

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040422\
 Data File : BN019342.D
 Acq On : 05 Apr 2022 07:10
 Operator : CG/JU
 Sample : N2237-02 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A13015

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/05/2022
 Supervised By : Jagrut Upadhyay 04/05/2022

Quant Time: Apr 05 07:53:24 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN040422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 04 17:40:00 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.825	152	7856	0.400	ng	0.00
7) Naphthalene-d8	10.626	136	23625	0.400	ng	# 0.00
13) Acenaphthene-d10	14.463	164	14426	0.400	ng	0.00
19) Phenanthrene-d10	17.205	188	28814	0.400	ng	# 0.00
29) Chrysene-d12	21.386	240	20636	0.400	ng	# 0.00
35) Perylene-d12	23.735	264	15023	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	819	0.039	ng	0.00
5) Phenol-d6	6.995	99	802	0.032	ng	0.00
8) Nitrobenzene-d5	8.993	82	710	0.033	ng	0.01
11) 2-Methylnaphthalene-d10	12.227	152	1713	0.041	ng	0.00
14) 2,4,6-Tribromophenol	15.954	330	263	0.030	ng	0.00
15) 2-Fluorobiphenyl	13.095	172	2439	0.041	ng	0.00
27) Fluoranthene-d10	19.232	212	2503	0.027	ng	0.00
31) Terphenyl-d14	19.830	244	1597	0.036	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.680	128	2642	0.038	ng	# 89
16) Acenaphthylene	14.185	152	32210	0.450	ng	100
17) Acenaphthene	14.527	154	2643	0.056	ng	97
18) Fluorene	15.511	166	4712	0.075	ng	98
25) Phenanthrene	17.246	178	85189	0.881	ng	100
26) Anthracene	17.338	178	21564	0.254	ng	99
28) Fluoranthene	19.261	202	173513	1.513	ng	100
30) Pyrene	19.624	202	149559	1.558	ng	97
32) Benzo(a)anthracene	21.369	228	70191	0.921	ng	96
33) Chrysene	21.422	228	63855	0.754	ng	97
34) Bis(2-ethylhexyl)phtha...	21.297	149	1701	0.030	ng	# 83
36) Indeno(1,2,3-cd)pyrene	26.153	276	42461	0.675	ng	# 88
37) Benzo(b)fluoranthene	23.021	252	77703	1.320	ng	98
38) Benzo(k)fluoranthene	23.062	252	26479m	0.430	ng	
39) Benzo(a)pyrene	23.630	252	53169m	1.005	ng	
40) Dibenzo(a,h)anthracene	26.161	278	8070	0.166	ng	# 85
41) Benzo(g,h,i)perylene	26.901	276	60631	1.040	ng	99

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

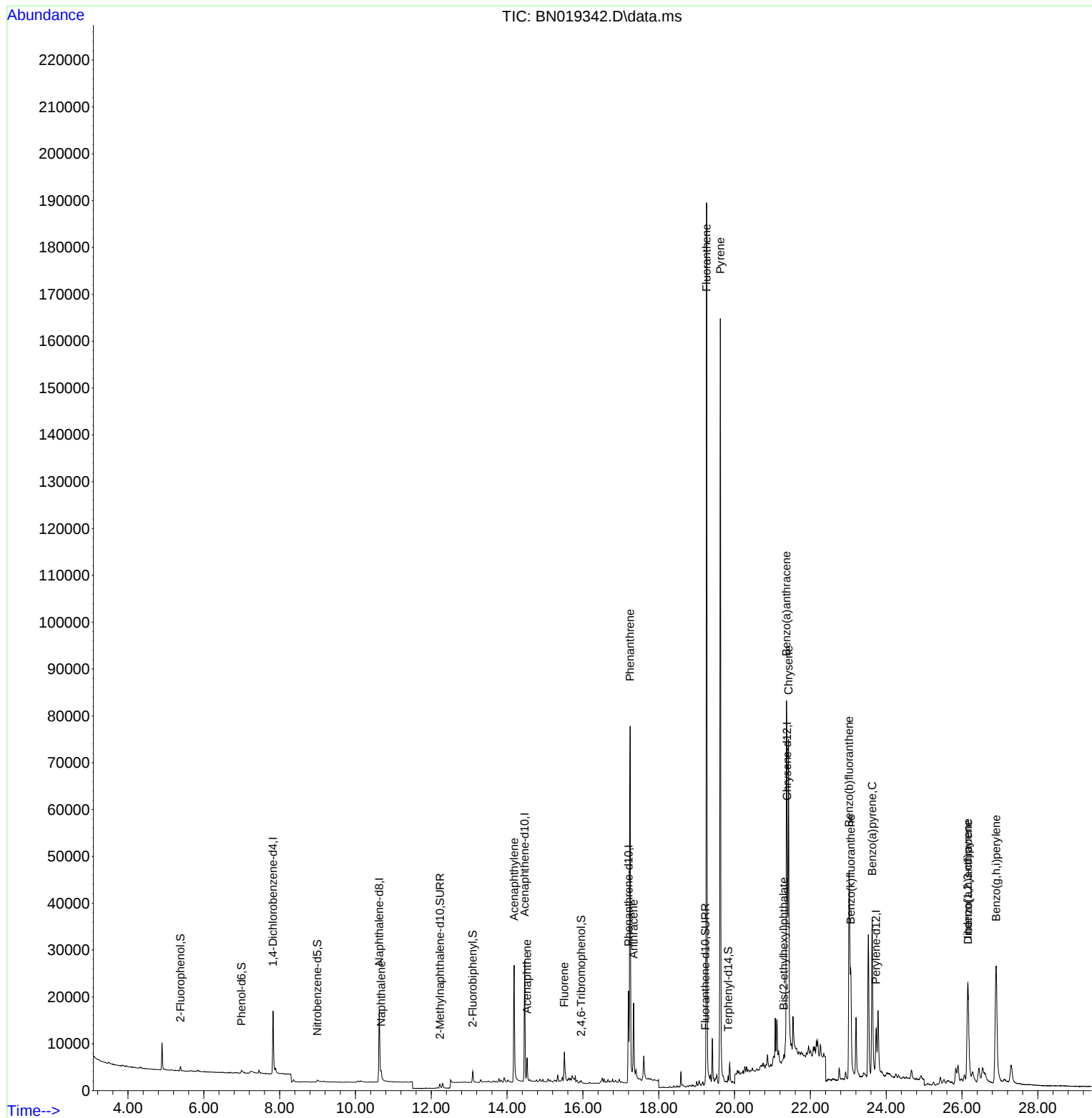
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040422\
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ALS Vial : 28 Sample Multiplier: 1

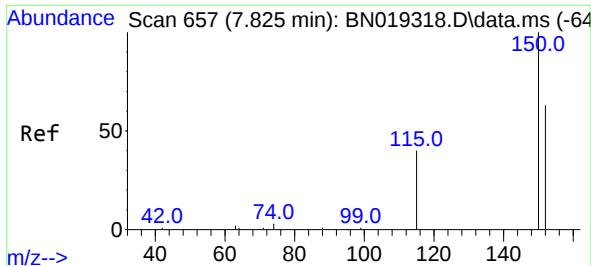
Instrument :
BNA_N
ClientSampleId :
A13015

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Supervised By : Jagrut Upadhyay 04/05/2022

