

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051723\
 Data File : BN025468.D
 Acq On : 18 May 2023 00:04
 Operator : CG/JU
 Sample : 02816-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CB-22-K2-SO-3.5-051623

Manual Integrations
 APPROVED

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

Quant Time: May 18 03:42:46 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	6143	0.400	ng	0.00
7) Naphthalene-d8	10.910	136	18265	0.400	ng	# 0.00
13) Acenaphthene-d10	14.715	164	10297	0.400	ng	0.00
19) Phenanthrene-d10	17.460	188	22672	0.400	ng	# 0.00
29) Chrysene-d12	21.634	240	15656	0.400	ng	# 0.00
35) Perylene-d12	24.158	264	13887	0.400	ng	#-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.622	112	3777	0.286	ng	0.00
5) Phenol-d6	7.225	99	5205	0.294	ng	0.00
8) Nitrobenzene-d5	9.244	82	3243	0.260	ng	0.00
11) 2-Methylnaphthalene-d10	12.483	152	6068	0.238	ng	0.00
14) 2,4,6-Tribromophenol	16.194	330	908	0.260	ng	0.00
15) 2-Fluorobiphenyl	13.347	172	8895	0.236	ng	0.00
27) Fluoranthene-d10	19.477	212	11987	0.222	ng	0.00
31) Terphenyl-d14	20.067	244	7725	0.272	ng	0.00
Target Compounds						
						Qvalue
25) Phenanthrene	17.497	178	7491	0.117	ng	97
28) Fluoranthene	19.507	202	19596	0.259	ng	99
30) Pyrene	19.869	202	17578	0.294	ng	96
32) Benzo(a)anthracene	21.625	228	7084	0.129	ng	# 89
33) Chrysene	21.679	228	9438	0.173	ng	# 93
34) Bis(2-ethylhexyl)phtha...	21.544	149	2798	0.087	ng	99
36) Indeno(1,2,3-cd)pyrene	26.816	276	8091	0.144	ng	95
37) Benzo(b)fluoranthene	23.387	252	14589	0.300	ng	# 79
38) Benzo(k)fluoranthene	23.436	252	4594m	0.092	ng	
39) Benzo(a)pyrene	24.053	252	8036	0.173	ng	# 69
41) Benzo(g,h,i)perylene	27.635	276	10303	0.217	ng	# 88

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

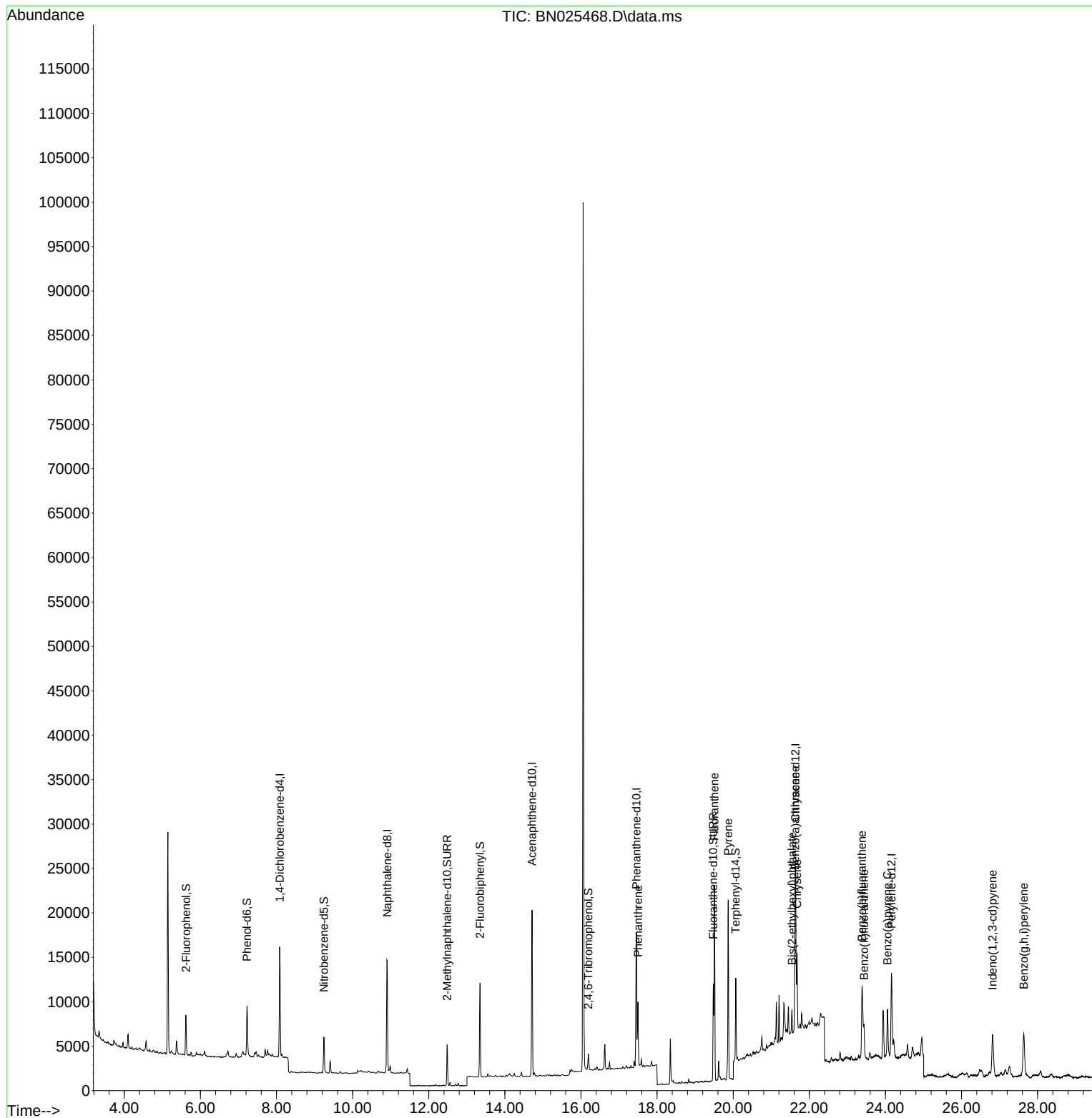
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051723\
Data File : BN025468.D
Acq On : 18 May 2023 00:04
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Sample : 02816-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

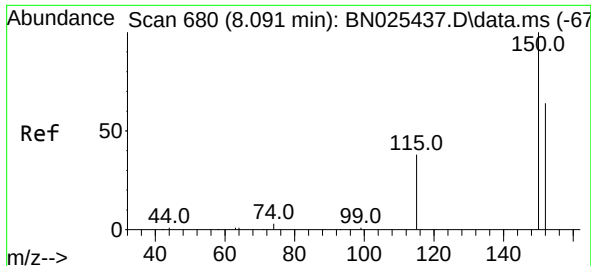
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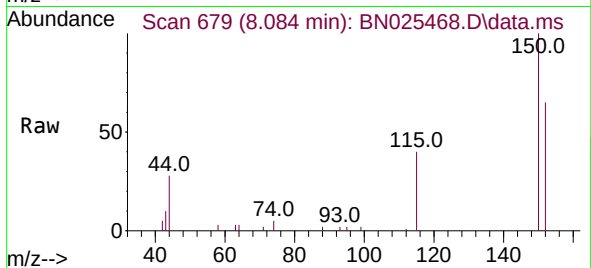
Quant Time: May 18 03:42:46 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 18 03:36:39 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.084 min Scan# 614
Delta R.T. 0.000 min
Lab File: BN025468.D
Acq: 18 May 2023 00:04

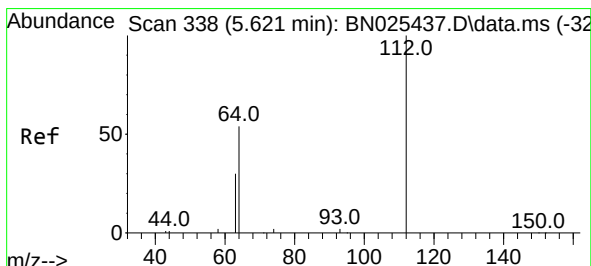
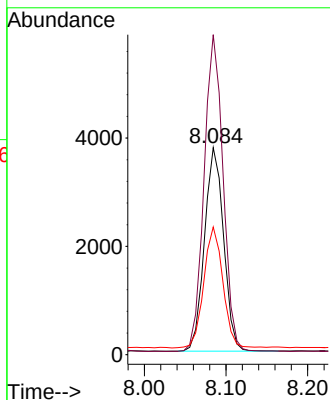
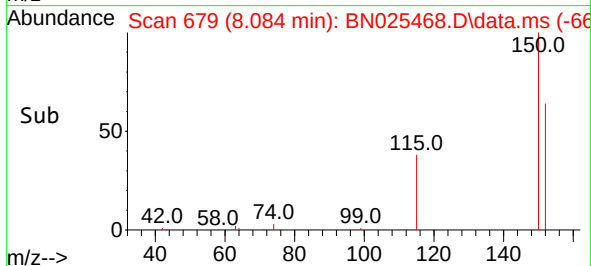
Instrument :
BNA_N
ClientSampleId :
CB-22-K2-SO-3.5-051623



