

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050923\
 Data File : BN025368.D
 Acq On : 09 May 2023 15:41
 Operator : CG/JU
 Sample : 02588-01DL 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ZONE-B-0-3-05012023DL

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 05/10/2023
 Supervised By :Jagrut Upadhyay 05/10/2023

Quant Time: May 10 03:59:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 09 10:18:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.904	152	6639	0.400	ng	0.00
7) Naphthalene-d8	10.718	136	21483	0.400	ng	0.01
13) Acenaphthene-d10	14.544	164	13370	0.400	ng	0.00
19) Phenanthrene-d10	17.286	188	29899	0.400	ng	#-0.01
29) Chrysene-d12	21.495	240	28294	0.400	ng	0.00
35) Perylene-d12	23.923	264	24877	0.400	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.463	112	445	0.028	ng	0.00
5) Phenol-d6	7.095	99	386	0.019	ng	0.02
8) Nitrobenzene-d5	9.138	82	235	0.013	ng	0.06
11) 2-Methylnaphthalene-d10	12.317	152	745	0.025	ng	0.02
14) 2,4,6-Tribromophenol	16.057	330	170	0.025	ng	0.01
15) 2-Fluorobiphenyl	13.187	172	1122	0.024	ng	0.01
27) Fluoranthene-d10	19.325	212	1875	0.025	ng	0.00
31) Terphenyl-d14	19.924	244	1528	0.027	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.761	128	4507	0.082	ng	# 93
12) 2-Methylnaphthalene	12.393	142	1971	0.051	ng	# 94
16) Acenaphthylene	14.266	152	5057	0.084	ng	98
17) Acenaphthene	14.609	154	8306	0.223	ng	97
18) Fluorene	15.592	166	15952	0.313	ng	97
25) Phenanthrene	17.336	178	195368	2.362	ng	99
26) Anthracene	17.423	178	53338	0.688	ng	98
28) Fluoranthene	19.355	202	370123	3.581	ng	99
30) Pyrene	19.722	202	301827	3.120	ng	# 95
32) Benzo(a)anthracene	21.477	228	175067	1.831	ng	99
33) Chrysene	21.531	228	142859	1.501	ng	98
34) Bis(2-ethylhexyl)phtha...	21.396	149	2694	0.036	ng	# 97
36) Indeno(1,2,3-cd)pyrene	26.464	276	60796	0.610	ng	96
37) Benzo(b)fluoranthene	23.186	252	162428	2.060	ng	# 94
38) Benzo(k)fluoranthene	23.230	252	64482m	0.781	ng	
39) Benzo(a)pyrene	23.821	252	111917m	1.385	ng	
40) Dibenzo(a,h)anthracene	26.467	278	15812	0.201	ng	# 88
41) Benzo(g,h,i)perylene	27.244	276	54784	0.633	ng	99

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

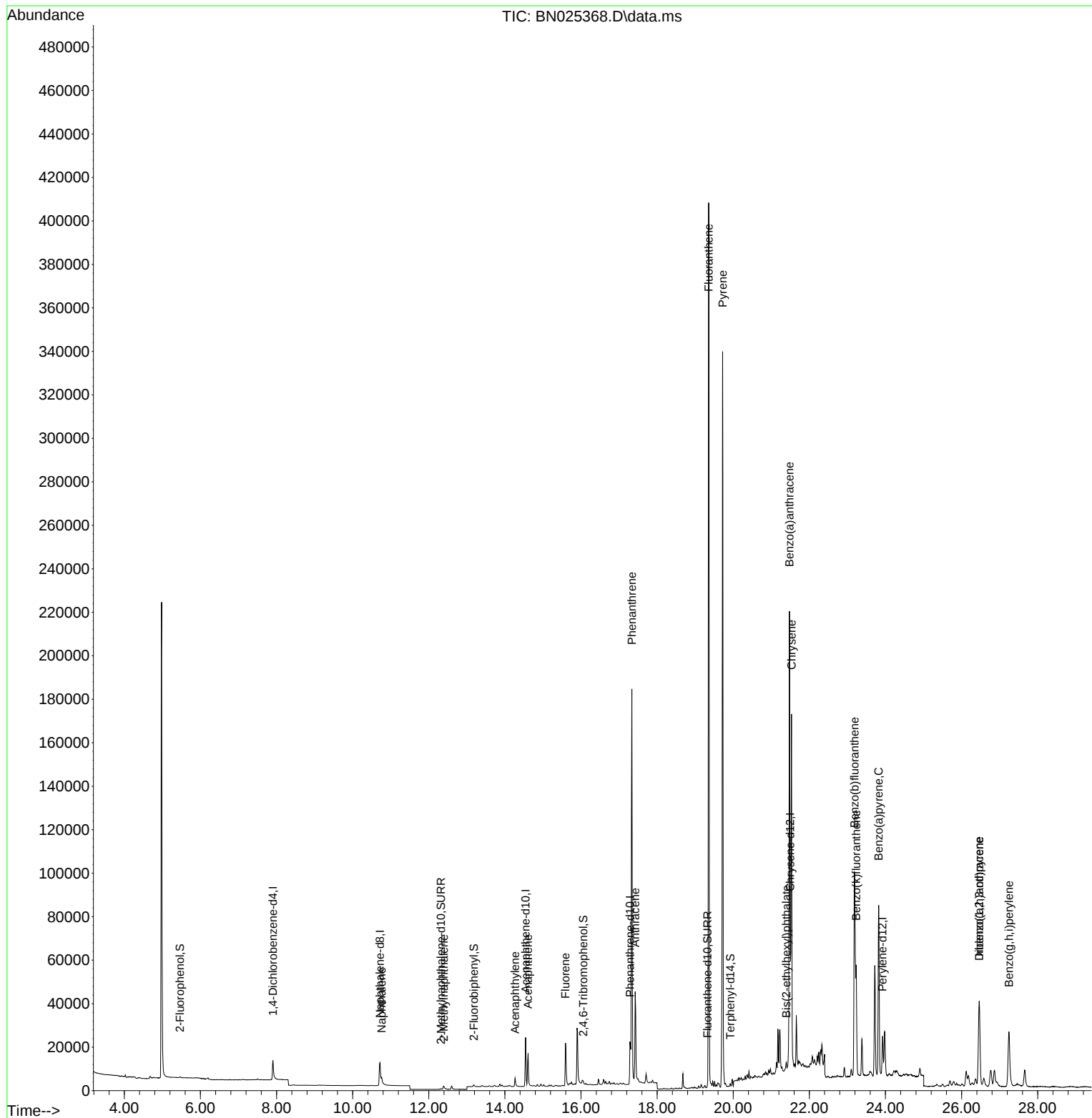
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050923\
Data File : BN025368.D
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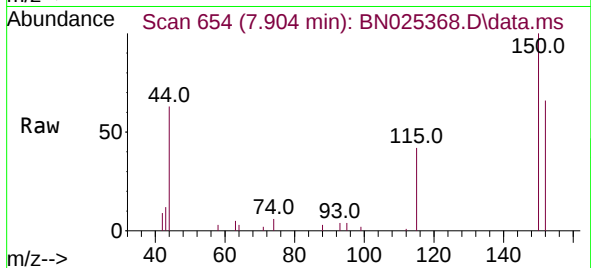
Reviewed By : Christian Giraldo 05/10/2023
Supervised By : Jagrut Upadhyay 05/10/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41

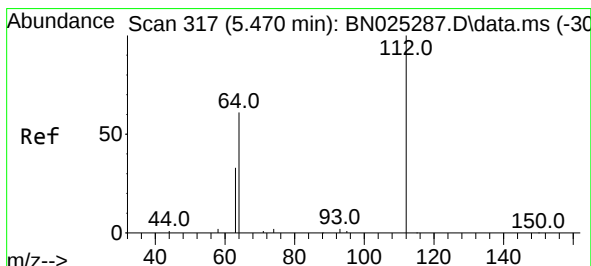
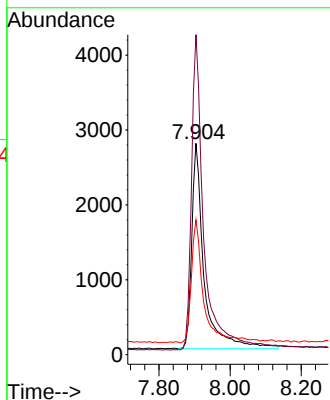
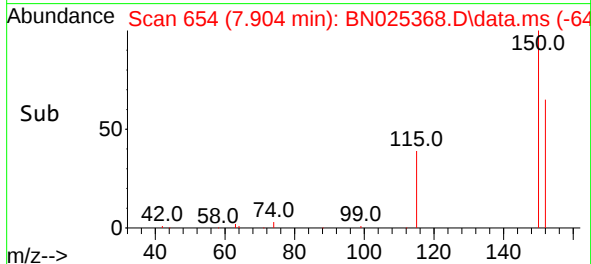
Instrument :
BNA_N
ClientSampleId :
ZONE-B-0-3-05012023DL



Tgt Ion:152 Resp: 6639
Ion Ratio Lower Upper
152 100
150 151.4 123.8 185.8
115 63.8 52.9 79.3

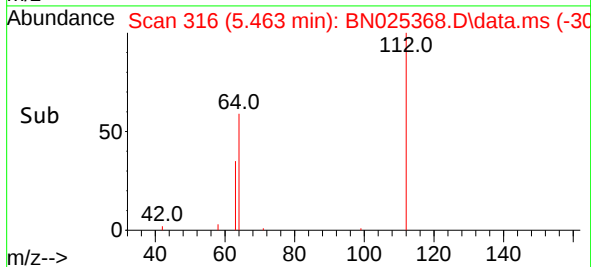
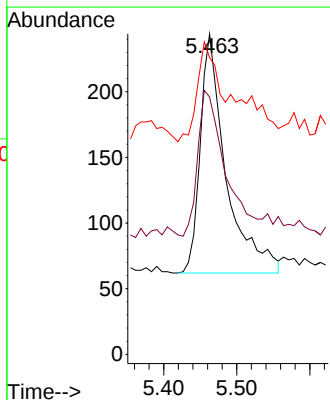
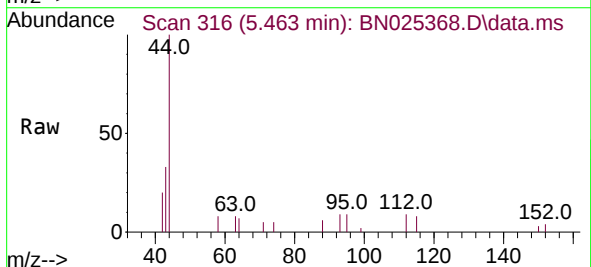
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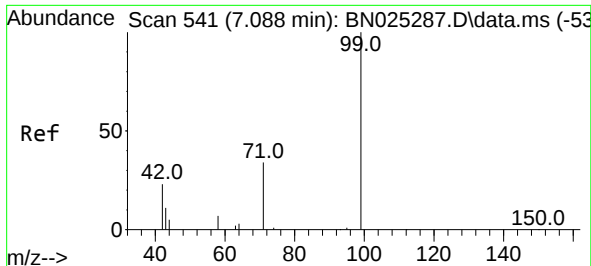
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#4
2-Fluorophenol
Concen: 0.028 ng
RT: 5.463 min Scan# 316
Delta R.T. 0.007 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41

