

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050823\
 Data File : BN025335.D
 Acq On : 08 May 2023 16:33
 Operator : CG/JU
 Sample : 02588-11
 Misc :
 ALS Vial : 8 Sample Multiplier: 50

Instrument :
 BNA_N
 ClientSampleId :
 ZONE-D-3-6-05022023

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/09/2023
 Supervised By : Jagrut Upadhyay 05/09/2023

Quant Time: May 09 04:02:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 08 18:27:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.904	152	323197	20.000	ng	0.00
7) Naphthalene-d8	10.707	136	1004908	20.000	ng	-0.01
13) Acenaphthene-d10	14.544	164	592638	20.000	ng	0.00
19) Phenanthrene-d10	17.298	188	1302828	20.000	ng	0.00
29) Chrysene-d12	21.495	240	1178011	20.000	ng	0.00
35) Perylene-d12	23.935	264	1145465	20.000	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.456	112	753456	47.888	ng	0.00
5) Phenol-d6	7.066	99	1083083	54.861	ng	0.00
8) Nitrobenzene-d5	9.063	82	549329	33.230	ng	-0.02
11) 2-Methylnaphthalene-d10	12.290	152	3	0.000	ng	-0.02
14) 2,4,6-Tribromophenol	16.045	330	325634	53.741	ng	-0.01
15) 2-Fluorobiphenyl	13.176	172	1170693	28.801	ng	0.00
27) Fluoranthene-d10	19.368	212	34	0.001	ng	0.03
31) Terphenyl-d14	19.924	244	1423582	29.967	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.761	128	9770	0.189	ng	98
12) 2-Methylnaphthalene	12.381	142	4936	0.135	ng	97
16) Acenaphthylene	14.266	152	16991	0.320	ng	99
17) Acenaphthene	14.609	154	8781	0.266	ng	99
18) Fluorene	15.603	166	14585	0.322	ng	# 99
25) Phenanthrene	17.336	178	252745	3.506	ng	100
26) Anthracene	17.435	178	60393	0.894	ng	97
28) Fluoranthene	19.363	202	513340	5.699	ng	99
30) Pyrene	19.726	202	458915	5.698	ng	# 96
32) Benzo(a)anthracene	21.477	228	261253	3.281	ng	98
33) Chrysene	21.531	228	240646	3.036	ng	98
34) Bis(2-ethylhexyl)phtha...	21.396	149	56571	0.905	ng	98
36) Indeno(1,2,3-cd)pyrene	26.472	276	119134	1.297	ng	96
37) Benzo(b)fluoranthene	23.195	252	305678	4.209	ng	96
38) Benzo(k)fluoranthene	23.236	252	99166m	1.304	ng	
39) Benzo(a)pyrene	23.829	252	203523	2.736	ng	95
40) Dibenzo(a,h)anthracene	26.487	278	29967	0.413	ng	# 77
41) Benzo(g,h,i)perylene	27.256	276	114710	1.440	ng	99

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

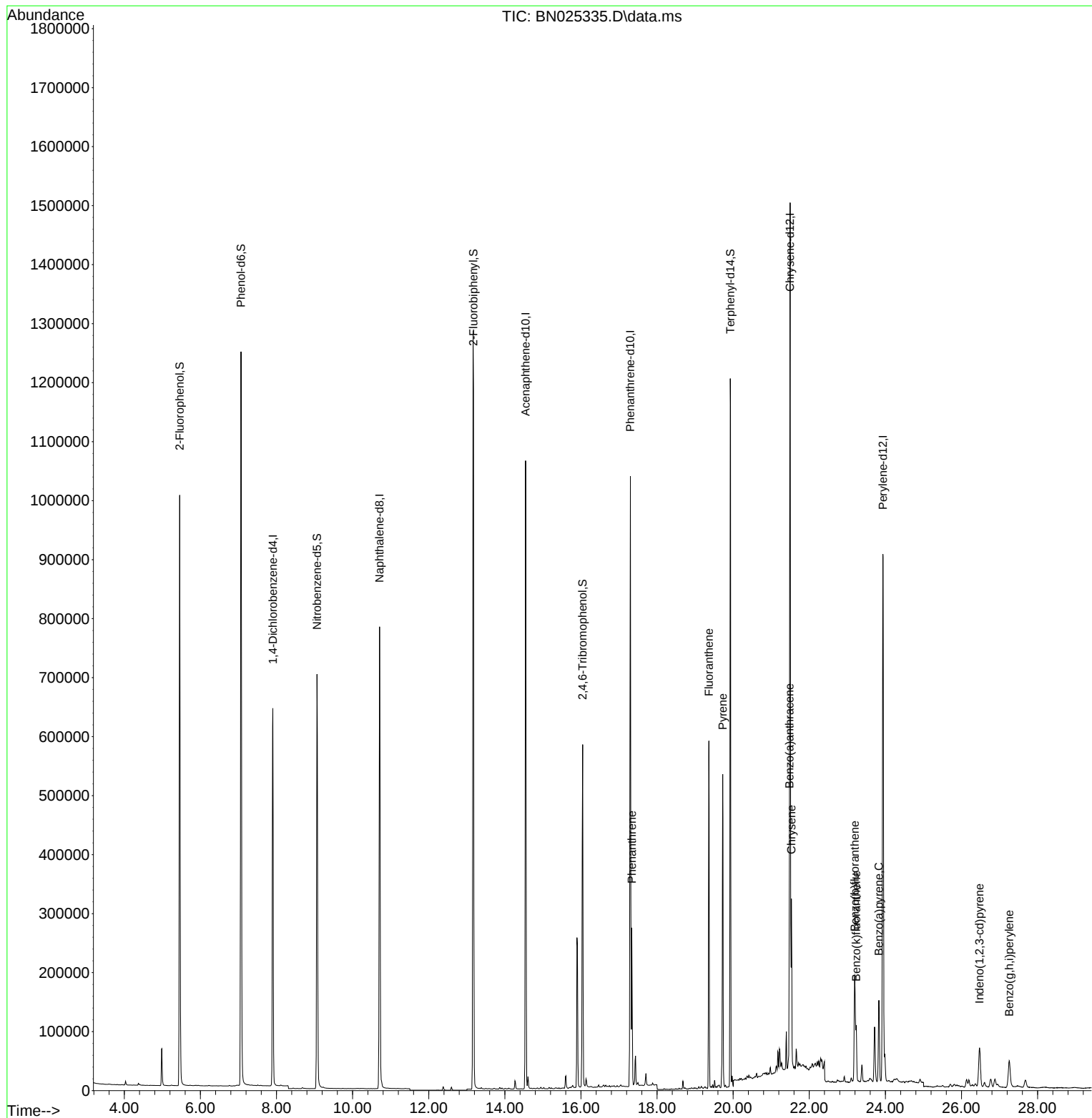
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050823\
Data File : BN025335.D
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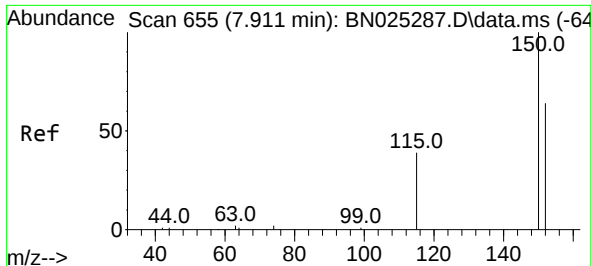
Instrument :
BNA_N
ClientSampleId :
ZONE-D-3-6-05022023

Quant Time: May 09 04:02:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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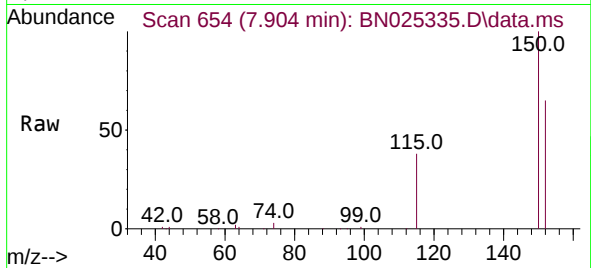
Reviewed By : Christian Giraldo 05/09/2023
Supervised By : Jagrut Upadhyay 05/09/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN025335.D
Acq: 08 May 2023 16:33

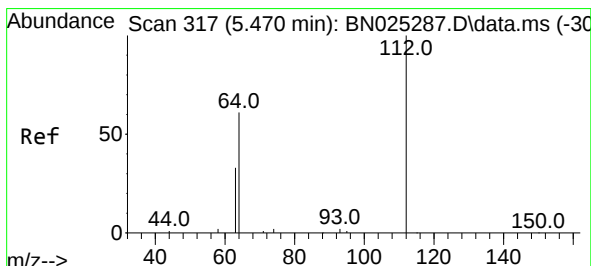
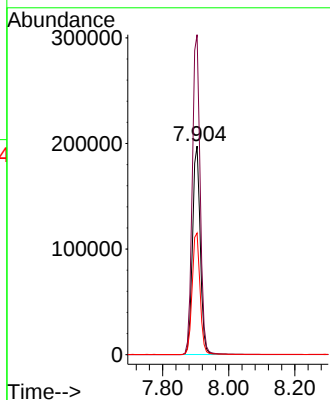
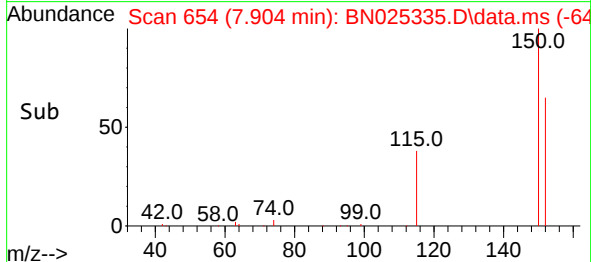
Instrument :
BNA_N
ClientSampleId :
ZONE-D-3-6-05022023



Tgt Ion:152 Resp: 323197
Ion Ratio Lower Upper
152 100
150 153.4 123.8 185.8
115 58.3 52.9 79.3