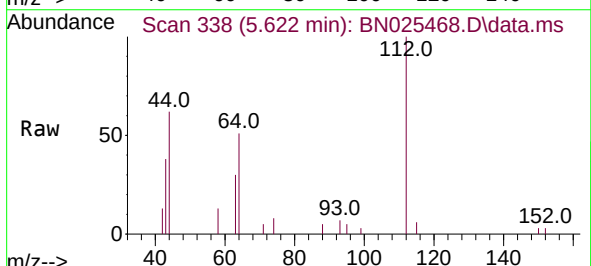
Tgt Ion:152 Resp: 614
Ion Ratio Lower Upper
152 100
150 154.6 123.7 185.5
115 61.7 50.0 75.0

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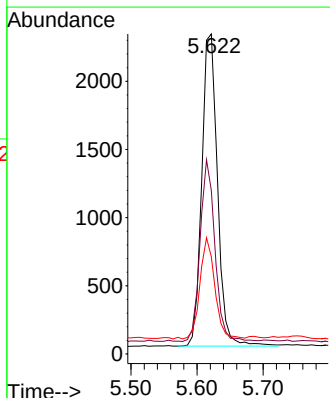
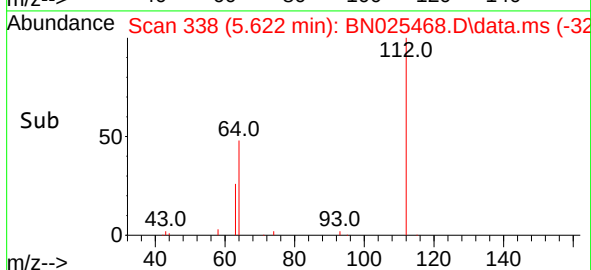
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

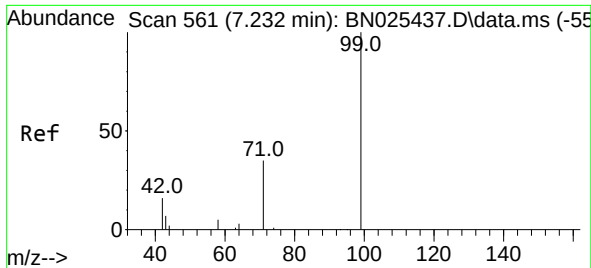


#4
2-Fluorophenol
Concen: 0.286 ng
RT: 5.622 min Scan# 338
Delta R.T. 0.007 min
Lab File: BN025468.D
Acq: 18 May 2023 00:04



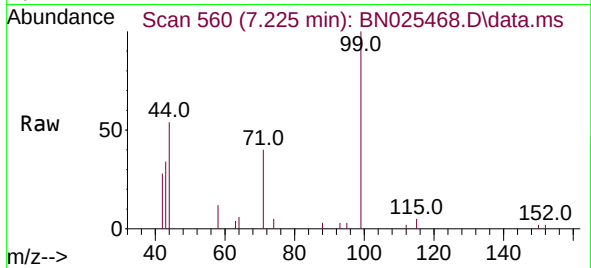
Tgt Ion:112 Resp: 3777
Ion Ratio Lower Upper
112 100
64 55.1 43.9 65.9
63 30.6 25.0 37.4





#5
Phenol-d6
Concen: 0.294 ng
RT: 7.225 min Scan# 560
Delta R.T. -0.000 min
Lab File: BN025468.D
Acq: 18 May 2023 00:04

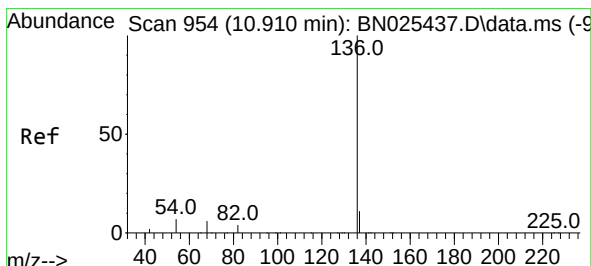
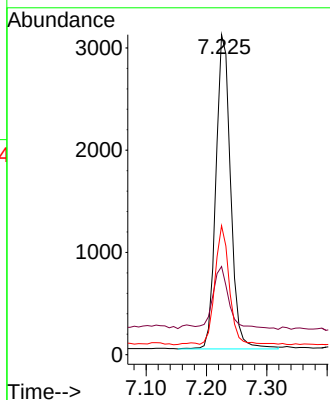
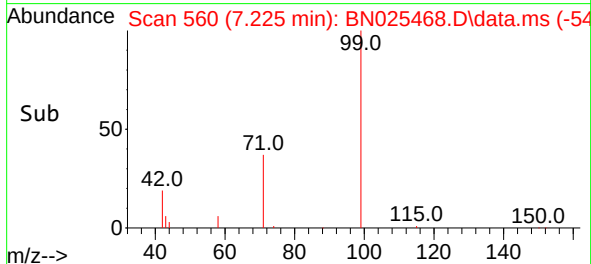
Instrument :
BNA_N
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Tgt Ion: 99 Resp: 520
Ion Ratio Lower Upper
99 100
42 22.2 16.4 24.6
71 37.1 29.4 44.0

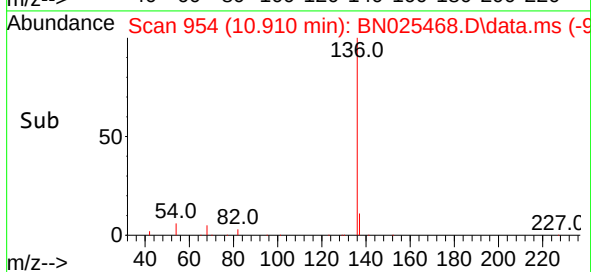
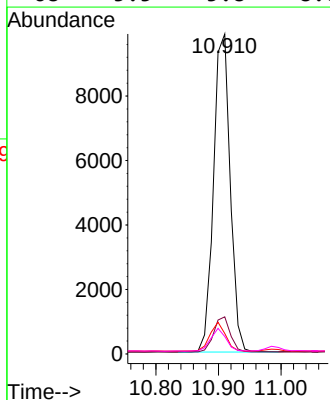
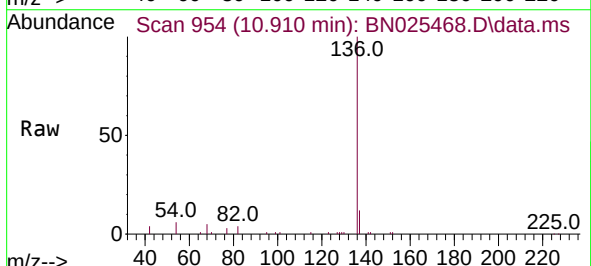
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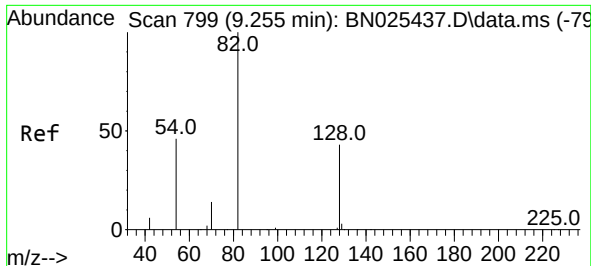
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.910 min Scan# 954
Delta R.T. -0.000 min
Lab File: BN025468.D
Acq: 18 May 2023 00:04

Tgt Ion:136 Resp: 18265
Ion Ratio Lower Upper
136 100
137 11.6 9.4 14.0
54 6.4 7.0 10.4#
68 5.5 5.8 8.6#





