

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051723\
 Data File : BN025467.D
 Acq On : 17 May 2023 23:28
 Operator : CG/JU
 Sample : 02816-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CB-22-K2-SO-11-051623

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/18/2023
 Supervised By : Jagrut Upadhyay 05/18/2023

Quant Time: May 18 03:42:33 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 03:36:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.084	152	5122	0.400	ng	0.00
7) Naphthalene-d8	10.910	136	15262	0.400	ng	# 0.00
13) Acenaphthene-d10	14.715	164	9050	0.400	ng	0.00
19) Phenanthrene-d10	17.460	188	20811	0.400	ng	# 0.00
29) Chrysene-d12	21.643	240	17823	0.400	ng	# 0.00
35) Perylene-d12	24.179	264	17804	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.622	112	3172	0.288	ng	0.00
5) Phenol-d6	7.225	99	4463	0.302	ng	0.00
8) Nitrobenzene-d5	9.244	82	2734	0.262	ng	0.00
11) 2-Methylnaphthalene-d10	12.483	152	5120	0.240	ng	0.00
14) 2,4,6-Tribromophenol	16.194	330	877	0.286	ng	0.00
15) 2-Fluorobiphenyl	13.347	172	7787	0.235	ng	0.00
27) Fluoranthene-d10	19.477	212	11982	0.242	ng	0.00
31) Terphenyl-d14	20.067	244	8315	0.257	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.462	88	1229	0.256	ng	# 91
25) Phenanthrene	17.497	178	6491	0.111	ng	98
28) Fluoranthene	19.507	202	19573	0.282	ng	# 98
30) Pyrene	19.869	202	16256	0.239	ng	97
32) Benzo(a)anthracene	21.625	228	5859	0.094	ng	95
33) Chrysene	21.679	228	8591	0.138	ng	96
34) Bis(2-ethylhexyl)phtha...	21.545	149	5682	0.155	ng	100
36) Indeno(1,2,3-cd)pyrene	26.834	276	5750	0.080	ng	95
37) Benzo(b)fluoranthene	23.398	252	13271	0.213	ng	# 88
38) Benzo(k)fluoranthene	23.448	252	4604m	0.072	ng	
39) Benzo(a)pyrene	24.056	252	6674	0.112	ng	# 79
41) Benzo(g,h,i)perylene	27.649	276	6135	0.101	ng	# 88

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

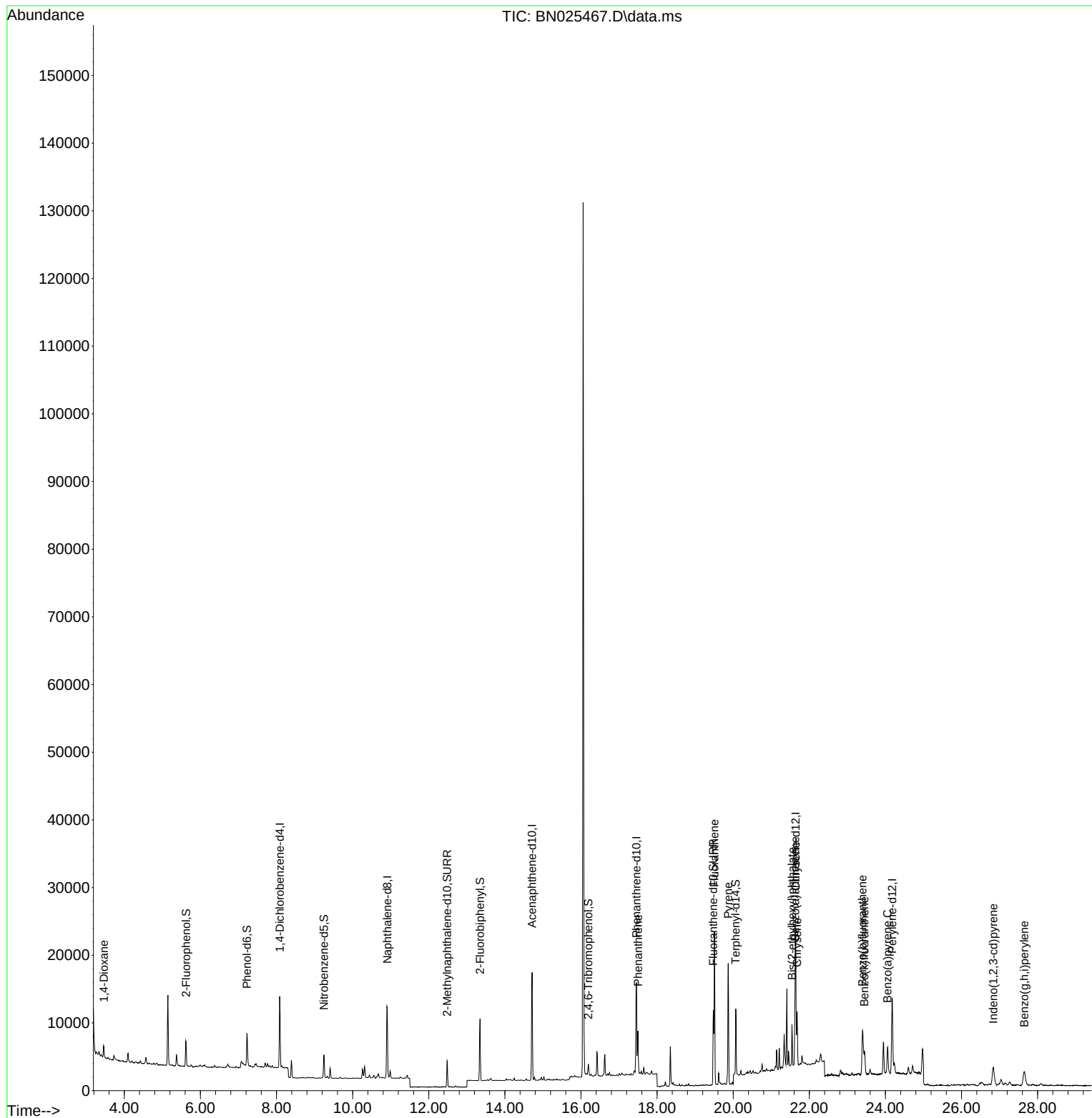
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051723\
Data File : BN025467.D
Acq On : 17 May 2023 23:28
Operator : CG/JU
Sample : 02816-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

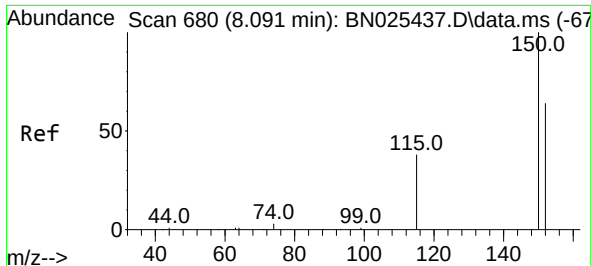
Instrument :
BNA_N
ClientSampleId :
CB-22-K2-SO-11-051623

Quant Time: May 18 03:42:33 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 18 03:36:39 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

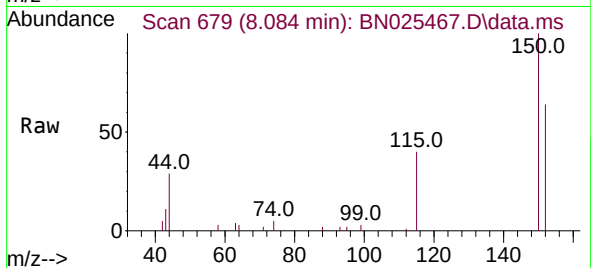
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023





#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.084 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: BN025467.D
 Acq: 17 May 2023 23:28

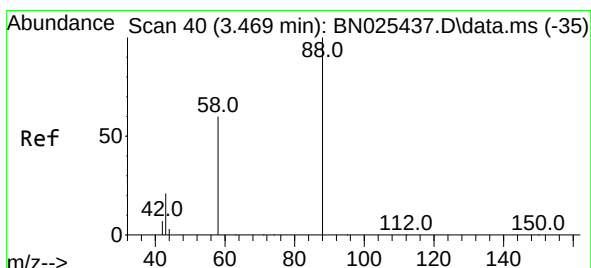
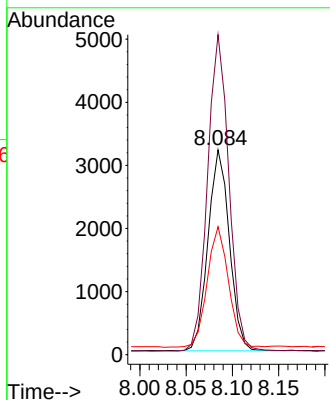
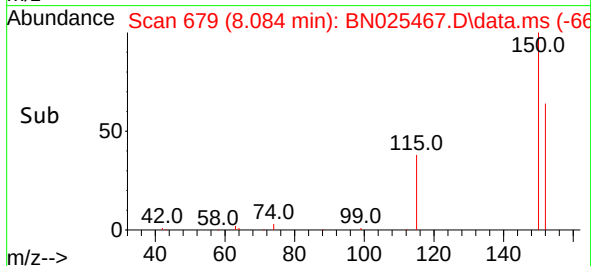
Instrument :
 BNA_N
 ClientSampleId :
 CB-22-K2-SO-11-051623



