

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110222\
 Data File : BN022471.D
 Acq On : 02 Nov 2022 19:35
 Operator : CG/JU
 Sample : N5395-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-8-103122

Manual Integrations
 APPROVED

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

Quant Time: Nov 03 06:26:02 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.928	152	3396	0.400	ng	0.00
7) Naphthalene-d8	10.752	136	12068	0.400	ng	0.00
13) Acenaphthene-d10	14.600	164	5947	0.400	ng	0.01
19) Phenanthrene-d10	17.350	188	9593	0.400	ng	0.00
29) Chrysene-d12	21.555	240	6926	0.400	ng	# 0.00
35) Perylene-d12	24.005	264	7207	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.465	112	3128	0.346	ng	0.00
5) Phenol-d6	7.097	99	4075	0.359	ng	0.00
8) Nitrobenzene-d5	9.108	82	2520m	0.241	ng	0.00
11) 2-Methylnaphthalene-d10	12.349	152	4739	0.250	ng	0.00
14) 2,4,6-Tribromophenol	16.096	330	760	0.297	ng	0.00
15) 2-Fluorobiphenyl	13.221	172	7016	0.276	ng	0.00
27) Fluoranthene-d10	19.390	212	6236	0.235	ng	0.00
31) Terphenyl-d14	19.985	244	5557	0.308	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.350	93	369	0.034	ng	87
9) Naphthalene	10.805	128	18142	0.503	ng	99
16) Acenaphthylene	14.322	152	14252	0.495	ng	98
17) Acenaphthene	14.664	154	5275	0.269	ng	99
18) Fluorene	15.647	166	9954	0.364	ng	# 98
25) Phenanthrene	17.387	178	113502	3.451	ng	100
26) Anthracene	17.486	178	24121	0.871	ng	96
28) Fluoranthene	19.424	202	180831	5.071	ng	99
30) Pyrene	19.786	202	149188	4.681	ng	# 96
32) Benzo(a)anthracene	21.537	228	81471	2.988	ng	98
33) Chrysene	21.591	228	72629	2.548	ng	96
34) Bis(2-ethylhexyl)phtha...	21.457	149	10433	0.561	ng	# 91
36) Indeno(1,2,3-cd)pyrene	26.572	276	49617	1.394	ng	94
37) Benzo(b)fluoranthene	23.254	252	100672	3.051	ng	97
38) Benzo(k)fluoranthene	23.301	252	37635m	1.147	ng	
39) Benzo(a)pyrene	23.894	252	73313m	2.731	ng	
40) Dibenzo(a,h)anthracene	26.584	278	12603	0.453	ng	# 68
41) Benzo(g,h,i)perylene	27.364	276	47622	1.623	ng	98

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

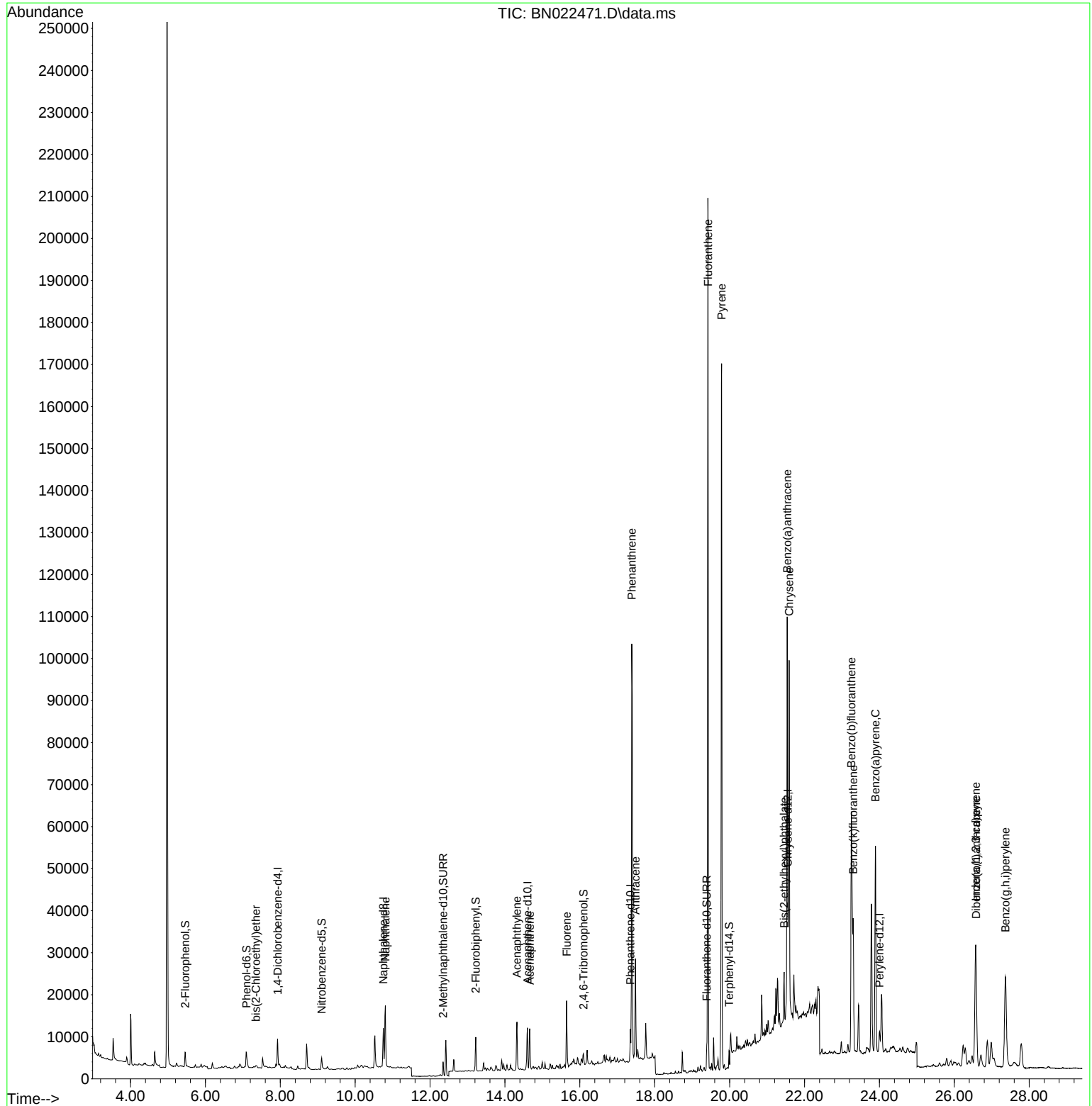
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110222\
Data File : BN022471.D
Acq On : 02 Nov 2022 19:35
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Misc :
ALS Vial : 15 Sample Multiplier: 1

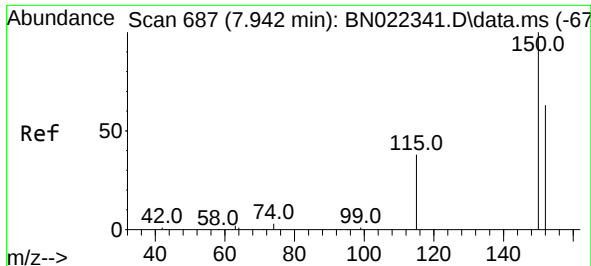
Instrument :
BNA_N
ClientSampleId :
S-8-103122

Quant Time: Nov 03 06:26:02 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

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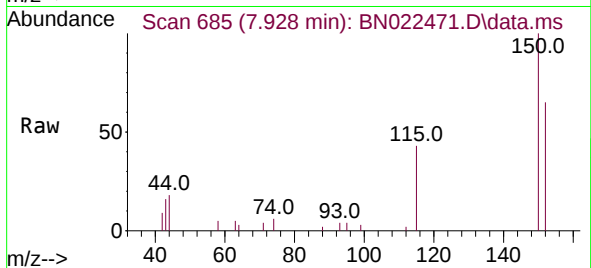
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.928 min Scan# 687
Delta R.T. -0.000 min
Lab File: BN022471.D
Acq: 02 Nov 2022 19:35

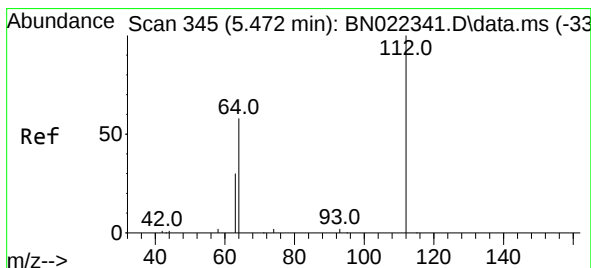
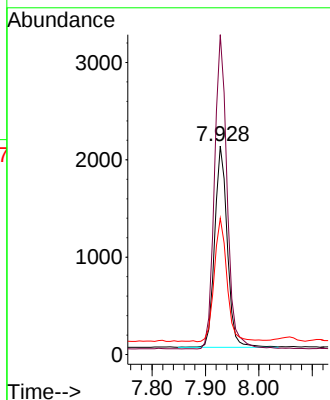
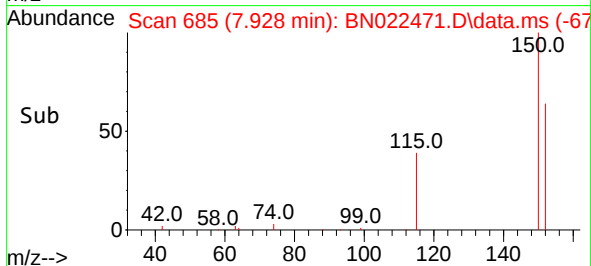
Instrument :
BNA_N
ClientSampleId :
S-8-103122



Tgt Ion:152 Resp: 3396
Ion Ratio Lower Upper
152 100
150 153.5 125.2 187.8
115 65.4 52.0 78.0

