

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN0511223\
 Data File : BN025432.D
 Acq On : 12 May 2023 12:30
 Operator : CG/JU
 Sample : 02722-02DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CO-72533DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/15/2023
 Supervised By : Jagrut Upadhyay 05/15/2023

Quant Time: May 12 18:13:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 12 00:57:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.904	152	9615	0.400	ng	0.00
7) Naphthalene-d8	10.707	136	35402	0.400	ng	# 0.00
13) Acenaphthene-d10	14.544	164	43590	0.400	ng	# 0.00
19) Phenanthrene-d10	17.299	188	60090	0.400	ng	# 0.00
29) Chrysene-d12	21.495	240	39012	0.400	ng	# 0.00
35) Perylene-d12	23.923	264	35040	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.463	112	161	0.007	ng	0.00
5) Phenol-d6	7.081	99	11	0.000	ng	0.00
8) Nitrobenzene-d5	9.020	82	834	0.029	ng	-0.06
11) 2-Methylnaphthalene-d10	12.268	152	1946	0.042	ng	-0.04
14) 2,4,6-Tribromophenol	16.045	330	74	0.003	ng	-0.01
15) 2-Fluorobiphenyl	13.165	172	210	0.001	ng	-0.01
27) Fluoranthene-d10	19.325	212	1566	0.011	ng	0.00
31) Terphenyl-d14	19.911	244	3624	0.039	ng	-0.01
Target Compounds						Qvalue
9) Naphthalene	10.761	128	31431	0.352	ng	# 95
12) 2-Methylnaphthalene	12.370	142	39092	0.634	ng	96
18) Fluorene	15.592	166	45521	0.287	ng	# 45
25) Phenanthrene	17.336	178	502879	3.092	ng	# 83
28) Fluoranthene	19.359	202	39589	0.210	ng	# 57
30) Pyrene	19.739	202	30628m	0.186	ng	

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

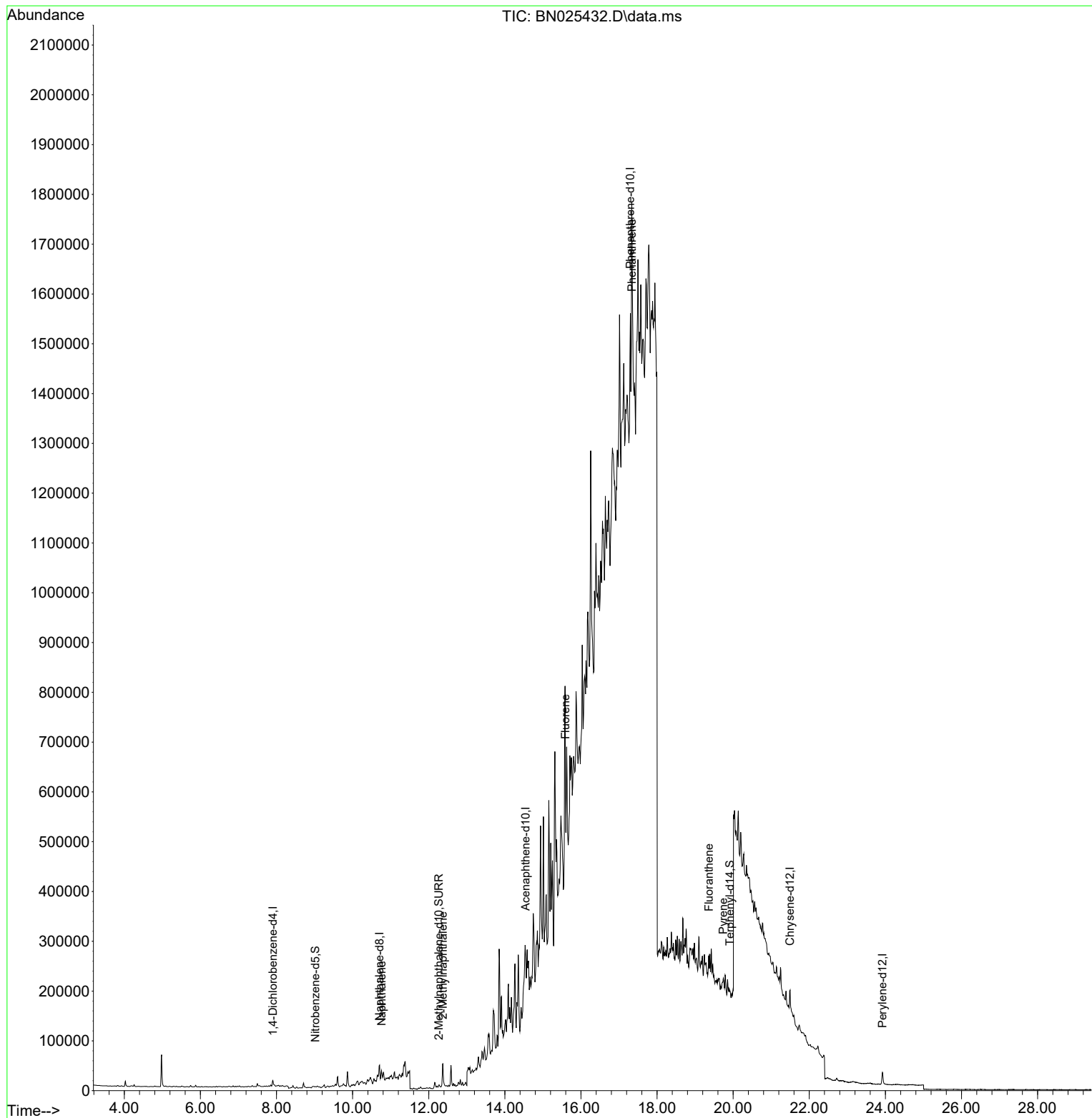
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Data File : BN025432.D
Acq On : 12 May 2023 12:30
Operator : CG/JU
Sample : 02722-02DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

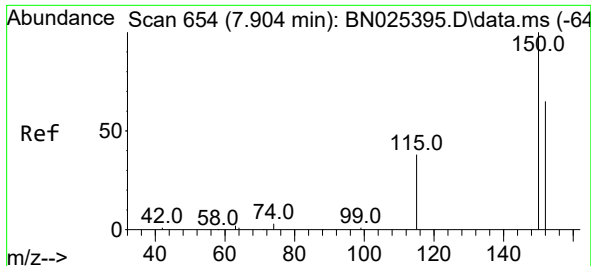
Instrument :
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ClientSampleId :
CO-72533DL

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Quant Time: May 12 18:13:40 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 12 00:57:16 2023
Response via : Initial Calibration





