

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031122\
 Data File : BN018916.D
 Acq On : 10 Mar 2022 23:12
 Operator : CG/JU
 Sample : N1862-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 V-2-0309-2A

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/11/2022
 Supervised By : Jagrut Upadhyay 03/11/2022

Quant Time: Mar 11 03:05:53 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN030322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 11 03:02:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	5387	0.400	ng	0.00
7) Naphthalene-d8	10.712	136	16576	0.400	ng	# 0.00
13) Acenaphthene-d10	14.538	164	10500	0.400	ng	0.00
19) Phenanthrene-d10	17.277	188	22902	0.400	ng	# 0.00
29) Chrysene-d12	21.449	240	20964	0.400	ng	# 0.00
35) Perylene-d12	23.843	264	22877	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.464	112	3656	0.310	ng	0.00
5) Phenol-d6	7.060	99	4837	0.342	ng	0.00
8) Nitrobenzene-d5	9.057	82	2978	0.246	ng	0.00
11) 2-Methylnaphthalene-d10	12.299	152	6695	0.248	ng	0.00
14) 2,4,6-Tribromophenol	16.015	330	1258	0.260	ng	-0.01
15) 2-Fluorobiphenyl	13.170	172	10360	0.230	ng	0.00
27) Fluoranthene-d10	19.303	212	16207	0.240	ng	0.00
31) Terphenyl-d14	19.894	244	12236	0.273	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.754	128	102205	2.151	ng	100
12) 2-Methylnaphthalene	12.371	142	29922	0.904	ng	99
16) Acenaphthylene	14.260	152	162257	3.388	ng	100
17) Acenaphthene	14.602	154	86545	2.546	ng	99
18) Fluorene	15.575	166	129503	2.930	ng	99
25) Phenanthrene	17.318	178	2359151	31.020	ng	99
26) Anthracene	17.410	178	522233	8.153	ng	# 95
28) Fluoranthene	19.337	202	3556086	41.143	ng	98
30) Pyrene	19.695	202	3152735	33.684	ng	# 95
32) Benzo(a)anthracene	21.440	228	1713636	21.765	ng	94
33) Chrysene	21.485	228	1420306	16.417	ng	96
34) Bis(2-ethylhexyl)phtha...	21.360	149	10706	0.220	ng	# 96
36) Indeno(1,2,3-cd)pyrene	26.325	276	907279	8.823	ng	# 92
37) Benzo(b)fluoranthene	23.121	252	1899154	17.833	ng	# 95
38) Benzo(k)fluoranthene	23.162	252	733259m	6.978	ng	
39) Benzo(a)pyrene	23.741	252	1464486m	17.897	ng	
40) Dibenzo(a,h)anthracene	26.331	278	195588	2.482	ng	98
41) Benzo(g,h,i)perylene	27.091	276	887099	10.479	ng	97

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

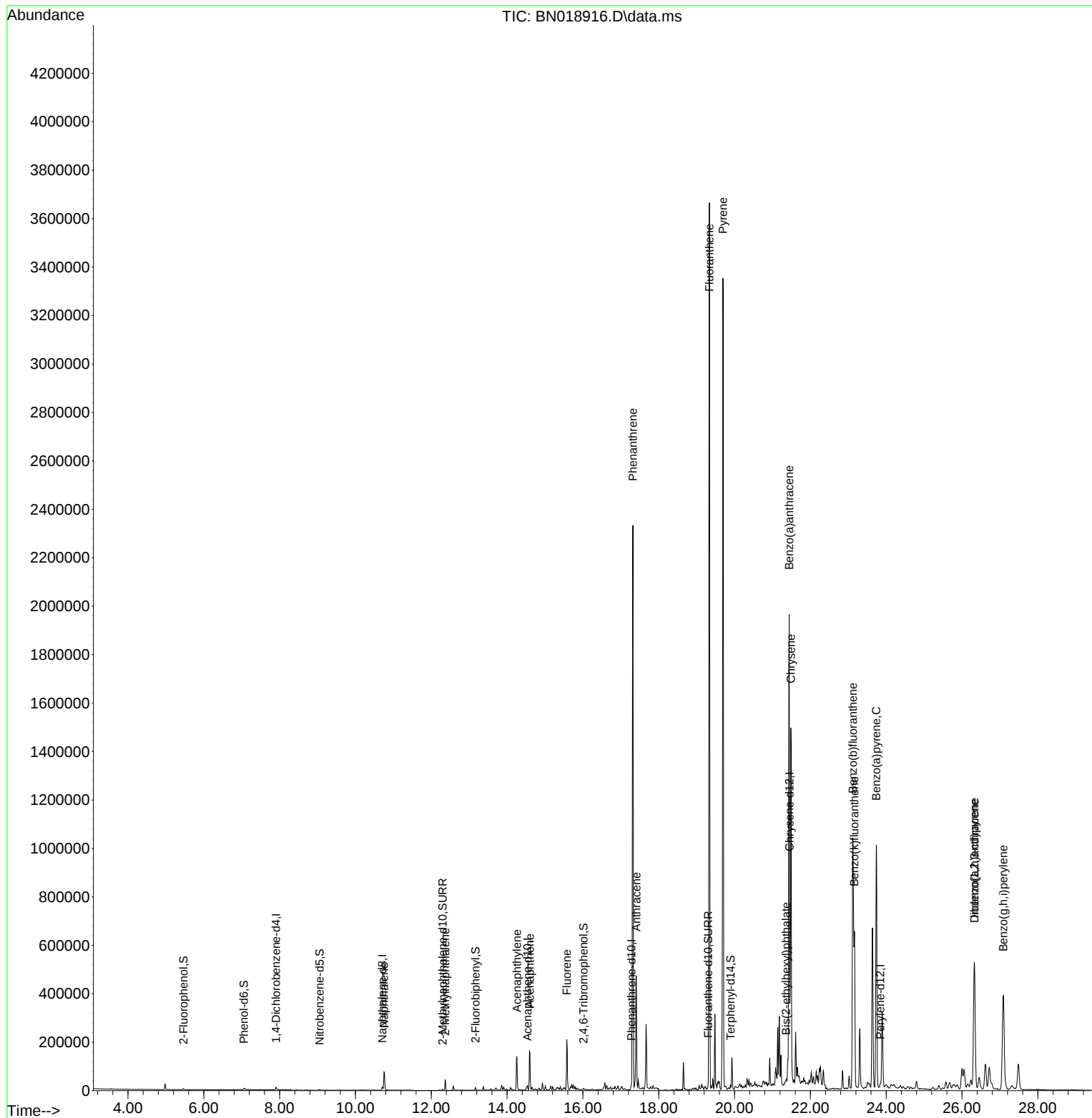
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031122\
Data File : BN018916.D
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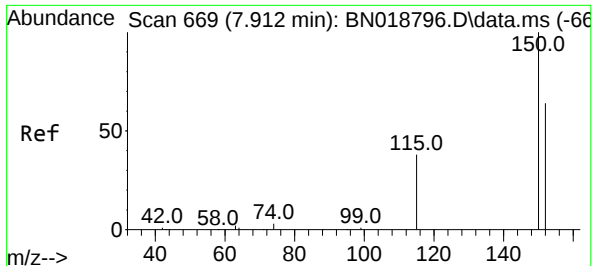
Instrument :
BNA_N
ClientSampleId :
V-2-0309-2A

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN030322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 11 03:02:57 2022
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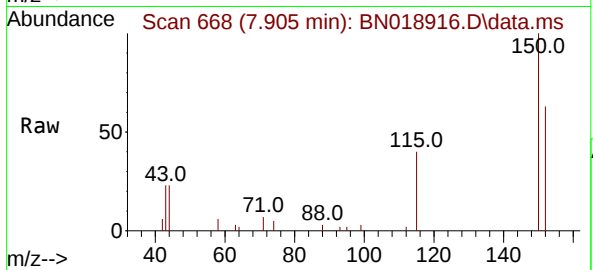
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.905 min Scan# 669
Delta R.T. -0.007 min
Lab File: BN018916.D
Acq: 10 Mar 2022 23:12

Instrument :

BNA_N

ClientSampleId :

V-2-0309-2A

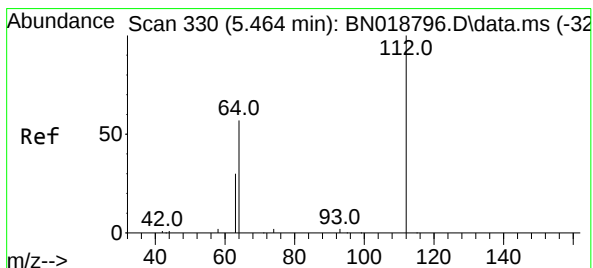
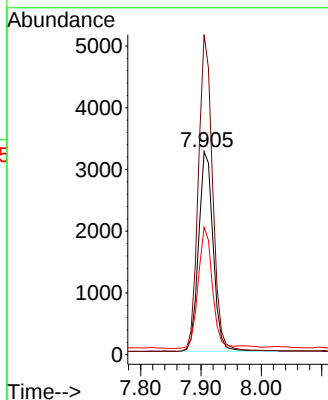
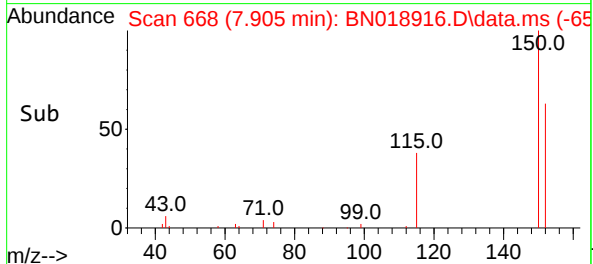


Tgt Ion:152 Resp: 538
Ion Ratio Lower Upper
152 100
150 157.6 123.9 185.9
115 62.8 48.2 72.4