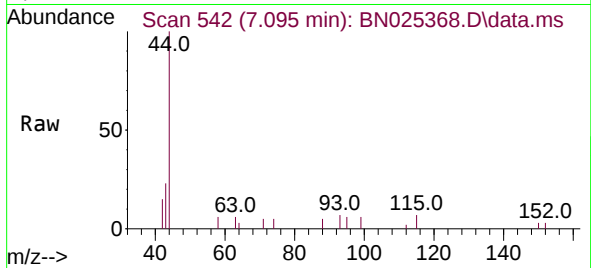
Tgt Ion:112 Resp: 445
Ion Ratio Lower Upper
112 100
64 66.3 51.5 77.3
63 33.7 27.8 41.6





#5
Phenol-d6
Concen: 0.019 ng
RT: 7.095 min Scan# 541
Delta R.T. 0.022 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41

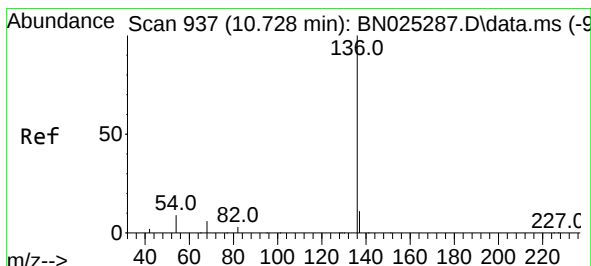
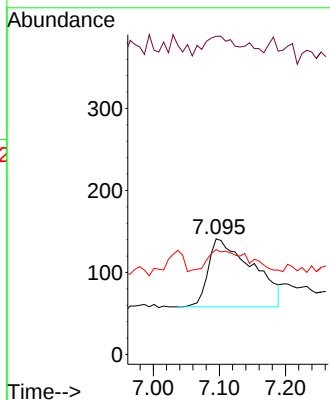
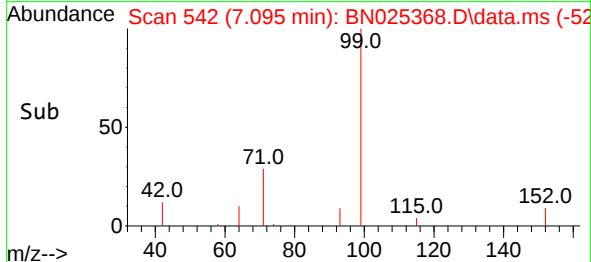
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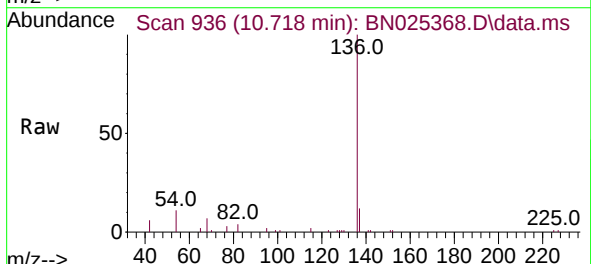
Tgt Ion: 99 Resp: 380
Ion Ratio Lower Upper
99 100
42 19.2 22.0 33.0
71 29.5 28.7 43.1

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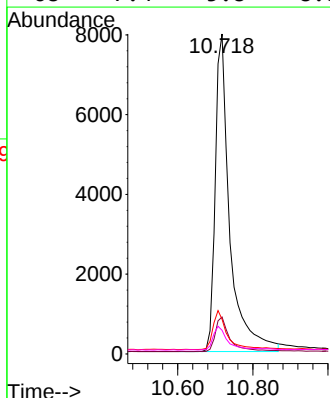
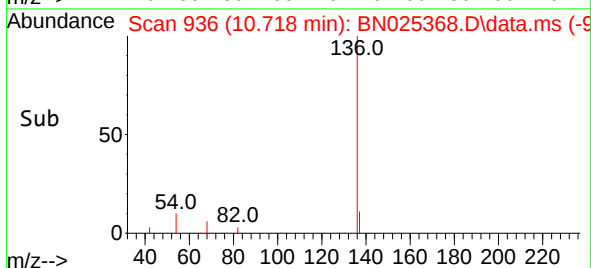
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023

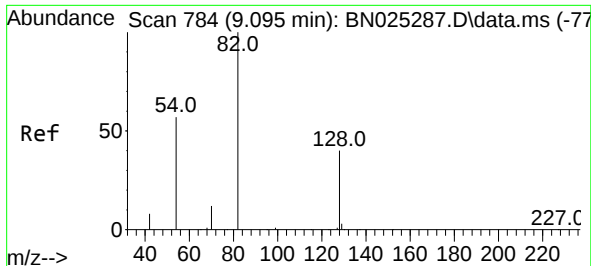


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.718 min Scan# 936
Delta R.T. 0.011 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41



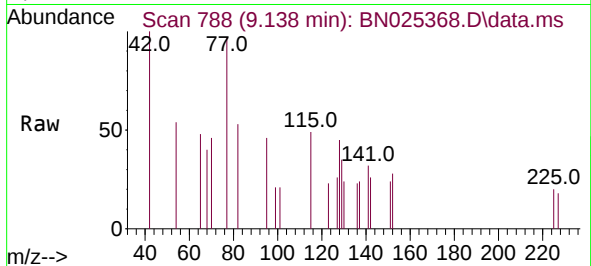
Tgt Ion:136 Resp: 21483
Ion Ratio Lower Upper
136 100
137 11.5 9.4 14.2
54 10.9 8.5 12.7
68 7.4 5.8 8.8





#8
Nitrobenzene-d5
Concen: 0.013 ng
RT: 9.138 min Scan# 71
Delta R.T. 0.064 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41

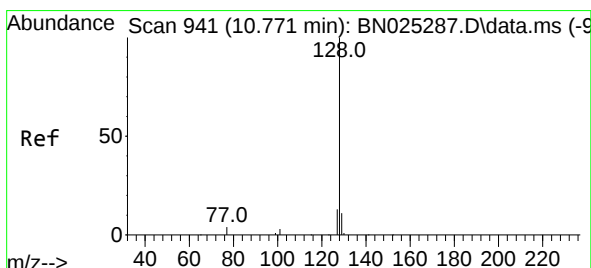
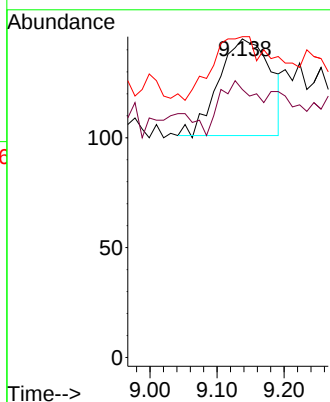
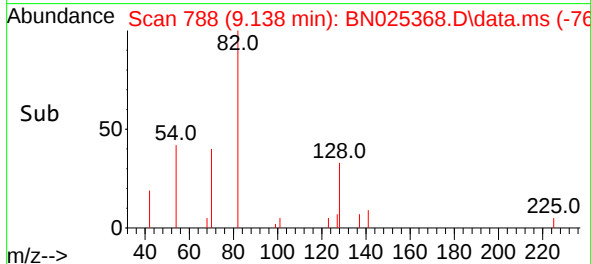
Instrument :
BNA_N
ClientSampleId :
ZONE-B-0-3-05012023DL



Tgt Ion: 82 Resp: 238
Ion Ratio Lower Upper
82 100
128 84.1 35.3 52.9
54 100.7 48.7 73.1

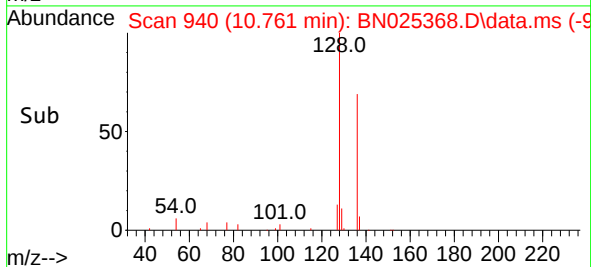
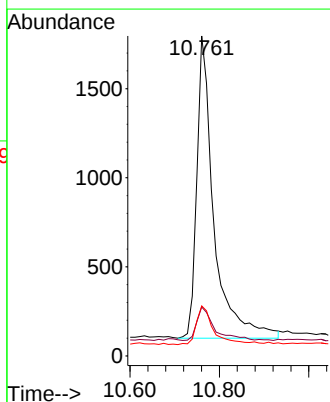
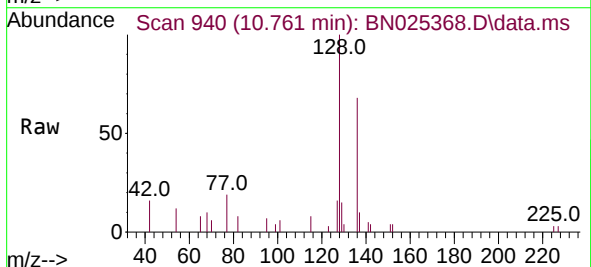
Manual Integrations
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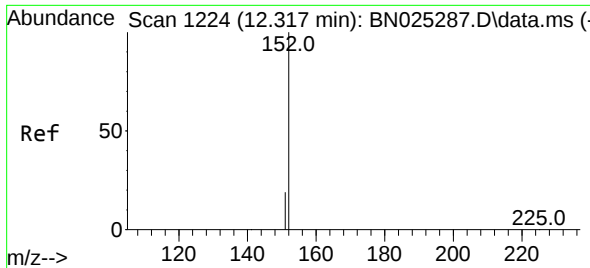
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#9
Naphthalene
Concen: 0.082 ng
RT: 10.761 min Scan# 940
Delta R.T. 0.000 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41