Tgt Ion: 152 Resp: 512
 Ion Ratio Lower Upper
 152 100
 150 156.3 123.7 185.5
 115 62.5 50.0 75.0

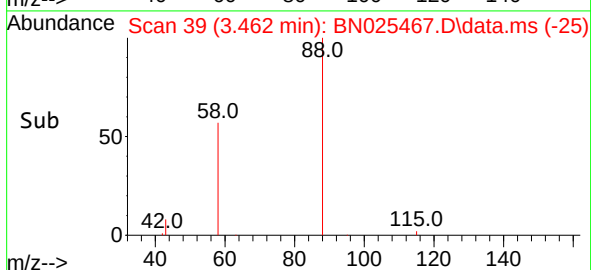
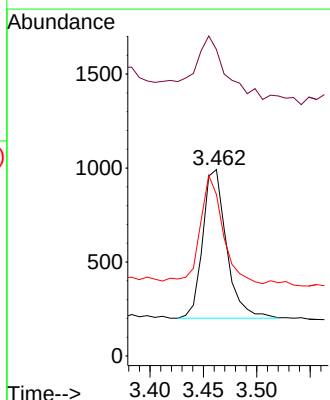
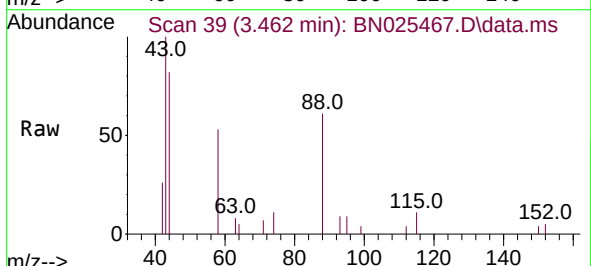
Manual Integrations
 APPROVED

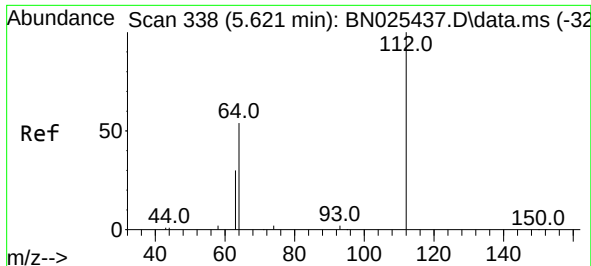
Reviewed By : Christian Giraldo 05/18/2023
 Supervised By : Jagrut Upadhyay 05/18/2023



#2
 1,4-Dioxane
 Concen: 0.256 ng
 RT: 3.462 min Scan# 39
 Delta R.T. 0.000 min
 Lab File: BN025467.D
 Acq: 17 May 2023 23:28

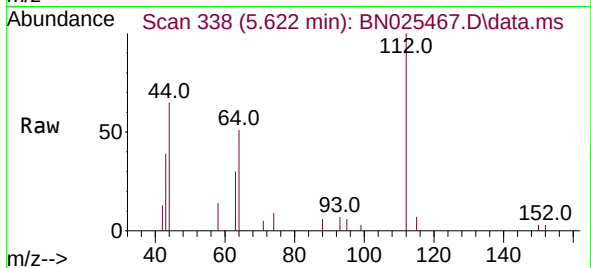
Tgt Ion: 88 Resp: 1229
 Ion Ratio Lower Upper
 88 100
 43 46.7 25.1 37.7#
 58 70.4 55.5 83.3





#4
2-Fluorophenol
Concen: 0.288 ng
RT: 5.622 min Scan# 317
Delta R.T. 0.007 min
Lab File: BN025467.D
Acq: 17 May 2023 23:28

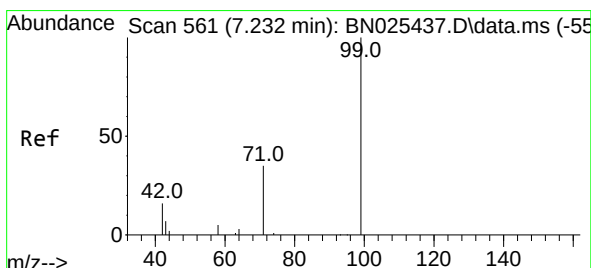
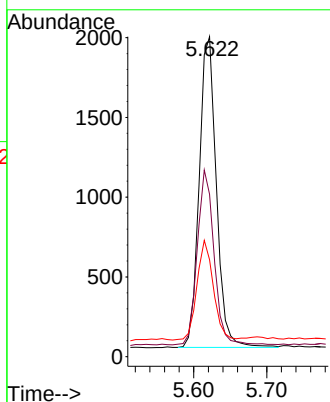
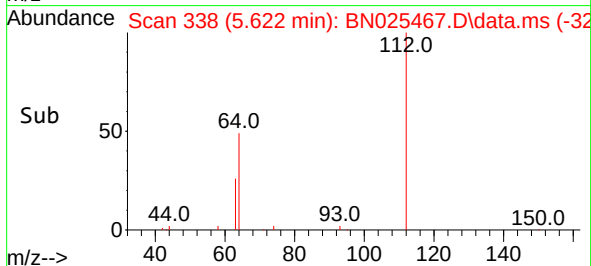
Instrument :
BNA_N
ClientSampleId :
CB-22-K2-SO-11-051623



Tgt Ion:112 Resp: 3172
Ion Ratio Lower Upper
112 100
64 55.1 43.9 65.9
63 30.6 25.0 37.4

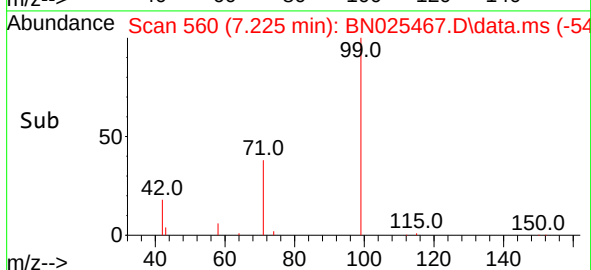
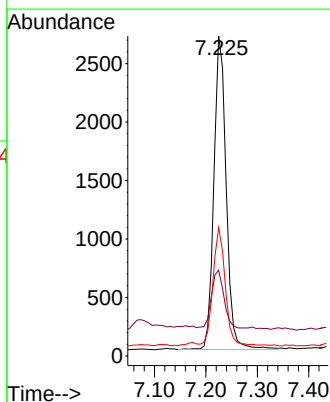
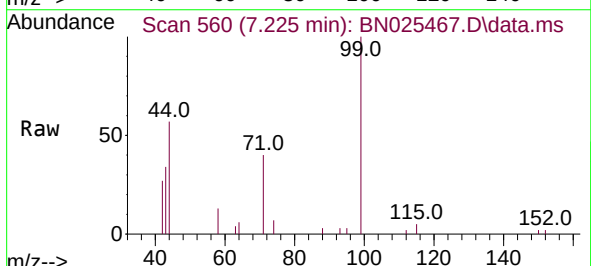
Manual Integrations
APPROVED

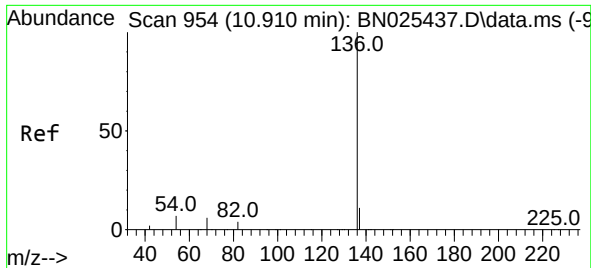
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#5
Phenol-d6
Concen: 0.302 ng
RT: 7.225 min Scan# 560
Delta R.T. 0.000 min
Lab File: BN025467.D
Acq: 17 May 2023 23:28

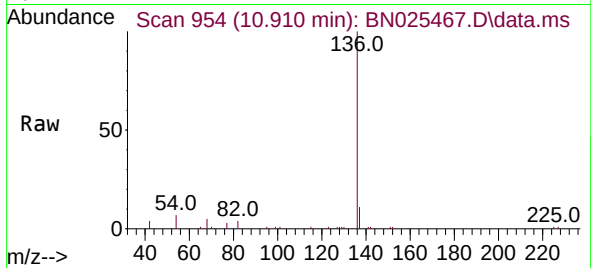
Tgt Ion: 99 Resp: 4463
Ion Ratio Lower Upper
99 100
42 18.3 16.4 24.6
71 38.2 29.4 44.0