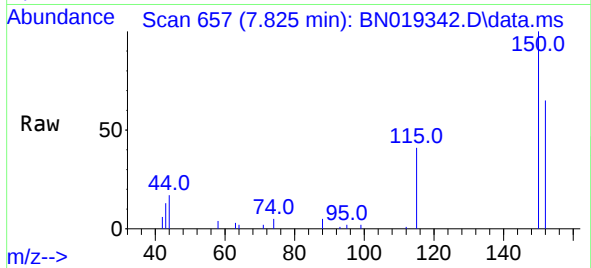
Quant Time: Apr 05 07:53:24 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN040422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 04 17:40:00 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.825 min Scan# 657
Delta R.T. 0.000 min
Lab File: BN019342.D
Acq: 05 Apr 2022 07:10

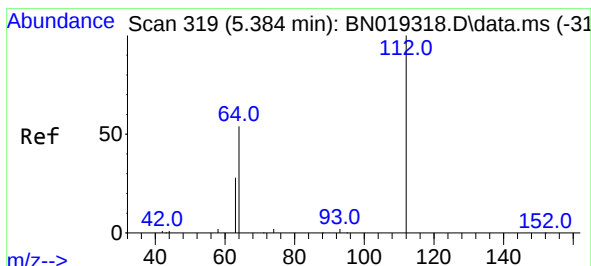
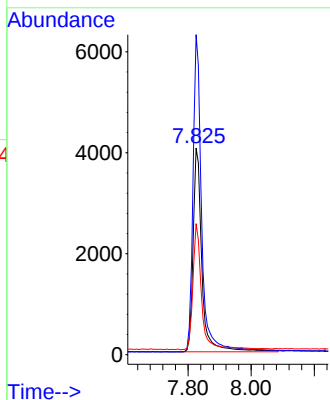
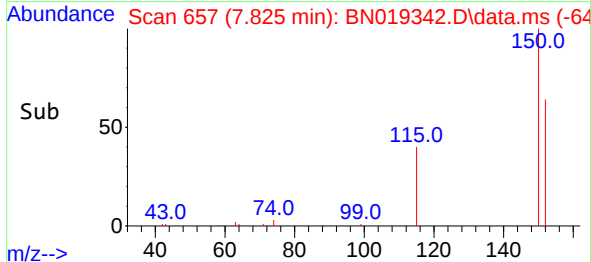
Instrument :
BNA_N
ClientSampleId :
A13015



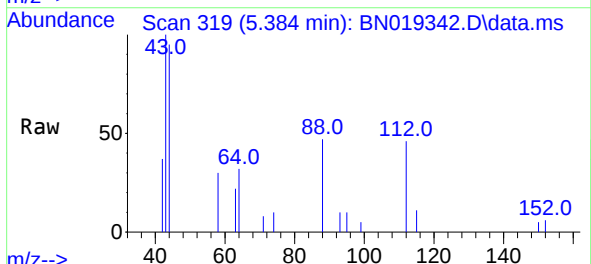
Tgt Ion:152 Resp: 7850
Ion Ratio Lower Upper
152 100
150 154.9 123.9 185.9
115 63.5 48.2 72.4

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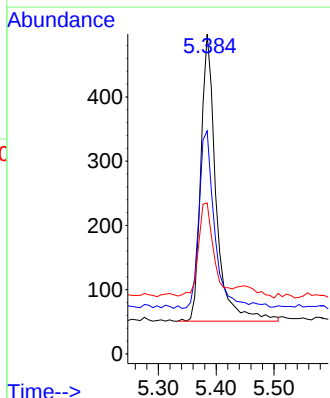
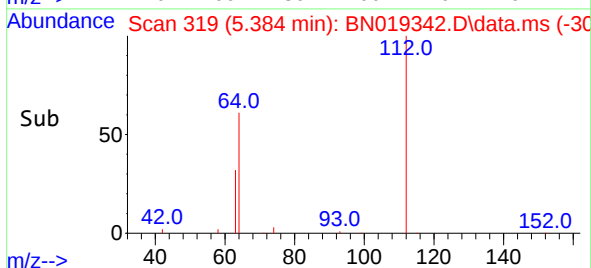
Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022

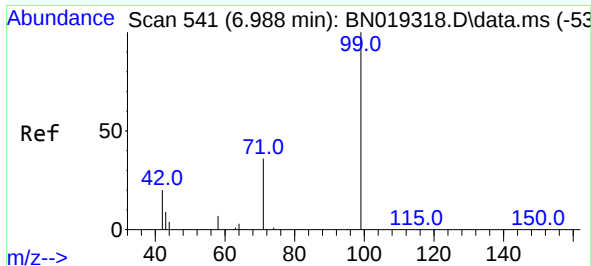


#4
2-Fluorophenol
Concen: 0.039 ng
RT: 5.384 min Scan# 319
Delta R.T. 0.000 min
Lab File: BN019342.D
Acq: 05 Apr 2022 07:10



Tgt Ion:112 Resp: 819
Ion Ratio Lower Upper
112 100
64 63.0 47.8 71.8
63 33.2 25.7 38.5





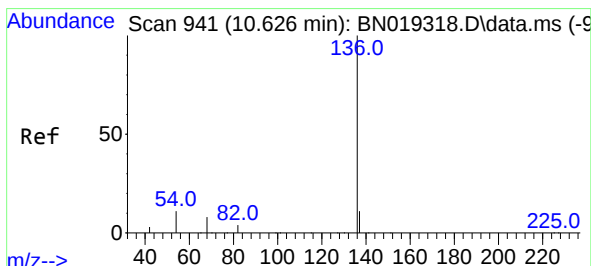
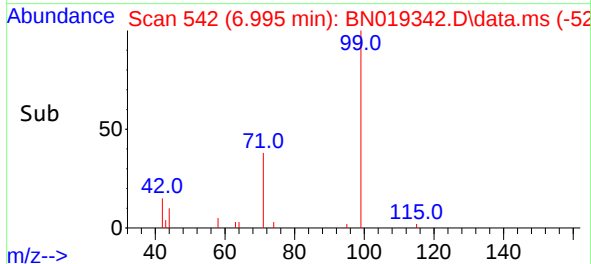
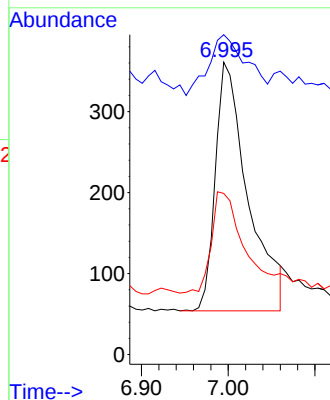
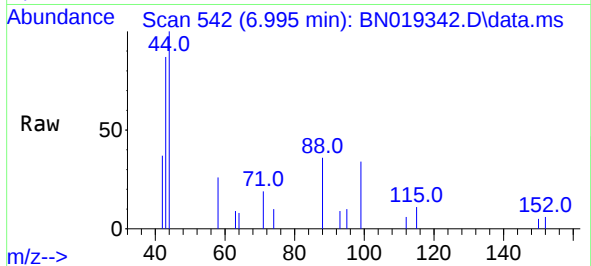
#5
Phenol-d6
Concen: 0.032 ng
RT: 6.995 min Scan# 541
Delta R.T. 0.007 min
Lab File: BN019342.D
Acq: 05 Apr 2022 07:10

Instrument :
BNA_N
ClientSampleId :
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Tgt Ion: 99 Resp: 802
Ion Ratio Lower Upper
99 100
42 28.3 16.2 24.4#
71 40.1 27.7 41.5

