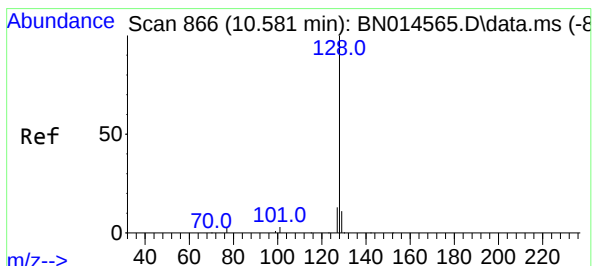
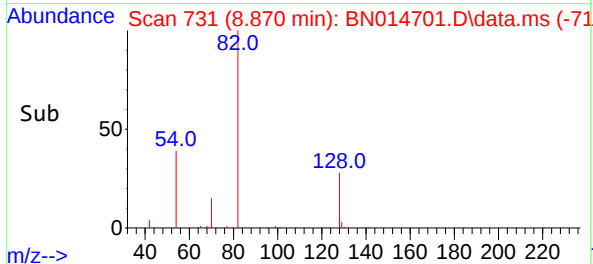
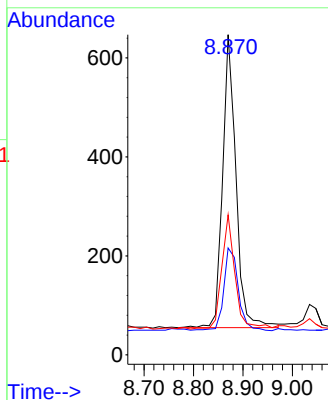
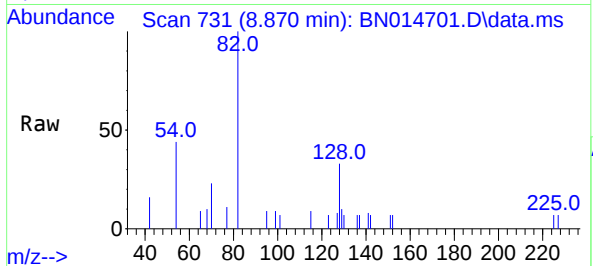
#8
Nitrobenzene-d5
Concen: 0.37 ng
RT: 8.870 min Scan# 731
Delta R.T. -0.000 min
Lab File: BN014701.D
Acq: 21 May 2021 19:48

Tgt Ion:	82	Resp:	1109
Ion Ratio	Lower	Upper	
82	100		
128	33.4	29.5	44.3
54	43.7	36.9	55.3

Instrument :
BNA_N
ClientSampled :
KTW-03

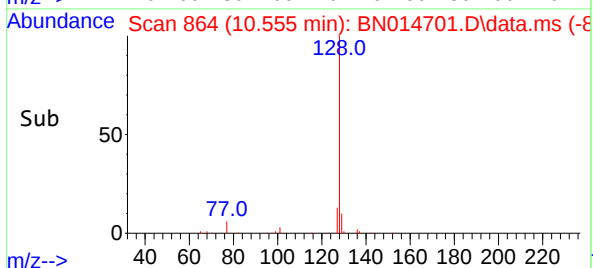
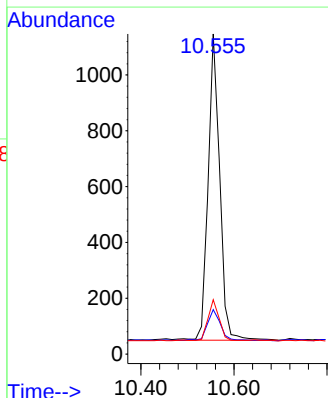
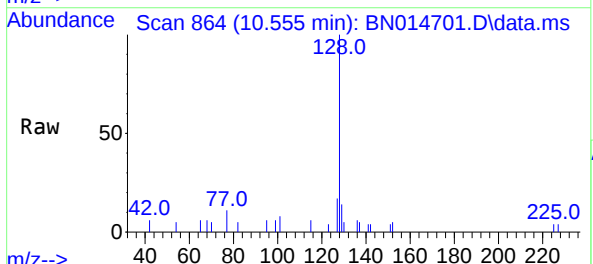
Manual Integrations
APPROVED

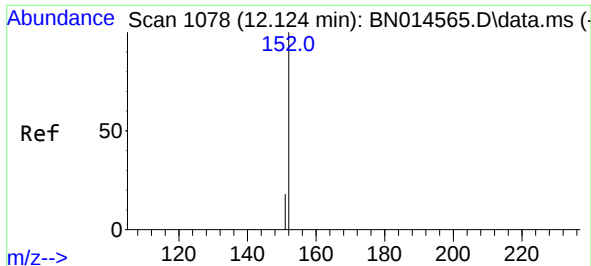
mohammad
5/24/2021 2:37:09 PM



#9
Naphthalene
Concen: 0.21 ng
RT: 10.555 min Scan# 864
Delta R.T. -0.000 min
Lab File: BN014701.D
Acq: 21 May 2021 19:48

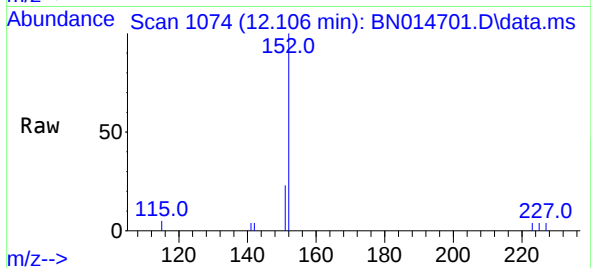
Tgt Ion:	128	Resp:	1898
Ion Ratio	Lower	Upper	
128	100		
129	13.9	9.0	13.4#
127	17.0	10.4	15.6#





#11
2-Methylnaphthalene-d10
Concen: 0.23 ng
RT: 12.106 min Scan# 1074
Delta R.T. 0.004 min
Lab File: BN014701.D
Acq: 21 May 2021 19:48

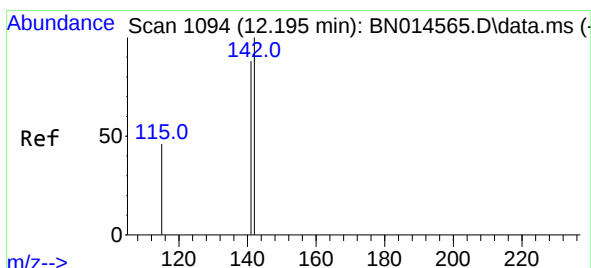
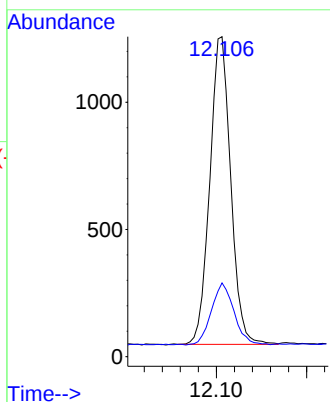
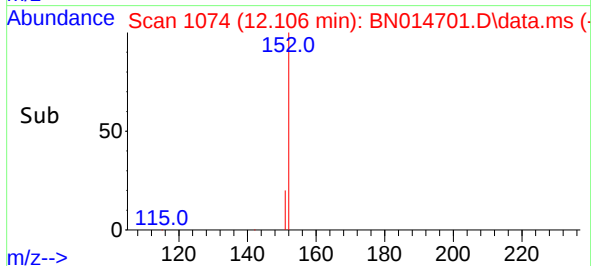
Instrument :
BNA_N
ClientSampled :
KTW-03



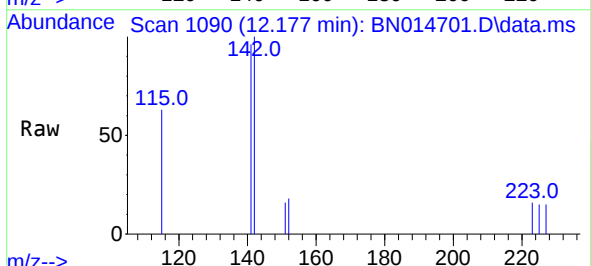
Tgt Ion:152 Resp: 1955
Ion Ratio Lower Upper
152 100
151 21.8 16.2 24.2