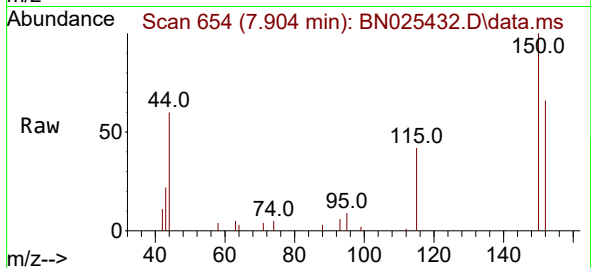
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.904 min Scan# 654
Delta R.T. -0.000 min
Lab File: BN025432.D
Acq: 12 May 2023 12:30

Instrument :

BNA_N

ClientSampleId :

CO-72533DL

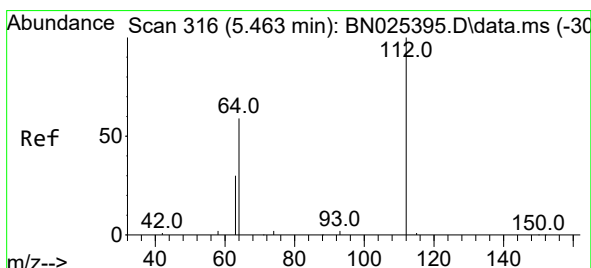
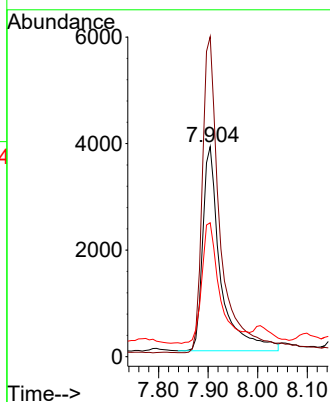
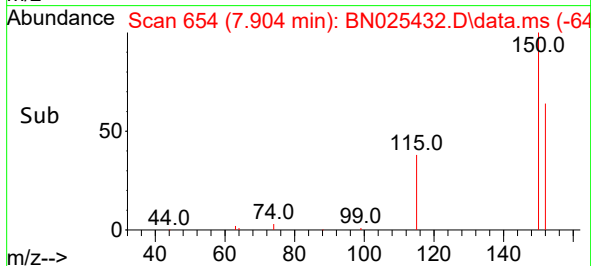


Tgt Ion:152 Resp: 961
Ion Ratio Lower Upper
152 100
150 152.4 121.4 182.2
115 63.8 50.6 76.0

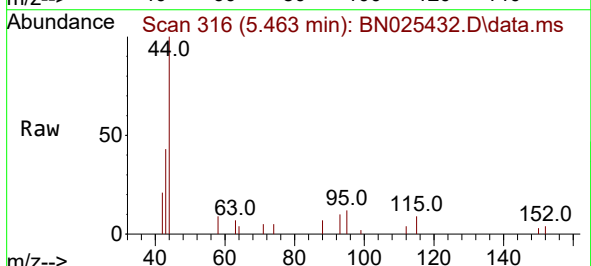
Manual Integrations

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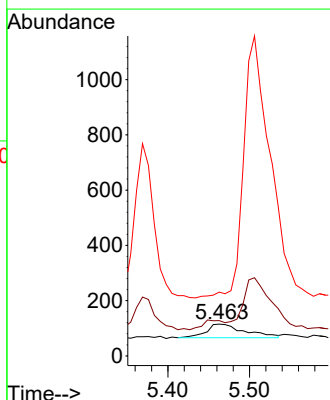
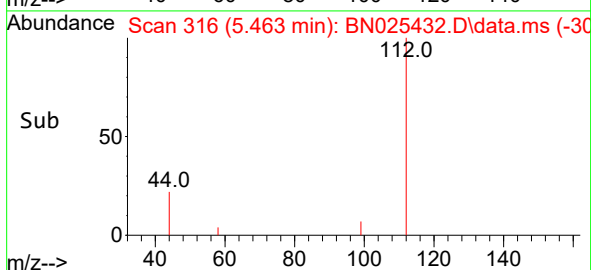
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Jagrut Upadhyay 05/15/2023

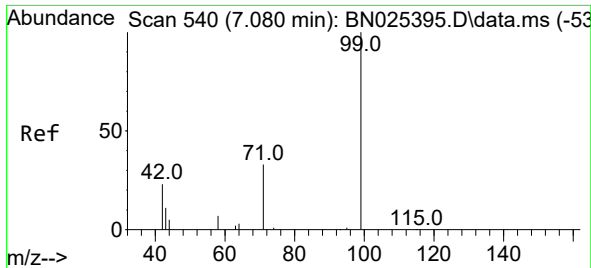


#4
2-Fluorophenol
Concen: 0.007 ng
RT: 5.463 min Scan# 316
Delta R.T. 0.000 min
Lab File: BN025432.D
Acq: 12 May 2023 12:30



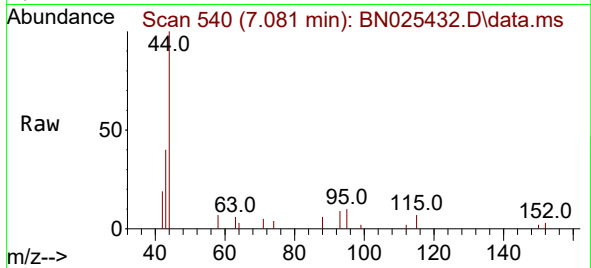
Tgt Ion:112 Resp: 161
Ion Ratio Lower Upper
112 100
64 38.5 51.9 77.9#
63 0.0 27.4 41.2#





#5
Phenol-d6
Concen: 0.000 ng
RT: 7.081 min Scan# 540
Delta R.T. 0.000 min
Lab File: BN025432.D
Acq: 12 May 2023 12:30

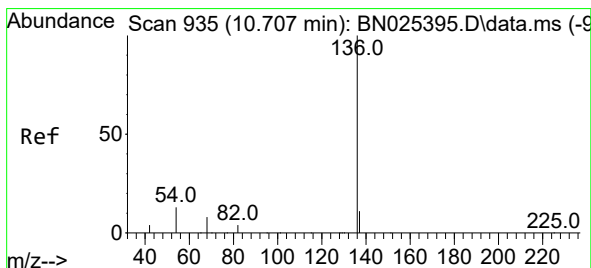
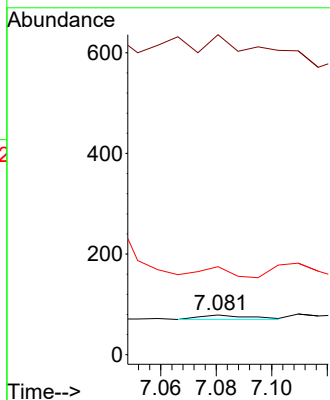
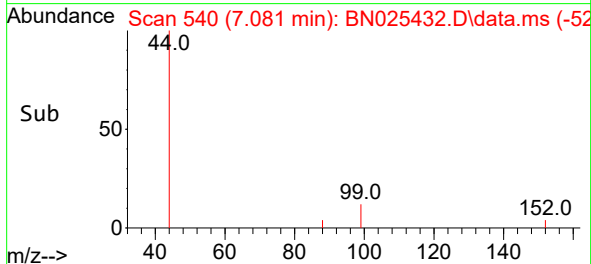
Instrument :
BNA_N
ClientSampleId :
CO-72533DL



