

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113021\
 Data File : BN017644.D
 Acq On : 01 Dec 2021 10:58
 Operator : CG/JU
 Sample : M4862-10
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CS-5A

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/01/2021
 Supervised By :mohammad ahmed 12/05/2021

Quant Time: Dec 01 11:36:49 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN113021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 30 18:26:44 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.782	152	22208	0.400	ng	0.00
7) Naphthalene-d8	10.547	136	95405	0.400	ng	# 0.00
13) Acenaphthene-d10	14.384	164	58133	0.400	ng	0.00
19) Phenanthrene-d10	17.128	188	112307	0.400	ng	# 0.00
29) Chrysene-d12	21.314	240	82793	0.400	ng	# 0.00
35) Perylene-d12	23.633	264	77583	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.403	112	155	0.003	ng	0.04
5) Phenol-d6	6.961	99	389	0.007	ng	0.02
8) Nitrobenzene-d5	8.913	82	14461	0.357	ng	0.00
11) 2-Methylnaphthalene-d10	12.137	152	47427	0.285	ng	0.00
14) 2,4,6-Tribromophenol	15.869	330	126	0.128	ng	-0.01
15) 2-Fluorobiphenyl	13.014	172	61232	0.271	ng	0.00
27) Fluoranthene-d10	19.159	212	102025	0.291	ng	0.00
31) Terphenyl-d14	19.759	244	68824	0.379	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.598	128	96461	0.401	ng	100
12) 2-Methylnaphthalene	12.213	142	44393	0.280	ng	98
16) Acenaphthylene	14.105	152	281001	1.239	ng	98
17) Acenaphthene	14.448	154	111010	0.708	ng	98
18) Fluorene	15.425	166	275660m	1.447	ng	
25) Phenanthrene	17.165	178	4785125	15.535	ng	99
26) Anthracene	17.250	178	835018	3.155	ng	# 91
28) Fluoranthene	19.193	202	6055510	17.372	ng	97
30) Pyrene	19.551	202	5077775	18.999	ng	# 95
32) Benzo(a)anthracene	21.303	228	2403135	9.556	ng	95
33) Chrysene	21.356	228	2203850	8.056	ng	97
34) Bis(2-ethylhexyl)phtha...	21.239	149	192665	3.230	ng	# 87
36) Indeno(1,2,3-cd)pyrene	26.002	276	789155	3.132	ng	# 91
37) Benzo(b)fluoranthene	22.935	252	2655582	10.322	ng	# 90
38) Benzo(k)fluoranthene	22.976	252	922742m	3.498	ng	
39) Benzo(a)pyrene	23.530	252	1544650	6.707	ng	# 90
40) Dibenzo(a,h)anthracene	26.008	278	203438	0.988	ng	# 71
41) Benzo(g,h,i)perylene	26.727	276	667987	3.154	ng	96

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

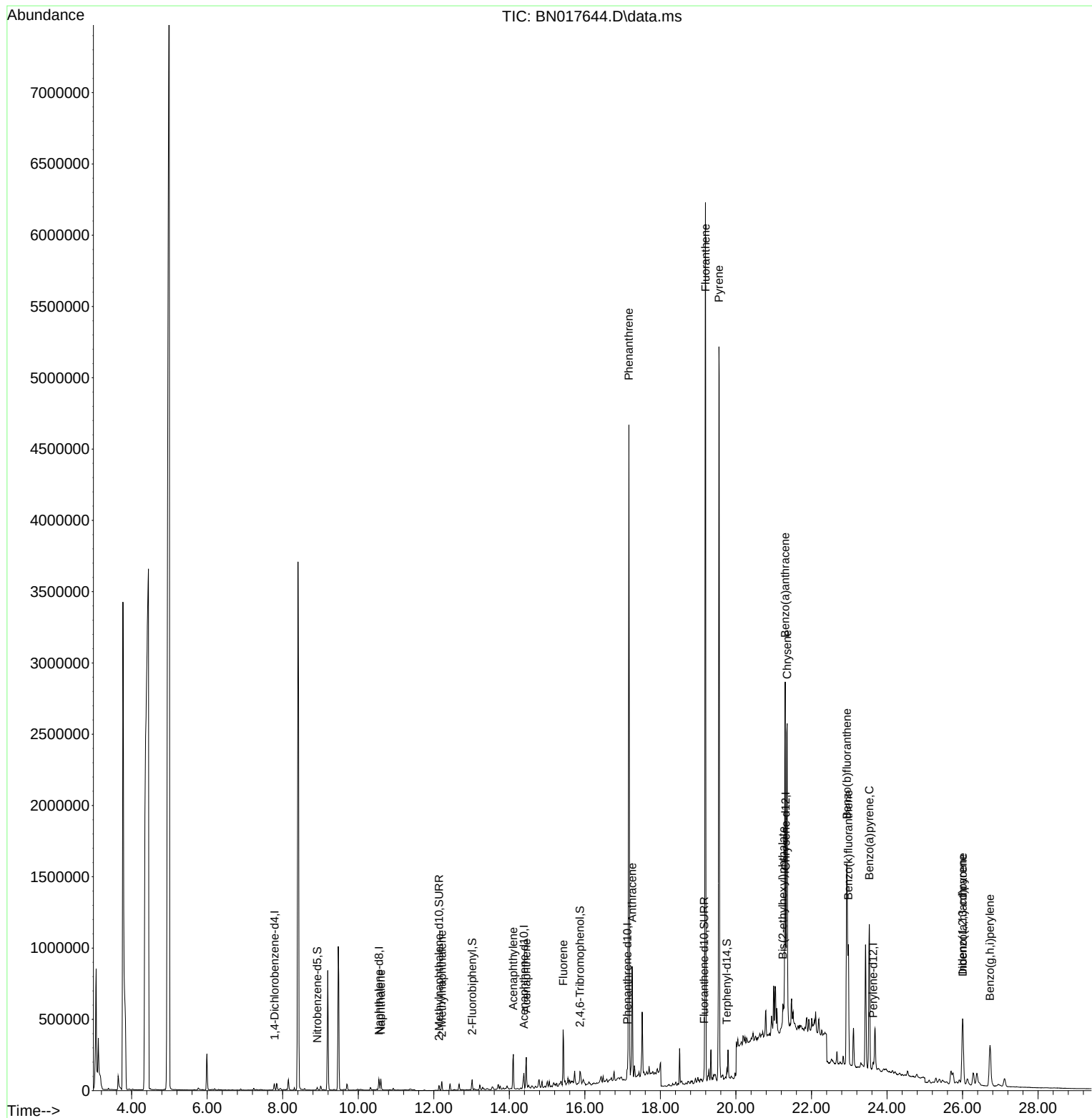
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113021\
Data File : BN017644.D
Acq On : 01 Dec 2021 10:58
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ALS Vial : 33 Sample Multiplier: 1

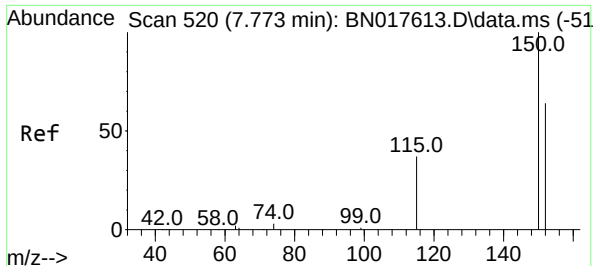
Instrument :
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CS-5A

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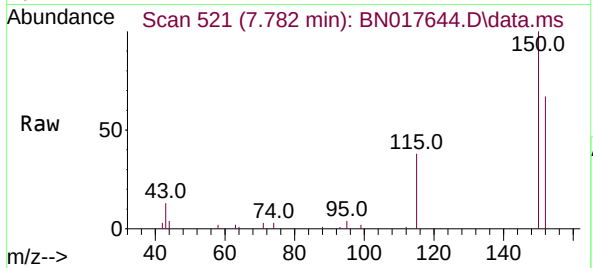
Quant Time: Dec 01 11:36:49 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN113021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 30 18:26:44 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.782 min Scan# 51
Delta R.T. 0.009 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

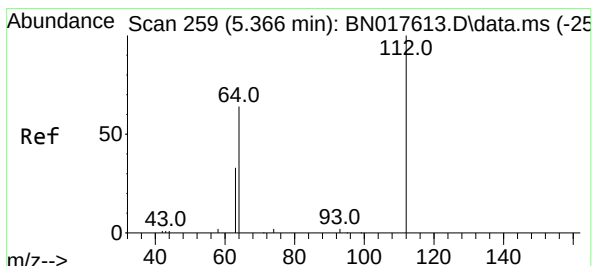
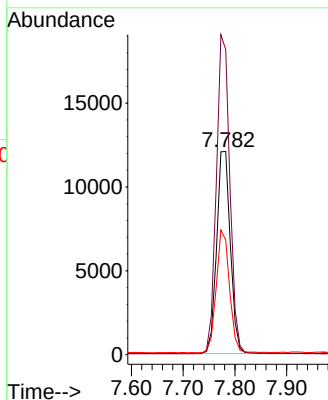
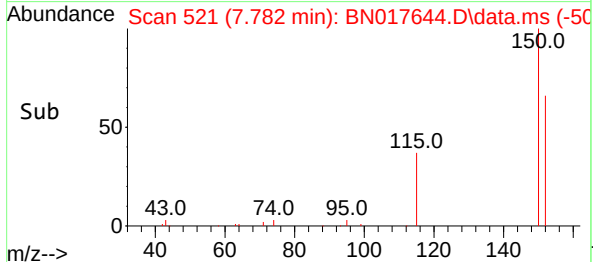
Instrument :
BNA_N
ClientSampleId :
CS-5A



Tgt Ion:152 Resp: 22208
Ion Ratio Lower Upper
152 100
150 150.1 123.0 184.4
115 56.4 45.6 68.4