Manual Integrations
APPROVED

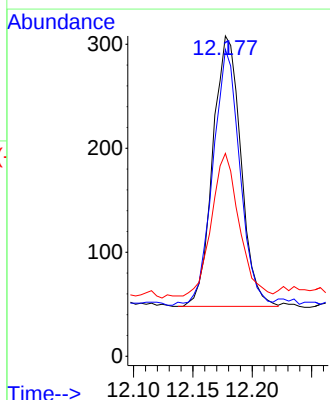
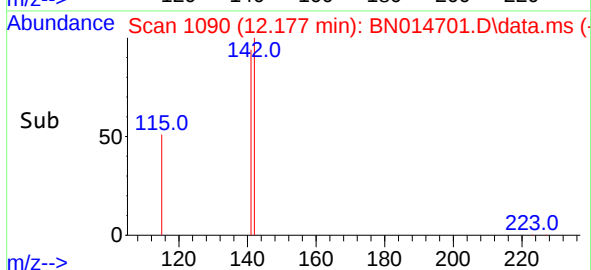
mohammad
5/24/2021 2:37:09 PM

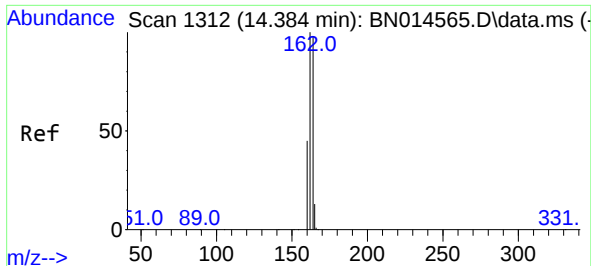


#12
2-Methylnaphthalene
Concen: 0.06 ng
RT: 12.177 min Scan# 1090
Delta R.T. -0.000 min
Lab File: BN014701.D
Acq: 21 May 2021 19:48



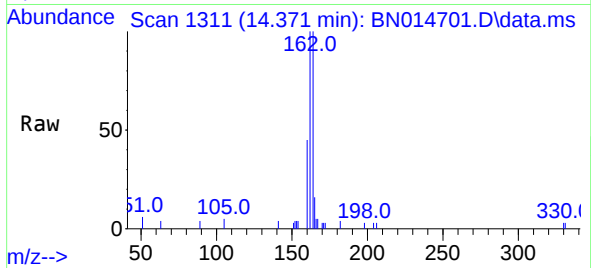
Tgt Ion:142 Resp: 426
Ion Ratio Lower Upper
142 100
141 95.8 70.2 105.4
115 63.3 26.7 40.1#





#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.371 min Scan# 1311
Delta R.T. -0.000 min
Lab File: BN014701.D
Acq: 21 May 2021 19:48

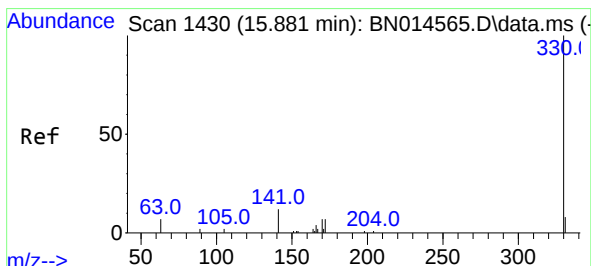
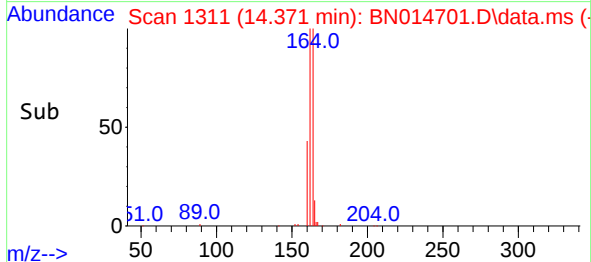
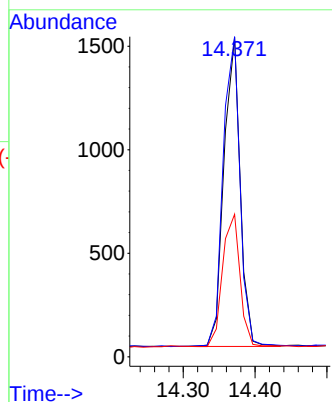
Instrument :
BNA_N
ClientSampled :
KTW-03



Tgt Ion:164 Resp: 2346
Ion Ratio Lower Upper
164 100
162 100.2 78.6 118.0
160 44.6 35.8 53.8

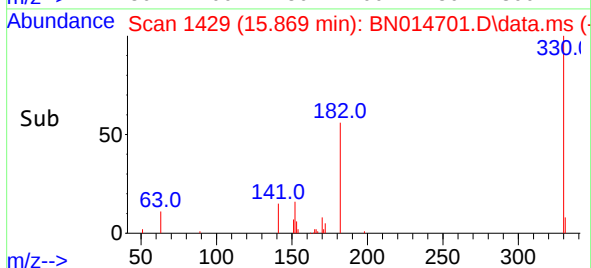
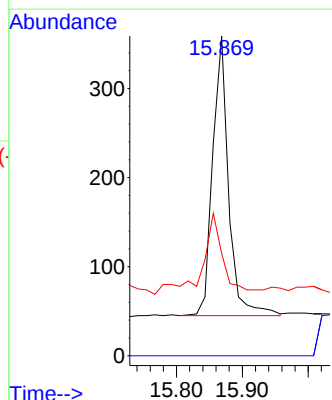
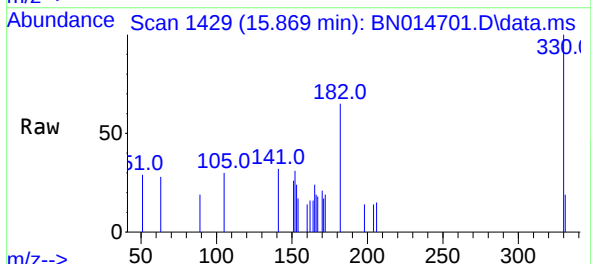
Manual Integrations
APPROVED

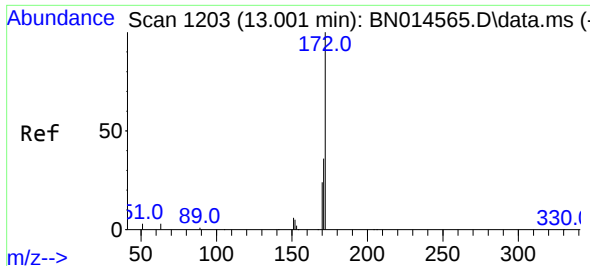
mohammad
5/24/2021 2:37:09 PM



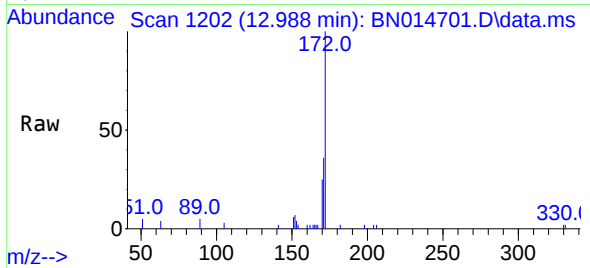
#14
2,4,6-Tribromophenol
Concen: 0.48 ng
RT: 15.869 min Scan# 1429
Delta R.T. -0.000 min
Lab File: BN014701.D
Acq: 21 May 2021 19:48

Tgt Ion:330 Resp: 528
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 26.9 27.0 40.4#

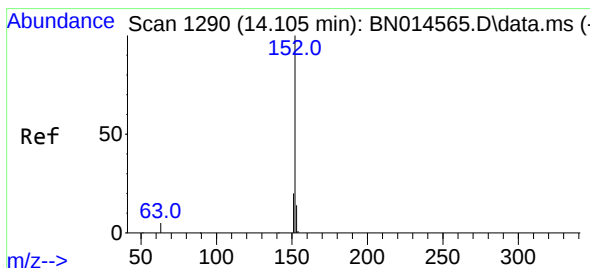
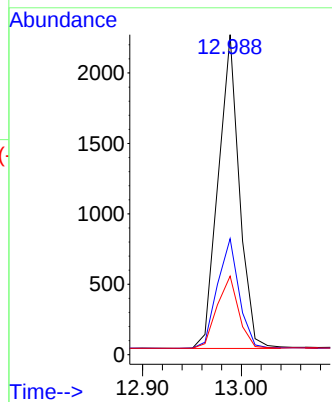
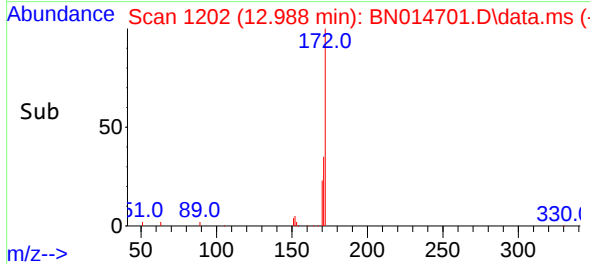