Tgt Ion: 99 Resp: 11500
Ion Ratio Lower Upper
99 100
42 127.3 23.5 35.3#
71 0.0 28.1 42.1#

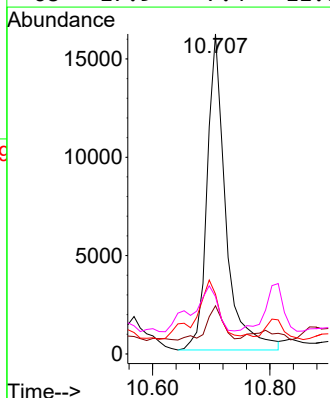
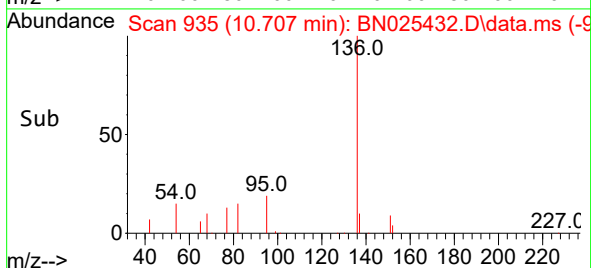
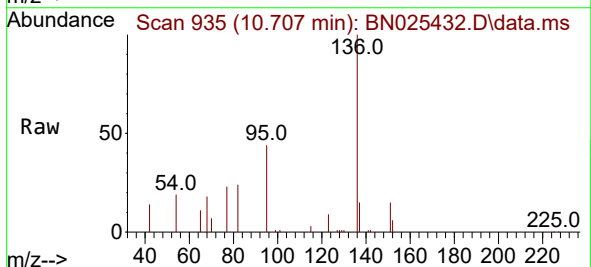
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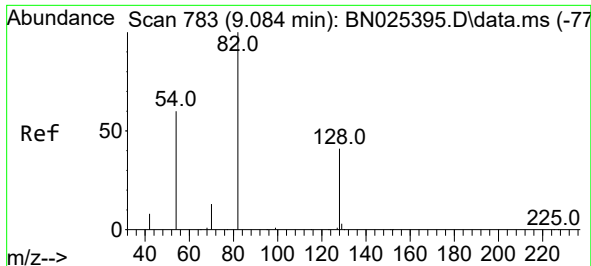
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.707 min Scan# 935
Delta R.T. 0.000 min
Lab File: BN025432.D
Acq: 12 May 2023 12:30

Tgt Ion:136 Resp: 35402
Ion Ratio Lower Upper
136 100
137 15.1 9.1 13.7#
54 18.7 11.2 16.8#
68 17.9 7.4 11.0#





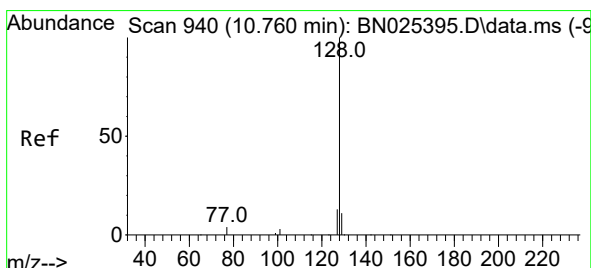
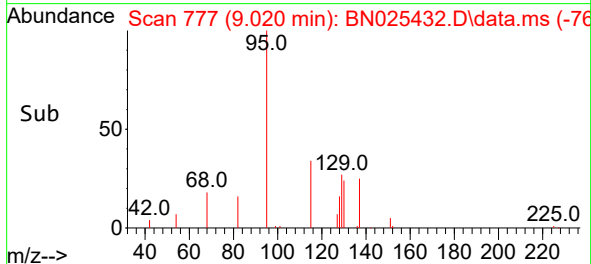
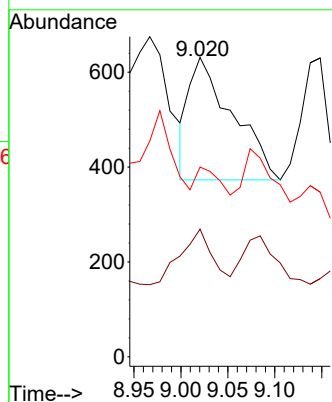
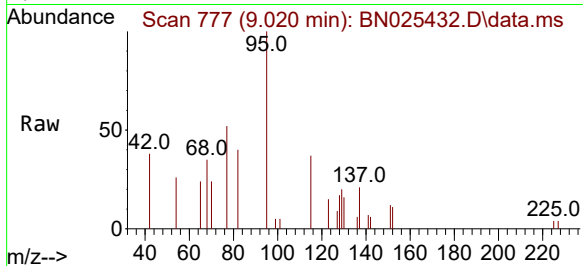
#8
Nitrobenzene-d5
Concen: 0.029 ng
RT: 9.020 min Scan# 71
Delta R.T. -0.064 min
Lab File: BN025432.D
Acq: 12 May 2023 12:30

Instrument :
BNA_N
ClientSampleId :
CO-72533DL

Tgt Ion: 82 Resp: 834
Ion Ratio Lower Upper
82 100
128 42.6 35.8 53.8
54 63.4 50.4 75.6

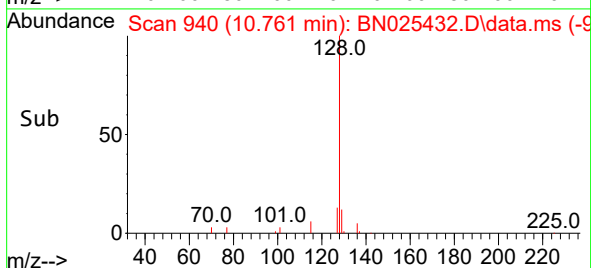
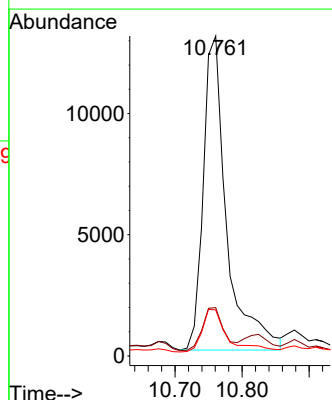
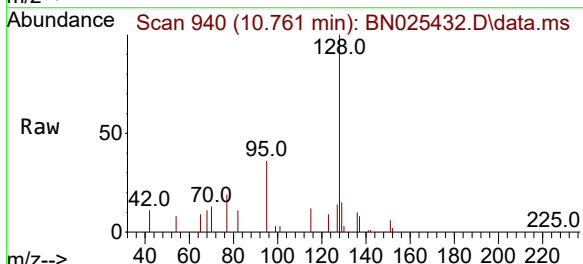
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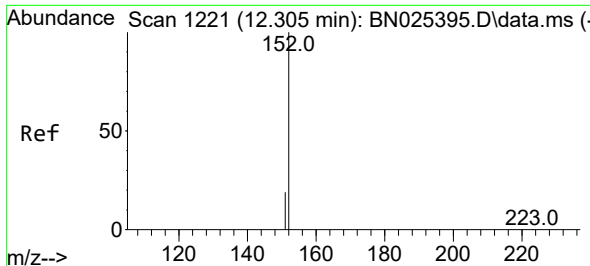
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#9
Naphthalene
Concen: 0.352 ng
RT: 10.761 min Scan# 940
Delta R.T. 0.000 min
Lab File: BN025432.D
Acq: 12 May 2023 12:30

