

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062723\
 Data File : BN026046.D
 Acq On : 27 Jun 2023 20:37
 Operator : MA/JU
 Sample : 03376-12
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DUP-01

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/28/2023
 Supervised By :mohammad ahmed 06/29/2023

Quant Time: Jun 28 05:51:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN062723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 05:23:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.969	152	5844	0.400	ng	0.00
7) Naphthalene-d8	10.782	136	17407	0.400	ng	0.00
13) Acenaphthene-d10	14.609	164	11031	0.400	ng	0.00
19) Phenanthrene-d10	17.356	188	22986	0.400	ng	0.00
29) Chrysene-d12	21.542	240	12659	0.400	ng	0.00
35) Perylene-d12	24.005	264	11813	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.528	112	1750	0.123	ng	0.00
5) Phenol-d6	7.146	99	1223	0.068	ng	0.00
8) Nitrobenzene-d5	9.159	82	3632	0.244	ng	0.01
11) 2-Methylnaphthalene-d10	12.374	152	7143	0.281	ng	0.00
14) 2,4,6-Tribromophenol	16.102	330	1339	0.334	ng	0.00
15) 2-Fluorobiphenyl	13.240	172	15756	0.370	ng	0.00
27) Fluoranthene-d10	19.384	212	18430	0.378	ng	0.00
31) Terphenyl-d14	19.974	244	15781	0.487	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.835	128	3300	0.070	ng	# 90
10) Hexachlorobutadiene	11.113	225	650	0.071	ng	# 99
12) 2-Methylnaphthalene	12.445	142	2566	0.077	ng	97
16) Acenaphthylene	14.331	152	1452	0.028	ng	95
17) Acenaphthene	14.673	154	1166	0.035	ng	96
18) Fluorene	15.656	166	2659	0.061	ng	100
21) 4-Bromophenyl-phenylether	16.549	248	949	0.072	ng	# 92
22) Hexachlorobenzene	16.661	284	808	0.061	ng	95
25) Phenanthrene	17.393	178	5254	0.078	ng	99
26) Anthracene	17.493	178	3623	0.060	ng	95
28) Fluoranthene	19.412	202	4300	0.061	ng	# 94
30) Pyrene	19.774	202	3256	0.046	ng	99
32) Benzo(a)anthracene	21.524	228	1446	0.032	ng	# 83
33) Chrysene	21.578	228	1674	0.033	ng	# 85
34) Bis(2-ethylhexyl)phtha...	21.435	149	3355	0.083	ng	99
36) Indeno(1,2,3-cd)pyrene	26.601	276	1643m	0.034	ng	
41) Benzo(g,h,i)perylene	27.387	276	1433	0.032	ng	# 55

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

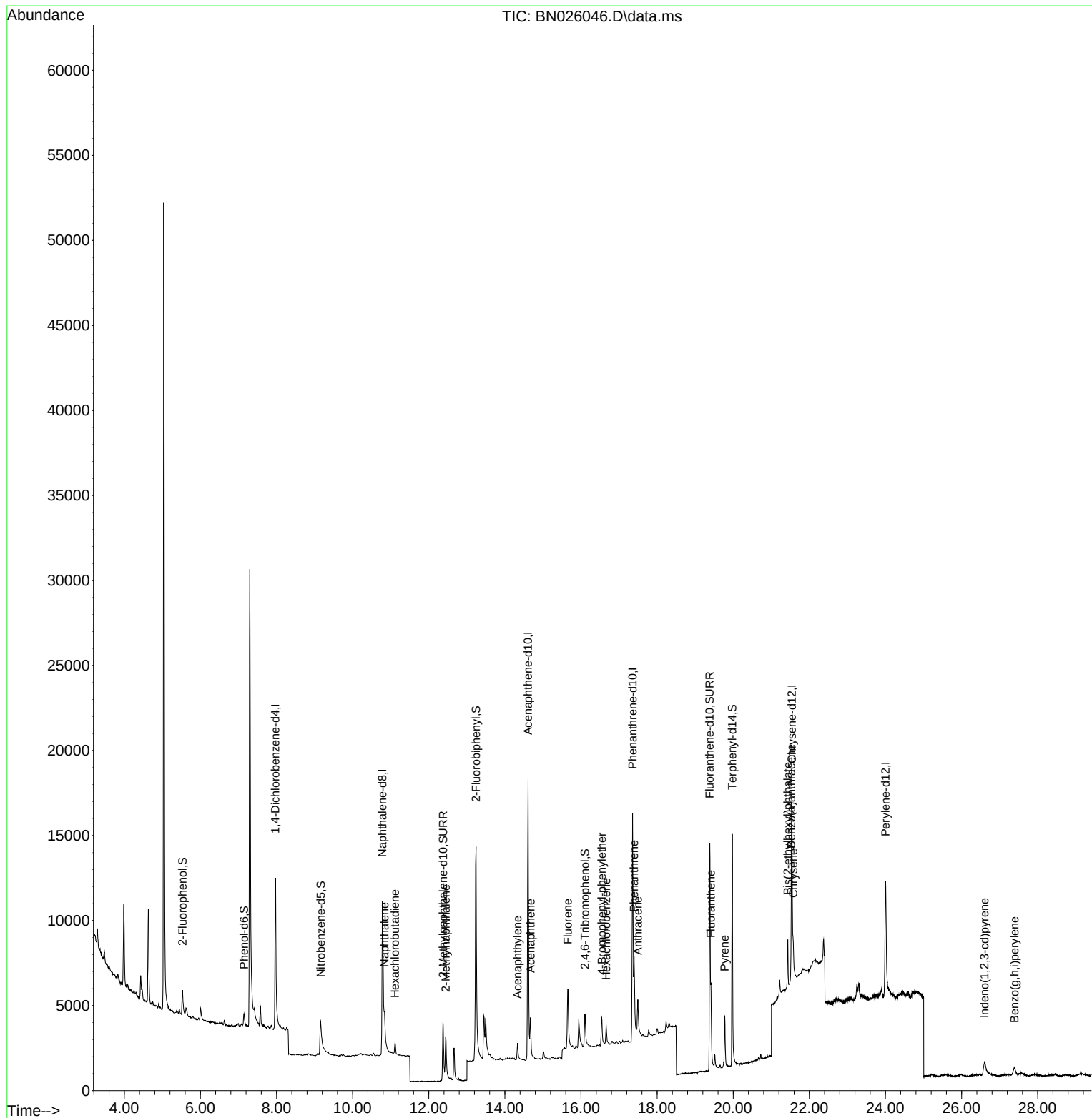
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062723\
Data File : BN026046.D
Acq On : 27 Jun 2023 20:37
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ALS Vial : 18 Sample Multiplier: 1

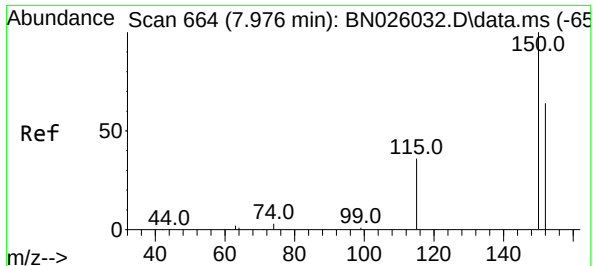
Instrument :
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Quant Time: Jun 28 05:51:13 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN062723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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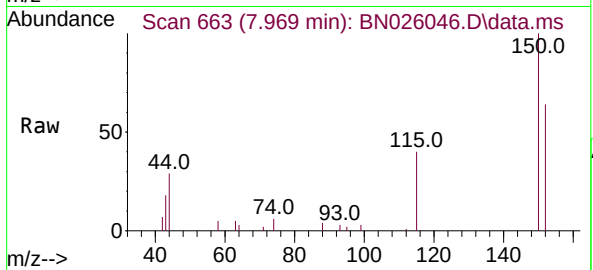
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.969 min Scan# 60
Delta R.T. -0.007 min
Lab File: BN026046.D
Acq: 27 Jun 2023 20:37

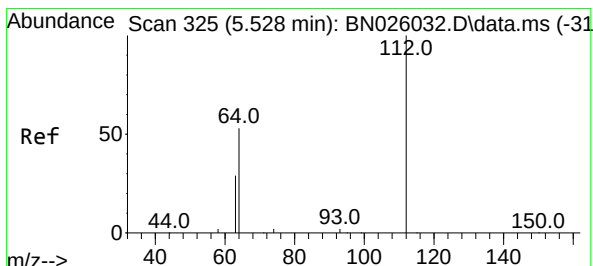
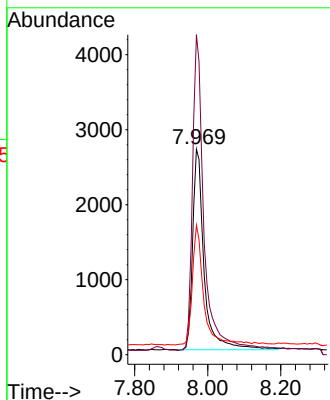
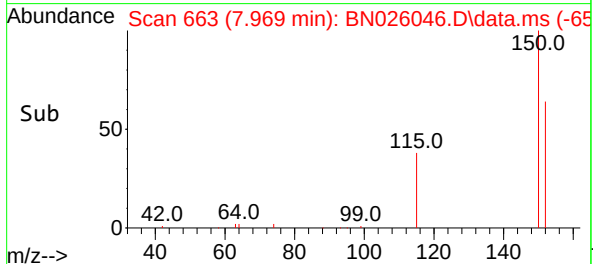
Instrument :
BNA_N
ClientSampleId :
DUP-01



Tgt Ion:152 Resp: 584
Ion Ratio Lower Upper
152 100
150 155.6 124.7 187.1
115 62.9 48.2 72.4