Manual Integrations

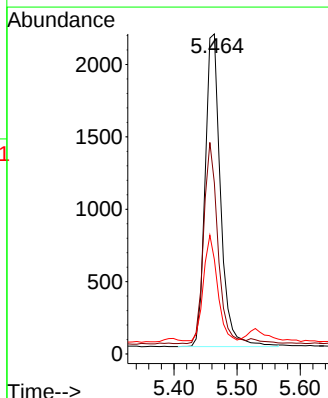
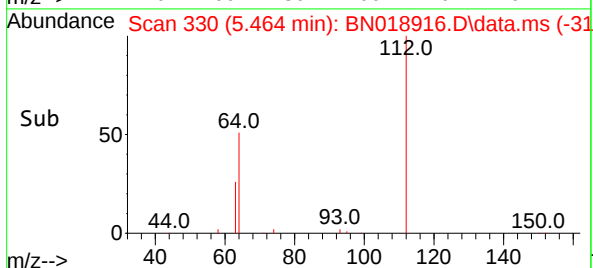
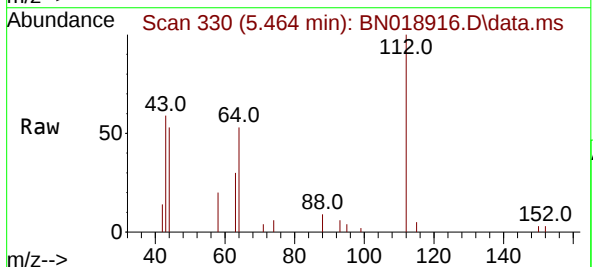
APPROVED

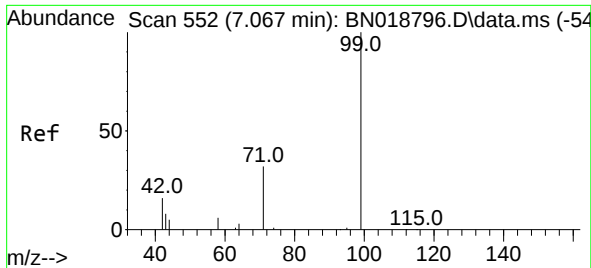
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Supervised By :Jagrut Upadhyay 03/11/2022



#4
2-Fluorophenol
Concen: 0.310 ng
RT: 5.464 min Scan# 330
Delta R.T. 0.007 min
Lab File: BN018916.D
Acq: 10 Mar 2022 23:12

Tgt Ion:112 Resp: 3656
Ion Ratio Lower Upper
112 100
64 59.4 47.8 71.8
63 30.7 25.7 38.5





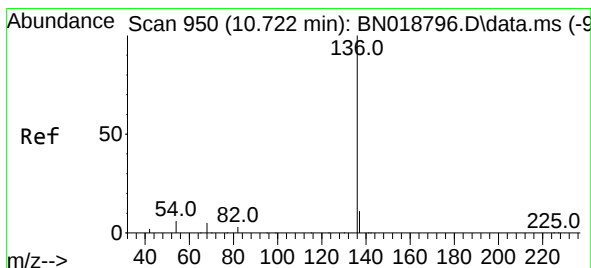
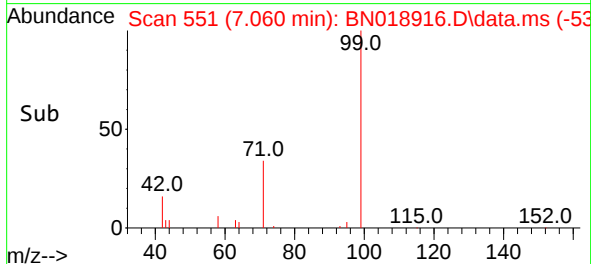
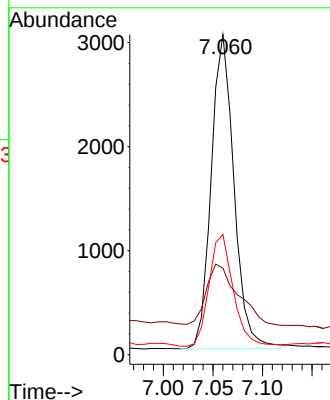
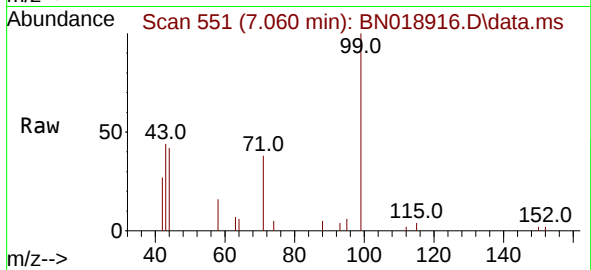
#5
Phenol-d6
Concen: 0.342 ng
RT: 7.060 min Scan# 511
Delta R.T. 0.000 min
Lab File: BN018916.D
Acq: 10 Mar 2022 23:12

Instrument :
BNA_N
ClientSampleId :
V-2-0309-2A

Tgt Ion: 99 Resp: 483
Ion Ratio Lower Upper
99 100
42 26.8 16.2 24.4
71 37.6 27.7 41.5

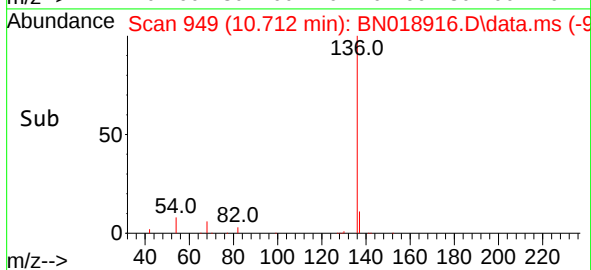
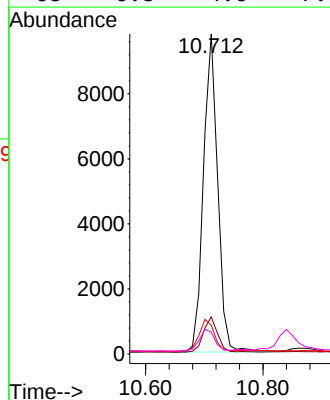
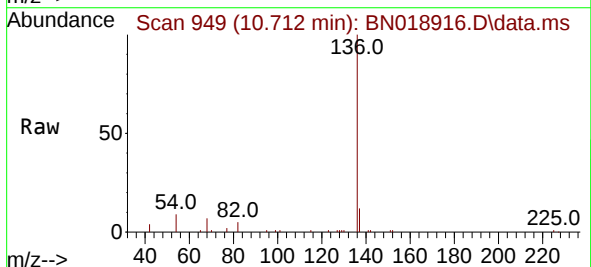
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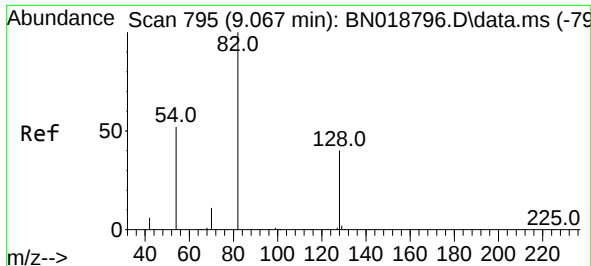
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.712 min Scan# 949
Delta R.T. 0.000 min
Lab File: BN018916.D
Acq: 10 Mar 2022 23:12

Tgt Ion:136 Resp: 16576
Ion Ratio Lower Upper
136 100
137 11.6 9.0 13.4
54 9.0 5.8 8.6
68 6.8 4.6 7.0





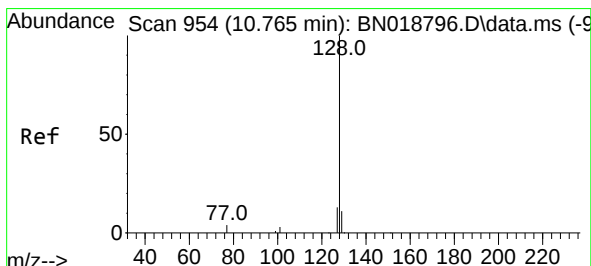
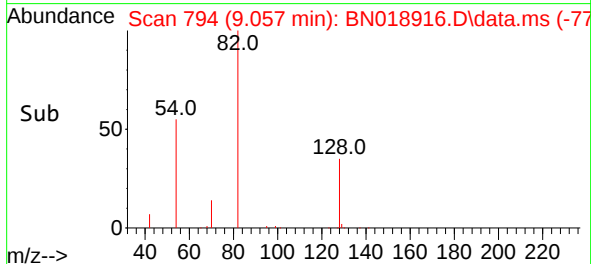
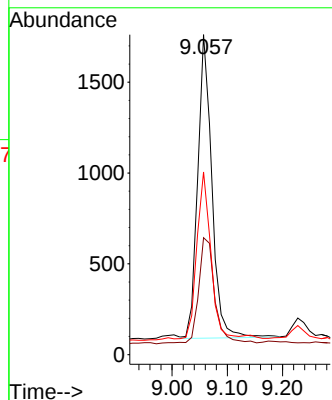
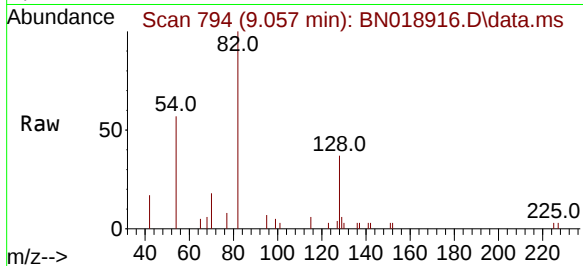
#8
Nitrobenzene-d5
Concen: 0.246 ng
RT: 9.057 min Scan# 794
Delta R.T. 0.000 min
Lab File: BN018916.D
Acq: 10 Mar 2022 23:12

Instrument :
BNA_N
ClientSampleId :
V-2-0309-2A

Tgt Ion: 82 Resp: 2978
Ion Ratio Lower Upper
82 100
128 36.5 33.0 49.6
54 57.1 42.5 63.7

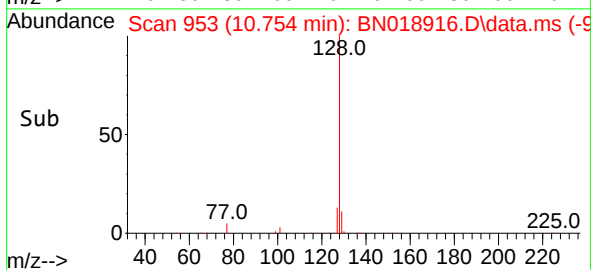
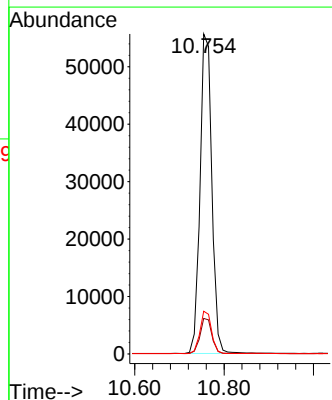
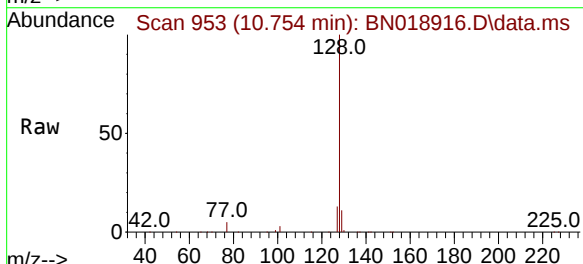
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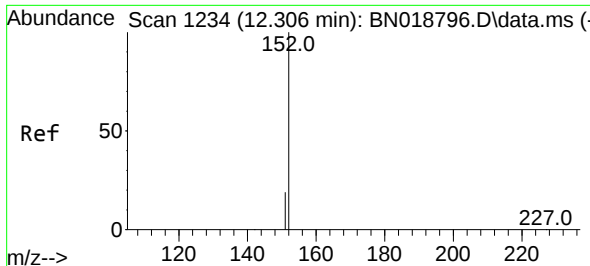
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#9
Naphthalene
Concen: 2.151 ng
RT: 10.754 min Scan# 953
Delta R.T. -0.011 min
Lab File: BN018916.D
Acq: 10 Mar 2022 23:12