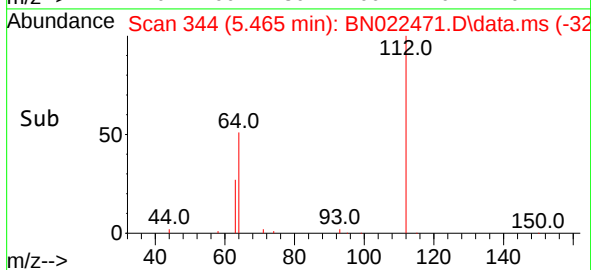
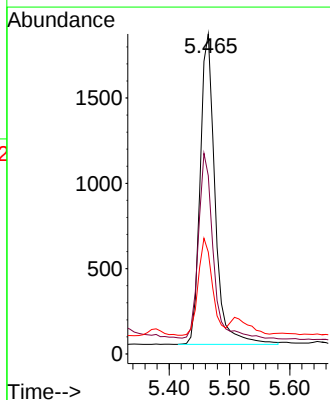
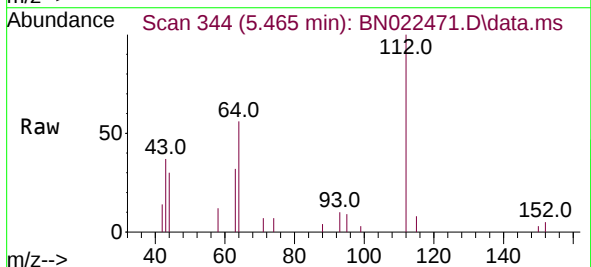
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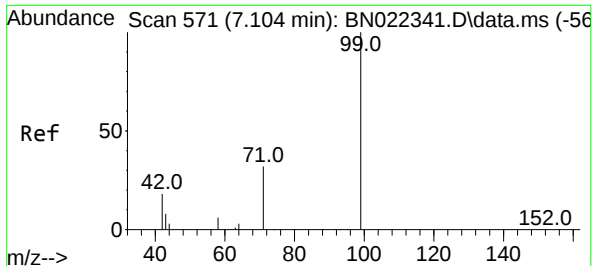
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#4
2-Fluorophenol
Concen: 0.346 ng
RT: 5.465 min Scan# 344
Delta R.T. 0.007 min
Lab File: BN022471.D
Acq: 02 Nov 2022 19:35

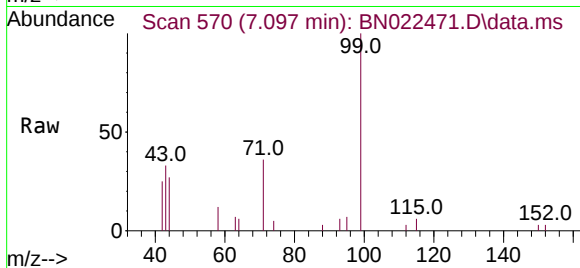
Tgt Ion:112 Resp: 3128
Ion Ratio Lower Upper
112 100
64 59.1 47.0 70.4
63 29.5 24.5 36.7





#5
Phenol-d6
Concen: 0.359 ng
RT: 7.097 min Scan# 51
Delta R.T. 0.007 min
Lab File: BN022471.D
Acq: 02 Nov 2022 19:35

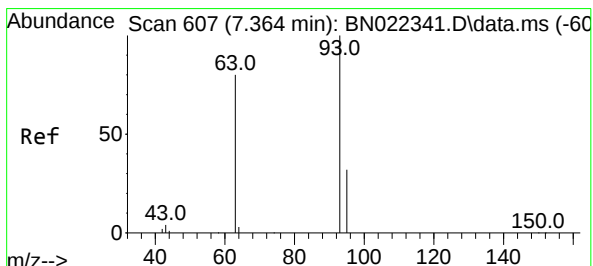
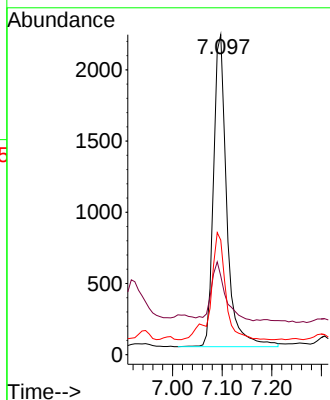
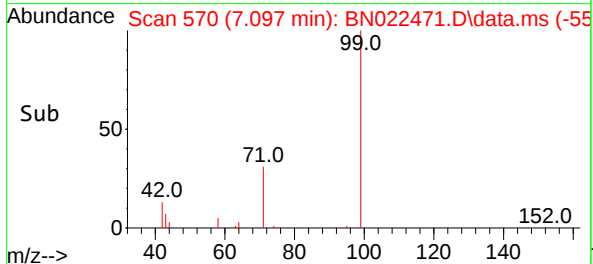
Instrument :
BNA_N
ClientSampleId :
S-8-103122



Tgt Ion: 99 Resp: 4075
Ion Ratio Lower Upper
99 100
42 20.0 16.3 24.5
71 38.1 26.1 39.1

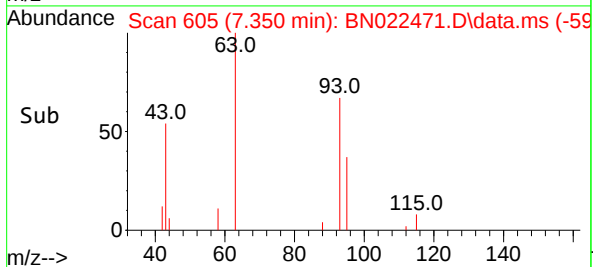
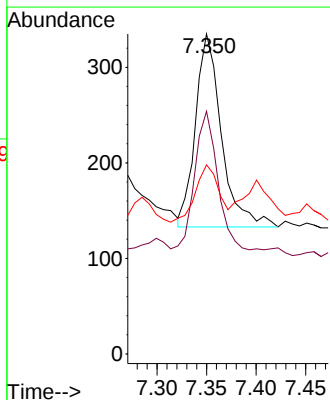
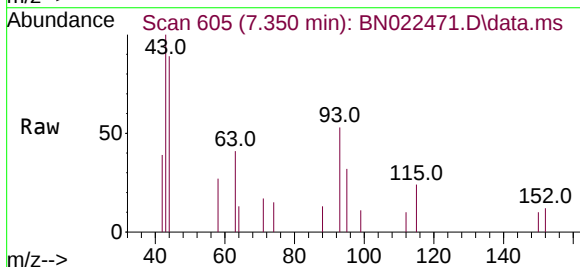
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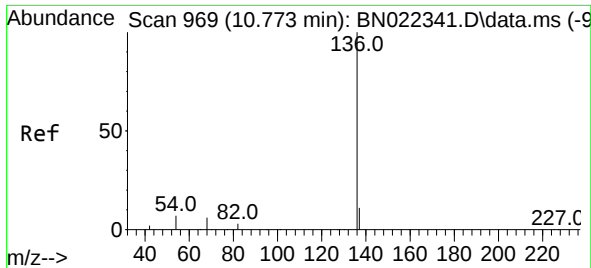
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#6
bis(2-Chloroethyl)ether
Concen: 0.034 ng
RT: 7.350 min Scan# 605
Delta R.T. -0.000 min
Lab File: BN022471.D
Acq: 02 Nov 2022 19:35

Tgt Ion: 93 Resp: 369
Ion Ratio Lower Upper
93 100
63 64.8 62.6 93.8
95 28.2 26.1 39.1





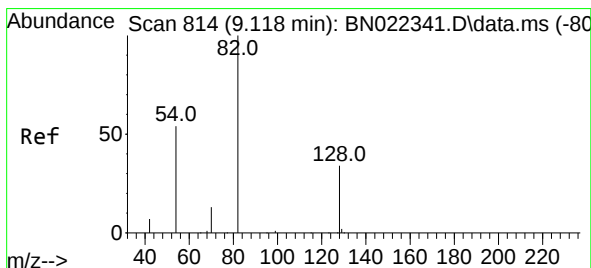
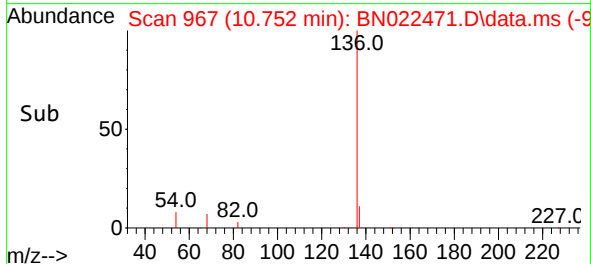
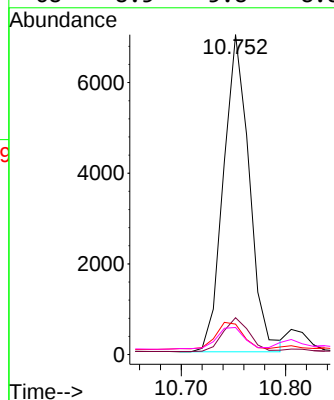
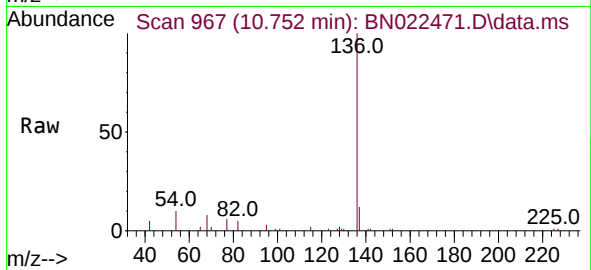
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.752 min Scan# 967
Delta R.T. -0.000 min
Lab File: BN022471.D
Acq: 02 Nov 2022 19:35

Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:	136	Resp:	12068
Ion Ratio	Lower	Upper	
136	100		
137	11.5	9.4	14.2
54	9.5	6.5	9.7
68	8.5	5.8	8.8

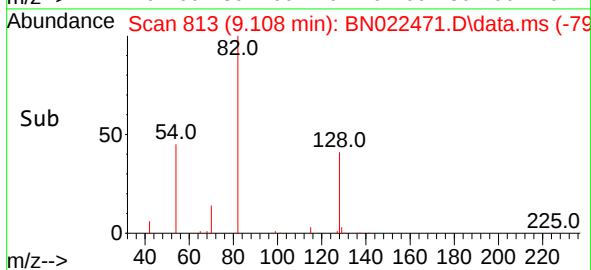
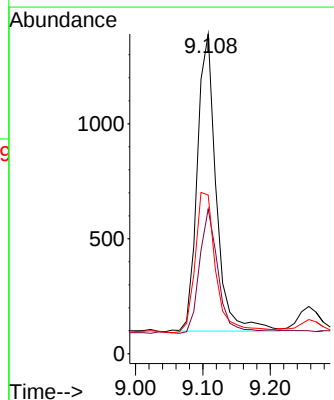
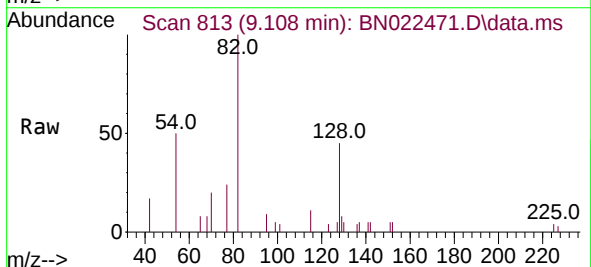
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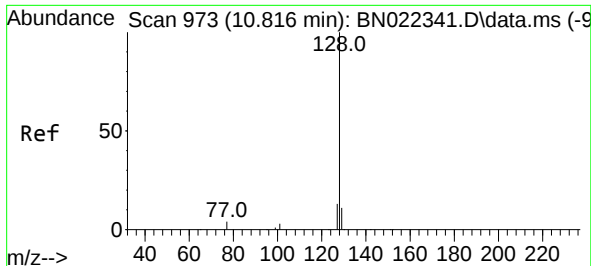
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#8
Nitrobenzene-d5
Concen: 0.241 ng m
RT: 9.108 min Scan# 813
Delta R.T. -0.000 min
Lab File: BN022471.D
Acq: 02 Nov 2022 19:35