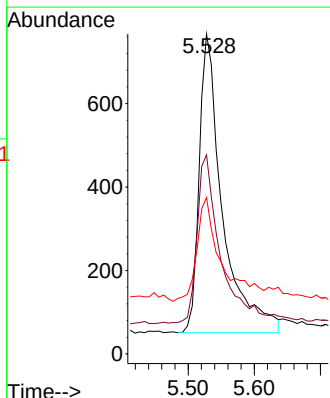
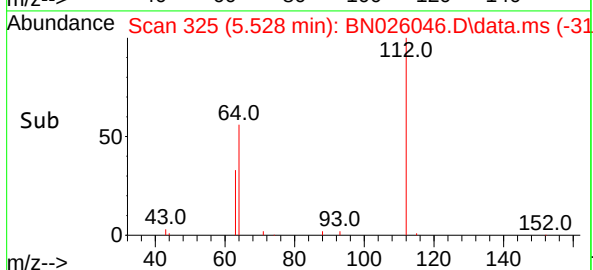
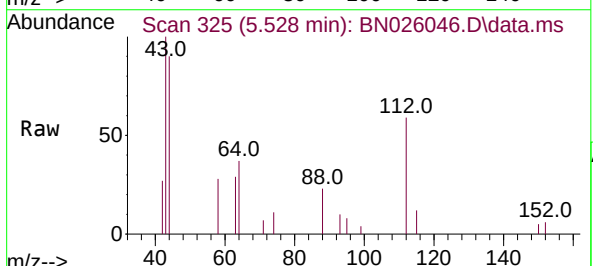
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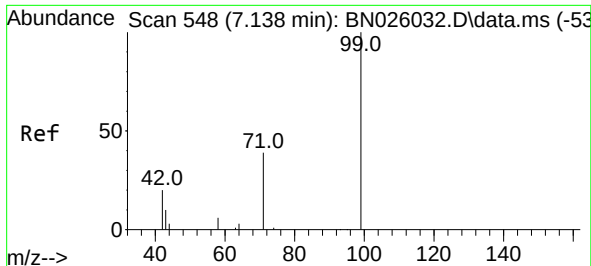
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#4
2-Fluorophenol
Concen: 0.123 ng
RT: 5.528 min Scan# 325
Delta R.T. 0.000 min
Lab File: BN026046.D
Acq: 27 Jun 2023 20:37

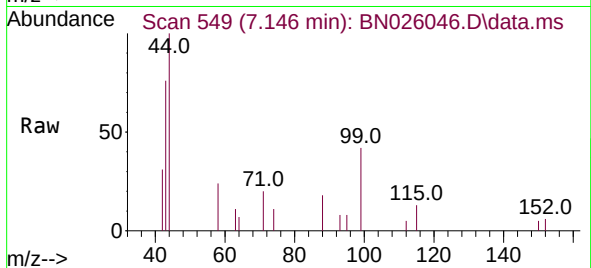
Tgt Ion:112 Resp: 1750
Ion Ratio Lower Upper
112 100
64 57.4 45.8 68.6
63 36.7 27.4 41.2





#5
Phenol-d6
Concen: 0.068 ng
RT: 7.146 min Scan# 548
Delta R.T. 0.007 min
Lab File: BN026046.D
Acq: 27 Jun 2023 20:37

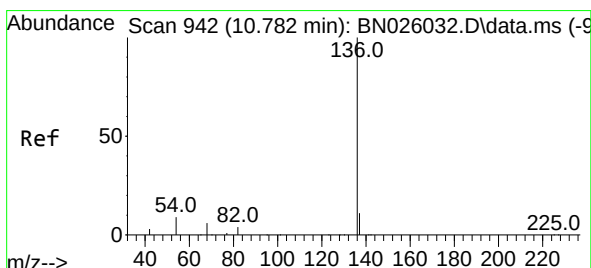
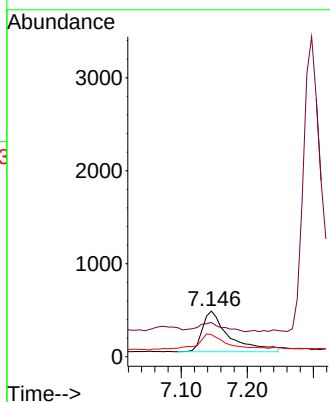
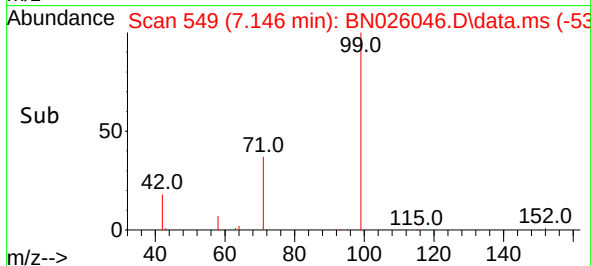
Instrument :
BNA_N
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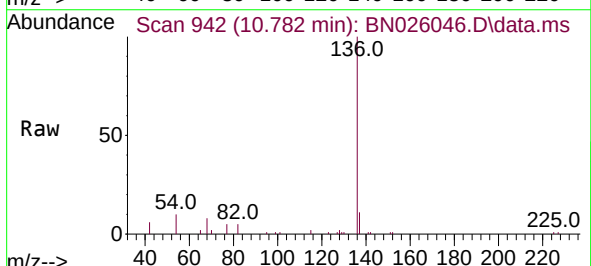
Tgt Ion: 99 Resp: 122
Ion Ratio Lower Upper
99 100
42 20.5 18.4 27.6
71 45.1 30.6 46.0

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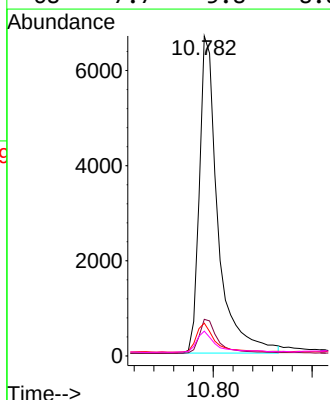
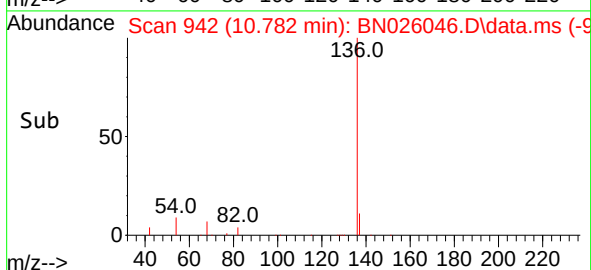
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Supervised By :mohammad ahmed 06/29/2023

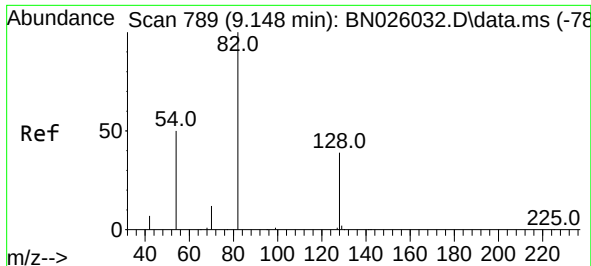


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.782 min Scan# 942
Delta R.T. 0.000 min
Lab File: BN026046.D
Acq: 27 Jun 2023 20:37



Tgt Ion:136 Resp: 17407
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.4
54 10.3 7.8 11.6
68 7.7 5.8 8.8





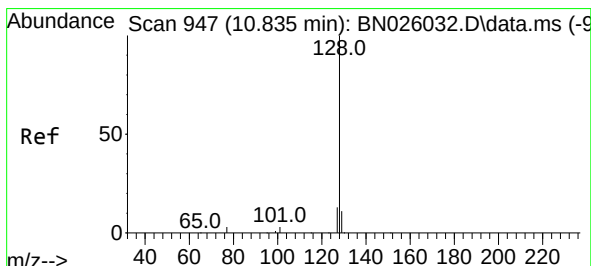
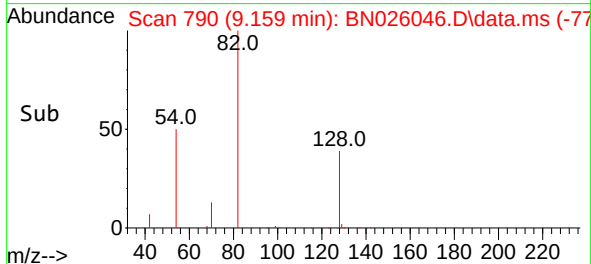
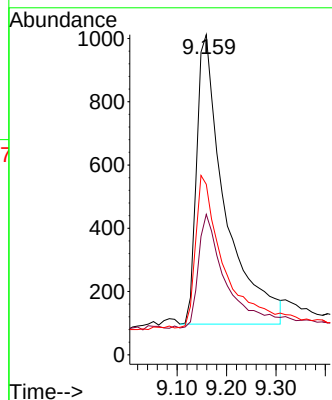
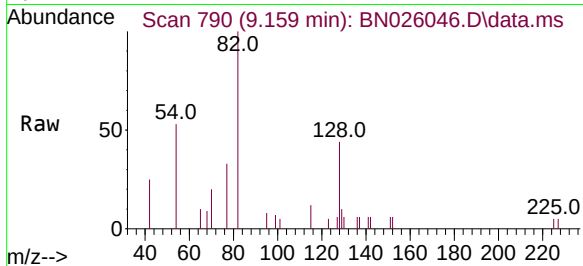
#8
Nitrobenzene-d5
Concen: 0.244 ng
RT: 9.159 min Scan# 790
Delta R.T. 0.011 min
Lab File: BN026046.D
Acq: 27 Jun 2023 20:37

Instrument :
BNA_N
ClientSampleId :
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Tgt Ion: 82 Resp: 363
Ion Ratio Lower Upper
82 100
128 43.9 33.4 50.2
54 53.3 41.7 62.5