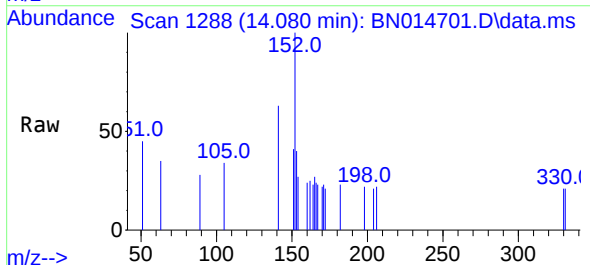
#15
2-Fluorobiphenyl
Concen: 0.38 ng
RT: 12.988 min Scan# 1202
Delta R.T. -0.000 min
Lab File: BN014701.D
Acq: 21 May 2021 19:48



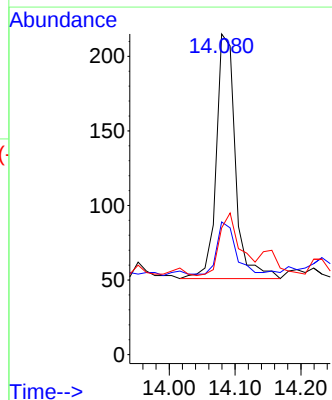
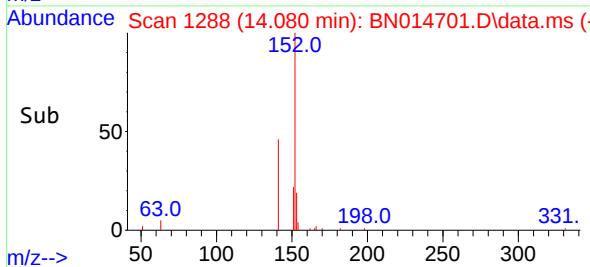
Tgt Ion:172 Resp: 3305
Ion Ratio Lower Upper
172 100
171 36.3 27.1 40.7
170 24.6 18.3 27.5



#16
Acenaphthylene
Concen: 0.04 ng
RT: 14.080 min Scan# 1288
Delta R.T. -0.000 min
Lab File: BN014701.D
Acq: 21 May 2021 19:48



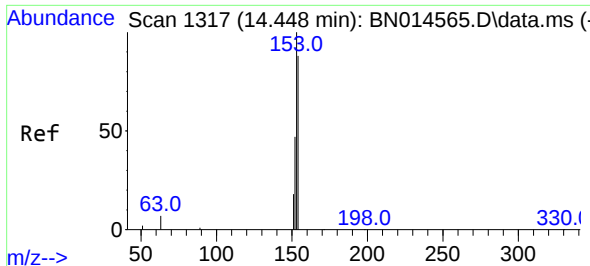
Tgt Ion:152 Resp: 328
Ion Ratio Lower Upper
152 100
151 20.4 15.6 23.4
153 28.0 10.5 15.7#



Instrument :
BNA_N
ClientSampled :
KTW-03

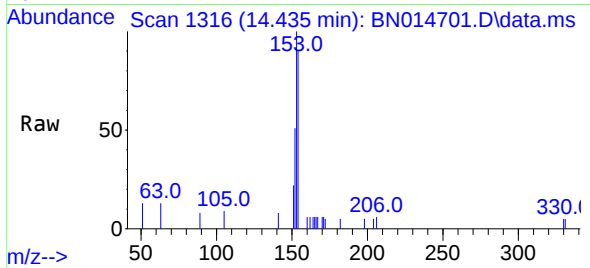
Manual Integrations
APPROVED

mohammad
5/24/2021 2:37:09 PM



#17
Acenaphthene
Concen: 0.20 ng
RT: 14.435 min Scan# 1316
Delta R.T. -0.000 min
Lab File: BN014701.D
Acq: 21 May 2021 19:48

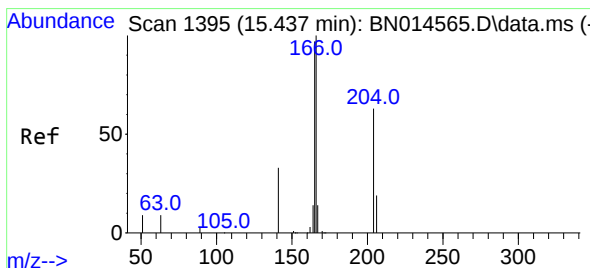
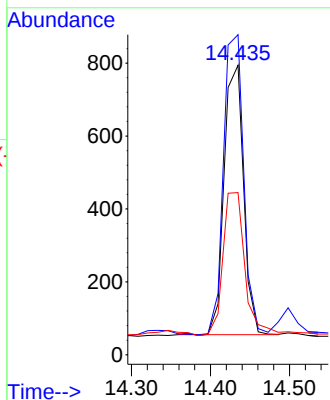
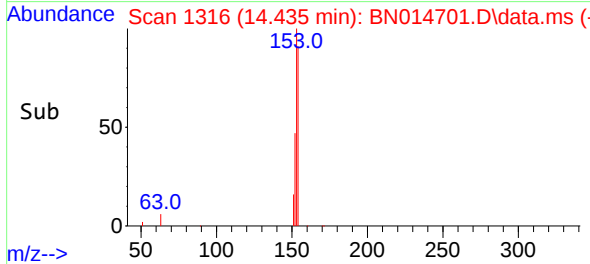
Instrument :
BNA_N
ClientSampled :
KTW-03



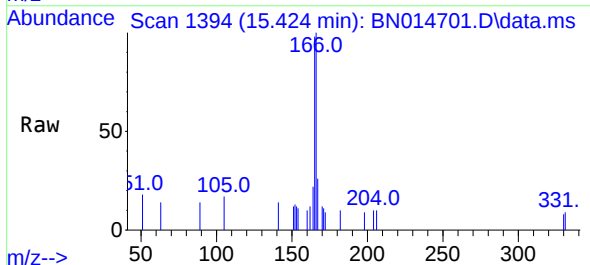
Tgt Ion:154 Resp: 1265
Ion Ratio Lower Upper
154 100
153 115.7 90.2 135.4
152 62.1 46.2 69.2

Manual Integrations
APPROVED

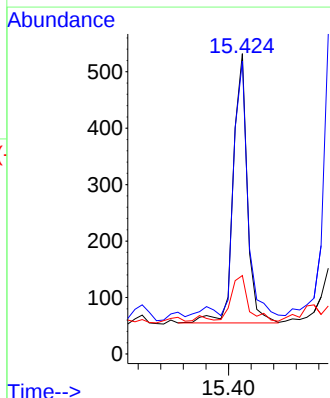
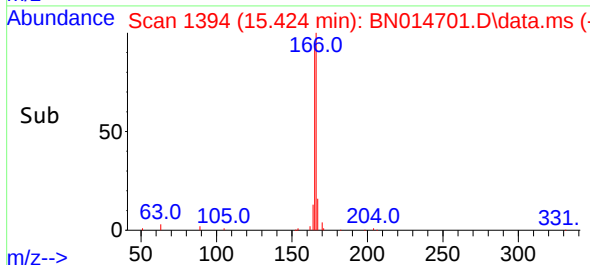
mohammad
5/24/2021 2:37:09 PM

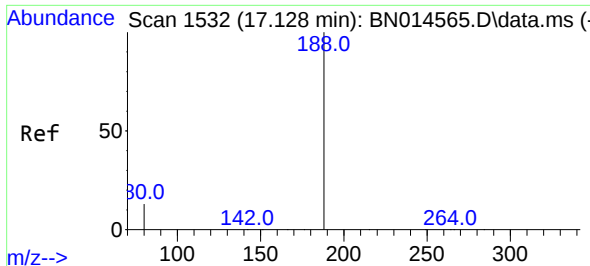


#18
Fluorene
Concen: 0.10 ng
RT: 15.424 min Scan# 1394
Delta R.T. -0.000 min
Lab File: BN014701.D
Acq: 21 May 2021 19:48



Tgt Ion:166 Resp: 823
Ion Ratio Lower Upper
166 100
165 93.0 78.4 117.6
167 20.4 10.7 16.1#





