

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110222\
 Data File : BN022470.D
 Acq On : 02 Nov 2022 18:56
 Operator : CG/JU
 Sample : N5395-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-3-103122

Quant Time: Nov 03 06:25:40 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 02 05:31:40 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 11/03/2022
 Supervised By : mohammad ahmed 11/07/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.928	152	3255	0.400	ng	0.00
7) Naphthalene-d8	10.752	136	10561	0.400	ng	# 0.00
13) Acenaphthene-d10	14.600	164	5121	0.400	ng	0.01
19) Phenanthrene-d10	17.350	188	9350	0.400	ng	0.00
29) Chrysene-d12	21.555	240	7772	0.400	ng	# 0.00
35) Perylene-d12	24.005	264	7955	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.465	112	2751	0.317	ng	0.00
5) Phenol-d6	7.097	99	3570	0.328	ng	0.00
8) Nitrobenzene-d5	9.108	82	2099	0.230	ng	0.00
11) 2-Methylnaphthalene-d10	12.349	152	3370	0.203	ng	0.00
14) 2,4,6-Tribromophenol	16.096	330	664	0.302	ng	0.00
15) 2-Fluorobiphenyl	13.220	172	4965	0.227	ng	0.00
27) Fluoranthene-d10	19.390	212	5093	0.197	ng	0.00
31) Terphenyl-d14	19.989	244	4941	0.244	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.350	93	499	0.048	ng	# 73
9) Naphthalene	10.805	128	21703	0.687	ng	99
16) Acenaphthylene	14.322	152	13565	0.547	ng	98
17) Acenaphthene	14.664	154	6387	0.378	ng	98
18) Fluorene	15.647	166	9487	0.403	ng	# 97
25) Phenanthrene	17.387	178	134852	4.206	ng	100
26) Anthracene	17.486	178	28499	1.055	ng	# 95
28) Fluoranthene	19.420	202	225365	6.484	ng	100
30) Pyrene	19.786	202	195076	5.454	ng	# 95
32) Benzo(a)anthracene	21.537	228	104999	3.432	ng	98
33) Chrysene	21.591	228	93890	2.936	ng	98
34) Bis(2-ethylhexyl)phtha...	21.456	149	17780	0.886	ng	95
36) Indeno(1,2,3-cd)pyrene	26.569	276	60903	1.550	ng	94
37) Benzo(b)fluoranthene	23.257	252	123245	3.384	ng	97
38) Benzo(k)fluoranthene	23.300	252	47934m	1.323	ng	
39) Benzo(a)pyrene	23.894	252	92763m	3.131	ng	
40) Dibenzo(a,h)anthracene	26.584	278	15793	0.515	ng	# 74
41) Benzo(g,h,i)perylene	27.367	276	58202	1.797	ng	99

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

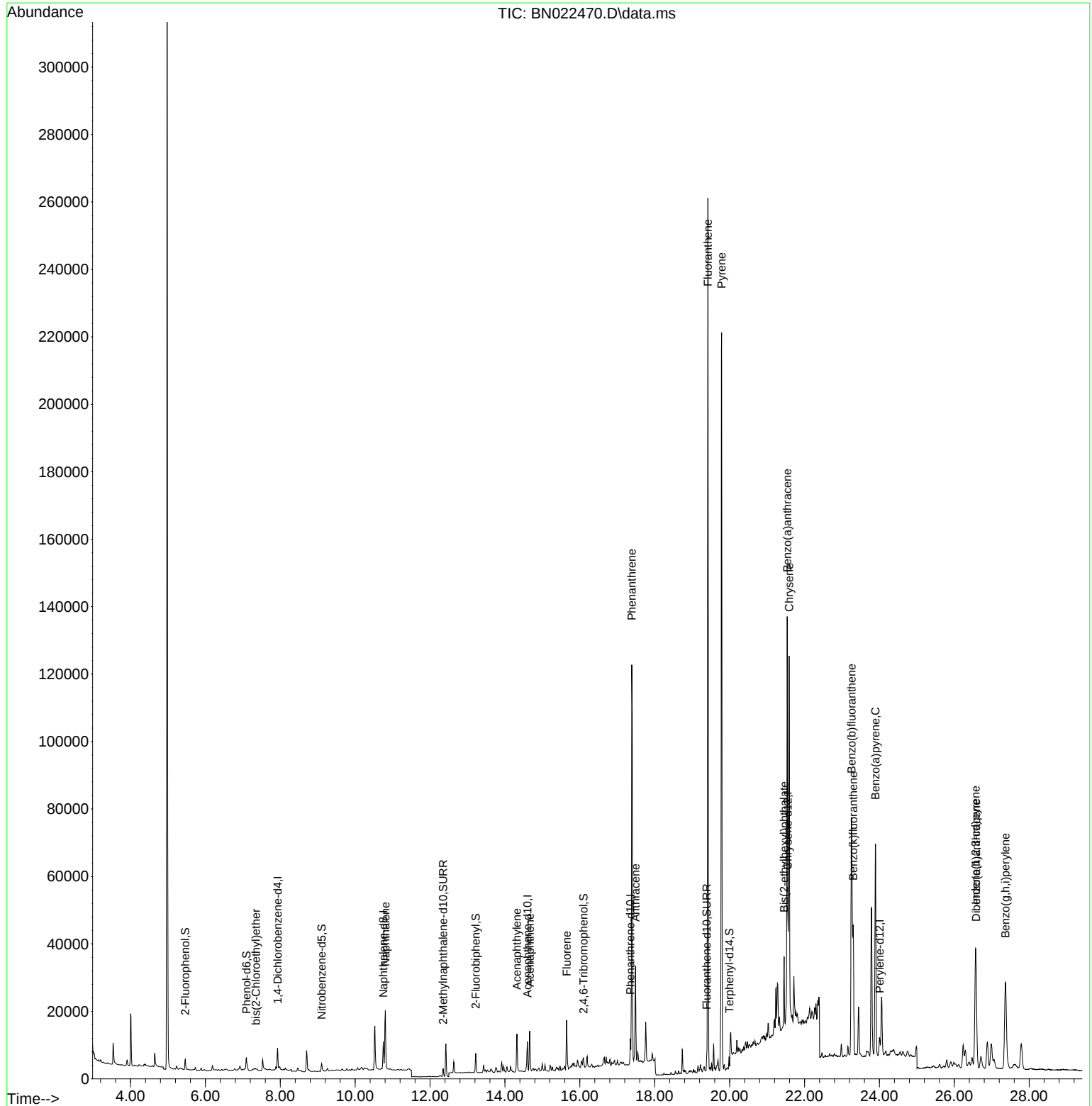
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110222\
Data File : BN022470.D
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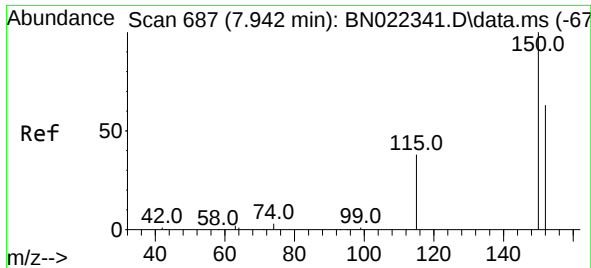
Instrument :
BNA_N
ClientSampleId :
S-3-103122

Quant Time: Nov 03 06:25:40 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 02 05:31:40 2022
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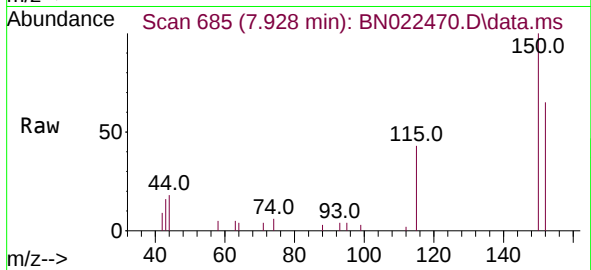
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022





#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.928 min Scan# 687
 Delta R.T. -0.000 min
 Lab File: BN022470.D
 Acq: 02 Nov 2022 18:56

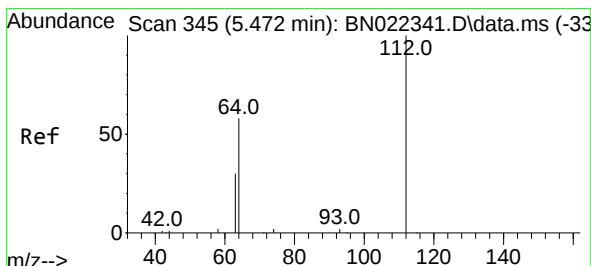
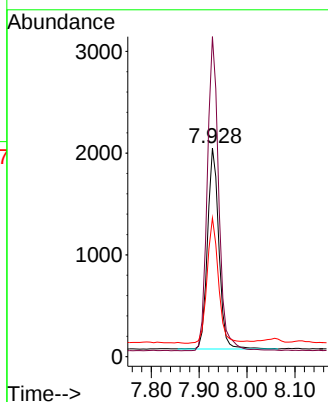
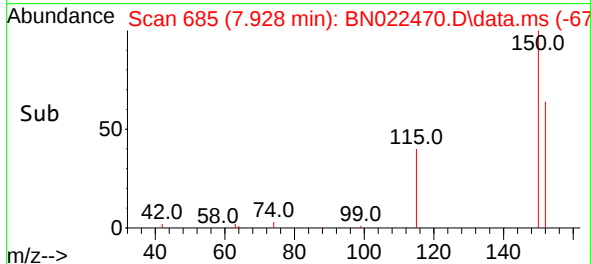
Instrument :
 BNA_N
 ClientSampleId :
 S-3-103122



Tgt Ion:152 Resp: 325
 Ion Ratio Lower Upper
 152 100
 150 153.4 125.2 187.8
 115 66.5 52.0 78.0