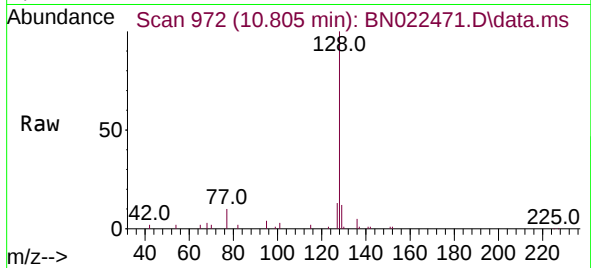
Tgt Ion:	82	Resp:	2520
Ion Ratio	Lower	Upper	
82	100		
128	45.3	30.5	45.7
54	49.7	45.2	67.8





#9
Naphthalene
Concen: 0.503 ng
RT: 10.805 min Scan# 91
Delta R.T. 0.011 min
Lab File: BN022471.D
Acq: 02 Nov 2022 19:35

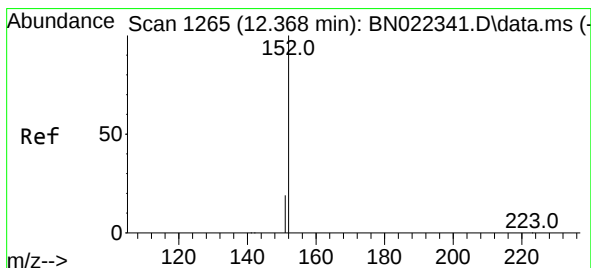
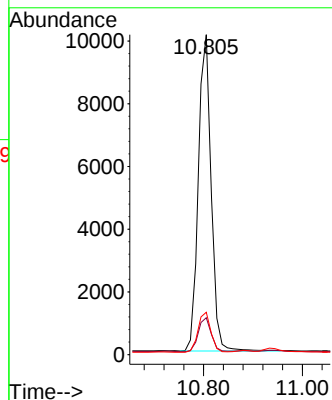
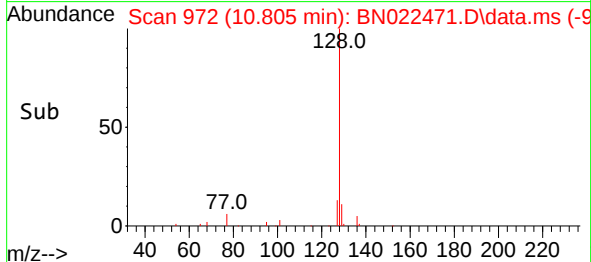
Instrument :
BNA_N
ClientSampleId :
S-8-103122



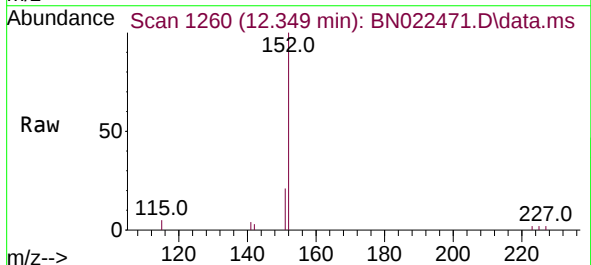
Tgt Ion:128 Resp: 1814
Ion Ratio Lower Upper
128 100
129 11.5 9.4 14.2
127 13.2 11.0 16.6

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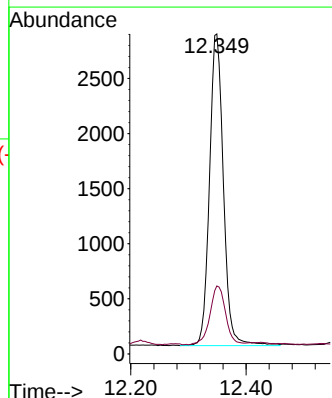
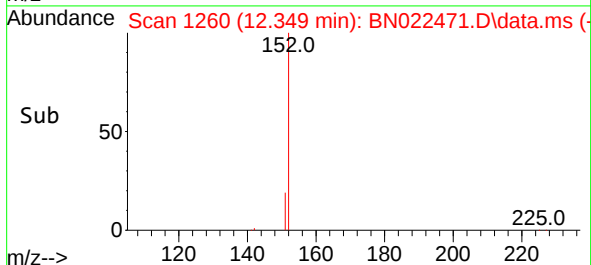
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022

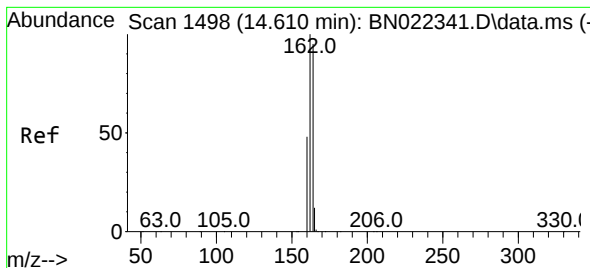


#11
2-Methylnaphthalene-d10
Concen: 0.250 ng
RT: 12.349 min Scan# 1260
Delta R.T. -0.000 min
Lab File: BN022471.D
Acq: 02 Nov 2022 19:35



Tgt Ion:152 Resp: 4739
Ion Ratio Lower Upper
152 100
151 21.4 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: BN022471.D

Acq: 02 Nov 2022 19:35

Instrument :

BNA_N

ClientSampleId :

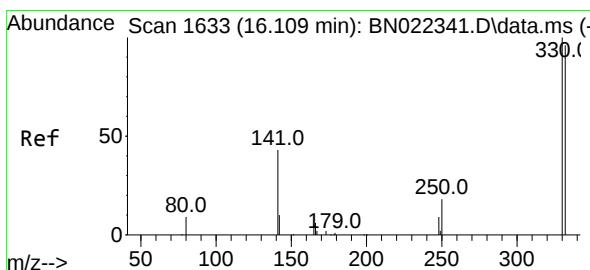
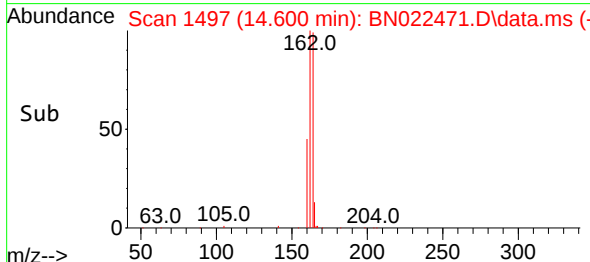
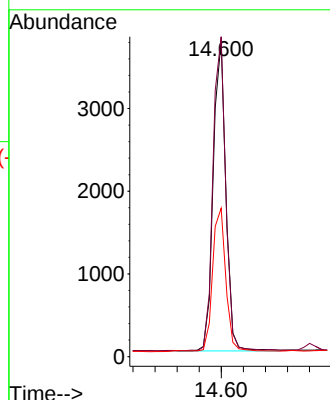
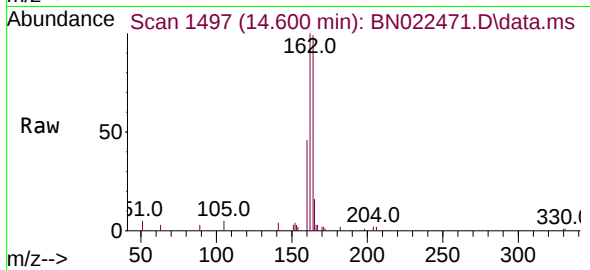
S-8-103122

Tgt Ion:	164	Resp:	594
Ion Ratio	Lower	Upper	
164	100		
162	101.1	83.9	125.9
160	46.9	41.0	61.4

Manual Integrations

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Supervised By :mohammad ahmed 11/07/2022



#14

2,4,6-Tribromophenol

Concen: 0.297 ng

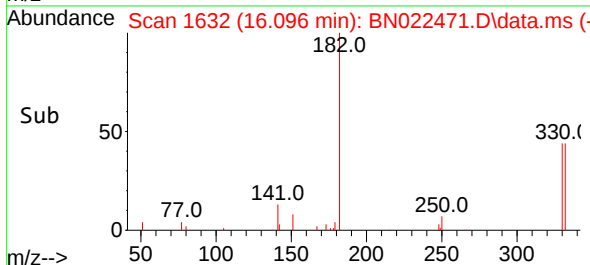
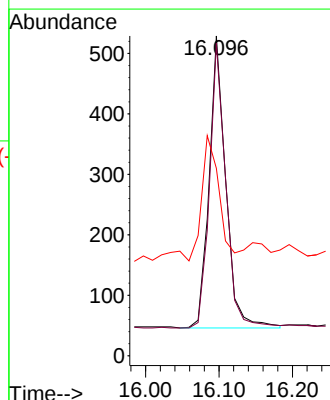
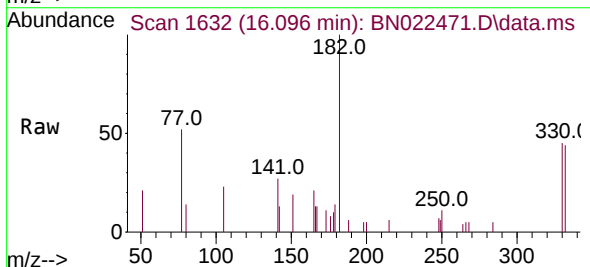
RT: 16.096 min Scan# 1632

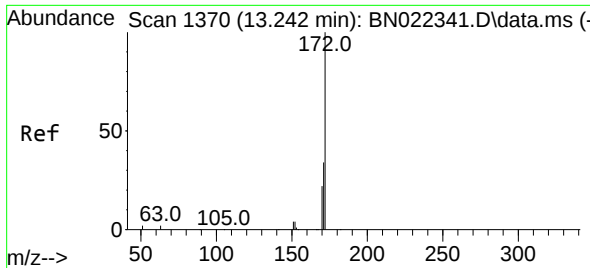
Delta R.T. -0.000 min

Lab File: BN022471.D

Acq: 02 Nov 2022 19:35

Tgt Ion:	330	Resp:	760
Ion Ratio	Lower	Upper	
330	100		
332	96.4	78.6	118.0
141	36.6	40.2	60.4