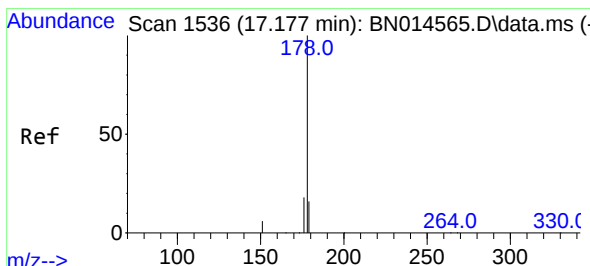
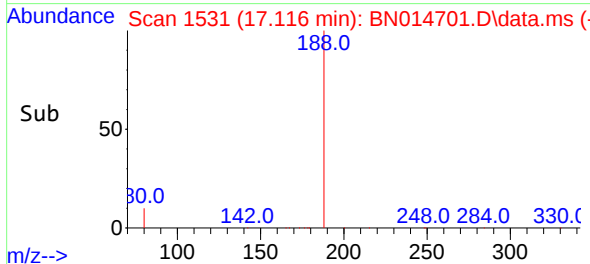
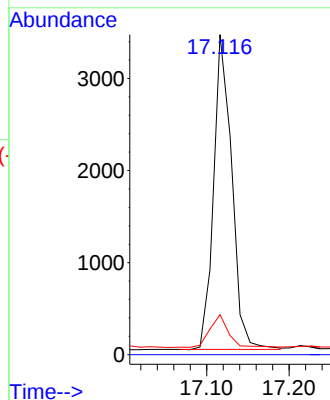
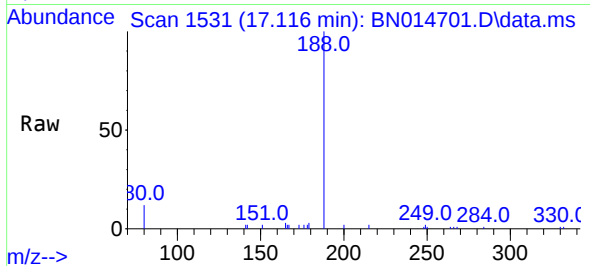
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.116 min Scan# 1531
Delta R.T. -0.000 min
Lab File: BN014701.D
Acq: 21 May 2021 19:48

Tgt Ion:188 Resp: 5229
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.5 5.2 7.8#

Instrument :
BNA_N
ClientSampleId :
KTW-03

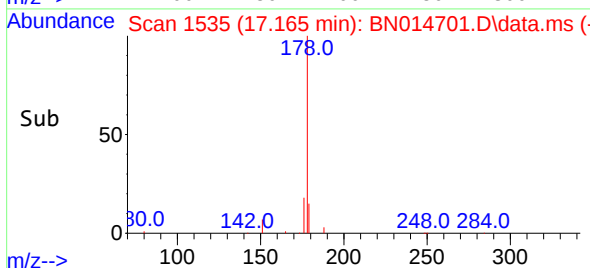
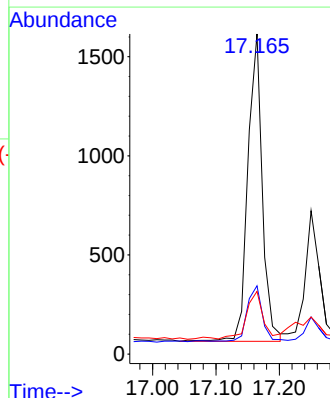
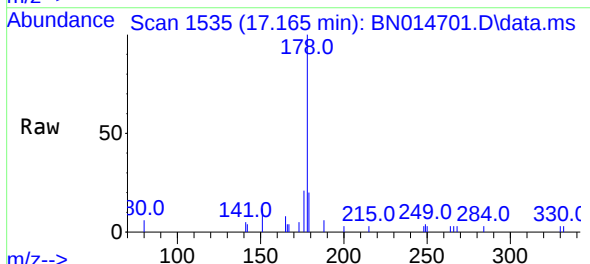
Manual Integrations
APPROVED

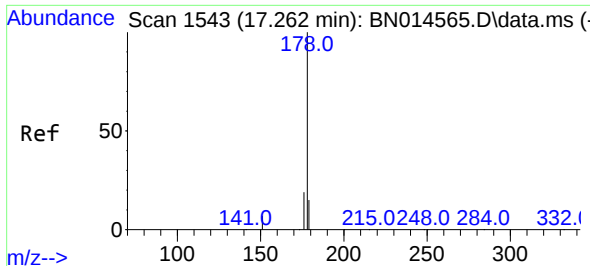
mohammad
5/24/2021 2:37:09 PM



#25
Phenanthrene
Concen: 0.17 ng
RT: 17.165 min Scan# 1535
Delta R.T. -0.000 min
Lab File: BN014701.D
Acq: 21 May 2021 19:48

Tgt Ion:178 Resp: 2457
Ion Ratio Lower Upper
178 100
176 18.2 15.2 22.8
179 16.9 12.4 18.6





#26
 Anthracene
 Concen: 0.07 ng
 RT: 17.250 min Scan# 1542
 Delta R.T. -0.000 min
 Lab File: BN014701.D
 Acq: 21 May 2021 19:48

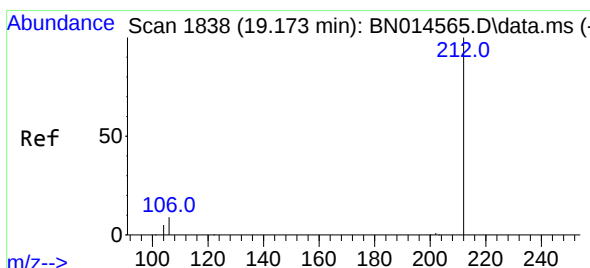
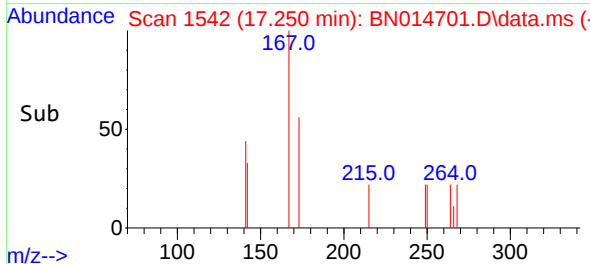
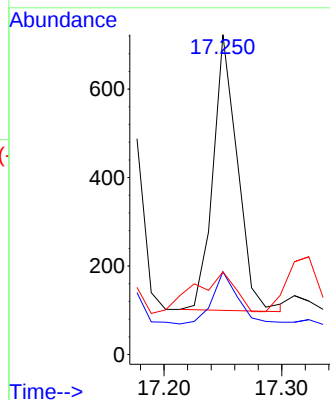
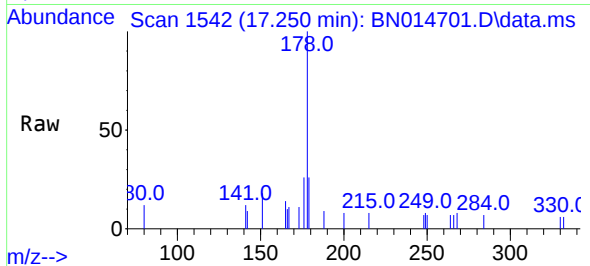
Tgt Ion: 178 Resp: 899

Ion	Ratio	Lower	Upper
178	100		
176	20.0	14.8	22.2
179	25.7	12.2	18.2#

Instrument :
 BNA_N
 ClientSampleID :
 KTW-03

Manual Integrations
 APPROVED

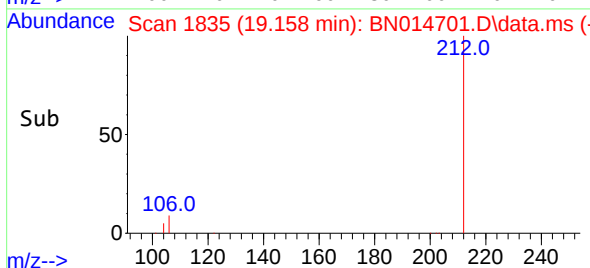
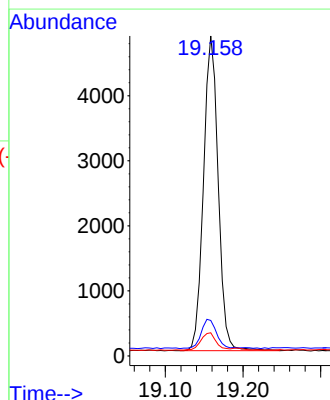
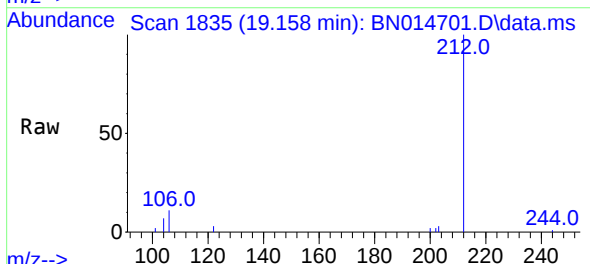
mohammad
 5/24/2021 2:37:09 PM