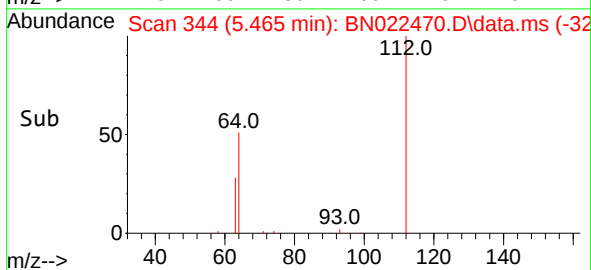
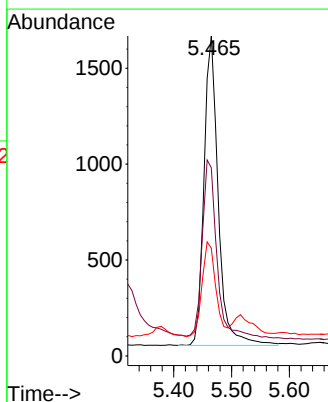
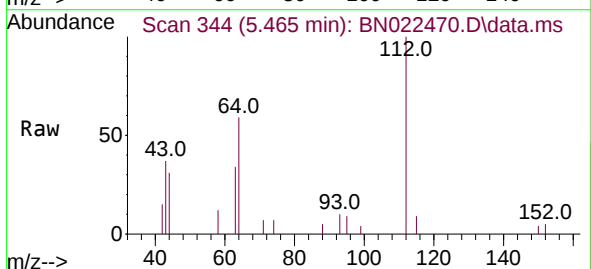
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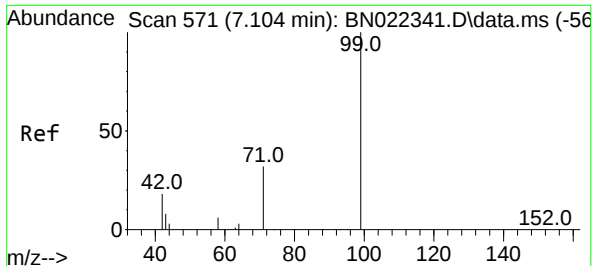
Reviewed By :Christian Giraldo 11/03/2022
 Supervised By :mohammad ahmed 11/07/2022



#4
 2-Fluorophenol
 Concen: 0.317 ng
 RT: 5.465 min Scan# 344
 Delta R.T. 0.007 min
 Lab File: BN022470.D
 Acq: 02 Nov 2022 18:56

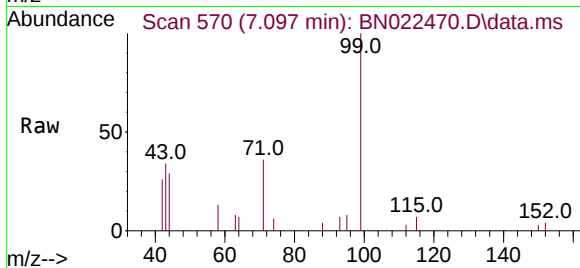
Tgt Ion:112 Resp: 2751
 Ion Ratio Lower Upper
 112 100
 64 59.0 47.0 70.4
 63 29.8 24.5 36.7





#5
Phenol-d6
Concen: 0.328 ng
RT: 7.097 min Scan# 51
Delta R.T. 0.007 min
Lab File: BN022470.D
Acq: 02 Nov 2022 18:56

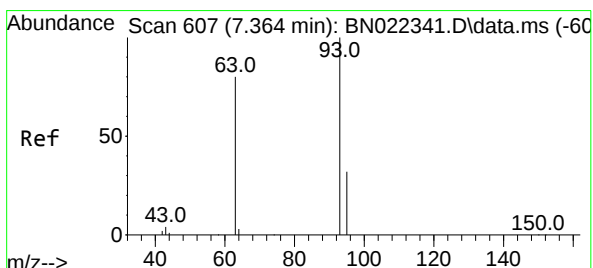
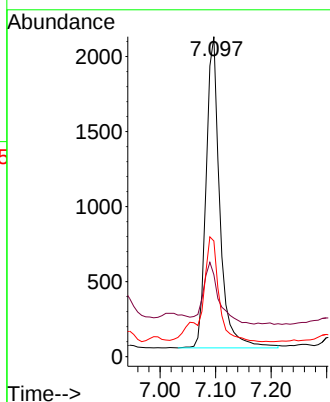
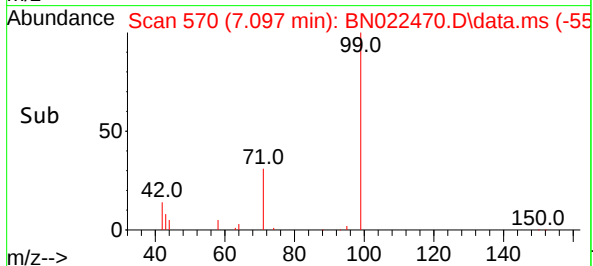
Instrument :
BNA_N
ClientSampleId :
S-3-103122



Tgt Ion: 99 Resp: 3570
Ion Ratio Lower Upper
99 100
42 22.6 16.3 24.5
71 41.0 26.1 39.1

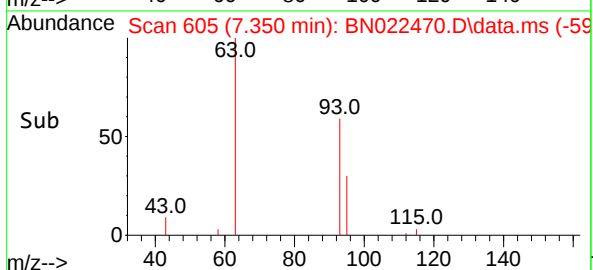
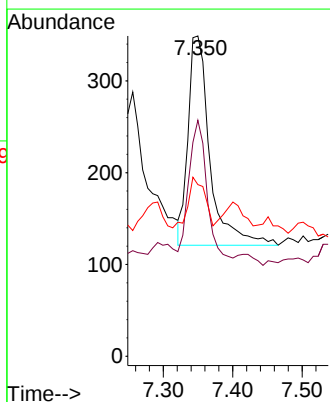
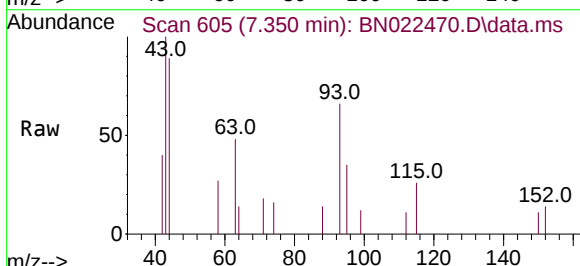
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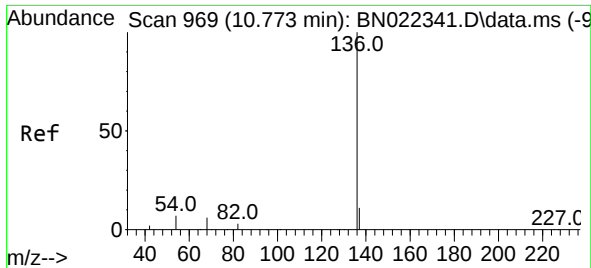
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#6
bis(2-Chloroethyl)ether
Concen: 0.048 ng
RT: 7.350 min Scan# 605
Delta R.T. -0.000 min
Lab File: BN022470.D
Acq: 02 Nov 2022 18:56

Tgt Ion: 93 Resp: 499
Ion Ratio Lower Upper
93 100
63 53.1 62.6 93.8#
95 20.0 26.1 39.1#





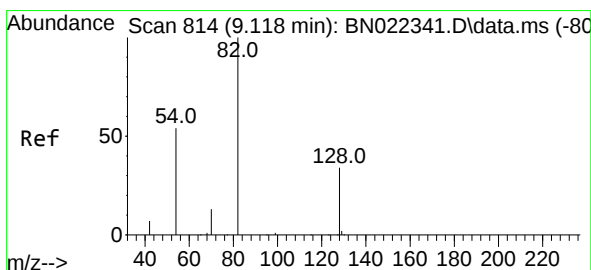
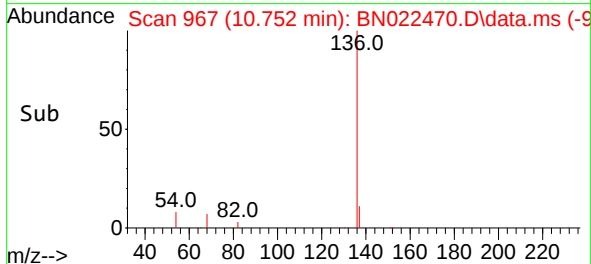
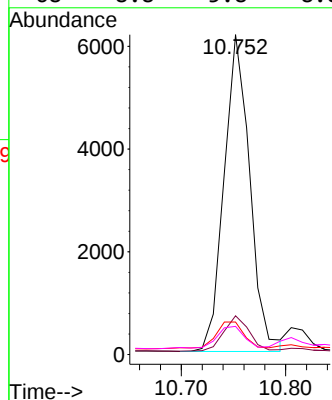
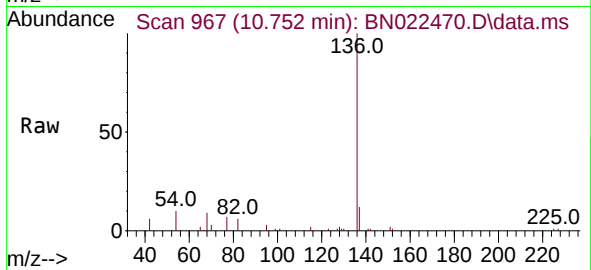
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.752 min Scan# 90
Delta R.T. -0.000 min
Lab File: BN022470.D
Acq: 02 Nov 2022 18:56

Instrument :
BNA_N
ClientSampleId :
S-3-103122

Tgt Ion:	136	Resp:	1056
Ion Ratio	Lower	Upper	
136	100		
137	12.1	9.4	14.2
54	10.2	6.5	9.7
68	8.8	5.8	8.8

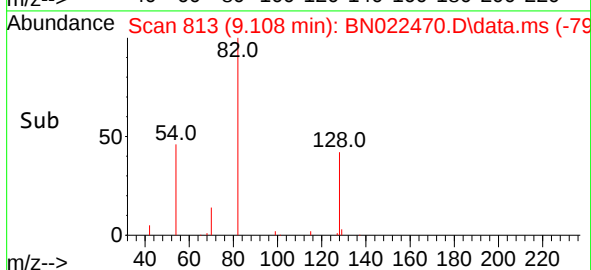
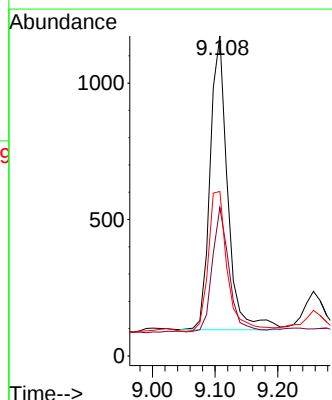
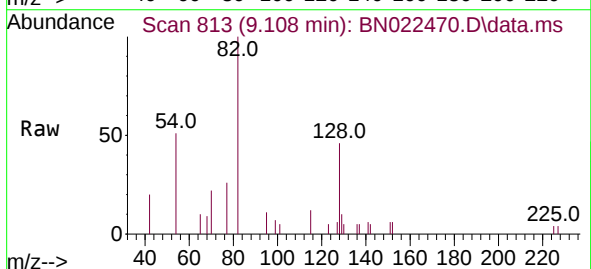
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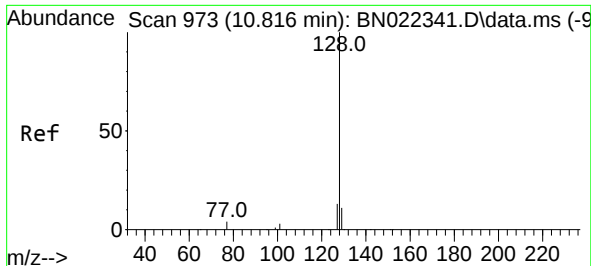
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#8
Nitrobenzene-d5
Concen: 0.230 ng
RT: 9.108 min Scan# 813
Delta R.T. -0.000 min
Lab File: BN022470.D
Acq: 02 Nov 2022 18:56