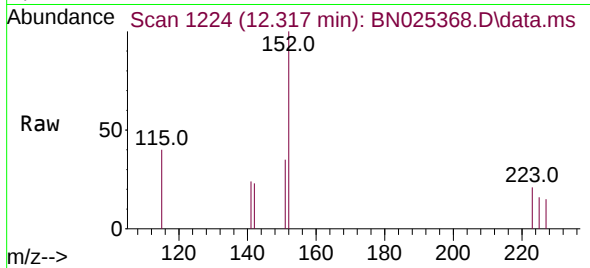
Tgt Ion:128 Resp: 4507
Ion Ratio Lower Upper
128 100
129 15.3 9.4 14.2
127 15.6 11.0 16.6





#11
2-Methylnaphthalene-d10
Concen: 0.025 ng
RT: 12.317 min Scan# 11
Delta R.T. 0.015 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41

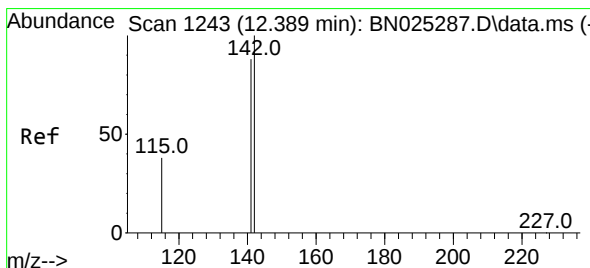
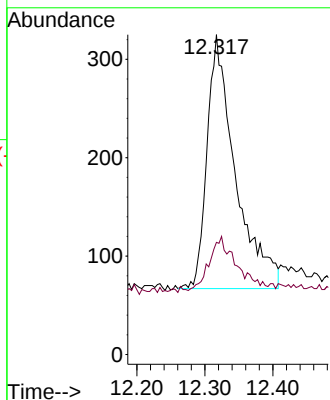
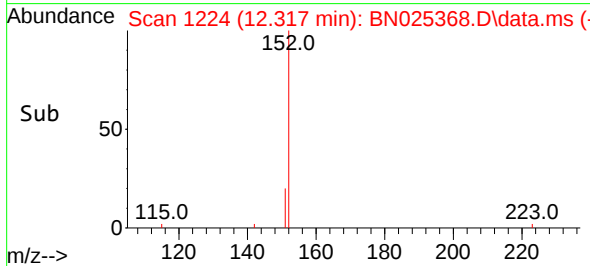
Instrument :
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ClientSampleId :
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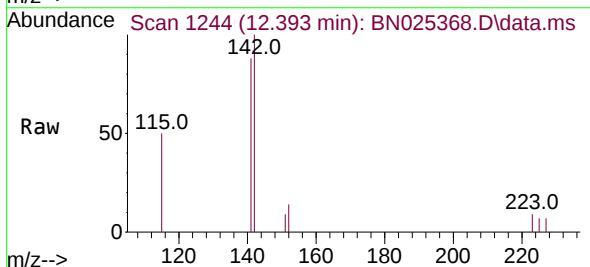
Tgt Ion:152 Resp: 749
Ion Ratio Lower Upper
152 100
151 17.7 16.4 24.6

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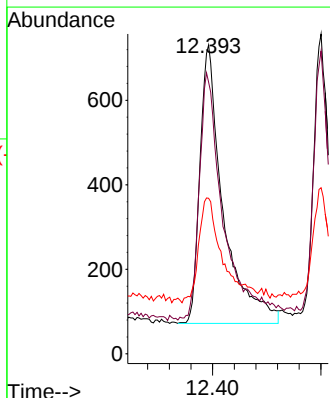
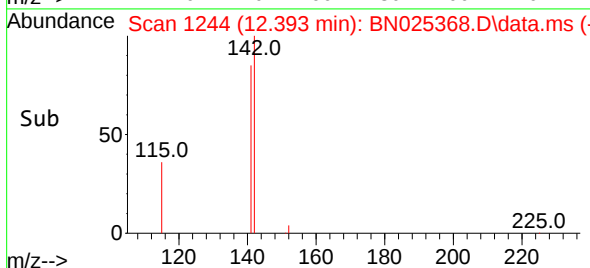
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023

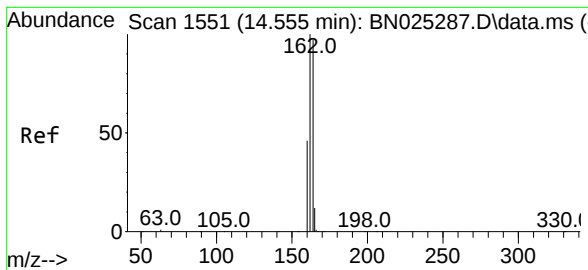


#12
2-Methylnaphthalene
Concen: 0.051 ng
RT: 12.393 min Scan# 1244
Delta R.T. 0.015 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41



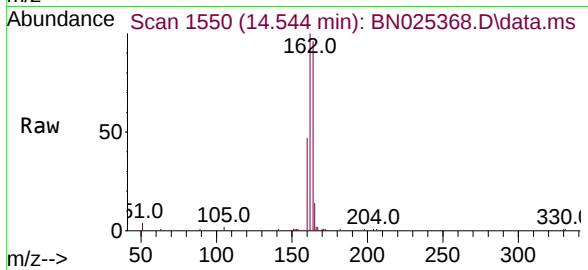
Tgt Ion:142 Resp: 1971
Ion Ratio Lower Upper
142 100
141 88.0 70.5 105.7
115 50.3 31.6 47.4#





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.544 min Scan# 1551
Delta R.T. 0.000 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41

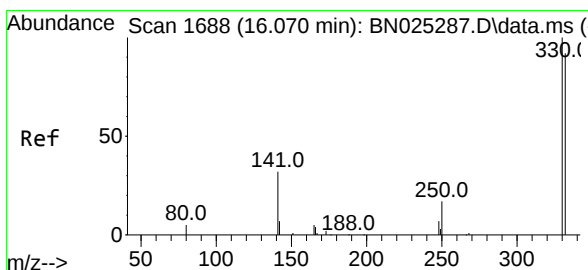
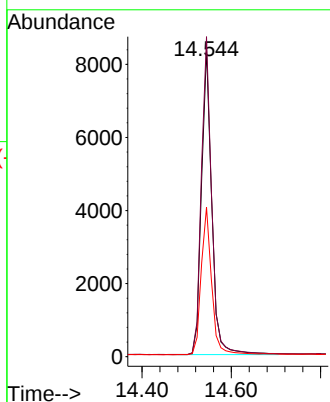
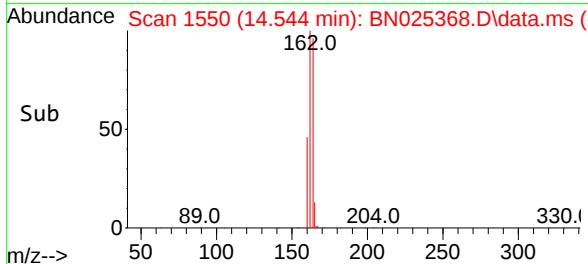
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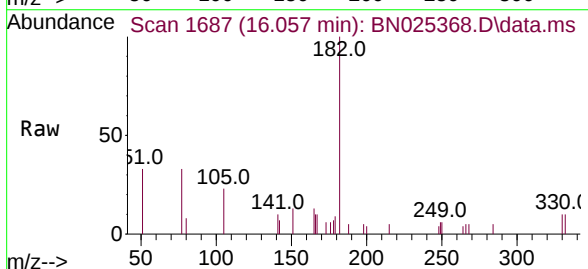
Tgt Ion:164 Resp: 13370
Ion Ratio Lower Upper
164 100
162 104.3 82.1 123.1
160 48.7 38.3 57.5

Manual Integrations
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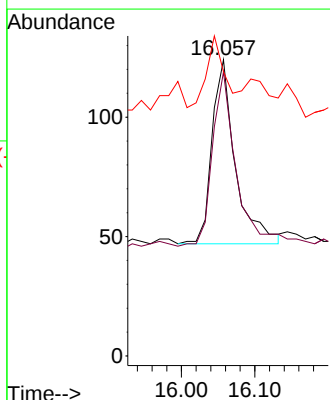
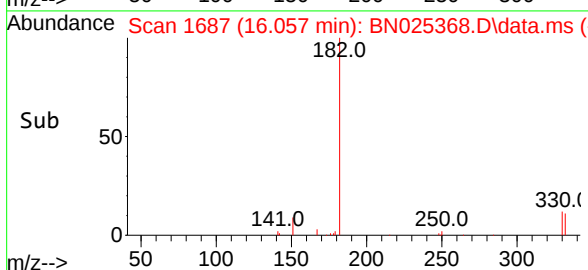
Reviewed By :Christian Giraldo 05/10/2023
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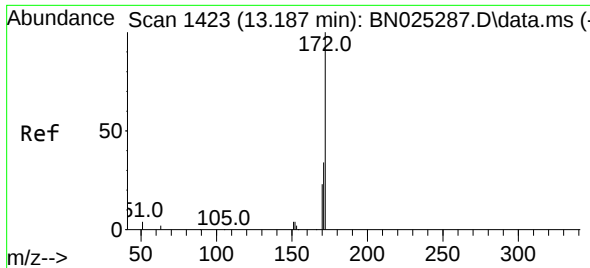


#14
2,4,6-Tribromophenol
Concen: 0.025 ng
RT: 16.057 min Scan# 1687
Delta R.T. 0.013 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41



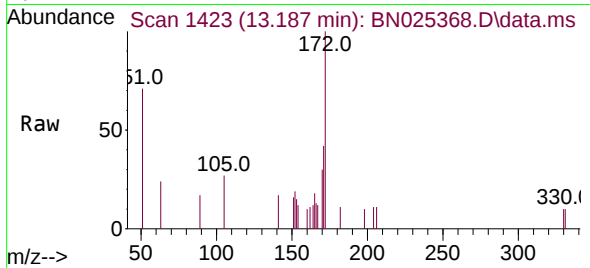
Tgt Ion:330 Resp: 170
Ion Ratio Lower Upper
330 100
332 97.1 77.4 116.0
141 28.2 28.9 43.3#