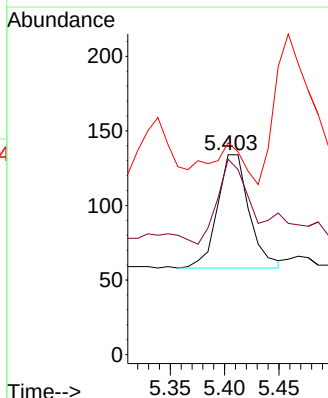
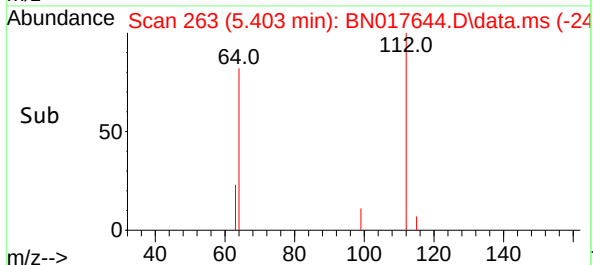
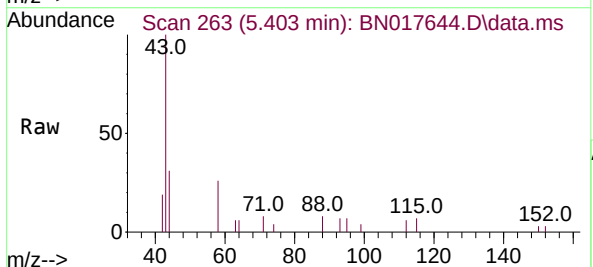
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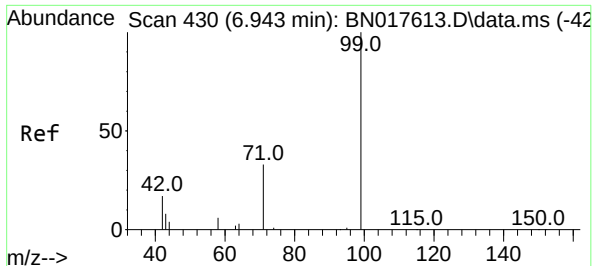
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021



#4
2-Fluorophenol
Concen: 0.003 ng
RT: 5.403 min Scan# 263
Delta R.T. 0.037 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

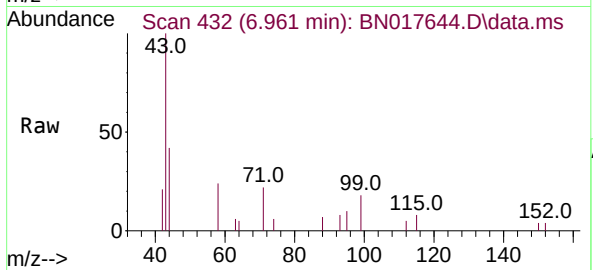
Tgt Ion:112 Resp: 155
Ion Ratio Lower Upper
112 100
64 75.5 47.6 71.4#
63 37.4 24.6 37.0#





#5
Phenol-d6
Concen: 0.007 ng
RT: 6.961 min Scan# 430
Delta R.T. 0.019 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

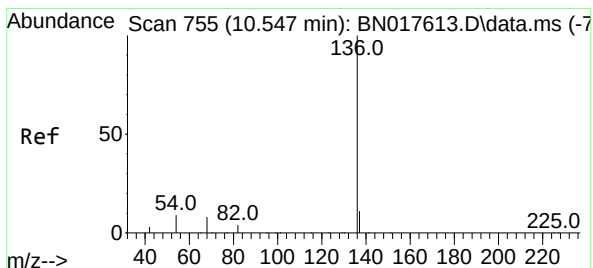
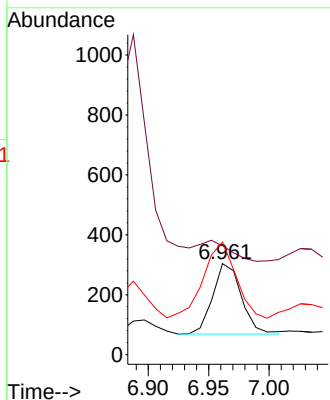
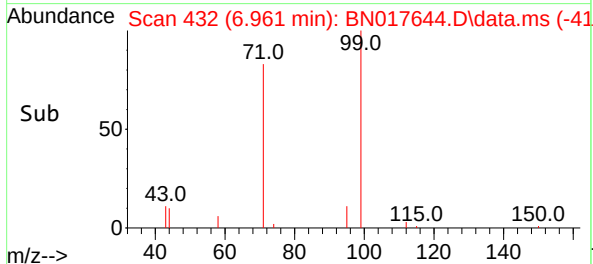
Instrument :
BNA_N
ClientSampleId :
CS-5A



Tgt Ion: 99 Resp: 389
Ion Ratio Lower Upper
99 100
42 30.3 17.0 25.6
71 122.1 24.8 37.2

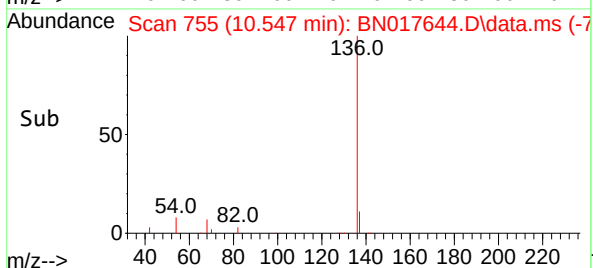
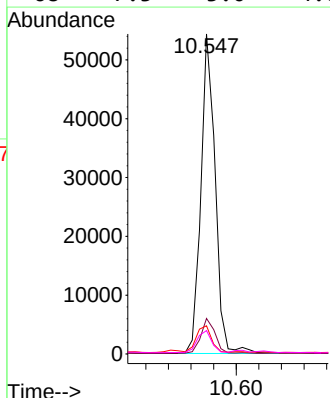
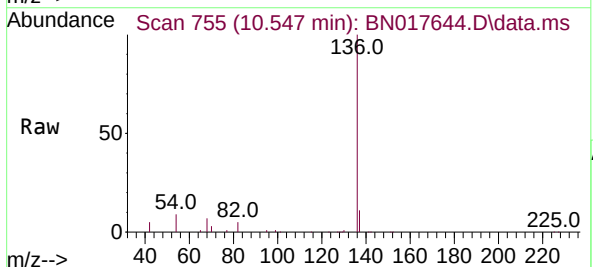
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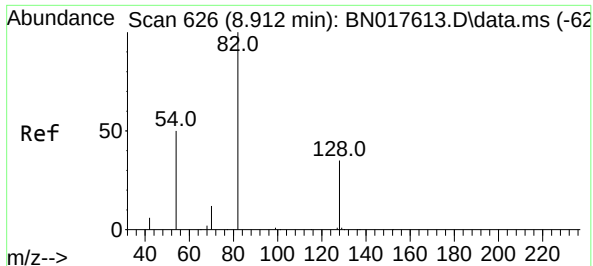
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.547 min Scan# 755
Delta R.T. 0.000 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

Tgt Ion:136 Resp: 95405
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.8 4.0 6.0#
68 7.3 3.0 4.6#





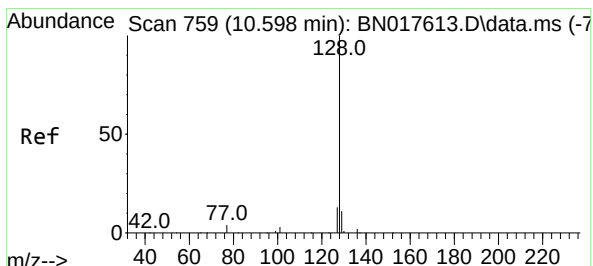
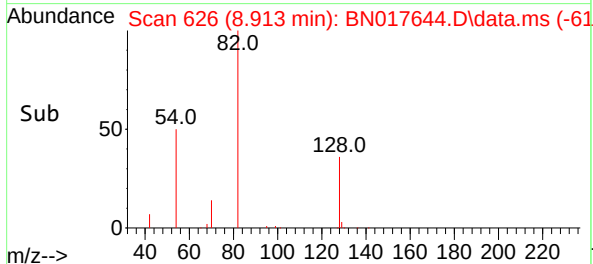
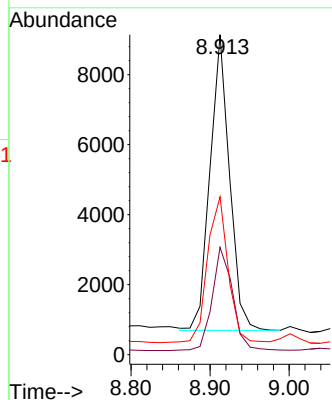
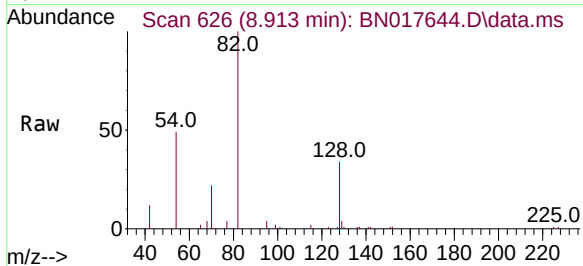
#8
Nitrobenzene-d5
Concen: 0.357 ng
RT: 8.913 min Scan# 61
Delta R.T. 0.001 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

Instrument :
BNA_N
ClientSampleId :
CS-5A

Tgt Ion: 82 Resp: 1446
Ion Ratio Lower Upper
82 100
128 33.6 27.7 41.5
54 49.4 49.2 73.8

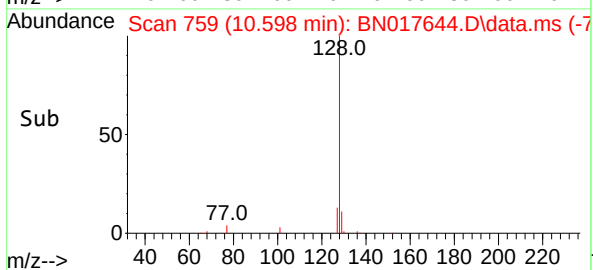
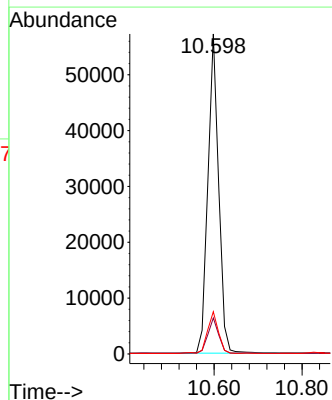
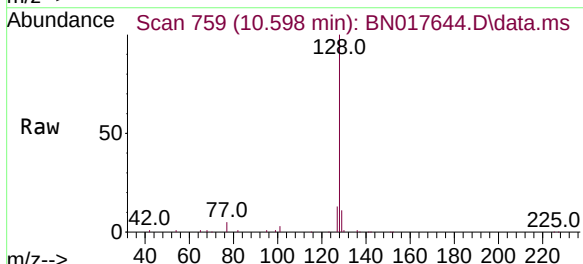
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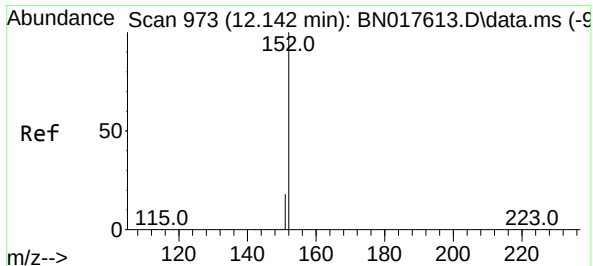
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Supervised By :mohammad ahmed 12/05/2021