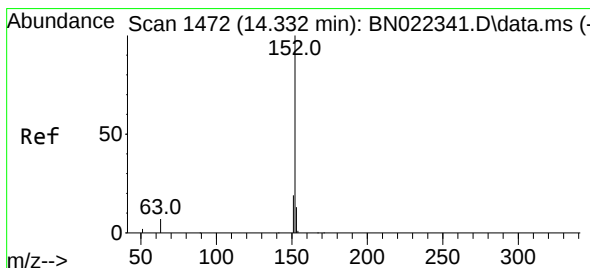
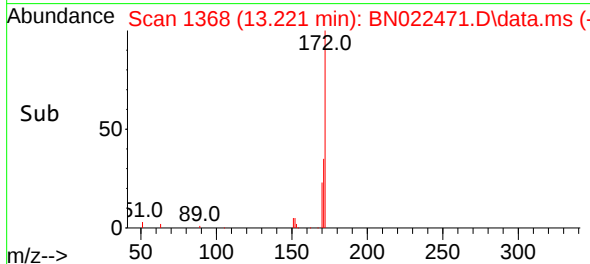
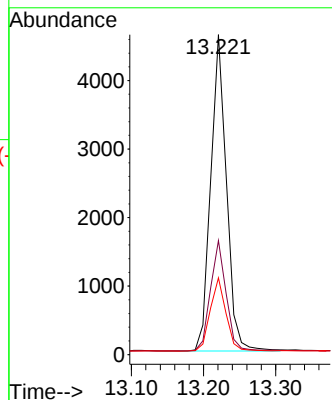
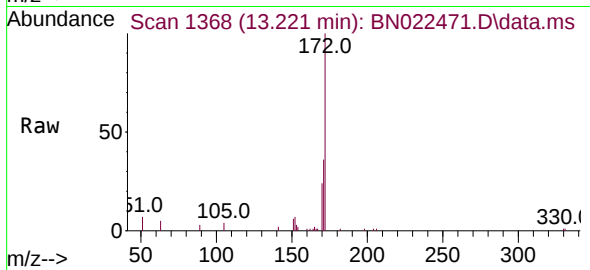
#15
2-Fluorobiphenyl
Concen: 0.276 ng
RT: 13.221 min Scan# 1368
Delta R.T. -0.000 min
Lab File: BN022471.D
Acq: 02 Nov 2022 19:35

Instrument :
BNA_N
ClientSampleId :
S-8-103122

Tgt Ion:172 Resp: 7016
Ion Ratio Lower Upper
172 100
171 35.6 27.4 41.0
170 24.0 18.5 27.7

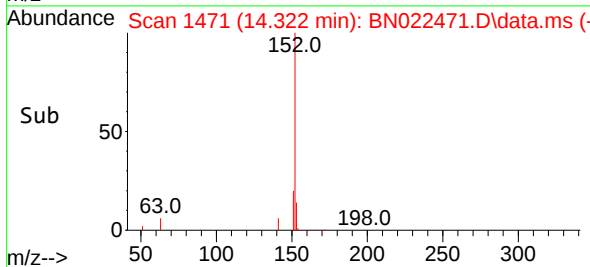
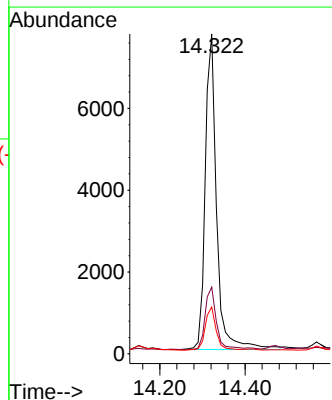
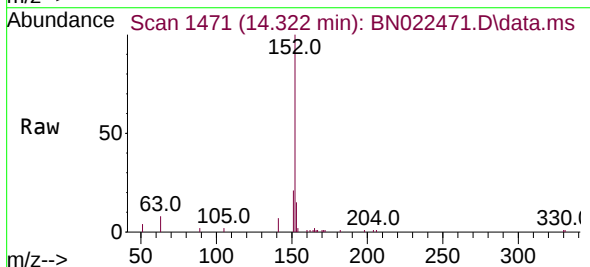
Manual Integrations
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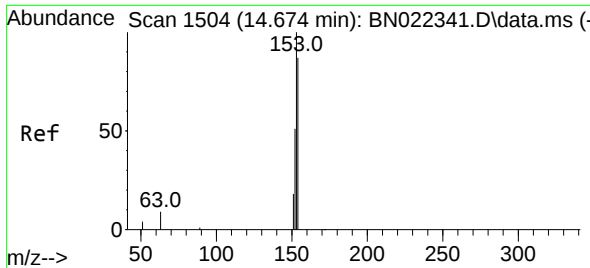
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#16
Acenaphthylene
Concen: 0.495 ng
RT: 14.322 min Scan# 1471
Delta R.T. 0.011 min
Lab File: BN022471.D
Acq: 02 Nov 2022 19:35

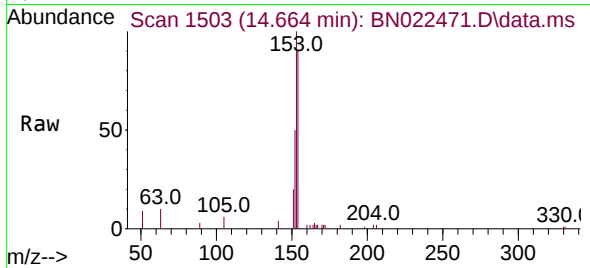
Tgt Ion:152 Resp: 14252
Ion Ratio Lower Upper
152 100
151 20.2 15.2 22.8
153 13.2 10.3 15.5





#17
Acenaphthene
Concen: 0.269 ng
RT: 14.664 min Scan# 1503
Delta R.T. 0.011 min
Lab File: BN022471.D
Acq: 02 Nov 2022 19:35

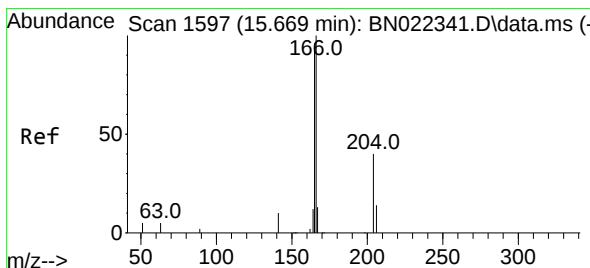
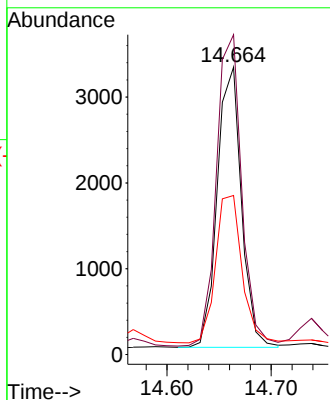
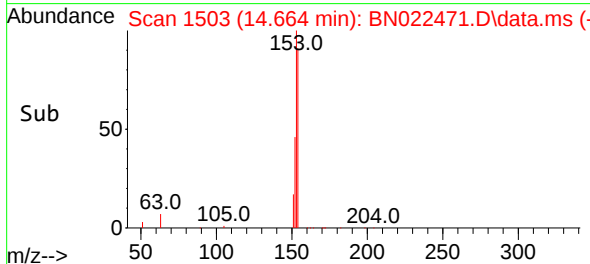
Instrument :
BNA_N
ClientSampleId :
S-8-103122



Tgt Ion:154 Resp: 5275
Ion Ratio Lower Upper
154 100
153 115.7 92.2 138.2
152 57.8 47.6 71.4

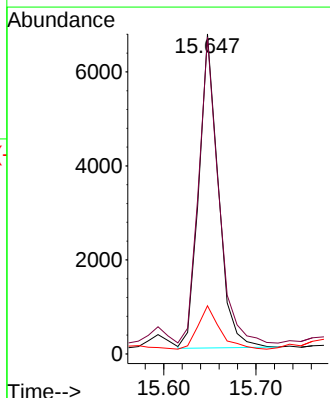
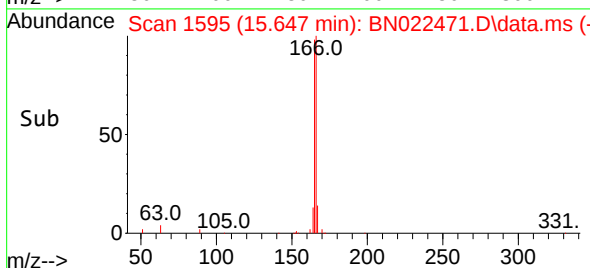
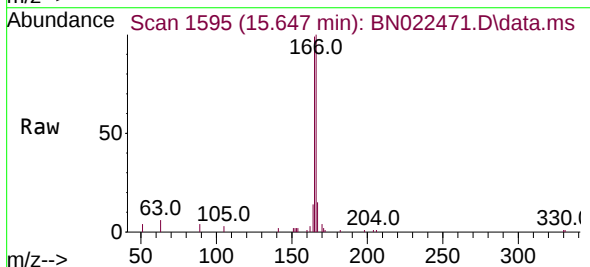
Manual Integrations
APPROVED

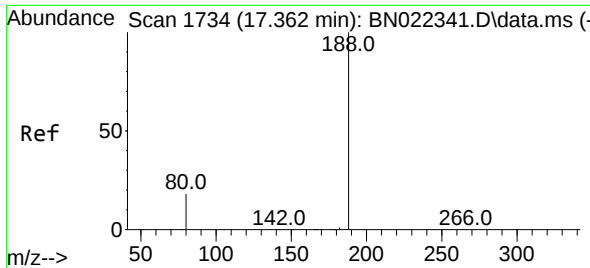
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#18
Fluorene
Concen: 0.364 ng
RT: 15.647 min Scan# 1595
Delta R.T. -0.000 min
Lab File: BN022471.D
Acq: 02 Nov 2022 19:35

Tgt Ion:166 Resp: 9954
Ion Ratio Lower Upper
166 100
165 99.4 78.6 118.0
167 15.4 10.2 15.4