#15
2-Fluorobiphenyl
Concen: 0.024 ng
RT: 13.187 min Scan# 1423
Delta R.T. 0.011 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41

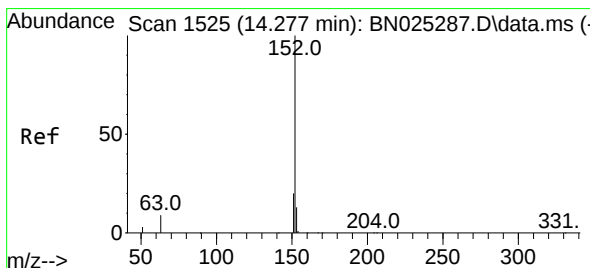
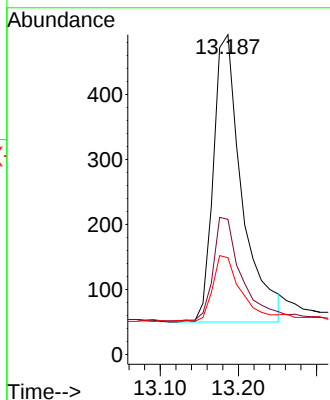
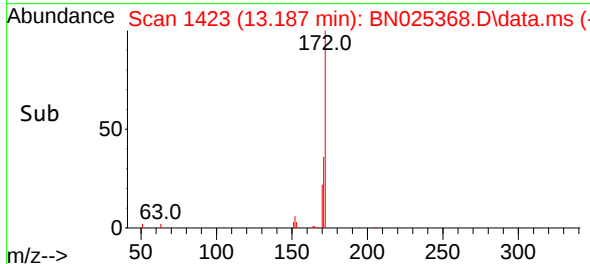
Instrument :
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ZONE-B-0-3-05012023DL



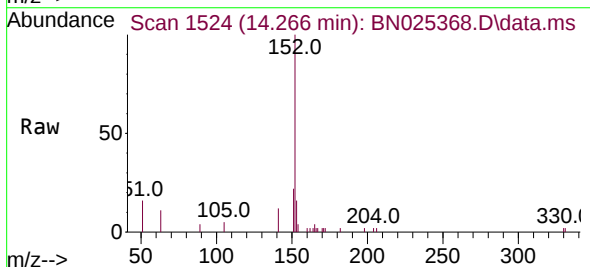
Tgt Ion:172 Resp: 112
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172 100
171 42.3 27.9 41.9
170 30.3 19.0 28.4

Manual Integrations
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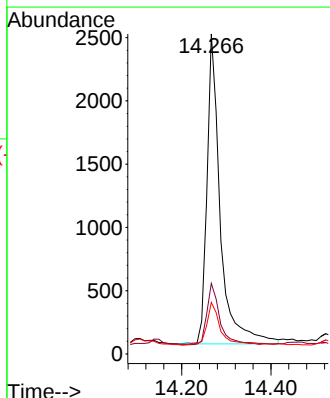
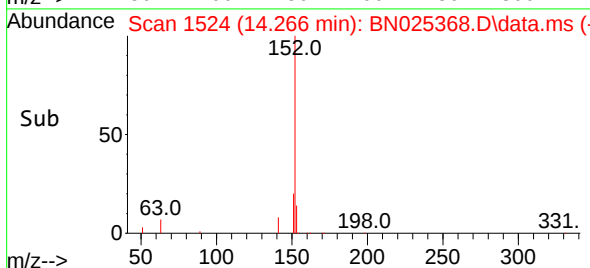
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023

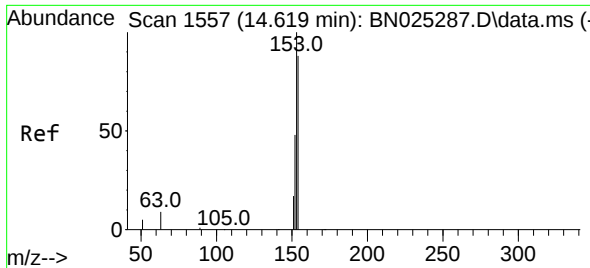


#16
Acenaphthylene
Concen: 0.084 ng
RT: 14.266 min Scan# 1524
Delta R.T. 0.000 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41



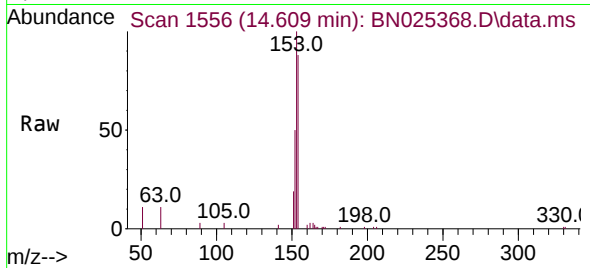
Tgt Ion:152 Resp: 5057
Ion Ratio Lower Upper
152 100
151 19.5 16.1 24.1
153 14.3 10.3 15.5





#17
Acenaphthene
Concen: 0.223 ng
RT: 14.609 min Scan# 1556
Delta R.T. 0.000 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41

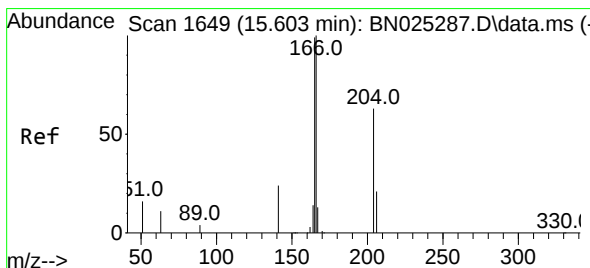
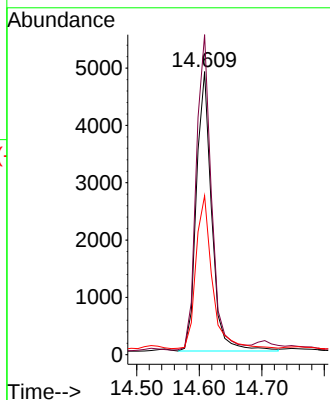
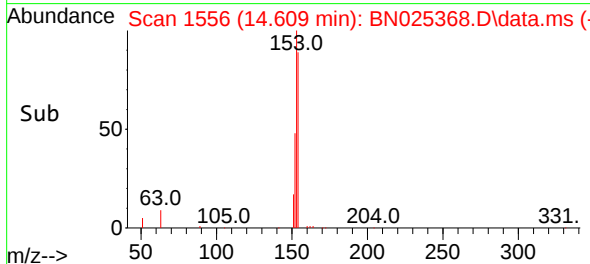
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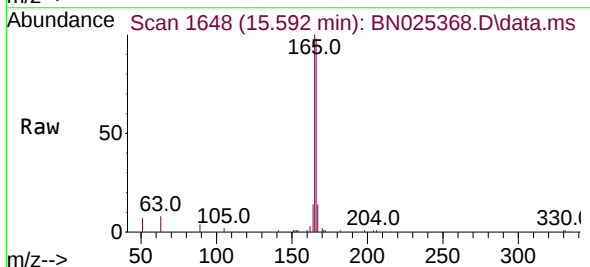
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Ion Ratio Lower Upper
154 100
153 111.7 91.3 136.9
152 58.3 44.7 67.1

Manual Integrations
APPROVED

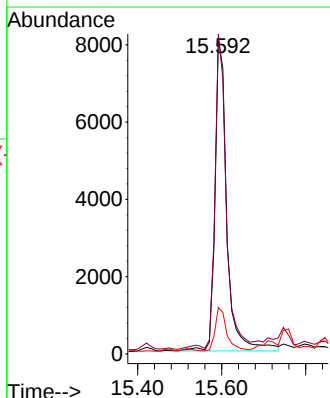
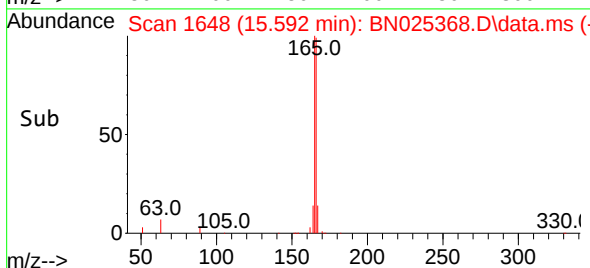
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023

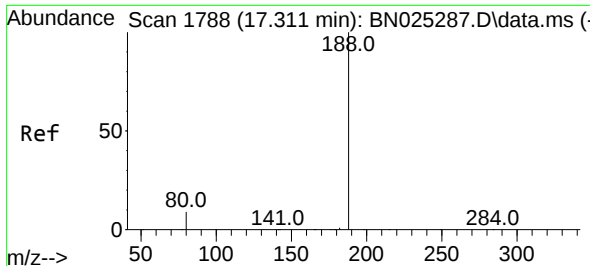


#18
Fluorene
Concen: 0.313 ng
RT: 15.592 min Scan# 1648
Delta R.T. 0.000 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41



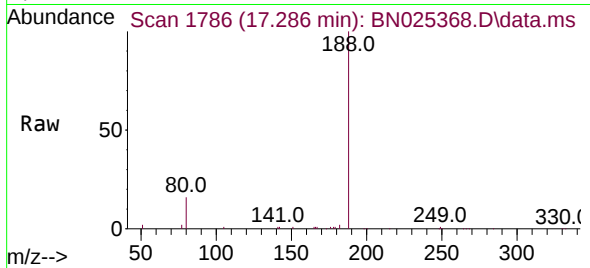
Tgt Ion:166 Resp: 15952
Ion Ratio Lower Upper
166 100
165 96.1 79.0 118.4
167 13.6 10.3 15.5





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.286 min Scan# 1788
Delta R.T. -0.012 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41