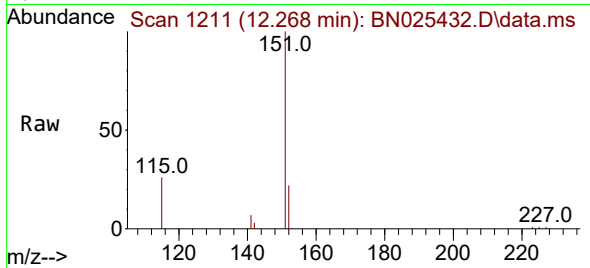
Tgt Ion:128 Resp: 31431
Ion Ratio Lower Upper
128 100
129 15.1 9.3 13.9#
127 14.4 10.8 16.2





#11
2-Methylnaphthalene-d10
Concen: 0.042 ng
RT: 12.268 min Scan# 11
Delta R.T. -0.037 min
Lab File: BN025432.D
Acq: 12 May 2023 12:30

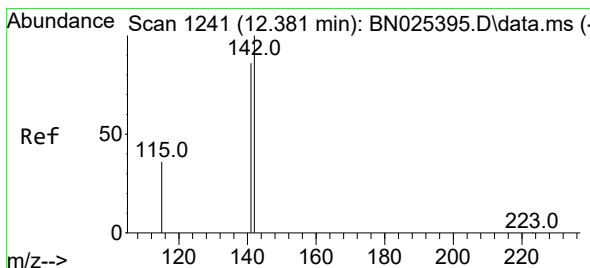
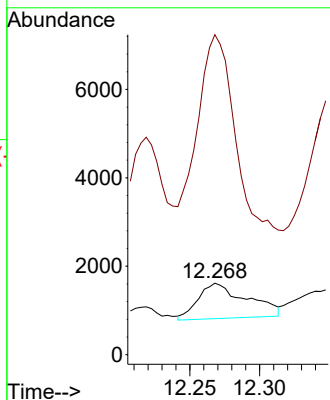
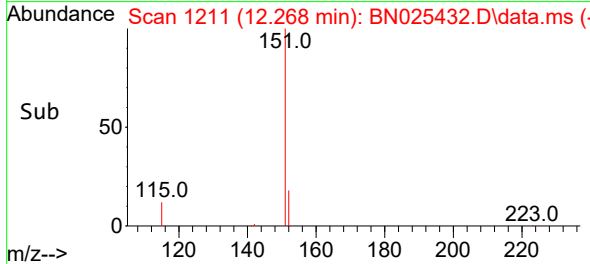
Instrument :
BNA_N
ClientSampleId :
CO-72533DL



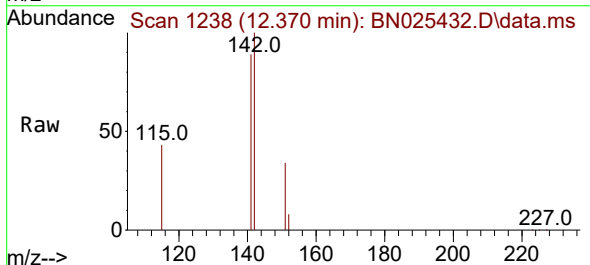
Tgt Ion:152 Resp: 1940
Ion Ratio Lower Upper
152 100
151 442.4 16.1 24.1

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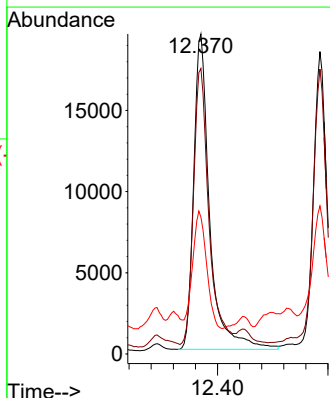
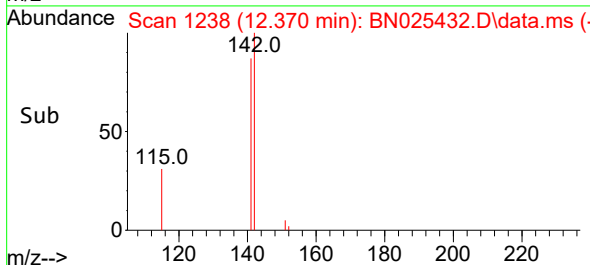
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Jagrut Upadhyay 05/15/2023

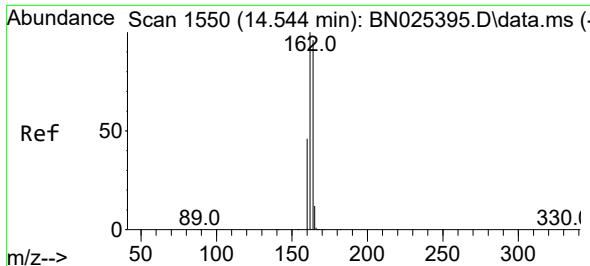


#12
2-Methylnaphthalene
Concen: 0.634 ng
RT: 12.370 min Scan# 1238
Delta R.T. -0.011 min
Lab File: BN025432.D
Acq: 12 May 2023 12:30



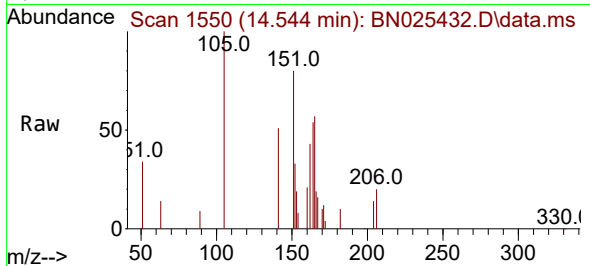
Tgt Ion:142 Resp: 39092
Ion Ratio Lower Upper
142 100
141 89.2 69.3 103.9
115 42.7 30.2 45.4





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.544 min Scan# 1550
Delta R.T. 0.000 min
Lab File: BN025432.D
Acq: 12 May 2023 12:30