Tgt Ion:128 Resp: 102205
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 13.3 10.7 16.1





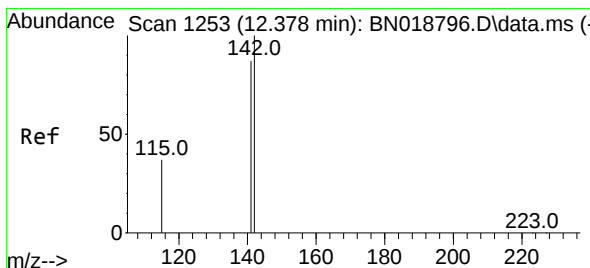
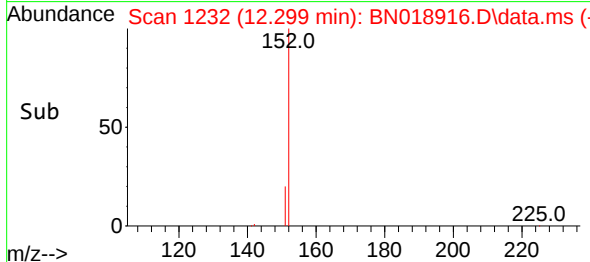
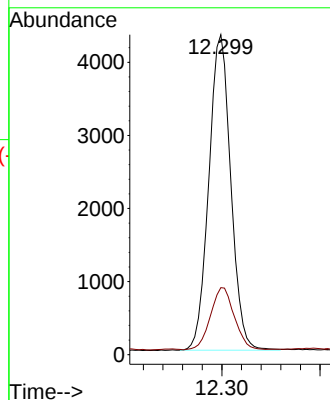
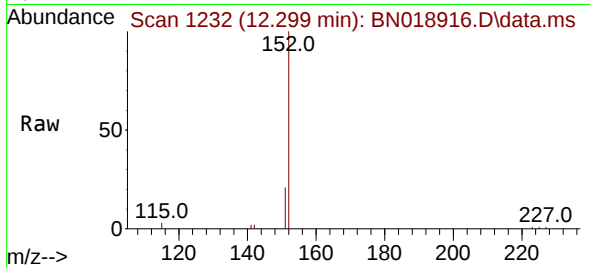
#11
2-Methylnaphthalene-d10
Concen: 0.248 ng
RT: 12.299 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN018916.D
Acq: 10 Mar 2022 23:12

Instrument :
BNA_N
ClientSampleId :
V-2-0309-2A

Tgt Ion:152 Resp: 669
Ion Ratio Lower Upper
152 100
151 21.4 16.5 24.7

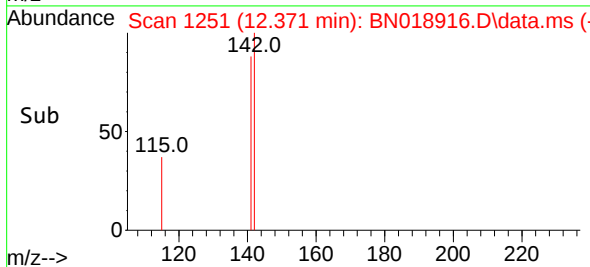
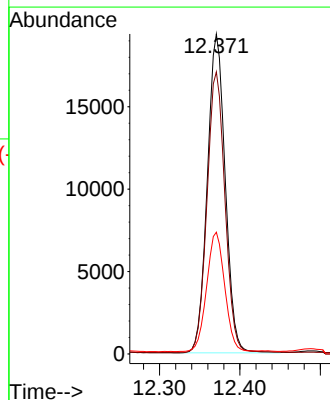
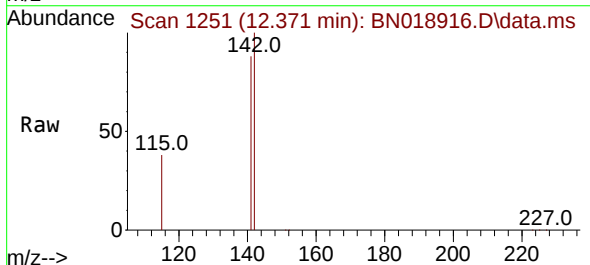
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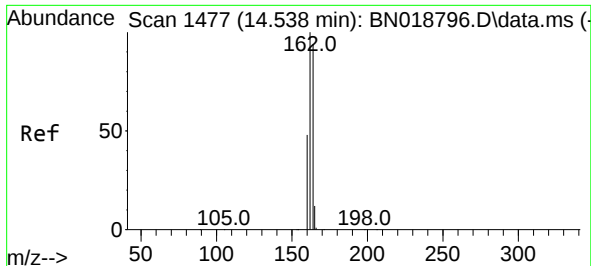
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#12
2-Methylnaphthalene
Concen: 0.904 ng
RT: 12.371 min Scan# 1251
Delta R.T. 0.000 min
Lab File: BN018916.D
Acq: 10 Mar 2022 23:12

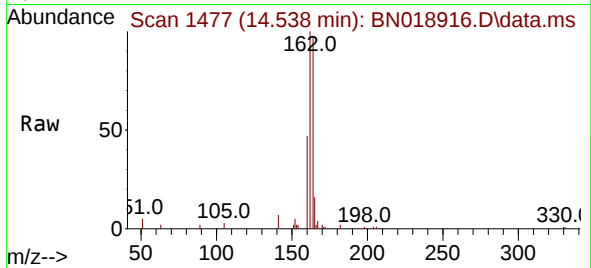
Tgt Ion:142 Resp: 29922
Ion Ratio Lower Upper
142 100
141 88.1 70.0 105.0
115 38.1 29.8 44.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.538 min Scan# 1477
Delta R.T. 0.000 min
Lab File: BN018916.D
Acq: 10 Mar 2022 23:12

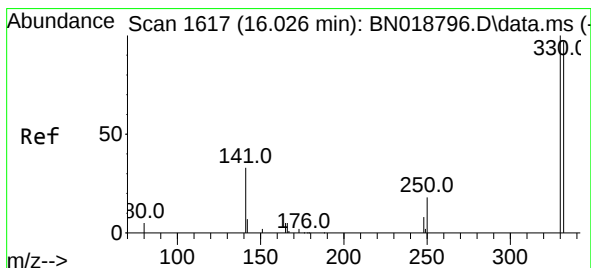
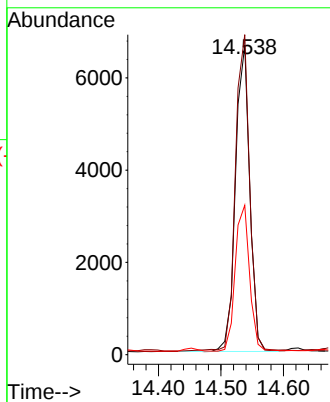
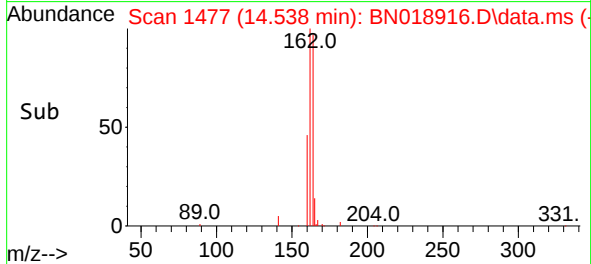
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BNA_N
ClientSampleId :
V-2-0309-2A



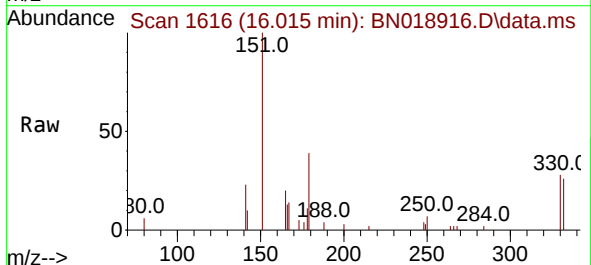
Tgt Ion:164 Resp: 10500
Ion Ratio Lower Upper
164 100
162 103.4 85.2 127.8
160 48.3 41.5 62.3

Manual Integrations
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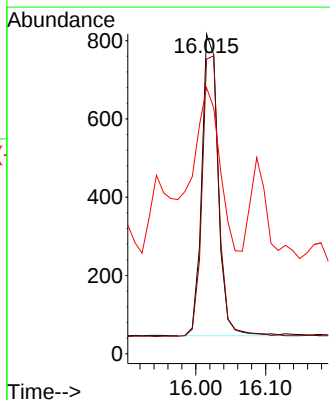
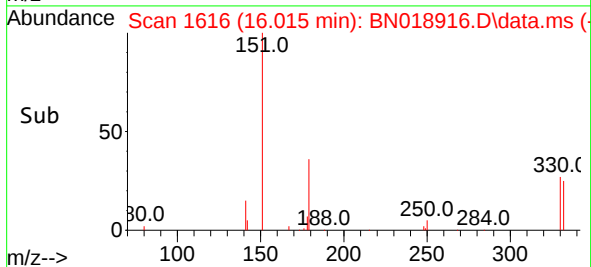
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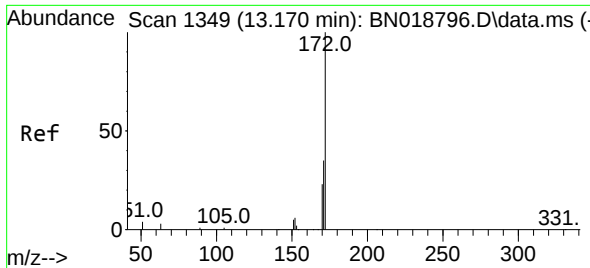