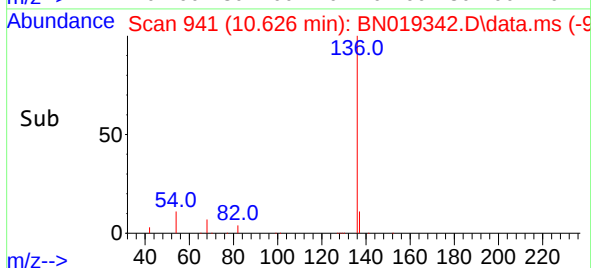
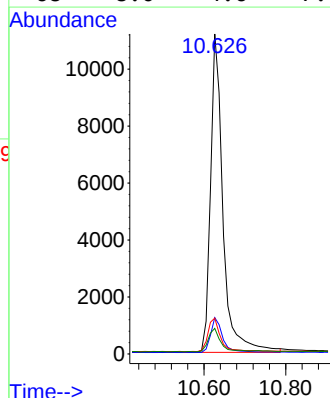
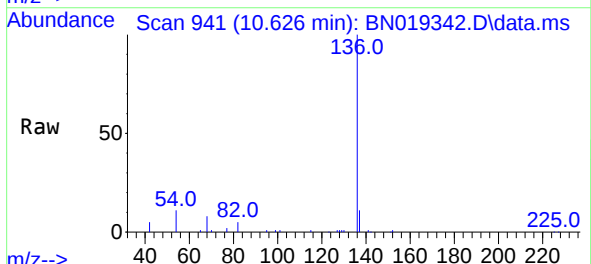
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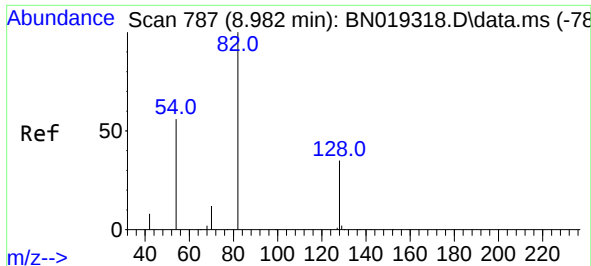
Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN019342.D
Acq: 05 Apr 2022 07:10

Tgt Ion:136 Resp: 23625
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.4
54 11.2 5.8 8.6#
68 8.0 4.6 7.0#





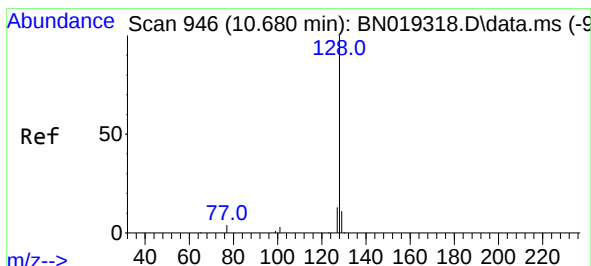
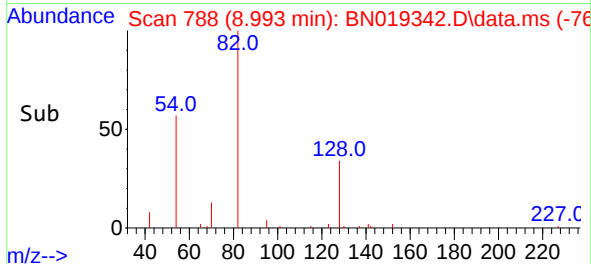
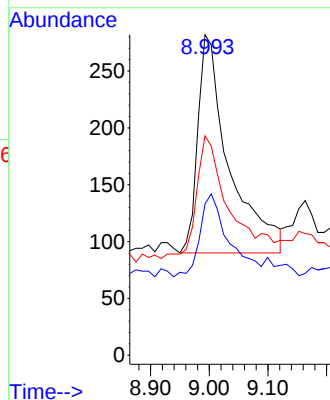
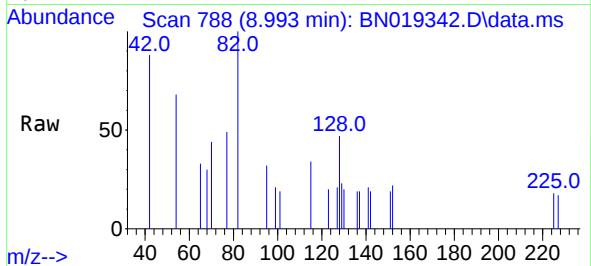
#8
Nitrobenzene-d5
Concen: 0.033 ng
RT: 8.993 min Scan# 710
Delta R.T. 0.011 min
Lab File: BN019342.D
Acq: 05 Apr 2022 07:10

Instrument :
BNA_N
ClientSampleId :
A13015

Tgt Ion: 82 Resp: 710
Ion Ratio Lower Upper
82 100
128 47.2 33.0 49.6
54 68.4 42.5 63.7

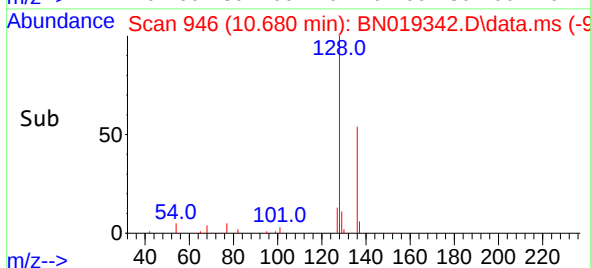
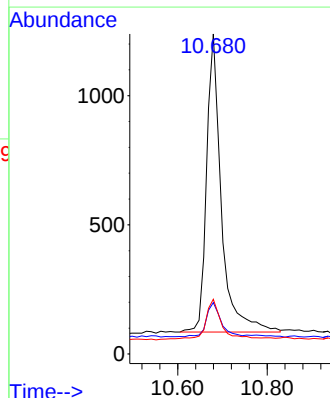
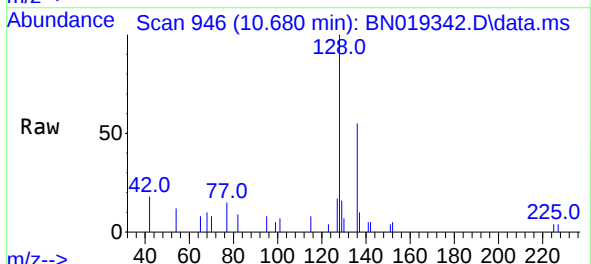
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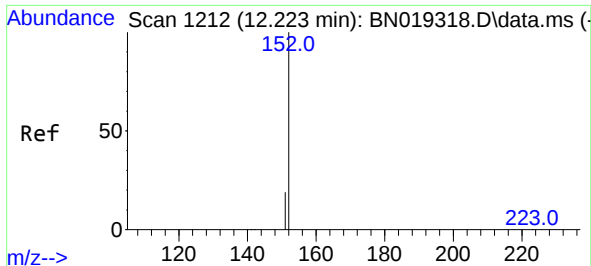
Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022



#9
Naphthalene
Concen: 0.038 ng
RT: 10.680 min Scan# 946
Delta R.T. 0.000 min
Lab File: BN019342.D
Acq: 05 Apr 2022 07:10

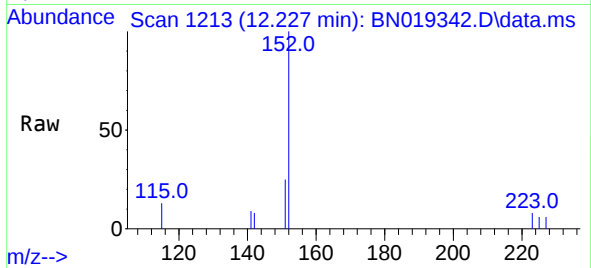
Tgt Ion:128 Resp: 2642
Ion Ratio Lower Upper
128 100
129 16.1 9.0 13.4#
127 17.1 10.7 16.1#





#11
2-Methylnaphthalene-d10
Concen: 0.041 ng
RT: 12.227 min Scan# 11
Delta R.T. 0.004 min
Lab File: BN019342.D
Acq: 05 Apr 2022 07:10