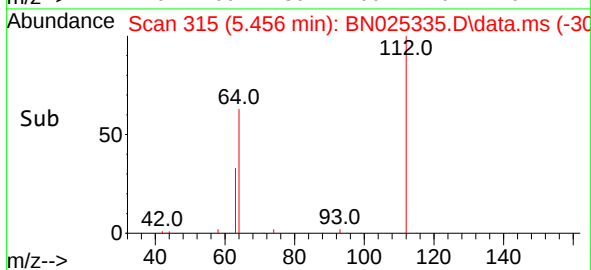
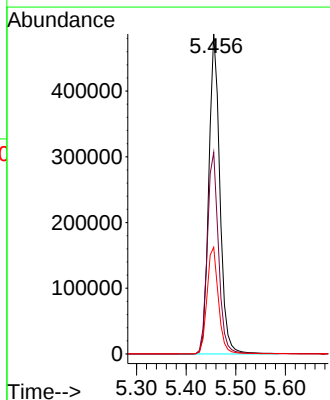
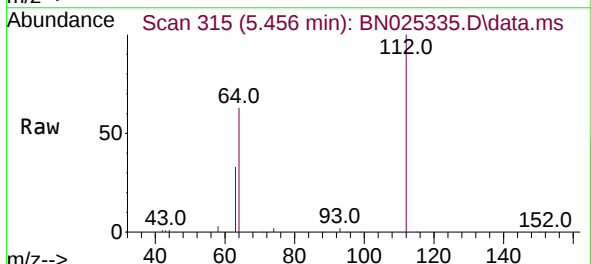
Manual Integrations
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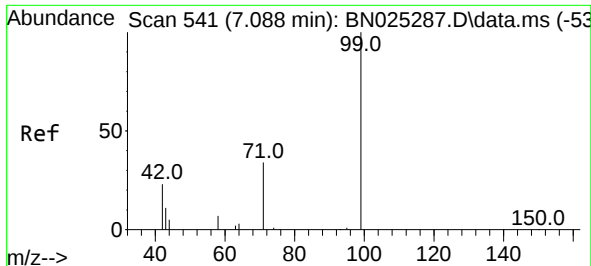
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



#4
2-Fluorophenol
Concen: 47.888 ng
RT: 5.456 min Scan# 315
Delta R.T. -0.007 min
Lab File: BN025335.D
Acq: 08 May 2023 16:33

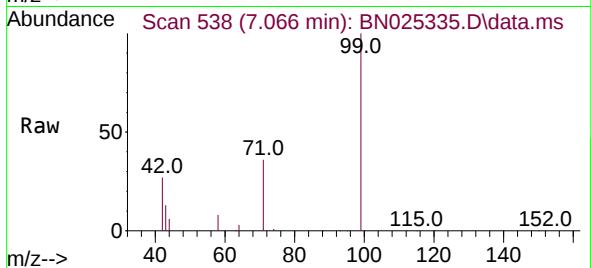
Tgt Ion:112 Resp: 753456
Ion Ratio Lower Upper
112 100
64 64.1 51.5 77.3
63 34.4 27.8 41.6





#5
Phenol-d6
Concen: 54.861 ng
RT: 7.066 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN025335.D
Acq: 08 May 2023 16:33

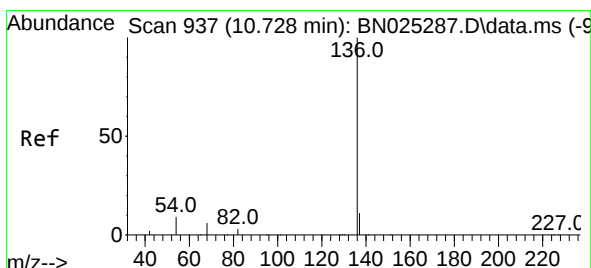
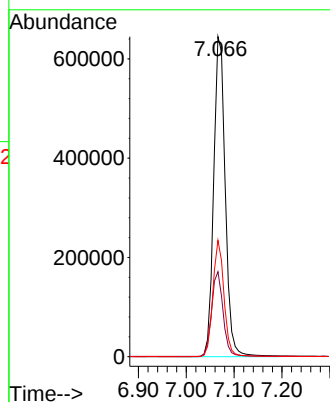
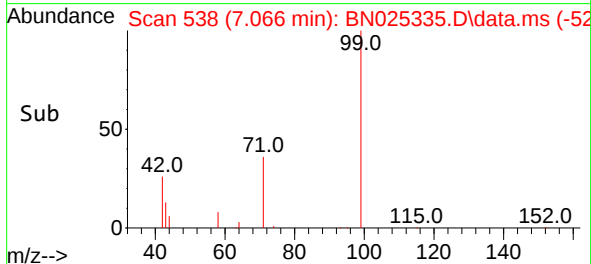
Instrument :
BNA_N
ClientSampleId :
ZONE-D-3-6-05022023



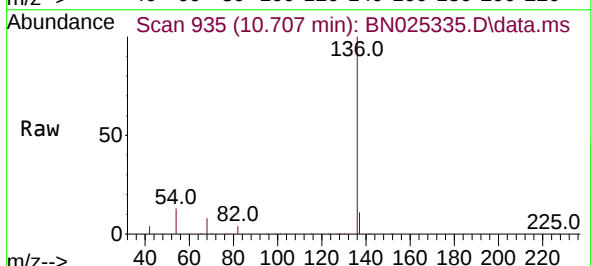
Tgt Ion: 99 Resp: 108308
Ion Ratio Lower Upper
99 100
42 26.2 22.0 33.0
71 35.1 28.7 43.1

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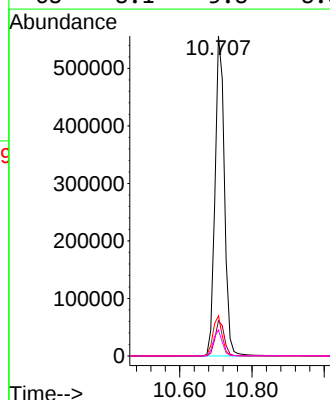
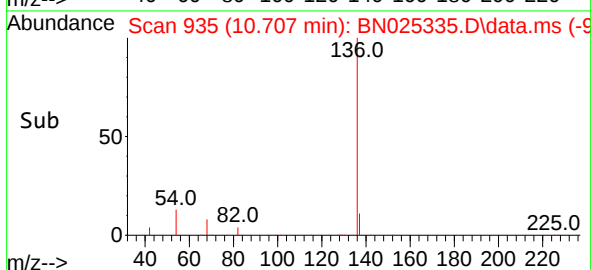
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023

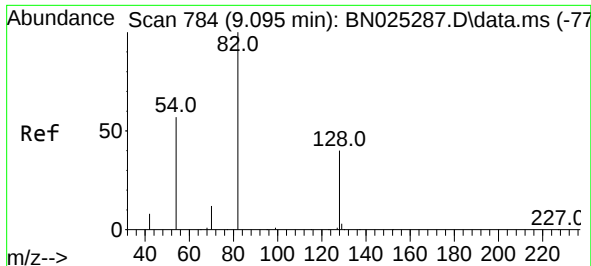


#7
Naphthalene-d8
Concen: 20.000 ng
RT: 10.707 min Scan# 935
Delta R.T. -0.011 min
Lab File: BN025335.D
Acq: 08 May 2023 16:33



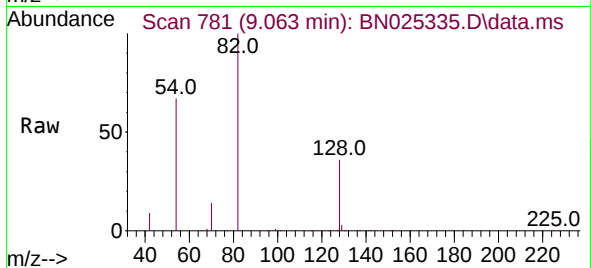
Tgt Ion:136 Resp: 1004908
Ion Ratio Lower Upper
136 100
137 11.0 9.4 14.2
54 12.5 8.5 12.7
68 8.1 5.8 8.8





#8
Nitrobenzene-d5
Concen: 33.230 ng
RT: 9.063 min Scan# 784
Delta R.T. -0.021 min
Lab File: BN025335.D
Acq: 08 May 2023 16:33

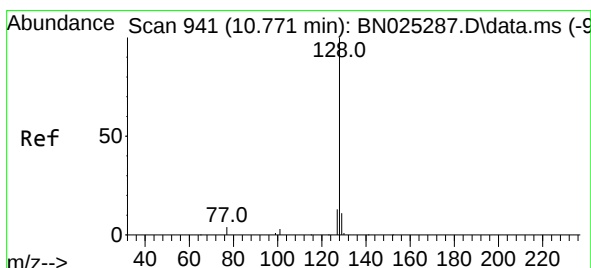
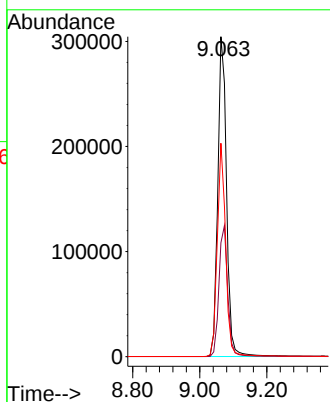
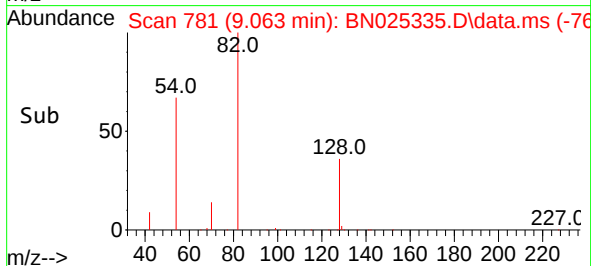
Instrument :
BNA_N
ClientSampleId :
ZONE-D-3-6-05022023



Tgt Ion: 82 Resp: 549329
Ion Ratio Lower Upper
82 100
128 35.6 35.3 52.9
54 66.7 48.7 73.1

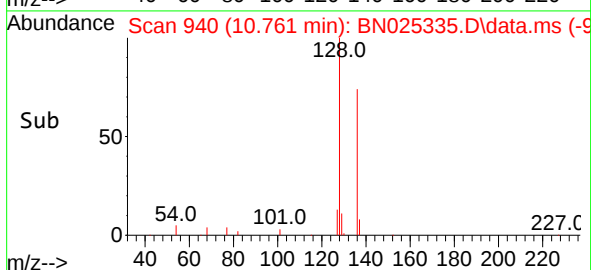
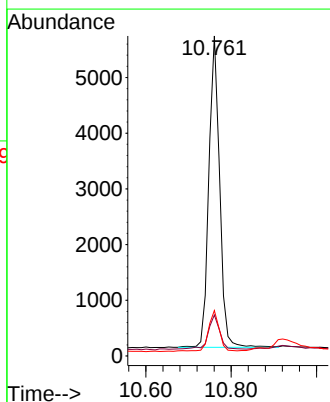
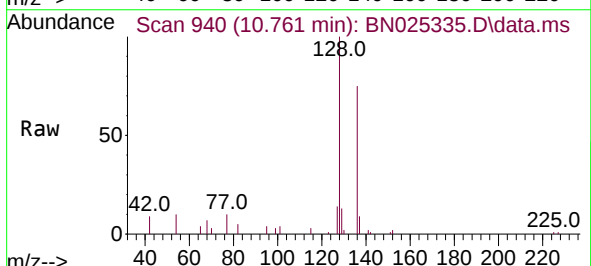
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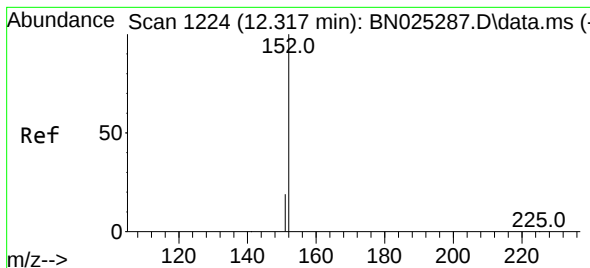
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