#14
2,4,6-Tribromophenol
Concen: 0.260 ng
RT: 16.015 min Scan# 1616
Delta R.T. -0.010 min
Lab File: BN018916.D
Acq: 10 Mar 2022 23:12



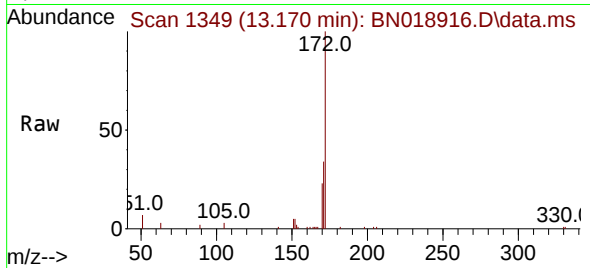
Tgt Ion:330 Resp: 1258
Ion Ratio Lower Upper
330 100
332 97.1 76.8 115.2
141 84.3 32.2 48.2#





#15
2-Fluorobiphenyl
Concen: 0.230 ng
RT: 13.170 min Scan# 1349
Delta R.T. 0.000 min
Lab File: BN018916.D
Acq: 10 Mar 2022 23:12

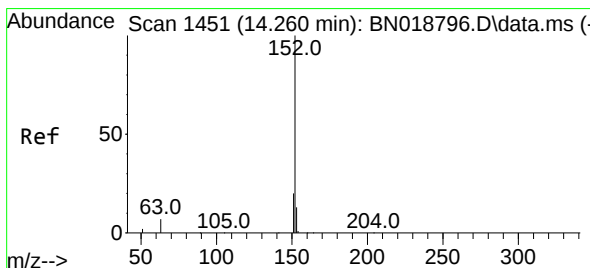
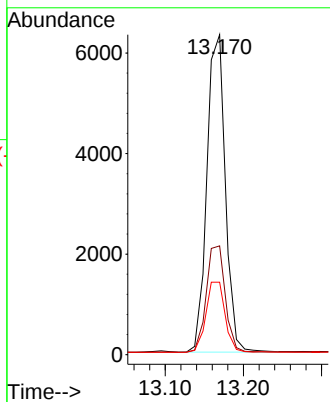
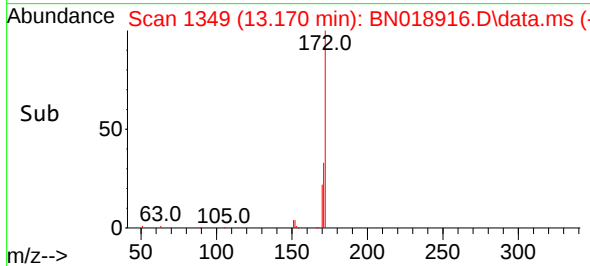
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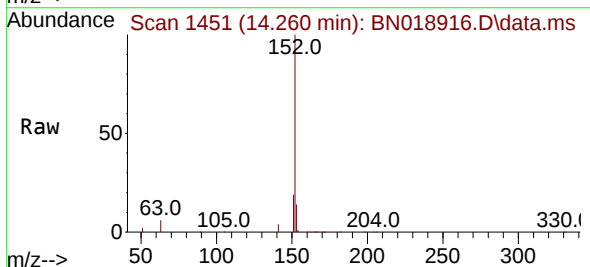
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Ion Ratio Lower Upper
172 100
171 34.0 28.2 42.2
170 22.7 18.7 28.1

Manual Integrations
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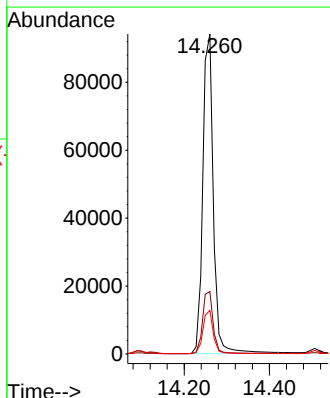
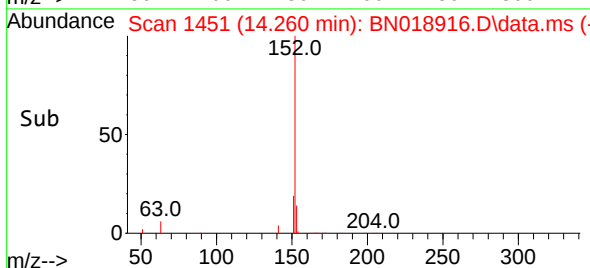
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Supervised By :Jagrut Upadhyay 03/11/2022

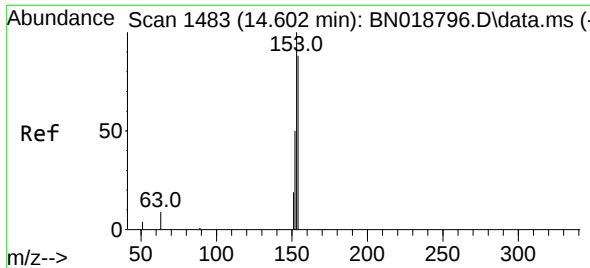


#16
Acenaphthylene
Concen: 3.388 ng
RT: 14.260 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BN018916.D
Acq: 10 Mar 2022 23:12



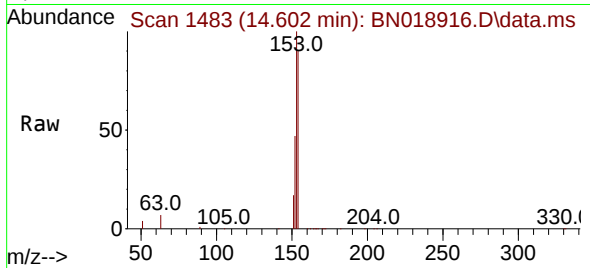
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Ion Ratio Lower Upper
152 100
151 19.9 15.9 23.9
153 13.5 10.6 15.8





#17
Acenaphthene
Concen: 2.546 ng
RT: 14.602 min Scan# 1483
Delta R.T. 0.000 min
Lab File: BN018916.D
Acq: 10 Mar 2022 23:12

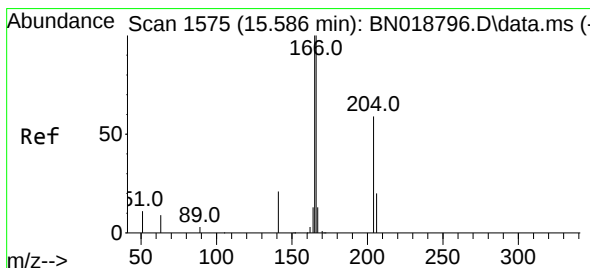
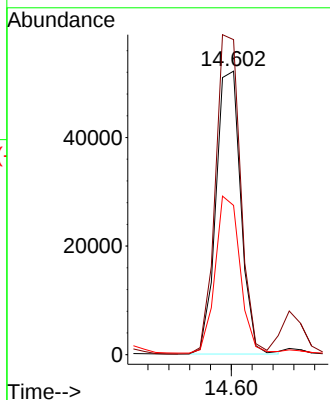
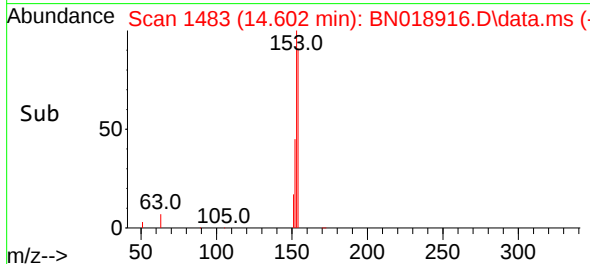
Instrument :
BNA_N
ClientSampleId :
V-2-0309-2A



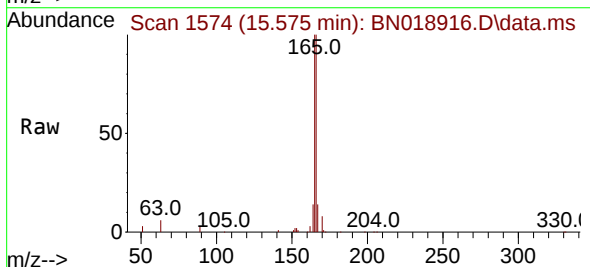
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Ion Ratio Lower Upper
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153 113.7 89.7 134.5
152 55.4 44.7 67.1

Manual Integrations
APPROVED

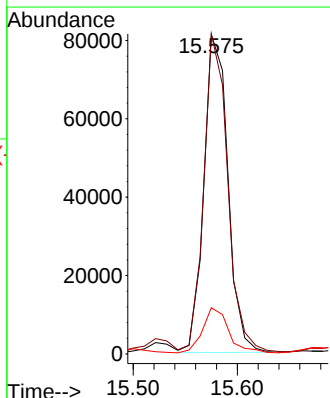
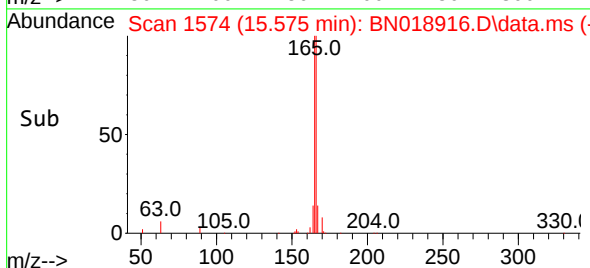
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022

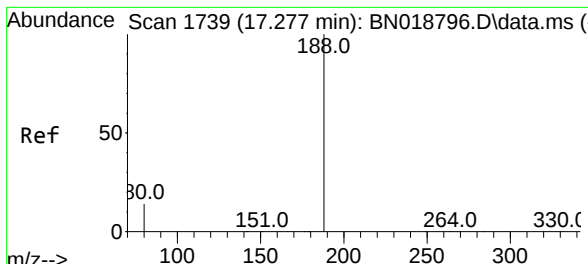


#18
Fluorene
Concen: 2.930 ng
RT: 15.575 min Scan# 1574
Delta R.T. -0.011 min
Lab File: BN018916.D
Acq: 10 Mar 2022 23:12



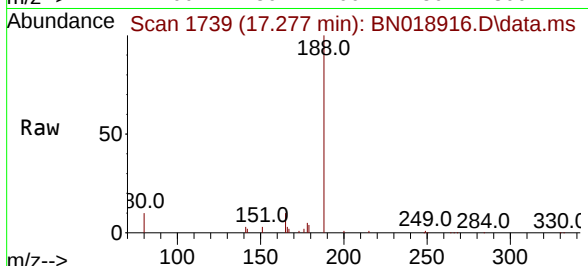
Tgt Ion:166 Resp: 129503
Ion Ratio Lower Upper
166 100
165 99.5 79.2 118.8
167 15.4 10.7 16.1