#9
Naphthalene
Concen: 0.401 ng
RT: 10.598 min Scan# 759
Delta R.T. 0.000 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

Tgt Ion:128 Resp: 96461
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 13.2 10.6 15.8





#11

2-Methylnaphthalene-d10

Concen: 0.285 ng

RT: 12.137 min Scan# 91

Delta R.T. -0.005 min

Lab File: BN017644.D

Acq: 01 Dec 2021 10:58

Instrument :

BNA_N

ClientSampleId :

CS-5A

Tgt Ion:152 Resp: 4742

Ion Ratio Lower Upper

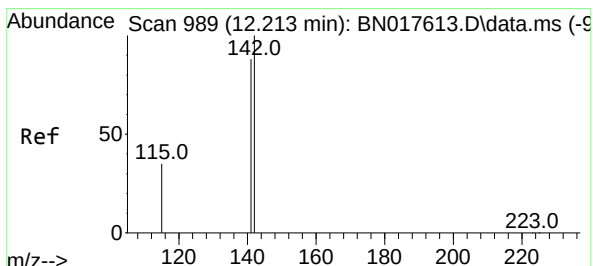
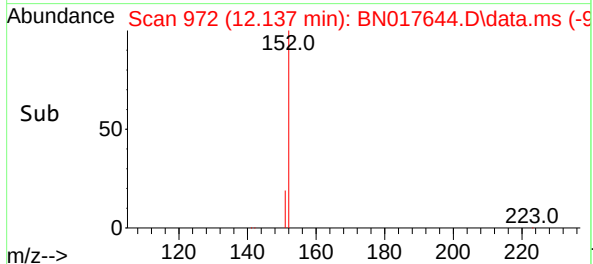
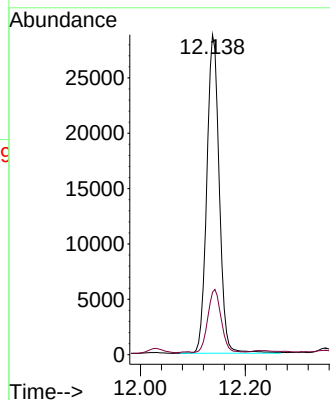
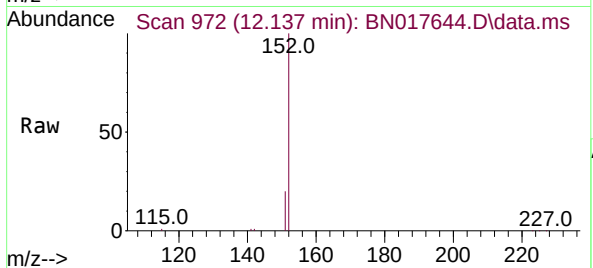
152 100

151 20.8 16.2 24.4

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#12

2-Methylnaphthalene

Concen: 0.280 ng

RT: 12.213 min Scan# 989

Delta R.T. 0.000 min

Lab File: BN017644.D

Acq: 01 Dec 2021 10:58

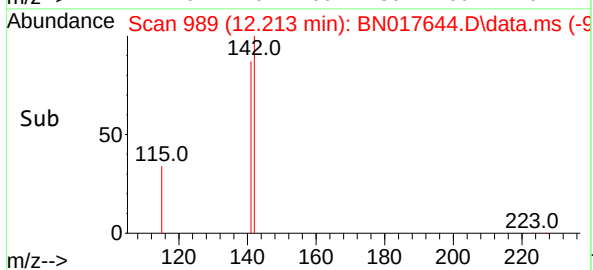
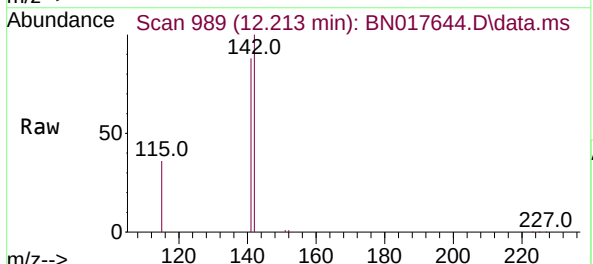
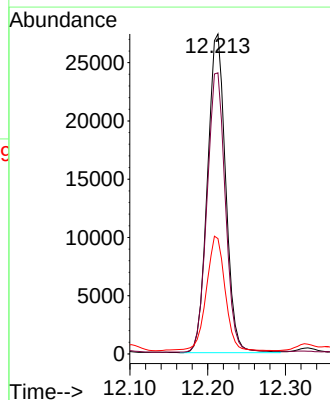
Tgt Ion:142 Resp: 44393

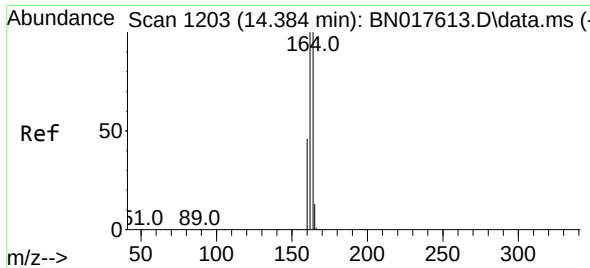
Ion Ratio Lower Upper

142 100

141 87.9 70.6 106.0

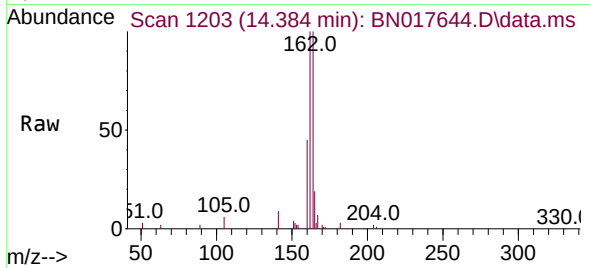
115 36.1 25.8 38.6





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.384 min Scan# 1203
Delta R.T. 0.000 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

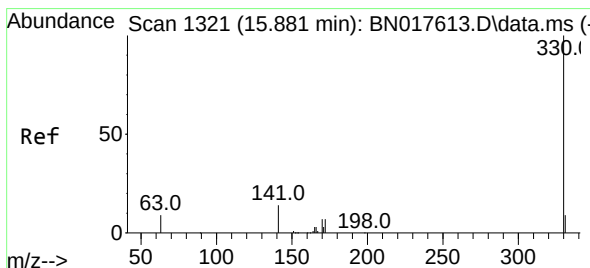
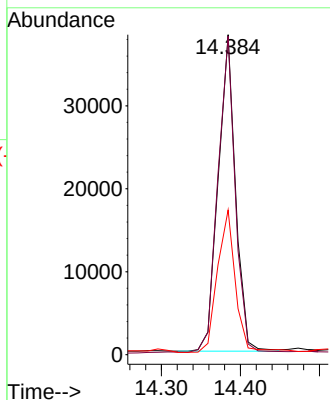
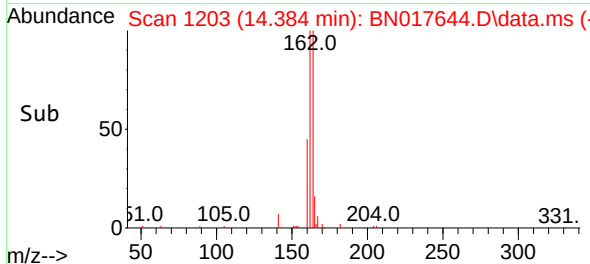
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:164 Resp: 5813
Ion Ratio Lower Upper
164 100
162 99.5 81.4 122.2
160 45.2 36.8 55.2

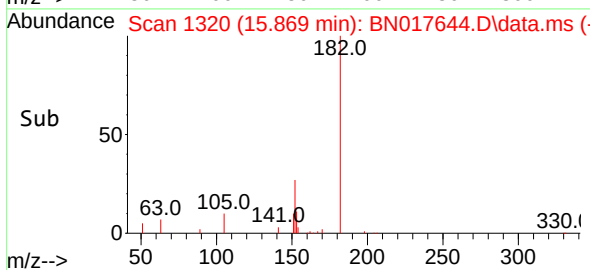
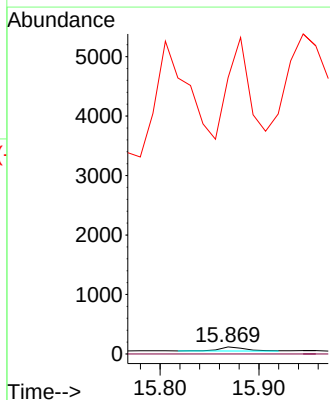
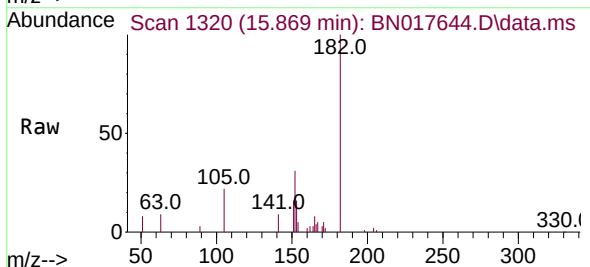
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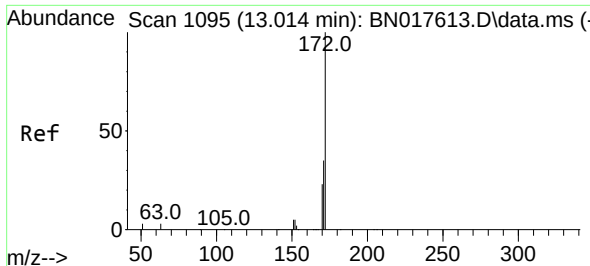
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021