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.910 min Scan# 910
Delta R.T. 0.000 min
Lab File: BN025467.D
Acq: 17 May 2023 23:28

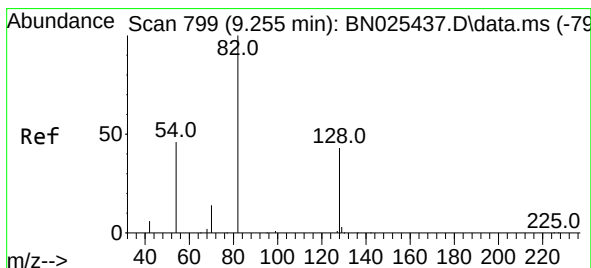
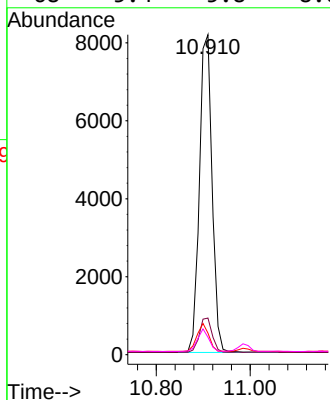
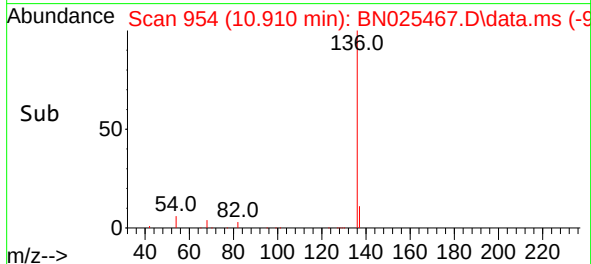
Instrument :
BNA_N
ClientSampleId :
CB-22-K2-SO-11-051623



Tgt Ion:136 Resp: 1526
Ion Ratio Lower Upper
136 100
137 11.4 9.4 14.0
54 6.7 7.0 10.4
68 5.4 5.8 8.6#

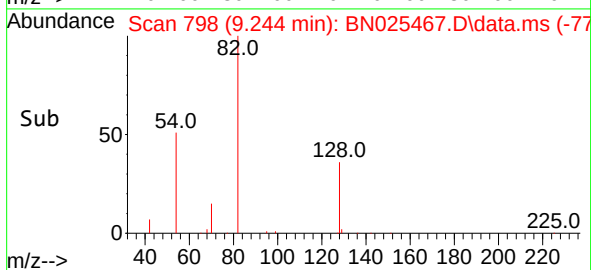
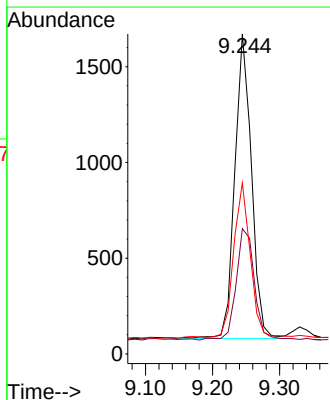
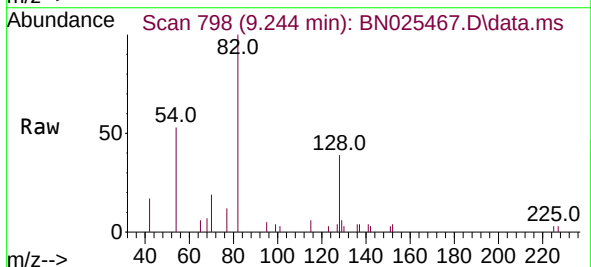
Manual Integrations
APPROVED

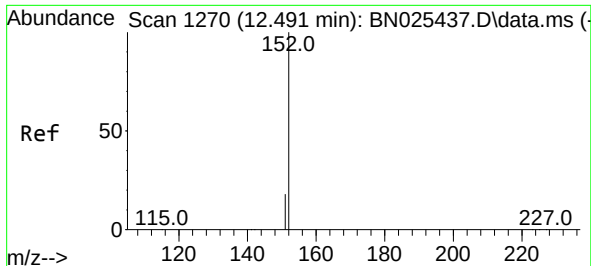
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#8
Nitrobenzene-d5
Concen: 0.262 ng
RT: 9.244 min Scan# 798
Delta R.T. 0.000 min
Lab File: BN025467.D
Acq: 17 May 2023 23:28

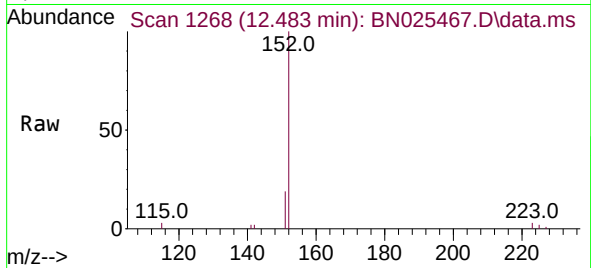
Tgt Ion: 82 Resp: 2734
Ion Ratio Lower Upper
82 100
128 39.1 35.7 53.5
54 53.4 38.6 57.8





#11
2-Methylnaphthalene-d10
Concen: 0.240 ng
RT: 12.483 min Scan# 1268
Delta R.T. -0.004 min
Lab File: BN025467.D
Acq: 17 May 2023 23:28

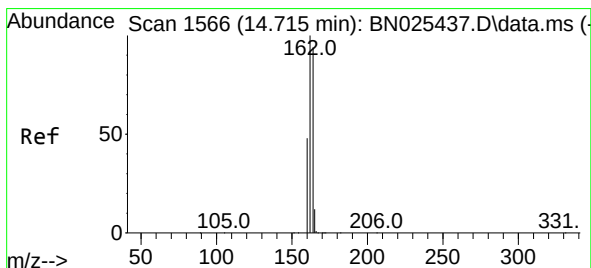
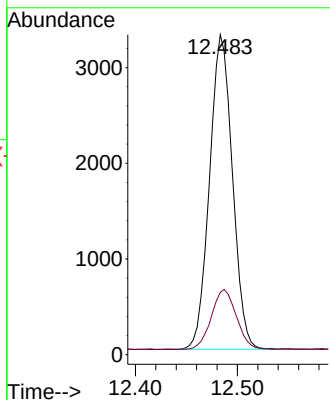
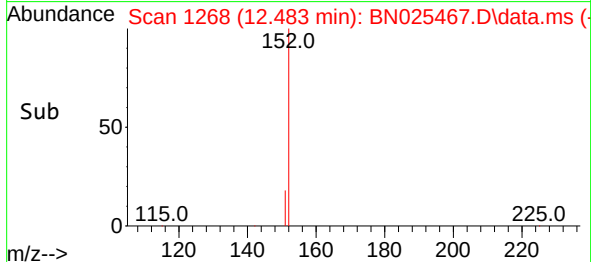
Instrument :
BNA_N
ClientSampleId :
CB-22-K2-SO-11-051623



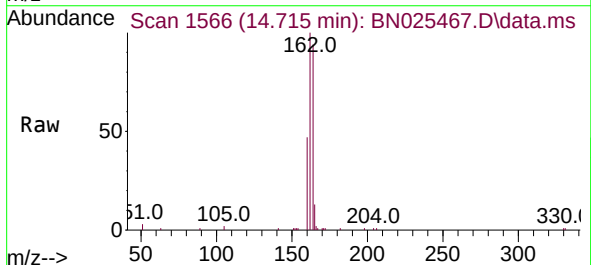
Tgt Ion:152 Resp: 5120
Ion Ratio Lower Upper
152 100
151 20.7 16.5 24.7

Manual Integrations
APPROVED

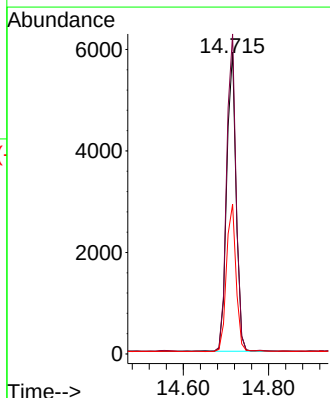
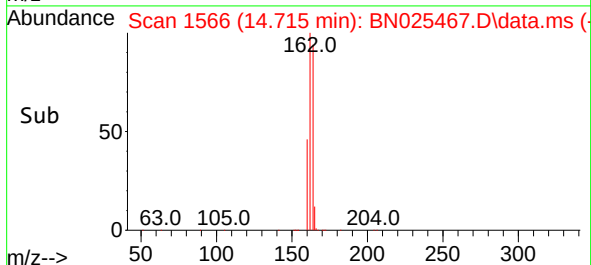
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