#9
Naphthalene
Concen: 0.189 ng
RT: 10.761 min Scan# 940
Delta R.T. -0.000 min
Lab File: BN025335.D
Acq: 08 May 2023 16:33

Tgt Ion:128 Resp: 9770
Ion Ratio Lower Upper
128 100
129 12.8 9.4 14.2
127 14.2 11.0 16.6





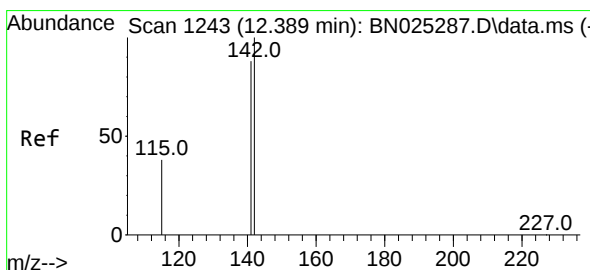
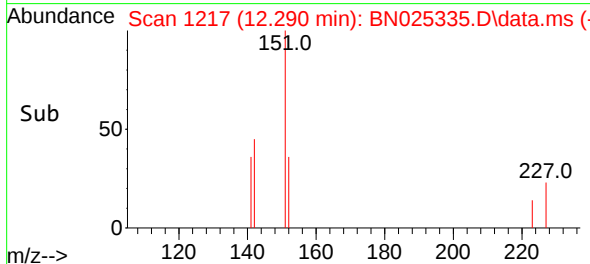
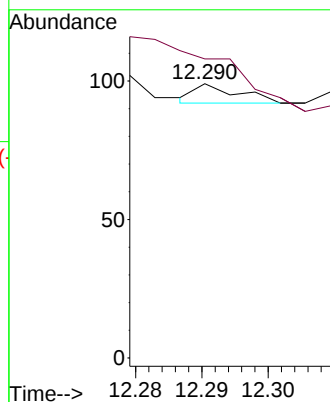
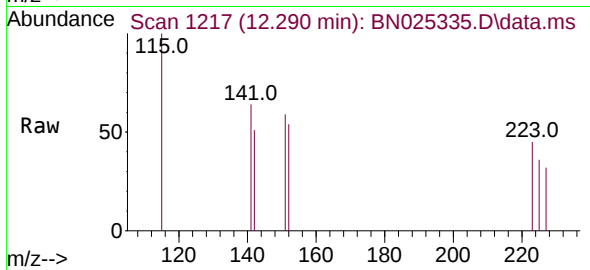
#11
2-Methylnaphthalene-d10
Concen: 0.000 ng
RT: 12.290 min Scan# 11
Delta R.T. -0.015 min
Lab File: BN025335.D
Acq: 08 May 2023 16:33

Instrument :
BNA_N
ClientSampleId :
ZONE-D-3-6-05022023

Tgt Ion:152 Resp:
Ion Ratio Lower Upper
152 100
151 0.0 16.4 24.6

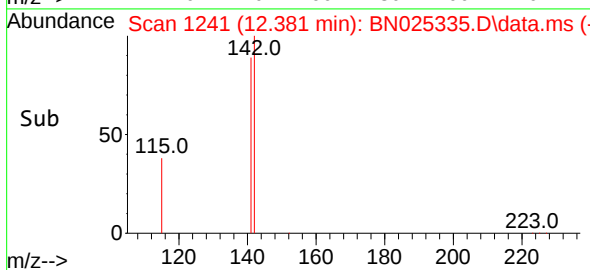
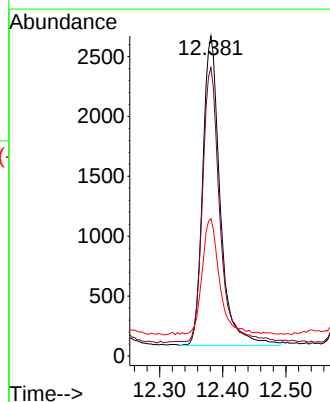
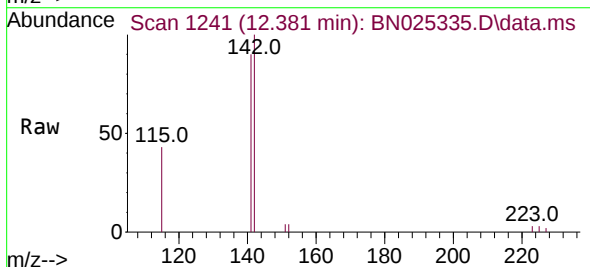
Manual Integrations
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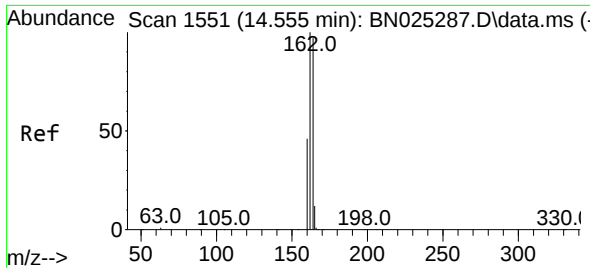
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



#12
2-Methylnaphthalene
Concen: 0.135 ng
RT: 12.381 min Scan# 1241
Delta R.T. -0.000 min
Lab File: BN025335.D
Acq: 08 May 2023 16:33

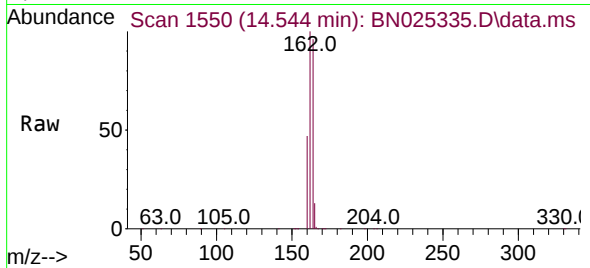
Tgt Ion:142 Resp: 4936
Ion Ratio Lower Upper
142 100
141 90.1 70.5 105.7
115 42.9 31.6 47.4





#13
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.544 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN025335.D
Acq: 08 May 2023 16:33

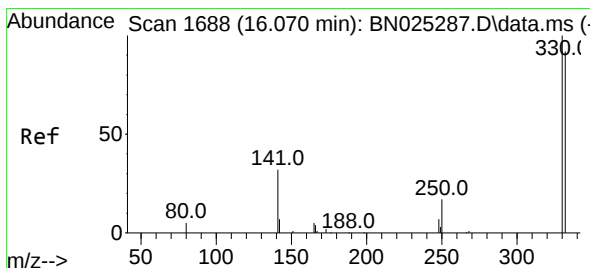
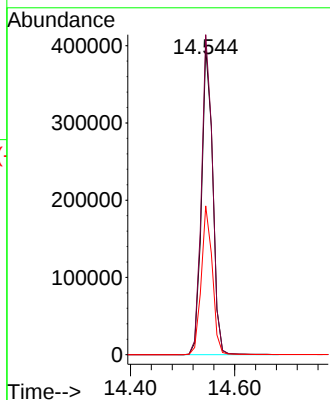
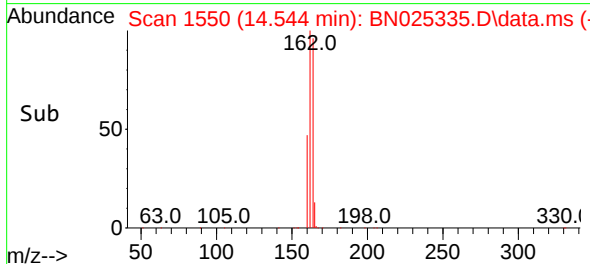
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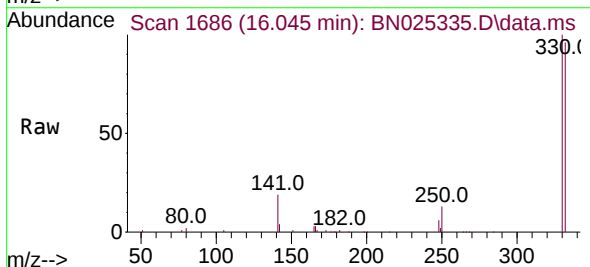
Tgt Ion:164 Resp: 592638
Ion Ratio Lower Upper
164 100
162 104.1 82.1 123.1
160 48.4 38.3 57.5

Manual Integrations
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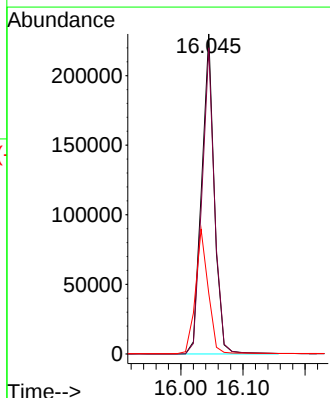
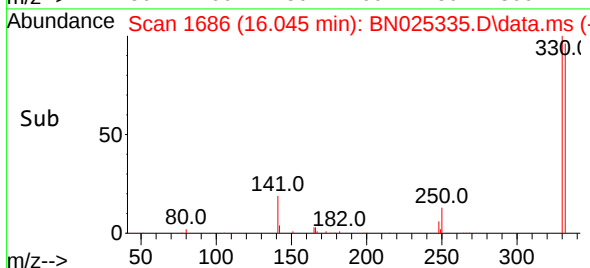
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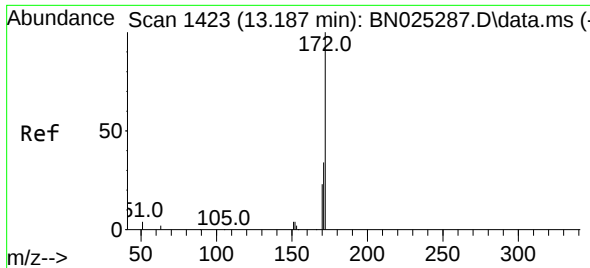


#14
2,4,6-Tribromophenol
Concen: 53.741 ng
RT: 16.045 min Scan# 1686
Delta R.T. -0.013 min
Lab File: BN025335.D
Acq: 08 May 2023 16:33