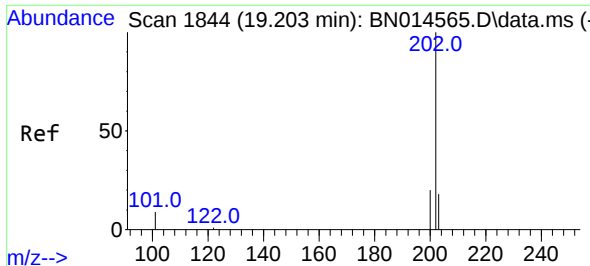


#27
 Fluoranthene-d10
 Concen: 0.27 ng
 RT: 19.158 min Scan# 1835
 Delta R.T. -0.000 min
 Lab File: BN014701.D
 Acq: 21 May 2021 19:48

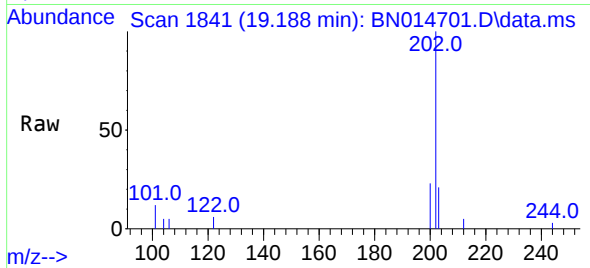
Tgt Ion: 212 Resp: 6368

Ion	Ratio	Lower	Upper
212	100		
106	9.8	10.1	15.1#
104	5.7	5.4	8.2

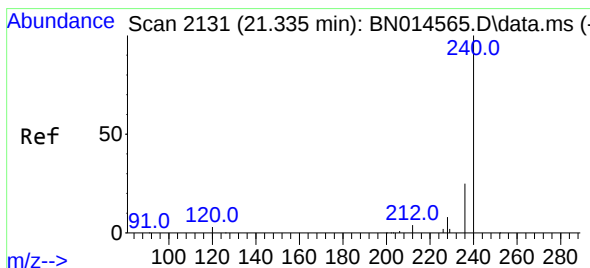
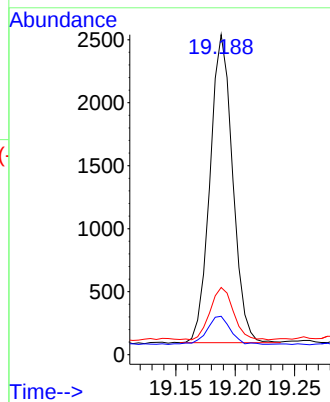
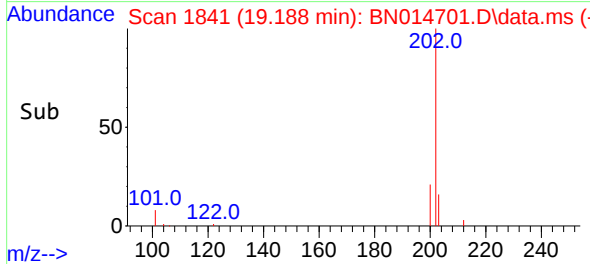




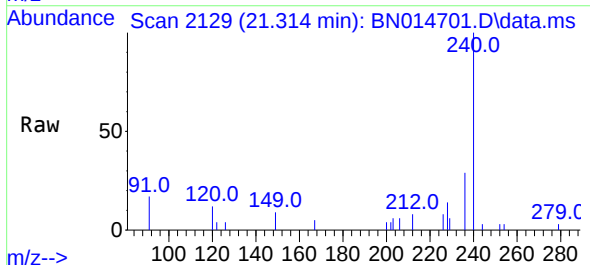
#28
Fluoranthene
Concen: 0.17 ng
RT: 19.188 min Scan# 1841
Delta R.T. -0.000 min
Lab File: BN014701.D
Acq: 21 May 2021 19:48



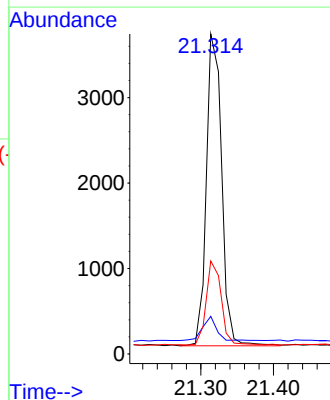
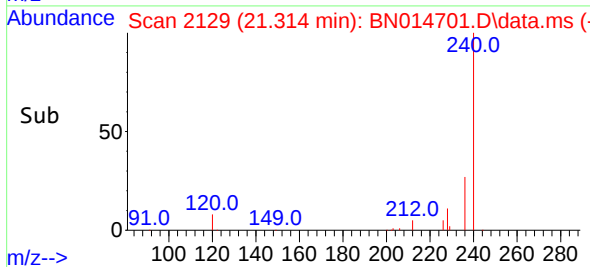
Tgt Ion:202 Resp: 3245
Ion Ratio Lower Upper
202 100
101 9.5 8.4 12.6
203 17.4 13.5 20.3



#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.314 min Scan# 2129
Delta R.T. -0.000 min
Lab File: BN014701.D
Acq: 21 May 2021 19:48



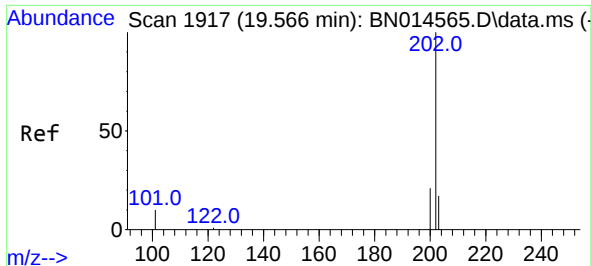
Tgt Ion:240 Resp: 5365
Ion Ratio Lower Upper
240 100
120 11.8 5.8 8.8#
236 29.1 20.6 30.8



Instrument :
BNA_N
ClientSampleId :
KTW-03

Manual Integrations
APPROVED

mohammad
5/24/2021 2:37:09 PM



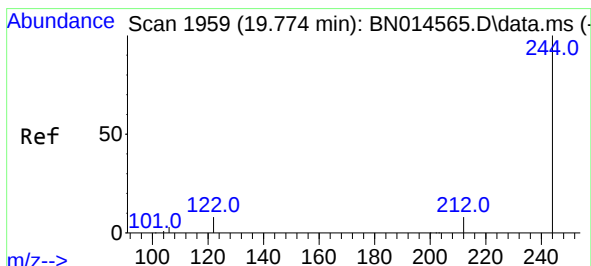
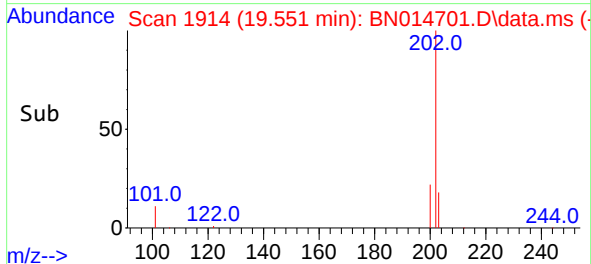
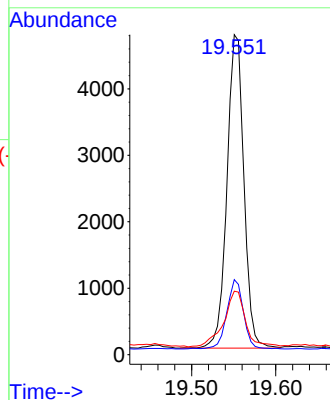
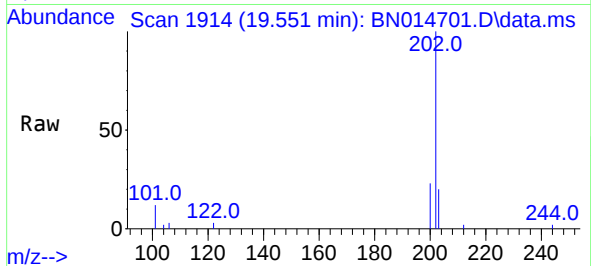
#30
Pyrene
Concen: 0.45 ng
RT: 19.551 min Scan# 1914
Delta R.T. -0.000 min
Lab File: BN014701.D
Acq: 21 May 2021 19:48