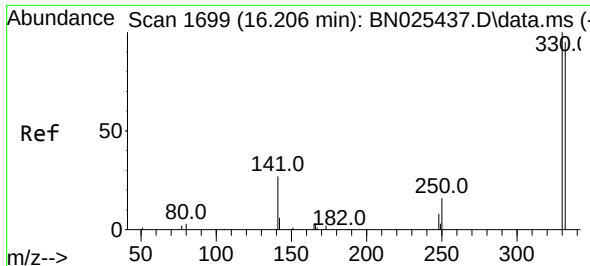


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.715 min Scan# 1566
Delta R.T. 0.000 min
Lab File: BN025467.D
Acq: 17 May 2023 23:28



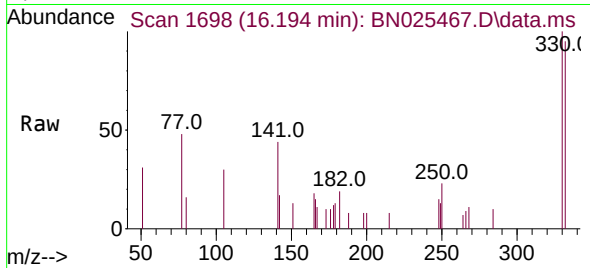
Tgt Ion:164 Resp: 9050
Ion Ratio Lower Upper
164 100
162 106.0 84.8 127.2
160 49.6 40.6 61.0





#14
2,4,6-Tribromophenol
Concen: 0.286 ng
RT: 16.194 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BN025467.D
Acq: 17 May 2023 23:28

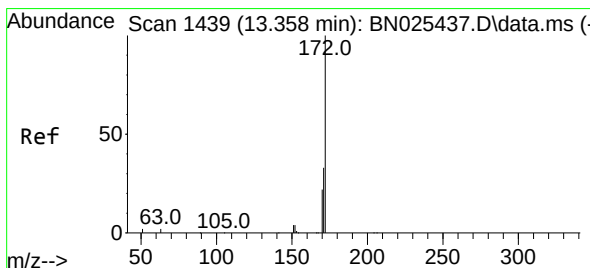
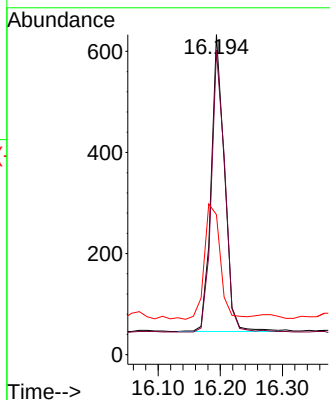
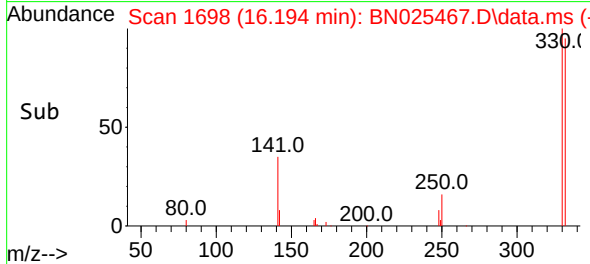
Instrument :
BNA_N
ClientSampleId :
CB-22-K2-SO-11-051623



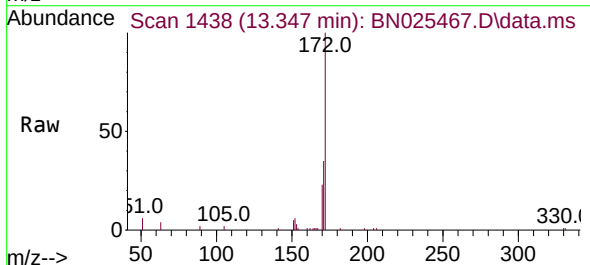
Tgt Ion:330 Resp: 877
Ion Ratio Lower Upper
330 100
332 96.0 75.5 113.3
141 46.4 35.3 52.9

Manual Integrations
APPROVED

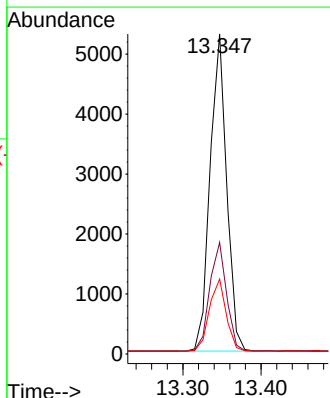
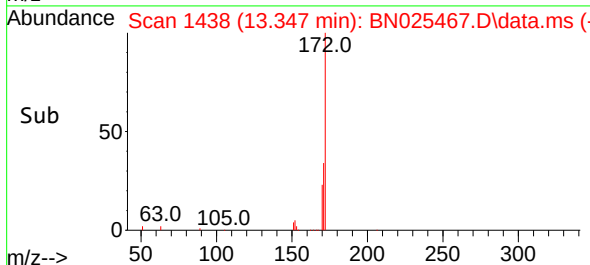
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

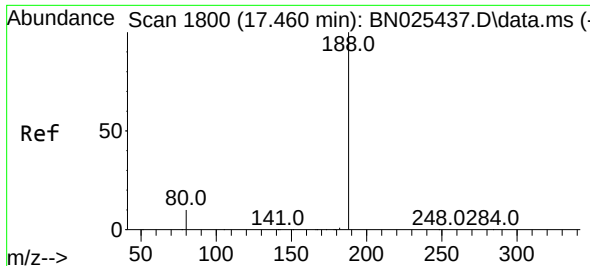


#15
2-Fluorobiphenyl
Concen: 0.235 ng
RT: 13.347 min Scan# 1438
Delta R.T. 0.000 min
Lab File: BN025467.D
Acq: 17 May 2023 23:28



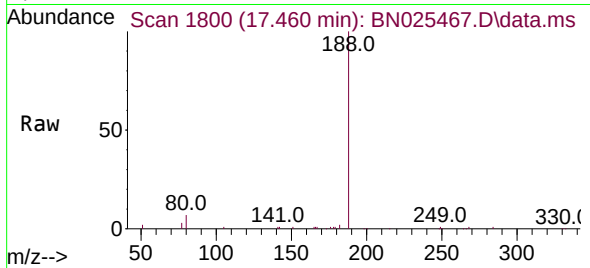
Tgt Ion:172 Resp: 7787
Ion Ratio Lower Upper
172 100
171 34.8 27.0 40.6
170 23.4 18.2 27.2





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.460 min Scan# 1800
Delta R.T. 0.000 min
Lab File: BN025467.D
Acq: 17 May 2023 23:28

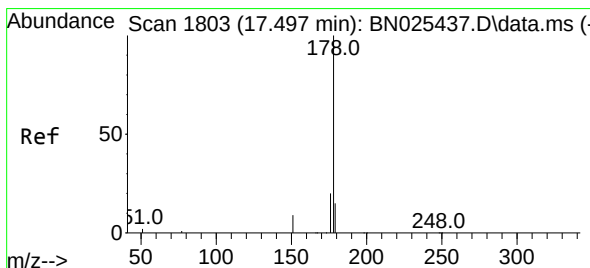
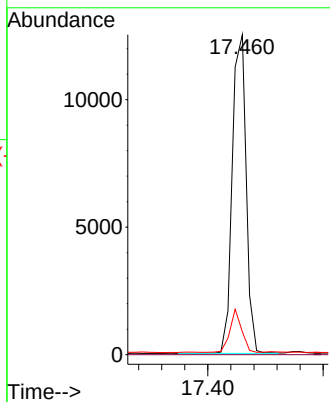
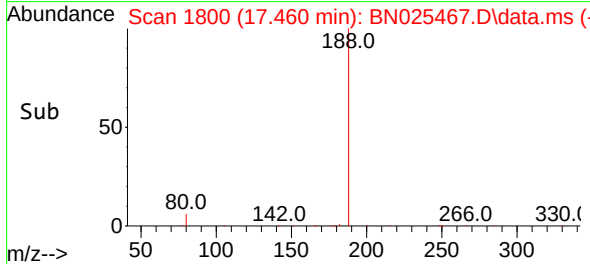
Instrument :
BNA_N
ClientSampleId :
CB-22-K2-SO-11-051623



Tgt Ion:188 Resp: 2081
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.2 8.7 13.1