#14
2,4,6-Tribromophenol
Concen: 0.128 ng
RT: 15.869 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

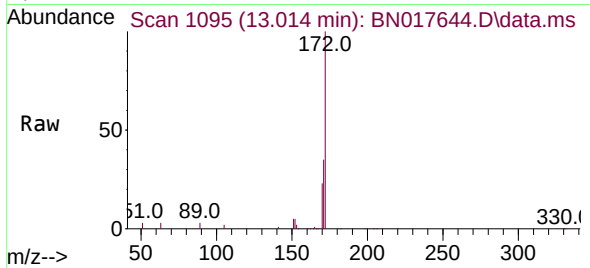
Tgt Ion:330 Resp: 126
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 1988.1 28.9 43.3#





#15
2-Fluorobiphenyl
Concen: 0.271 ng
RT: 13.014 min Scan# 1095
Delta R.T. 0.000 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

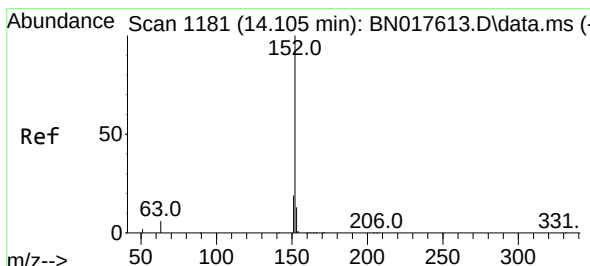
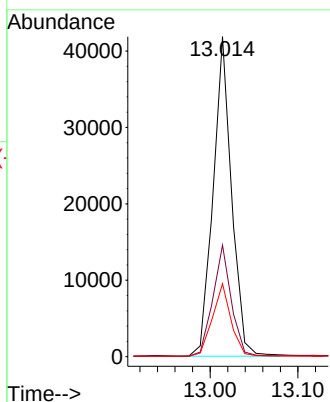
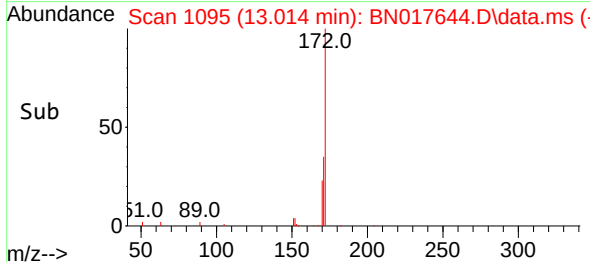
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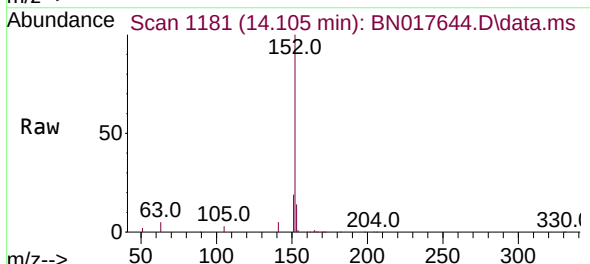
Tgt Ion:172 Resp: 6123
Ion Ratio Lower Upper
172 100
171 34.9 28.7 43.1
170 22.8 19.4 29.2

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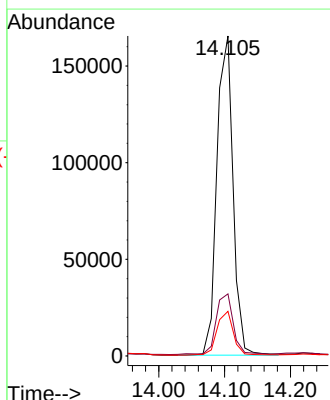
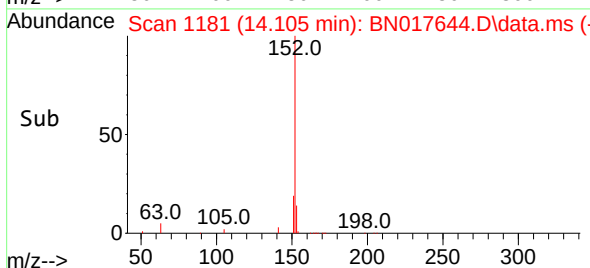
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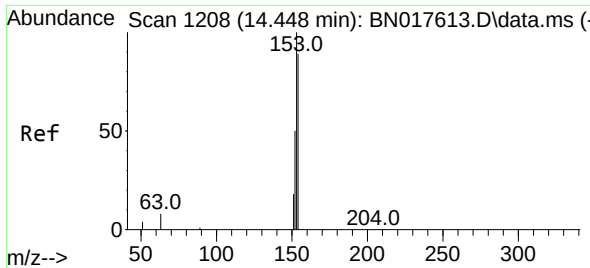


#16
Acenaphthylene
Concen: 1.239 ng
RT: 14.105 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58



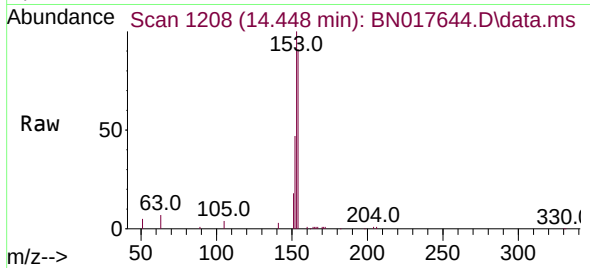
Tgt Ion:152 Resp: 281001
Ion Ratio Lower Upper
152 100
151 20.2 15.5 23.3
153 14.1 10.4 15.6





#17
Acenaphthene
Concen: 0.708 ng
RT: 14.448 min Scan# 1208
Delta R.T. -0.000 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

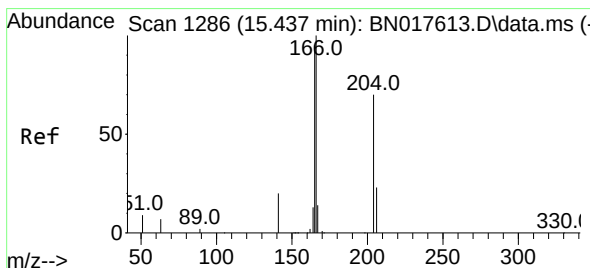
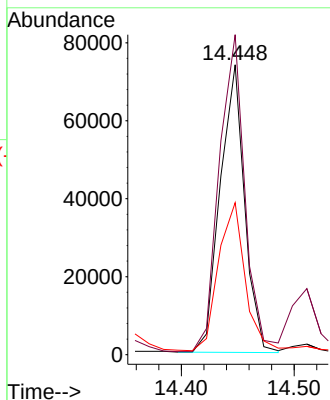
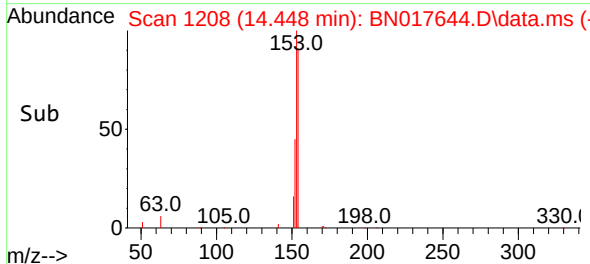
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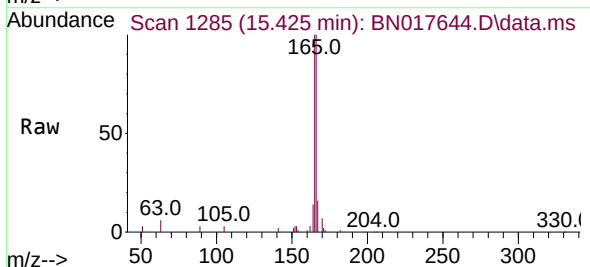
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Ion Ratio Lower Upper
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153 115.5 91.2 136.8
152 58.5 44.3 66.5

Manual Integrations
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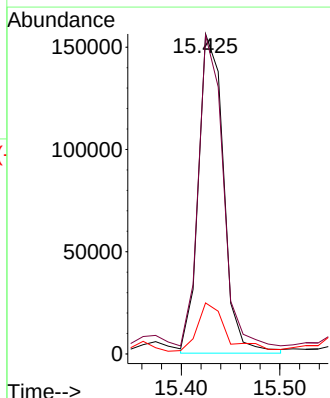
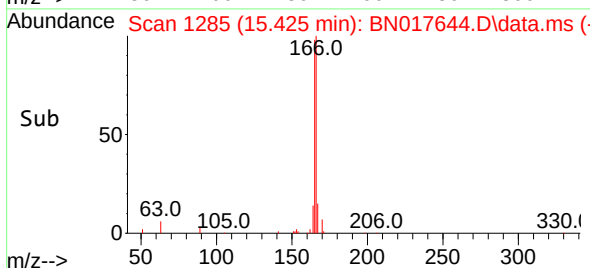
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021

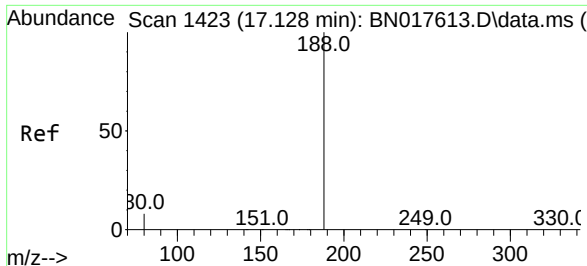


#18
Fluorene
Concen: 1.447 ng m
RT: 15.425 min Scan# 1285
Delta R.T. -0.012 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58



Tgt Ion:166 Resp: 275660
Ion Ratio Lower Upper
166 100
165 94.9 77.9 116.9
167 17.3 10.9 16.3#