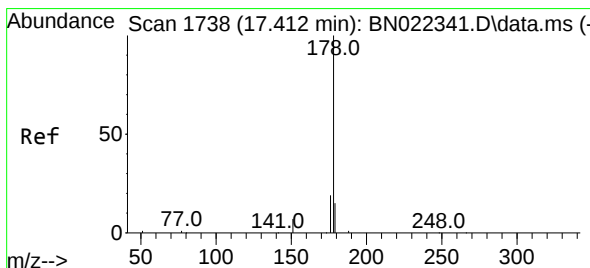
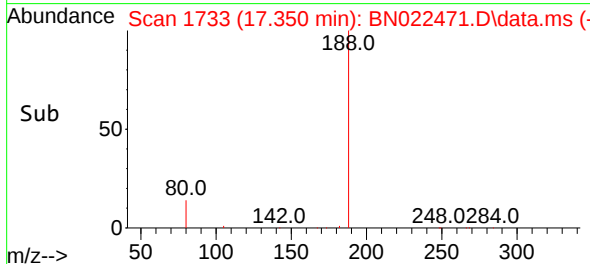
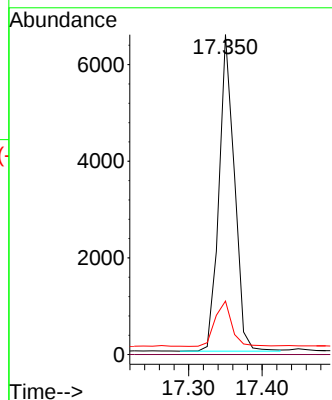
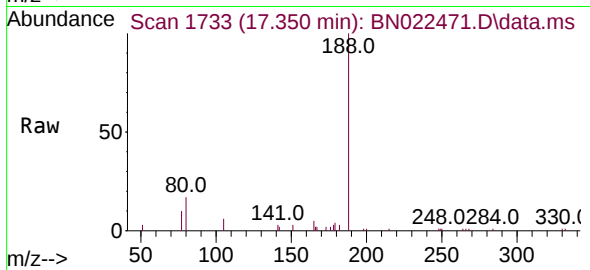
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.350 min Scan# 1733
Delta R.T. -0.000 min
Lab File: BN022471.D
Acq: 02 Nov 2022 19:35

Instrument :
BNA_N
ClientSampleId :
S-8-103122

Tgt Ion:188 Resp: 9593
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 16.7 15.0 22.6

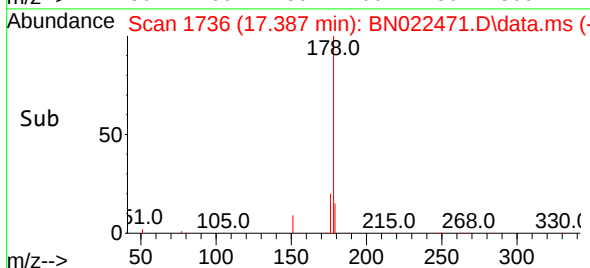
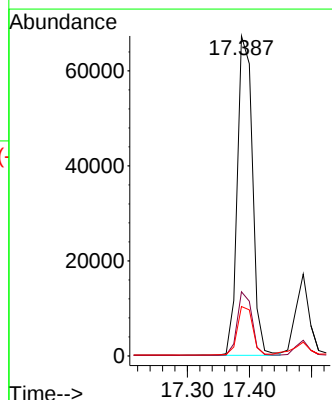
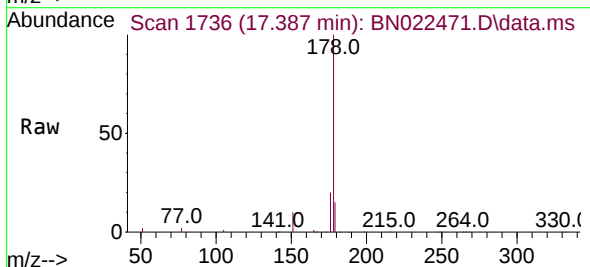
Manual Integrations
APPROVED

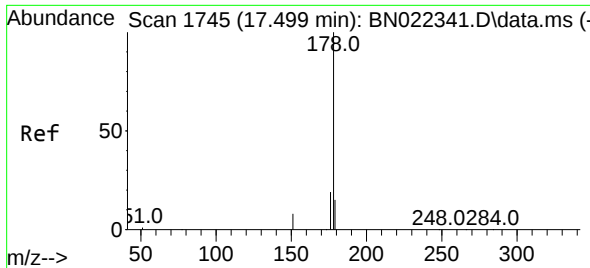
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#25
Phenanthrene
Concen: 3.451 ng
RT: 17.387 min Scan# 1736
Delta R.T. -0.000 min
Lab File: BN022471.D
Acq: 02 Nov 2022 19:35

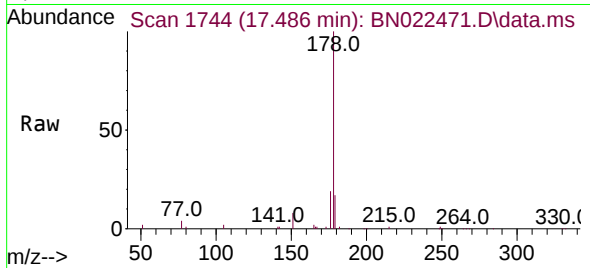
Tgt Ion:178 Resp: 113502
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.5 12.5 18.7





#26
 Anthracene
 Concen: 0.871 ng
 RT: 17.486 min Scan# 1744
 Delta R.T. -0.000 min
 Lab File: BN022471.D
 Acq: 02 Nov 2022 19:35

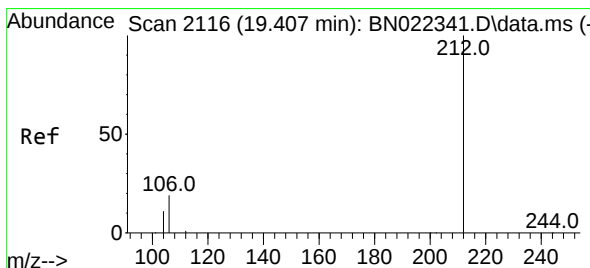
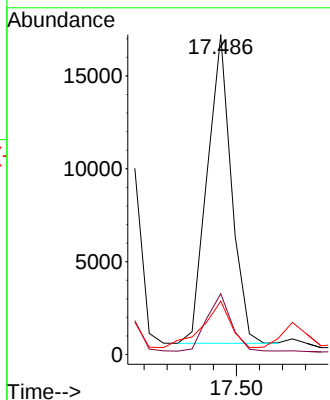
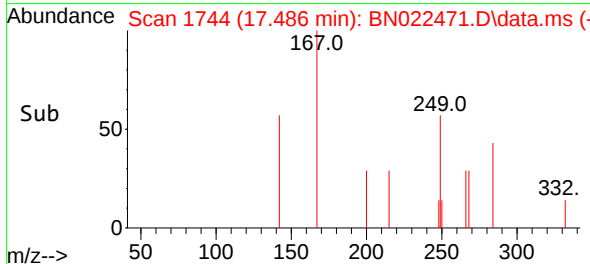
Instrument :
 BNA_N
 ClientSampleId :
 S-8-103122



Tgt Ion:178 Resp: 2412
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.0 22.4
 179 17.4 12.2 18.4

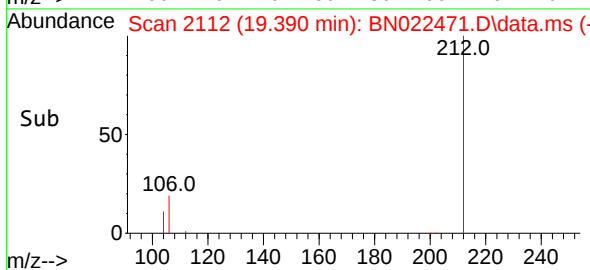
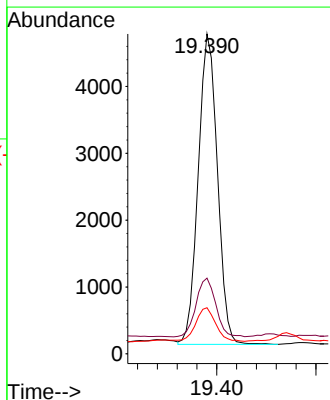
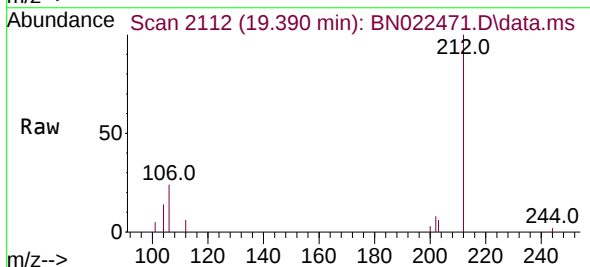
Manual Integrations
 APPROVED

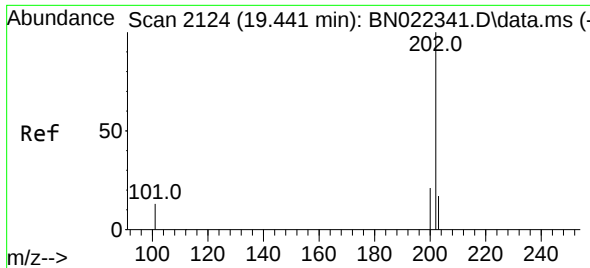
Reviewed By :Christian Giraldo 11/03/2022
 Supervised By :mohammad ahmed 11/07/2022



#27
 Fluoranthene-d10
 Concen: 0.235 ng
 RT: 19.390 min Scan# 2112
 Delta R.T. -0.000 min
 Lab File: BN022471.D
 Acq: 02 Nov 2022 19:35

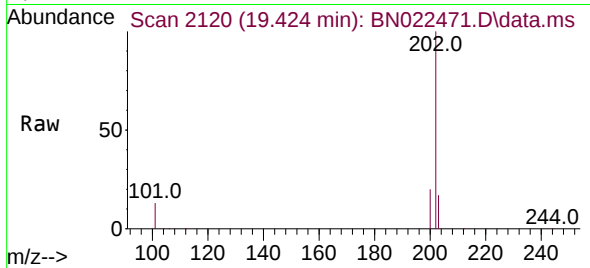
Tgt Ion:212 Resp: 6236
 Ion Ratio Lower Upper
 212 100
 106 19.3 15.0 22.4
 104 11.3 9.3 13.9





#28
Fluoranthene
Concen: 5.071 ng
RT: 19.424 min Scan# 2124
Delta R.T. 0.004 min
Lab File: BN022471.D
Acq: 02 Nov 2022 19:35