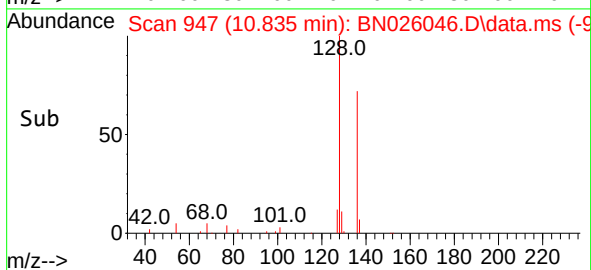
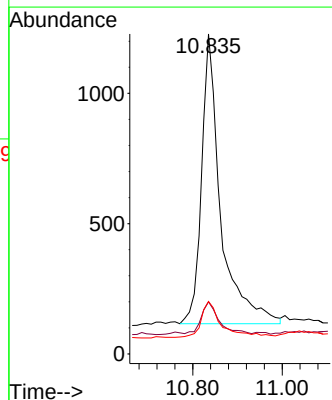
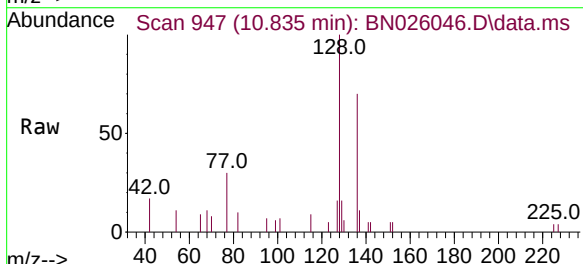
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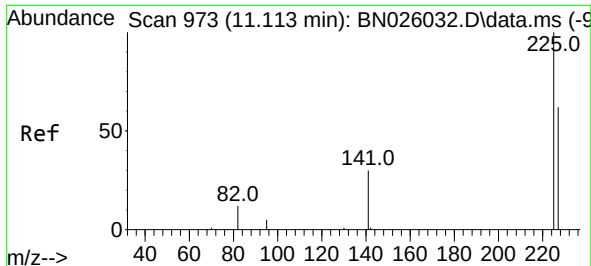
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#9
Naphthalene
Concen: 0.070 ng
RT: 10.835 min Scan# 947
Delta R.T. 0.000 min
Lab File: BN026046.D
Acq: 27 Jun 2023 20:37

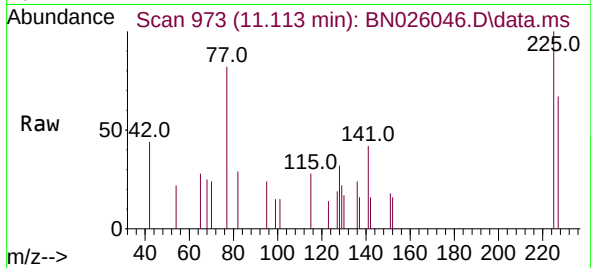
Tgt Ion:128 Resp: 3300
Ion Ratio Lower Upper
128 100
129 16.3 9.1 13.7#
127 16.4 10.9 16.3#





#10
Hexachlorobutadiene
Concen: 0.071 ng
RT: 11.113 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN026046.D
Acq: 27 Jun 2023 20:37

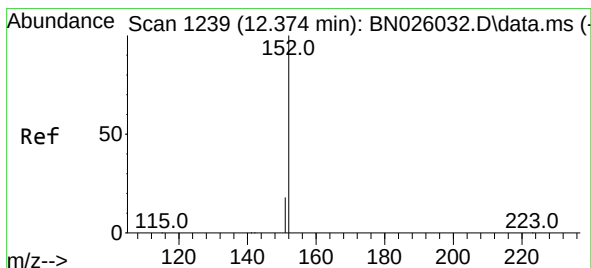
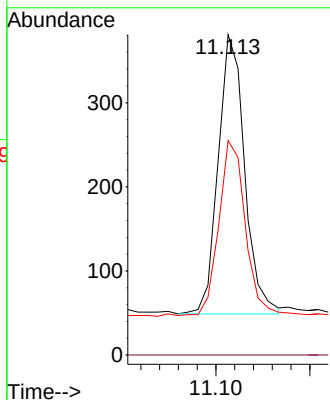
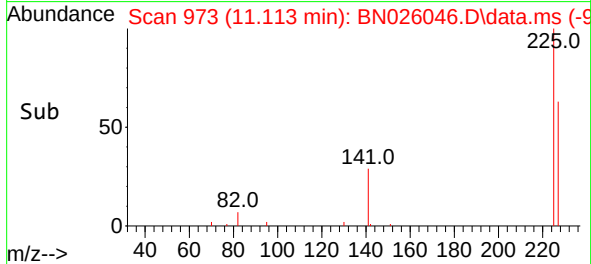
Instrument :
BNA_N
ClientSampleId :
DUP-01



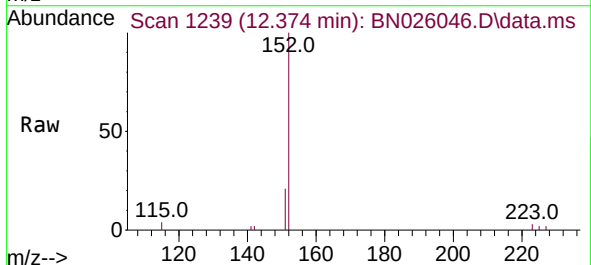
Tgt Ion:225 Resp: 650
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 62.3 50.3 75.5

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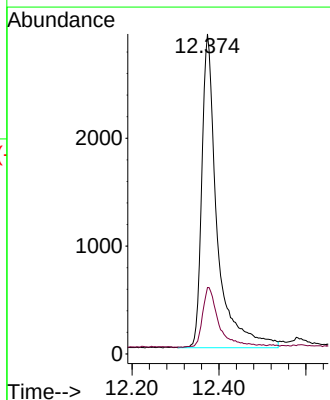
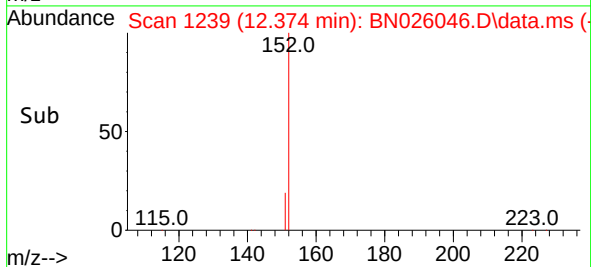
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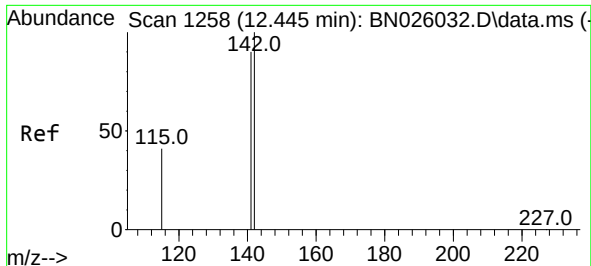


#11
2-Methylnaphthalene-d10
Concen: 0.281 ng
RT: 12.374 min Scan# 1239
Delta R.T. 0.000 min
Lab File: BN026046.D
Acq: 27 Jun 2023 20:37



Tgt Ion:152 Resp: 7143
Ion Ratio Lower Upper
152 100
151 20.1 16.2 24.2





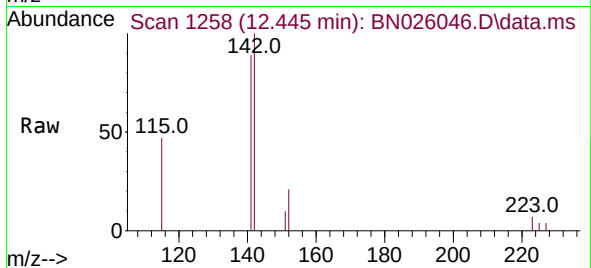
#12
2-Methylnaphthalene
Concen: 0.077 ng
RT: 12.445 min Scan# 1258
Delta R.T. 0.000 min
Lab File: BN026046.D
Acq: 27 Jun 2023 20:37

Instrument :

BNA_N

ClientSampleId :

DUP-01

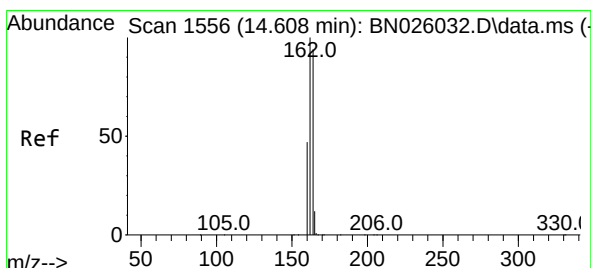
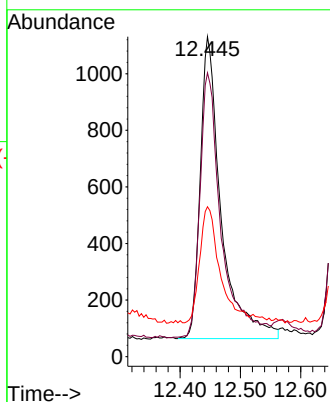
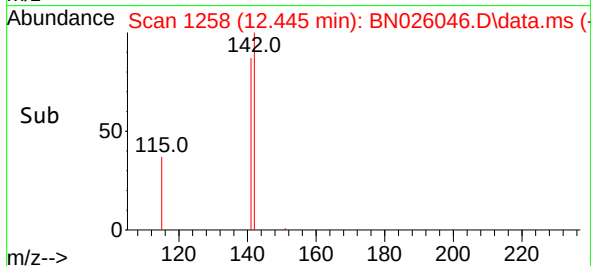


Tgt Ion:142 Resp: 2560
Ion Ratio Lower Upper
142 100
141 88.7 71.7 107.5
115 46.9 33.4 50.0

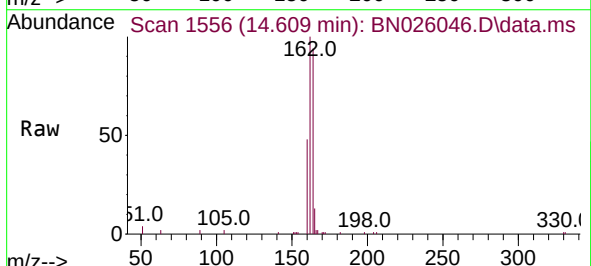
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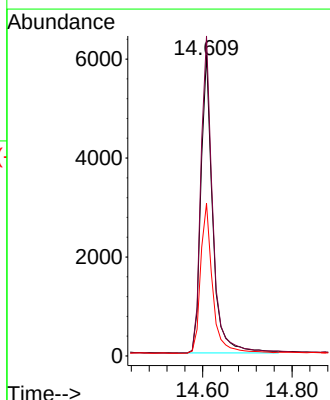
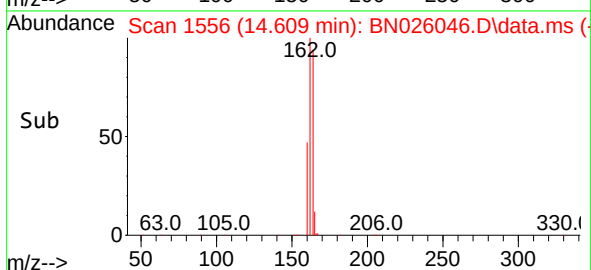
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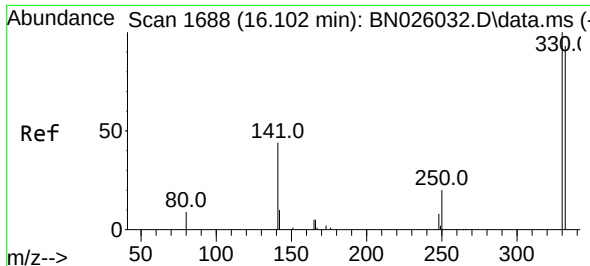