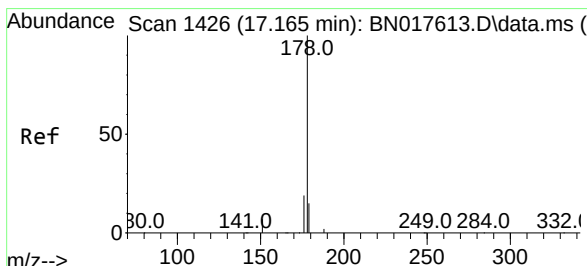
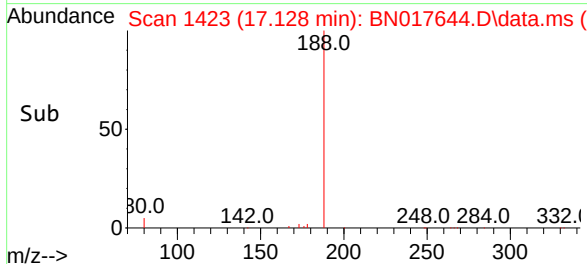
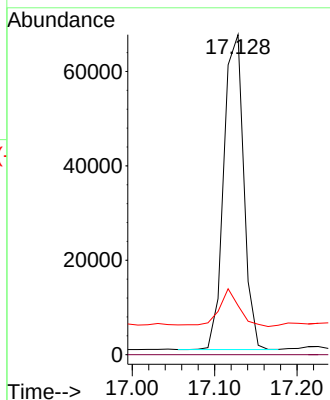
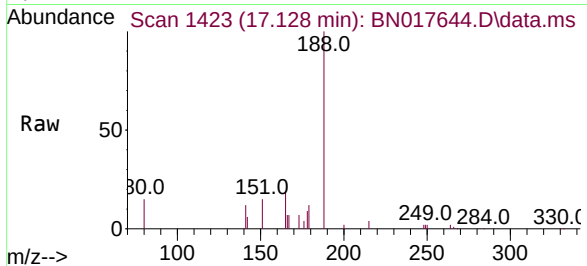
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.128 min Scan# 1423
Delta R.T. 0.000 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

Instrument :
BNA_N
ClientSampleId :
CS-5A

Tgt Ion:188 Resp: 112307
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 15.4 6.1 9.1

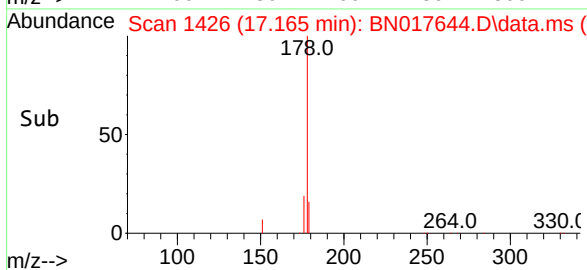
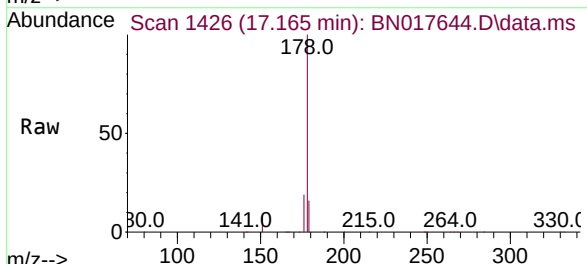
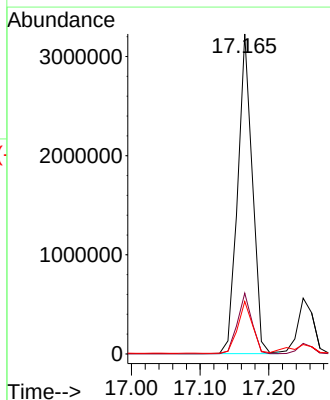
Manual Integrations
APPROVED

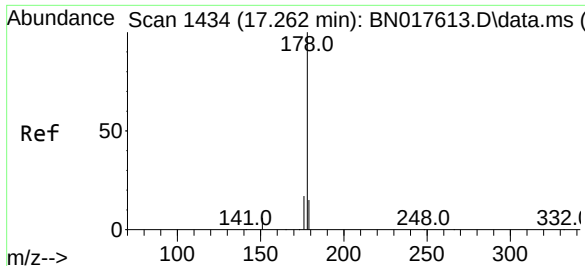
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021



#25
Phenanthrene
Concen: 15.535 ng
RT: 17.165 min Scan# 1426
Delta R.T. -0.000 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

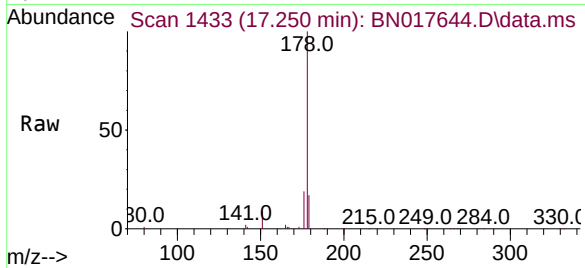
Tgt Ion:178 Resp: 4785125
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.6
179 16.2 12.3 18.5





#26
 Anthracene
 Concen: 3.155 ng
 RT: 17.250 min Scan# 1434
 Delta R.T. -0.012 min
 Lab File: BN017644.D
 Acq: 01 Dec 2021 10:58

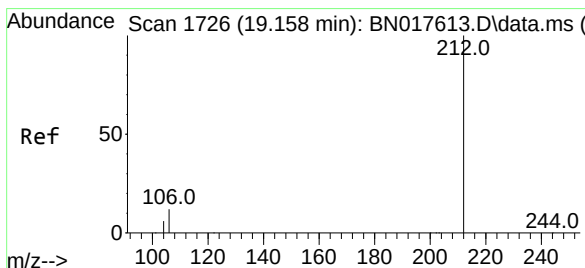
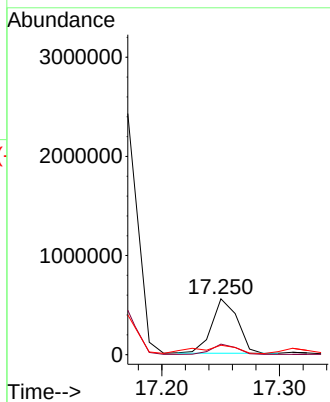
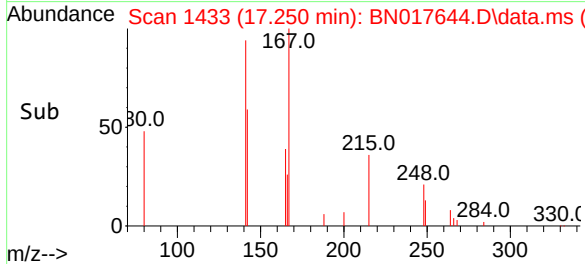
Instrument :
 BNA_N
 ClientSampleId :
 CS-5A



Tgt Ion:178 Resp: 835018
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.6 22.0
 179 23.1 12.2 18.4

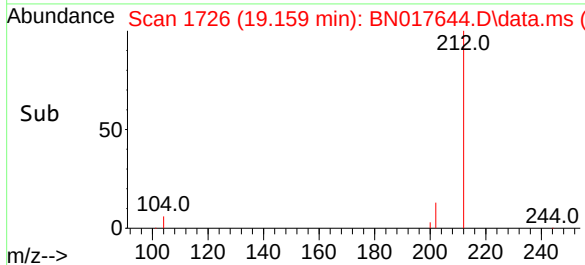
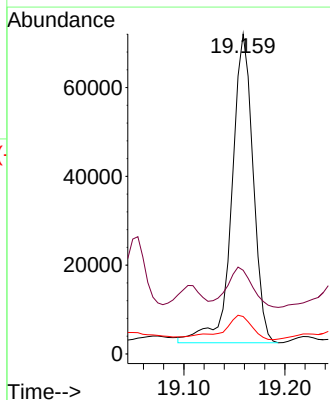
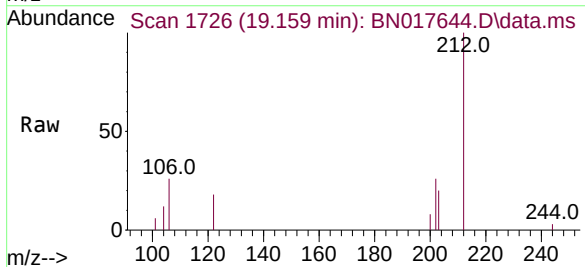
Manual Integrations
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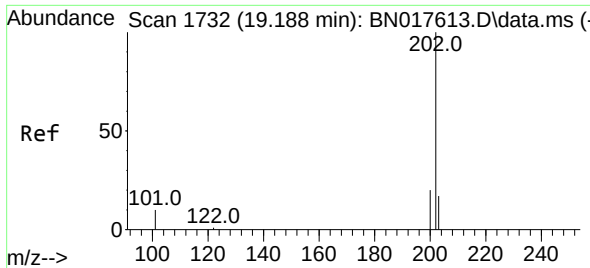
Reviewed By :Jagrut Upadhyay 12/01/2021
 Supervised By :mohammad ahmed 12/05/2021



#27
 Fluoranthene-d10
 Concen: 0.291 ng
 RT: 19.159 min Scan# 1726
 Delta R.T. 0.001 min
 Lab File: BN017644.D
 Acq: 01 Dec 2021 10:58

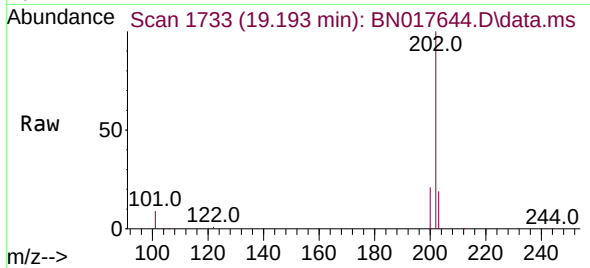
Tgt Ion:212 Resp: 102025
 Ion Ratio Lower Upper
 212 100
 106 15.2 10.5 15.7
 104 10.6 5.8 8.6





#28
Fluoranthene
Concen: 17.372 ng
RT: 19.193 min Scan# 1733
Delta R.T. 0.005 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