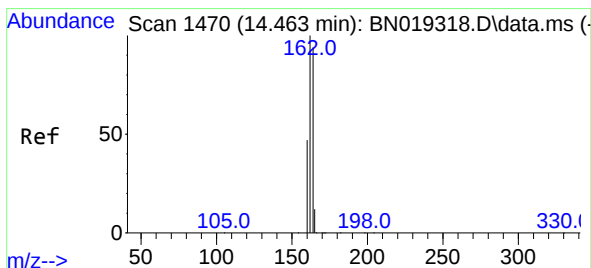
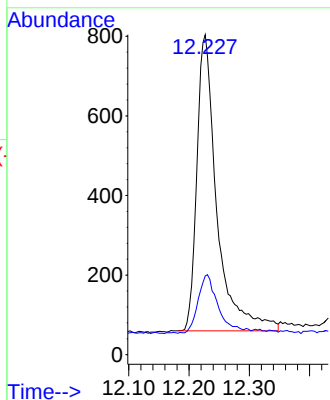
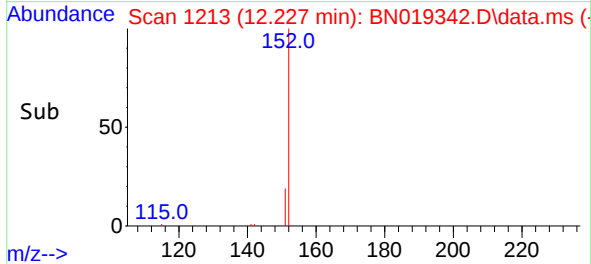
Instrument :
BNA_N
ClientSampleId :
A13015



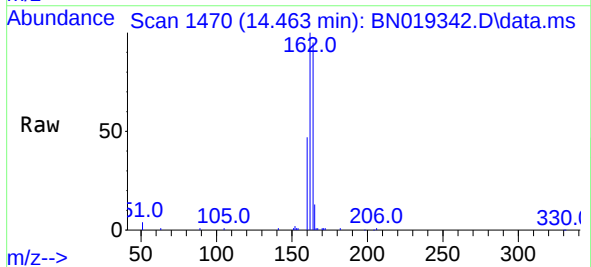
Tgt Ion:152 Resp: 171
Ion Ratio Lower Upper
152 100
151 19.6 16.5 24.7

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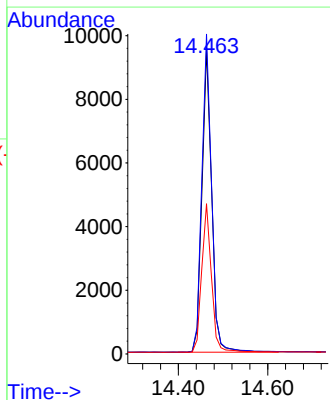
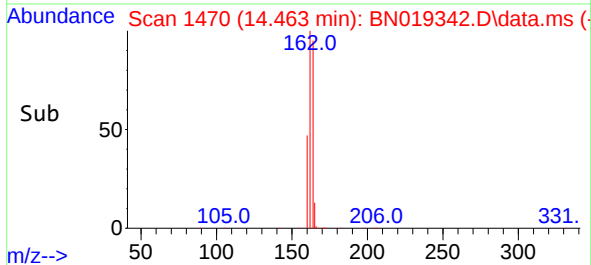
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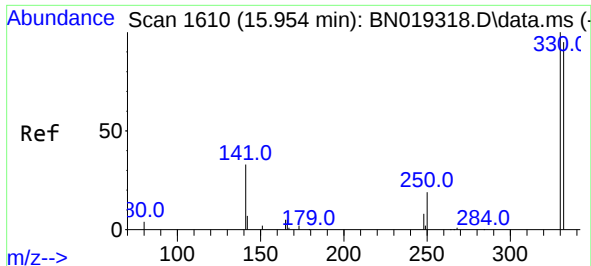


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.463 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BN019342.D
Acq: 05 Apr 2022 07:10



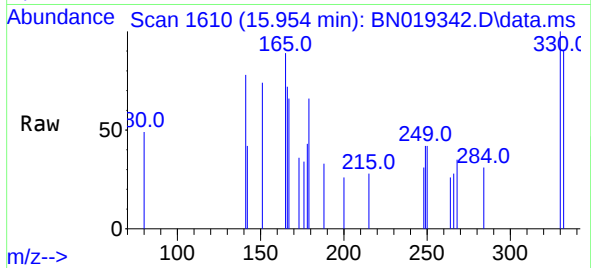
Tgt Ion:164 Resp: 14426
Ion Ratio Lower Upper
164 100
162 105.1 85.2 127.8
160 49.4 41.5 62.3





#14
2,4,6-Tribromophenol
Concen: 0.030 ng
RT: 15.954 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BN019342.D
Acq: 05 Apr 2022 07:10

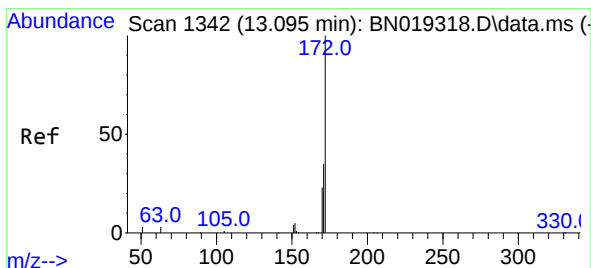
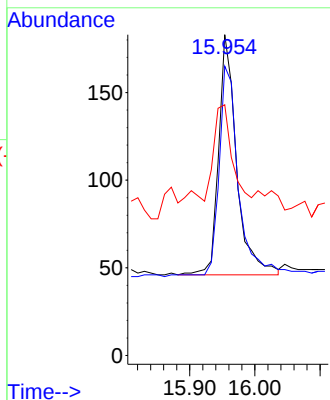
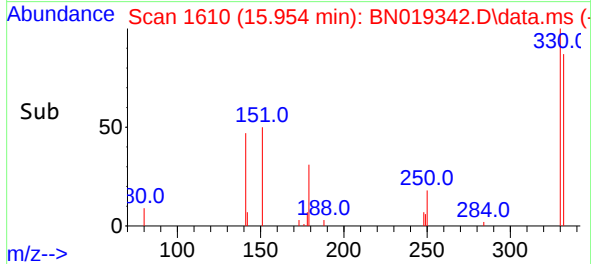
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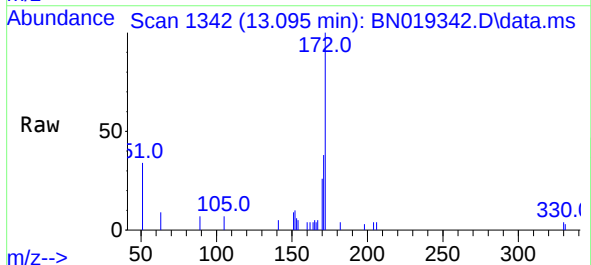
Tgt Ion: 330 Resp: 261
Ion Ratio Lower Upper
330 100
332 92.8 76.8 115.2
141 39.5 32.2 48.2