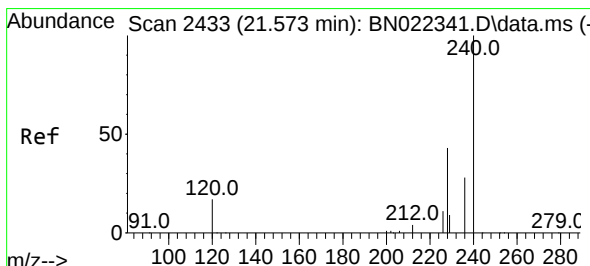
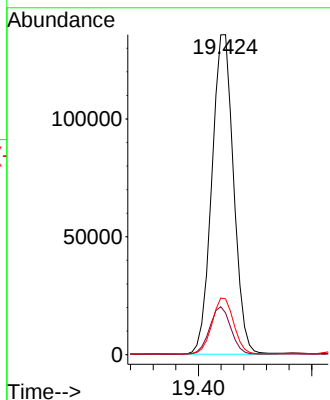
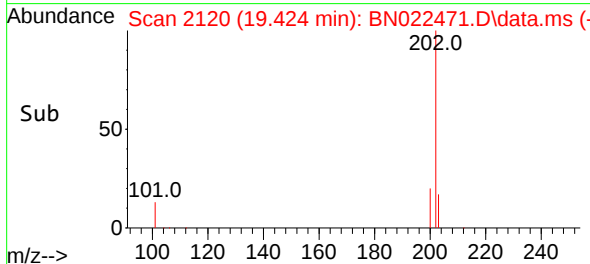
Instrument :
BNA_N
ClientSampleId :
S-8-103122



Tgt Ion:202 Resp: 180831
Ion Ratio Lower Upper
202 100
101 14.5 11.4 17.0
203 17.4 13.7 20.5

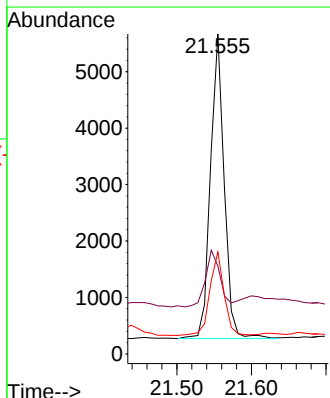
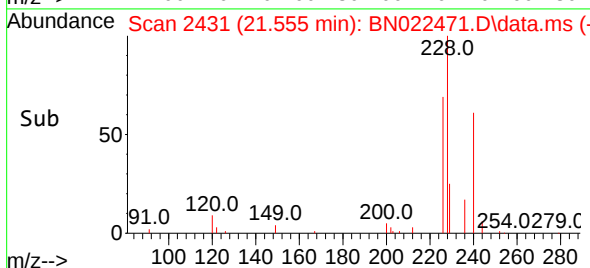
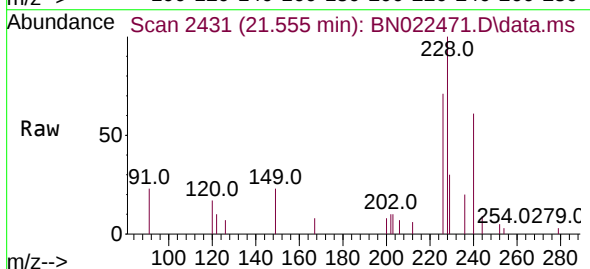
Manual Integrations
APPROVED

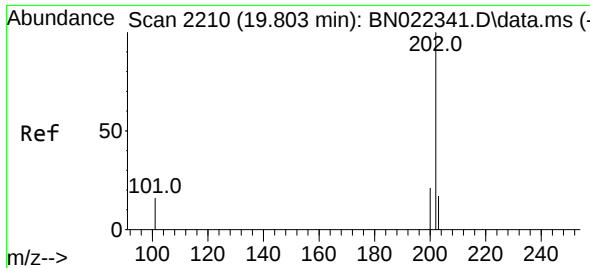
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.555 min Scan# 2431
Delta R.T. -0.000 min
Lab File: BN022471.D
Acq: 02 Nov 2022 19:35

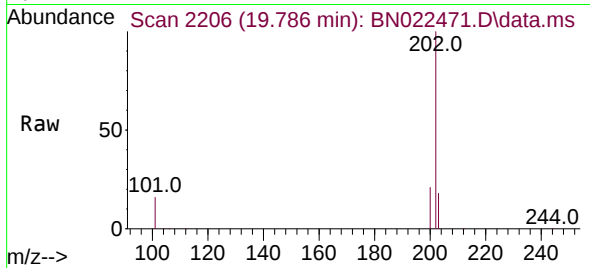
Tgt Ion:240 Resp: 6926
Ion Ratio Lower Upper
240 100
120 27.4 15.8 23.6#
236 31.8 23.2 34.8





#30
Pyrene
Concen: 4.681 ng
RT: 19.786 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN022471.D
Acq: 02 Nov 2022 19:35

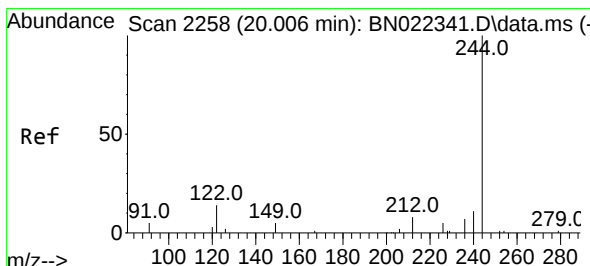
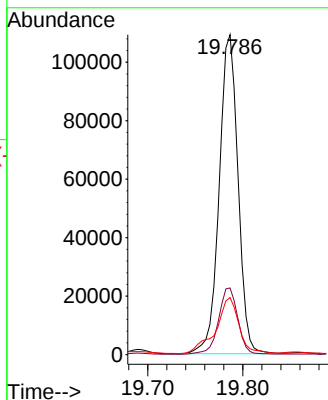
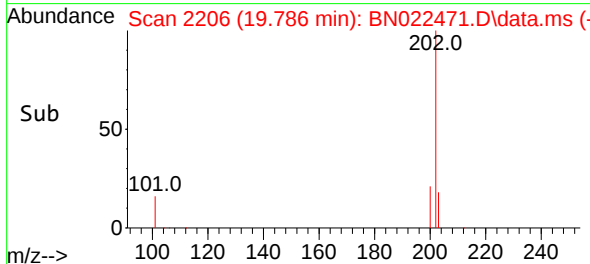
Instrument :
BNA_N
ClientSampleId :
S-8-103122



Tgt Ion:202 Resp: 149188
Ion Ratio Lower Upper
202 100
200 21.2 16.8 25.2
203 21.6 14.2 21.2

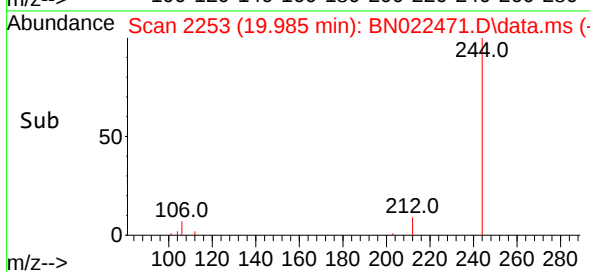
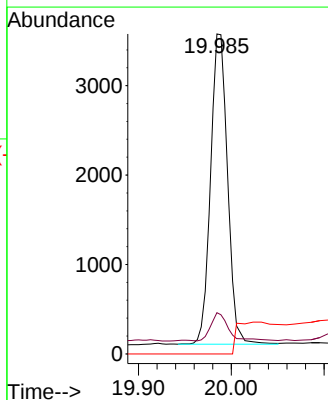
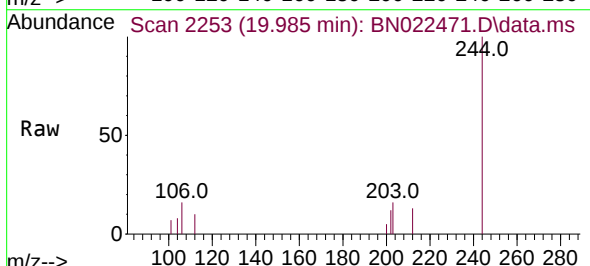
Manual Integrations
APPROVED

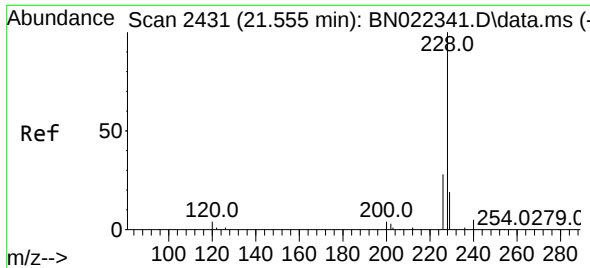
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#31
Terphenyl-d14
Concen: 0.308 ng
RT: 19.985 min Scan# 2253
Delta R.T. -0.000 min
Lab File: BN022471.D
Acq: 02 Nov 2022 19:35

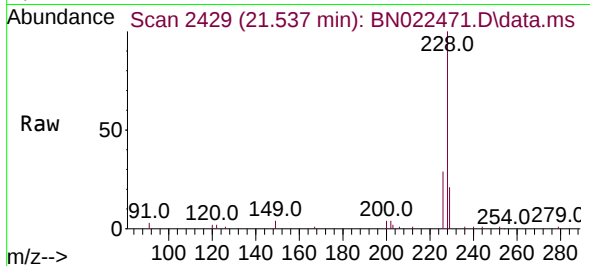
Tgt Ion:244 Resp: 5557
Ion Ratio Lower Upper
244 100
212 12.9 7.0 10.4#
122 0.0 11.5 17.3#





#32
Benzo(a)anthracene
Concen: 2.988 ng
RT: 21.537 min Scan# 2429
Delta R.T. -0.000 min
Lab File: BN022471.D
Acq: 02 Nov 2022 19:35

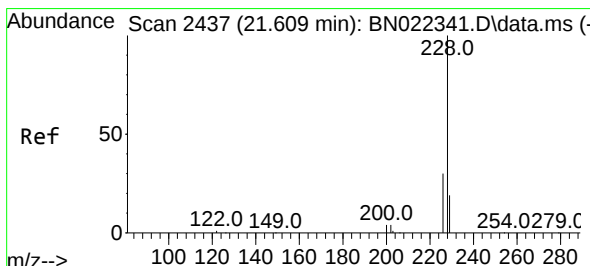
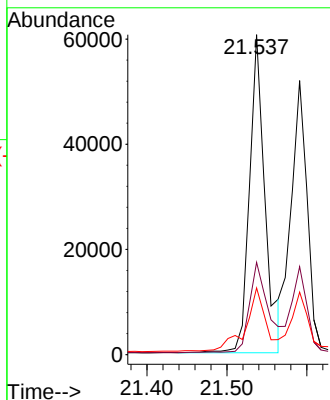
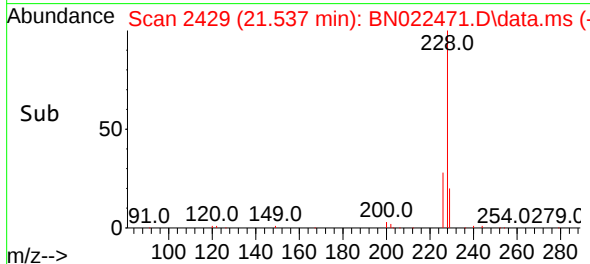
Instrument :
BNA_N
ClientSampleId :
S-8-103122