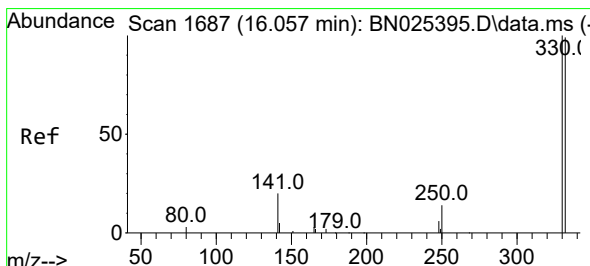
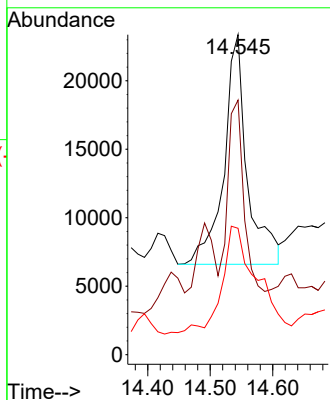
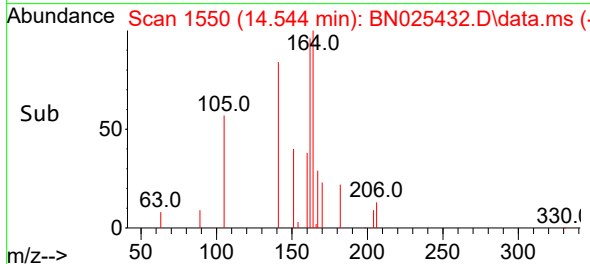
Instrument :
BNA_N
ClientSampleId :
CO-72533DL



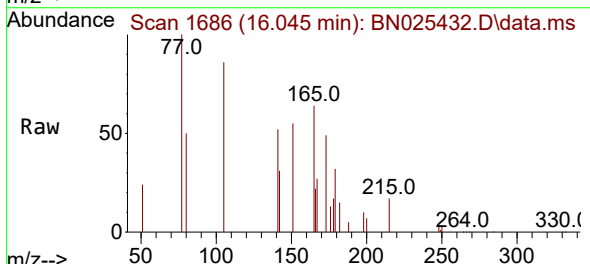
Tgt Ion:164 Resp: 43590
Ion Ratio Lower Upper
164 100
162 79.5 83.2 124.8
160 39.5 38.8 58.2

Manual Integrations
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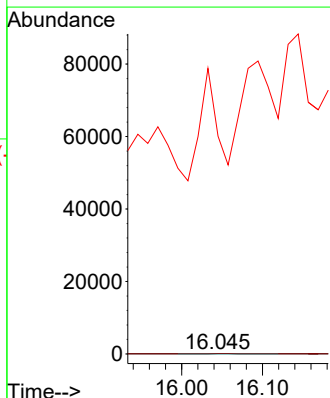
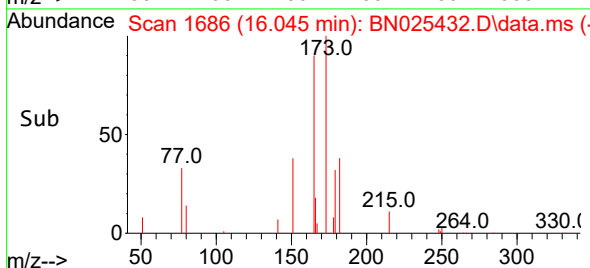
Reviewed By :Christian Giraldo 05/15/2023
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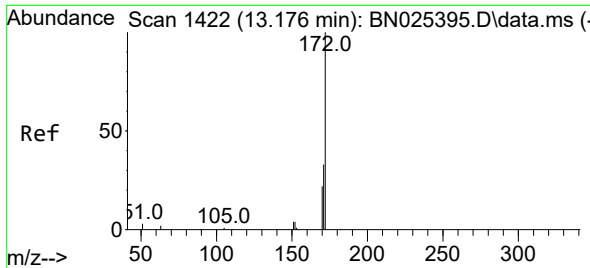


#14
2,4,6-Tribromophenol
Concen: 0.003 ng
RT: 16.045 min Scan# 1686
Delta R.T. -0.012 min
Lab File: BN025432.D
Acq: 12 May 2023 12:30



Tgt Ion:330 Resp: 74
Ion Ratio Lower Upper
330 100
332 104.1 78.0 117.0
141 60385.1 30.2 45.2#





#15
2-Fluorobiphenyl
Concen: 0.001 ng
RT: 13.165 min Scan# 1422
Delta R.T. -0.010 min
Lab File: BN025432.D
Acq: 12 May 2023 12:30

Instrument :

BNA_N

ClientSampleId :

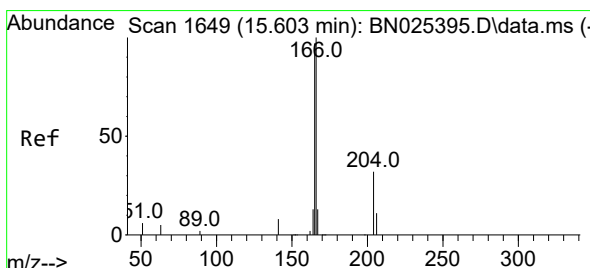
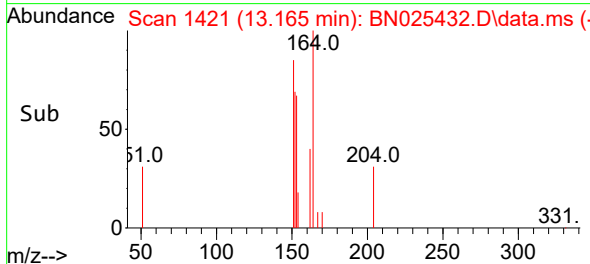
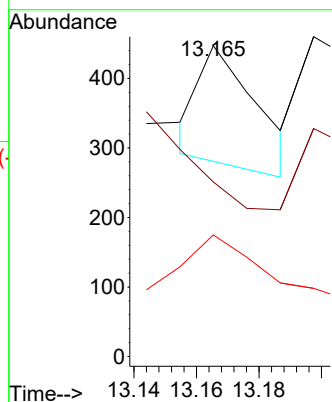
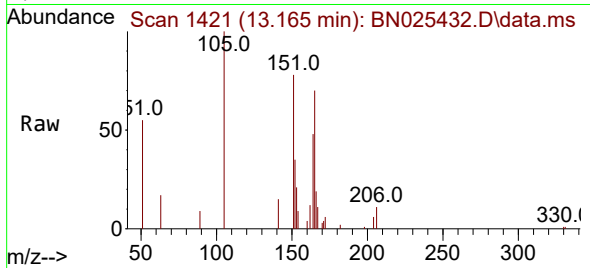
CO-72533DL

Tgt Ion:172 Resp: 210
Ion Ratio Lower Upper
172 100
171 56.2 26.7 40.1#
170 39.1 17.8 26.8#