Manual Integrations
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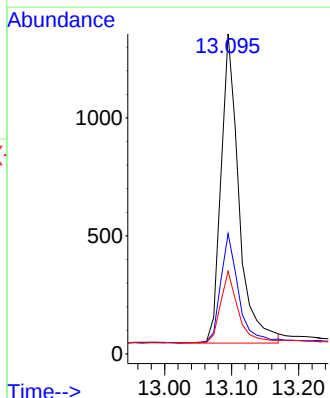
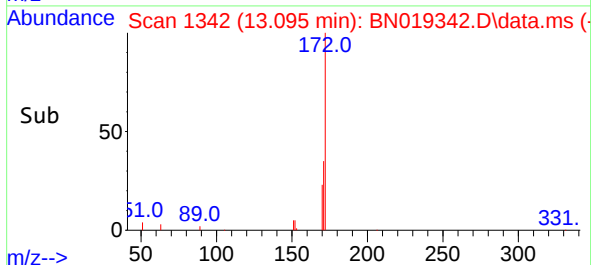
Reviewed By : Christian Giraldo 04/05/2022
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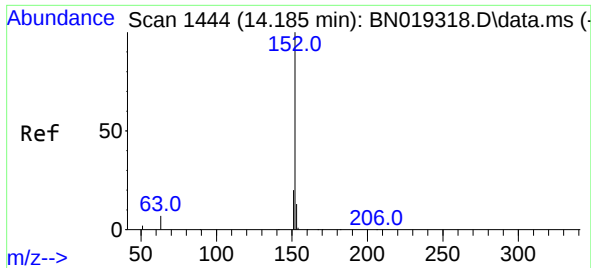


#15
2-Fluorobiphenyl
Concen: 0.041 ng
RT: 13.095 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BN019342.D
Acq: 05 Apr 2022 07:10



Tgt Ion: 172 Resp: 2439
Ion Ratio Lower Upper
172 100
171 37.6 28.2 42.2
170 25.8 18.7 28.1





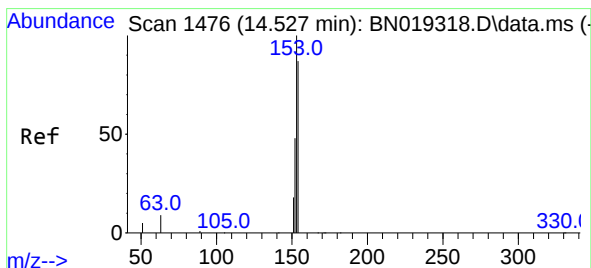
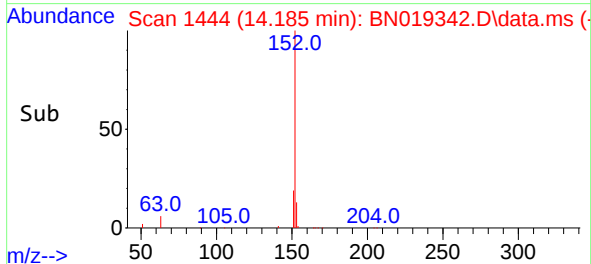
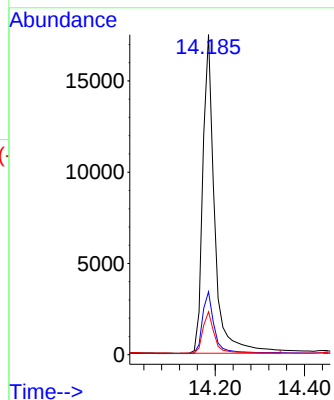
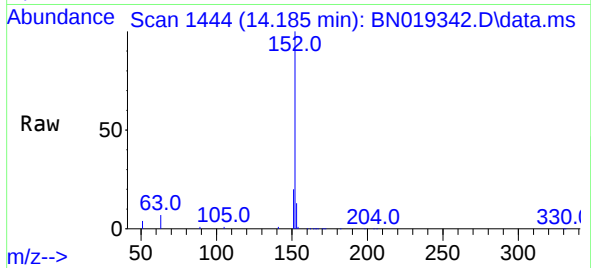
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Acenaphthylene
Concen: 0.450 ng
RT: 14.185 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN019342.D
Acq: 05 Apr 2022 07:10

Instrument :
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ClientSampleId :
A13015

Tgt Ion:152 Resp: 32210
Ion Ratio Lower Upper
152 100
151 19.7 15.9 23.9
153 12.9 10.6 15.8

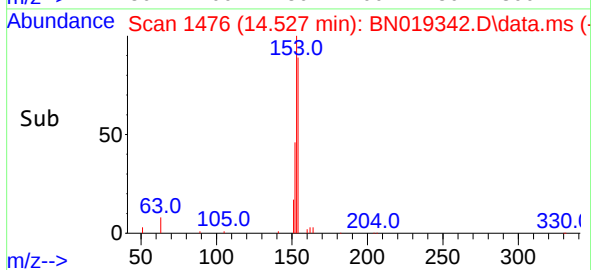
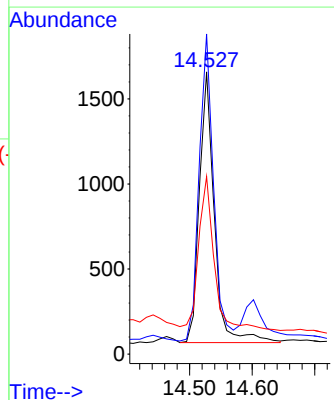
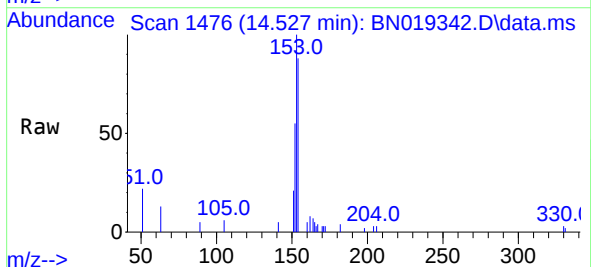
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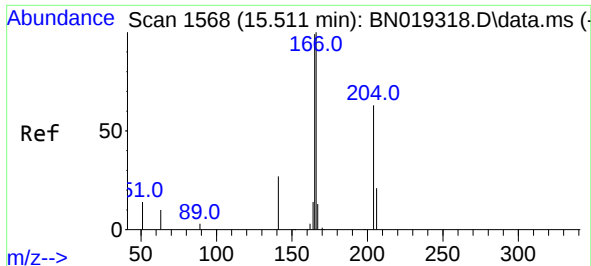
Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022



#17
Acenaphthene
Concen: 0.056 ng
RT: 14.527 min Scan# 1476
Delta R.T. 0.000 min
Lab File: BN019342.D
Acq: 05 Apr 2022 07:10

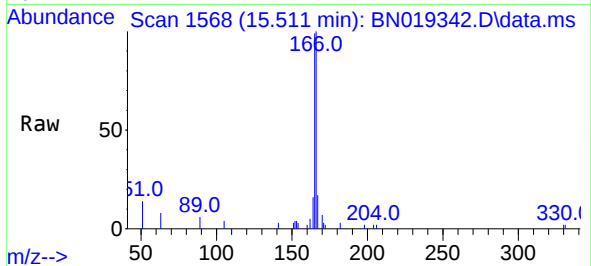
Tgt Ion:154 Resp: 2643
Ion Ratio Lower Upper
154 100
153 109.4 89.7 134.5
152 59.5 44.7 67.1





#18
Fluorene
Concen: 0.075 ng
RT: 15.511 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BN019342.D
Acq: 05 Apr 2022 07:10