Tgt Ion:228 Resp: 8147
Ion Ratio Lower Upper
228 100
226 28.8 22.6 34.0
229 20.8 15.5 23.3

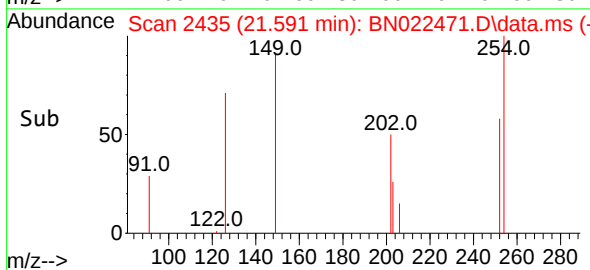
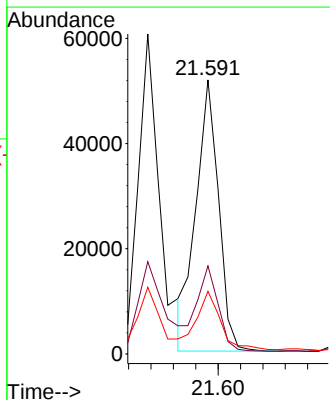
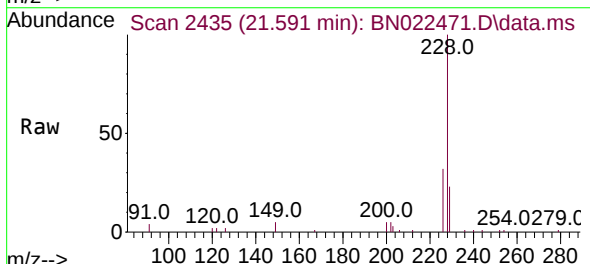
Manual Integrations
APPROVED

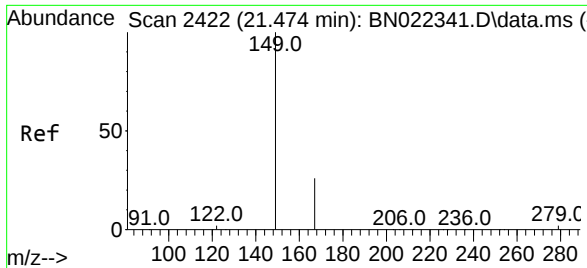
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#33
Chrysene
Concen: 2.548 ng
RT: 21.591 min Scan# 2435
Delta R.T. -0.000 min
Lab File: BN022471.D
Acq: 02 Nov 2022 19:35

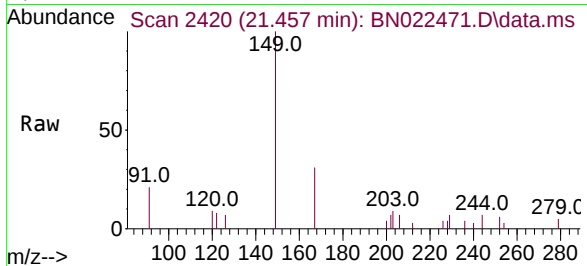
Tgt Ion:228 Resp: 72629
Ion Ratio Lower Upper
228 100
226 32.1 24.5 36.7
229 22.8 15.6 23.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.561 ng
RT: 21.457 min Scan# 2420
Delta R.T. 0.009 min
Lab File: BN022471.D
Acq: 02 Nov 2022 19:35

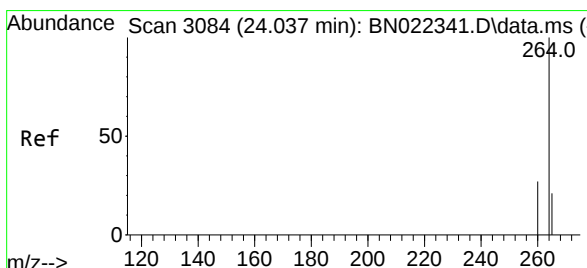
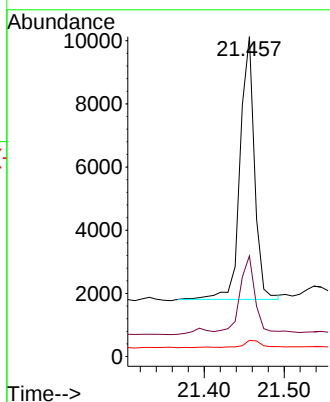
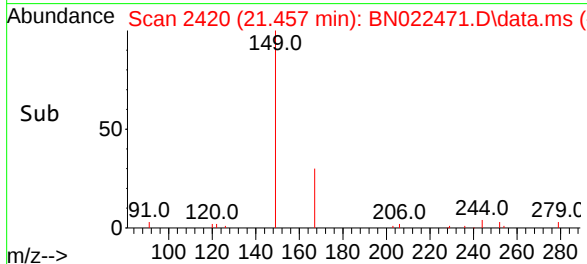
Instrument :
BNA_N
ClientSampleId :
S-8-103122



Tgt Ion:149 Resp: 10433
Ion Ratio Lower Upper
149 100
167 30.5 20.2 30.4
279 3.3 2.3 3.5

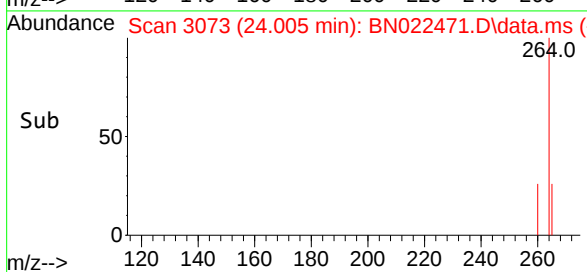
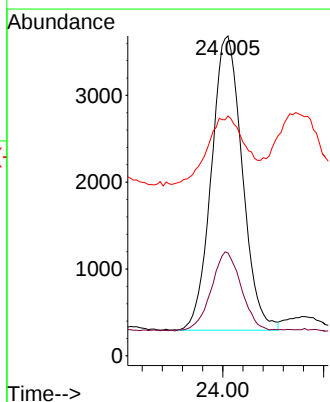
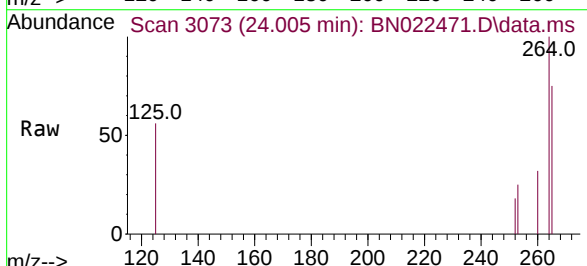
Manual Integrations
APPROVED

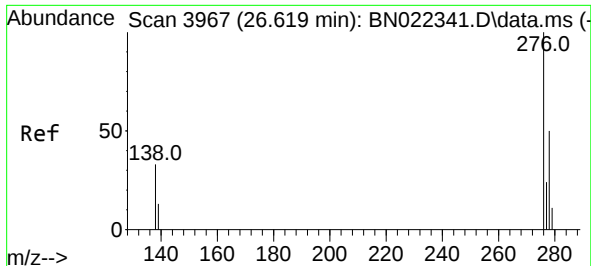
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#35
Perylene-d12
Concen: 0.400 ng
RT: 24.005 min Scan# 3073
Delta R.T. 0.003 min
Lab File: BN022471.D
Acq: 02 Nov 2022 19:35

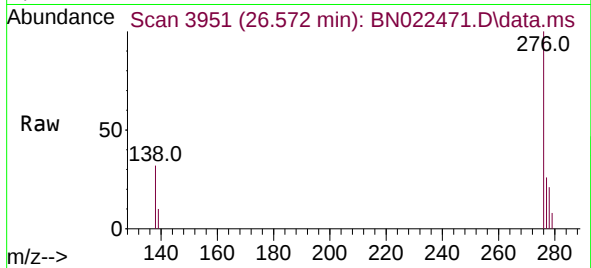
Tgt Ion:264 Resp: 7207
Ion Ratio Lower Upper
264 100
260 32.2 22.1 33.1
265 75.0 53.0 79.4





#36
Indeno(1,2,3-cd)pyrene
Concen: 1.394 ng
RT: 26.572 min Scan# 3967
Delta R.T. 0.006 min
Lab File: BN022471.D
Acq: 02 Nov 2022 19:35

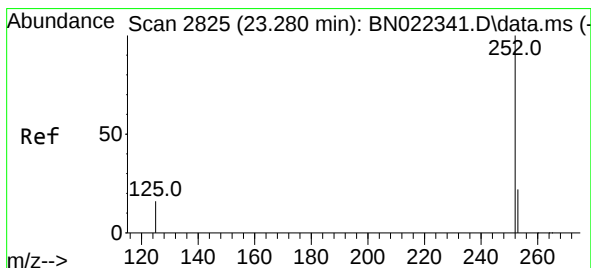
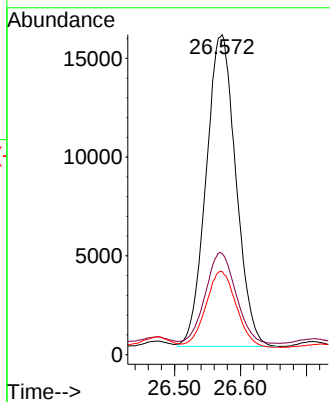
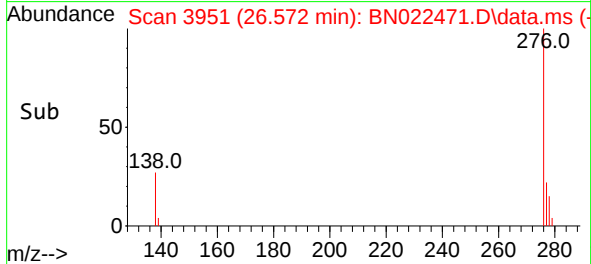
Instrument :
BNA_N
ClientSampleId :
S-8-103122