Tgt Ion:	82	Resp:	2099
Ion Ratio	Lower	Upper	
82	100		
128	46.4	30.5	45.7
54	51.4	45.2	67.8





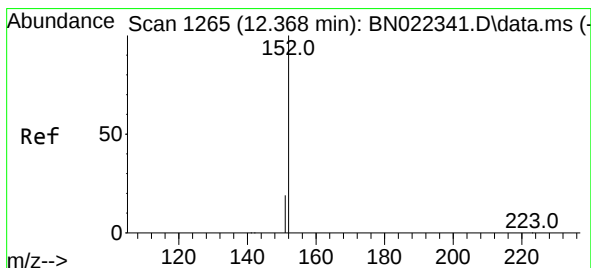
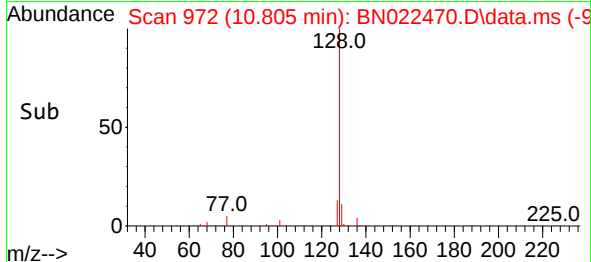
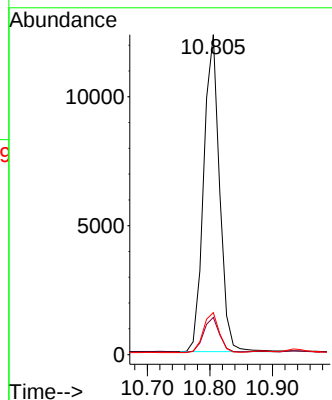
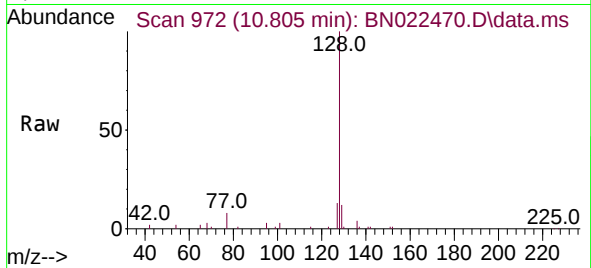
#9
Naphthalene
Concen: 0.687 ng
RT: 10.805 min Scan# 91
Delta R.T. 0.010 min
Lab File: BN022470.D
Acq: 02 Nov 2022 18:56

Instrument :
BNA_N
ClientSampleId :
S-3-103122

Tgt Ion:128 Resp: 21703
Ion Ratio Lower Upper
128 100
129 11.6 9.4 14.2
127 13.2 11.0 16.6

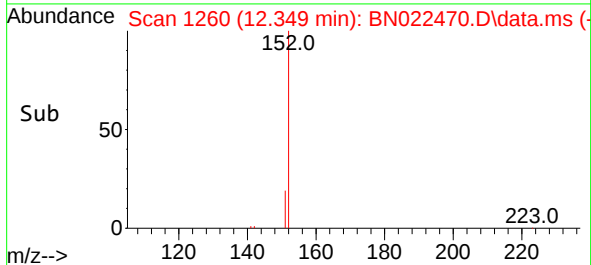
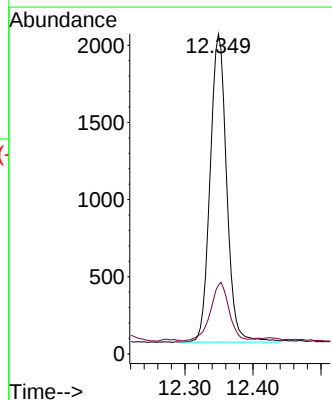
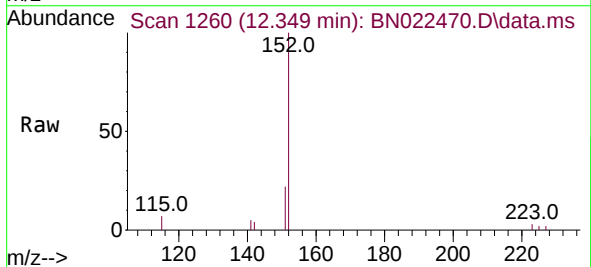
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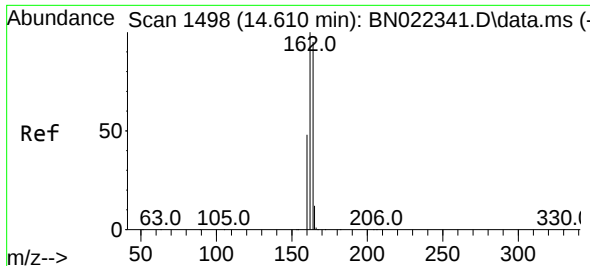
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#11
2-Methylnaphthalene-d10
Concen: 0.203 ng
RT: 12.349 min Scan# 1260
Delta R.T. -0.000 min
Lab File: BN022470.D
Acq: 02 Nov 2022 18:56

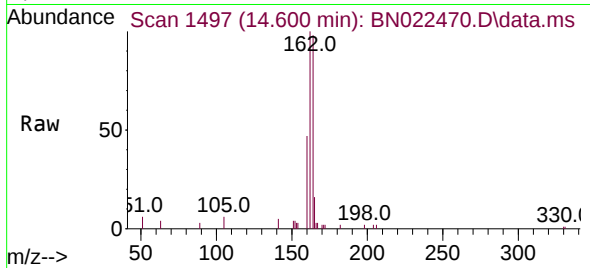
Tgt Ion:152 Resp: 3370
Ion Ratio Lower Upper
152 100
151 21.5 16.7 25.1





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.600 min Scan# 1498
Delta R.T. 0.011 min
Lab File: BN022470.D
Acq: 02 Nov 2022 18:56

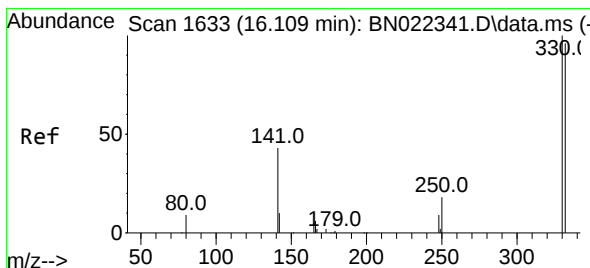
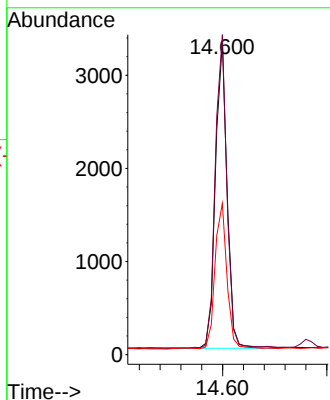
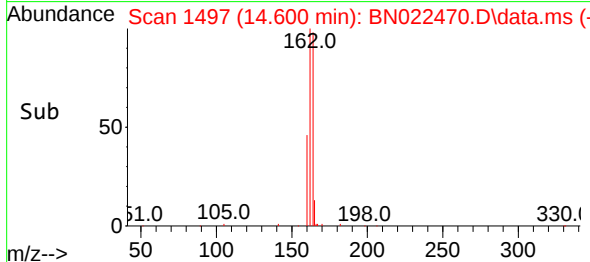
Instrument :
BNA_N
ClientSampleId :
S-3-103122



Tgt Ion:164 Resp: 512
Ion Ratio Lower Upper
164 100
162 102.4 83.9 125.9
160 48.3 41.0 61.4

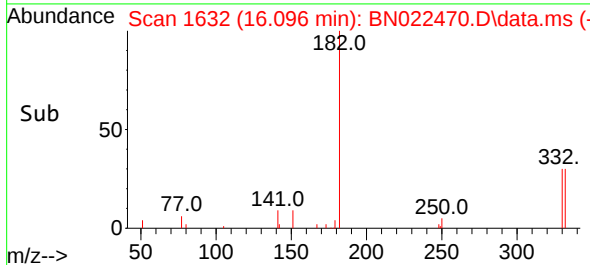
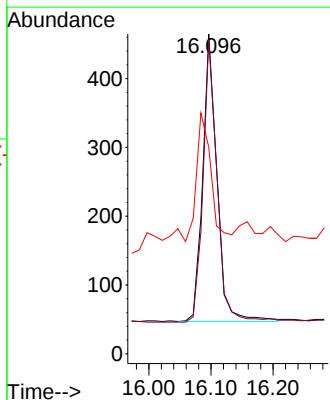
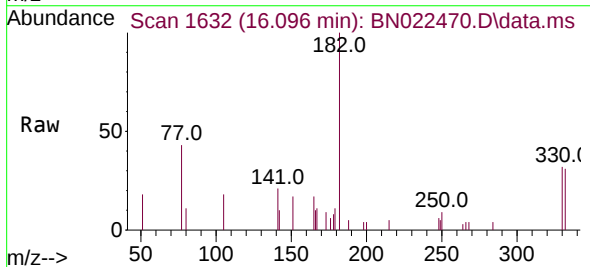
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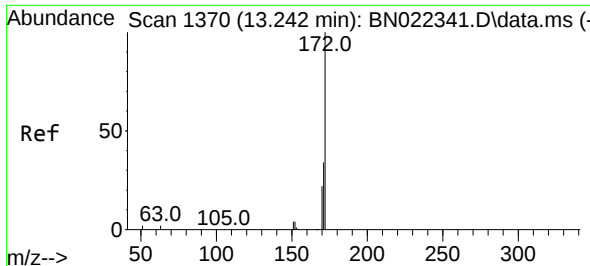
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#14
2,4,6-Tribromophenol
Concen: 0.302 ng
RT: 16.096 min Scan# 1632
Delta R.T. -0.000 min
Lab File: BN022470.D
Acq: 02 Nov 2022 18:56