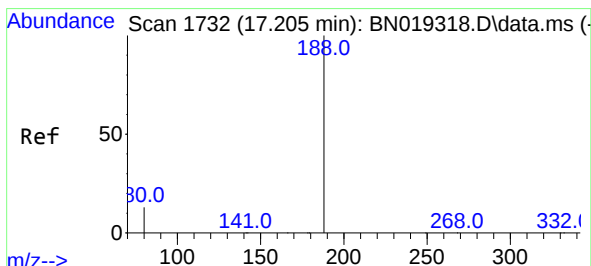
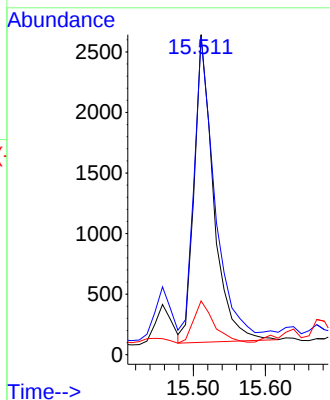
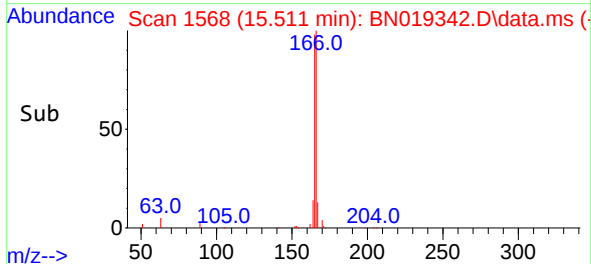
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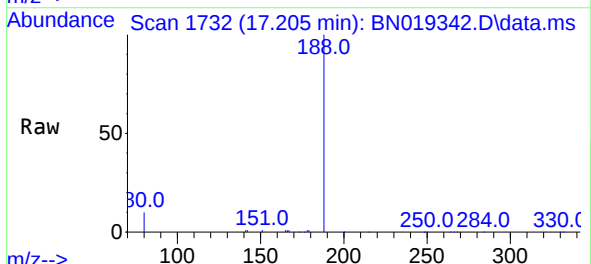
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Ion Ratio Lower Upper
166 100
165 101.0 79.2 118.8
167 14.7 10.7 16.1

Manual Integrations
APPROVED

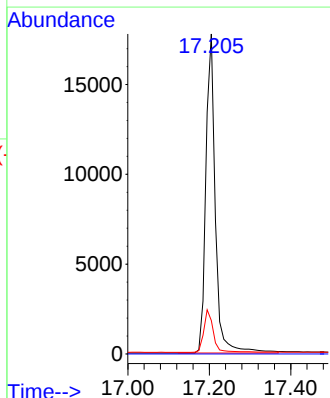
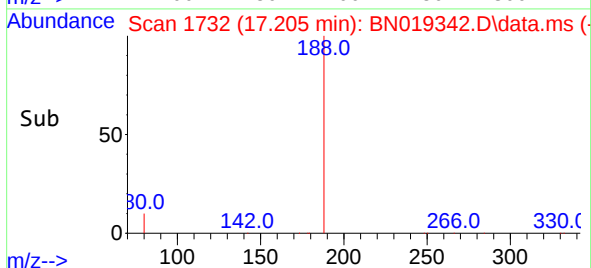
Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022

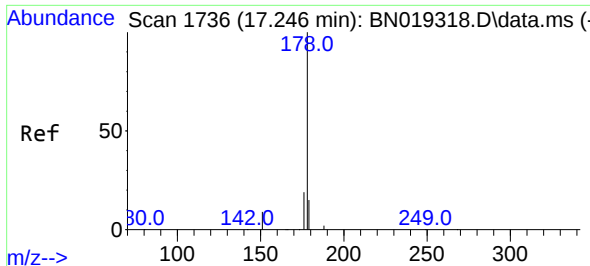


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.205 min Scan# 1732
Delta R.T. 0.000 min
Lab File: BN019342.D
Acq: 05 Apr 2022 07:10



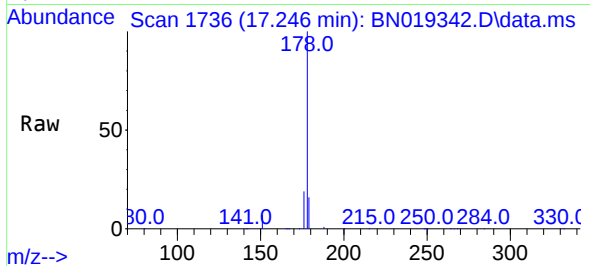
Tgt Ion:188 Resp: 28814
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.4 11.8 17.8#





#25
Phenanthrene
Concen: 0.881 ng
RT: 17.246 min Scan# 1736
Delta R.T. 0.000 min
Lab File: BN019342.D
Acq: 05 Apr 2022 07:10

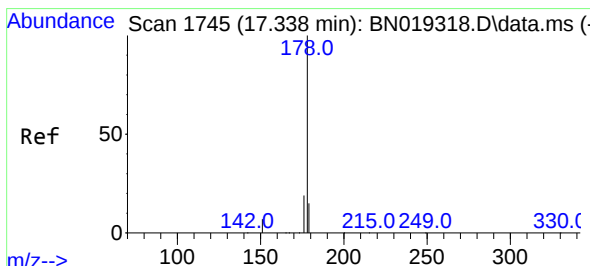
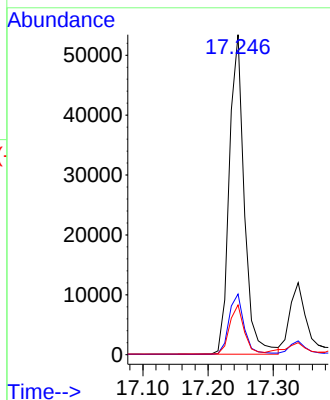
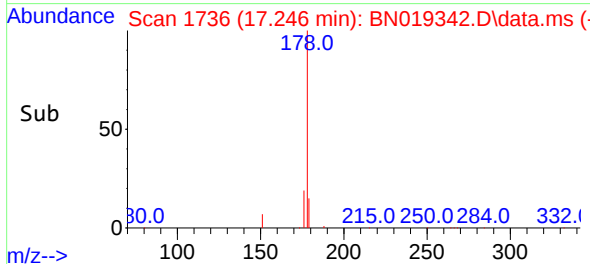
Instrument :
BNA_N
ClientSampleId :
A13015



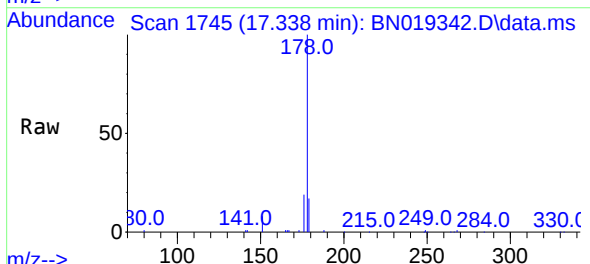
Tgt Ion:178 Resp: 85189
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.1 12.2 18.2

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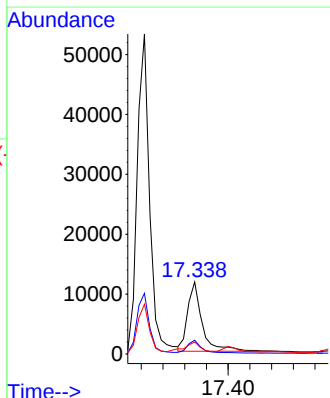
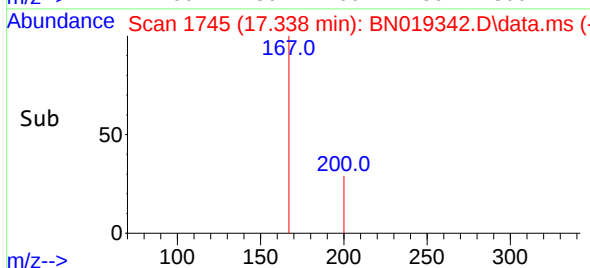
Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022