Manual Integrations

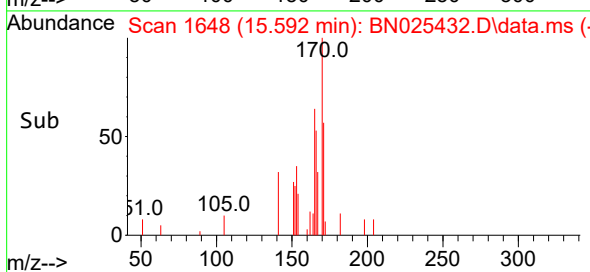
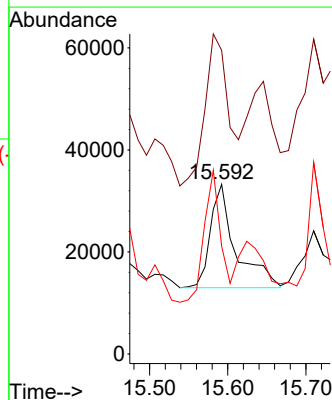
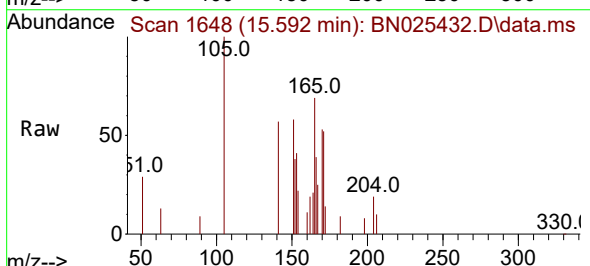
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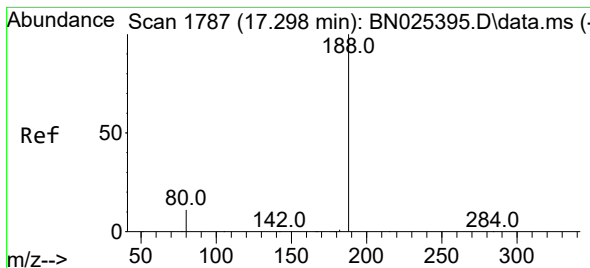
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#18
Fluorene
Concen: 0.287 ng
RT: 15.592 min Scan# 1648
Delta R.T. -0.010 min
Lab File: BN025432.D
Acq: 12 May 2023 12:30

Tgt Ion:166 Resp: 45521
Ion Ratio Lower Upper
166 100
165 136.9 78.7 118.1#
167 83.6 10.7 16.1#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.299 min Scan# 1787

Delta R.T. 0.000 min

Lab File: BN025432.D

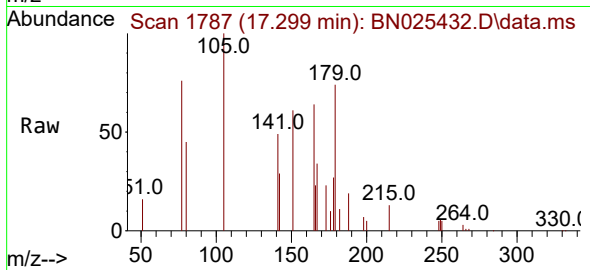
Acq: 12 May 2023 12:30

Instrument :

BNA_N

ClientSampleId :

CO-72533DL



Tgt Ion:188 Resp: 60090

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

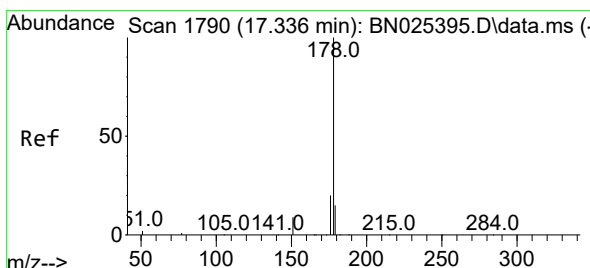
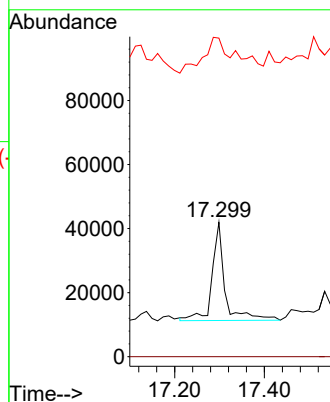
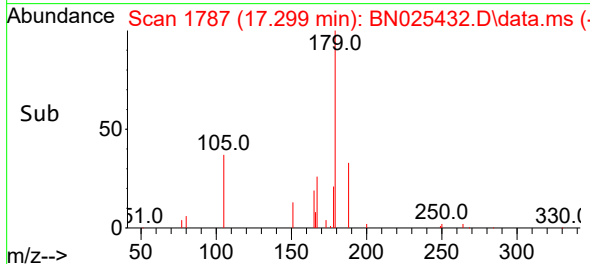
80 236.9 9.4 14.2

Manual Integrations

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Reviewed By :Christian Giraldo 05/15/2023

Supervised By :Jagrut Upadhyay 05/15/2023



#25

Phenanthrene

Concen: 3.092 ng

RT: 17.336 min Scan# 1790

Delta R.T. 0.000 min

Lab File: BN025432.D

Acq: 12 May 2023 12:30

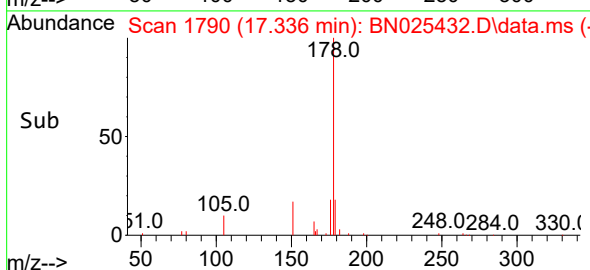
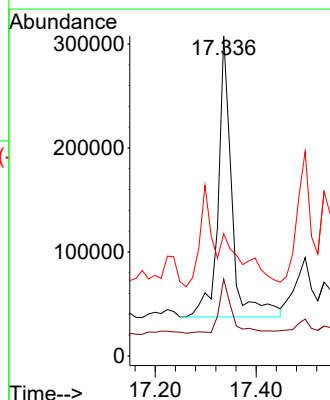
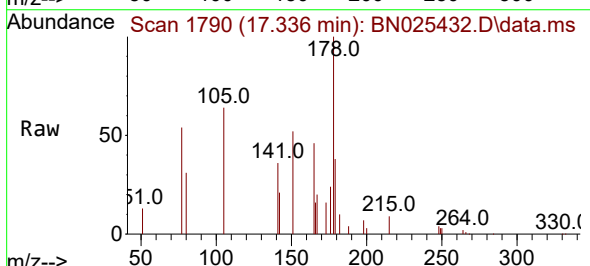
Tgt Ion:178 Resp: 502879