Tgt Ion:330 Resp: 664
Ion Ratio Lower Upper
330 100
332 97.0 78.6 118.0
141 40.2 40.2 60.4#





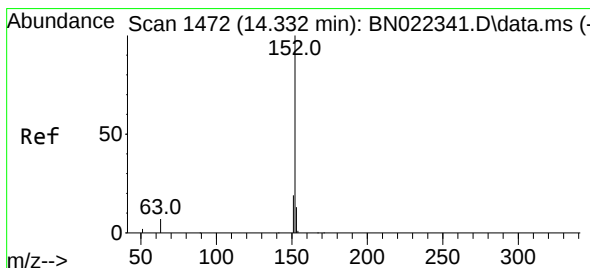
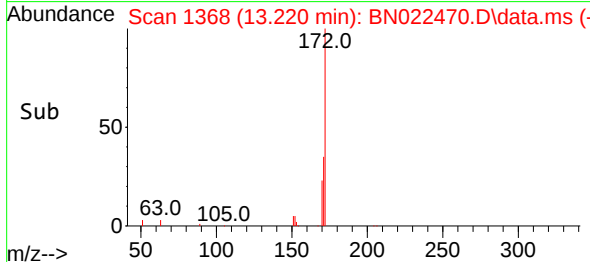
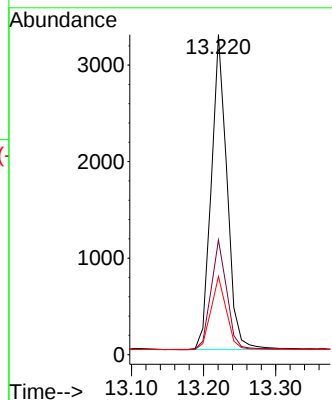
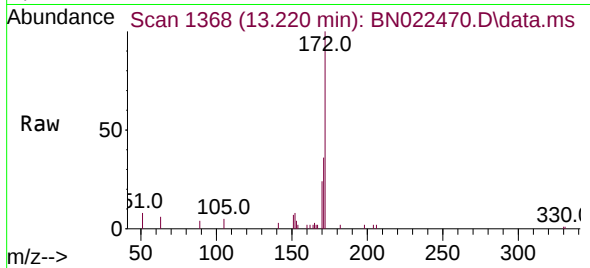
#15
2-Fluorobiphenyl
Concen: 0.227 ng
RT: 13.220 min Scan# 1368
Delta R.T. -0.000 min
Lab File: BN022470.D
Acq: 02 Nov 2022 18:56

Instrument :
BNA_N
ClientSampleId :
S-3-103122

Tgt Ion:172 Resp: 4965
Ion Ratio Lower Upper
172 100
171 35.8 27.4 41.0
170 24.4 18.5 27.7

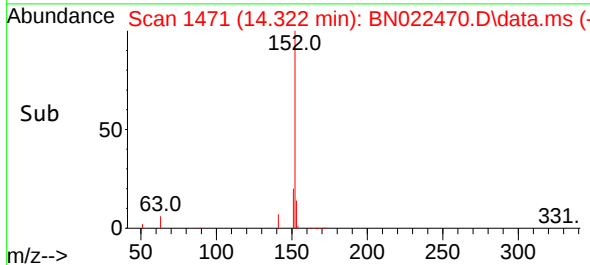
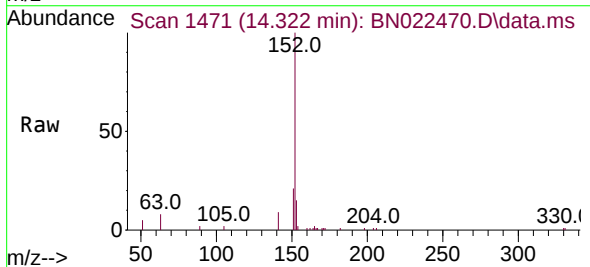
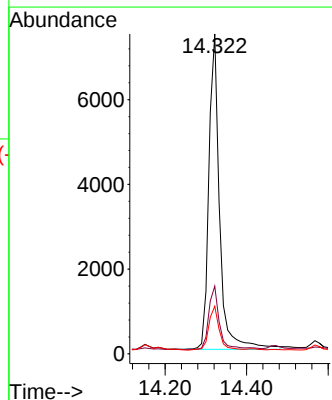
Manual Integrations
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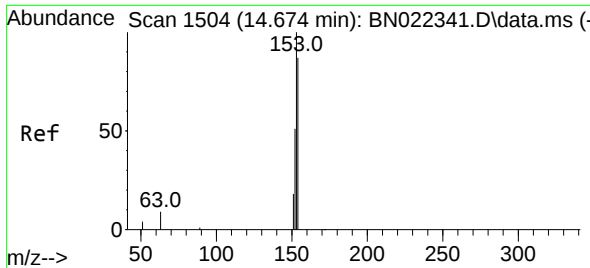
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#16
Acenaphthylene
Concen: 0.547 ng
RT: 14.322 min Scan# 1471
Delta R.T. 0.010 min
Lab File: BN022470.D
Acq: 02 Nov 2022 18:56

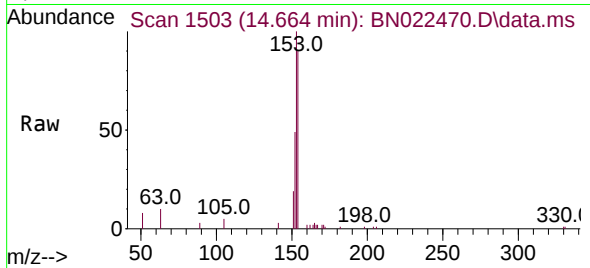
Tgt Ion:152 Resp: 13565
Ion Ratio Lower Upper
152 100
151 20.2 15.2 22.8
153 13.6 10.3 15.5





#17
Acenaphthene
Concen: 0.378 ng
RT: 14.664 min Scan# 1503
Delta R.T. 0.011 min
Lab File: BN022470.D
Acq: 02 Nov 2022 18:56

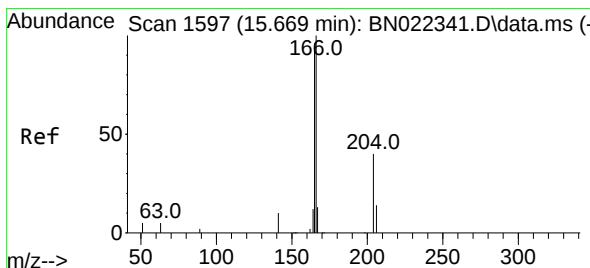
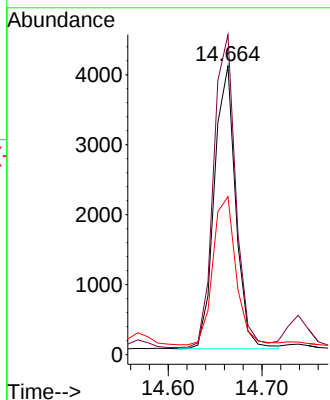
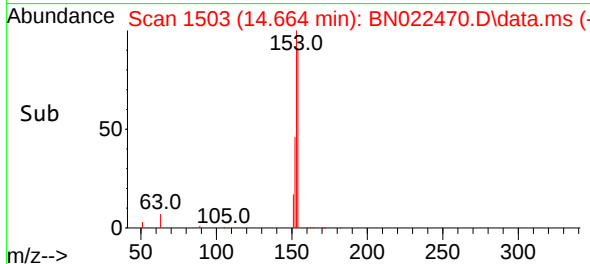
Instrument :
BNA_N
ClientSampleId :
S-3-103122



Tgt Ion:154 Resp: 6387
Ion Ratio Lower Upper
154 100
153 114.5 92.2 138.2
152 56.6 47.6 71.4

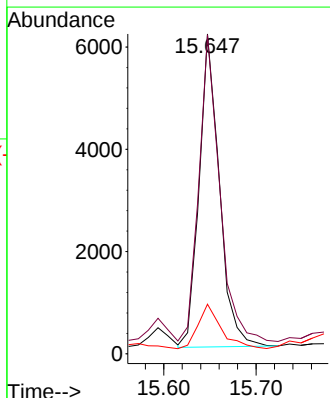
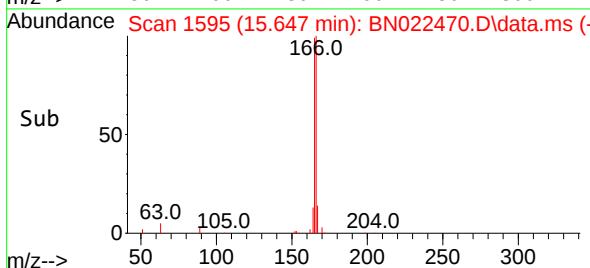
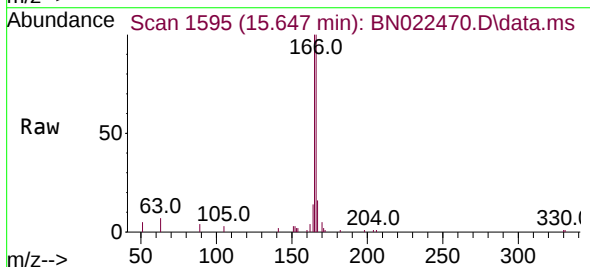
Manual Integrations
APPROVED

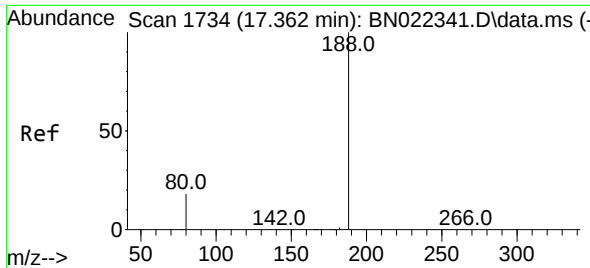
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#18
Fluorene
Concen: 0.403 ng
RT: 15.647 min Scan# 1595
Delta R.T. -0.000 min
Lab File: BN022470.D
Acq: 02 Nov 2022 18:56

Tgt Ion:166 Resp: 9487
Ion Ratio Lower Upper
166 100
165 100.1 78.6 118.0
167 16.1 10.2 15.4#