Tgt Ion:	202	Resp:	6596
Ion Ratio	Lower	Upper	
202	100		
200	21.7	16.3	24.5
203	22.9	14.0	21.0#

Instrument :
BNA_N
ClientSampleId :
KTW-03

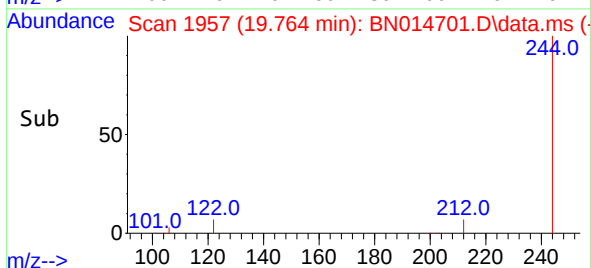
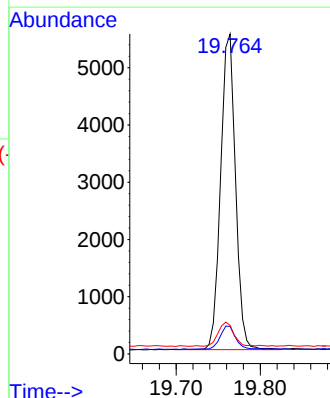
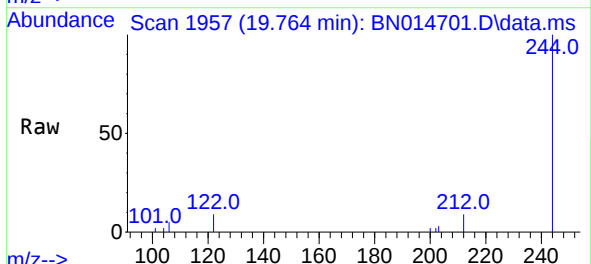
Manual Integrations
APPROVED

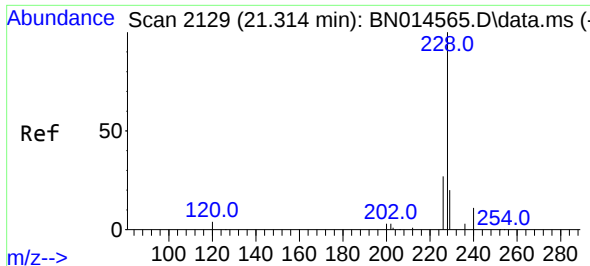
mohammad
5/24/2021 2:37:09 PM



#31
Terphenyl-d14
Concen: 0.53 ng
RT: 19.764 min Scan# 1957
Delta R.T. 0.005 min
Lab File: BN014701.D
Acq: 21 May 2021 19:48

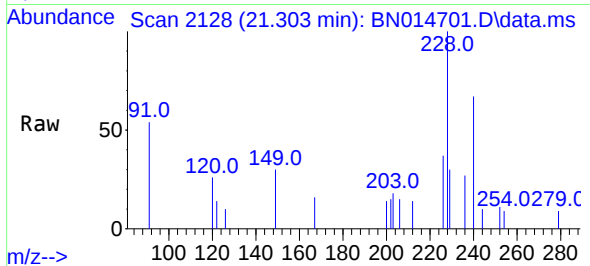
Tgt Ion:	244	Resp:	6750
Ion Ratio	Lower	Upper	
244	100		
212	8.6	6.0	9.0
122	8.9	9.3	13.9#





#32
Benzo(a)anthracene
Concen: 0.10 ng
RT: 21.303 min Scan# 2128
Delta R.T. -0.000 min
Lab File: BN014701.D
Acq: 21 May 2021 19:48

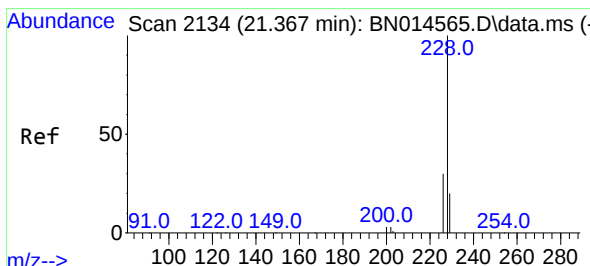
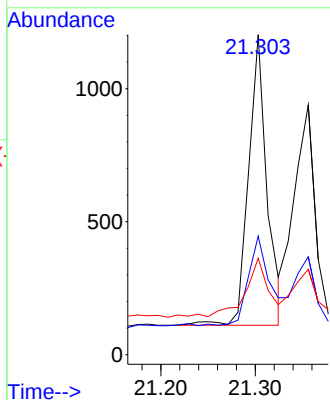
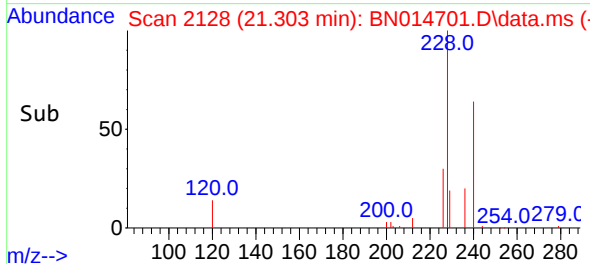
Instrument :
BNA_N
ClientSampleId :
KTW-03



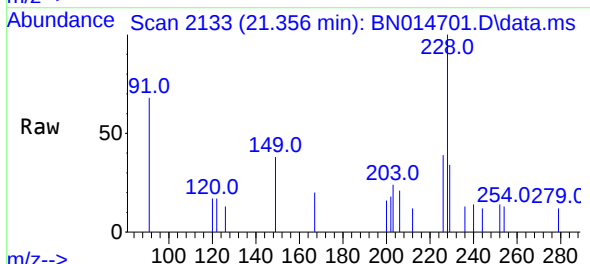
Tgt Ion:228 Resp: 1485
Ion Ratio Lower Upper
228 100
226 37.1 21.7 32.5#
229 30.2 15.7 23.5#

Manual Integrations
APPROVED

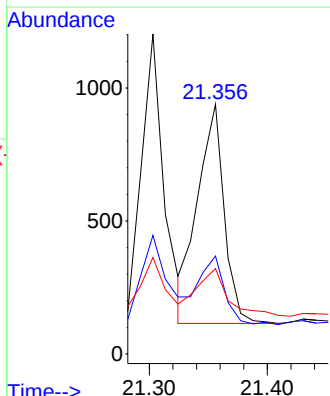
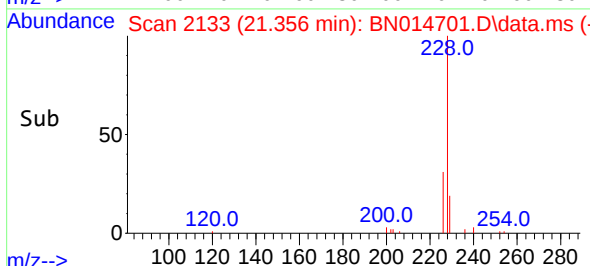
mohammad
5/24/2021 2:37:09 PM

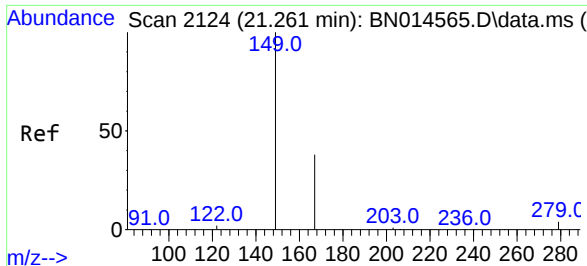


#33
Chrysene
Concen: 0.08 ng
RT: 21.356 min Scan# 2133
Delta R.T. -0.000 min
Lab File: BN014701.D
Acq: 21 May 2021 19:48