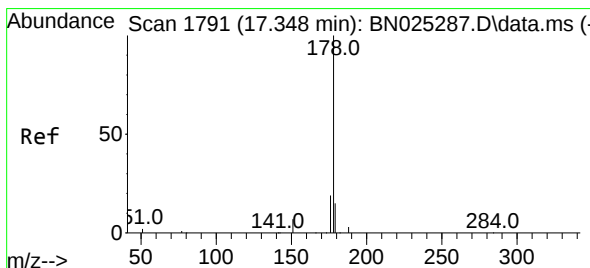
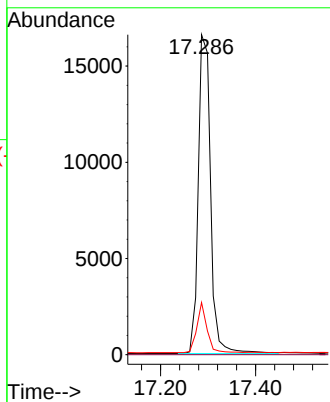
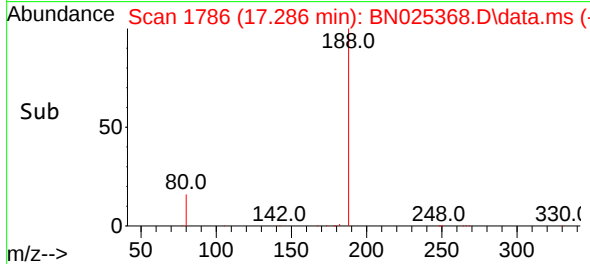
Instrument :
BNA_N
ClientSampleId :
ZONE-B-0-3-05012023DL



Tgt Ion:188 Resp: 2989
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 16.3 8.0 12.0

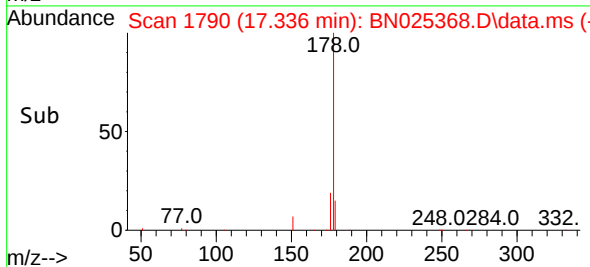
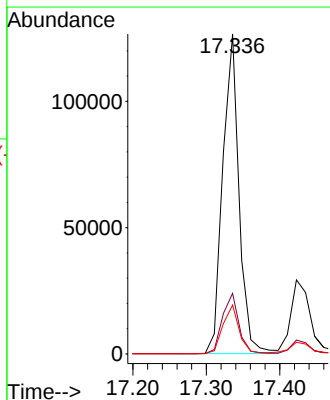
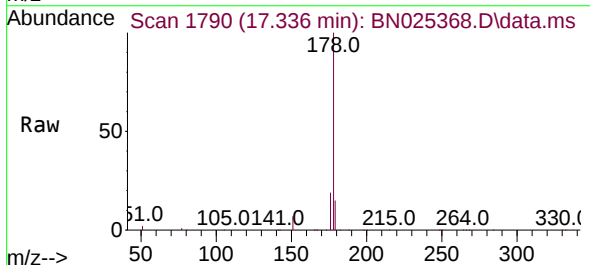
Manual Integrations
APPROVED

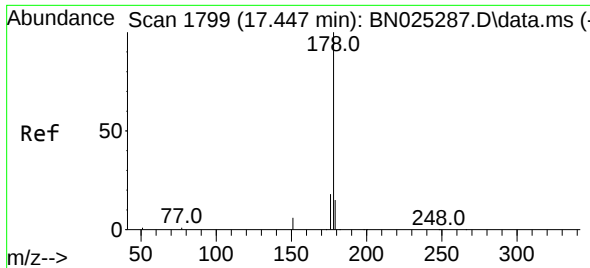
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#25
Phenanthrene
Concen: 2.362 ng
RT: 17.336 min Scan# 1790
Delta R.T. 0.000 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41

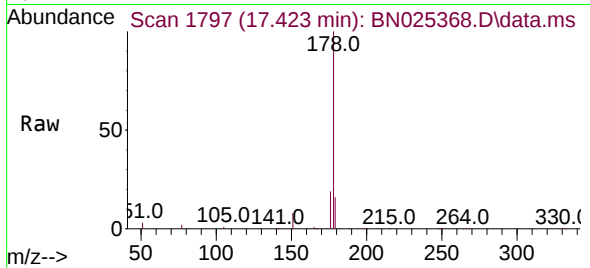
Tgt Ion:178 Resp: 195368
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 15.3 12.4 18.6





#26
 Anthracene
 Concen: 0.688 ng
 RT: 17.423 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BN025368.D
 Acq: 09 May 2023 15:41

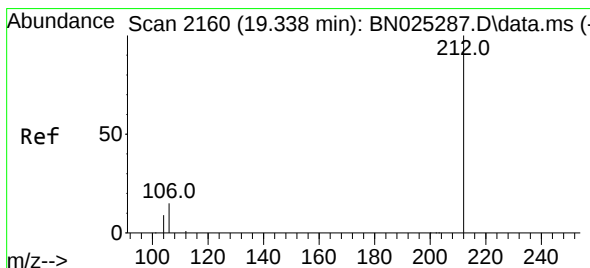
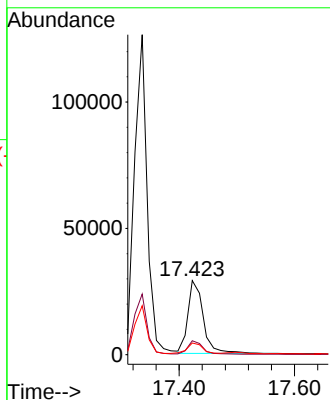
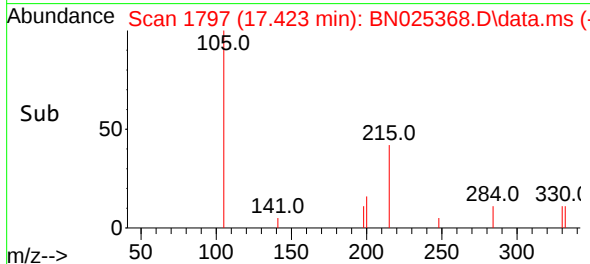
Instrument :
 BNA_N
 ClientSampleId :
 ZONE-B-0-3-05012023DL



Tgt Ion:178 Resp: 53338
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.9 22.3
 179 13.8 12.0 18.0

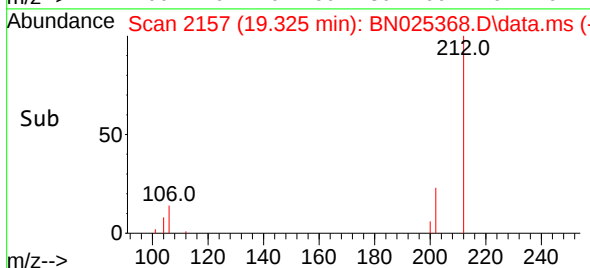
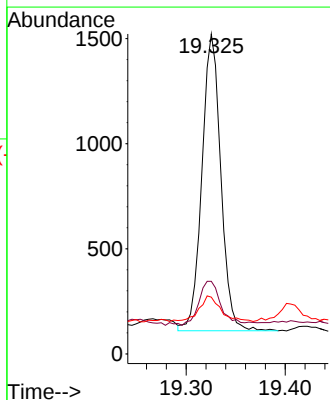
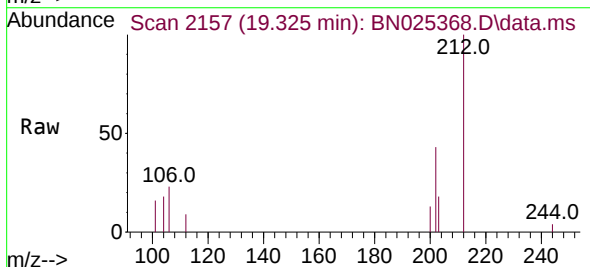
Manual Integrations
 APPROVED

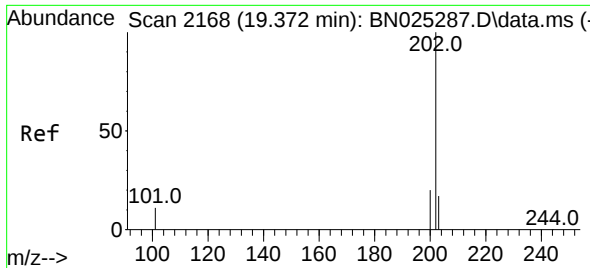
Reviewed By :Christian Giraldo 05/10/2023
 Supervised By :Jagrut Upadhyay 05/10/2023



#27
 Fluoranthene-d10
 Concen: 0.025 ng
 RT: 19.325 min Scan# 2157
 Delta R.T. -0.004 min
 Lab File: BN025368.D
 Acq: 09 May 2023 15:41

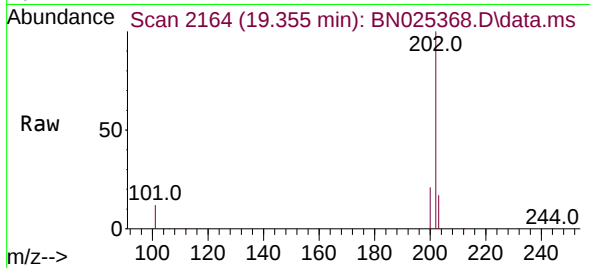
Tgt Ion:212 Resp: 1875
 Ion Ratio Lower Upper
 212 100
 106 17.0 12.6 19.0
 104 10.2 7.0 10.6





#28
Fluoranthene
Concen: 3.581 ng
RT: 19.355 min Scan# 2164
Delta R.T. -0.004 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41