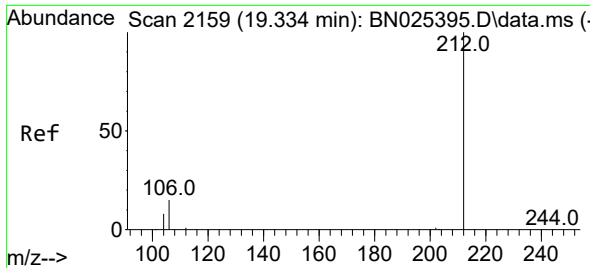
Ion Ratio Lower Upper

178 100

176 18.7 15.3 22.9

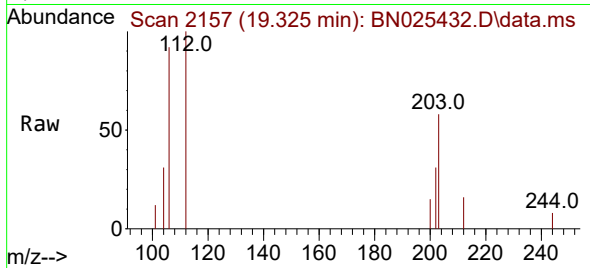
179 0.0 12.1 18.1





#27
Fluoranthene-d10
Concen: 0.011 ng
RT: 19.325 min Scan# 2156
Delta R.T. -0.008 min
Lab File: BN025432.D
Acq: 12 May 2023 12:30

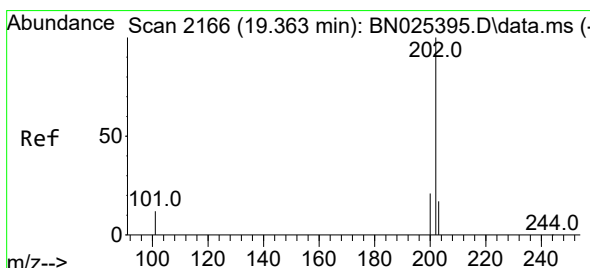
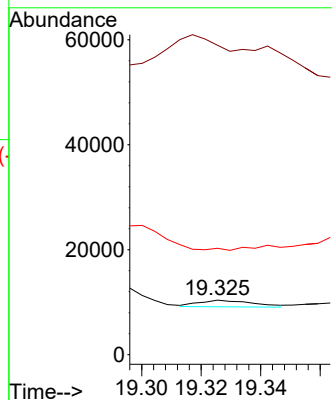
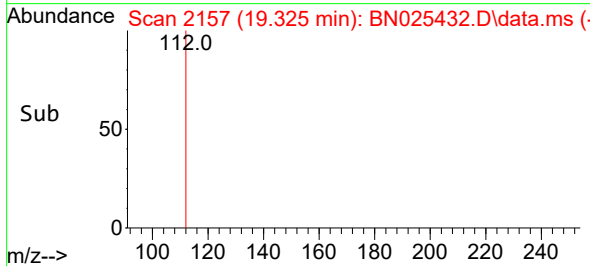
Instrument :
BNA_N
ClientSampleId :
CO-72533DL



Tgt Ion:212 Resp: 1560
Ion Ratio Lower Upper
212 100
106 474.9 12.6 19.0#
104 0.0 7.0 10.4#

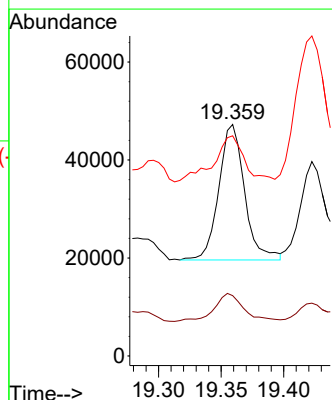
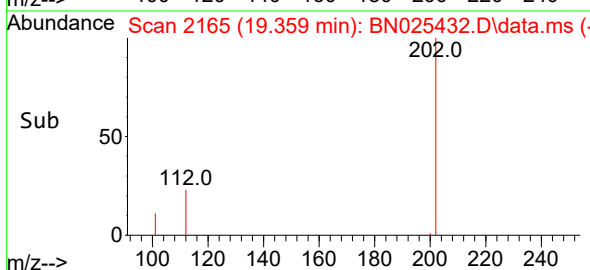
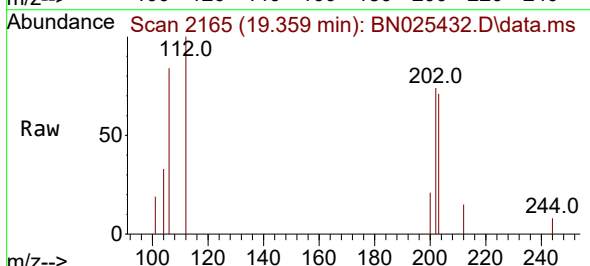
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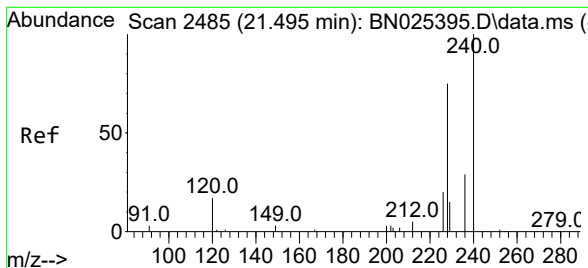
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#28
Fluoranthene
Concen: 0.210 ng
RT: 19.359 min Scan# 2165
Delta R.T. -0.004 min
Lab File: BN025432.D
Acq: 12 May 2023 12:30

Tgt Ion:202 Resp: 39589
Ion Ratio Lower Upper
202 100
101 23.5 9.8 14.8#
203 40.7 13.8 20.6#





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.495 min Scan# 2485

Delta R.T. 0.000 min

Lab File: BN025432.D

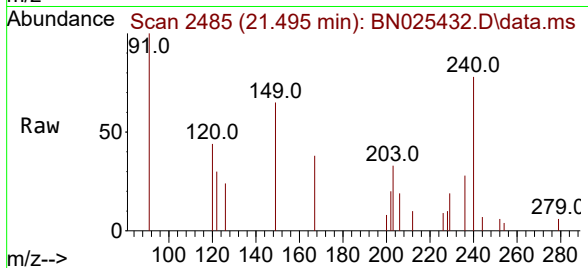
Acq: 12 May 2023 12:30

Instrument :

BNA_N

ClientSampleId :