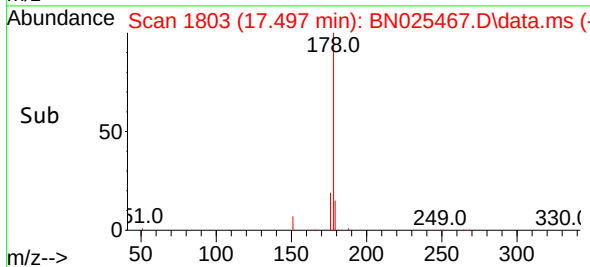
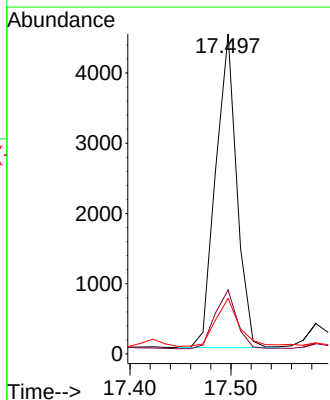
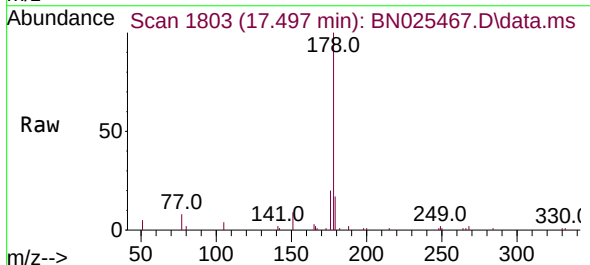
Manual Integrations
APPROVED

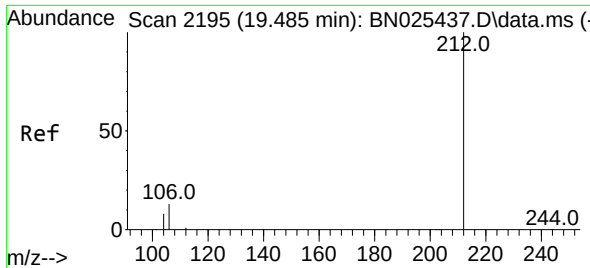
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#25
Phenanthrene
Concen: 0.111 ng
RT: 17.497 min Scan# 1803
Delta R.T. 0.000 min
Lab File: BN025467.D
Acq: 17 May 2023 23:28

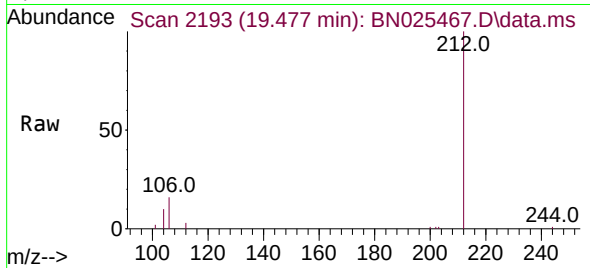
Tgt Ion:178 Resp: 6491
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 17.1 12.2 18.4





#27
Fluoranthene-d10
Concen: 0.242 ng
RT: 19.477 min Scan# 2198
Delta R.T. -0.004 min
Lab File: BN025467.D
Acq: 17 May 2023 23:28

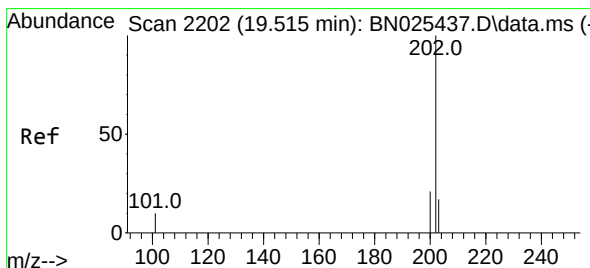
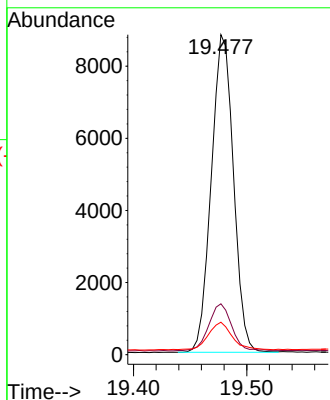
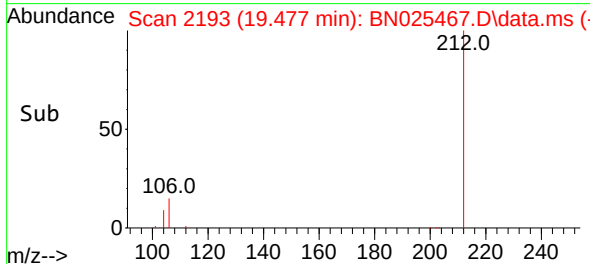
Instrument :
BNA_N
ClientSampleId :
CB-22-K2-SO-11-051623



Tgt Ion:212 Resp: 1198
Ion Ratio Lower Upper
212 100
106 15.4 11.1 16.7
104 9.2 6.6 10.0

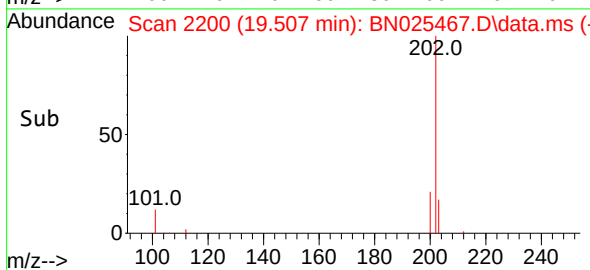
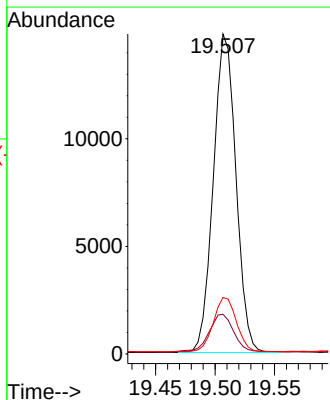
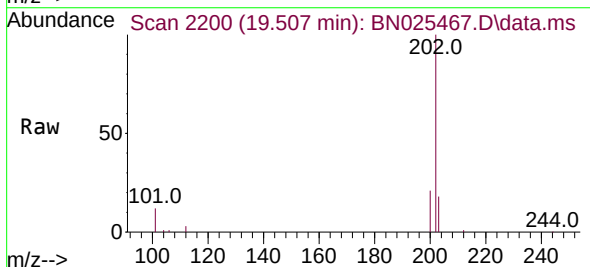
Manual Integrations
APPROVED

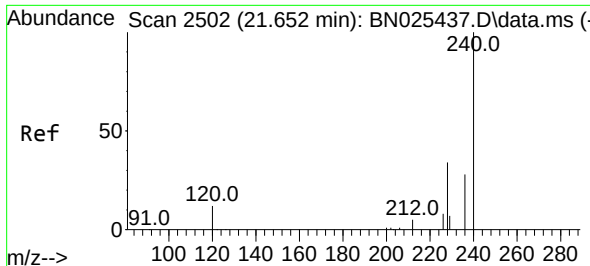
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#28
Fluoranthene
Concen: 0.282 ng
RT: 19.507 min Scan# 2200
Delta R.T. -0.004 min
Lab File: BN025467.D
Acq: 17 May 2023 23:28

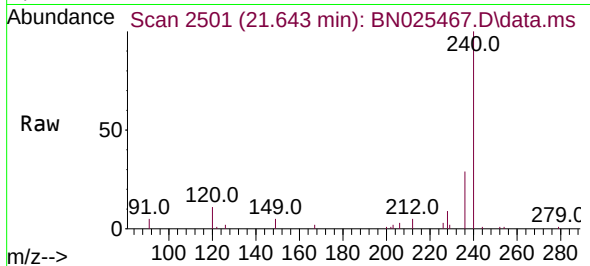
Tgt Ion:202 Resp: 19573
Ion Ratio Lower Upper
202 100
101 13.0 8.6 13.0#
203 17.3 13.9 20.9





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.643 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN025467.D
Acq: 17 May 2023 23:28

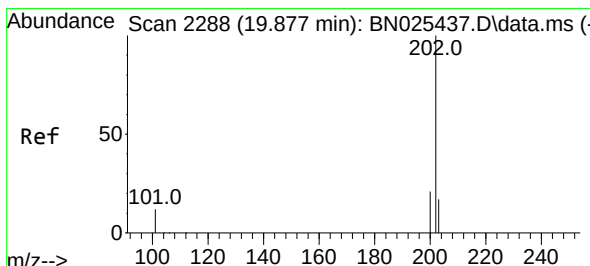
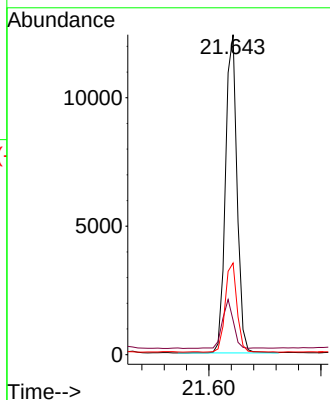
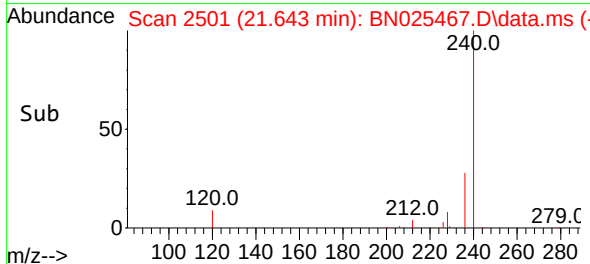
Instrument :
BNA_N
ClientSampleId :
CB-22-K2-SO-11-051623