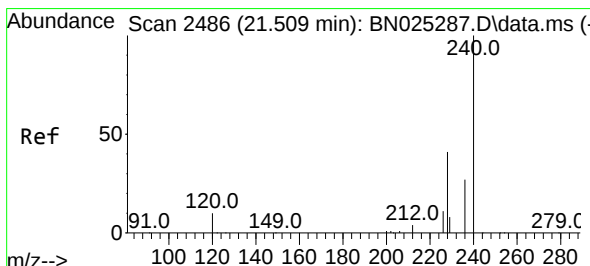
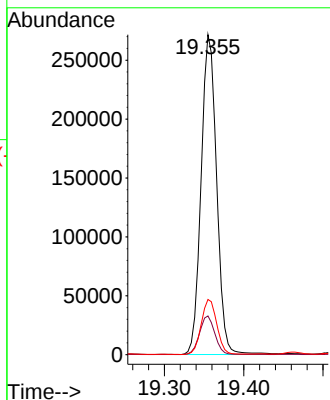
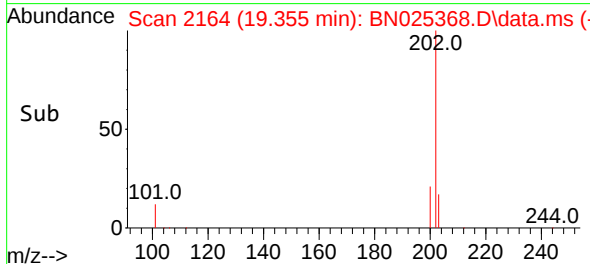
Instrument :
BNA_N
ClientSampleId :
ZONE-B-0-3-05012023DL



Tgt Ion:202 Resp: 37012
Ion Ratio Lower Upper
202 100
101 12.0 9.8 14.8
203 17.2 13.5 20.3

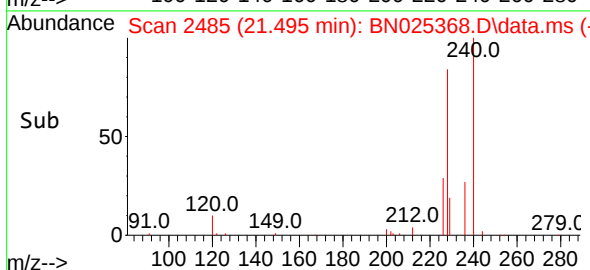
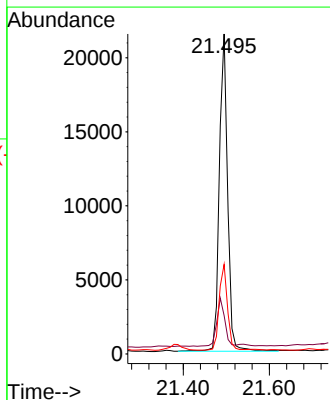
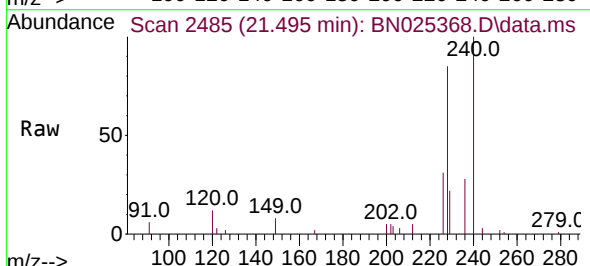
Manual Integrations
APPROVED

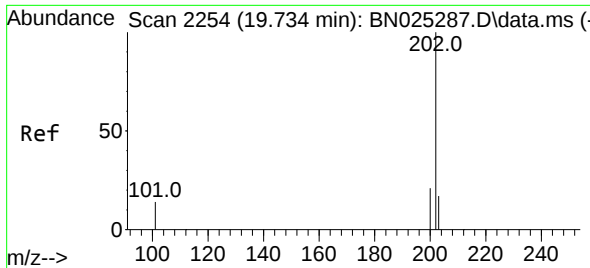
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.495 min Scan# 2485
Delta R.T. 0.009 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41

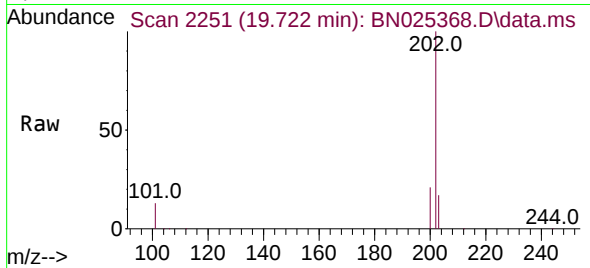
Tgt Ion:240 Resp: 28294
Ion Ratio Lower Upper
240 100
120 12.0 10.3 15.5
236 28.0 22.3 33.5





#30
Pyrene
Concen: 3.120 ng
RT: 19.722 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41

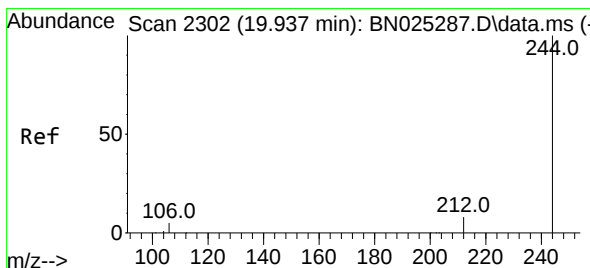
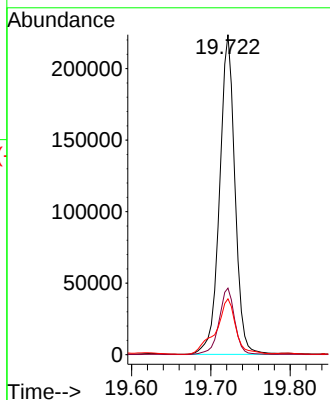
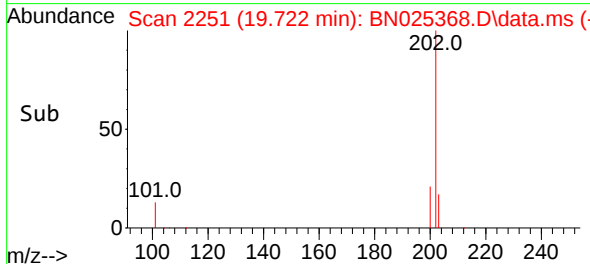
Instrument :
BNA_N
ClientSampleId :
ZONE-B-0-3-05012023DL



Tgt Ion:202 Resp: 30182
Ion Ratio Lower Upper
202 100
200 21.2 16.8 25.2
203 22.3 14.4 21.6

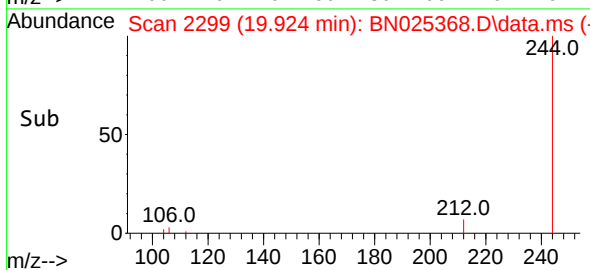
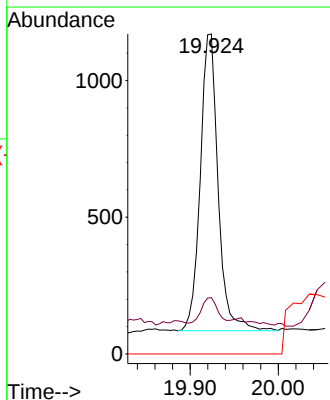
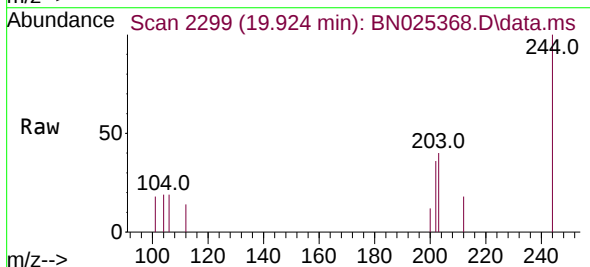
Manual Integrations
APPROVED

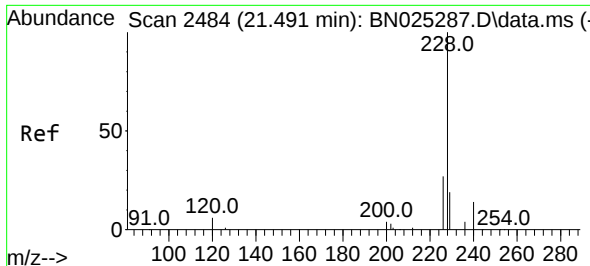
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#31
Terphenyl-d14
Concen: 0.027 ng
RT: 19.924 min Scan# 2299
Delta R.T. 0.000 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41

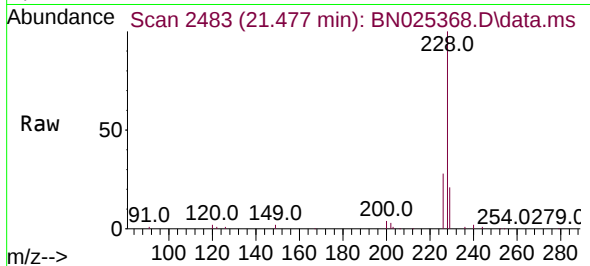
Tgt Ion:244 Resp: 1528
Ion Ratio Lower Upper
244 100
212 17.6 7.1 10.7#
122 0.0 0.0 0.0





#32
Benzo(a)anthracene
Concen: 1.831 ng
RT: 21.477 min Scan# 2483
Delta R.T. 0.009 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41

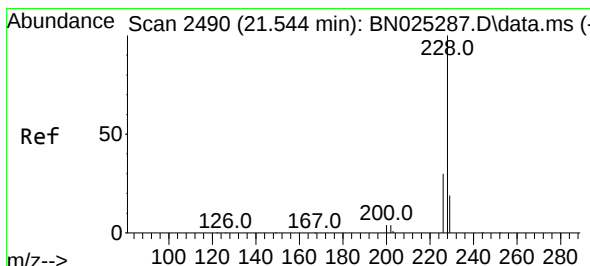
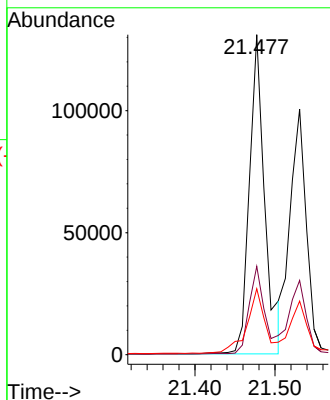
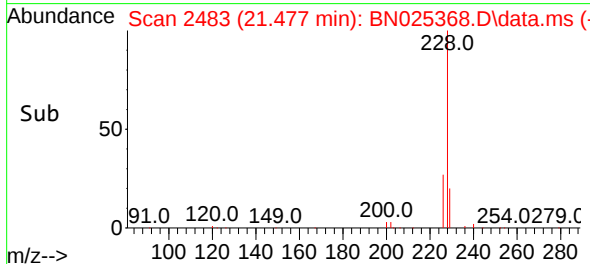
Instrument :
BNA_N
ClientSampleId :
ZONE-B-0-3-05012023DL