CO-72533DL



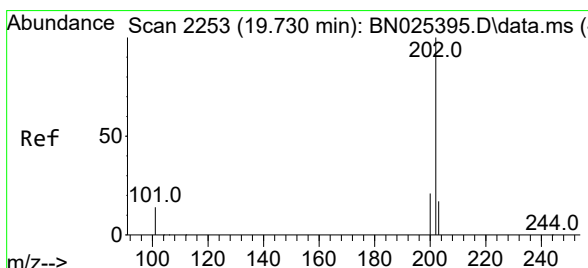
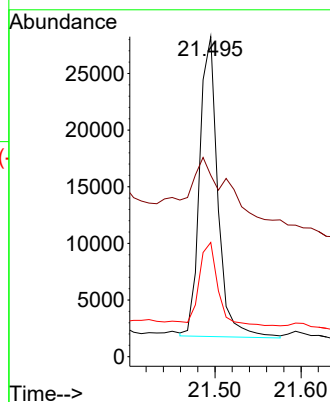
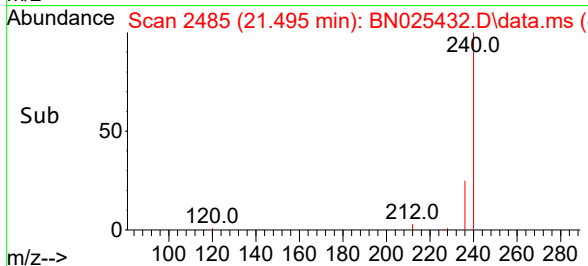
Tgt Ion:240 Resp: 39012

Ion	Ratio	Lower	Upper
240	100		
120	56.7	19.0	28.6
236	35.7	25.0	37.6

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Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#30

Pyrene

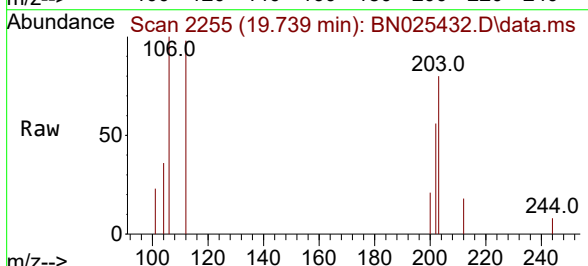
Concen: 0.186 ng m

RT: 19.739 min Scan# 2255

Delta R.T. 0.009 min

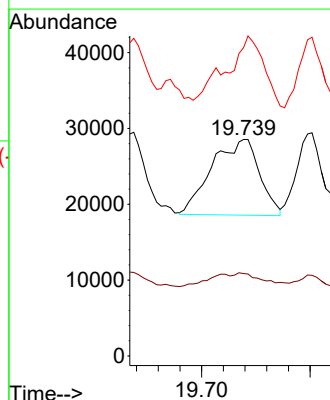
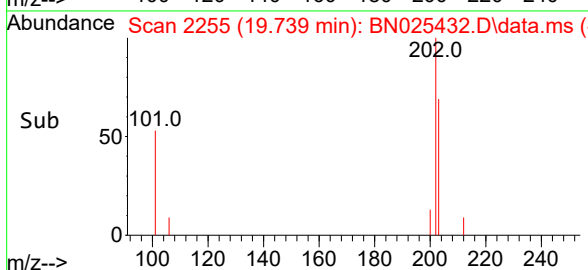
Lab File: BN025432.D

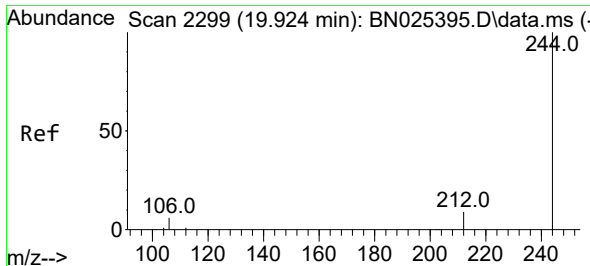
Acq: 12 May 2023 12:30



Tgt Ion:202 Resp: 30628

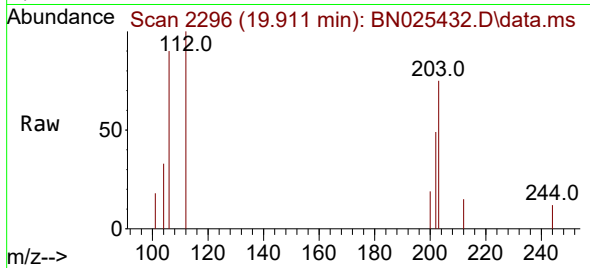
Ion	Ratio	Lower	Upper
202	100		
200	0.0	16.8	25.2
203	51.3	14.4	21.6





#31
 Terphenyl-d14
 Concen: 0.039 ng
 RT: 19.911 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BN025432.D
 Acq: 12 May 2023 12:30

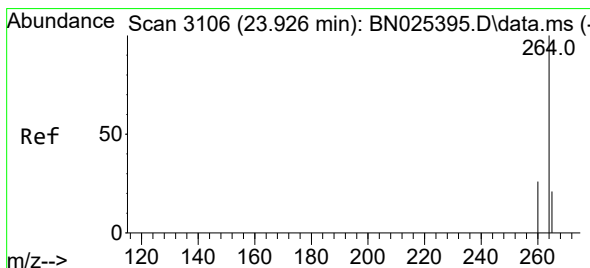
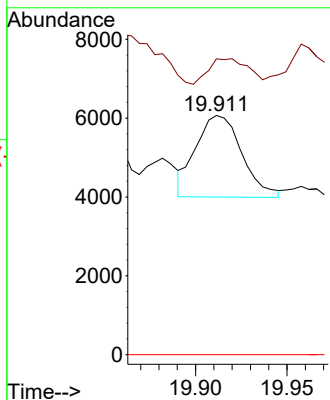
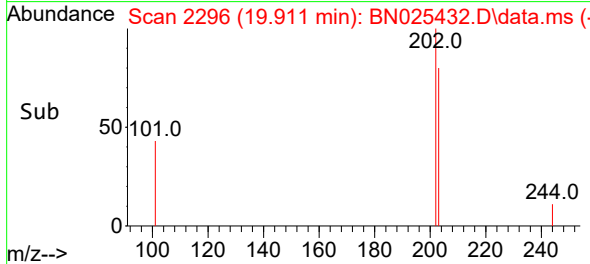
Instrument :
 BNA_N
 ClientSampleId :
 CO-72533DL



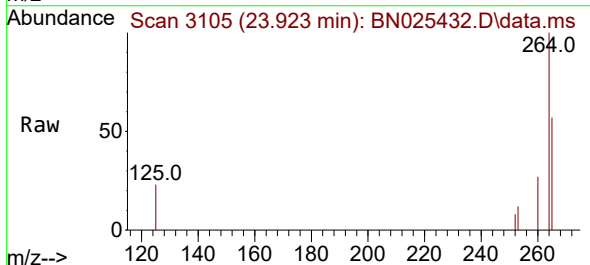
Tgt Ion:244 Resp: 3624
 Ion Ratio Lower Upper
 244 100
 212 123.7 7.5 11.3
 122 0.0 0.0 0.0

Manual Integrations
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Reviewed By :Christian Giraldo 05/15/2023
 Supervised By :Jagrut Upadhyay 05/15/2023



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.923 min Scan# 3105
 Delta R.T. -0.003 min
 Lab File: BN025432.D
 Acq: 12 May 2023 12:30



Tgt Ion:264 Resp: 35040
 Ion Ratio Lower Upper
 264 100
 260 27.0 23.5 35.3
 265 56.8 50.9 76.3