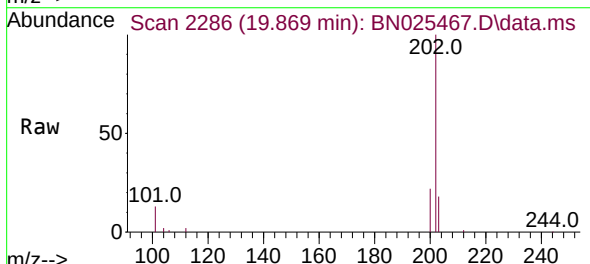
Tgt Ion:240 Resp: 1782
Ion Ratio Lower Upper
240 100
120 10.7 11.6 17.4
236 28.7 22.9 34.3

Manual Integrations
APPROVED

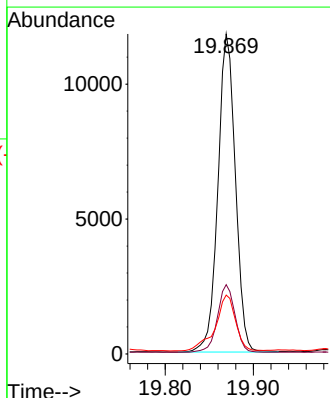
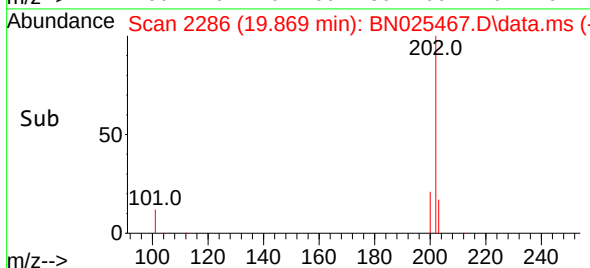
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

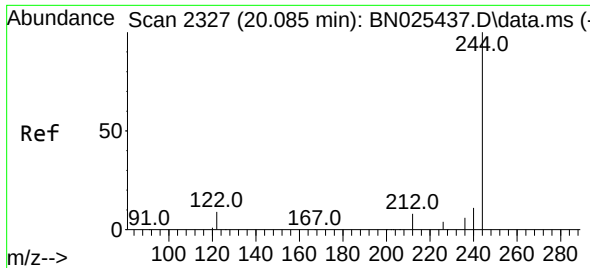


#30
Pyrene
Concen: 0.239 ng
RT: 19.869 min Scan# 2286
Delta R.T. -0.004 min
Lab File: BN025467.D
Acq: 17 May 2023 23:28



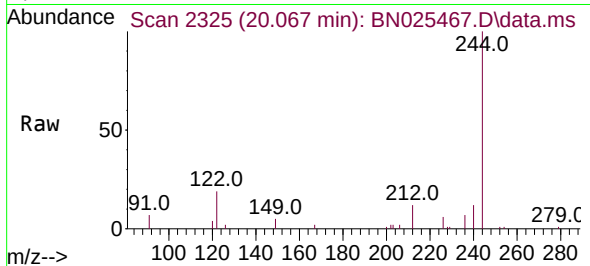
Tgt Ion:202 Resp: 16256
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 20.3 14.2 21.4





#31
 Terphenyl-d14
 Concen: 0.257 ng
 RT: 20.067 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BN025467.D
 Acq: 17 May 2023 23:28

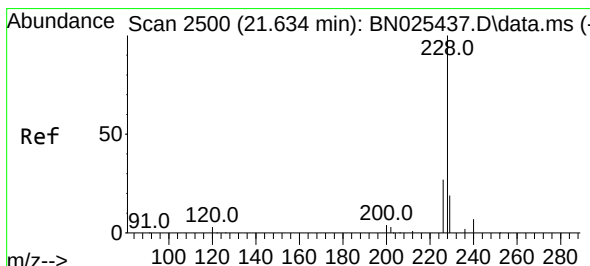
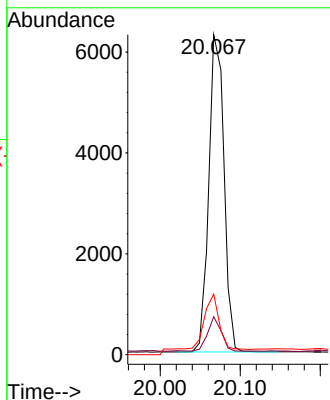
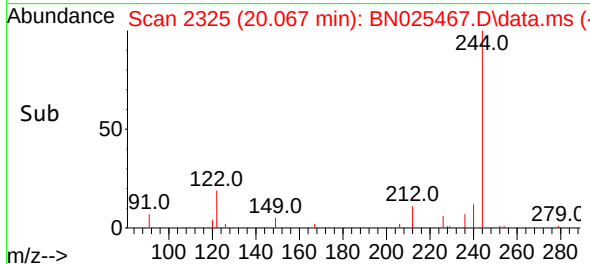
Instrument :
 BNA_N
 ClientSampleId :
 CB-22-K2-SO-11-051623



Tgt Ion:244 Resp: 831
 Ion Ratio Lower Upper
 244 100
 212 11.9 6.9 10.3
 122 19.0 7.4 11.2

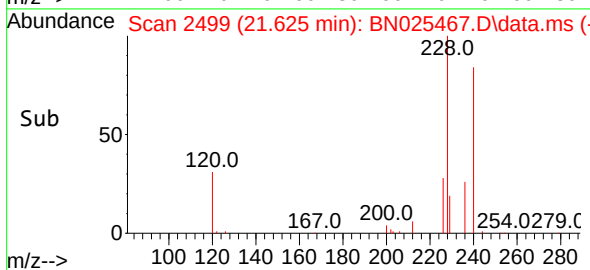
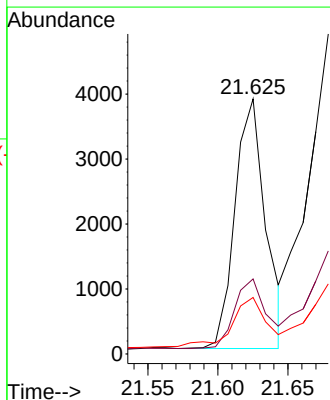
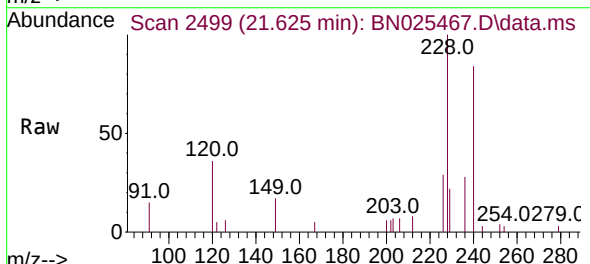
Manual Integrations
 APPROVED

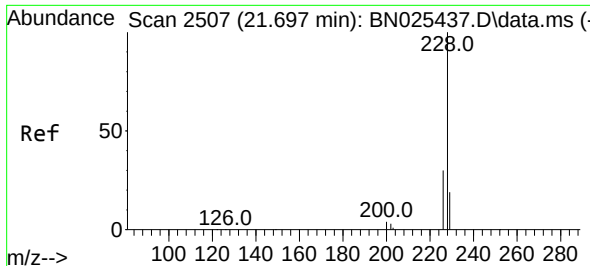
Reviewed By :Christian Giraldo 05/18/2023
 Supervised By :Jagrut Upadhyay 05/18/2023



#32
 Benzo(a)anthracene
 Concen: 0.094 ng
 RT: 21.625 min Scan# 2499
 Delta R.T. 0.000 min
 Lab File: BN025467.D
 Acq: 17 May 2023 23:28

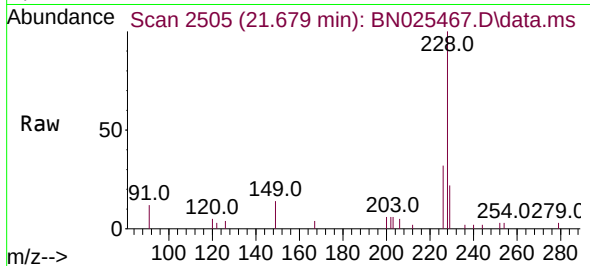
Tgt Ion:228 Resp: 5859
 Ion Ratio Lower Upper
 228 100
 226 29.4 22.1 33.1
 229 22.1 15.4 23.2