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.609 min Scan# 1556
Delta R.T. 0.000 min
Lab File: BN026046.D
Acq: 27 Jun 2023 20:37



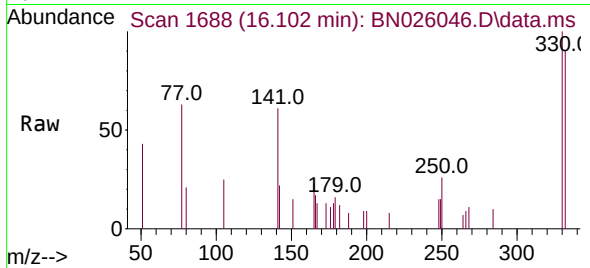
Tgt Ion:164 Resp: 11031
Ion Ratio Lower Upper
164 100
162 106.2 85.3 127.9
160 50.6 40.0 60.0





#14
2,4,6-Tribromophenol
Concen: 0.334 ng
RT: 16.102 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN026046.D
Acq: 27 Jun 2023 20:37

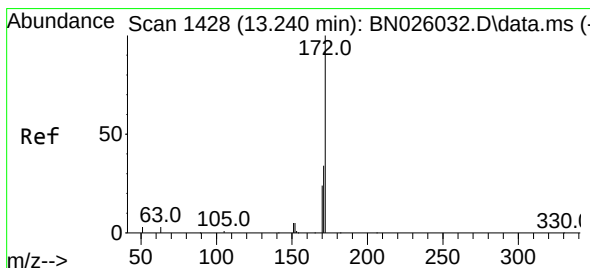
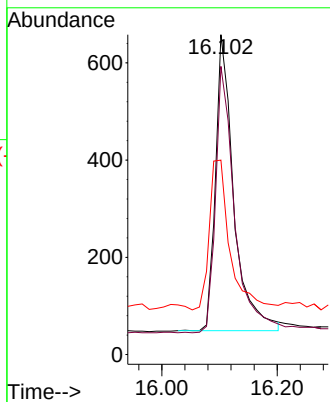
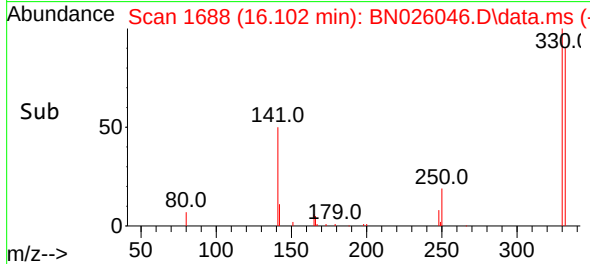
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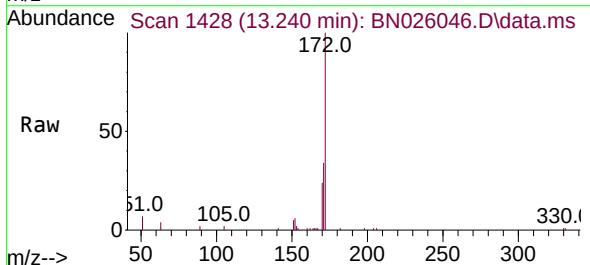
Tgt Ion:330 Resp: 1339
Ion Ratio Lower Upper
330 100
332 93.9 76.0 114.0
141 57.2 42.8 64.2

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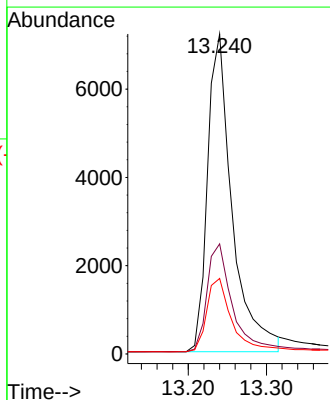
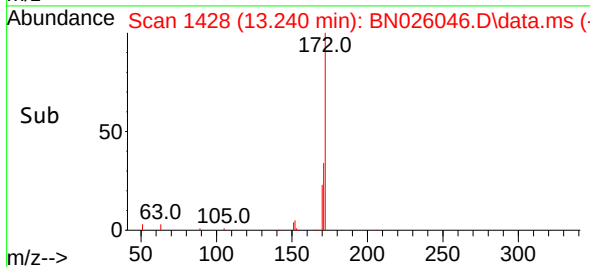
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023

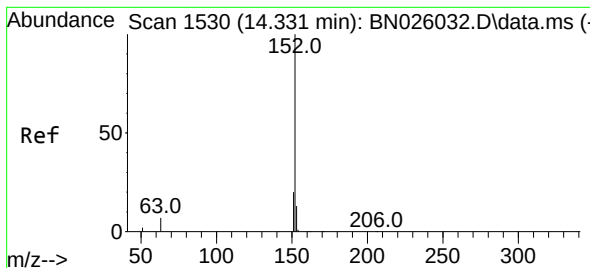


#15
2-Fluorobiphenyl
Concen: 0.370 ng
RT: 13.240 min Scan# 1428
Delta R.T. 0.000 min
Lab File: BN026046.D
Acq: 27 Jun 2023 20:37



Tgt Ion:172 Resp: 15756
Ion Ratio Lower Upper
172 100
171 34.4 27.8 41.8
170 23.6 19.3 28.9





#16

Acenaphthylene

Concen: 0.028 ng

RT: 14.331 min Scan# 1530

Delta R.T. 0.000 min

Lab File: BN026046.D

Acq: 27 Jun 2023 20:37

Instrument :

BNA_N

ClientSampleId :

DUP-01

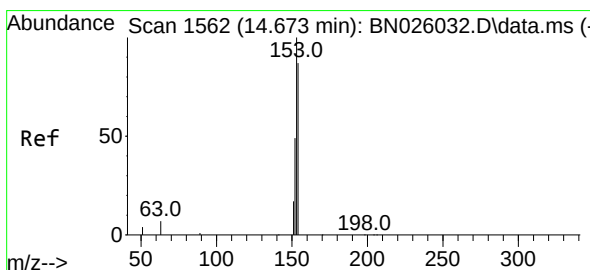
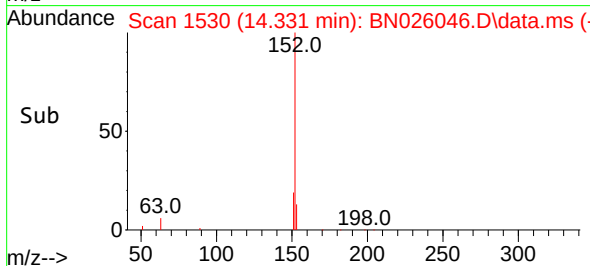
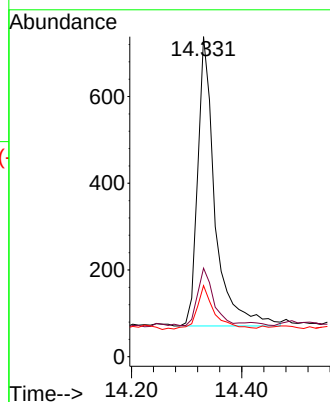
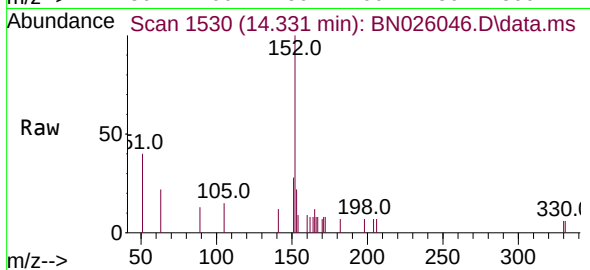
Tgt Ion:	152	Resp:	145
Ion Ratio	Lower	Upper	
152	100		
151	18.0	15.9	23.9
153	15.4	10.6	15.8

Manual Integrations

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Reviewed By :Yogesh Patel 06/28/2023

Supervised By :mohammad ahmed 06/29/2023



#17

Acenaphthene

Concen: 0.035 ng

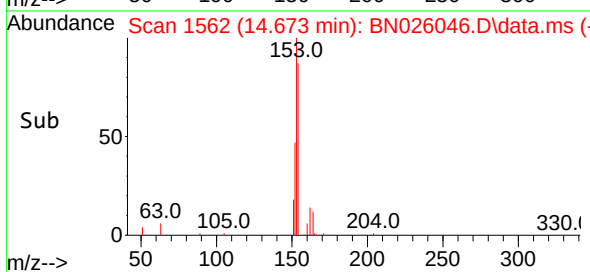
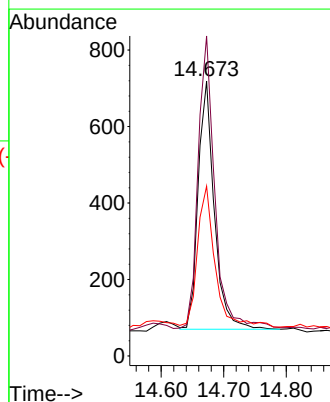
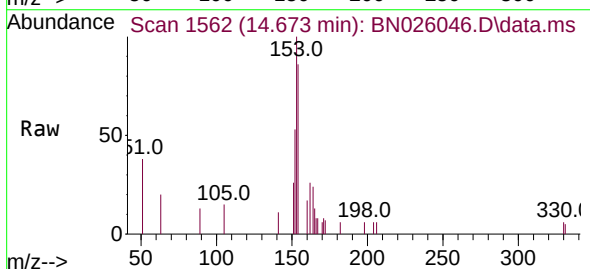
RT: 14.673 min Scan# 1562