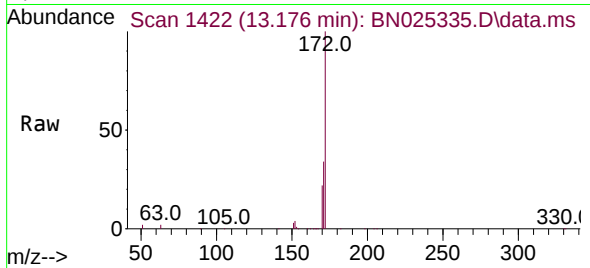
Tgt Ion:330 Resp: 325634
Ion Ratio Lower Upper
330 100
332 95.7 77.4 116.0
141 39.0 28.9 43.3





#15
2-Fluorobiphenyl
Concen: 28.801 ng
RT: 13.176 min Scan# 1423
Delta R.T. -0.000 min
Lab File: BN025335.D
Acq: 08 May 2023 16:33

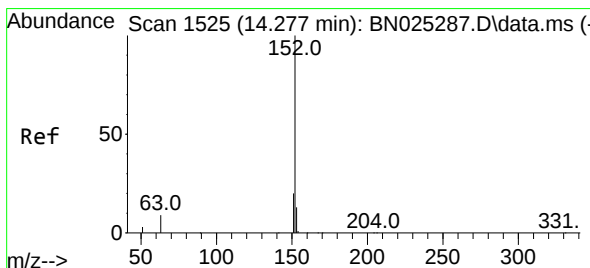
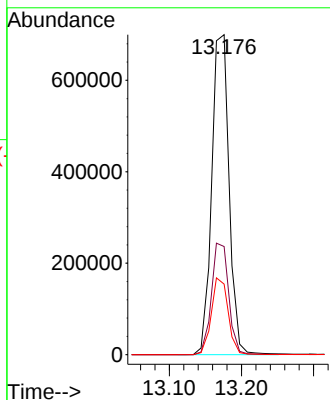
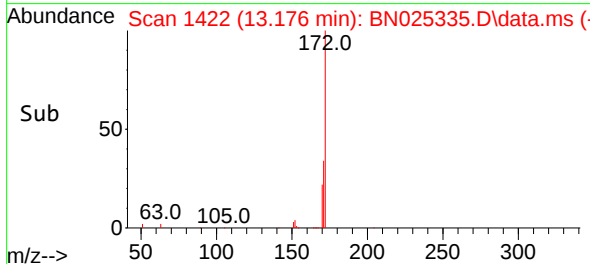
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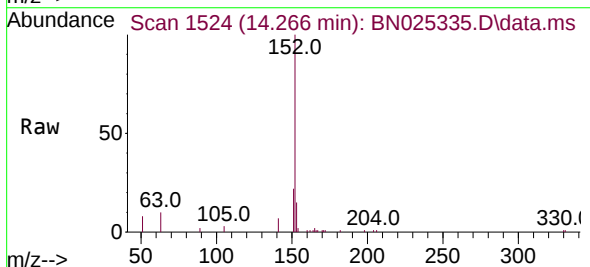
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Ion Ratio Lower Upper
172 100
171 33.8 27.9 41.9
170 22.0 19.0 28.4

Manual Integrations
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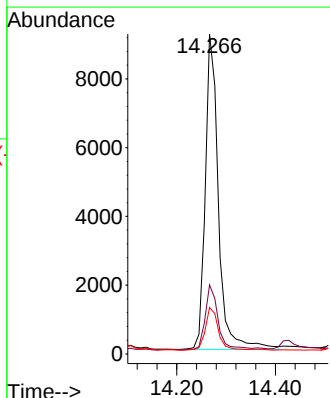
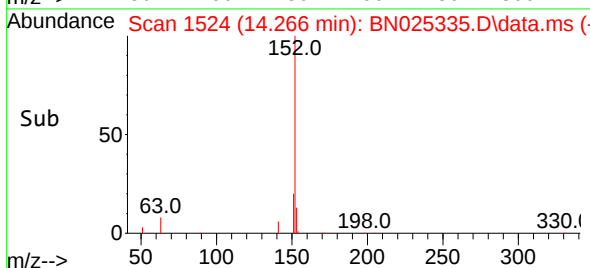
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023

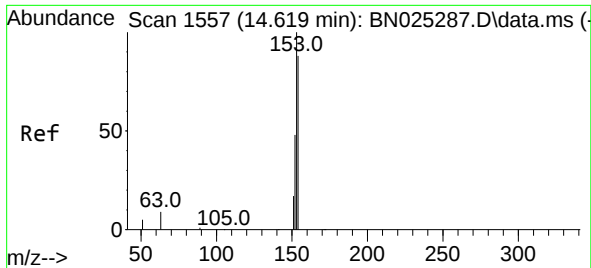


#16
Acenaphthylene
Concen: 0.320 ng
RT: 14.266 min Scan# 1524
Delta R.T. -0.000 min
Lab File: BN025335.D
Acq: 08 May 2023 16:33



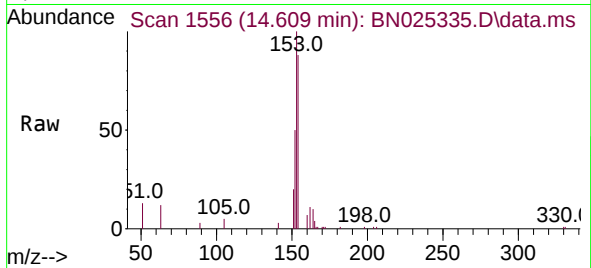
Tgt Ion:152 Resp: 16991
Ion Ratio Lower Upper
152 100
151 20.3 16.1 24.1
153 13.4 10.3 15.5





#17
Acenaphthene
Concen: 0.266 ng
RT: 14.609 min Scan# 1556
Delta R.T. -0.000 min
Lab File: BN025335.D
Acq: 08 May 2023 16:33

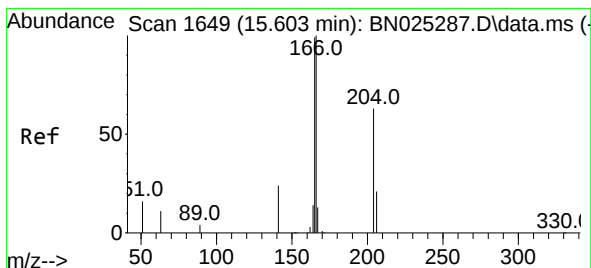
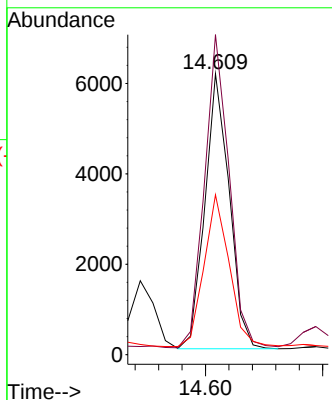
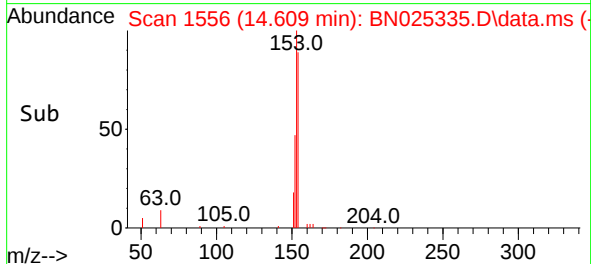
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BNA_N
ClientSampleId :
ZONE-D-3-6-05022023



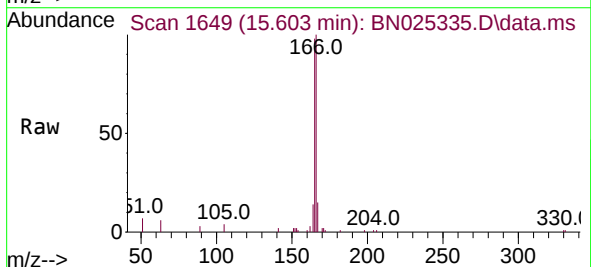
Tgt Ion:154 Resp: 878
Ion Ratio Lower Upper
154 100
153 114.7 91.3 136.9
152 57.0 44.7 67.1

Manual Integrations
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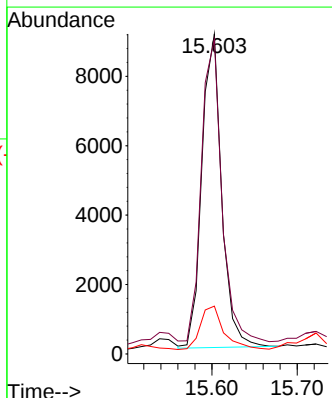
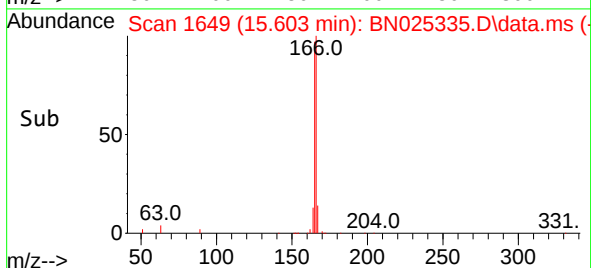
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023

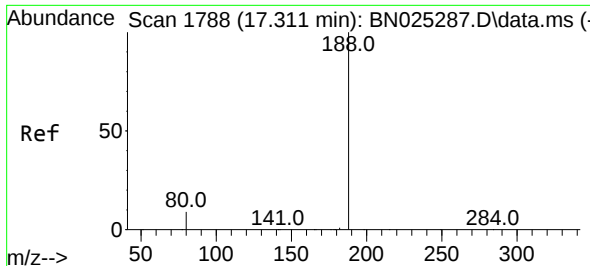


#18
Fluorene
Concen: 0.322 ng
RT: 15.603 min Scan# 1649
Delta R.T. -0.000 min
Lab File: BN025335.D
Acq: 08 May 2023 16:33



Tgt Ion:166 Resp: 14585
Ion Ratio Lower Upper
166 100
165 98.9 79.0 118.4
167 16.4 10.3 15.5#





#19

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.298 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN025335.D

Acq: 08 May 2023 16:33

Instrument :

BNA_N

ClientSampleId :