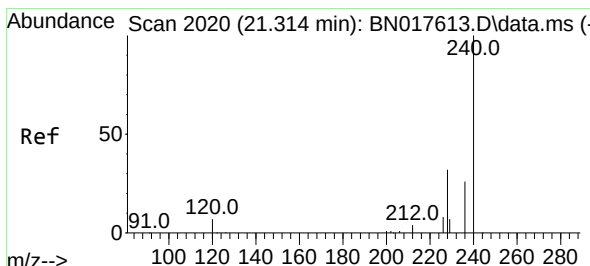
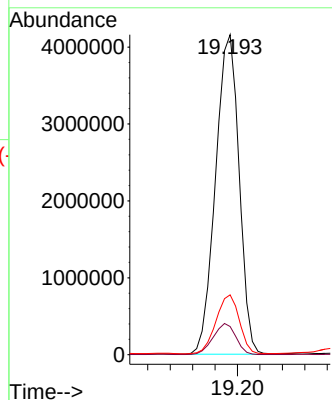
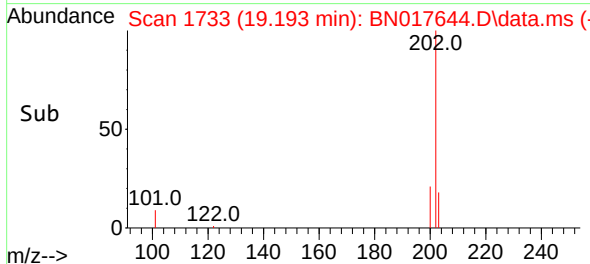
Instrument :
BNA_N
ClientSampleId :
CS-5A



Tgt Ion:202 Resp: 6055510
Ion Ratio Lower Upper
202 100
101 9.3 8.9 13.3
203 18.1 13.8 20.6

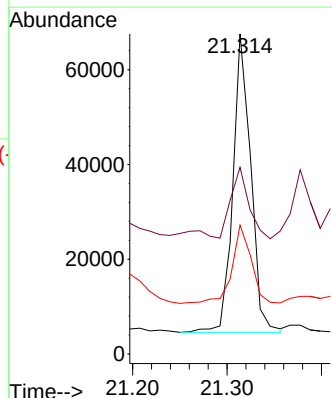
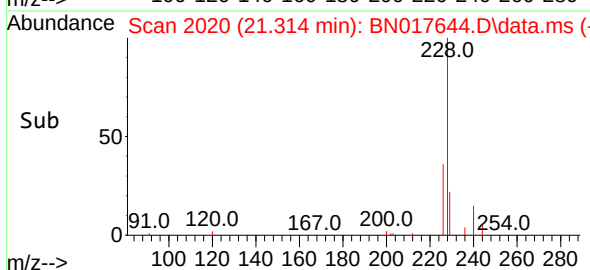
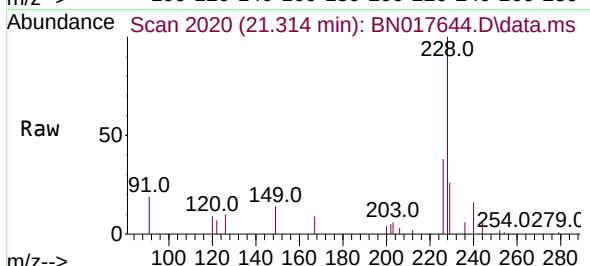
Manual Integrations
APPROVED

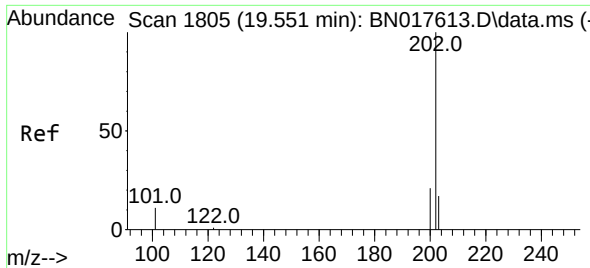
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.314 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

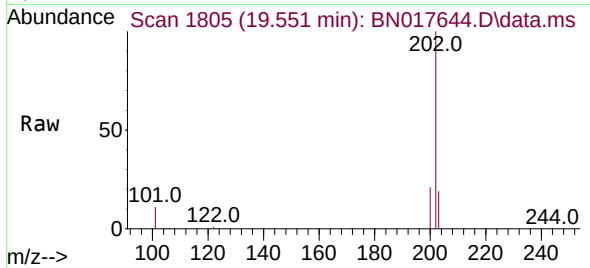
Tgt Ion:240 Resp: 82793
Ion Ratio Lower Upper
240 100
120 58.3 4.2 6.2#
236 40.2 20.0 30.0#





#30
Pyrene
Concen: 18.999 ng
RT: 19.551 min Scan# 1805
Delta R.T. -0.000 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

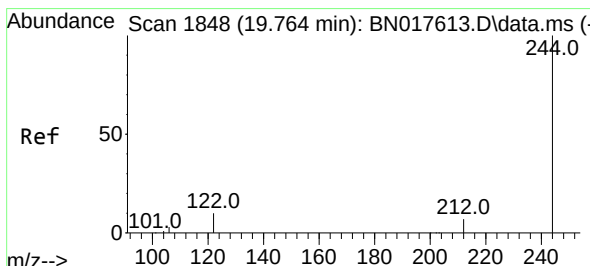
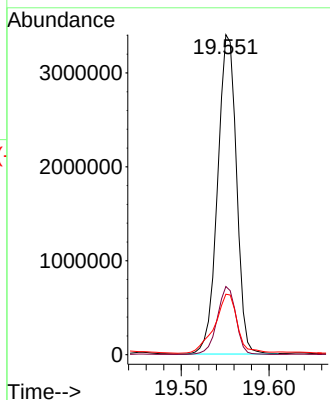
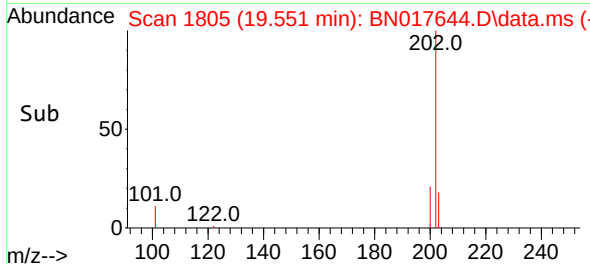
Instrument :
BNA_N
ClientSampleId :
CS-5A



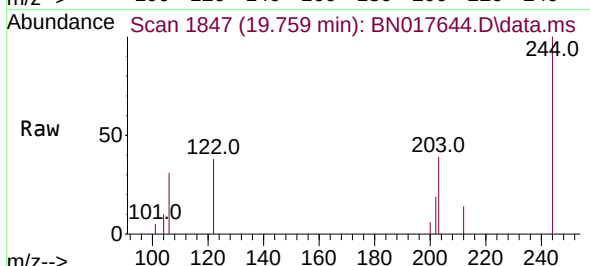
Tgt Ion:202 Resp: 5077779
Ion Ratio Lower Upper
202 100
200 20.9 16.5 24.7
203 22.1 14.0 21.0

Manual Integrations
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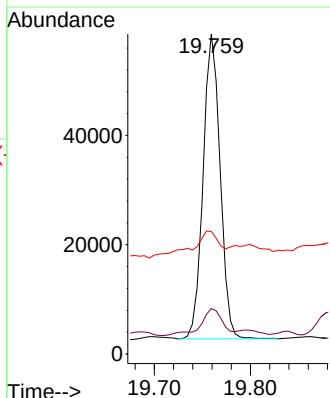
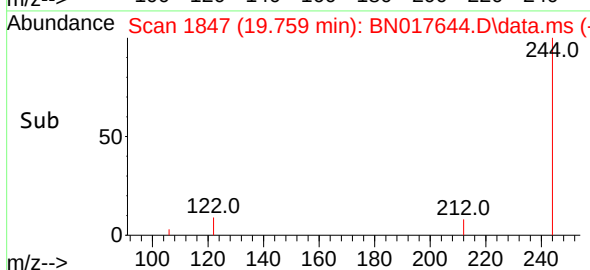
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021

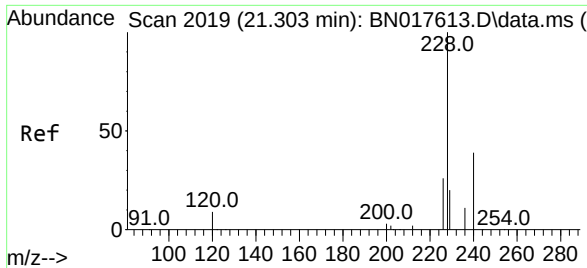


#31
Terphenyl-d14
Concen: 0.379 ng
RT: 19.759 min Scan# 1847
Delta R.T. -0.005 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58



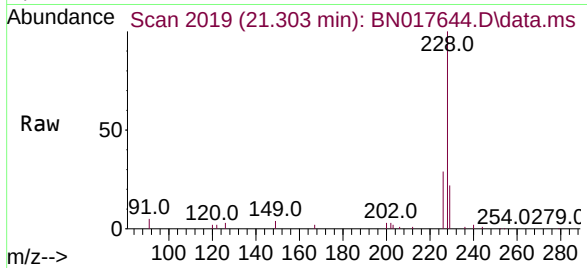
Tgt Ion:244 Resp: 68824
Ion Ratio Lower Upper
244 100
212 14.2 5.7 8.5#
122 38.3 8.6 13.0#





#32
Benzo(a)anthracene
Concen: 9.556 ng
RT: 21.303 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

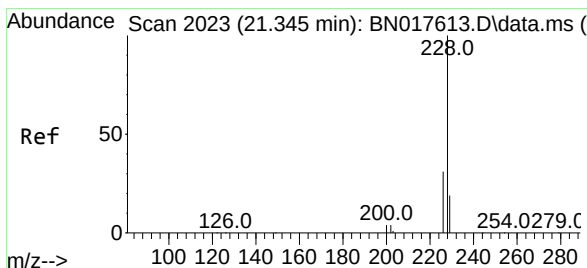
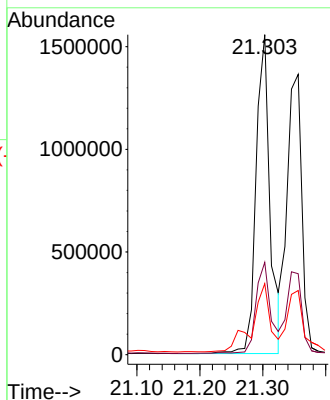
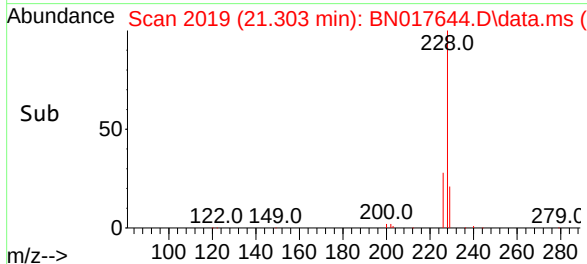
Instrument :
BNA_N
ClientSampleId :
CS-5A