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.277 min Scan# 1739
Delta R.T. 0.000 min
Lab File: BN018916.D
Acq: 10 Mar 2022 23:12

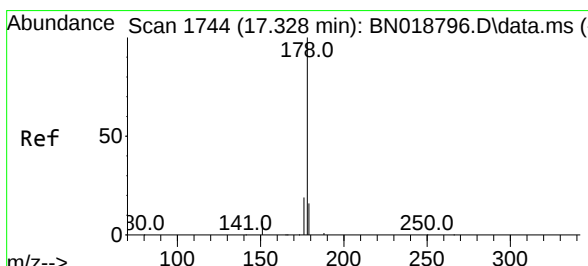
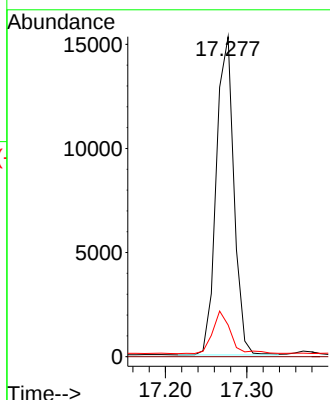
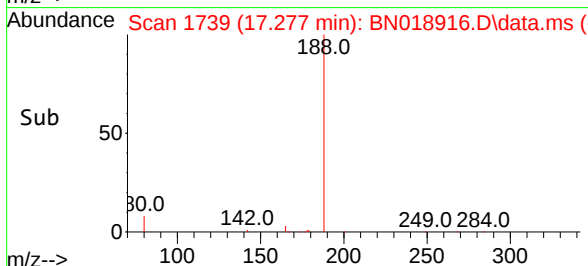
Instrument :
BNA_N
ClientSampleId :
V-2-0309-2A



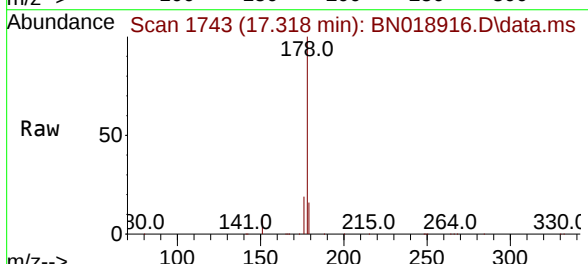
Tgt Ion:188 Resp: 2290
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.9 11.8 17.8

Manual Integrations
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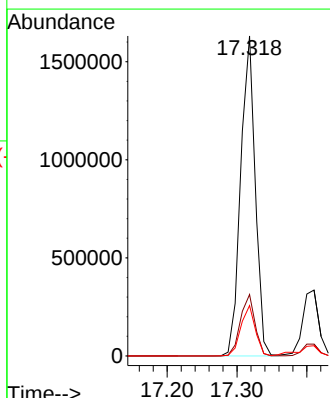
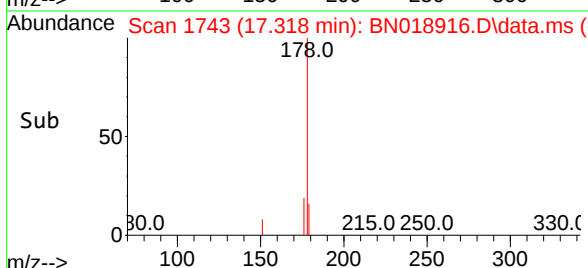
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022

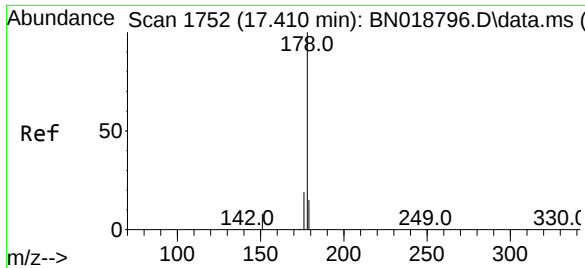


#25
Phenanthrene
Concen: 31.020 ng
RT: 17.318 min Scan# 1743
Delta R.T. 0.000 min
Lab File: BN018916.D
Acq: 10 Mar 2022 23:12



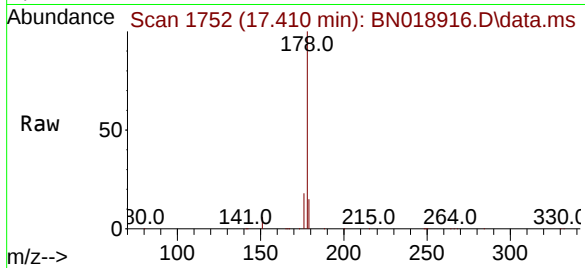
Tgt Ion:178 Resp: 2359151
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.6 12.2 18.2





#26
 Anthracene
 Concen: 8.153 ng
 RT: 17.410 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN018916.D
 Acq: 10 Mar 2022 23:12

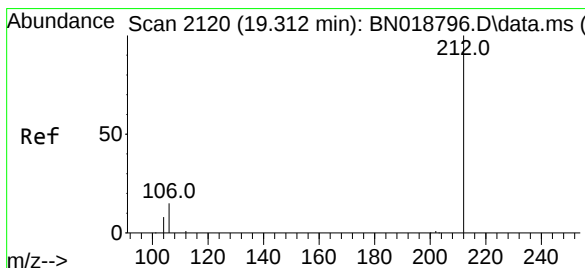
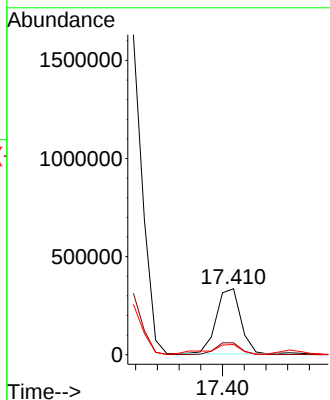
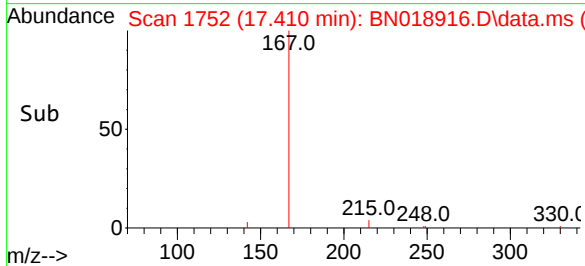
Instrument :
 BNA_N
 ClientSampleId :
 V-2-0309-2A



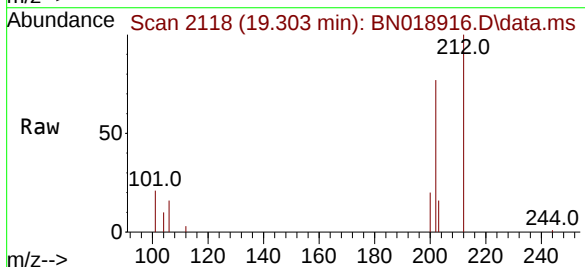
Tgt Ion:178 Resp: 52223
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.8 22.2
 179 19.7 12.2 18.4

Manual Integrations
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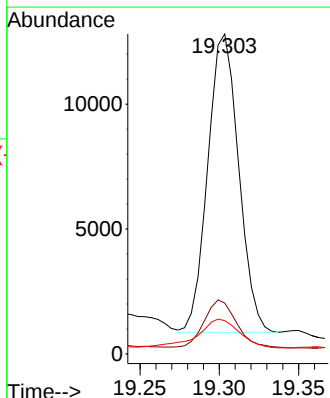
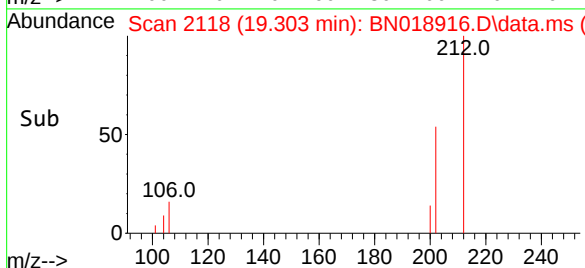
Reviewed By :Christian Giraldo 03/11/2022
 Supervised By :Jagrut Upadhyay 03/11/2022

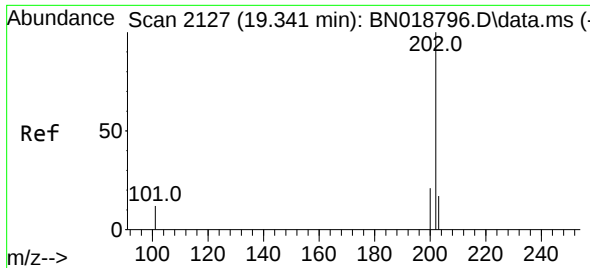


#27
 Fluoranthene-d10
 Concen: 0.240 ng
 RT: 19.303 min Scan# 2118
 Delta R.T. 0.000 min
 Lab File: BN018916.D
 Acq: 10 Mar 2022 23:12



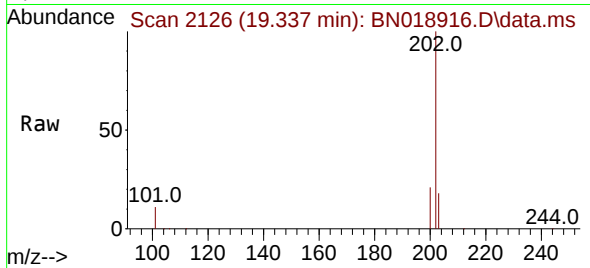
Tgt Ion:212 Resp: 16207
 Ion Ratio Lower Upper
 212 100
 106 17.0 12.7 19.1
 104 13.0 7.1 10.7





#28
Fluoranthene
Concen: 41.143 ng
RT: 19.337 min Scan# 2126
Delta R.T. 0.004 min
Lab File: BN018916.D
Acq: 10 Mar 2022 23:12