ZONE-D-3-6-05022023

Tgt Ion:188 Resp: 1302828

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

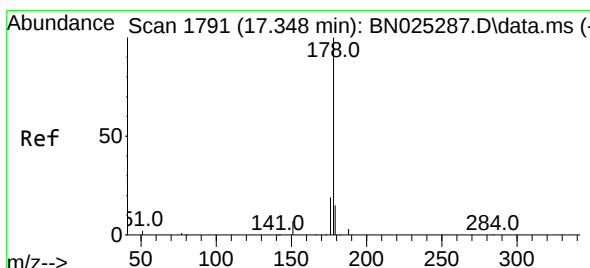
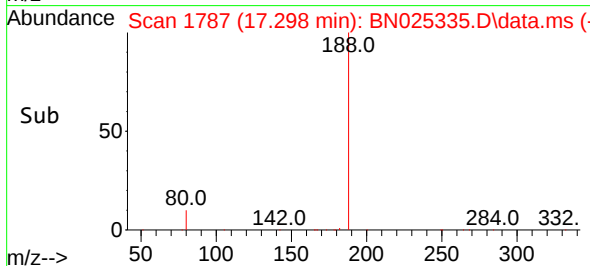
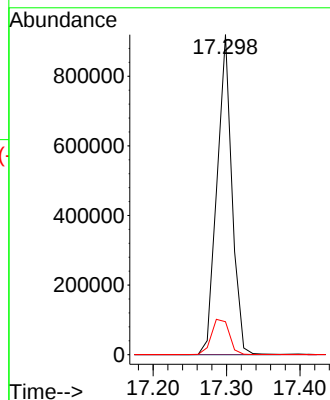
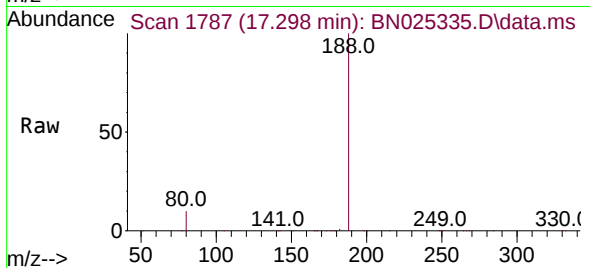
80 10.3 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/09/2023

Supervised By :Jagrut Upadhyay 05/09/2023



#25

Phenanthrene

Concen: 3.506 ng

RT: 17.336 min Scan# 1790

Delta R.T. -0.000 min

Lab File: BN025335.D

Acq: 08 May 2023 16:33

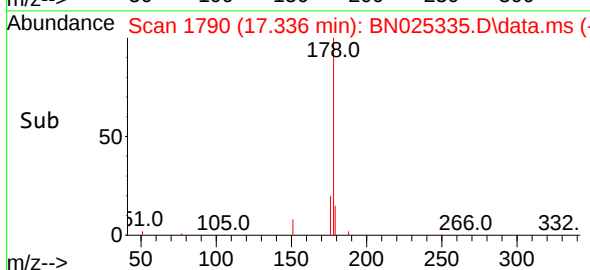
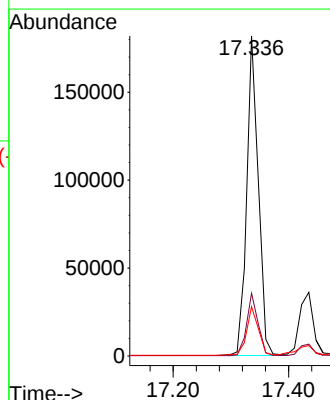
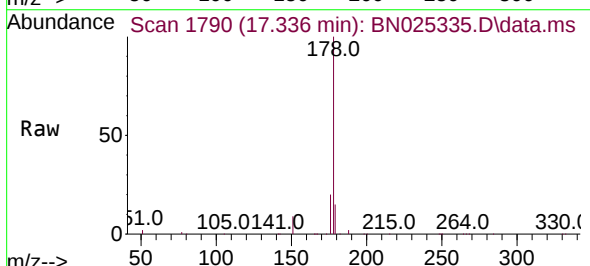
Tgt Ion:178 Resp: 252745

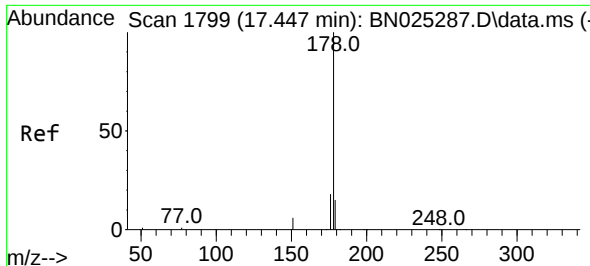
Ion Ratio Lower Upper

178 100

176 19.2 15.5 23.3

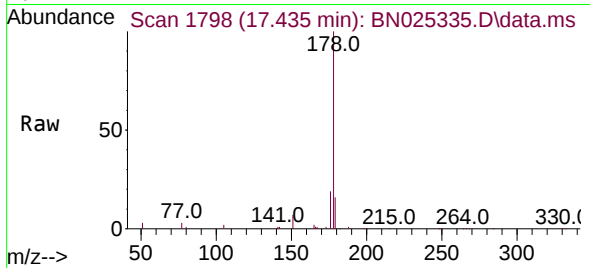
179 15.6 12.4 18.6





#26
 Anthracene
 Concen: 0.894 ng
 RT: 17.435 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN025335.D
 Acq: 08 May 2023 16:33

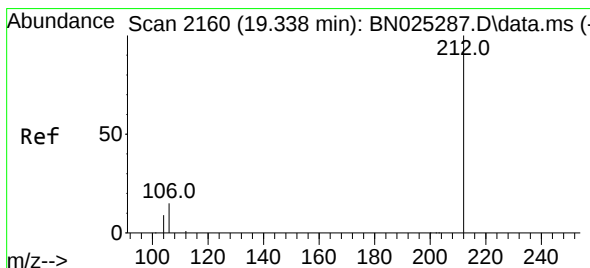
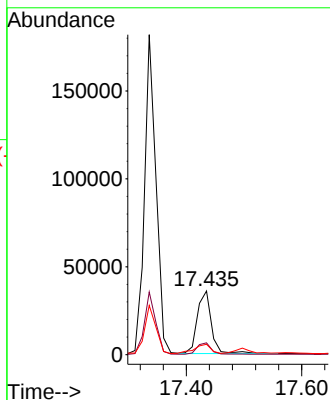
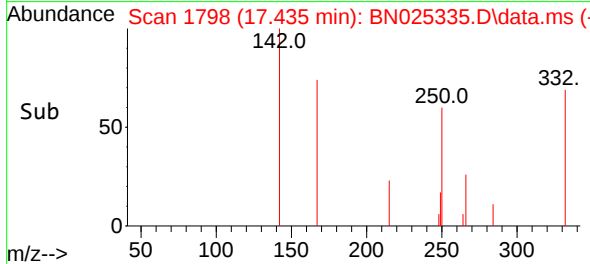
Instrument :
 BNA_N
 ClientSampleId :
 ZONE-D-3-6-05022023



Tgt Ion:178 Resp: 6039
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.9 22.3
 179 17.7 12.0 18.0

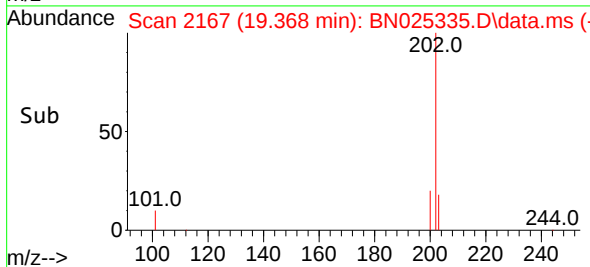
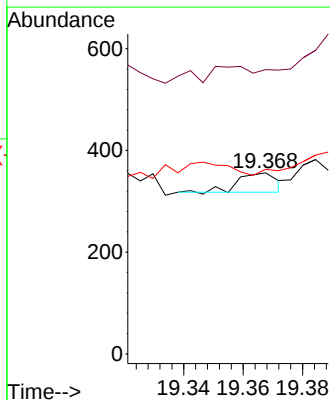
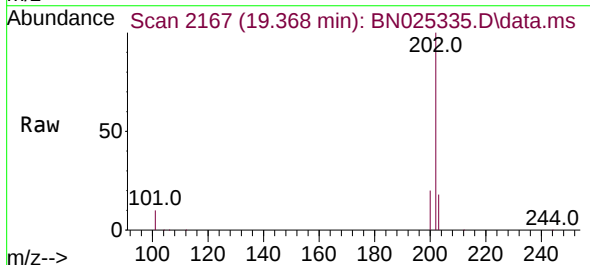
Manual Integrations
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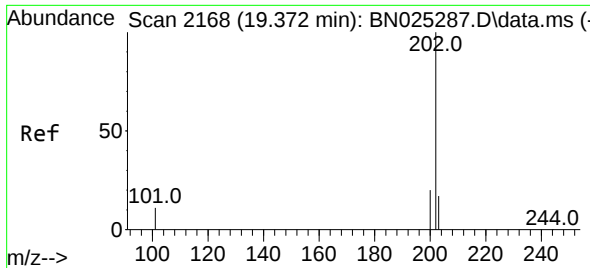
Reviewed By :Christian Giraldo 05/09/2023
 Supervised By :Jagrut Upadhyay 05/09/2023



#27
 Fluoranthene-d10
 Concen: 0.001 ng
 RT: 19.368 min Scan# 2167
 Delta R.T. 0.034 min
 Lab File: BN025335.D
 Acq: 08 May 2023 16:33

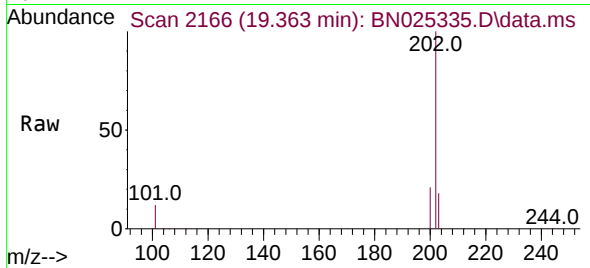
Tgt Ion:212 Resp: 34
 Ion Ratio Lower Upper
 212 100
 106 0.0 12.6 19.0#
 104 0.0 7.0 10.6#





#28
Fluoranthene
Concen: 5.699 ng
RT: 19.363 min Scan# 2166
Delta R.T. -0.000 min
Lab File: BN025335.D
Acq: 08 May 2023 16:33