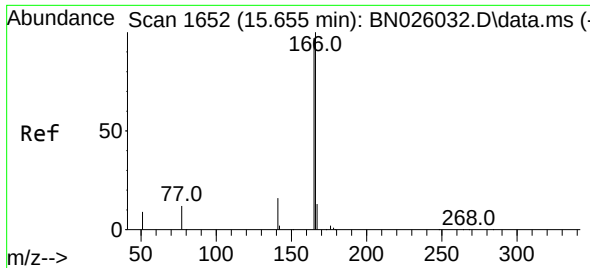
Delta R.T. -0.000 min

Lab File: BN026046.D

Acq: 27 Jun 2023 20:37

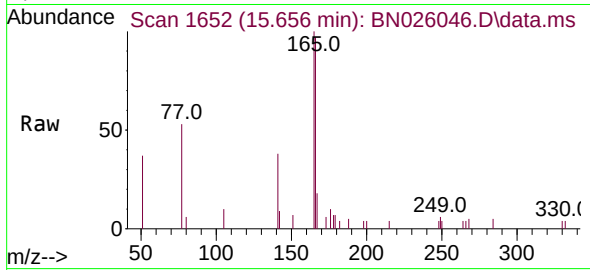
Tgt Ion:	154	Resp:	1166
Ion Ratio	Lower	Upper	
154	100		
153	121.4	94.4	141.6
152	61.7	46.1	69.1





#18
 Fluorene
 Concen: 0.061 ng
 RT: 15.656 min Scan# 1652
 Delta R.T. 0.000 min
 Lab File: BN026046.D
 Acq: 27 Jun 2023 20:37

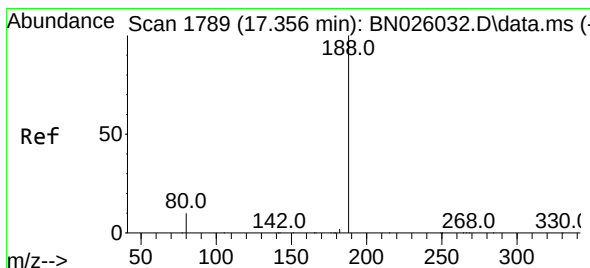
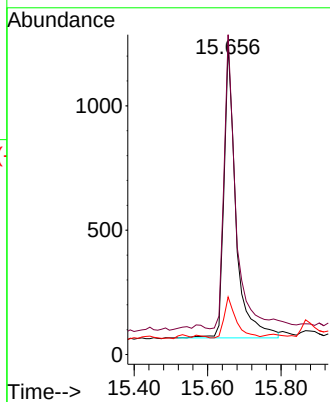
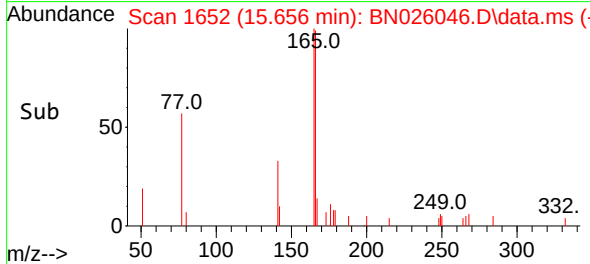
Instrument :
 BNA_N
 ClientSampleId :
 DUP-01



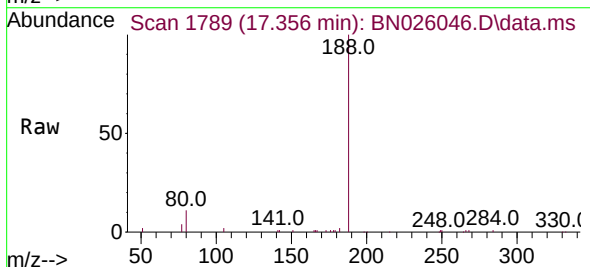
Tgt Ion:166 Resp: 2659
 Ion Ratio Lower Upper
 166 100
 165 99.4 79.7 119.5
 167 14.1 10.6 16.0

Manual Integrations
 APPROVED

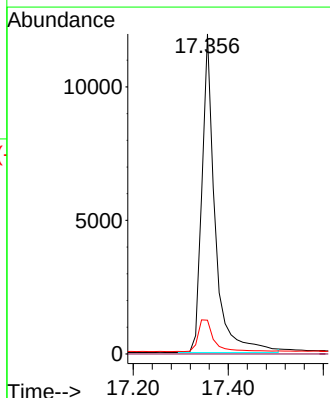
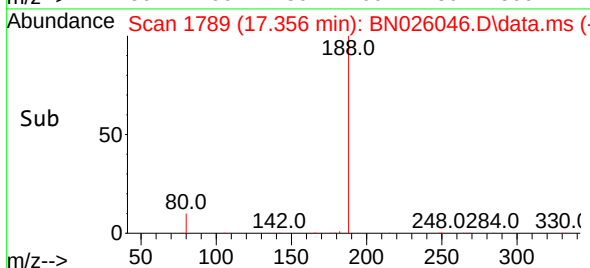
Reviewed By :Yogesh Patel 06/28/2023
 Supervised By :mohammad ahmed 06/29/2023

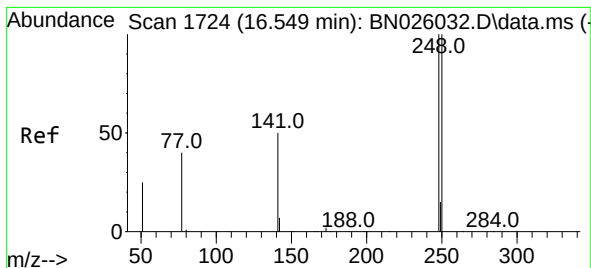


#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.356 min Scan# 1789
 Delta R.T. 0.000 min
 Lab File: BN026046.D
 Acq: 27 Jun 2023 20:37



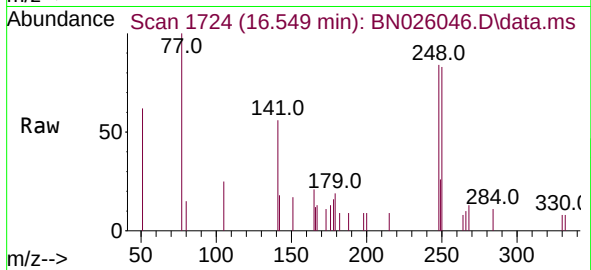
Tgt Ion:188 Resp: 22986
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 10.6 8.6 13.0





#21
4-Bromophenyl-phenylether
Concen: 0.072 ng
RT: 16.549 min Scan# 1724
Delta R.T. 0.000 min
Lab File: BN026046.D
Acq: 27 Jun 2023 20:37

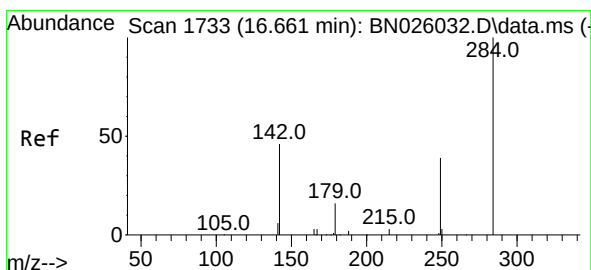
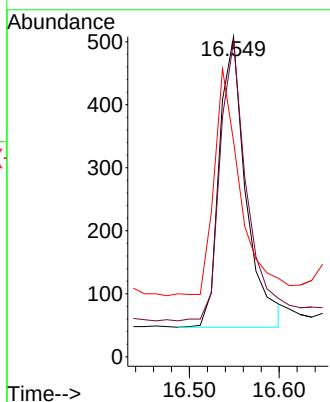
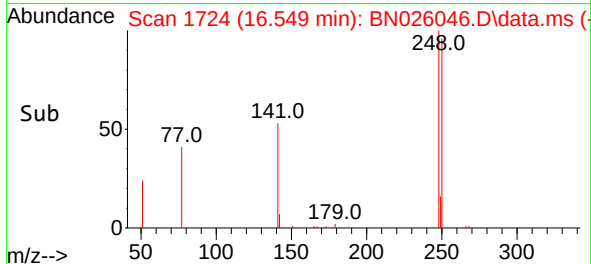
Instrument :
BNA_N
ClientSampleId :
DUP-01



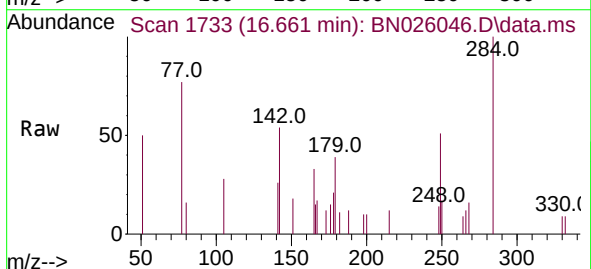
Tgt Ion:248 Resp: 949
Ion Ratio Lower Upper
248 100
250 98.6 79.9 119.9
141 67.3 41.6 62.4

Manual Integrations
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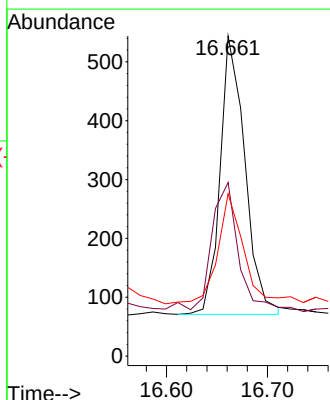
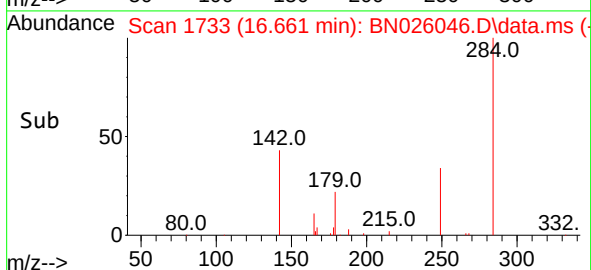
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023

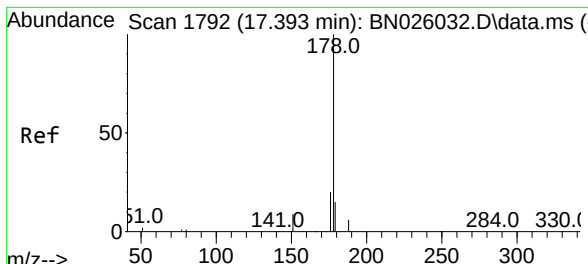


#22
Hexachlorobenzene
Concen: 0.061 ng
RT: 16.661 min Scan# 1733
Delta R.T. 0.000 min
Lab File: BN026046.D
Acq: 27 Jun 2023 20:37