Tgt Ion:228 Resp: 17506
Ion Ratio Lower Upper
228 100
226 27.6 22.5 33.7
229 20.6 16.2 24.2

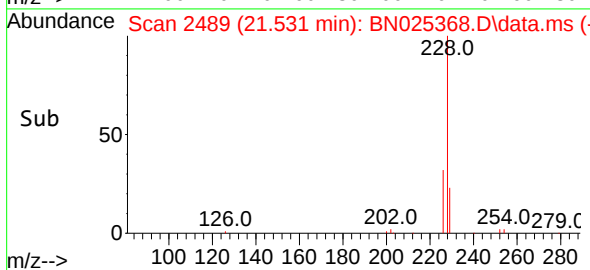
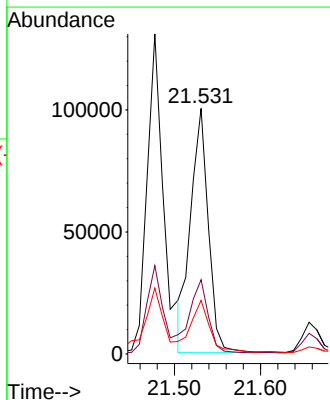
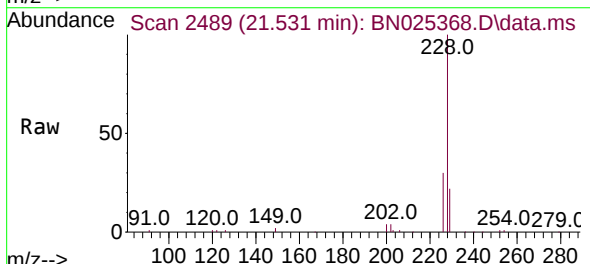
Manual Integrations
APPROVED

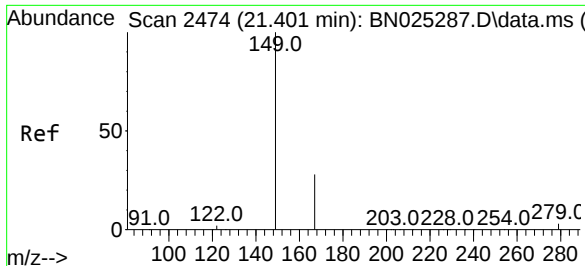
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#33
Chrysene
Concen: 1.501 ng
RT: 21.531 min Scan# 2489
Delta R.T. 0.009 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41

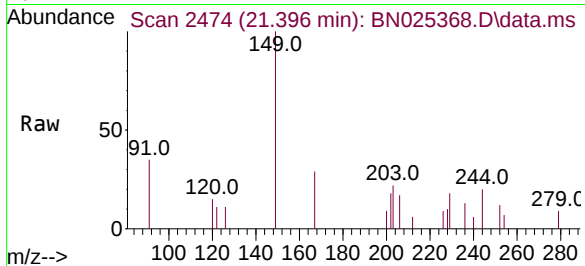
Tgt Ion:228 Resp: 142859
Ion Ratio Lower Upper
228 100
226 30.2 24.6 36.8
229 21.8 16.2 24.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.036 ng
RT: 21.396 min Scan# 2474
Delta R.T. 0.018 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41

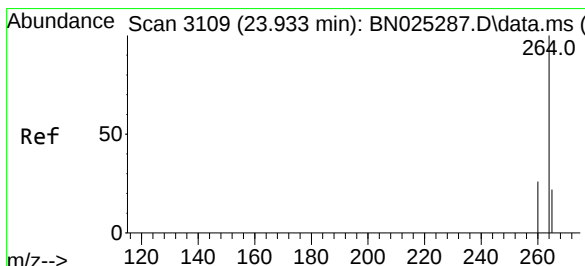
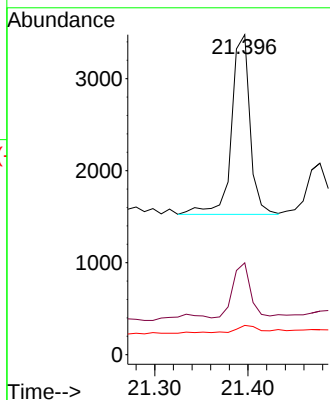
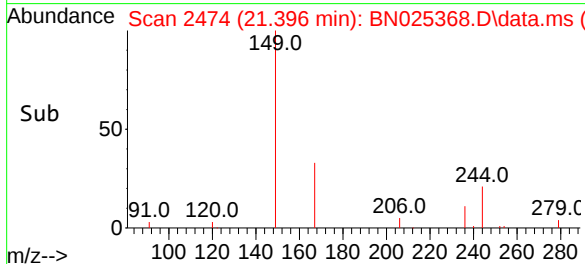
Instrument :
BNA_N
ClientSampleId :
ZONE-B-0-3-05012023DL



Tgt Ion:149 Resp: 2694
Ion Ratio Lower Upper
149 100
167 29.3 22.2 33.4
279 6.5 2.6 4.0

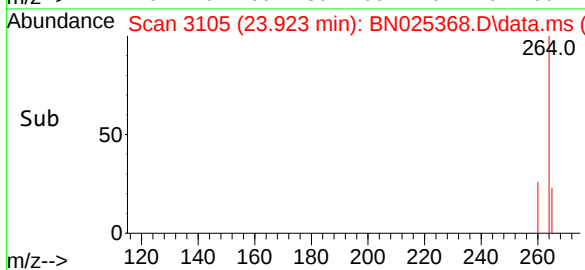
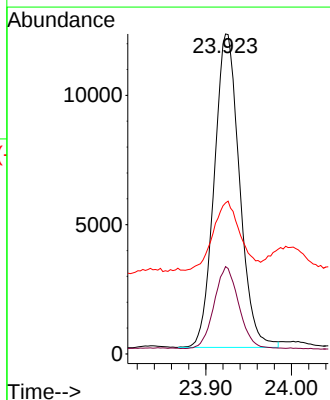
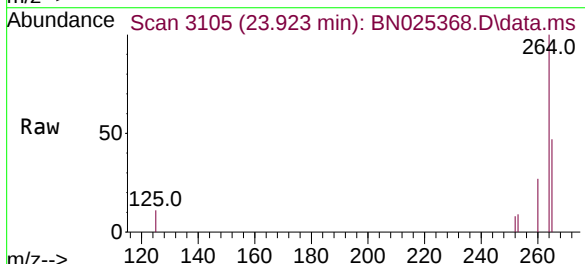
Manual Integrations
APPROVED

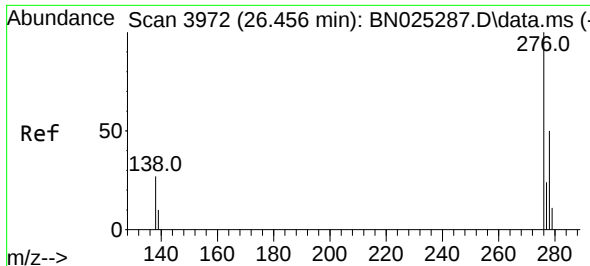
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.923 min Scan# 3105
Delta R.T. 0.012 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41

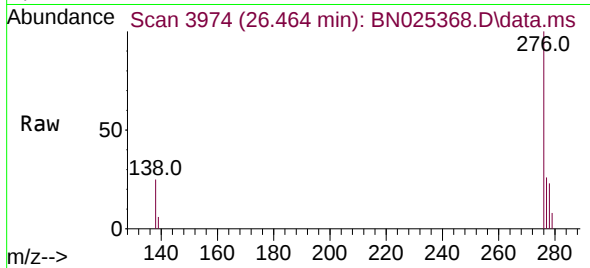
Tgt Ion:264 Resp: 24877
Ion Ratio Lower Upper
264 100
260 27.3 21.5 32.3
265 47.2 46.2 69.4





#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.610 ng
 RT: 26.464 min Scan# 3974
 Delta R.T. 0.006 min
 Lab File: BN025368.D
 Acq: 09 May 2023 15:41

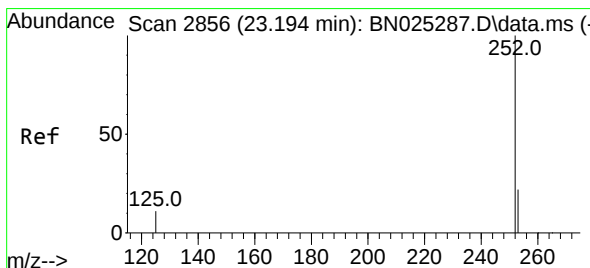
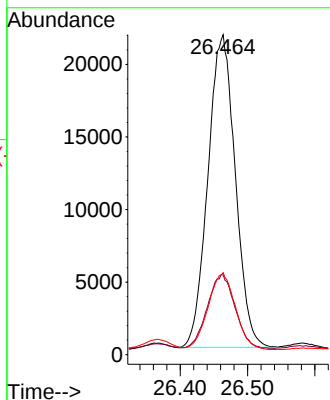
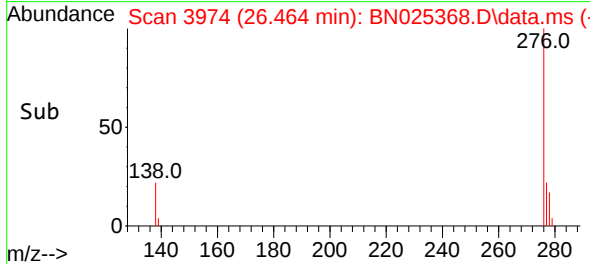
Instrument :
 BNA_N
 ClientSampleId :
 ZONE-B-0-3-05012023DL



Tgt Ion:276 Resp: 60790
 Ion Ratio Lower Upper
 276 100
 138 23.9 22.5 33.7
 277 24.6 19.8 29.6