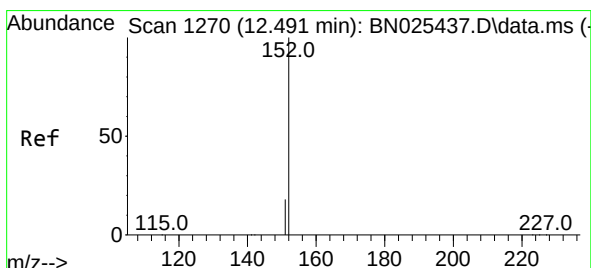
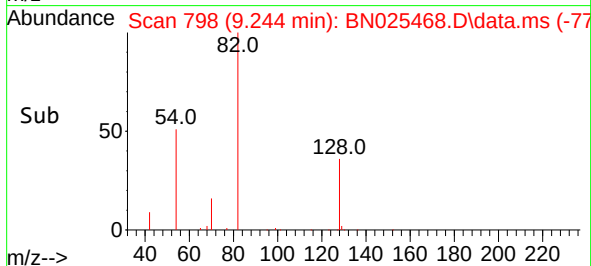
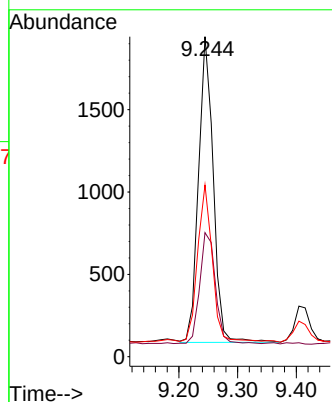
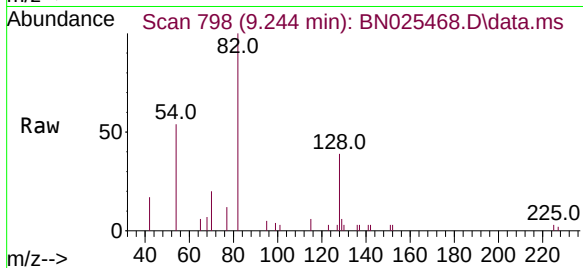
#8
Nitrobenzene-d5
Concen: 0.260 ng
RT: 9.244 min Scan# 799
Delta R.T. -0.000 min
Lab File: BN025468.D
Acq: 18 May 2023 00:04

Instrument :
BNA_N
ClientSampleId :
CB-22-K2-SO-3.5-051623

Tgt Ion: 82 Resp: 324
Ion Ratio Lower Upper
82 100
128 38.8 35.7 53.5
54 53.7 38.6 57.8

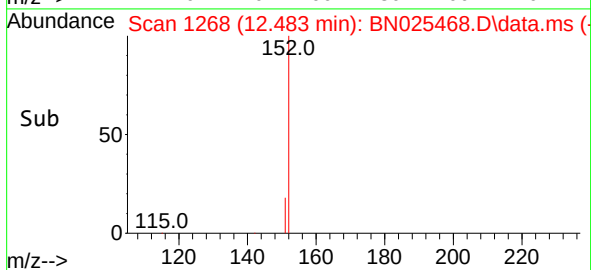
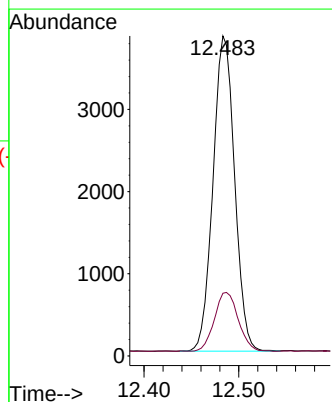
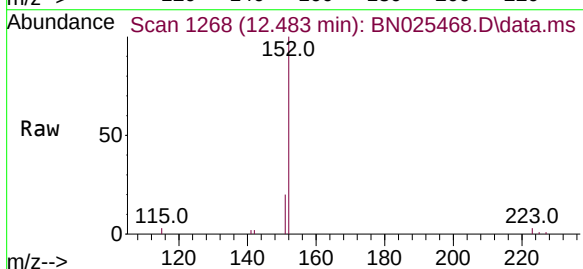
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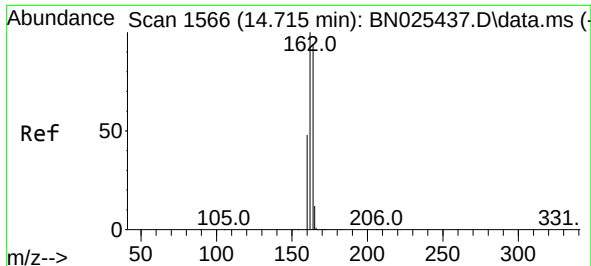
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#11
2-Methylnaphthalene-d10
Concen: 0.238 ng
RT: 12.483 min Scan# 1268
Delta R.T. -0.004 min
Lab File: BN025468.D
Acq: 18 May 2023 00:04

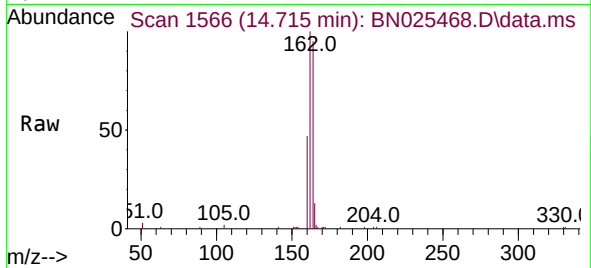
Tgt Ion:152 Resp: 6068
Ion Ratio Lower Upper
152 100
151 20.6 16.5 24.7





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.715 min Scan# 1566
Delta R.T. -0.000 min
Lab File: BN025468.D
Acq: 18 May 2023 00:04

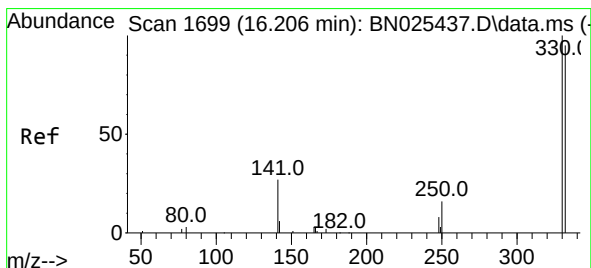
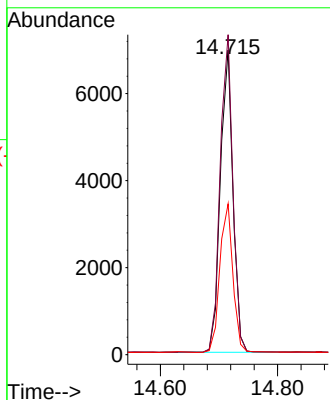
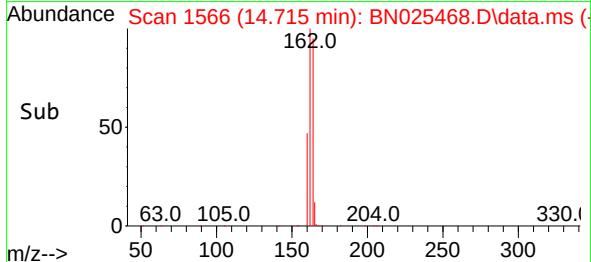
Instrument :
BNA_N
ClientSampleId :
CB-22-K2-SO-3.5-051623



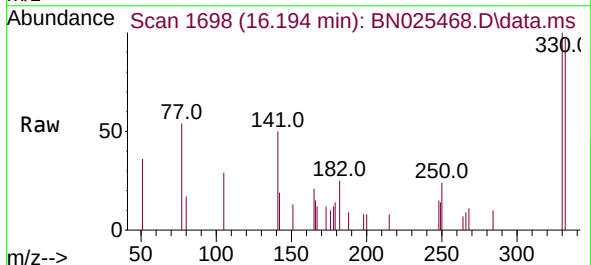
Tgt Ion:164 Resp: 1029
Ion Ratio Lower Upper
164 100
162 105.0 84.8 127.2
160 49.5 40.6 61.0