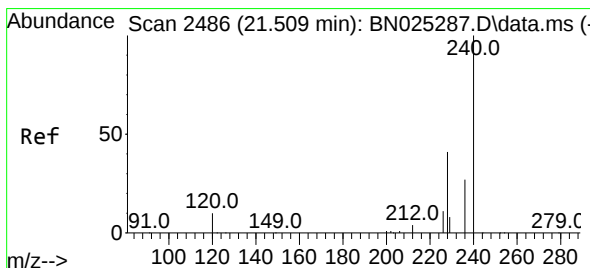
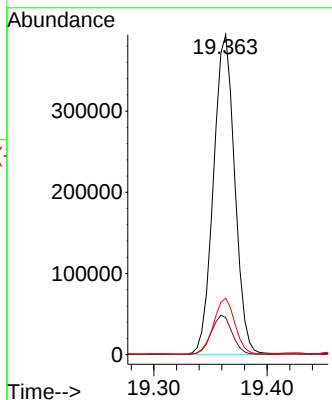
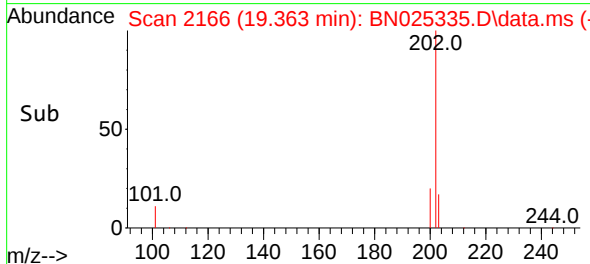
Instrument :
BNA_N
ClientSampleId :
ZONE-D-3-6-05022023



Tgt Ion:202 Resp: 513340
Ion Ratio Lower Upper
202 100
101 12.2 9.8 14.8
203 17.3 13.5 20.3

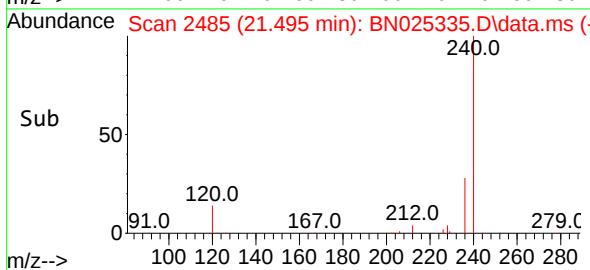
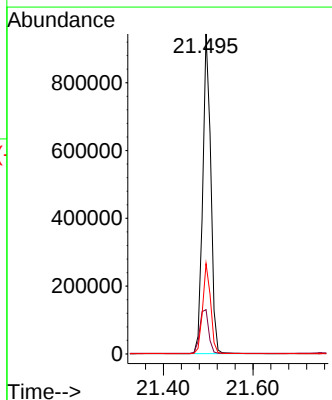
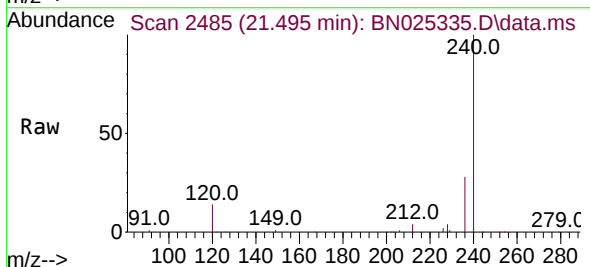
Manual Integrations
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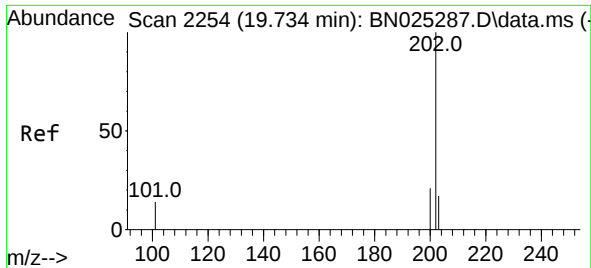
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



#29
Chrysene-d12
Concen: 20.000 ng
RT: 21.495 min Scan# 2485
Delta R.T. -0.005 min
Lab File: BN025335.D
Acq: 08 May 2023 16:33

Tgt Ion:240 Resp: 1178011
Ion Ratio Lower Upper
240 100
120 13.8 10.3 15.5
236 28.3 22.3 33.5





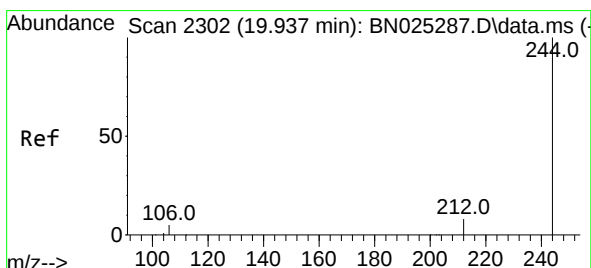
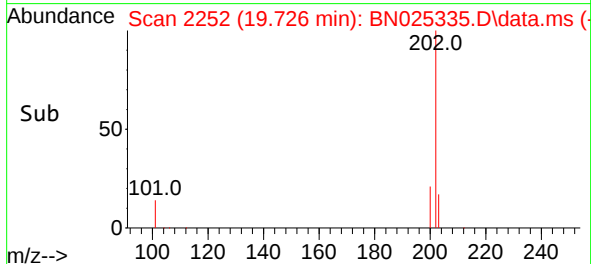
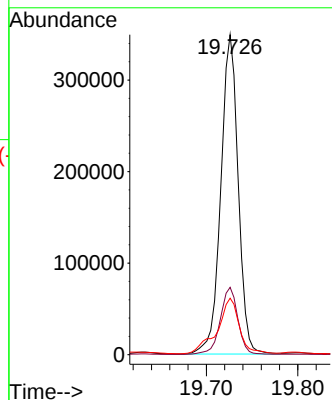
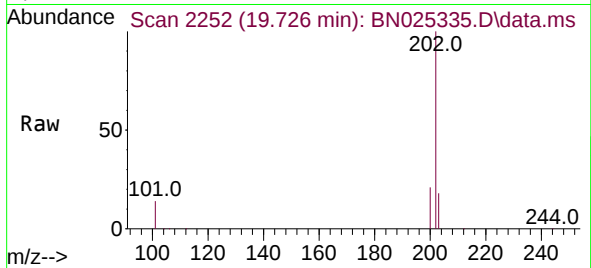
#30
Pyrene
Concen: 5.698 ng
RT: 19.726 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN025335.D
Acq: 08 May 2023 16:33

Instrument :
BNA_N
ClientSampleId :
ZONE-D-3-6-05022023

Tgt Ion:202 Resp: 458915
Ion Ratio Lower Upper
202 100
200 21.2 16.8 25.2
203 22.1 14.4 21.6

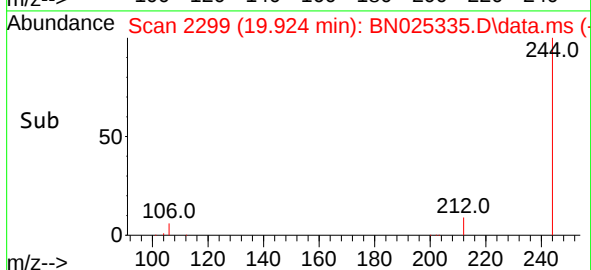
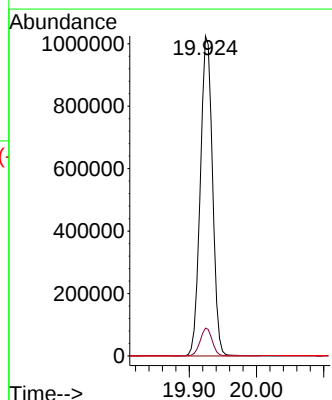
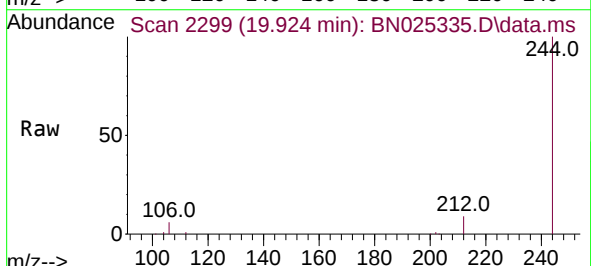
Manual Integrations
APPROVED

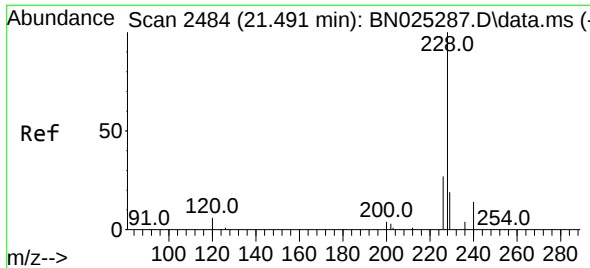
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



#31
Terphenyl-d14
Concen: 29.967 ng
RT: 19.924 min Scan# 2299
Delta R.T. -0.004 min
Lab File: BN025335.D
Acq: 08 May 2023 16:33

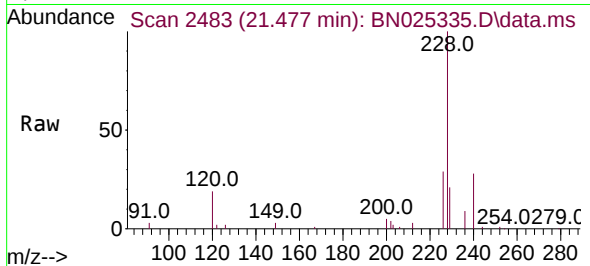
Tgt Ion:244 Resp: 1423582
Ion Ratio Lower Upper
244 100
212 8.7 7.1 10.7
122 0.0 0.0 0.0





#32
Benzo(a)anthracene
Concen: 3.281 ng
RT: 21.477 min Scan# 2483
Delta R.T. -0.005 min
Lab File: BN025335.D
Acq: 08 May 2023 16:33

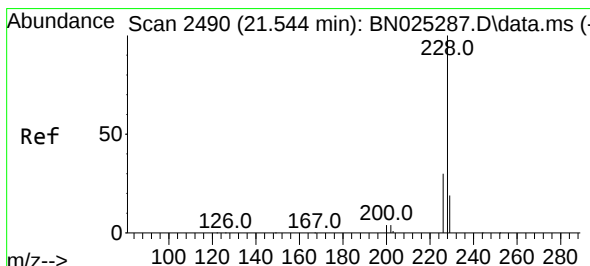
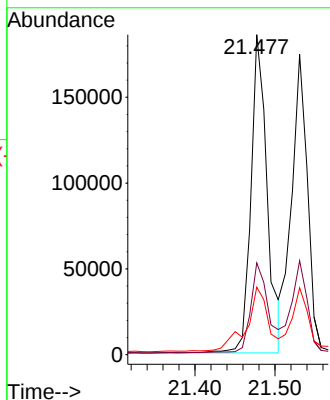
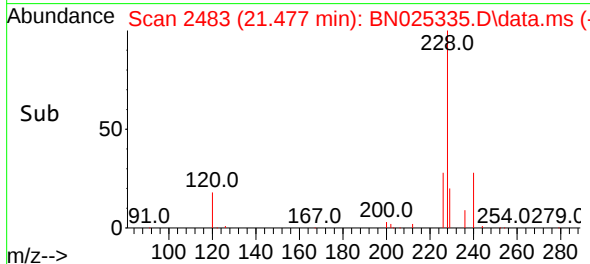
Instrument :
BNA_N
ClientSampleId :
ZONE-D-3-6-05022023