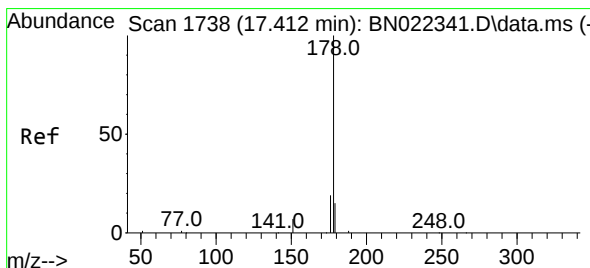
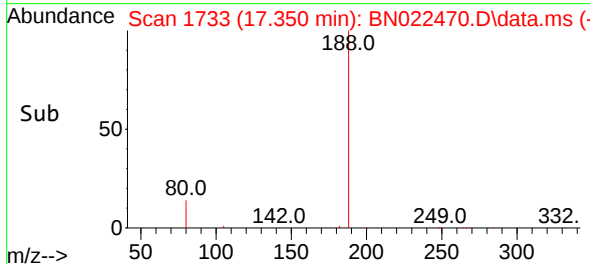
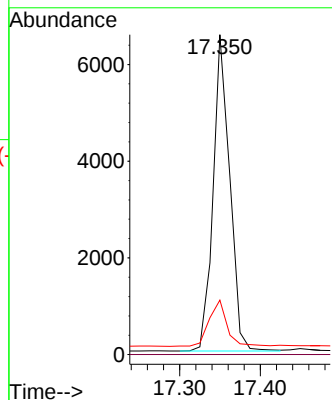
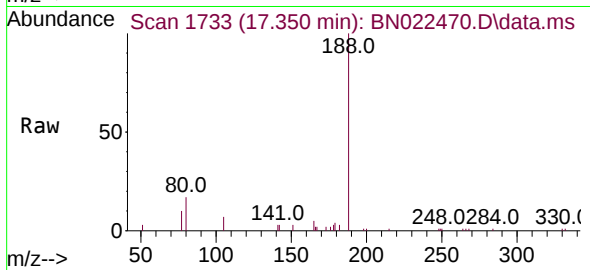
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.350 min Scan# 1734
Delta R.T. -0.000 min
Lab File: BN022470.D
Acq: 02 Nov 2022 18:56

Instrument :
BNA_N
ClientSampleId :
S-3-103122

Tgt Ion:188 Resp: 9350
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 17.0 15.0 22.6

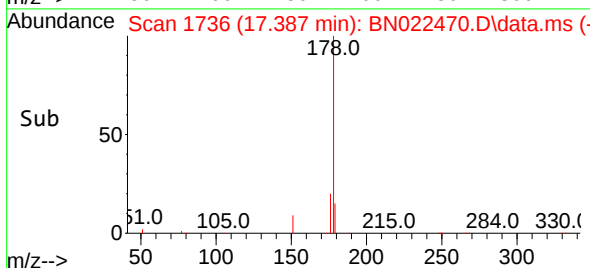
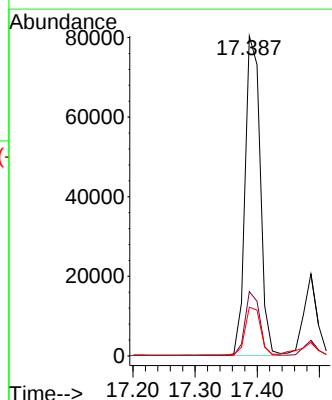
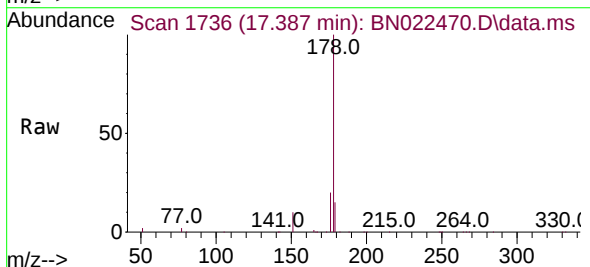
Manual Integrations
APPROVED

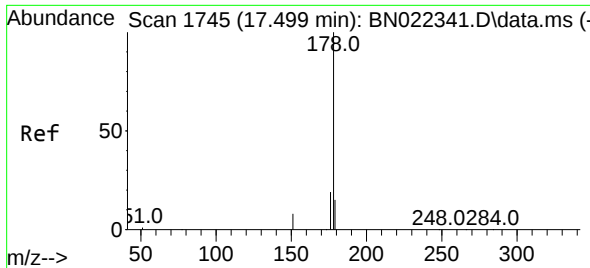
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#25
Phenanthrene
Concen: 4.206 ng
RT: 17.387 min Scan# 1736
Delta R.T. -0.000 min
Lab File: BN022470.D
Acq: 02 Nov 2022 18:56

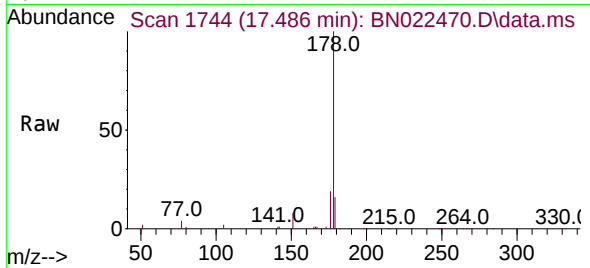
Tgt Ion:178 Resp: 134852
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.5 12.5 18.7





#26
 Anthracene
 Concen: 1.055 ng
 RT: 17.486 min Scan# 1744
 Delta R.T. -0.000 min
 Lab File: BN022470.D
 Acq: 02 Nov 2022 18:56

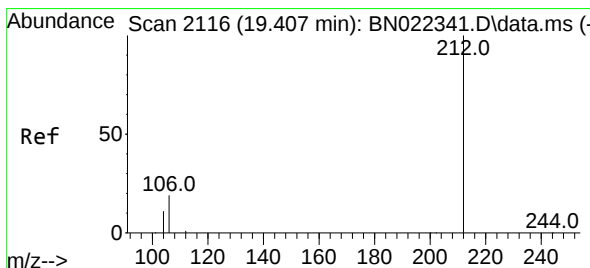
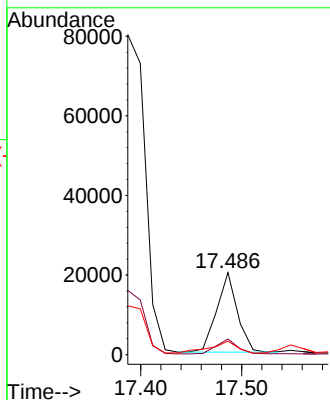
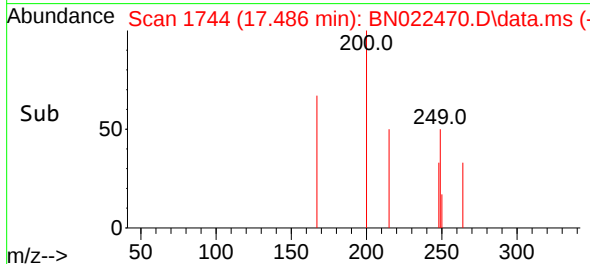
Instrument :
 BNA_N
 ClientSampleId :
 S-3-103122



Tgt Ion:178 Resp: 28499
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.0 22.4
 179 18.7 12.2 18.4

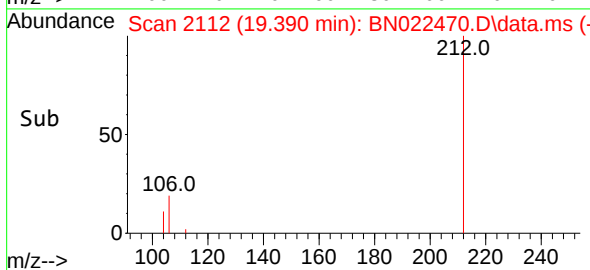
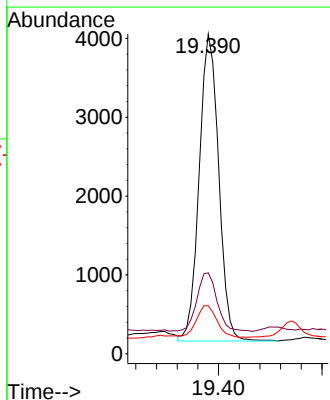
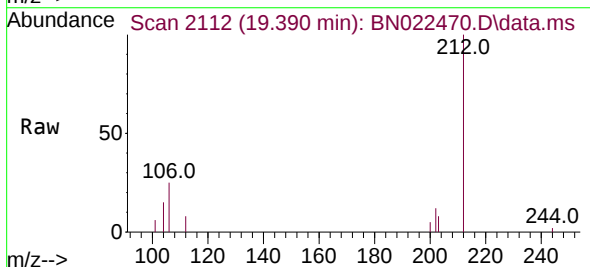
Manual Integrations
 APPROVED

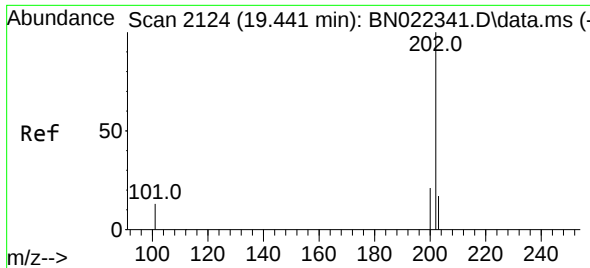
Reviewed By :Christian Giraldo 11/03/2022
 Supervised By :mohammad ahmed 11/07/2022



#27
 Fluoranthene-d10
 Concen: 0.197 ng
 RT: 19.390 min Scan# 2112
 Delta R.T. -0.000 min
 Lab File: BN022470.D
 Acq: 02 Nov 2022 18:56

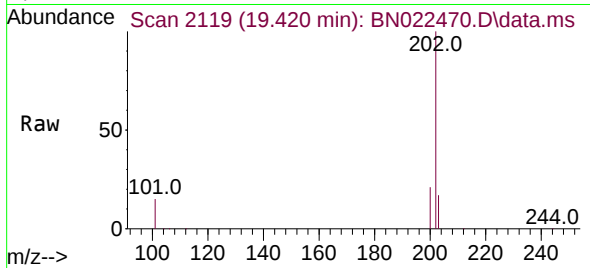
Tgt Ion:212 Resp: 5093
 Ion Ratio Lower Upper
 212 100
 106 19.7 15.0 22.4
 104 10.9 9.3 13.9





#28
Fluoranthene
Concen: 6.484 ng
RT: 19.420 min Scan# 2119
Delta R.T. -0.000 min
Lab File: BN022470.D
Acq: 02 Nov 2022 18:56