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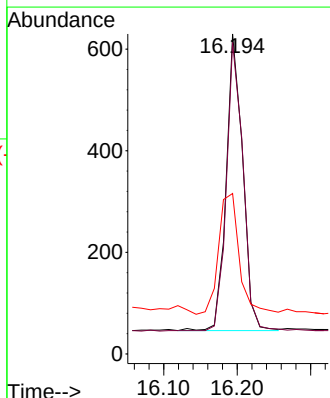
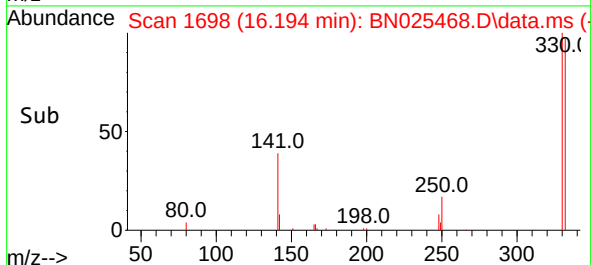
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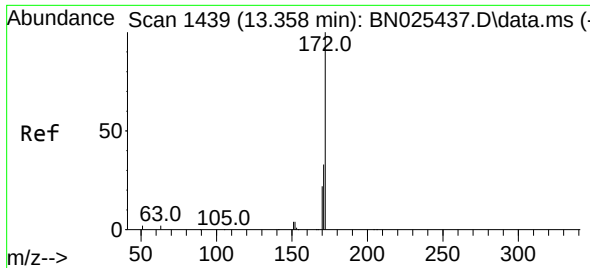


#14
2,4,6-Tribromophenol
Concen: 0.260 ng
RT: 16.194 min Scan# 1698
Delta R.T. -0.000 min
Lab File: BN025468.D
Acq: 18 May 2023 00:04



Tgt Ion:330 Resp: 908
Ion Ratio Lower Upper
330 100
332 97.8 75.5 113.3
141 51.5 35.3 52.9





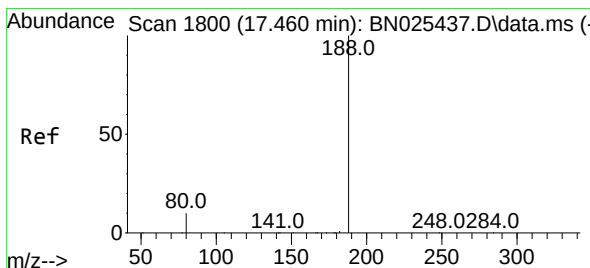
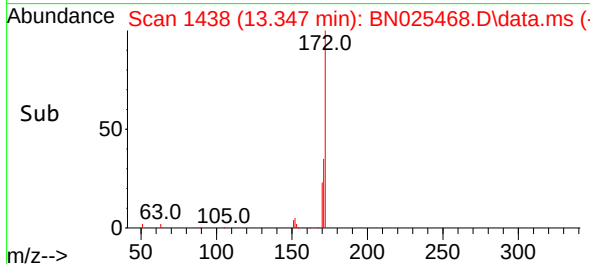
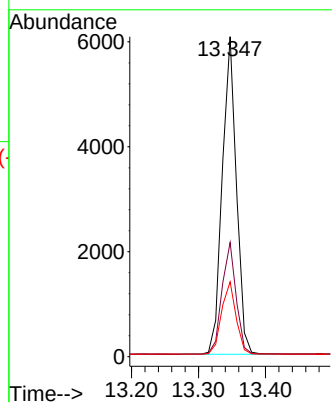
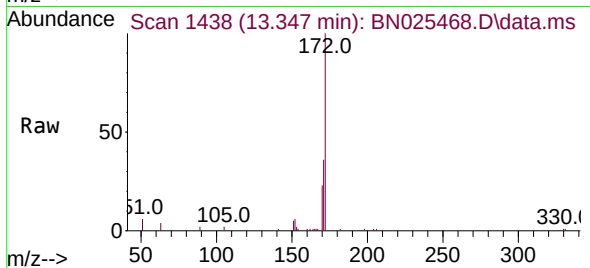
#15
2-Fluorobiphenyl
Concen: 0.236 ng
RT: 13.347 min Scan# 1439
Delta R.T. -0.000 min
Lab File: BN025468.D
Acq: 18 May 2023 00:04

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Tgt Ion:172 Resp: 889
Ion Ratio Lower Upper
172 100
171 35.7 27.0 40.6
170 23.4 18.2 27.2

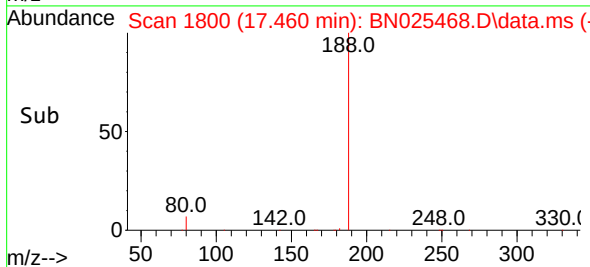
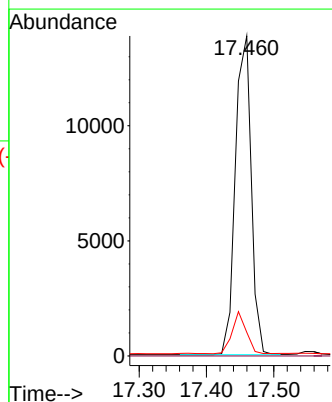
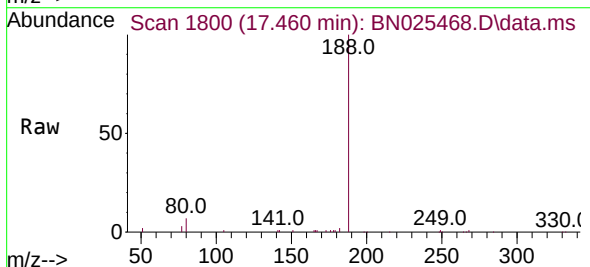
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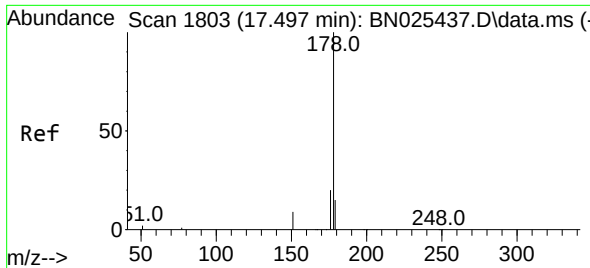
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.460 min Scan# 1800
Delta R.T. -0.000 min
Lab File: BN025468.D
Acq: 18 May 2023 00:04

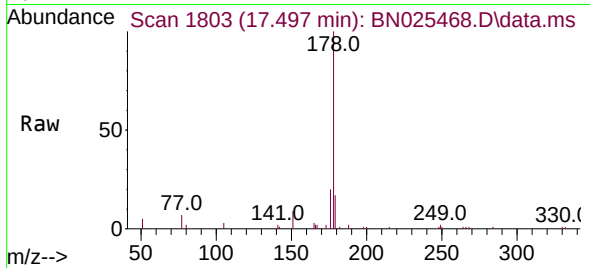
Tgt Ion:188 Resp: 22672
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.4 8.7 13.1#





#25
Phenanthrene
Concen: 0.117 ng
RT: 17.497 min Scan# 1803
Delta R.T. -0.000 min
Lab File: BN025468.D
Acq: 18 May 2023 00:04

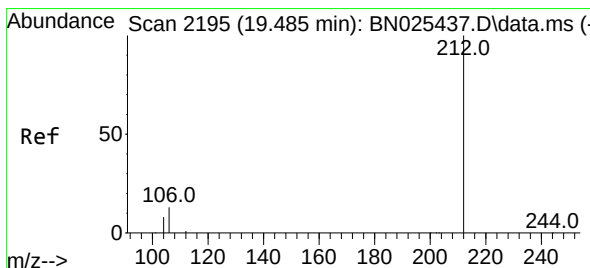
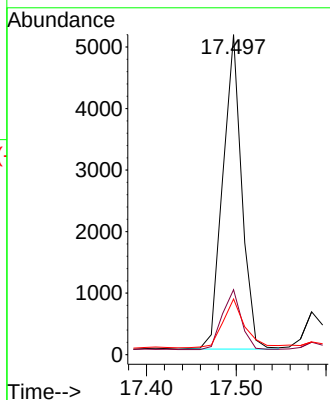
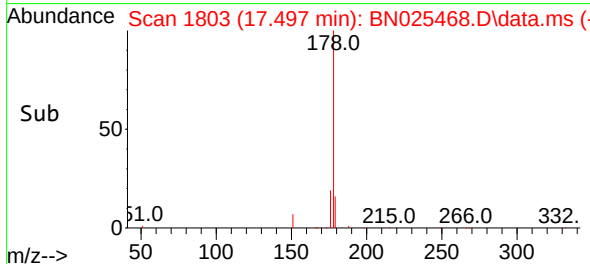
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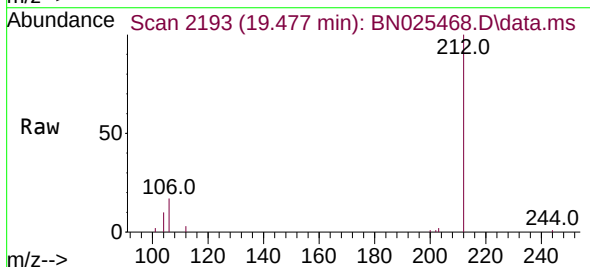
Tgt Ion:178 Resp: 749
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 18.1 12.2 18.4