#33
Chrysene
Concen: 0.138 ng
RT: 21.679 min Scan# 2167
Delta R.T. 0.000 min
Lab File: BN025467.D
Acq: 17 May 2023 23:28

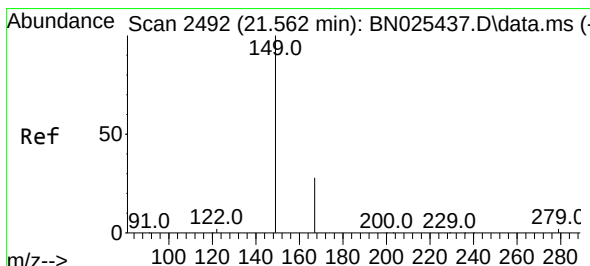
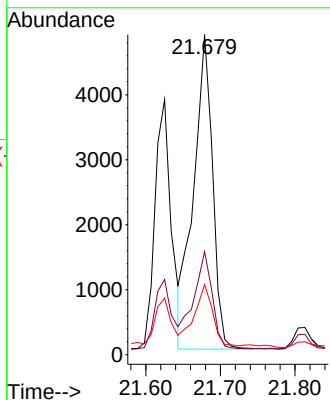
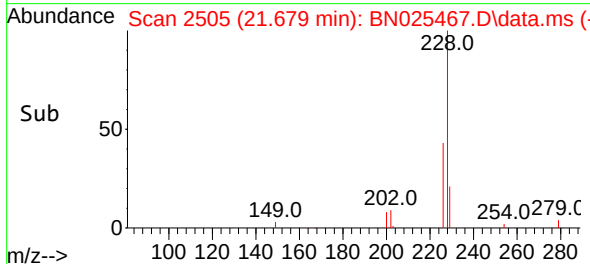
Instrument :
BNA_N
ClientSampleId :
CB-22-K2-SO-11-051623



Tgt Ion:228 Resp: 859
Ion Ratio Lower Upper
228 100
226 32.2 23.9 35.9
229 21.9 15.8 23.6

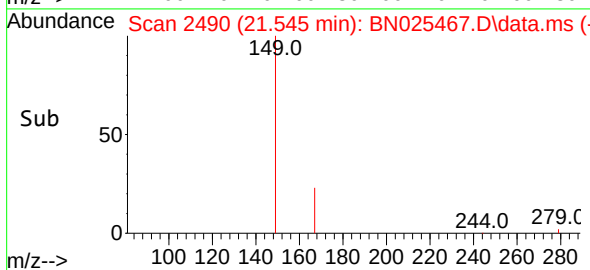
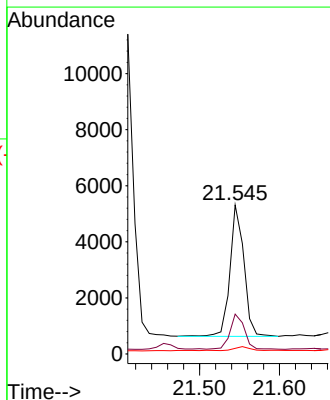
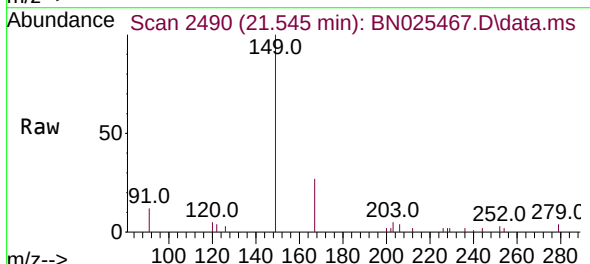
Manual Integrations
APPROVED

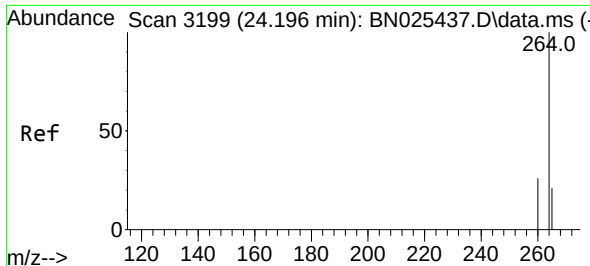
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.155 ng
RT: 21.545 min Scan# 2490
Delta R.T. -0.009 min
Lab File: BN025467.D
Acq: 17 May 2023 23:28

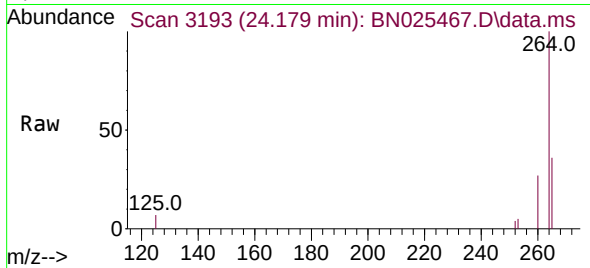
Tgt Ion:149 Resp: 5682
Ion Ratio Lower Upper
149 100
167 27.6 22.2 33.4
279 3.2 2.5 3.7





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.179 min Scan# 3193
 Delta R.T. 0.000 min
 Lab File: BN025467.D
 Acq: 17 May 2023 23:28

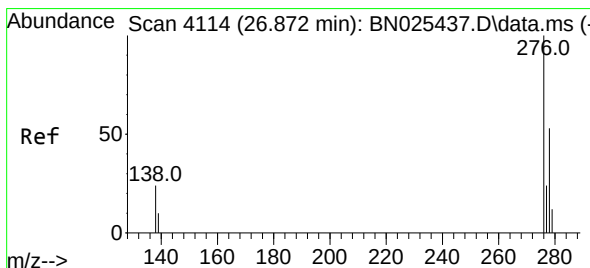
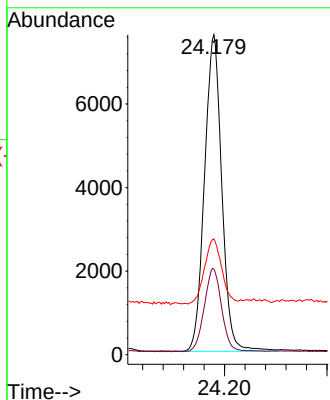
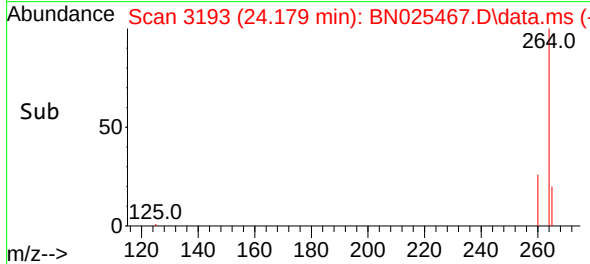
Instrument :
 BNA_N
 ClientSampleId :
 CB-22-K2-SO-11-051623



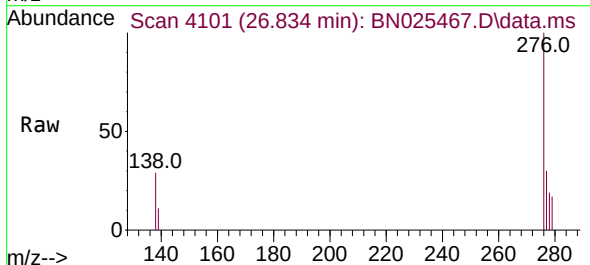
Tgt Ion:264 Resp: 17804
 Ion Ratio Lower Upper
 264 100
 260 26.8 21.0 31.6
 265 36.2 25.5 38.3

Manual Integrations
 APPROVED

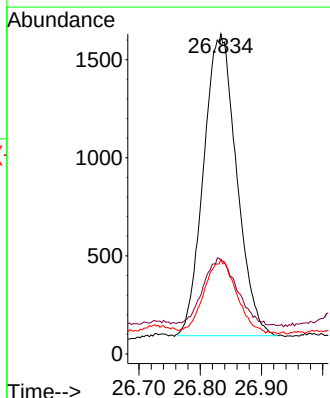
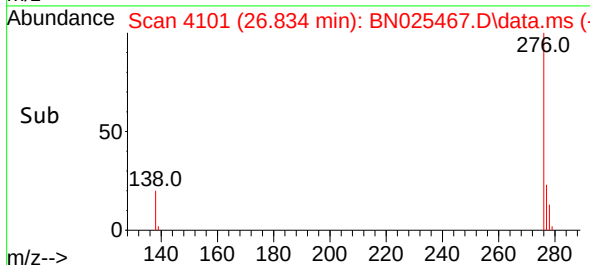
Reviewed By :Christian Giraldo 05/18/2023
 Supervised By :Jagrut Upadhyay 05/18/2023