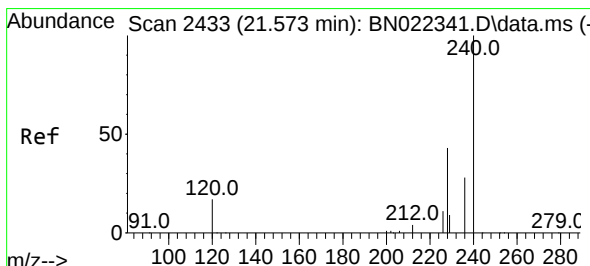
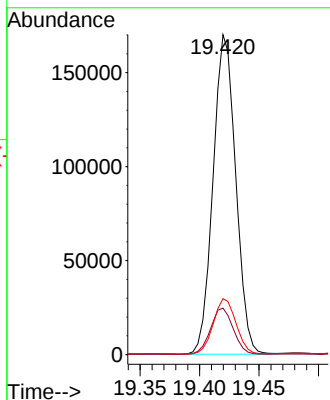
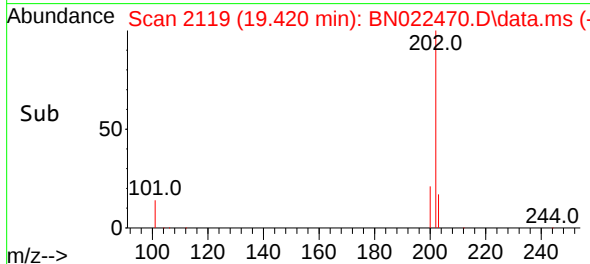
Instrument :
BNA_N
ClientSampleId :
S-3-103122



Tgt Ion:202 Resp: 225365
Ion Ratio Lower Upper
202 100
101 14.4 11.4 17.0
203 17.3 13.7 20.5

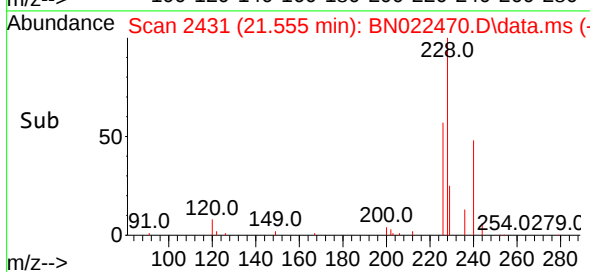
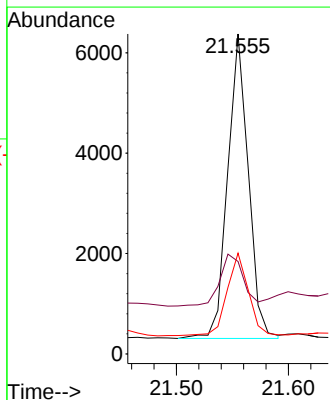
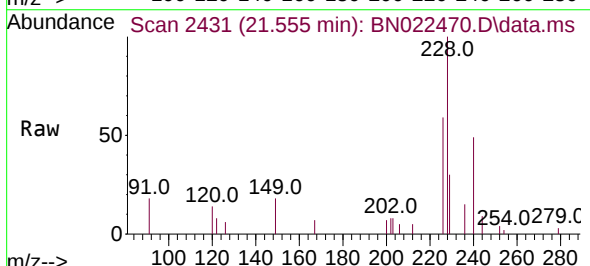
Manual Integrations
APPROVED

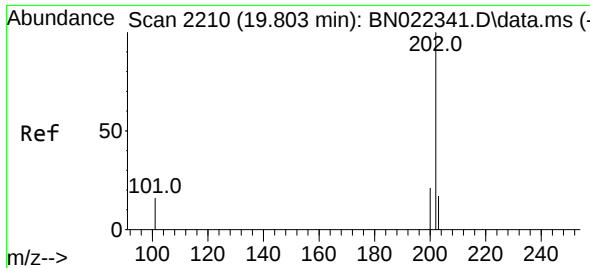
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.555 min Scan# 2431
Delta R.T. -0.000 min
Lab File: BN022470.D
Acq: 02 Nov 2022 18:56

Tgt Ion:240 Resp: 7772
Ion Ratio Lower Upper
240 100
120 28.9 15.8 23.6#
236 31.5 23.2 34.8





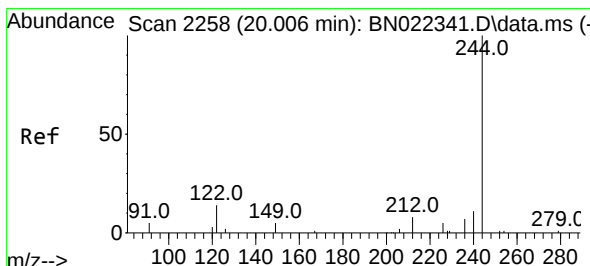
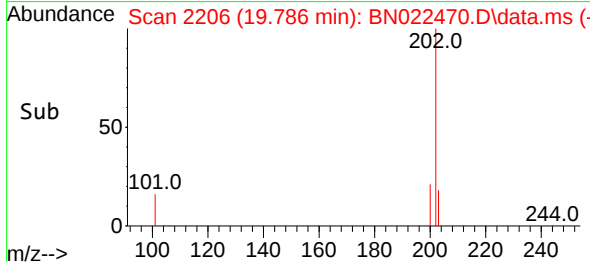
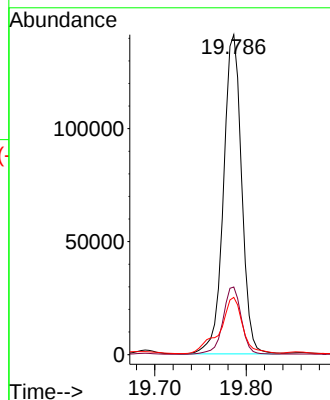
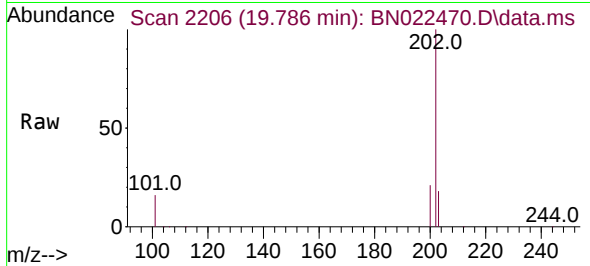
#30
Pyrene
Concen: 5.454 ng
RT: 19.786 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN022470.D
Acq: 02 Nov 2022 18:56

Instrument :
BNA_N
ClientSampleId :
S-3-103122

Tgt Ion:202 Resp: 195076
Ion Ratio Lower Upper
202 100
200 21.3 16.8 25.2
203 22.2 14.2 21.2

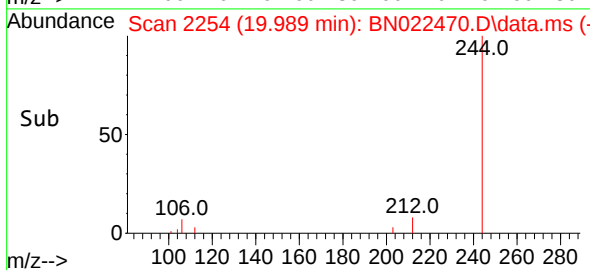
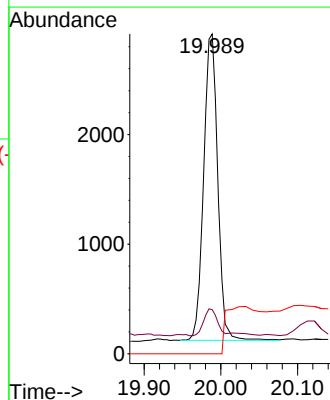
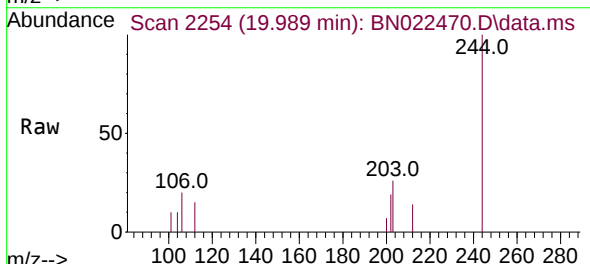
Manual Integrations
APPROVED

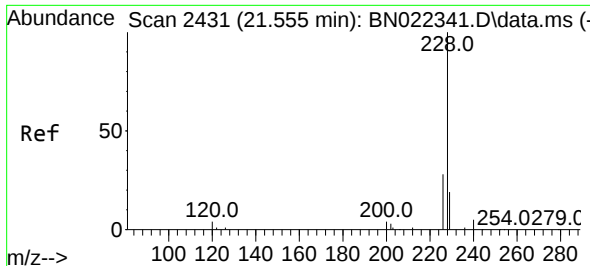
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#31
Terphenyl-d14
Concen: 0.244 ng
RT: 19.989 min Scan# 2254
Delta R.T. 0.004 min
Lab File: BN022470.D
Acq: 02 Nov 2022 18:56

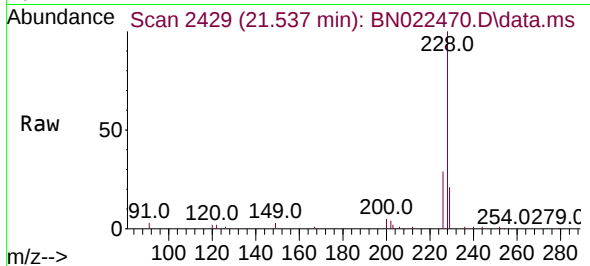
Tgt Ion:244 Resp: 4941
Ion Ratio Lower Upper
244 100
212 13.8 7.0 10.4#
122 0.0 11.5 17.3#





#32
Benzo(a)anthracene
Concen: 3.432 ng
RT: 21.537 min Scan# 2429
Delta R.T. -0.000 min
Lab File: BN022470.D
Acq: 02 Nov 2022 18:56

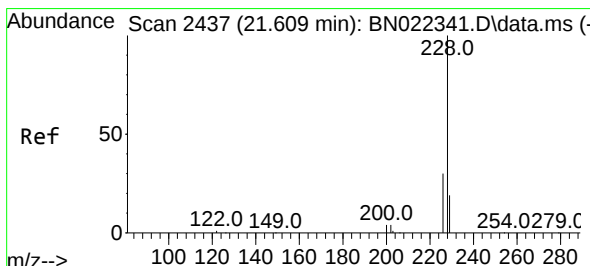
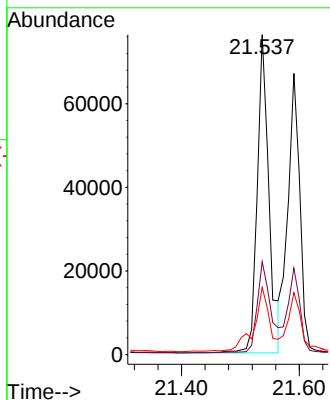
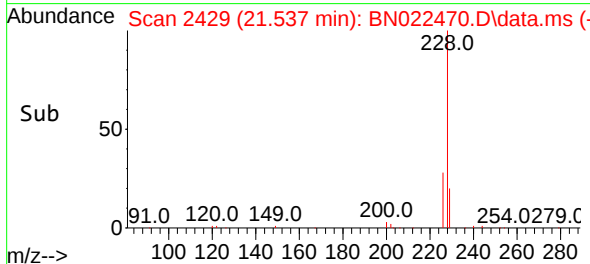
Instrument :
BNA_N
ClientSampleId :
S-3-103122