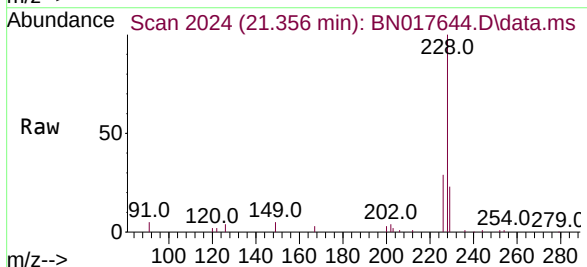
Tgt Ion:228 Resp: 240313
Ion Ratio Lower Upper
228 100
226 28.9 21.3 31.9
229 22.2 15.7 23.5

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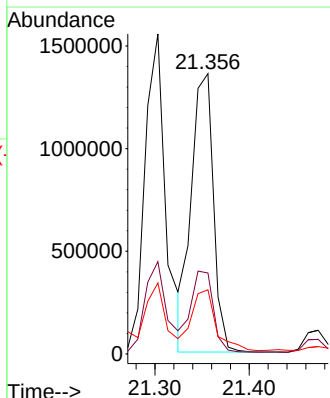
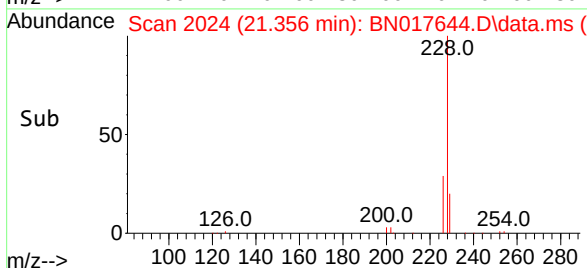
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021

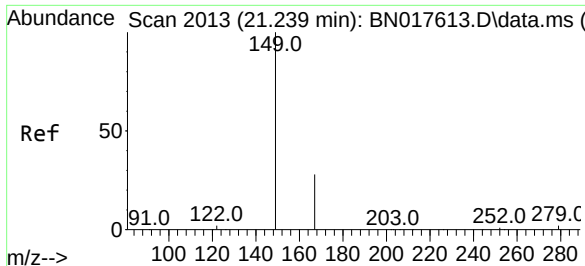


#33
Chrysene
Concen: 8.056 ng
RT: 21.356 min Scan# 2024
Delta R.T. 0.011 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58



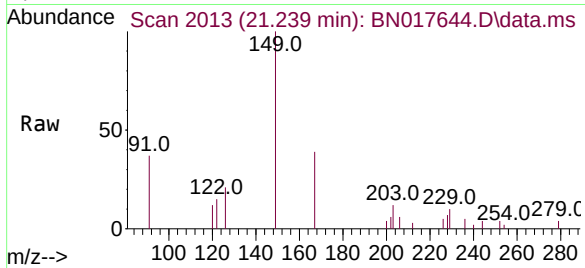
Tgt Ion:228 Resp: 2203850
Ion Ratio Lower Upper
228 100
226 28.9 23.3 34.9
229 22.9 15.6 23.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 3.230 ng
RT: 21.239 min Scan# 2013
Delta R.T. 0.000 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

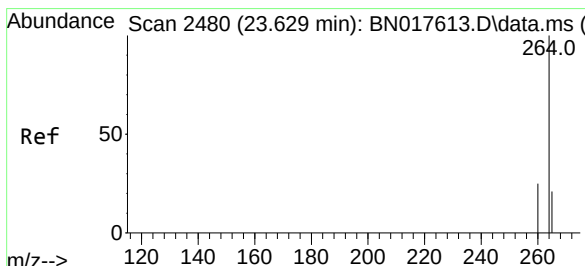
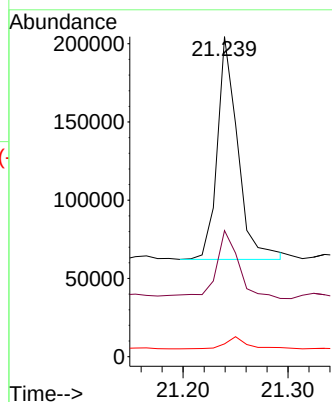
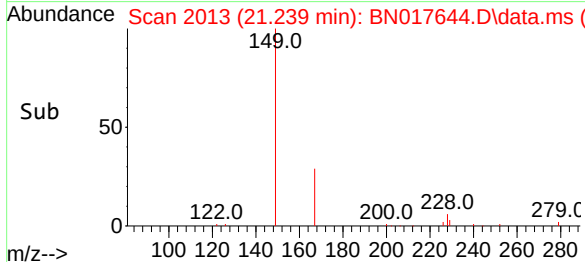
Instrument :
BNA_N
ClientSampleId :
CS-5A



Tgt Ion:149 Resp: 19266
Ion Ratio Lower Upper
149 100
167 34.5 21.8 32.6
279 5.8 3.4 5.0

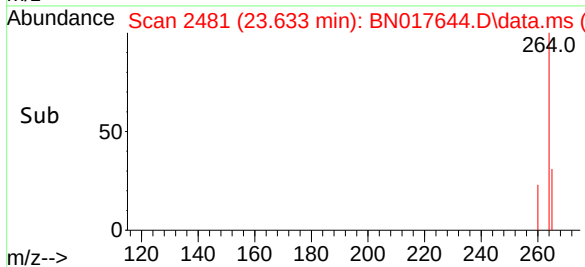
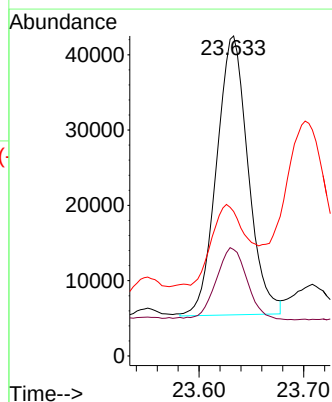
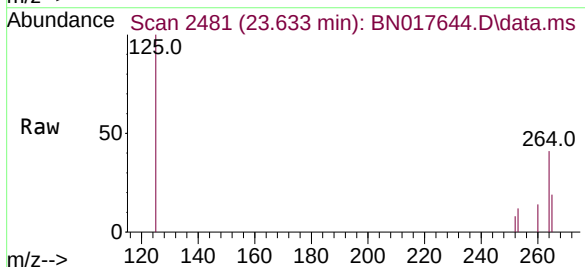
Manual Integrations
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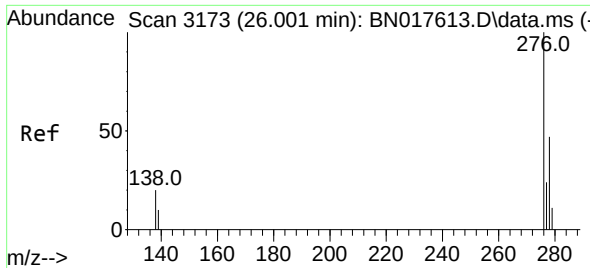
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.633 min Scan# 2481
Delta R.T. 0.004 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

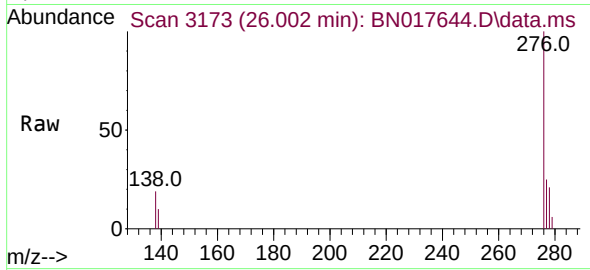
Tgt Ion:264 Resp: 77583
Ion Ratio Lower Upper
264 100
260 33.3 19.4 29.2#
265 45.1 18.6 28.0#





#36
Indeno(1,2,3-cd)pyrene
Concen: 3.132 ng
RT: 26.002 min Scan# 3173
Delta R.T. 0.000 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

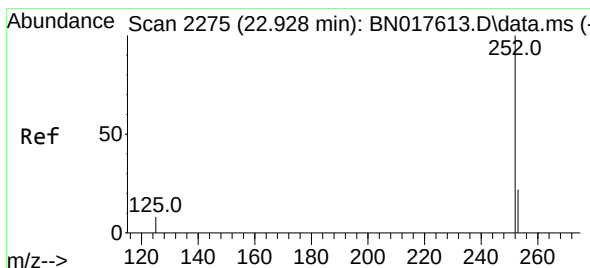
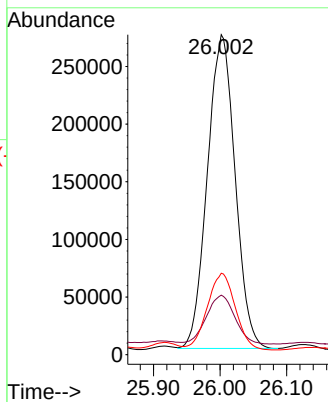
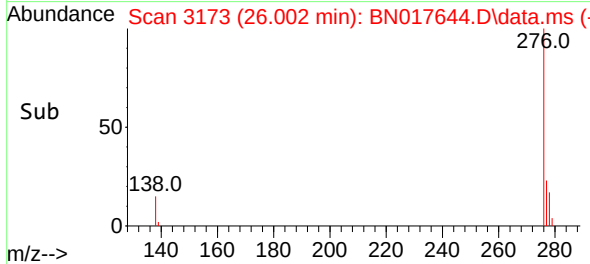
Instrument :
BNA_N
ClientSampleId :
CS-5A