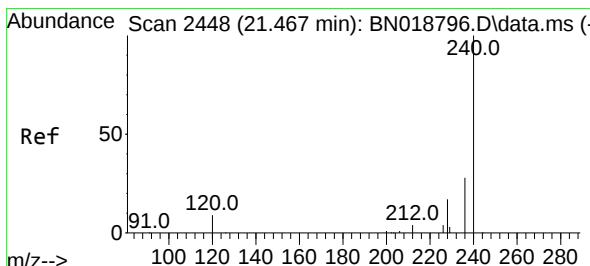
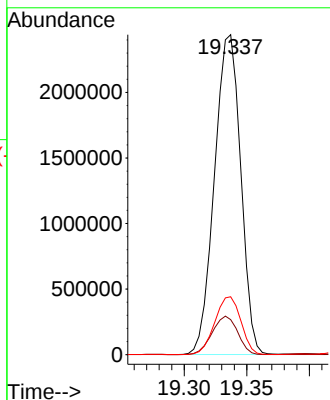
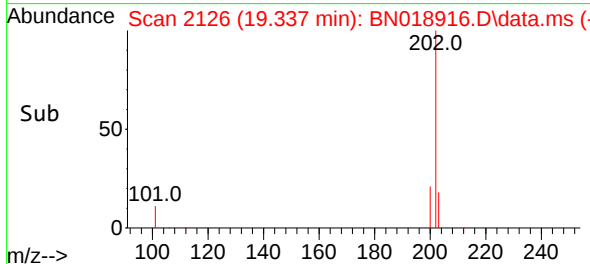
Instrument :
BNA_N
ClientSampleId :
V-2-0309-2A



Tgt Ion:202 Resp: 355608
Ion Ratio Lower Upper
202 100
101 11.7 9.8 14.6
203 18.0 13.7 20.5

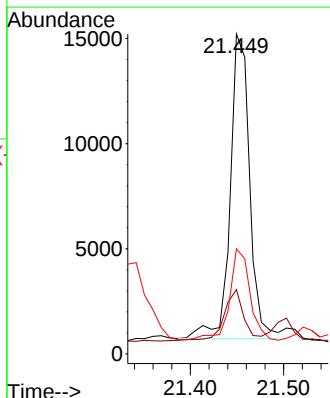
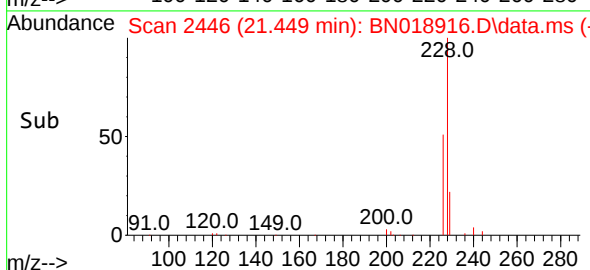
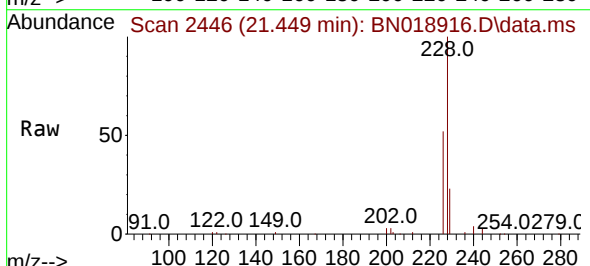
Manual Integrations
APPROVED

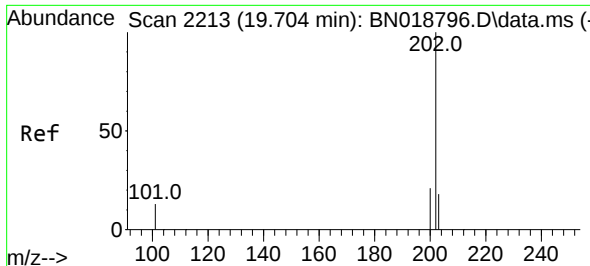
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.449 min Scan# 2446
Delta R.T. 0.000 min
Lab File: BN018916.D
Acq: 10 Mar 2022 23:12

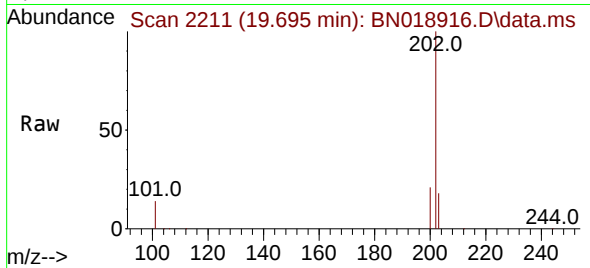
Tgt Ion:240 Resp: 20964
Ion Ratio Lower Upper
240 100
120 20.1 8.5 12.7#
236 32.8 22.4 33.6





#30
Pyrene
Concen: 33.684 ng
RT: 19.695 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN018916.D
Acq: 10 Mar 2022 23:12

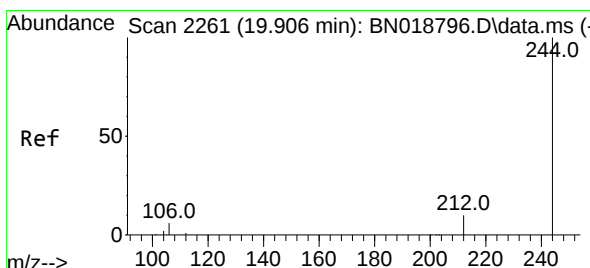
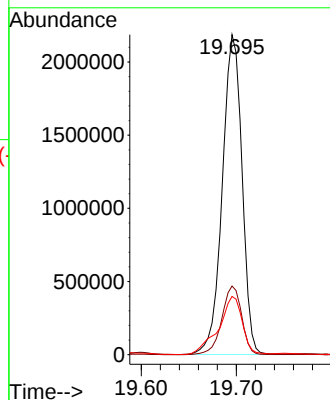
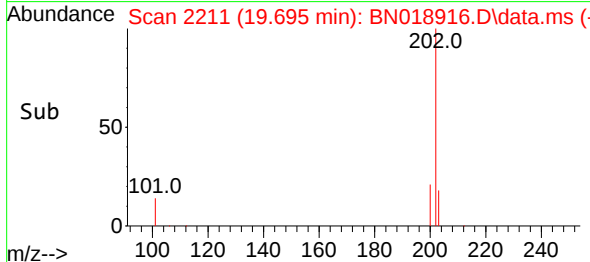
Instrument :
BNA_N
ClientSampleId :
V-2-0309-2A



Tgt Ion:202 Resp: 315273
Ion Ratio Lower Upper
202 100
200 21.5 16.9 25.3
203 21.9 14.2 21.2

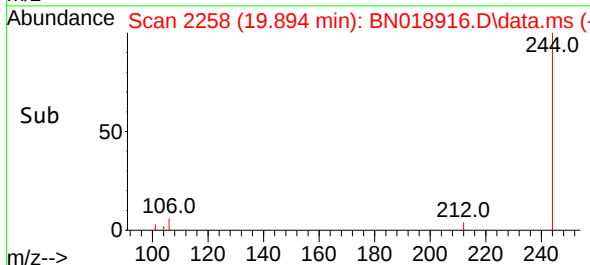
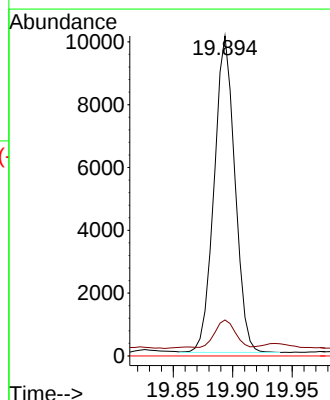
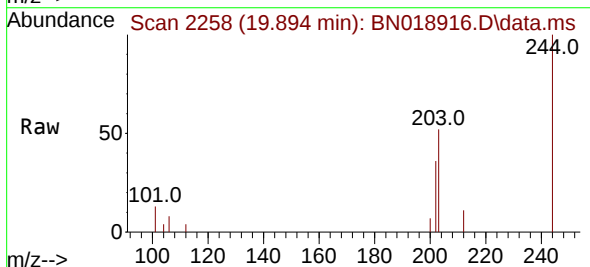
Manual Integrations
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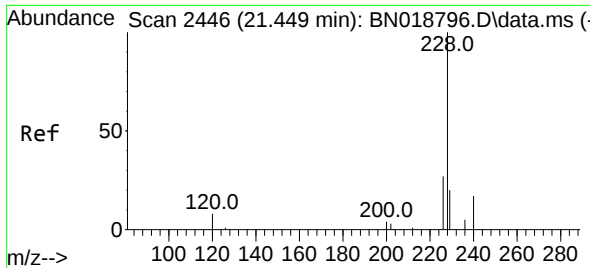
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#31
Terphenyl-d14
Concen: 0.273 ng
RT: 19.894 min Scan# 2258
Delta R.T. -0.004 min
Lab File: BN018916.D
Acq: 10 Mar 2022 23:12

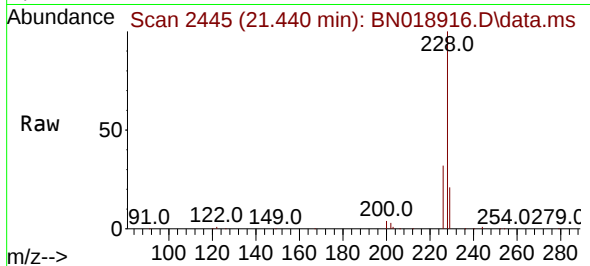
Tgt Ion:244 Resp: 12236
Ion Ratio Lower Upper
244 100
212 11.2 8.2 12.4
122 0.0 0.0 0.0





#32
Benzo(a)anthracene
Concen: 21.765 ng
RT: 21.440 min Scan# 2446
Delta R.T. 0.000 min
Lab File: BN018916.D
Acq: 10 Mar 2022 23:12

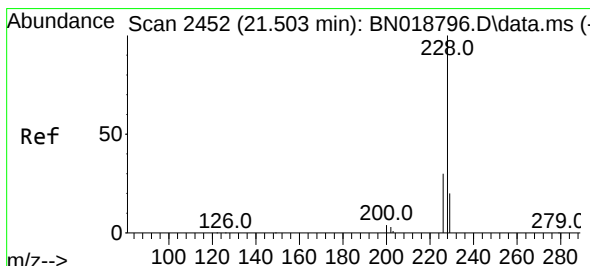
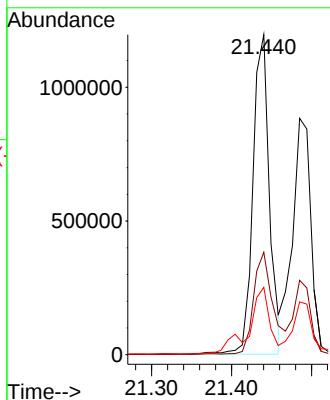
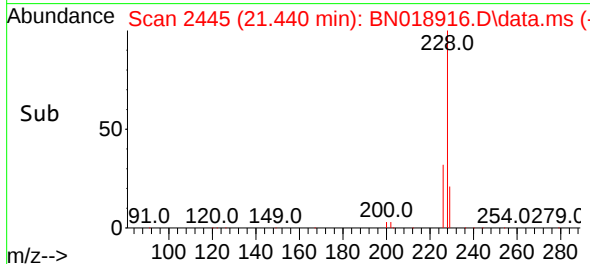
Instrument :
BNA_N
ClientSampleId :
V-2-0309-2A