Manual Integrations
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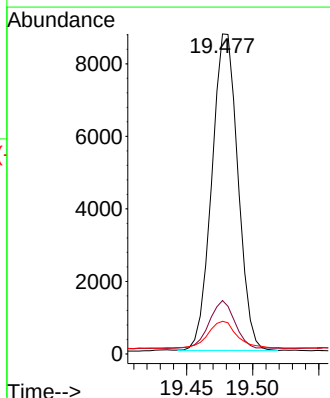
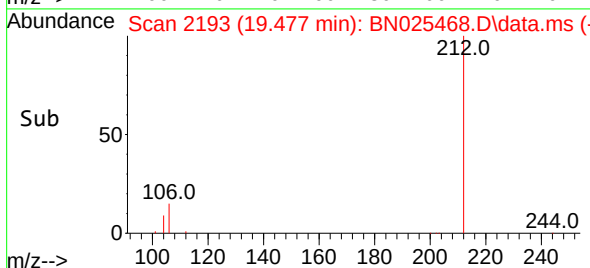
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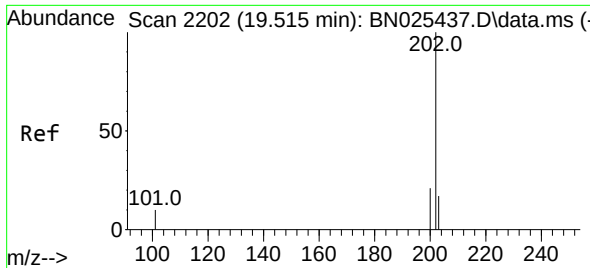


#27
Fluoranthene-d10
Concen: 0.222 ng
RT: 19.477 min Scan# 2193
Delta R.T. -0.004 min
Lab File: BN025468.D
Acq: 18 May 2023 00:04



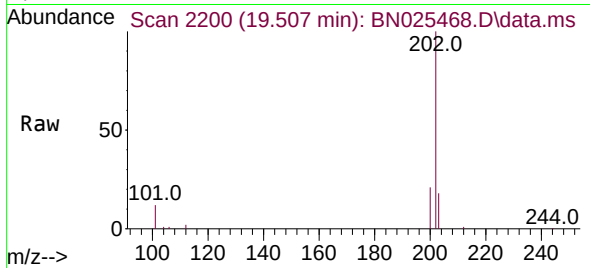
Tgt Ion:212 Resp: 11987
Ion Ratio Lower Upper
212 100
106 14.9 11.1 16.7
104 10.3 6.6 10.0#





#28
Fluoranthene
Concen: 0.259 ng
RT: 19.507 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN025468.D
Acq: 18 May 2023 00:04

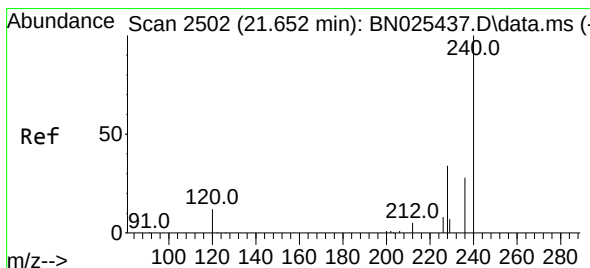
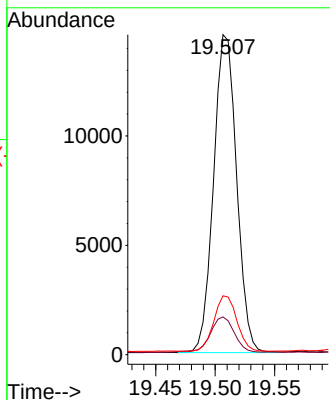
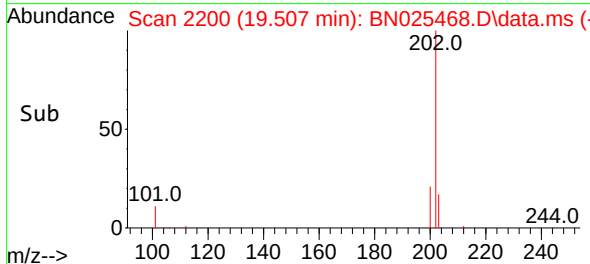
Instrument :
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Tgt Ion:202 Resp: 19590
Ion Ratio Lower Upper
202 100
101 11.7 8.6 13.0
203 17.5 13.9 20.9

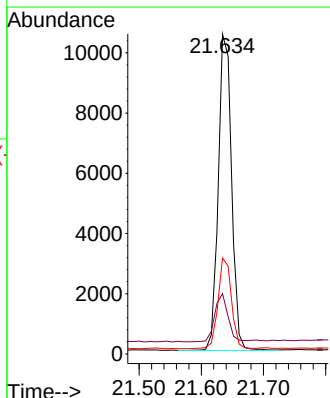
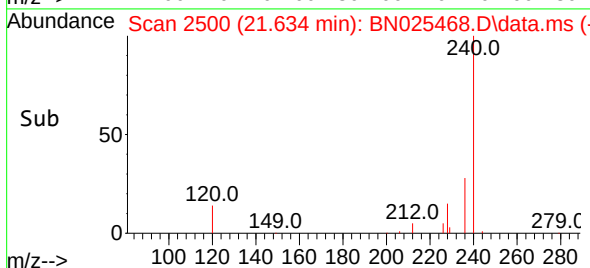
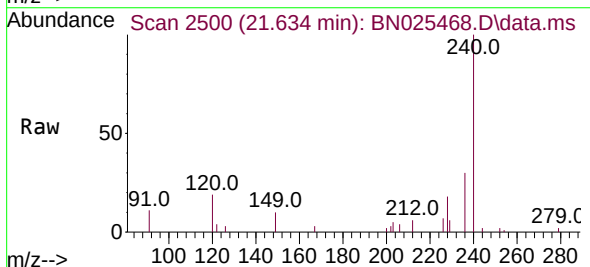
Manual Integrations
APPROVED

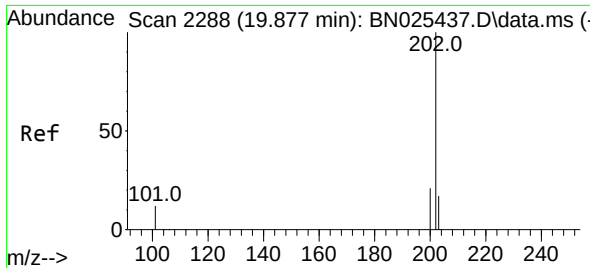
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.634 min Scan# 2500
Delta R.T. -0.009 min
Lab File: BN025468.D
Acq: 18 May 2023 00:04

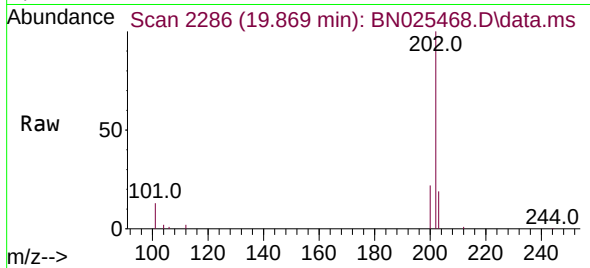
Tgt Ion:240 Resp: 15656
Ion Ratio Lower Upper
240 100
120 18.8 11.6 17.4#
236 30.0 22.9 34.3





#30
Pyrene
Concen: 0.294 ng
RT: 19.869 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN025468.D
Acq: 18 May 2023 00:04