Tgt Ion:228 Resp: 26125
Ion Ratio Lower Upper
228 100
226 28.7 22.5 33.7
229 21.1 16.2 24.2

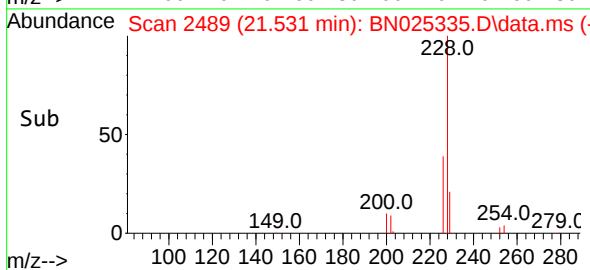
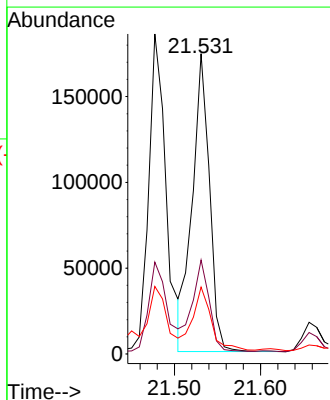
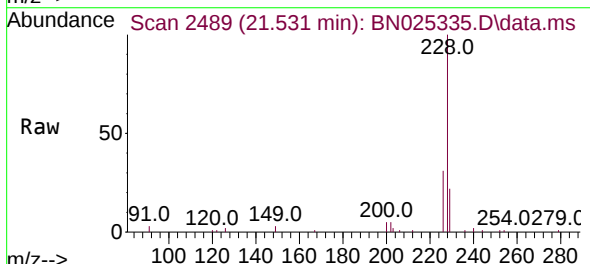
Manual Integrations
APPROVED

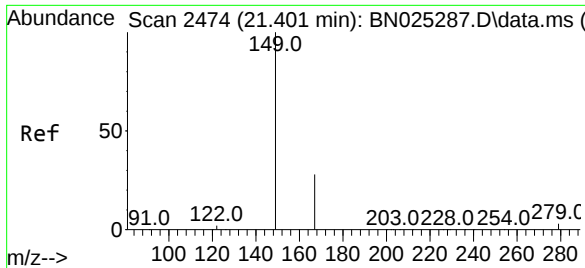
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



#33
Chrysene
Concen: 3.036 ng
RT: 21.531 min Scan# 2489
Delta R.T. -0.005 min
Lab File: BN025335.D
Acq: 08 May 2023 16:33

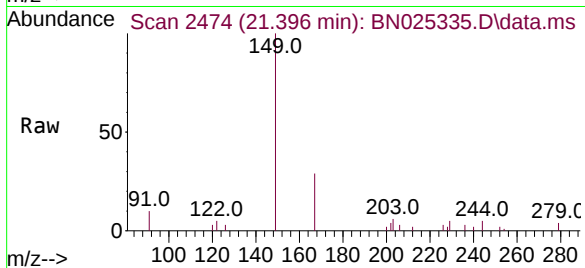
Tgt Ion:228 Resp: 240646
Ion Ratio Lower Upper
228 100
226 31.3 24.6 36.8
229 22.2 16.2 24.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.905 ng
RT: 21.396 min Scan# 2474
Delta R.T. 0.004 min
Lab File: BN025335.D
Acq: 08 May 2023 16:33

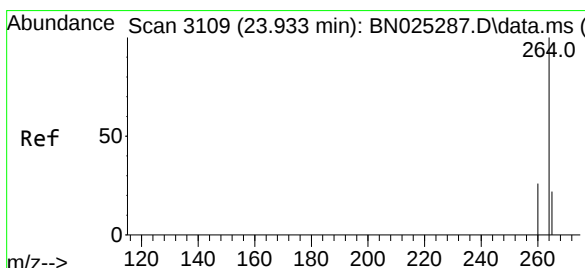
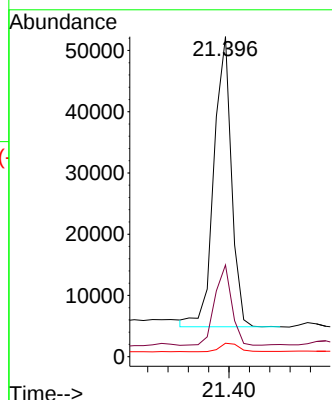
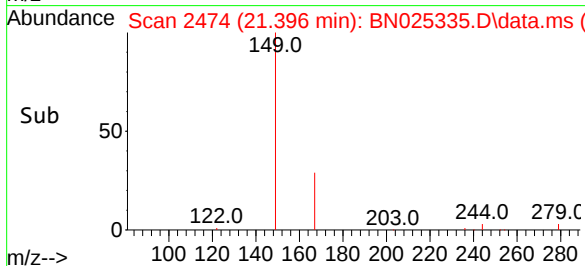
Instrument :
BNA_N
ClientSampleId :
ZONE-D-3-6-05022023



Tgt Ion:149 Resp: 5657
Ion Ratio Lower Upper
149 100
167 26.6 22.2 33.4
279 3.2 2.6 4.0

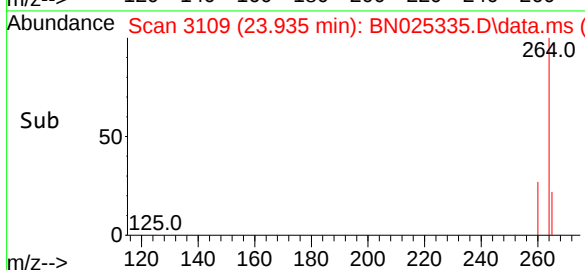
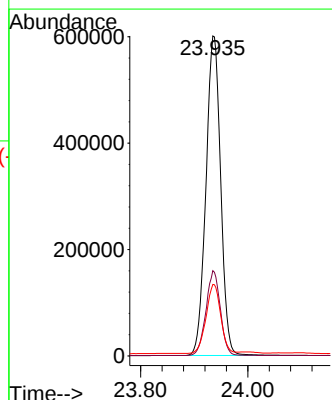
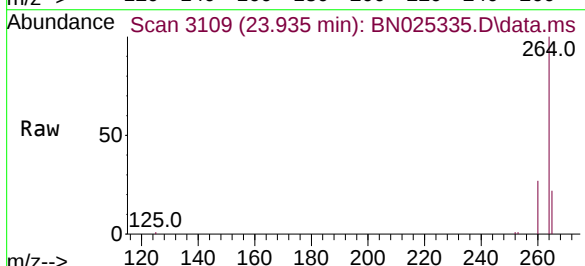
Manual Integrations
APPROVED

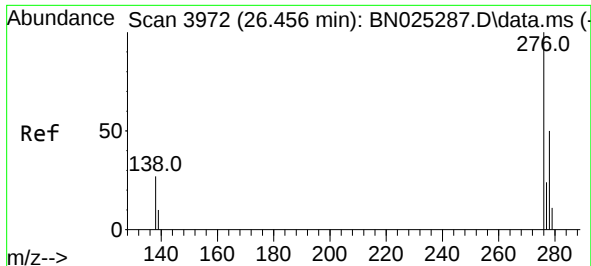
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



#35
Perylene-d12
Concen: 20.000 ng
RT: 23.935 min Scan# 3109
Delta R.T. 0.004 min
Lab File: BN025335.D
Acq: 08 May 2023 16:33

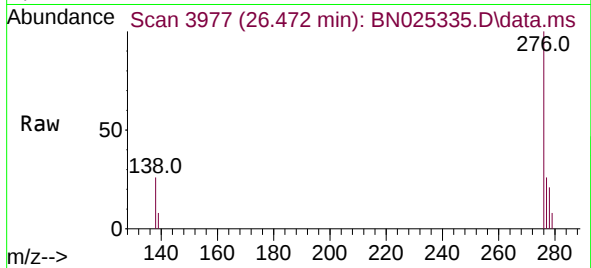
Tgt Ion:264 Resp: 1145465
Ion Ratio Lower Upper
264 100
260 26.6 21.5 32.3
265 22.4 46.2 69.4#





#36
Indeno(1,2,3-cd)pyrene
Concen: 1.297 ng
RT: 26.472 min Scan# 3972
Delta R.T. 0.025 min
Lab File: BN025335.D
Acq: 08 May 2023 16:33

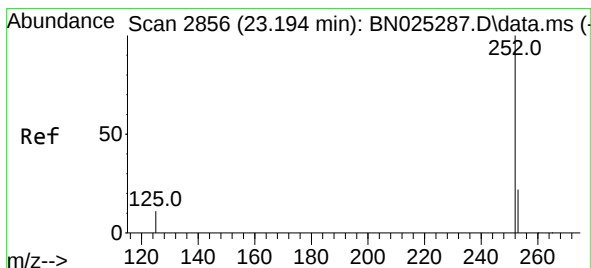
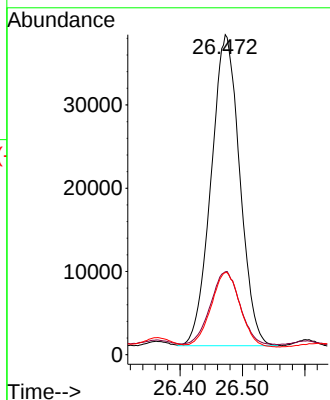
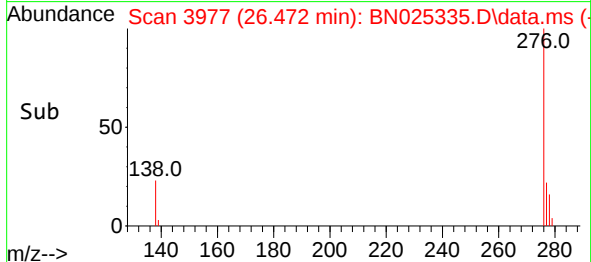
Instrument :
BNA_N
ClientSampleId :
ZONE-D-3-6-05022023



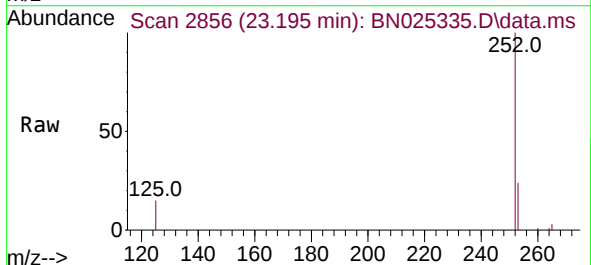
Tgt Ion:276 Resp: 119134
Ion Ratio Lower Upper
276 100
138 24.0 22.5 33.7
277 24.5 19.8 29.6