Tgt Ion:228 Resp: 1713630
Ion Ratio Lower Upper
228 100
226 32.0 21.9 32.9
229 21.0 16.0 24.0

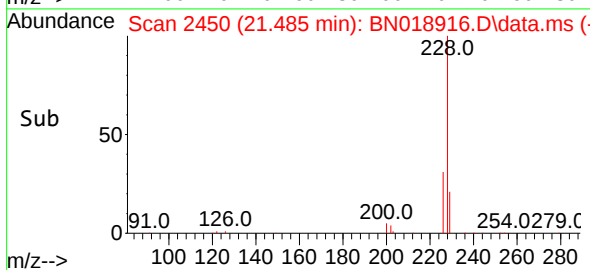
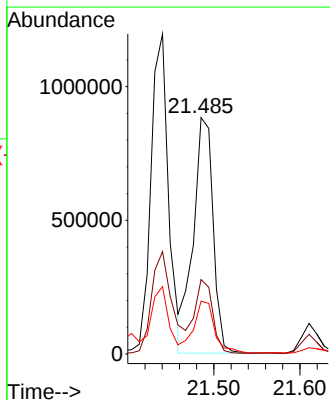
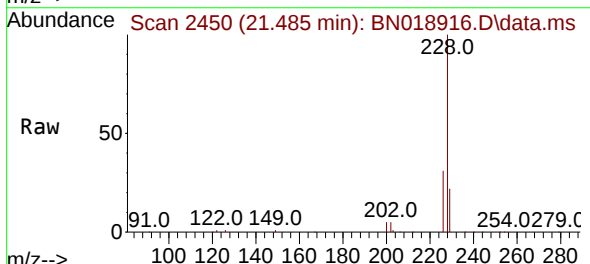
Manual Integrations
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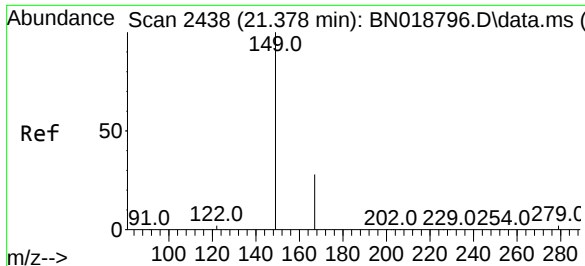
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#33
Chrysene
Concen: 16.417 ng
RT: 21.485 min Scan# 2450
Delta R.T. 0.000 min
Lab File: BN018916.D
Acq: 10 Mar 2022 23:12

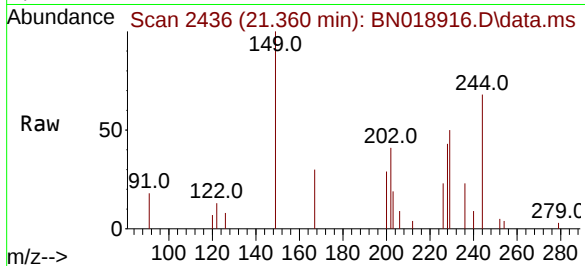
Tgt Ion:228 Resp: 1420306
Ion Ratio Lower Upper
228 100
226 31.5 24.0 36.0
229 22.4 15.9 23.9





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.220 ng
RT: 21.360 min Scan# 2438
Delta R.T. -0.009 min
Lab File: BN018916.D
Acq: 10 Mar 2022 23:12

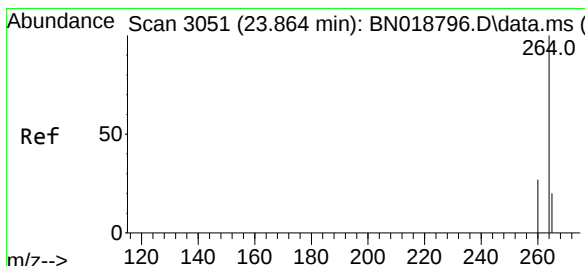
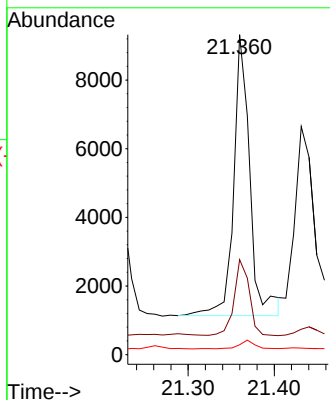
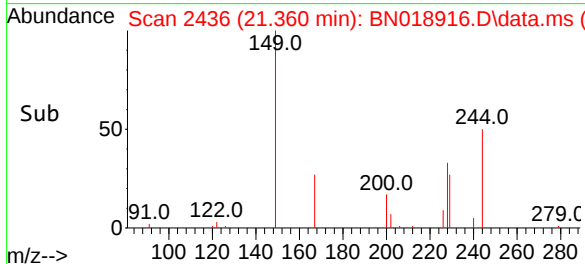
Instrument :
BNA_N
ClientSampleId :
V-2-0309-2A



Tgt Ion:149 Resp: 10700
Ion Ratio Lower Upper
149 100
167 25.3 21.8 32.8
279 3.0 2.0 3.0

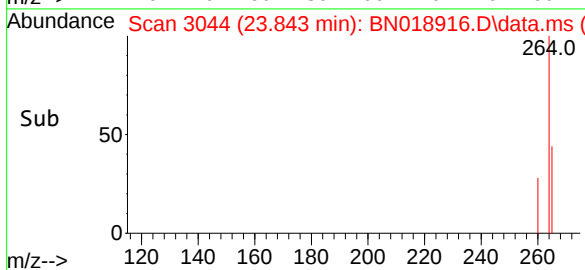
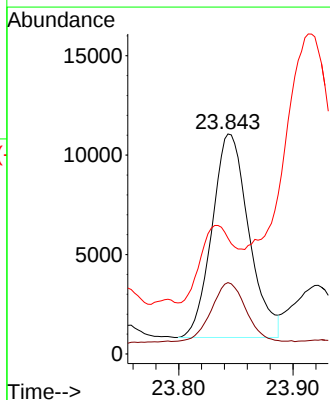
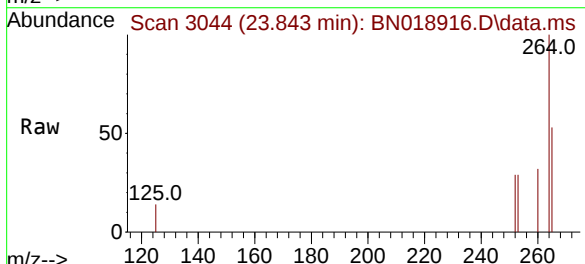
Manual Integrations
APPROVED

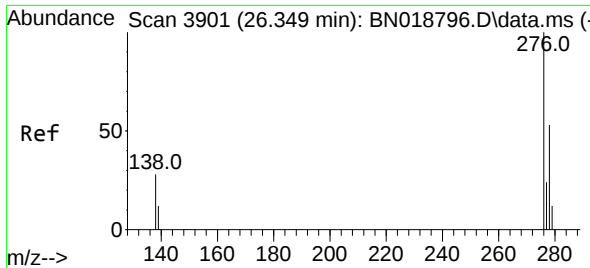
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.843 min Scan# 3044
Delta R.T. 0.000 min
Lab File: BN018916.D
Acq: 10 Mar 2022 23:12

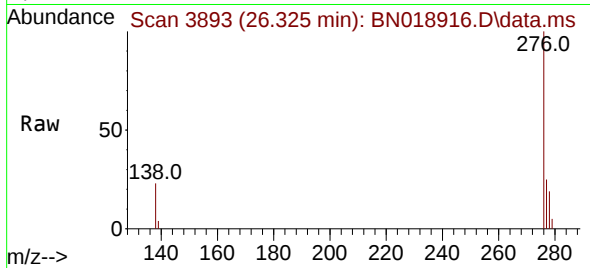
Tgt Ion:264 Resp: 22877
Ion Ratio Lower Upper
264 100
260 32.5 22.4 33.6
265 52.6 25.3 37.9





#36
Indeno(1,2,3-cd)pyrene
Concen: 8.823 ng
RT: 26.325 min Scan# 30
Delta R.T. 0.006 min
Lab File: BN018916.D
Acq: 10 Mar 2022 23:12

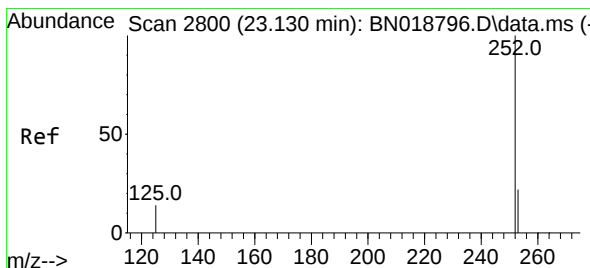
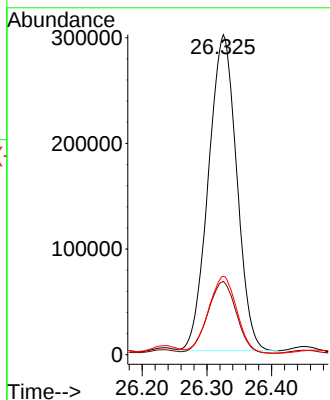
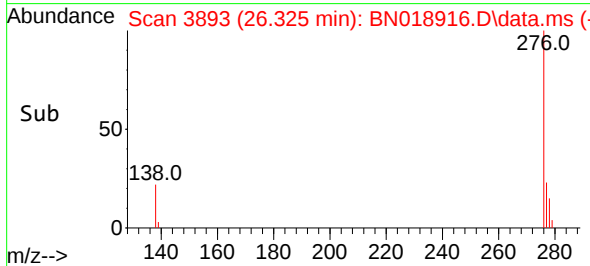
Instrument :
BNA_N
ClientSampleId :
V-2-0309-2A