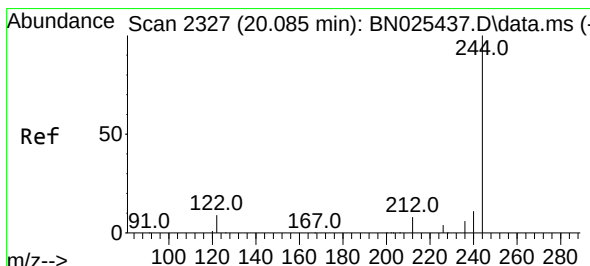
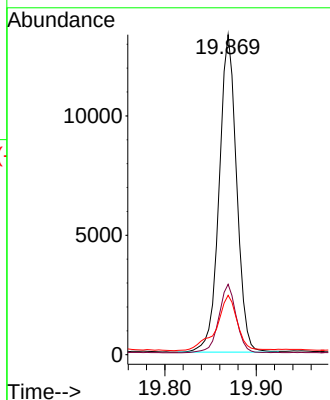
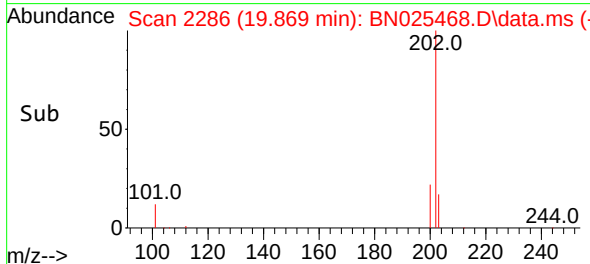
Instrument :
BNA_N
ClientSampleId :
CB-22-K2-SO-3.5-051623



Tgt Ion:202 Resp: 17578
Ion Ratio Lower Upper
202 100
200 21.5 17.0 25.4
203 21.0 14.2 21.4

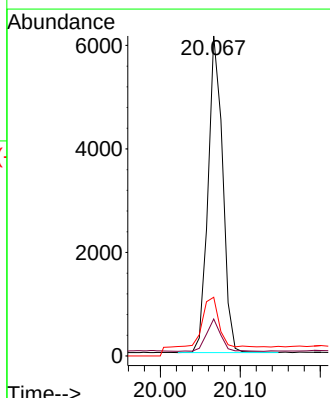
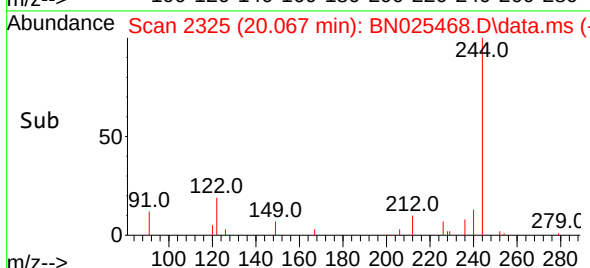
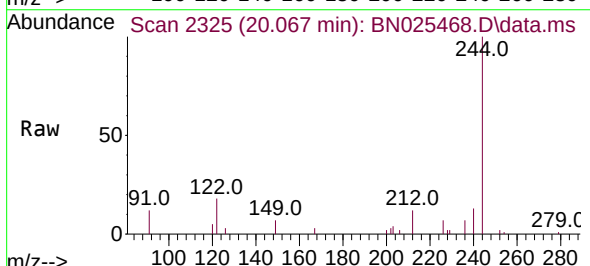
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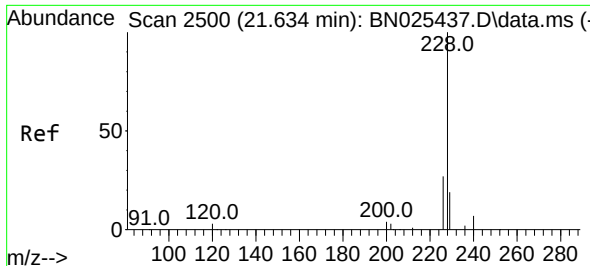
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#31
Terphenyl-d14
Concen: 0.272 ng
RT: 20.067 min Scan# 2325
Delta R.T. -0.009 min
Lab File: BN025468.D
Acq: 18 May 2023 00:04

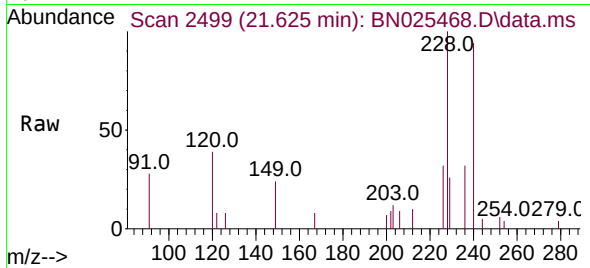
Tgt Ion:244 Resp: 7725
Ion Ratio Lower Upper
244 100
212 11.6 6.9 10.3#
122 18.3 7.4 11.2#





#32
Benzo(a)anthracene
Concen: 0.129 ng
RT: 21.625 min Scan# 2499
Delta R.T. -0.000 min
Lab File: BN025468.D
Acq: 18 May 2023 00:04

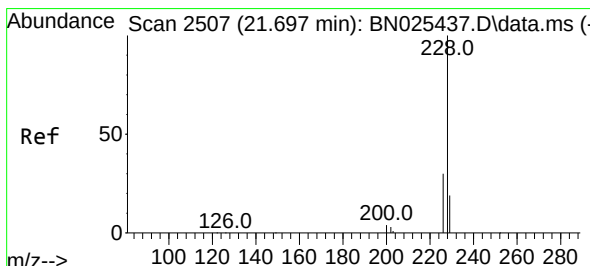
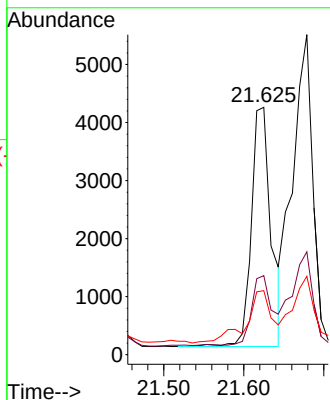
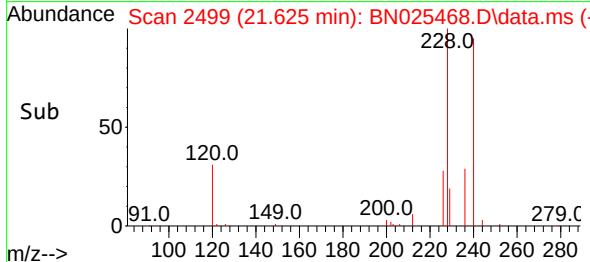
Instrument :
BNA_N
ClientSampleId :
CB-22-K2-SO-3.5-051623



Tgt Ion:228 Resp: 7084
Ion Ratio Lower Upper
228 100
226 31.9 22.1 33.1
229 25.9 15.4 23.2

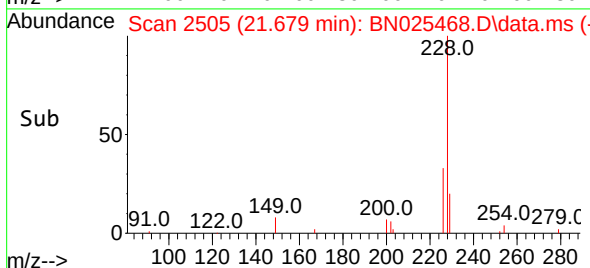
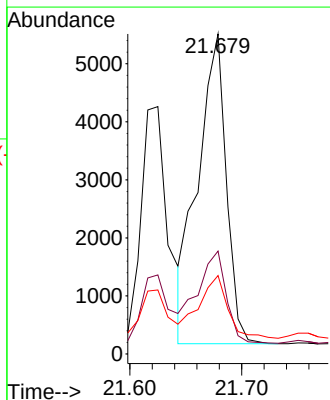
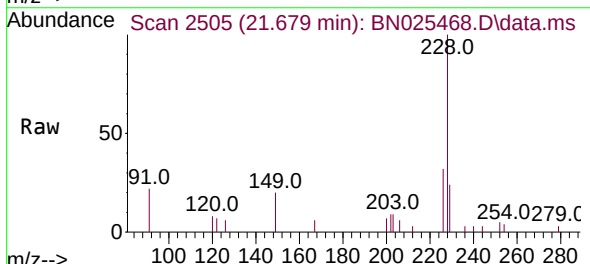
Manual Integrations
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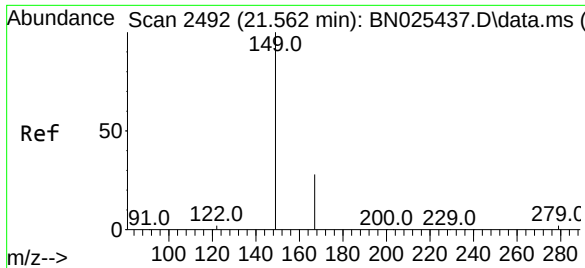
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#33
Chrysene
Concen: 0.173 ng
RT: 21.679 min Scan# 2505
Delta R.T. -0.000 min
Lab File: BN025468.D
Acq: 18 May 2023 00:04