Tgt Ion:284 Resp: 808
Ion Ratio Lower Upper
284 100
142 47.2 38.7 58.1
249 40.6 28.5 42.7





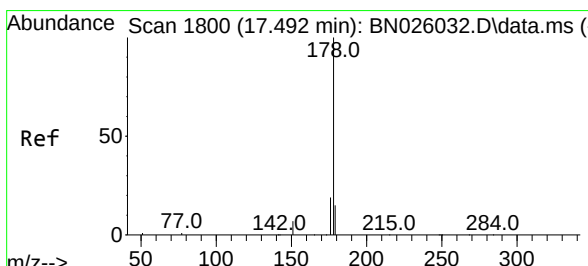
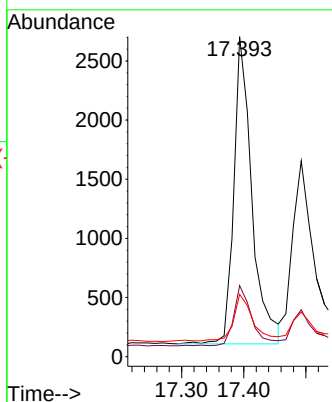
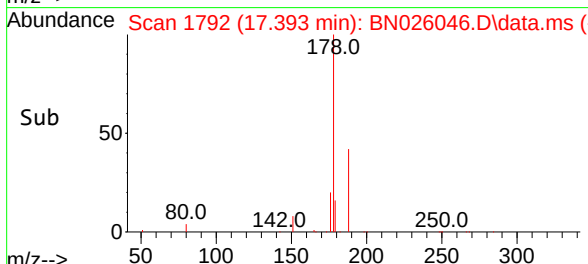
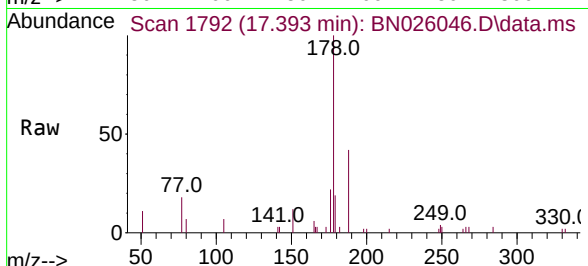
#25
 Phenanthrene
 Concen: 0.078 ng
 RT: 17.393 min Scan# 1792
 Delta R.T. 0.000 min
 Lab File: BN026046.D
 Acq: 27 Jun 2023 20:37

Instrument :
 BNA_N
 ClientSampleId :
 DUP-01

Tgt Ion:	178	Resp:	525
Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.6	23.4
179	15.9	12.3	18.5

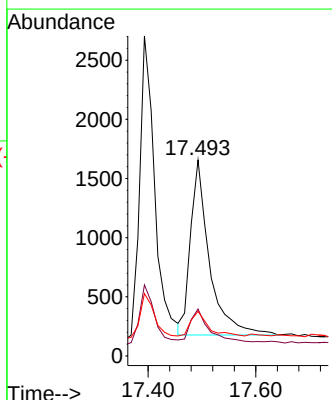
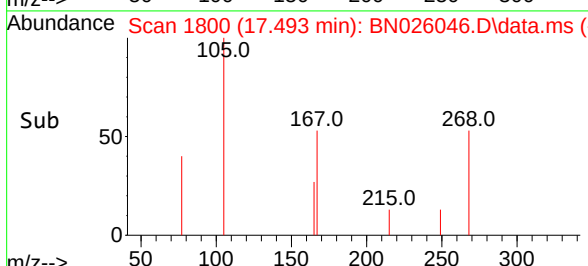
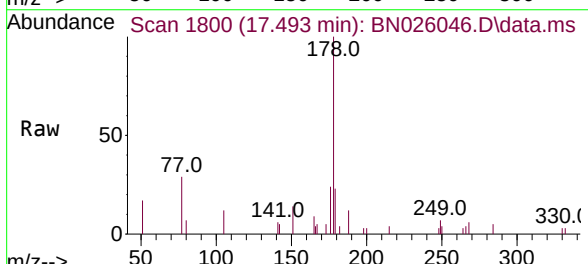
Manual Integrations
 APPROVED

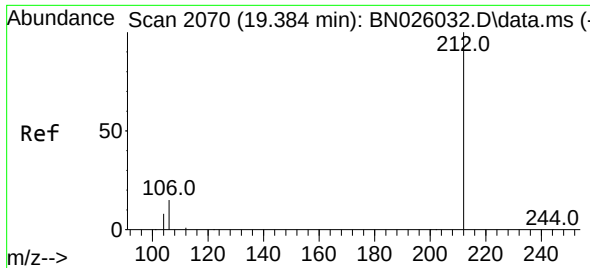
Reviewed By :Yogesh Patel 06/28/2023
 Supervised By :mohammad ahmed 06/29/2023



#26
 Anthracene
 Concen: 0.060 ng
 RT: 17.493 min Scan# 1800
 Delta R.T. 0.000 min
 Lab File: BN026046.D
 Acq: 27 Jun 2023 20:37

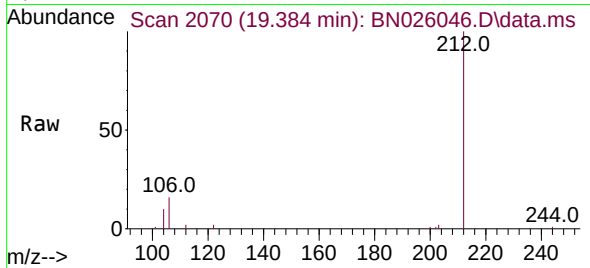
Tgt Ion:	178	Resp:	3623
Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.0	22.4
179	12.6	12.4	18.6





#27
Fluoranthene-d10
Concen: 0.378 ng
RT: 19.384 min Scan# 2070
Delta R.T. 0.000 min
Lab File: BN026046.D
Acq: 27 Jun 2023 20:37

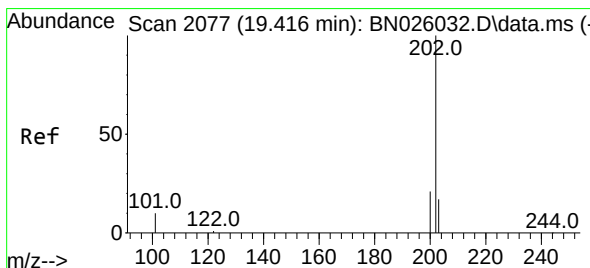
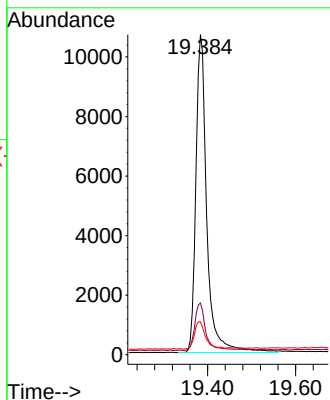
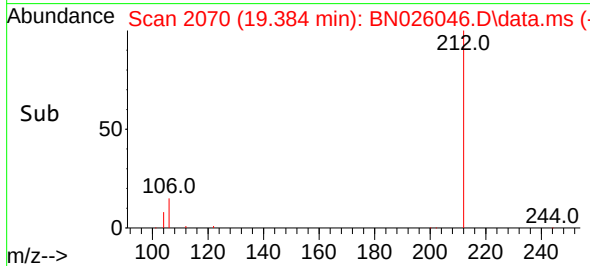
Instrument :
BNA_N
ClientSampleId :
DUP-01



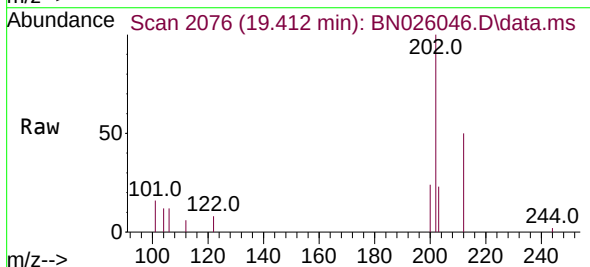
Tgt Ion:212 Resp: 18430
Ion Ratio Lower Upper
212 100
106 15.0 11.6 17.4
104 8.8 7.2 10.8

Manual Integrations
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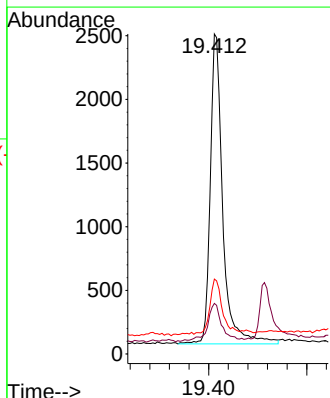
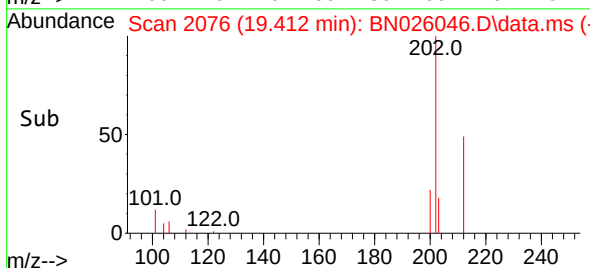
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023

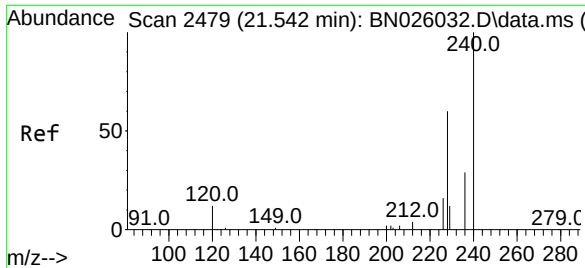


#28
Fluoranthene
Concen: 0.061 ng
RT: 19.412 min Scan# 2076
Delta R.T. -0.005 min
Lab File: BN026046.D
Acq: 27 Jun 2023 20:37



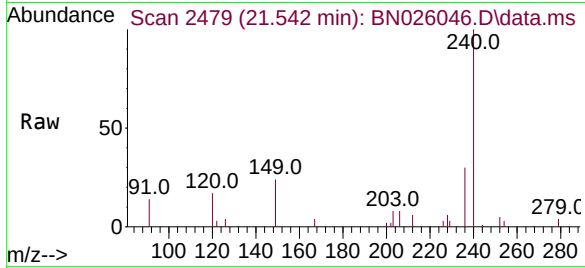
Tgt Ion:202 Resp: 4300
Ion Ratio Lower Upper
202 100
101 14.7 8.3 12.5#
203 17.7 13.5 20.3