Manual Integrations
APPROVED

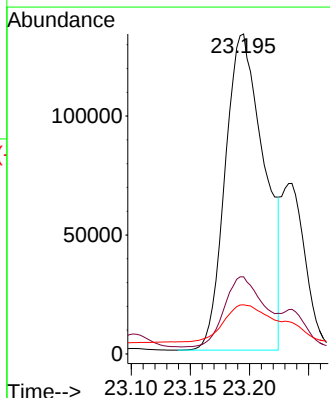
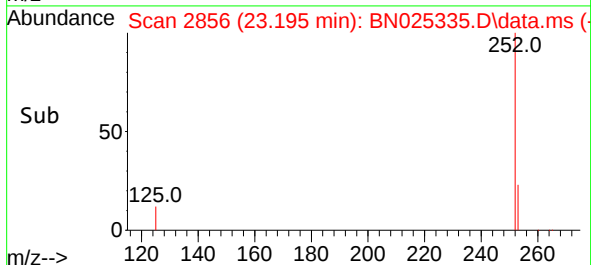
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023

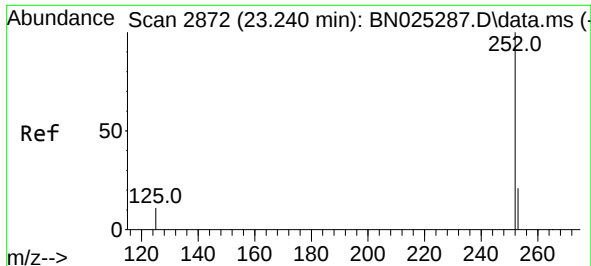


#37
Benzo(b)fluoranthene
Concen: 4.209 ng
RT: 23.195 min Scan# 2856
Delta R.T. 0.007 min
Lab File: BN025335.D
Acq: 08 May 2023 16:33



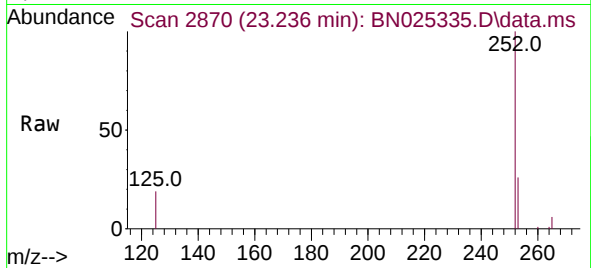
Tgt Ion:252 Resp: 305678
Ion Ratio Lower Upper
252 100
253 24.1 20.8 31.2
125 15.4 13.4 20.2





#38
Benzo(k)fluoranthene
Concen: 1.304 ng m
RT: 23.236 min Scan# 2870
Delta R.T. -0.002 min
Lab File: BN025335.D
Acq: 08 May 2023 16:33

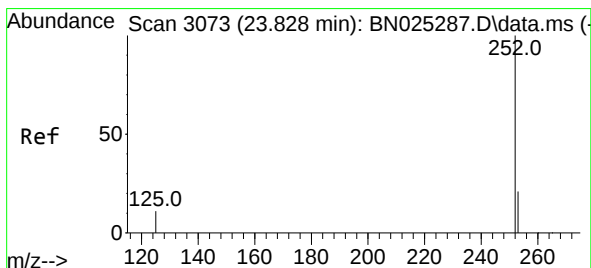
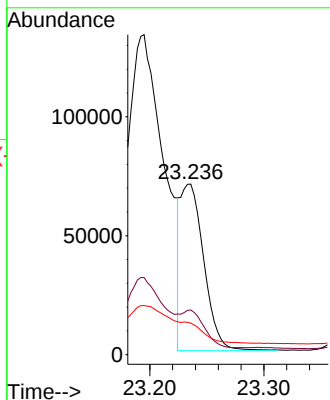
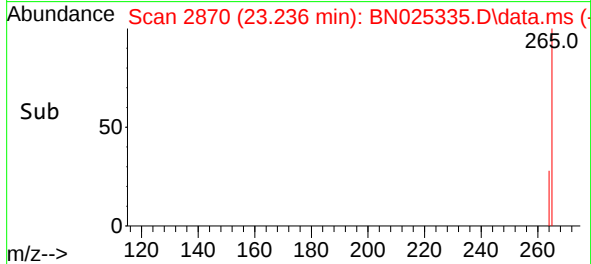
Instrument :
BNA_N
ClientSampleId :
ZONE-D-3-6-05022023



Tgt Ion:252 Resp: 99160
Ion Ratio Lower Upper
252 100
253 26.2 20.6 30.8
125 18.5 13.1 19.7

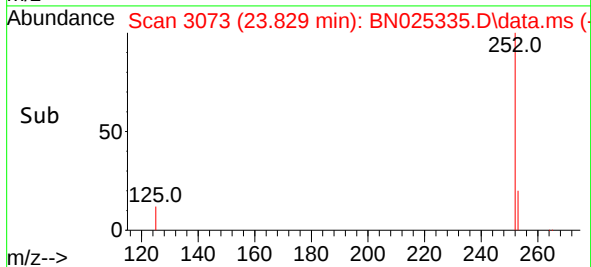
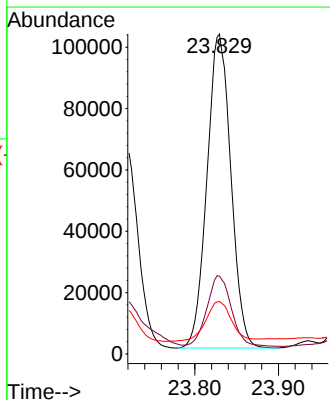
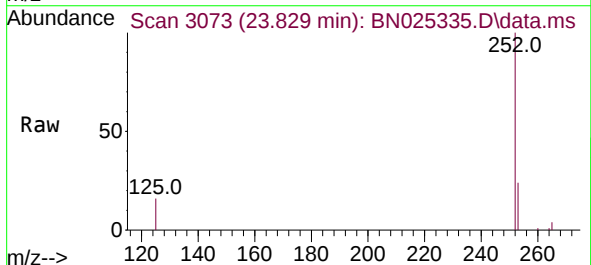
Manual Integrations
APPROVED

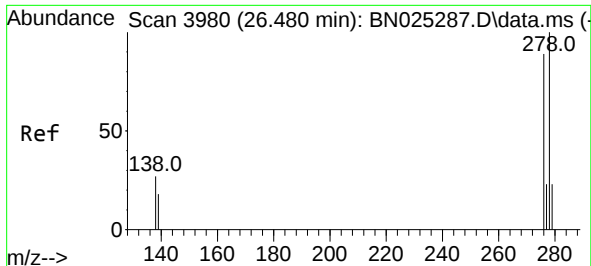
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



#39
Benzo(a)pyrene
Concen: 2.736 ng
RT: 23.829 min Scan# 3073
Delta R.T. 0.007 min
Lab File: BN025335.D
Acq: 08 May 2023 16:33

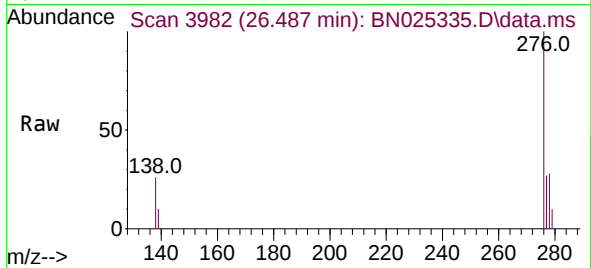
Tgt Ion:252 Resp: 203523
Ion Ratio Lower Upper
252 100
253 24.4 21.4 32.0
125 16.4 15.4 23.2





#40
Dibenzo(a,h)anthracene
Concen: 0.413 ng
RT: 26.487 min Scan# 3980
Delta R.T. 0.022 min
Lab File: BN025335.D
Acq: 08 May 2023 16:33

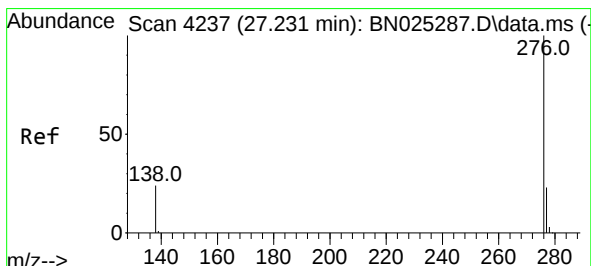
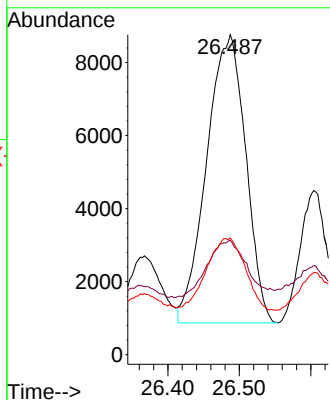
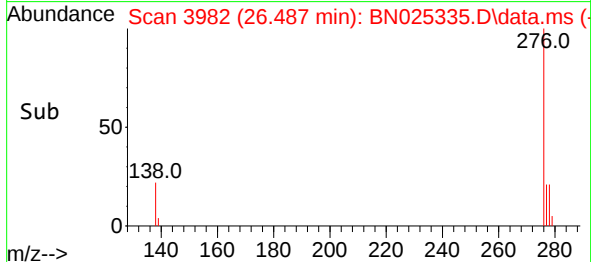
Instrument :
BNA_N
ClientSampleId :
ZONE-D-3-6-05022023



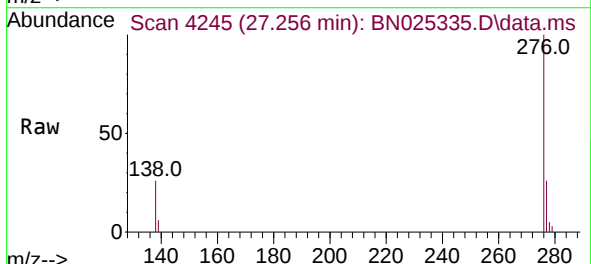
Tgt Ion: 278 Resp: 2996
Ion Ratio Lower Upper
278 100
139 35.8 17.6 26.4
279 36.5 21.6 32.4

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 05/09/2023
Supervised By : Jagrut Upadhyay 05/09/2023



#41
Benzo(g,h,i)perylene
Concen: 1.440 ng
RT: 27.256 min Scan# 4245
Delta R.T. 0.028 min
Lab File: BN025335.D
Acq: 08 May 2023 16:33



Tgt Ion: 276 Resp: 114710
Ion Ratio Lower Upper
276 100
277 25.7 20.1 30.1
138 26.5 21.0 31.6