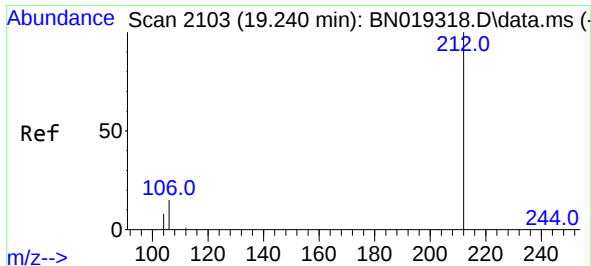


#26
Anthracene
Concen: 0.254 ng
RT: 17.338 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BN019342.D
Acq: 05 Apr 2022 07:10



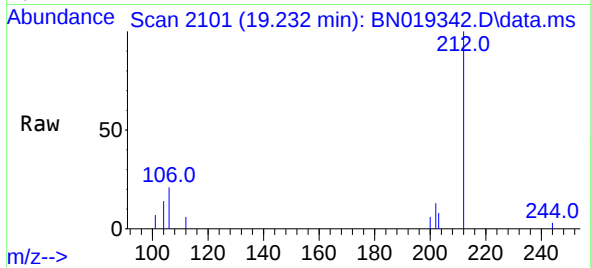
Tgt Ion:178 Resp: 21564
Ion Ratio Lower Upper
178 100
176 18.3 14.8 22.2
179 14.3 12.2 18.4





#27
Fluoranthene-d10
Concen: 0.027 ng
RT: 19.232 min Scan# 2103
Delta R.T. -0.008 min
Lab File: BN019342.D
Acq: 05 Apr 2022 07:10

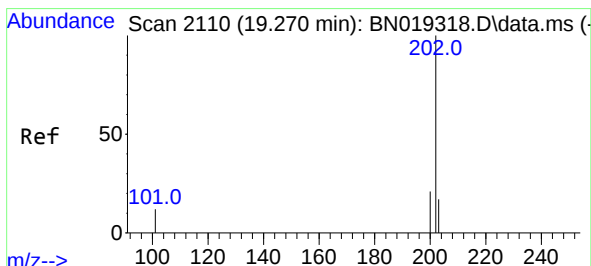
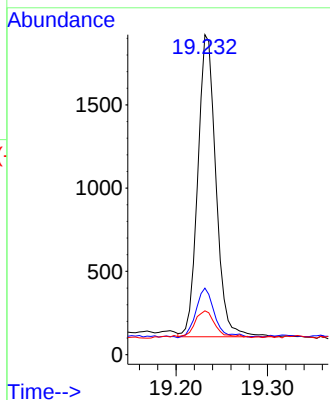
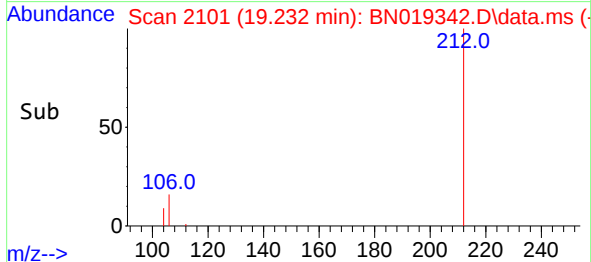
Instrument :
BNA_N
ClientSampleId :
A13015



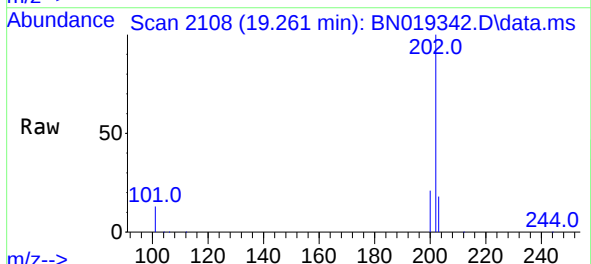
Tgt Ion:212 Resp: 2500
Ion Ratio Lower Upper
212 100
106 17.0 12.7 19.1
104 10.9 7.1 10.7

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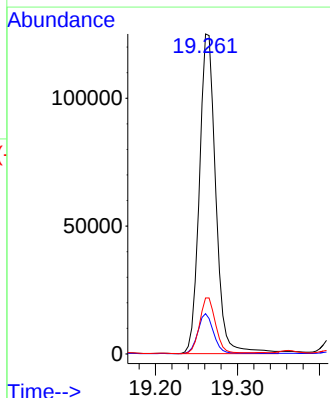
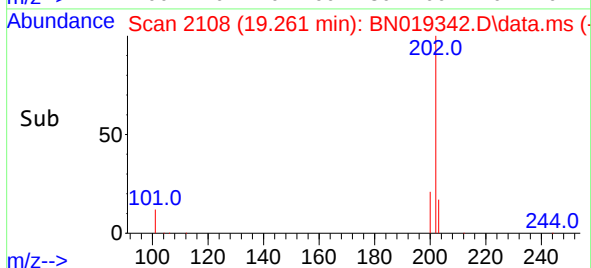
Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022

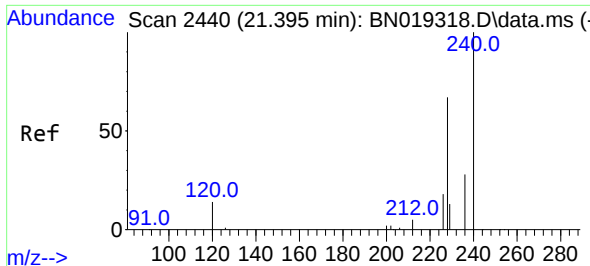


#28
Fluoranthene
Concen: 1.513 ng
RT: 19.261 min Scan# 2108
Delta R.T. -0.008 min
Lab File: BN019342.D
Acq: 05 Apr 2022 07:10



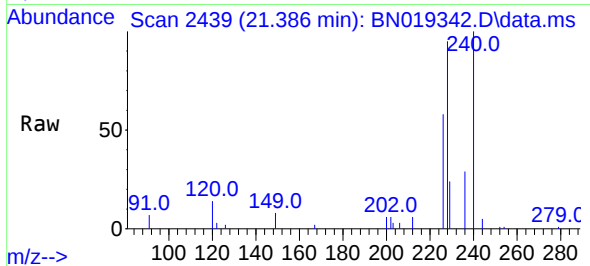
Tgt Ion:202 Resp: 173513
Ion Ratio Lower Upper
202 100
101 12.3 9.8 14.6
203 17.1 13.7 20.5





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.386 min Scan# 2439
Delta R.T. -0.009 min
Lab File: BN019342.D
Acq: 05 Apr 2022 07:10

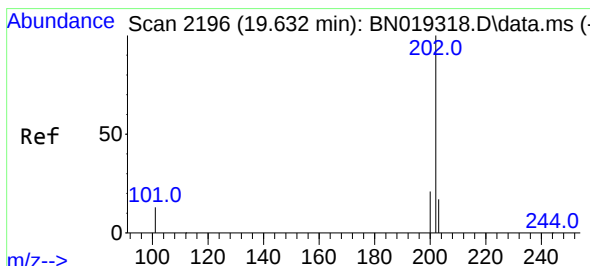
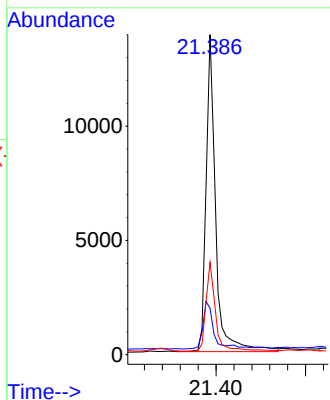
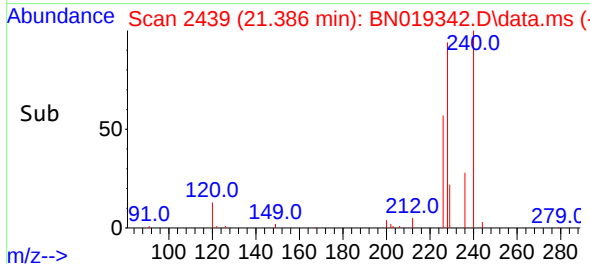
Instrument :
BNA_N
ClientSampleId :
A13015