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.542 min Scan# 2479
Delta R.T. 0.000 min
Lab File: BN026046.D
Acq: 27 Jun 2023 20:37

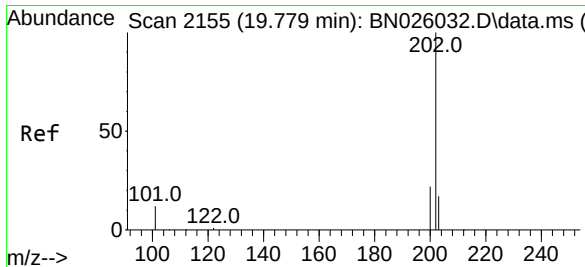
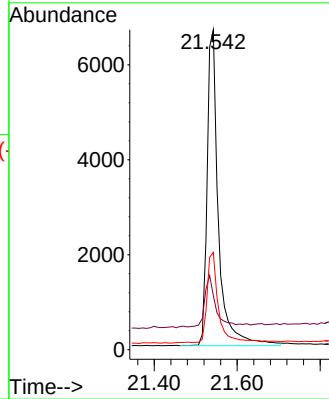
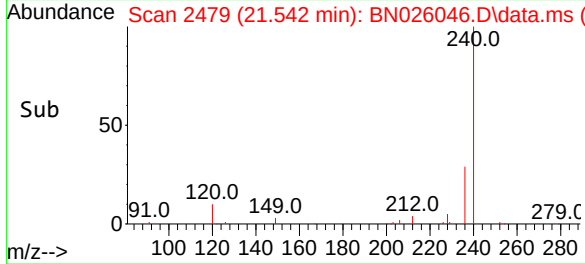
Instrument :
BNA_N
ClientSampleId :
DUP-01



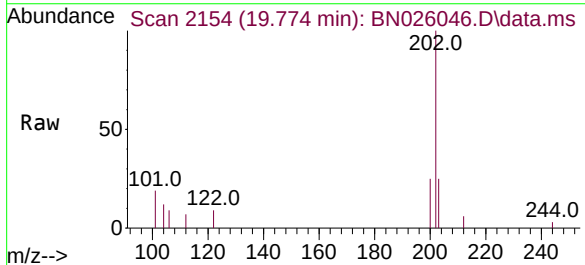
Tgt Ion:240 Resp: 1265
Ion Ratio Lower Upper
240 100
120 16.9 14.6 22.0
236 30.4 24.2 36.2

Manual Integrations
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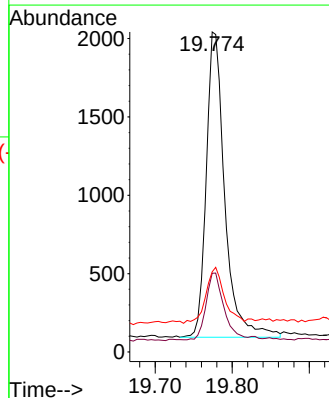
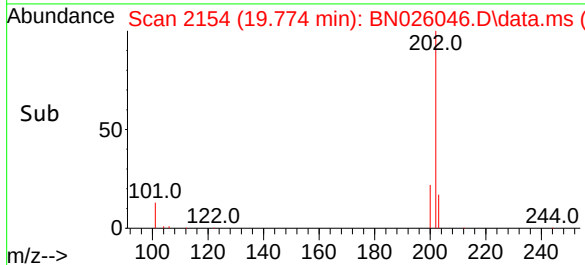
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023

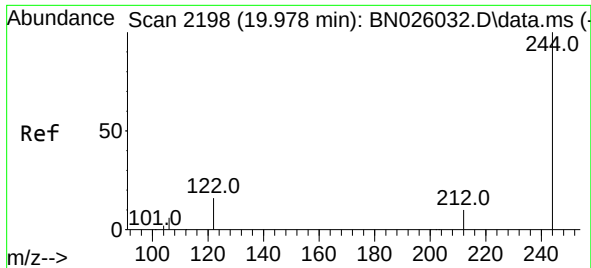


#30
Pyrene
Concen: 0.046 ng
RT: 19.774 min Scan# 2154
Delta R.T. -0.005 min
Lab File: BN026046.D
Acq: 27 Jun 2023 20:37



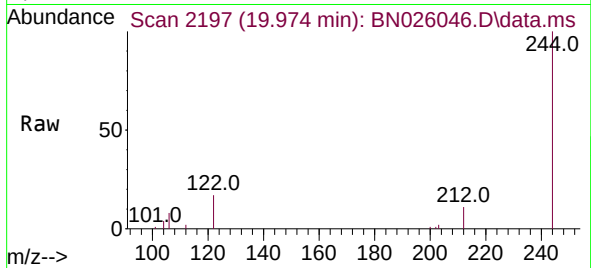
Tgt Ion:202 Resp: 3256
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.4
203 18.1 14.2 21.4





#31
 Terphenyl-d14
 Concen: 0.487 ng
 RT: 19.974 min Scan# 2197
 Delta R.T. -0.005 min
 Lab File: BN026046.D
 Acq: 27 Jun 2023 20:37

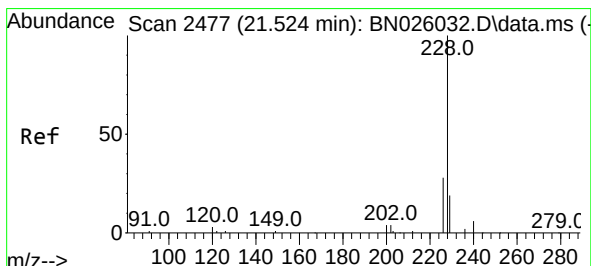
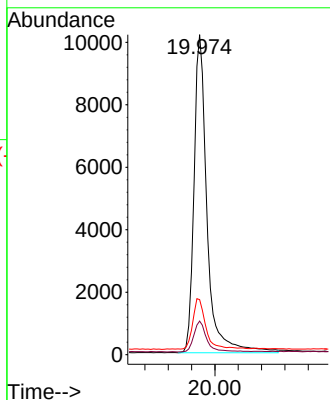
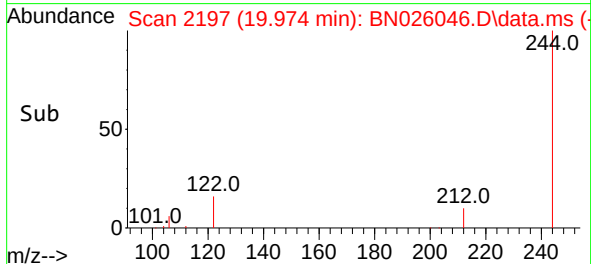
Instrument :
 BNA_N
 ClientSampleId :
 DUP-01



Tgt Ion:244 Resp: 1578
 Ion Ratio Lower Upper
 244 100
 212 10.5 8.7 13.1
 122 17.2 13.7 20.5

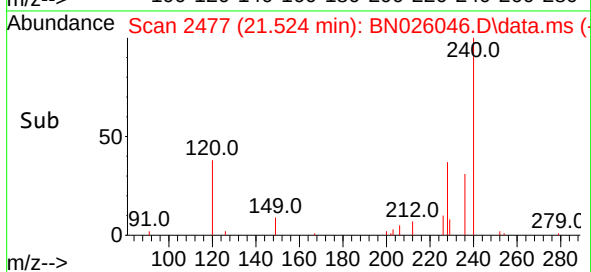
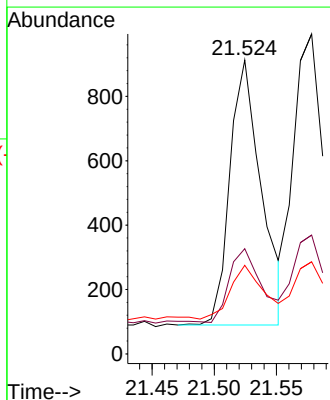
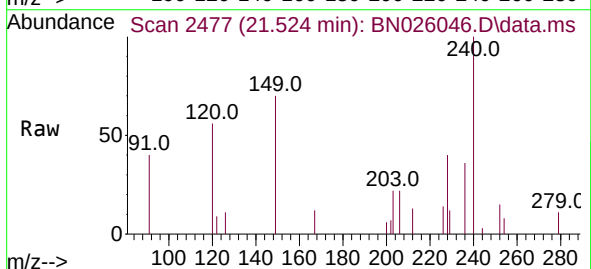
Manual Integrations
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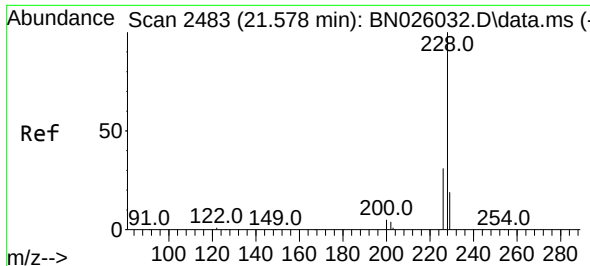
Reviewed By :Yogesh Patel 06/28/2023
 Supervised By :mohammad ahmed 06/29/2023



#32
 Benzo(a)anthracene
 Concen: 0.032 ng
 RT: 21.524 min Scan# 2477
 Delta R.T. 0.000 min
 Lab File: BN026046.D
 Acq: 27 Jun 2023 20:37

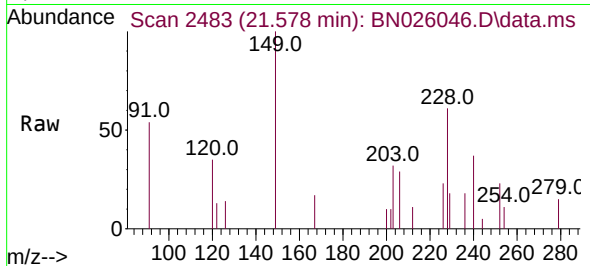
Tgt Ion:228 Resp: 1446
 Ion Ratio Lower Upper
 228 100
 226 35.8 23.0 34.6#
 229 30.1 15.9 23.9#





#33
Chrysene
Concen: 0.033 ng
RT: 21.578 min Scan# 2483
Delta R.T. 0.000 min
Lab File: BN026046.D
Acq: 27 Jun 2023 20:37