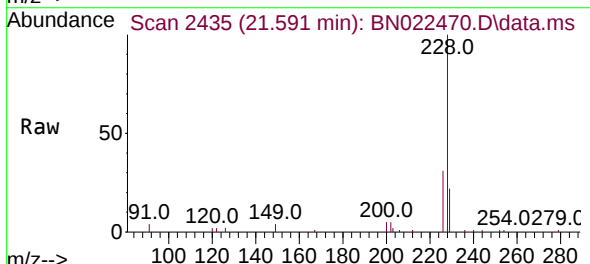
Tgt Ion:228 Resp: 104999
Ion Ratio Lower Upper
228 100
226 29.0 22.6 34.0
229 21.0 15.5 23.3

Manual Integrations
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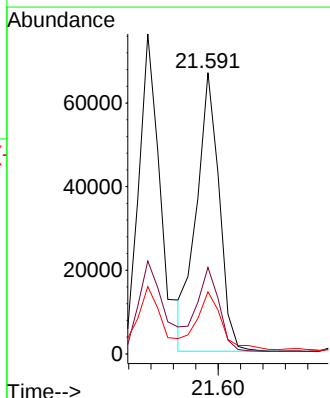
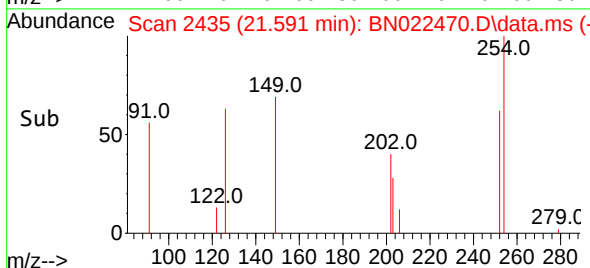
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022

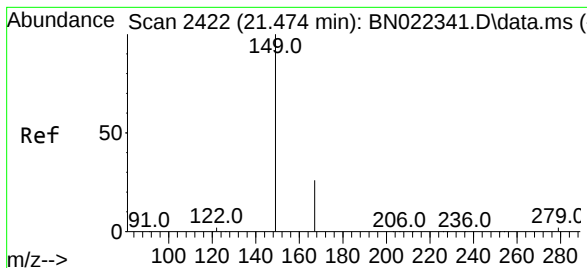


#33
Chrysene
Concen: 2.936 ng
RT: 21.591 min Scan# 2435
Delta R.T. -0.000 min
Lab File: BN022470.D
Acq: 02 Nov 2022 18:56



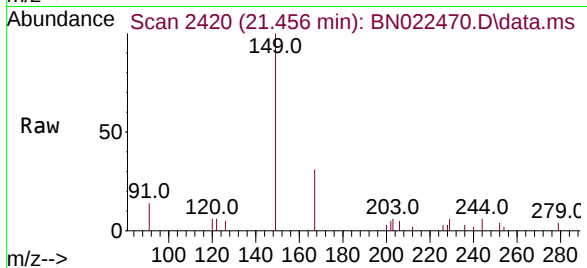
Tgt Ion:228 Resp: 93890
Ion Ratio Lower Upper
228 100
226 30.7 24.5 36.7
229 22.1 15.6 23.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.886 ng
RT: 21.456 min Scan# 2422
Delta R.T. 0.009 min
Lab File: BN022470.D
Acq: 02 Nov 2022 18:56

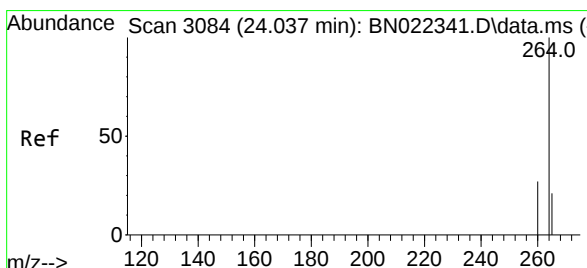
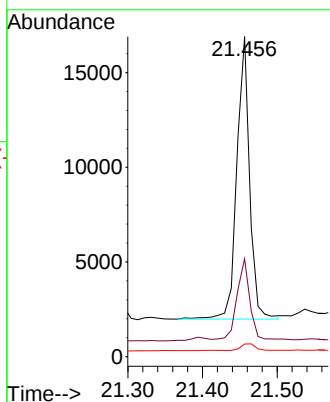
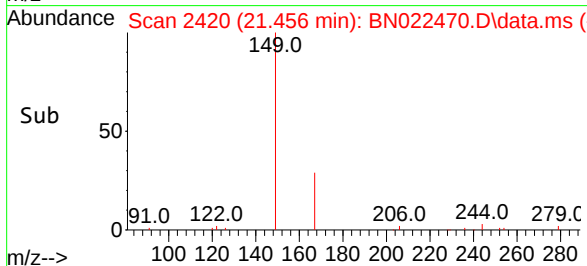
Instrument :
BNA_N
ClientSampleId :
S-3-103122



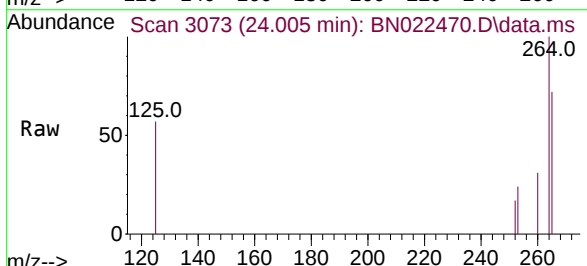
Tgt Ion:149 Resp: 17780
Ion Ratio Lower Upper
149 100
167 28.4 20.2 30.4
279 2.7 2.3 3.5

Manual Integrations
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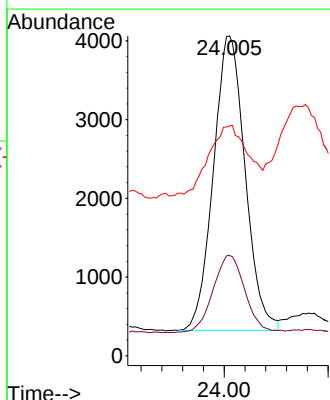
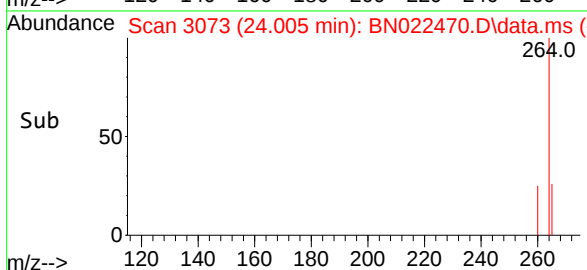
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022

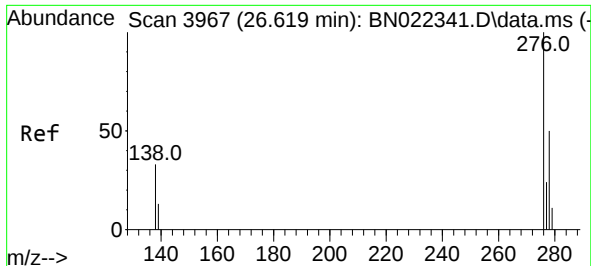


#35
Perylene-d12
Concen: 0.400 ng
RT: 24.005 min Scan# 3073
Delta R.T. 0.003 min
Lab File: BN022470.D
Acq: 02 Nov 2022 18:56



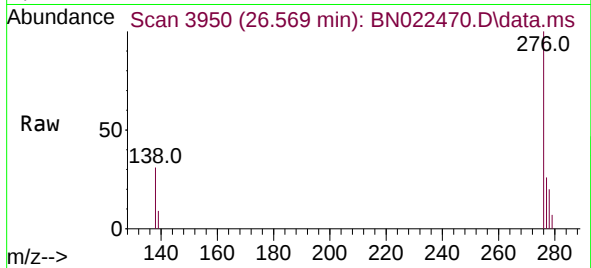
Tgt Ion:264 Resp: 7955
Ion Ratio Lower Upper
264 100
260 31.4 22.1 33.1
265 71.9 53.0 79.4





#36
Indeno(1,2,3-cd)pyrene
Concen: 1.550 ng
RT: 26.569 min Scan# 3967
Delta R.T. 0.003 min
Lab File: BN022470.D
Acq: 02 Nov 2022 18:56

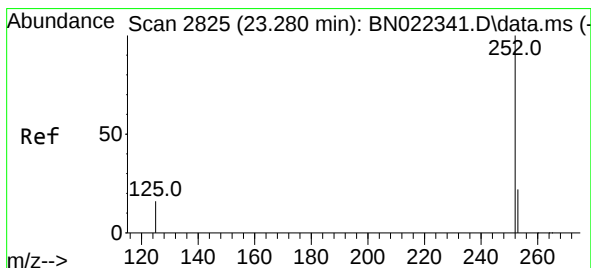
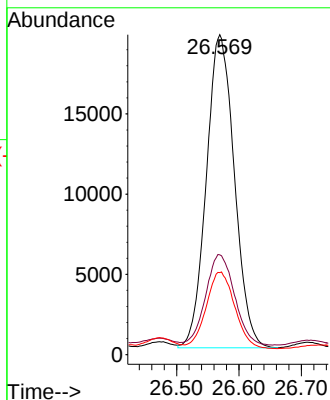
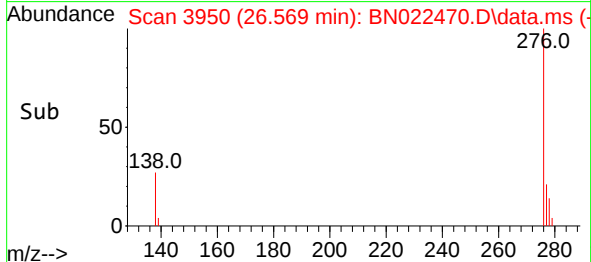
Instrument :
BNA_N
ClientSampleId :
S-3-103122



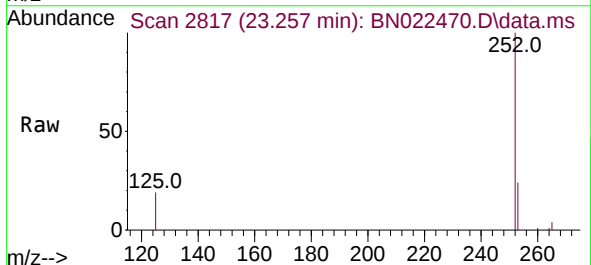
Tgt Ion:276 Resp: 60903
Ion Ratio Lower Upper
276 100
138 29.8 28.2 42.2
277 25.0 19.7 29.5