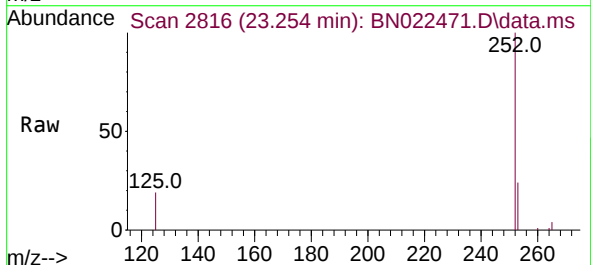
Tgt Ion:276 Resp: 49617
Ion Ratio Lower Upper
276 100
138 29.9 28.2 42.2
277 25.0 19.7 29.5

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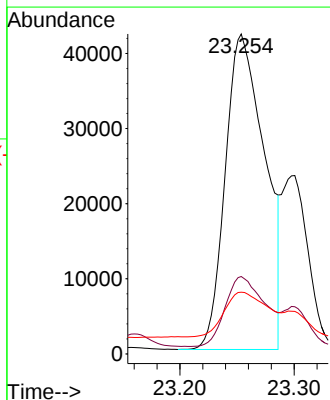
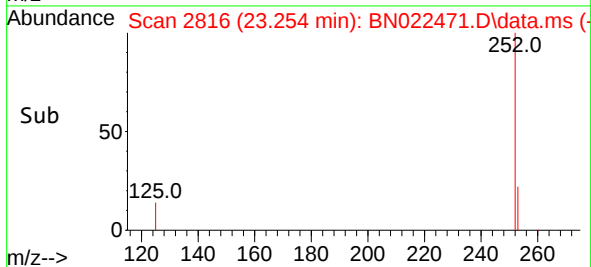
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022

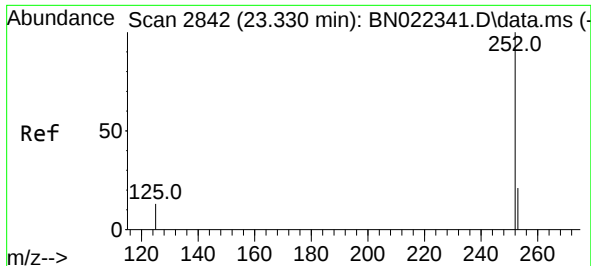


#37
Benzo(b)fluoranthene
Concen: 3.051 ng
RT: 23.254 min Scan# 2816
Delta R.T. 0.006 min
Lab File: BN022471.D
Acq: 02 Nov 2022 19:35



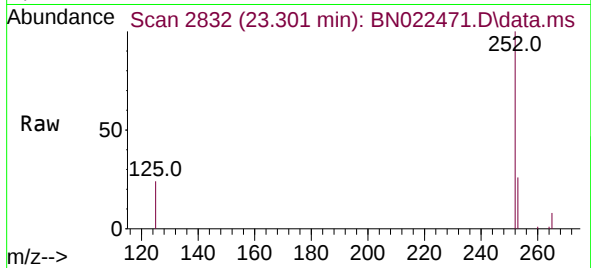
Tgt Ion:252 Resp: 100672
Ion Ratio Lower Upper
252 100
253 24.2 20.4 30.6
125 19.3 16.6 25.0





#38
Benzo(k)fluoranthene
Concen: 1.147 ng m
RT: 23.301 min Scan# 2842
Delta R.T. 0.003 min
Lab File: BN022471.D
Acq: 02 Nov 2022 19:35

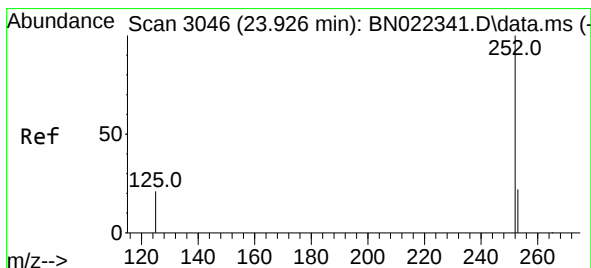
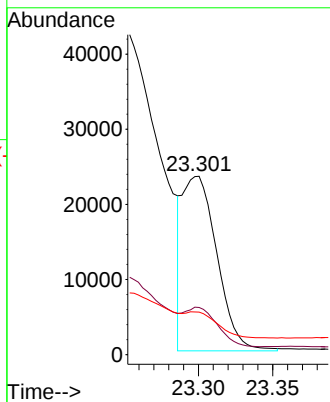
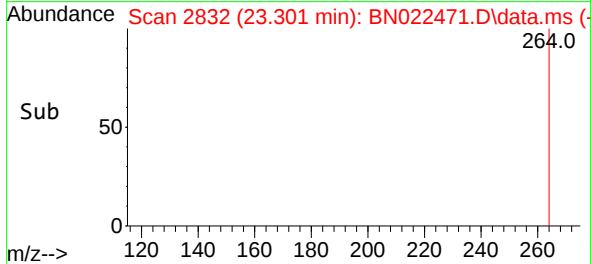
Instrument :
BNA_N
ClientSampleId :
S-8-103122



Tgt Ion:252 Resp: 37635
Ion Ratio Lower Upper
252 100
253 26.4 19.8 29.8
125 23.8 15.0 22.6

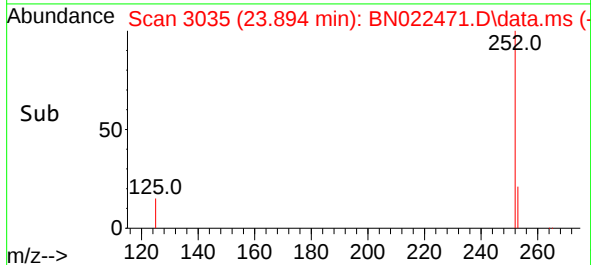
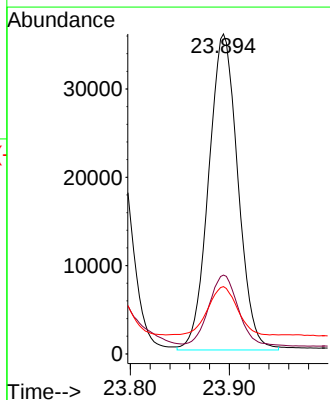
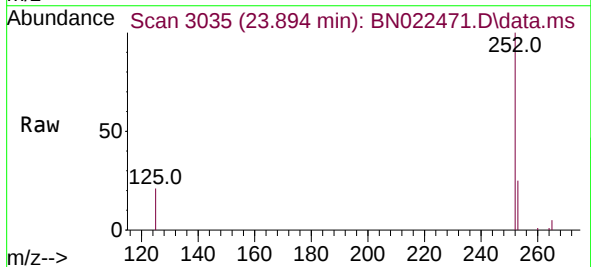
Manual Integrations
APPROVED

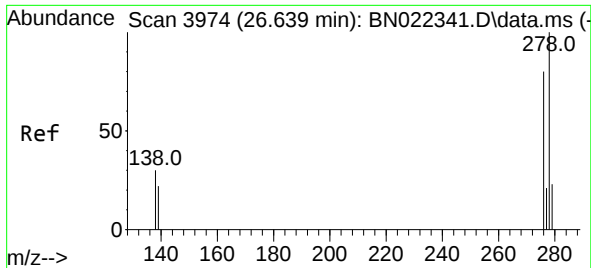
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#39
Benzo(a)pyrene
Concen: 2.731 ng m
RT: 23.894 min Scan# 3035
Delta R.T. 0.003 min
Lab File: BN022471.D
Acq: 02 Nov 2022 19:35

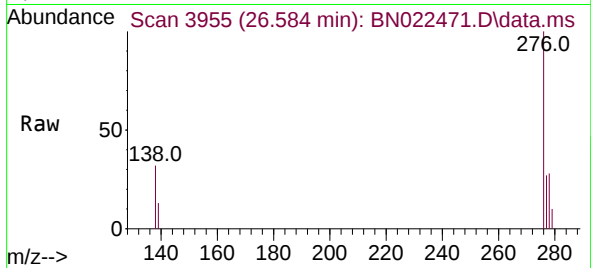
Tgt Ion:252 Resp: 73313
Ion Ratio Lower Upper
252 100
253 24.6 21.9 32.9
125 21.0 22.9 34.3





#40
Dibenzo(a,h)anthracene
Concen: 0.453 ng
RT: 26.584 min Scan# 3974
Delta R.T. -0.003 min
Lab File: BN022471.D
Acq: 02 Nov 2022 19:35

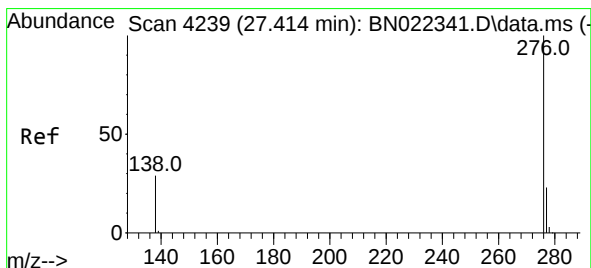
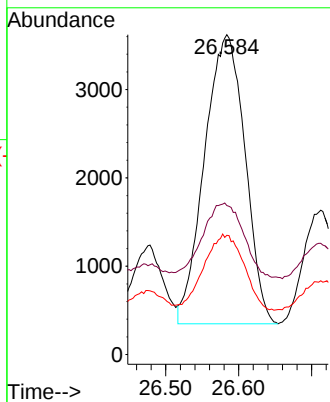
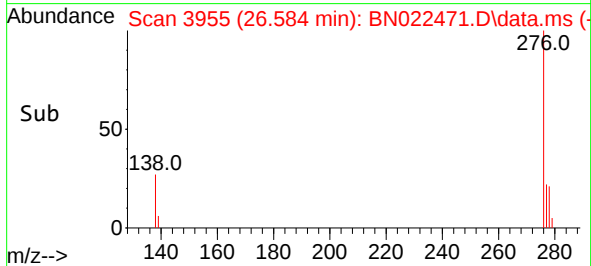
Instrument :
BNA_N
ClientSampleId :
S-8-103122



Tgt Ion:278 Resp: 12603
Ion Ratio Lower Upper
278 100
139 46.6 20.2 30.2
279 37.3 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: 1.623 ng
RT: 27.364 min Scan# 4222
Delta R.T. 0.006 min
Lab File: BN022471.D
Acq: 02 Nov 2022 19:35

Tgt Ion:276 Resp: 47622
Ion Ratio Lower Upper
276 100
277 25.7 19.5 29.3
138 32.4 25.0 37.4