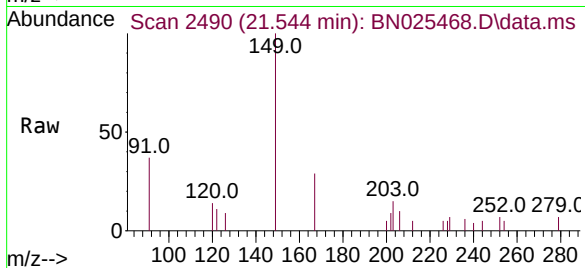
Tgt Ion:228 Resp: 9438
Ion Ratio Lower Upper
228 100
226 32.2 23.9 35.9
229 24.5 15.8 23.6





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.087 ng
RT: 21.544 min Scan# 2490
Delta R.T. -0.009 min
Lab File: BN025468.D
Acq: 18 May 2023 00:04

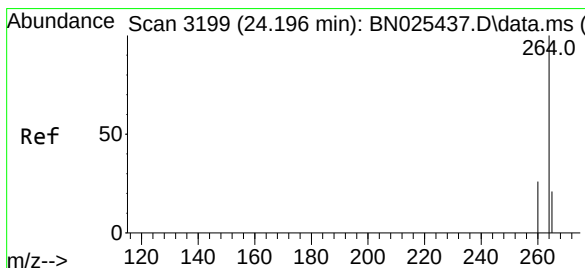
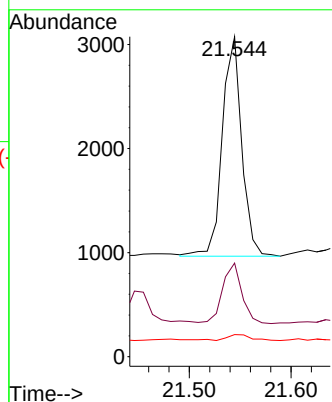
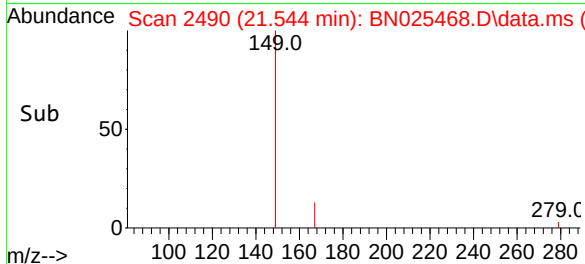
Instrument :
BNA_N
ClientSampleId :
CB-22-K2-SO-3.5-051623



Tgt Ion:149 Resp: 2798
Ion Ratio Lower Upper
149 100
167 27.3 22.2 33.4
279 3.3 2.5 3.7

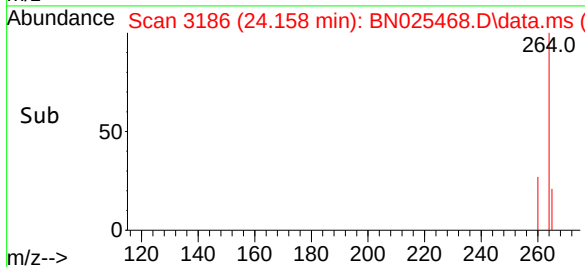
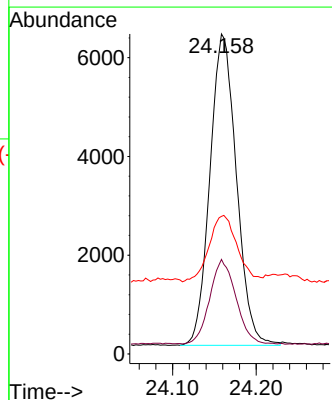
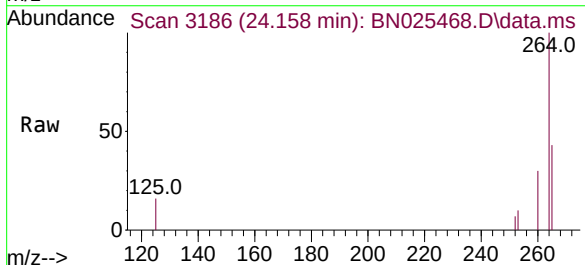
Manual Integrations
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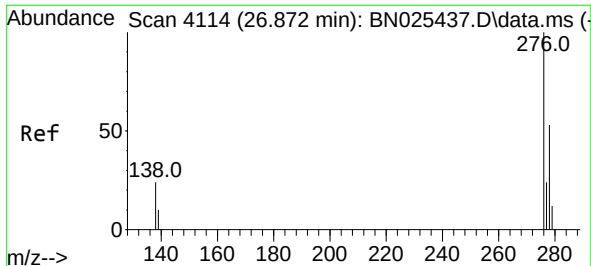
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#35
Perylene-d12
Concen: 0.400 ng
RT: 24.158 min Scan# 3186
Delta R.T. -0.020 min
Lab File: BN025468.D
Acq: 18 May 2023 00:04

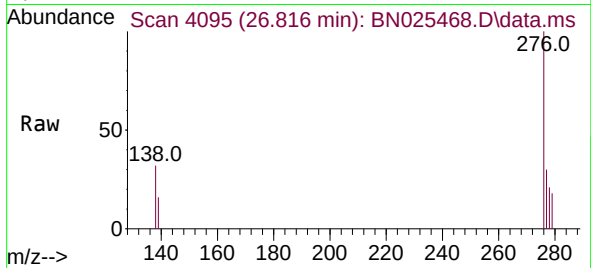
Tgt Ion:264 Resp: 13887
Ion Ratio Lower Upper
264 100
260 29.5 21.0 31.6
265 43.0 25.5 38.3#





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.144 ng
RT: 26.816 min Scan# 4095
Delta R.T. -0.041 min
Lab File: BN025468.D
Acq: 18 May 2023 00:04

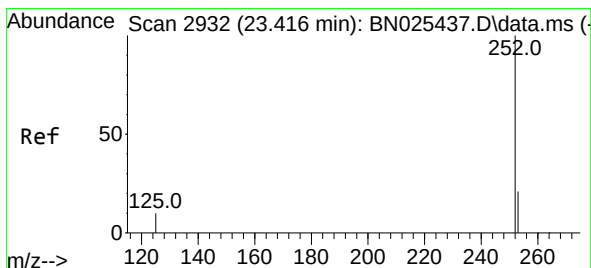
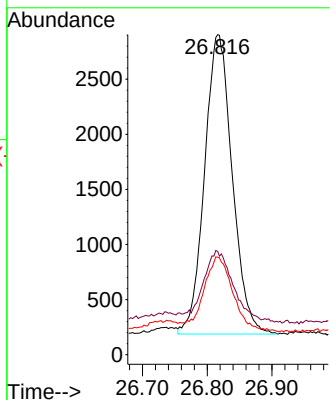
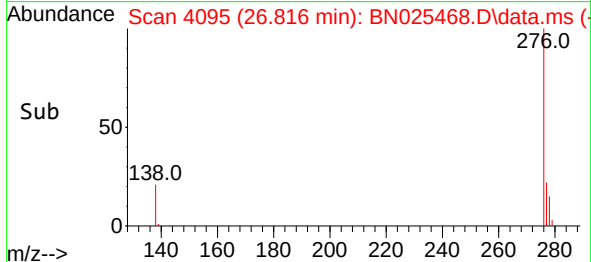
Instrument :
BNA_N
ClientSampleId :
CB-22-K2-SO-3.5-051623