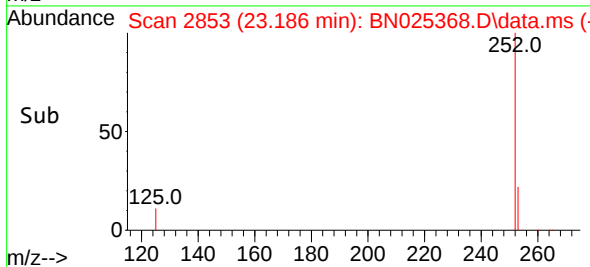
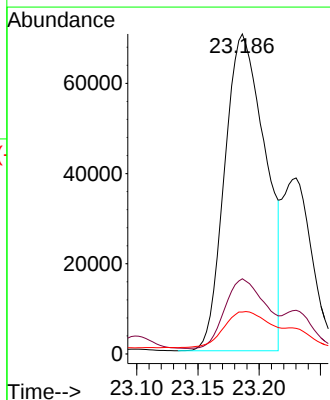
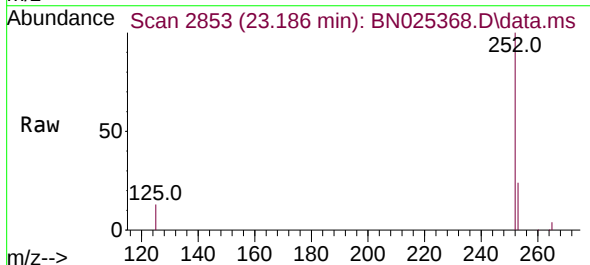
Manual Integrations
 APPROVED

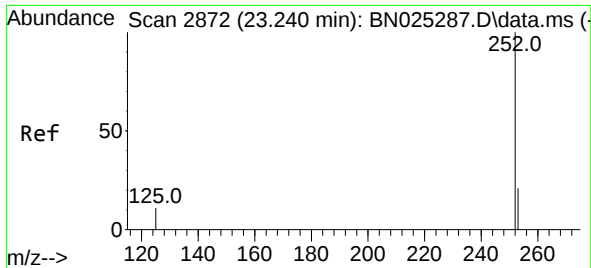
Reviewed By :Christian Giraldo 05/10/2023
 Supervised By :Jagrut Upadhyay 05/10/2023



#37
 Benzo(b)fluoranthene
 Concen: 2.060 ng
 RT: 23.186 min Scan# 2853
 Delta R.T. 0.015 min
 Lab File: BN025368.D
 Acq: 09 May 2023 15:41

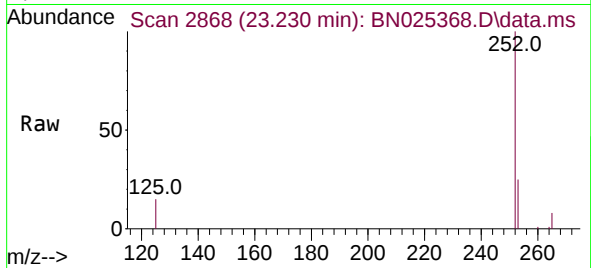
Tgt Ion:252 Resp: 162428
 Ion Ratio Lower Upper
 252 100
 253 23.5 20.8 31.2
 125 13.1 13.4 20.2#





#38
Benzo(k)fluoranthene
Concen: 0.781 ng m
RT: 23.230 min Scan# 21
Delta R.T. 0.012 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41

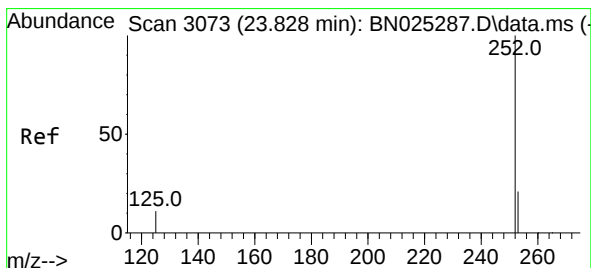
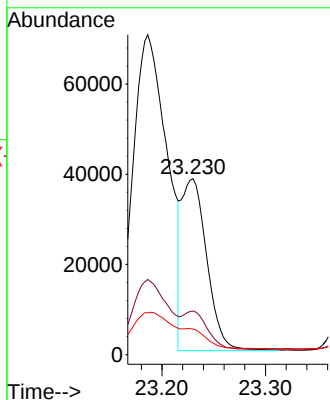
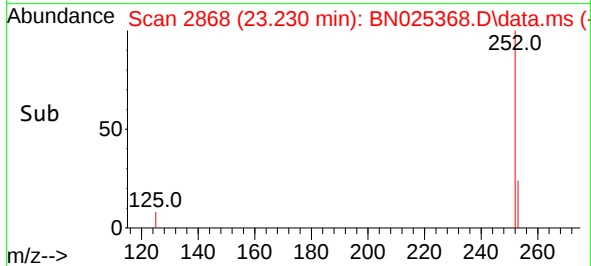
Instrument :
BNA_N
ClientSampleId :
ZONE-B-0-3-05012023DL



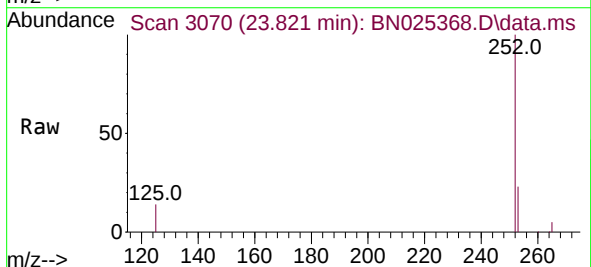
Tgt Ion:252 Resp: 6448
Ion Ratio Lower Upper
252 100
253 24.8 20.6 30.8
125 14.5 13.1 19.7

Manual Integrations
APPROVED

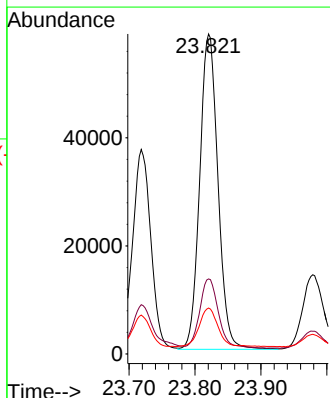
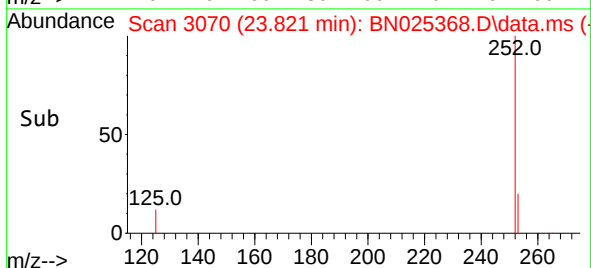
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023

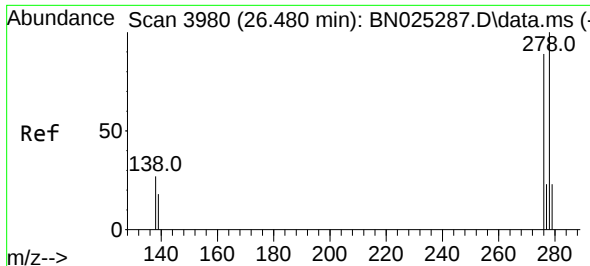


#39
Benzo(a)pyrene
Concen: 1.385 ng m
RT: 23.821 min Scan# 3070
Delta R.T. 0.009 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41



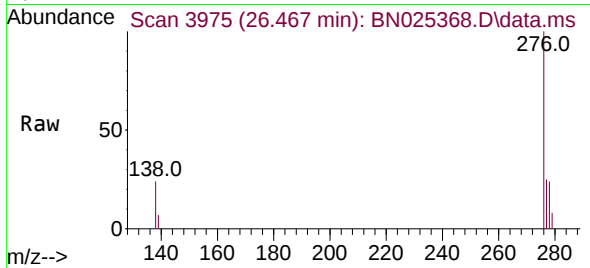
Tgt Ion:252 Resp: 111917
Ion Ratio Lower Upper
252 100
253 23.4 21.4 32.0
125 14.3 15.4 23.2#





#40
Dibenzo(a,h)anthracene
Concen: 0.201 ng
RT: 26.467 min Scan# 3980
Delta R.T. -0.006 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41

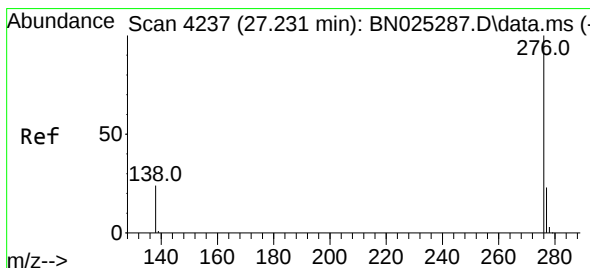
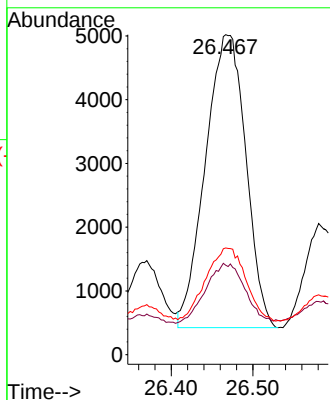
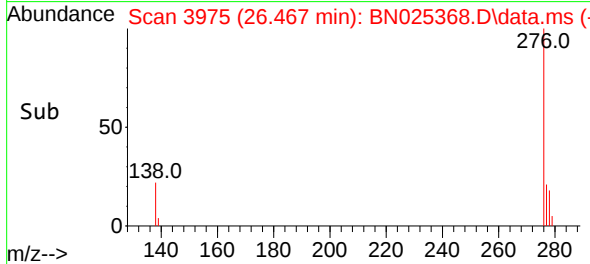
Instrument :
BNA_N
ClientSampleId :
ZONE-B-0-3-05012023DL



Tgt Ion:278 Resp: 15812
Ion Ratio Lower Upper
278 100
139 28.0 17.6 26.4
279 33.3 21.6 32.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#41
Benzo(g,h,i)perylene
Concen: 0.633 ng
RT: 27.244 min Scan# 4241
Delta R.T. 0.009 min
Lab File: BN025368.D
Acq: 09 May 2023 15:41

Tgt Ion:276 Resp: 54784
Ion Ratio Lower Upper
276 100
277 25.1 20.1 30.1
138 25.5 21.0 31.6