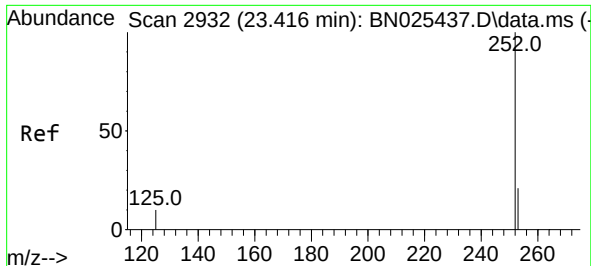


#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.080 ng
 RT: 26.834 min Scan# 4101
 Delta R.T. -0.023 min
 Lab File: BN025467.D
 Acq: 17 May 2023 23:28



Tgt Ion:276 Resp: 5750
 Ion Ratio Lower Upper
 276 100
 138 22.4 21.0 31.6
 277 23.9 19.8 29.6





#37

Benzo(b)fluoranthene

Concen: 0.213 ng

RT: 23.398 min Scan# 2926

Delta R.T. -0.006 min

Lab File: BN025467.D

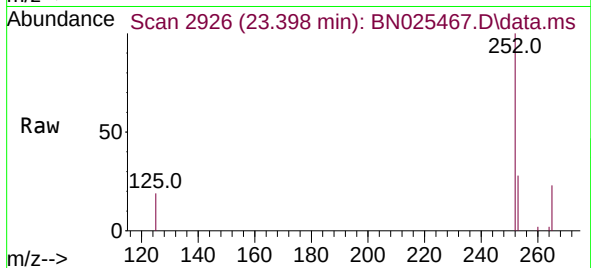
Acq: 17 May 2023 23:28

Instrument :

BNA_N

ClientSampleId :

CB-22-K2-SO-11-051623



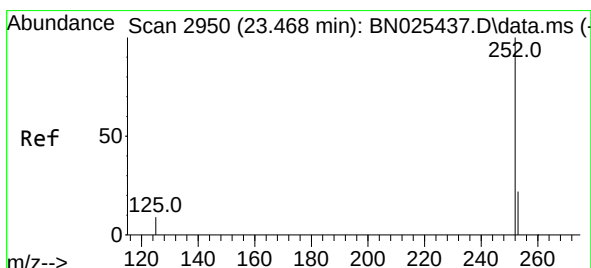
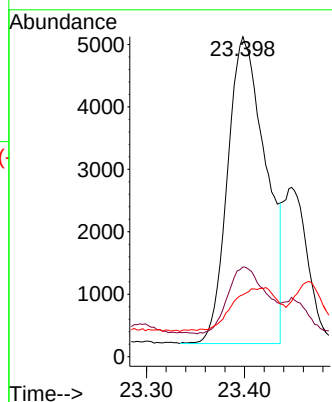
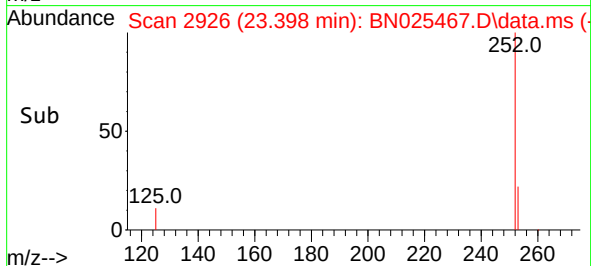
Tgt Ion:	252	Resp:	1327
Ion Ratio	Lower	Upper	
252	100		
253	28.1	19.0	28.4
125	19.4	9.4	14.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/18/2023

Supervised By :Jagrut Upadhyay 05/18/2023



#38

Benzo(k)fluoranthene

Concen: 0.072 ng m

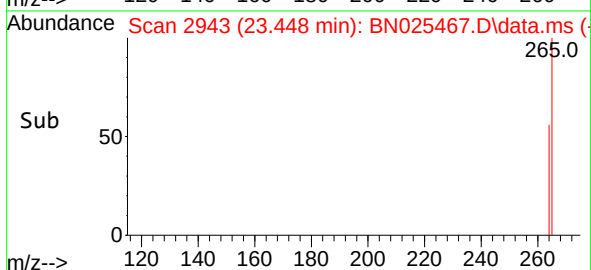
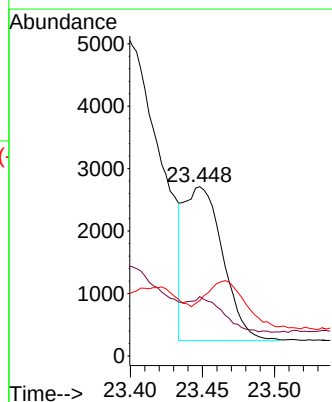
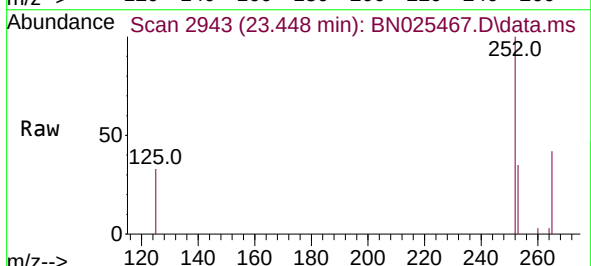
RT: 23.448 min Scan# 2943

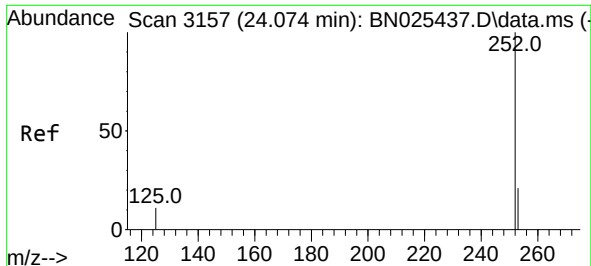
Delta R.T. -0.009 min

Lab File: BN025467.D

Acq: 17 May 2023 23:28

Tgt Ion:	252	Resp:	4604
Ion Ratio	Lower	Upper	
252	100		
253	35.1	19.1	28.7#
125	32.7	9.5	14.3#





#39

Benzo(a)pyrene

Concen: 0.112 ng

RT: 24.056 min Scan# 3151

Delta R.T. -0.009 min

Lab File: BN025467.D

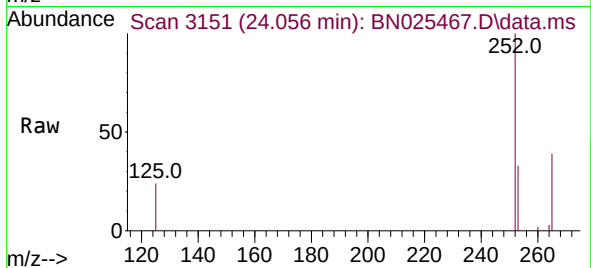
Acq: 17 May 2023 23:28

Instrument :

BNA_N

ClientSampleId :

CB-22-K2-SO-11-051623

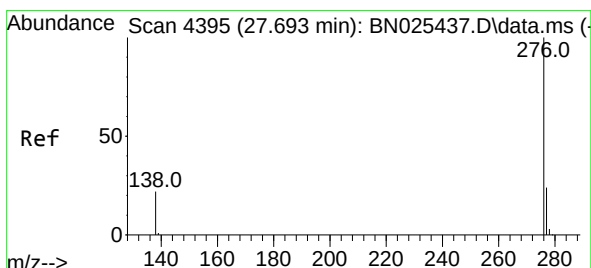
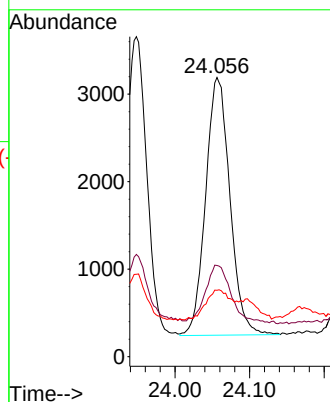
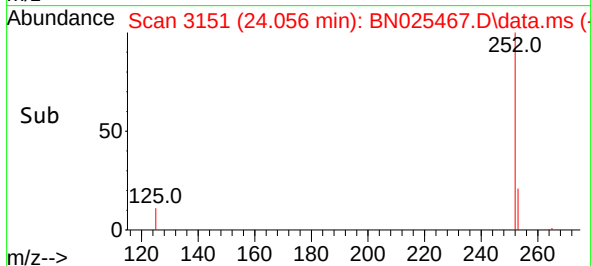


Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.7	19.5	29.3
125	23.8	10.2	15.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#41

Benzo(g,h,i)perylene

Concen: 0.101 ng

RT: 27.649 min Scan# 4380

Delta R.T. -0.026 min

Lab File: BN025467.D

Acq: 17 May 2023 23:28

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.6	19.6	29.4
138	30.7	19.0	28.6