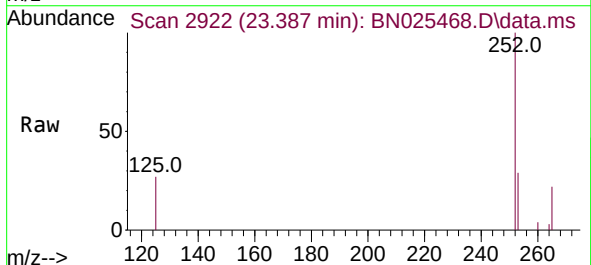
Tgt Ion:276 Resp: 809
Ion Ratio Lower Upper
276 100
138 23.3 21.0 31.6
277 26.4 19.8 29.6

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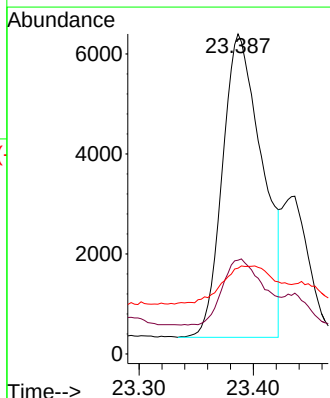
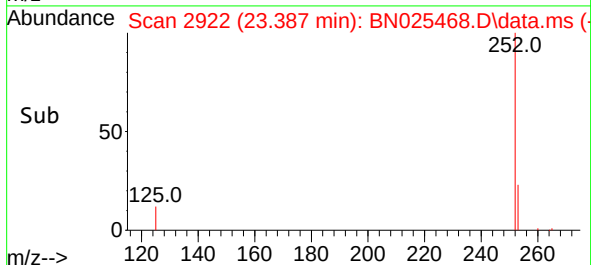
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

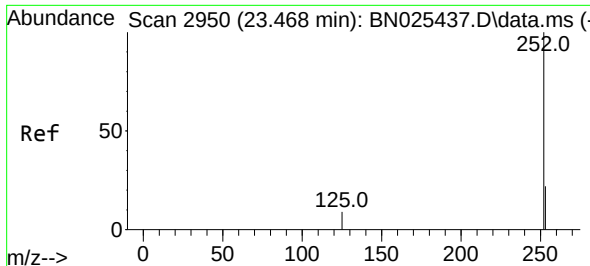


#37
Benzo(b)fluoranthene
Concen: 0.300 ng
RT: 23.387 min Scan# 2922
Delta R.T. -0.018 min
Lab File: BN025468.D
Acq: 18 May 2023 00:04



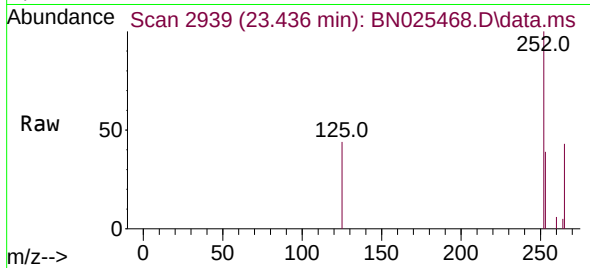
Tgt Ion:252 Resp: 14589
Ion Ratio Lower Upper
252 100
253 29.3 19.0 28.4#
125 26.8 9.4 14.2#





#38
Benzo(k)fluoranthene
Concen: 0.092 ng m
RT: 23.436 min Scan# 2950
Delta R.T. -0.021 min
Lab File: BN025468.D
Acq: 18 May 2023 00:04

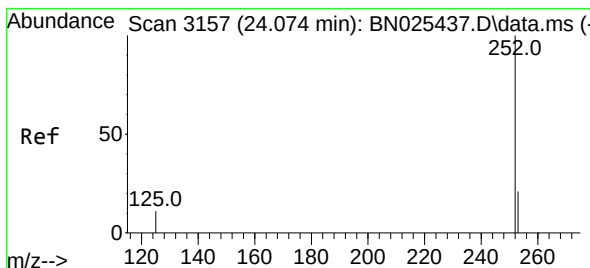
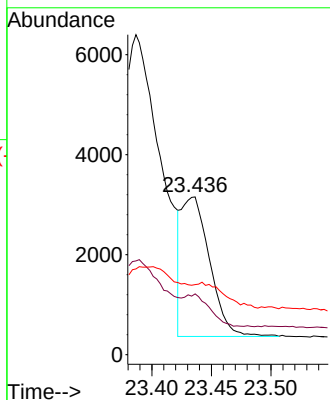
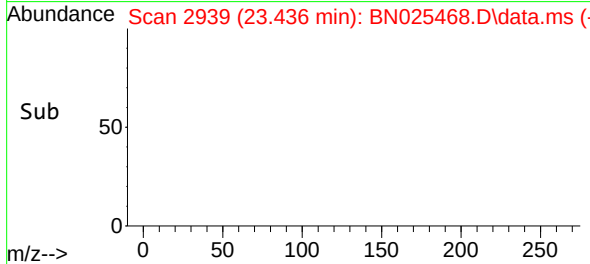
Instrument :
BNA_N
ClientSampleId :
CB-22-K2-SO-3.5-051623



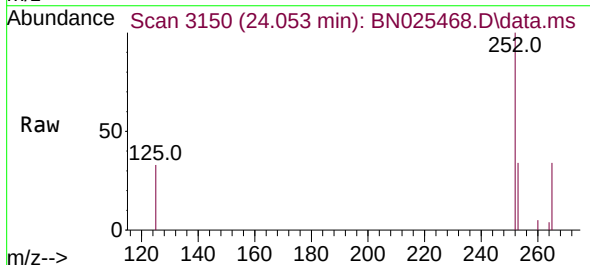
Tgt Ion:252 Resp: 4594
Ion Ratio Lower Upper
252 100
253 38.6 19.1 28.7
125 44.5 9.5 14.3

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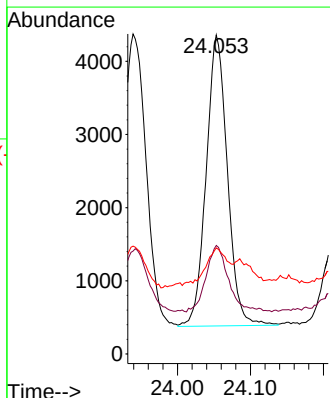
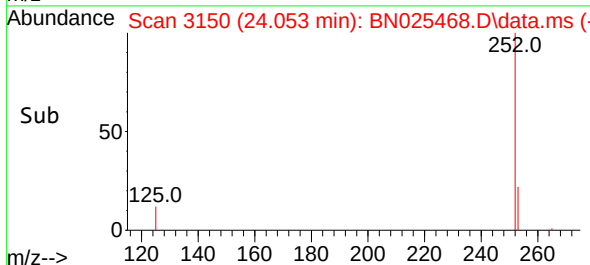
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

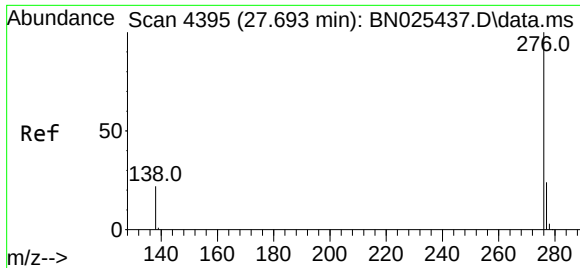


#39
Benzo(a)pyrene
Concen: 0.173 ng
RT: 24.053 min Scan# 3150
Delta R.T. -0.012 min
Lab File: BN025468.D
Acq: 18 May 2023 00:04



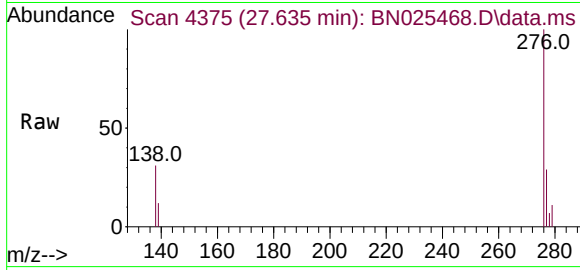
Tgt Ion:252 Resp: 8036
Ion Ratio Lower Upper
252 100
253 34.0 19.5 29.3#
125 33.3 10.2 15.4#





#41
 Benzo(g,h,i)perylene
 Concen: 0.217 ng
 RT: 27.635 min Scan# 41
 Delta R.T. -0.041 min
 Lab File: BN025468.D
 Acq: 18 May 2023 00:04

Instrument :
 BNA_N
 ClientSampleId :
 CB-22-K2-SO-3.5-051623



Tgt Ion:276 Resp: 1030
 Ion Ratio Lower Upper
 276 100
 277 29.1 19.6 29.4
 138 30.7 19.0 28.6

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