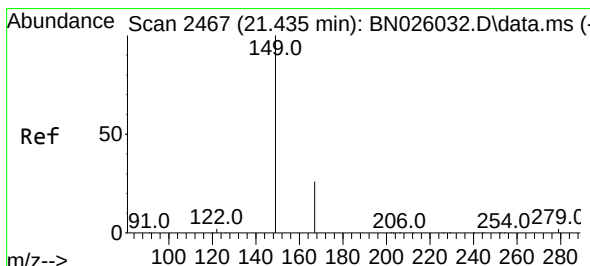
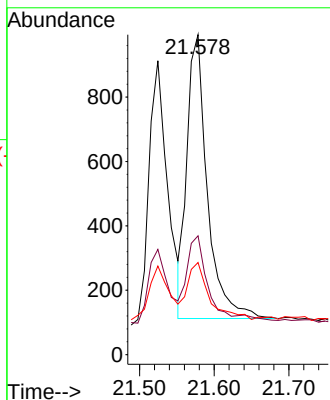
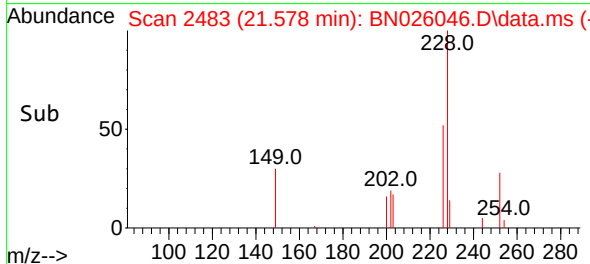
Instrument :
BNA_N
ClientSampleId :
DUP-01



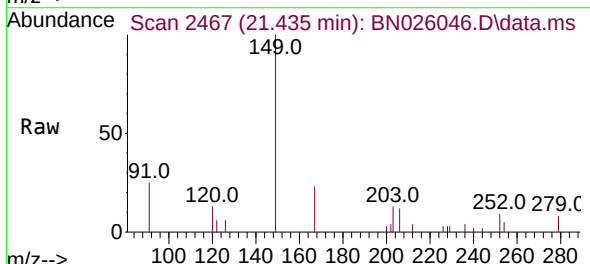
Tgt Ion: 228 Resp: 1674
Ion Ratio Lower Upper
228 100
226 37.1 24.8 37.2
229 28.8 15.6 23.4

Manual Integrations
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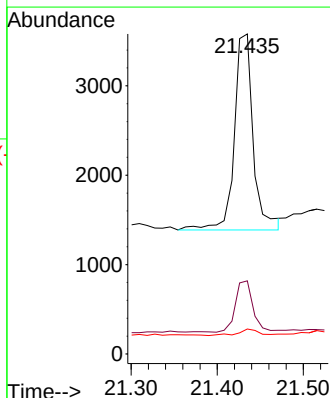
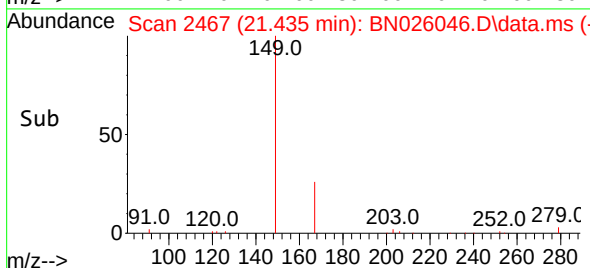
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023

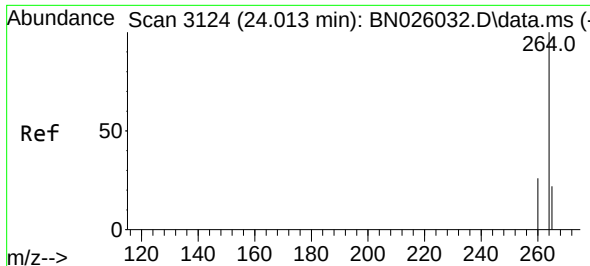


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.083 ng
RT: 21.435 min Scan# 2467
Delta R.T. 0.000 min
Lab File: BN026046.D
Acq: 27 Jun 2023 20:37



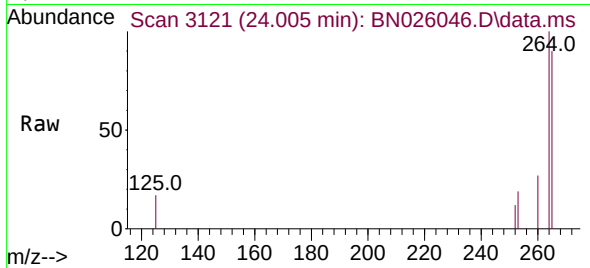
Tgt Ion: 149 Resp: 3355
Ion Ratio Lower Upper
149 100
167 24.6 20.2 30.4
279 3.5 2.4 3.6





#35
Perylene-d12
Concen: 0.400 ng
RT: 24.005 min Scan# 3121
Delta R.T. -0.009 min
Lab File: BN026046.D
Acq: 27 Jun 2023 20:37

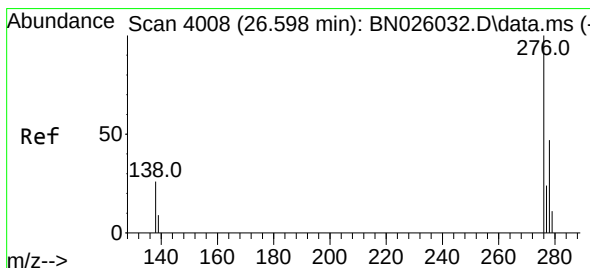
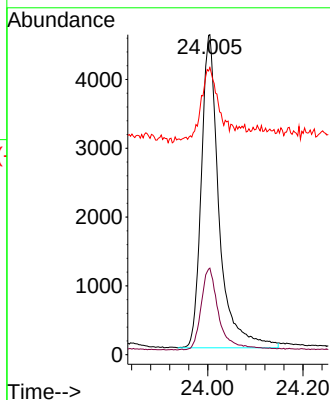
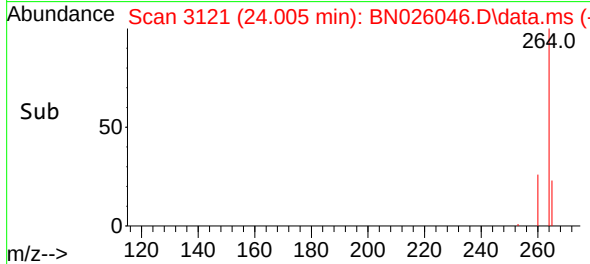
Instrument :
BNA_N
ClientSampleId :
DUP-01



Tgt Ion:264 Resp: 1181
Ion Ratio Lower Upper
264 100
260 27.0 21.9 32.9
265 89.8 80.3 120.5

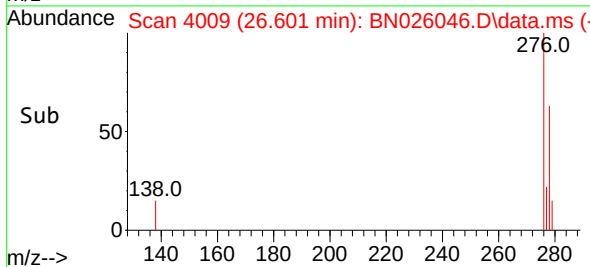
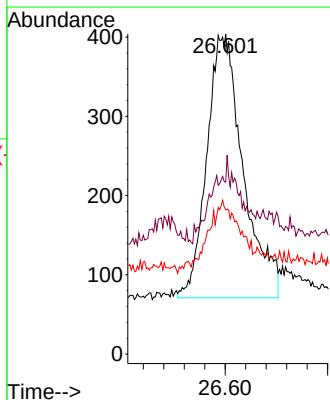
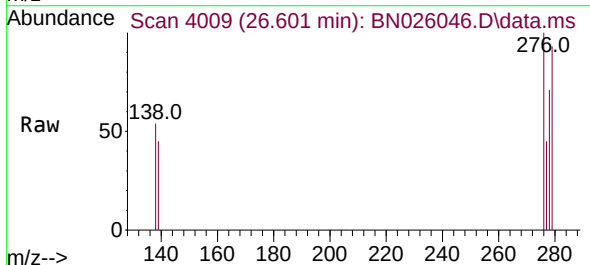
Manual Integrations
APPROVED

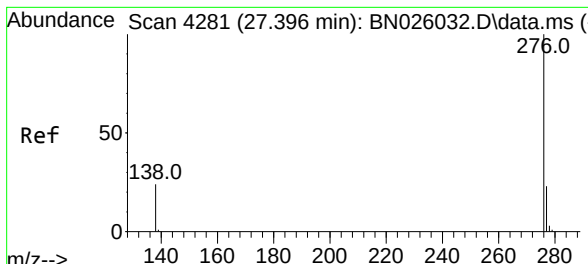
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.034 ng m
RT: 26.601 min Scan# 4009
Delta R.T. 0.003 min
Lab File: BN026046.D
Acq: 27 Jun 2023 20:37

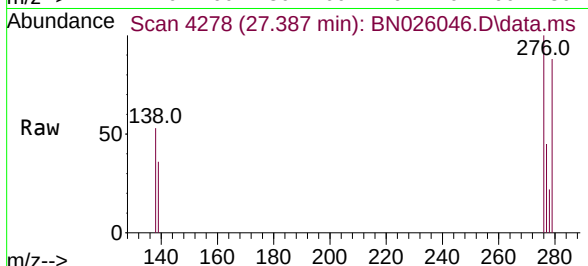
Tgt Ion:276 Resp: 1643
Ion Ratio Lower Upper
276 100
138 8.0 21.4 32.2#
277 5.4 19.6 29.4#





#41
 Benzo(g,h,i)perylene
 Concen: 0.032 ng
 RT: 27.387 min Scan# 41
 Delta R.T. -0.009 min
 Lab File: BN026046.D
 Acq: 27 Jun 2023 20:37

Instrument :
 BNA_N
 ClientSampleId :
 DUP-01



Tgt Ion: 276 Resp: 143

Ion	Ratio	Lower	Upper
276	100		
277	45.4	20.3	30.5
138	52.6	21.5	32.3

Manual Integrations
APPROVED
 Reviewed By :Yogesh Patel 06/28/2023
 Supervised By :mohammad ahmed 06/29/2023