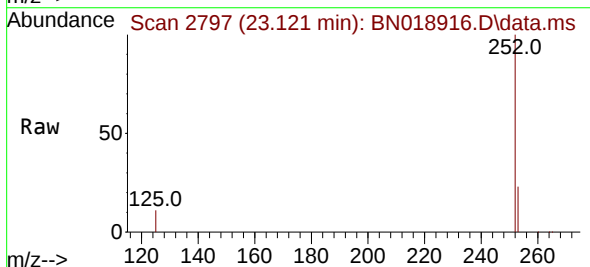
Tgt Ion:276 Resp: 907279
Ion Ratio Lower Upper
276 100
138 23.0 24.5 36.7
277 24.6 19.8 29.8

Manual Integrations
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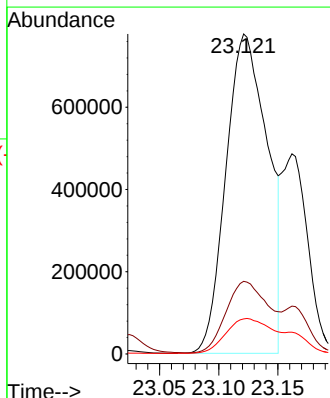
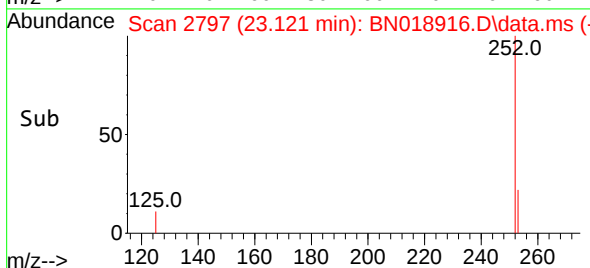
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022

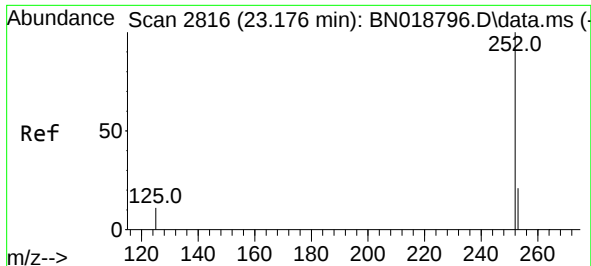


#37
Benzo(b)fluoranthene
Concen: 17.833 ng
RT: 23.121 min Scan# 2797
Delta R.T. 0.006 min
Lab File: BN018916.D
Acq: 10 Mar 2022 23:12



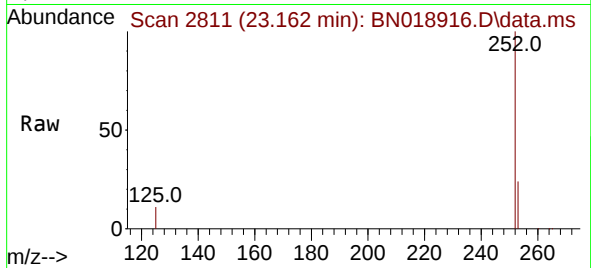
Tgt Ion:252 Resp: 1899154
Ion Ratio Lower Upper
252 100
253 22.7 18.9 28.3
125 11.0 12.1 18.1#





#38
Benzo(k)fluoranthene
Concen: 6.978 ng m
RT: 23.162 min Scan# 2816
Delta R.T. 0.000 min
Lab File: BN018916.D
Acq: 10 Mar 2022 23:12

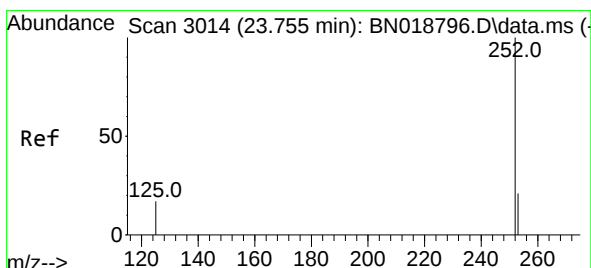
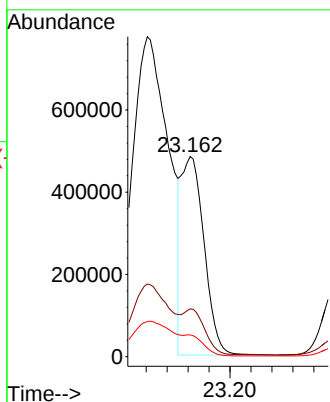
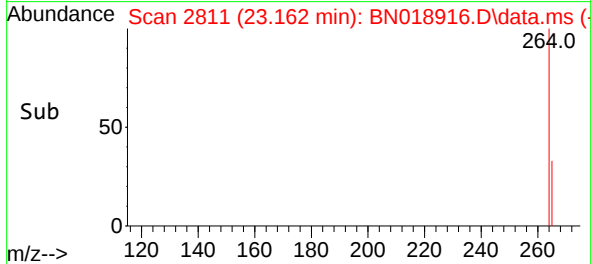
Instrument :
BNA_N
ClientSampleId :
V-2-0309-2A



Tgt Ion:252 Resp: 733259
Ion Ratio Lower Upper
252 100
253 23.9 18.9 28.3
125 10.9 10.3 15.5

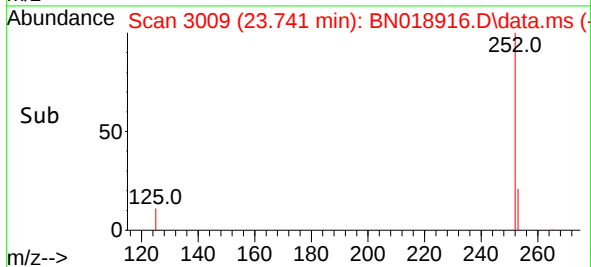
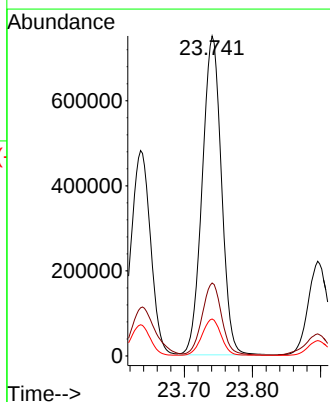
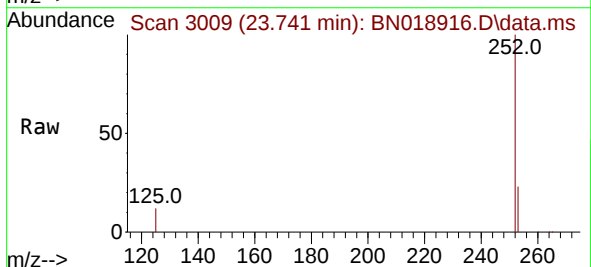
Manual Integrations
APPROVED

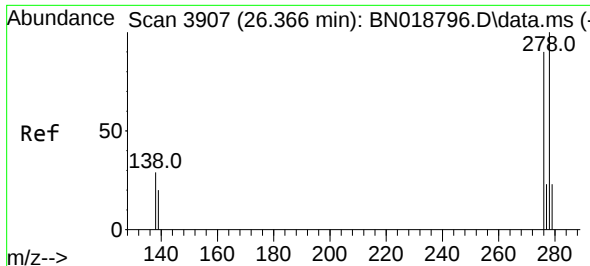
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#39
Benzo(a)pyrene
Concen: 17.897 ng m
RT: 23.741 min Scan# 3009
Delta R.T. 0.003 min
Lab File: BN018916.D
Acq: 10 Mar 2022 23:12

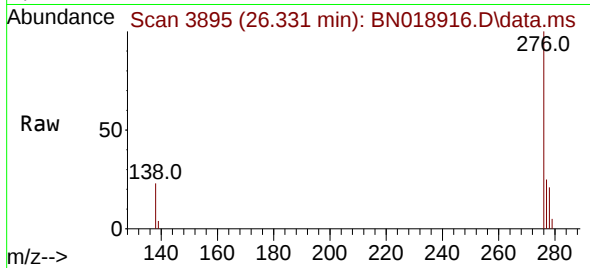
Tgt Ion:252 Resp: 1464486
Ion Ratio Lower Upper
252 100
253 22.8 20.1 30.1
125 11.6 15.2 22.8#





#40
Dibenzo(a,h)anthracene
Concen: 2.482 ng
RT: 26.331 min Scan# 31
Delta R.T. -0.006 min
Lab File: BN018916.D
Acq: 10 Mar 2022 23:12

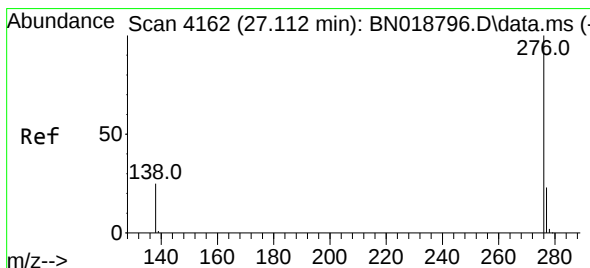
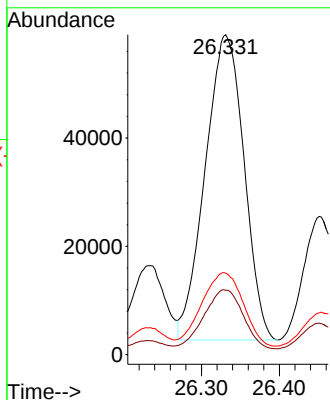
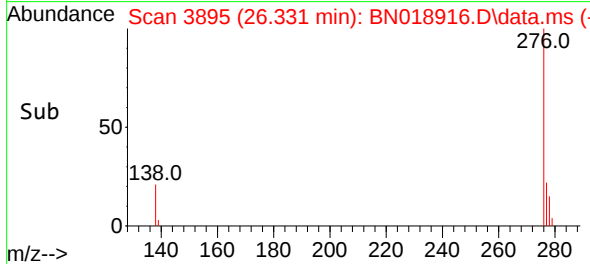
Instrument :
BNA_N
ClientSampleId :
V-2-0309-2A



Tgt Ion:278 Resp: 19558
Ion Ratio Lower Upper
278 100
139 20.2 17.2 25.8
279 25.5 19.9 29.9

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#41
Benzo(g,h,i)perylene
Concen: 10.479 ng
RT: 27.091 min Scan# 4155
Delta R.T. 0.009 min
Lab File: BN018916.D
Acq: 10 Mar 2022 23:12

Tgt Ion:276 Resp: 887099
Ion Ratio Lower Upper
276 100
277 24.1 19.4 29.0
138 23.4 21.0 31.6