Manual Integrations
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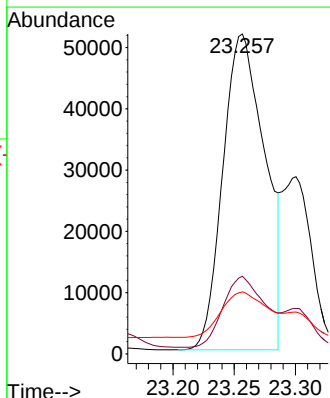
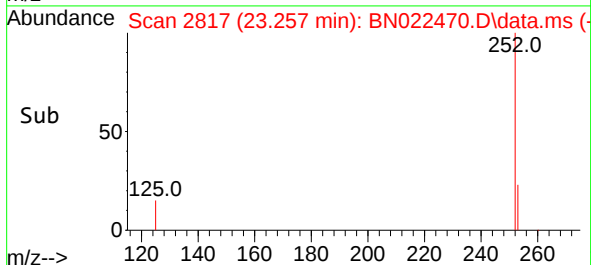
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022

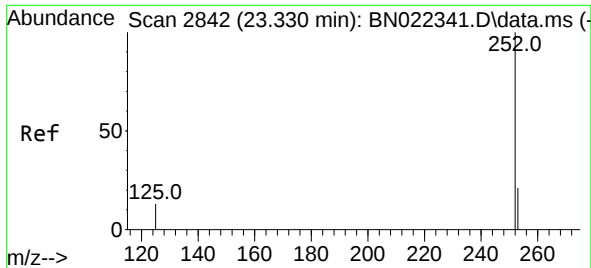


#37
Benzo(b)fluoranthene
Concen: 3.384 ng
RT: 23.257 min Scan# 2817
Delta R.T. 0.009 min
Lab File: BN022470.D
Acq: 02 Nov 2022 18:56



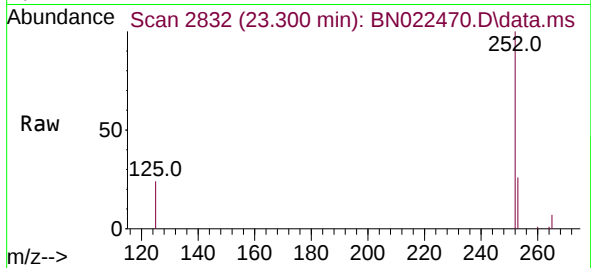
Tgt Ion:252 Resp: 123245
Ion Ratio Lower Upper
252 100
253 24.3 20.4 30.6
125 19.4 16.6 25.0





#38
Benzo(k)fluoranthene
Concen: 1.323 ng m
RT: 23.300 min Scan# 2842
Delta R.T. 0.003 min
Lab File: BN022470.D
Acq: 02 Nov 2022 18:56

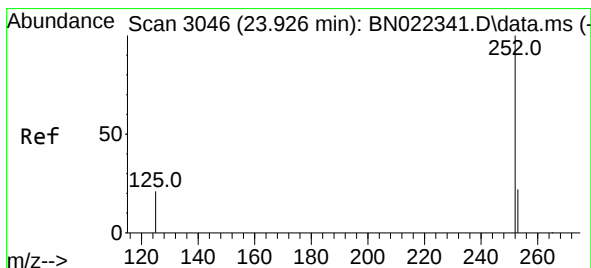
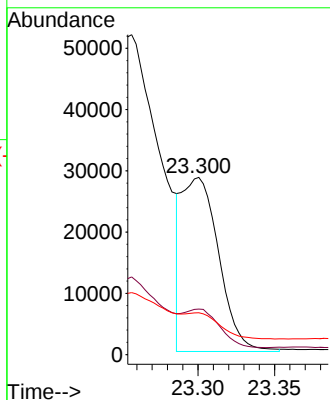
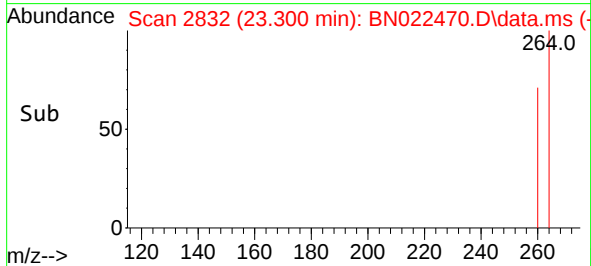
Instrument :
BNA_N
ClientSampleId :
S-3-103122



Tgt Ion:252 Resp: 47934
Ion Ratio Lower Upper
252 100
253 25.7 19.8 29.8
125 23.6 15.0 22.6

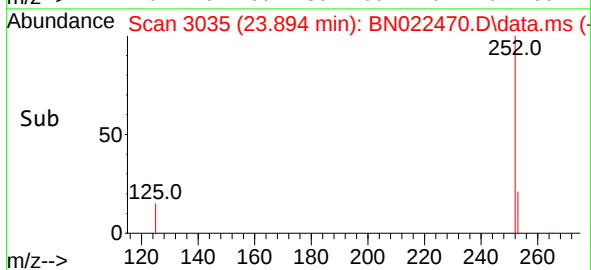
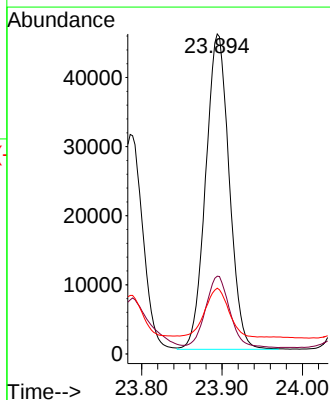
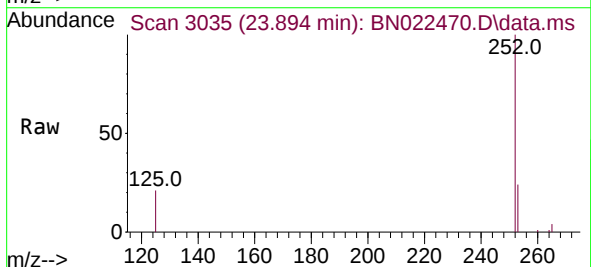
Manual Integrations
APPROVED

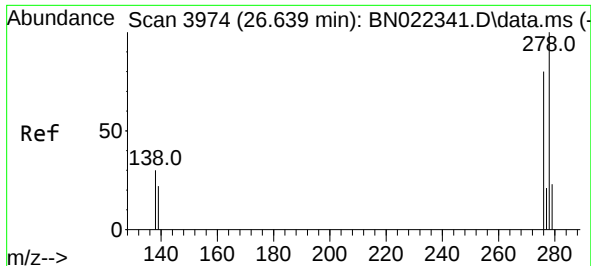
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#39
Benzo(a)pyrene
Concen: 3.131 ng m
RT: 23.894 min Scan# 3035
Delta R.T. 0.003 min
Lab File: BN022470.D
Acq: 02 Nov 2022 18:56

Tgt Ion:252 Resp: 92763
Ion Ratio Lower Upper
252 100
253 24.3 21.9 32.9
125 20.5 22.9 34.3





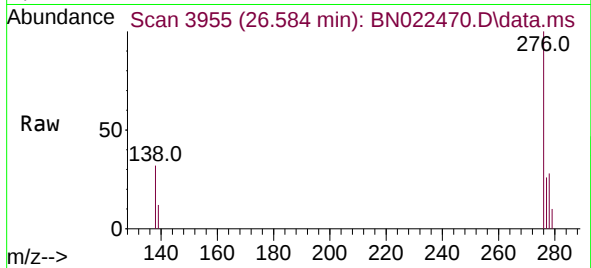
#40
Dibenzo(a,h)anthracene
Concen: 0.515 ng
RT: 26.584 min Scan# 3974
Delta R.T. -0.003 min
Lab File: BN022470.D
Acq: 02 Nov 2022 18:56

Instrument :

BNA_N

ClientSampleId :

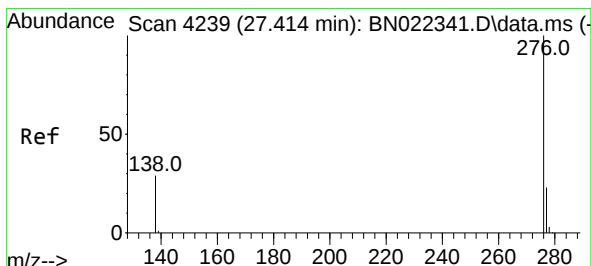
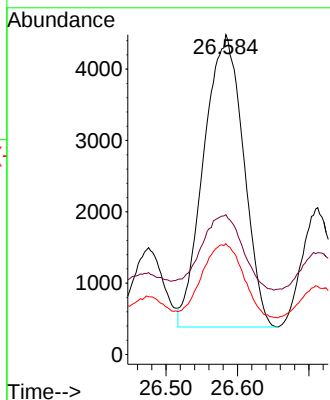
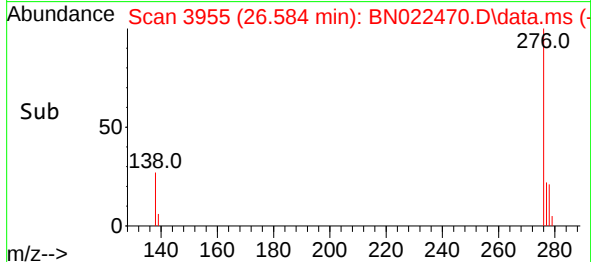
S-3-103122



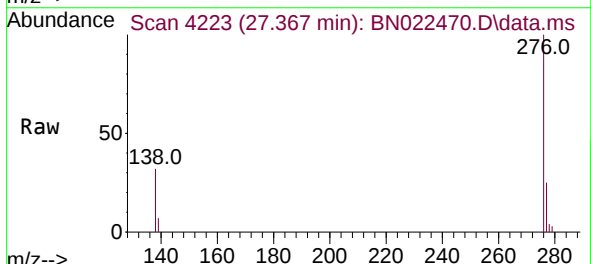
Tgt Ion:278 Resp: 15793
Ion Ratio Lower Upper
278 100
139 43.7 20.2 30.2
279 34.7 21.0 31.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#41
Benzo(g,h,i)perylene
Concen: 1.797 ng
RT: 27.367 min Scan# 4223
Delta R.T. 0.009 min
Lab File: BN022470.D
Acq: 02 Nov 2022 18:56



Tgt Ion:276 Resp: 58202
Ion Ratio Lower Upper
276 100
277 25.1 19.5 29.3
138 32.1 25.0 37.4