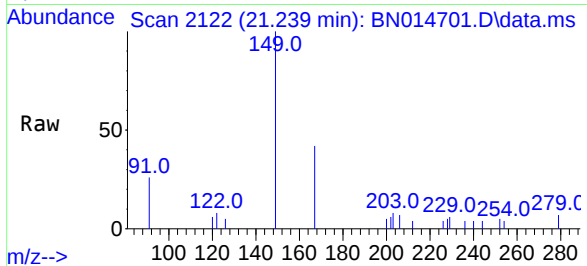


Tgt Ion:228 Resp: 1292
Ion Ratio Lower Upper
228 100
226 39.2 23.8 35.6#
229 34.2 15.6 23.4#

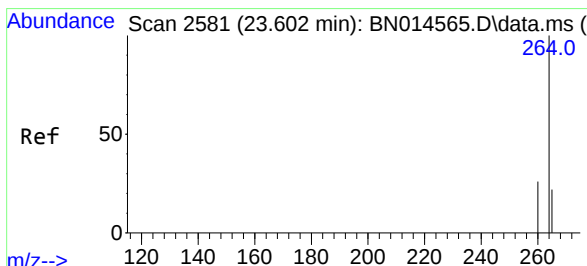
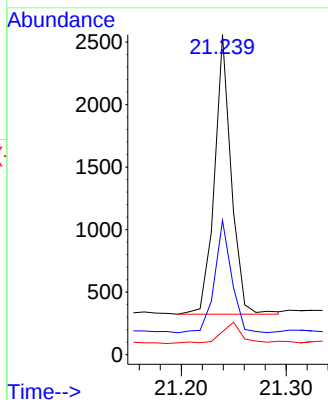
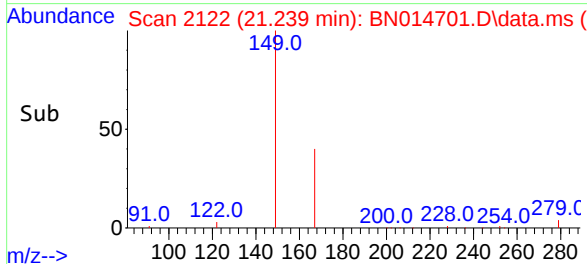




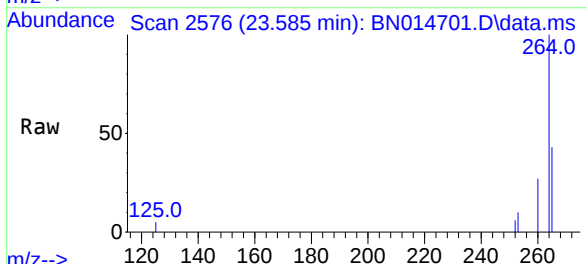
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.57 ng
RT: 21.239 min Scan# 2122
Delta R.T. -0.000 min
Lab File: BN014701.D
Acq: 21 May 2021 19:48



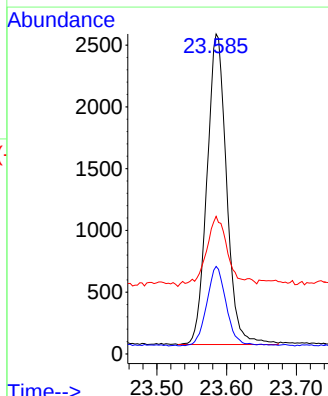
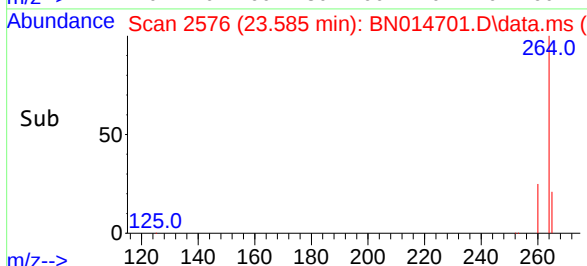
Tgt Ion:149 Resp: 2486
Ion Ratio Lower Upper
149 100
167 40.5 20.5 30.7#
279 9.3 2.9 4.3#



#35
Perylene-d12
Concen: 0.40 ng
RT: 23.585 min Scan# 2576
Delta R.T. -0.000 min
Lab File: BN014701.D
Acq: 21 May 2021 19:48



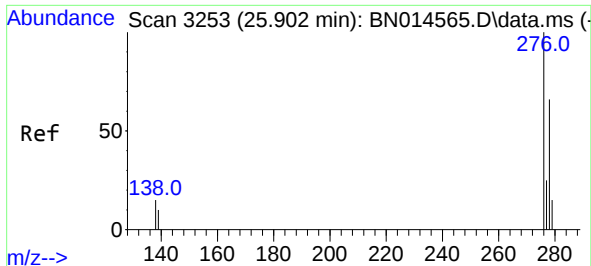
Tgt Ion:264 Resp: 4905
Ion Ratio Lower Upper
264 100
260 27.3 19.5 29.3
265 43.0 35.4 53.0



Instrument :
BNA_N
ClientSampled :
KTW-03

Manual Integrations
APPROVED

mohammad
5/24/2021 2:37:09 PM



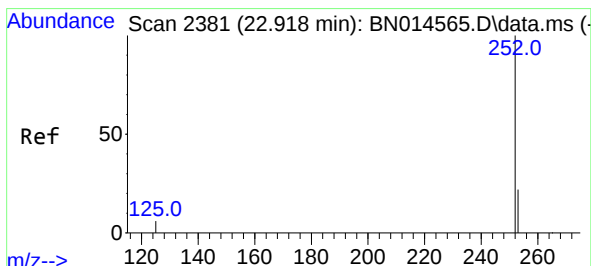
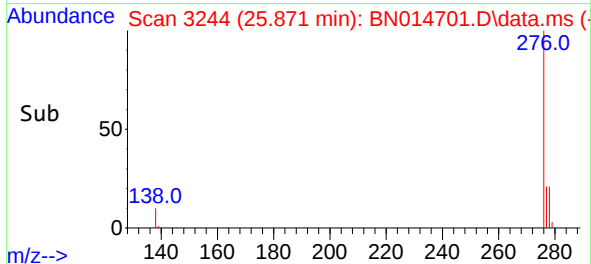
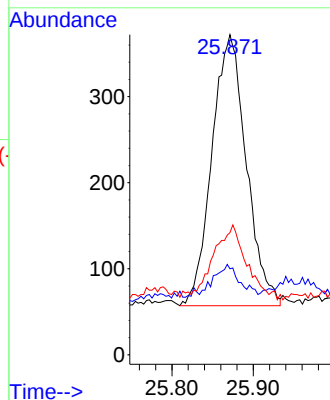
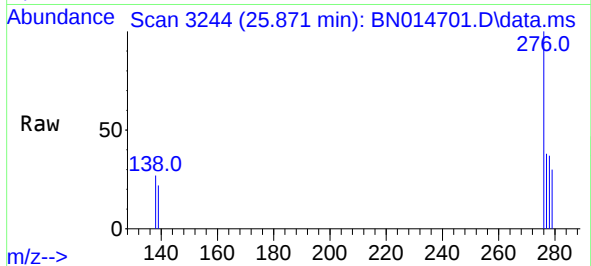
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.05 ng
RT: 25.871 min Scan# 3244
Delta R.T. 0.003 min
Lab File: BN014701.D
Acq: 21 May 2021 19:48

Tgt Ion: 276 Resp: 926
Ion Ratio Lower Upper
276 100
138 7.1 18.8 28.2#
277 26.6 19.8 29.8

Instrument :
BNA_N
ClientSampled :
KTW-03

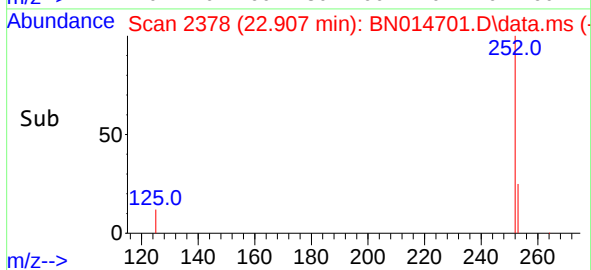
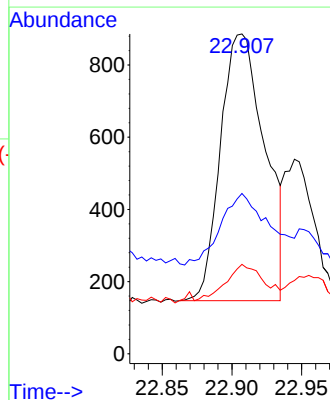
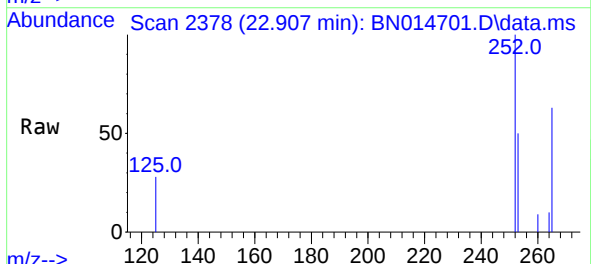
Manual Integrations
APPROVED