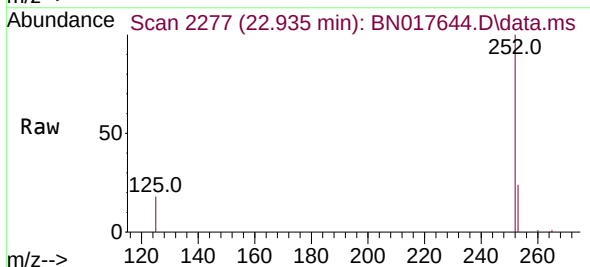
Tgt Ion:276 Resp: 78915
Ion Ratio Lower Upper
276 100
138 15.9 19.7 29.5
277 24.7 20.0 30.0

Manual Integrations
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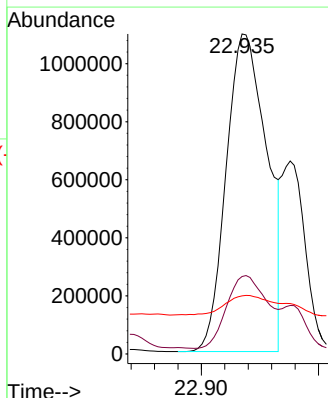
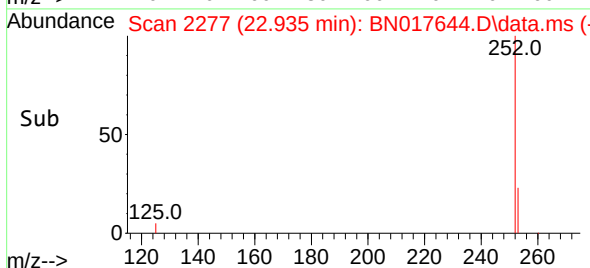
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021

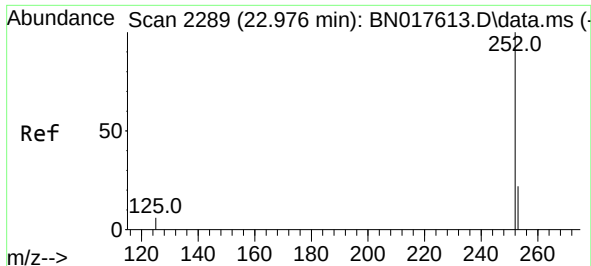


#37
Benzo(b)fluoranthene
Concen: 10.322 ng
RT: 22.935 min Scan# 2277
Delta R.T. 0.007 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58



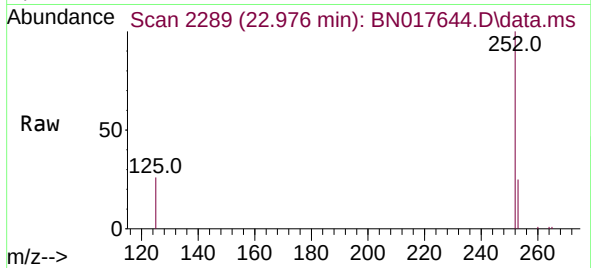
Tgt Ion:252 Resp: 2655582
Ion Ratio Lower Upper
252 100
253 24.2 17.7 26.5
125 18.1 7.8 11.8#





#38
Benzo(k)fluoranthene
Concen: 3.498 ng m
RT: 22.976 min Scan# 2289
Delta R.T. 0.000 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

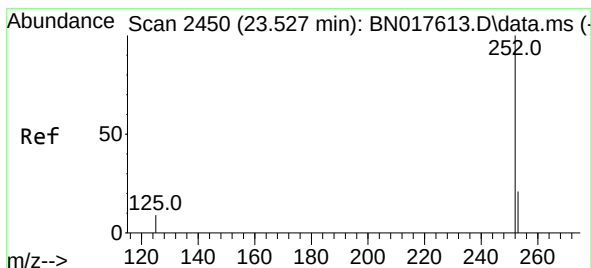
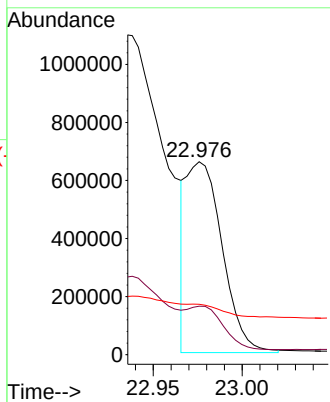
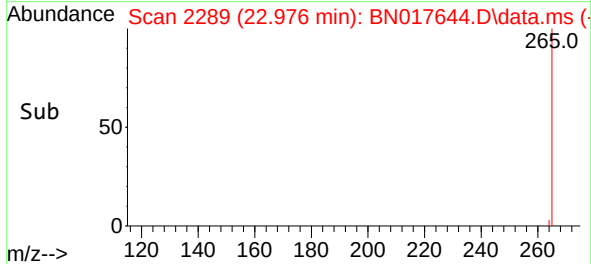
Instrument :
BNA_N
ClientSampleId :
CS-5A



Tgt Ion:252 Resp: 922742
Ion Ratio Lower Upper
252 100
253 25.1 17.7 26.5
125 26.2 8.2 12.2

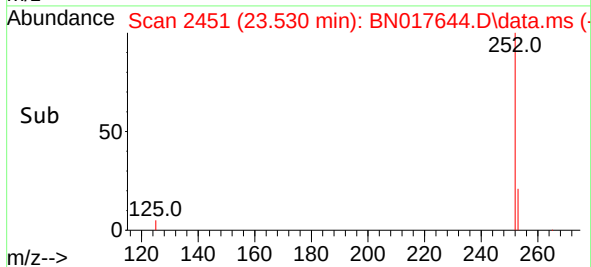
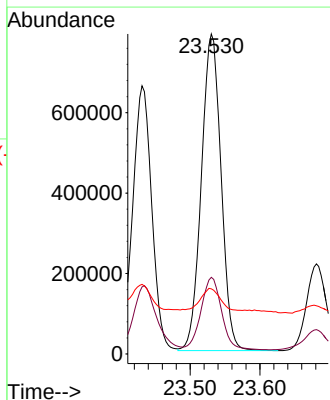
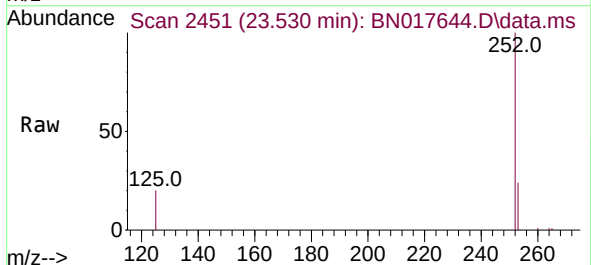
Manual Integrations
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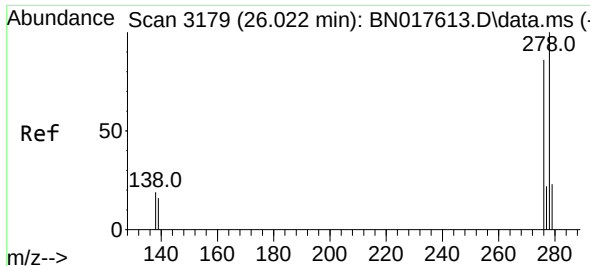
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021



#39
Benzo(a)pyrene
Concen: 6.707 ng
RT: 23.530 min Scan# 2451
Delta R.T. 0.004 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

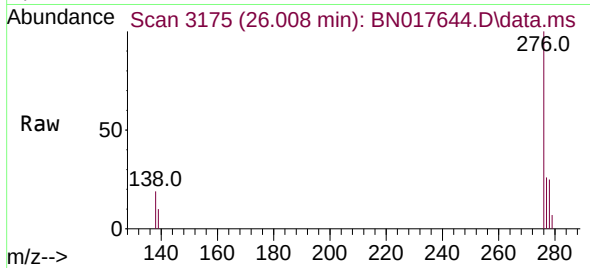
Tgt Ion:252 Resp: 1544650
Ion Ratio Lower Upper
252 100
253 23.9 17.9 26.9
125 20.4 9.2 13.8





#40
Dibenzo(a,h)anthracene
Concen: 0.988 ng
RT: 26.008 min Scan# 3175
Delta R.T. -0.014 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

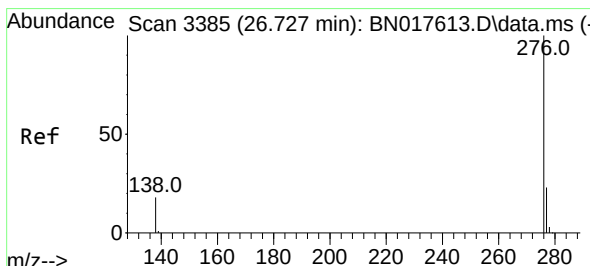
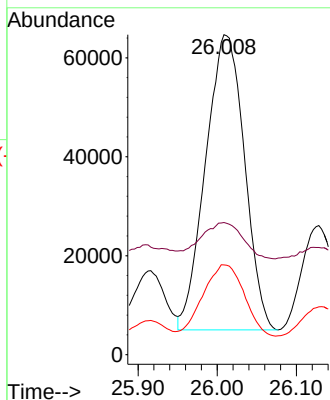
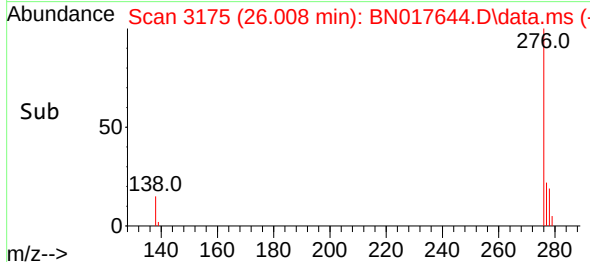
Instrument :
BNA_N
ClientSampleId :
CS-5A



Tgt Ion:278 Resp: 203438
Ion Ratio Lower Upper
278 100
139 41.3 13.0 19.6
279 28.0 19.2 28.8

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021



#41
Benzo(g,h,i)perylene
Concen: 3.154 ng
RT: 26.727 min Scan# 3385
Delta R.T. 0.000 min
Lab File: BN017644.D
Acq: 01 Dec 2021 10:58

Tgt Ion:276 Resp: 667987
Ion Ratio Lower Upper
276 100
277 24.7 19.0 28.4
138 19.0 17.1 25.7