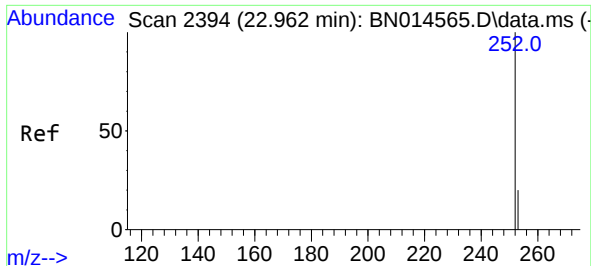
mohammad
5/24/2021 2:37:09 PM



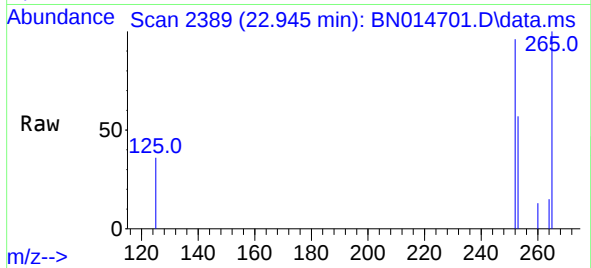
#37
Benzo(b)fluoranthene
Concen: 0.10 ng
RT: 22.907 min Scan# 2378
Delta R.T. 0.007 min
Lab File: BN014701.D
Acq: 21 May 2021 19:48

Tgt Ion: 252 Resp: 1633
Ion Ratio Lower Upper
252 100
253 50.1 19.6 29.4#
125 28.0 10.3 15.5#

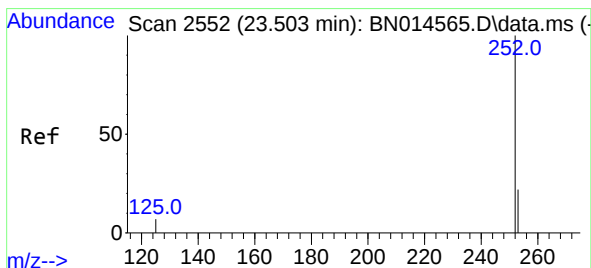
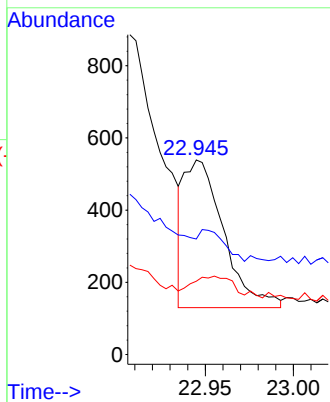
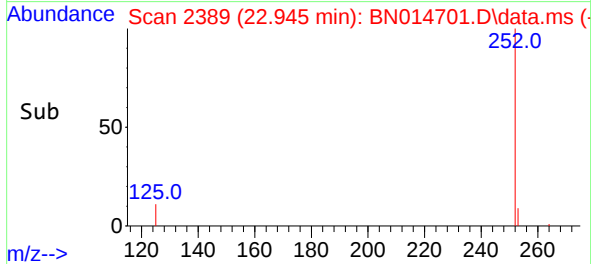




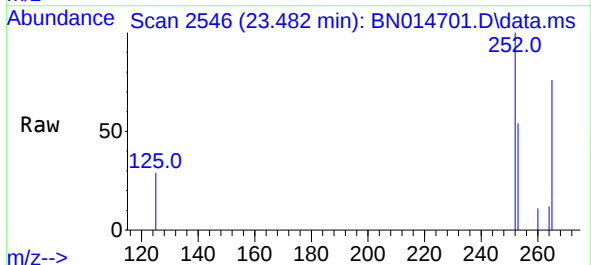
#38
Benzo(k)fluoranthene
Concen: 0.04 ng m
RT: 22.945 min Scan# 2389
Delta R.T. -0.000 min
Lab File: BN014701.D
Acq: 21 May 2021 19:48



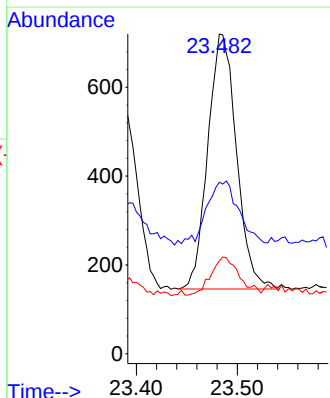
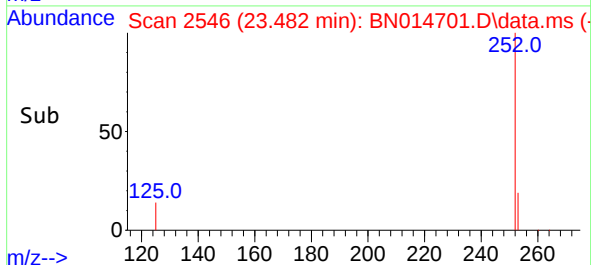
Tgt Ion:252 Resp: 639
Ion Ratio Lower Upper
252 100
253 59.4 19.7 29.5#
125 37.7 9.7 14.5#



#39
Benzo(a)pyrene
Concen: 0.08 ng
RT: 23.482 min Scan# 2546
Delta R.T. -0.000 min
Lab File: BN014701.D
Acq: 21 May 2021 19:48



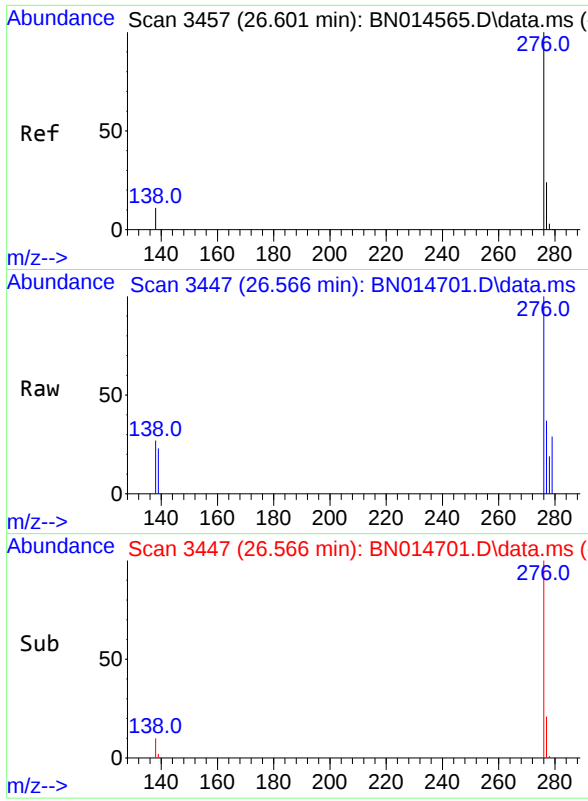
Tgt Ion:252 Resp: 1131
Ion Ratio Lower Upper
252 100
253 53.6 21.8 32.6#
125 29.0 14.9 22.3#



Instrument :
BNA_N
ClientSampleId :
KTW-03

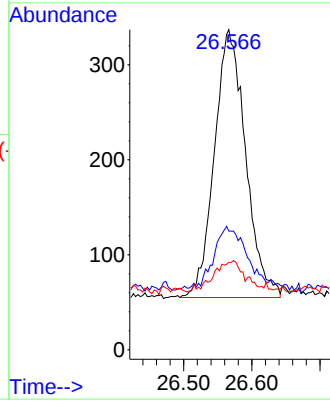
Manual Integrations
APPROVED

mohammad
5/24/2021 2:37:09 PM



#41
Benzo(g,h,i)perylene
Concen: 0.06 ng
RT: 26.566 min Scan# 3447
Delta R.T. -0.000 min
Lab File: BN014701.D
Acq: 21 May 2021 19:48

Tgt Ion:	276	Resp:	896
Ion Ratio	Lower	Upper	
276	100		
277	37.1	19.6	29.4#
138	27.3	17.5	26.3#



Instrument :
BNA_N
ClientSampleId :
KTW-03

Manual Integrations
APPROVED

mohammad
5/24/2021 2:37:09 PM