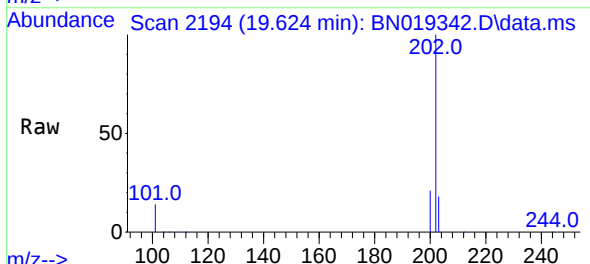
Tgt Ion:240 Resp: 20630
Ion Ratio Lower Upper
240 100
120 14.5 8.5 12.7
236 28.9 22.4 33.6

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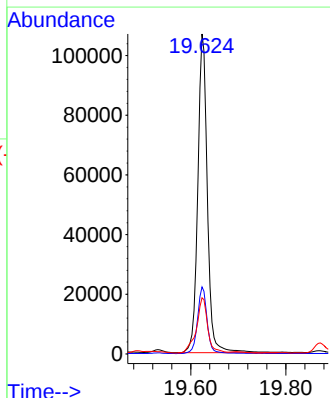
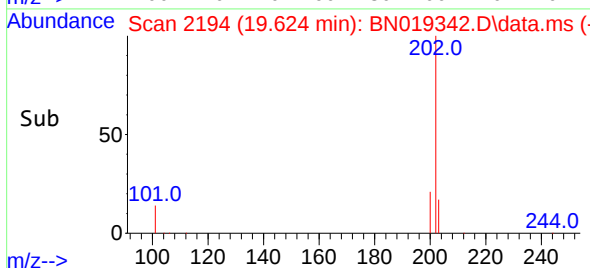
Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022

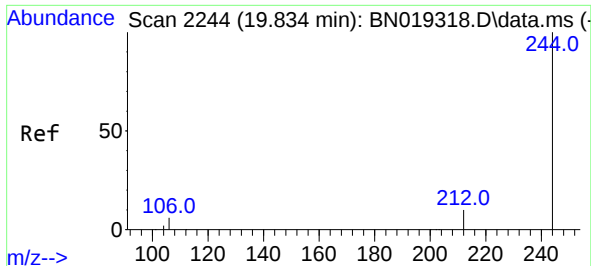


#30
Pyrene
Concen: 1.558 ng
RT: 19.624 min Scan# 2194
Delta R.T. -0.008 min
Lab File: BN019342.D
Acq: 05 Apr 2022 07:10



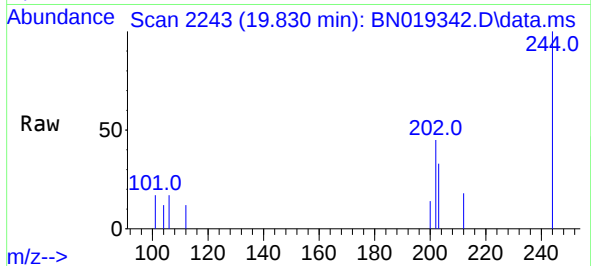
Tgt Ion:202 Resp: 149559
Ion Ratio Lower Upper
202 100
200 21.0 16.9 25.3
203 20.4 14.2 21.2





#31
Terphenyl-d14
Concen: 0.036 ng
RT: 19.830 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN019342.D
Acq: 05 Apr 2022 07:10

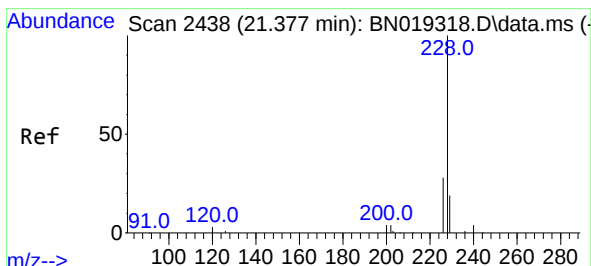
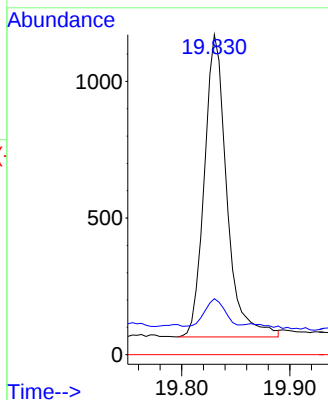
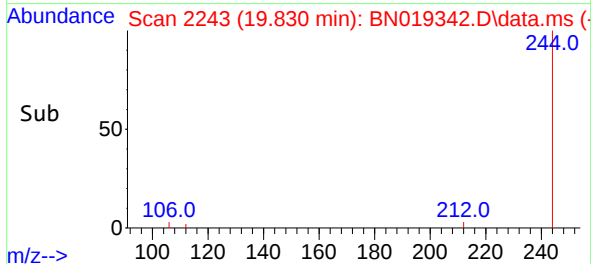
Instrument :
BNA_N
ClientSampleId :
A13015



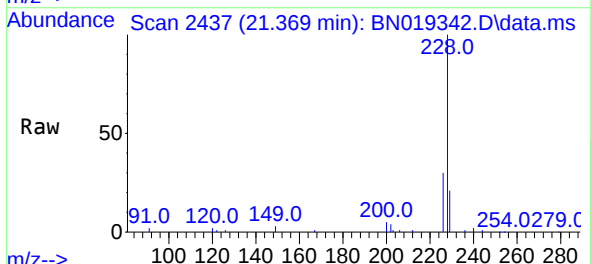
Tgt Ion:244 Resp: 159
Ion Ratio Lower Upper
244 100
212 17.5 8.2 12.4
122 0.0 0.0 0.0

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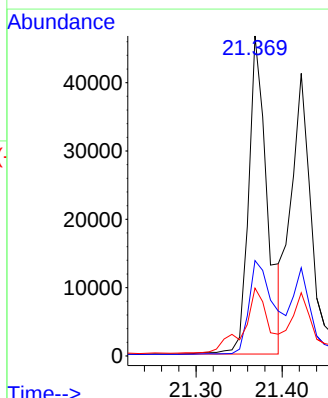
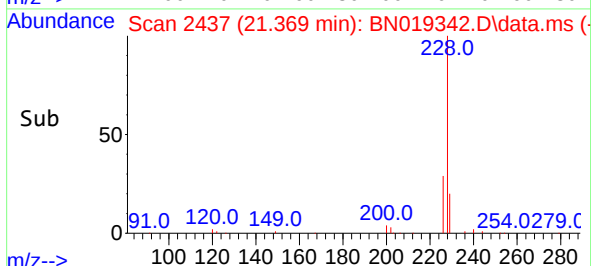
Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022

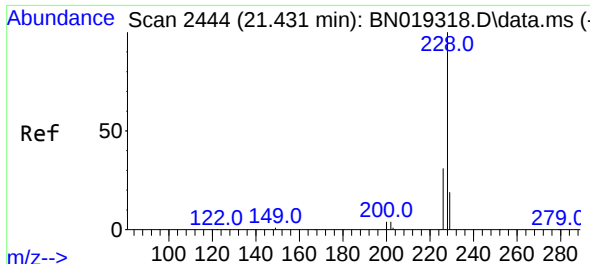


#32
Benzo(a)anthracene
Concen: 0.921 ng
RT: 21.369 min Scan# 2437
Delta R.T. -0.009 min
Lab File: BN019342.D
Acq: 05 Apr 2022 07:10



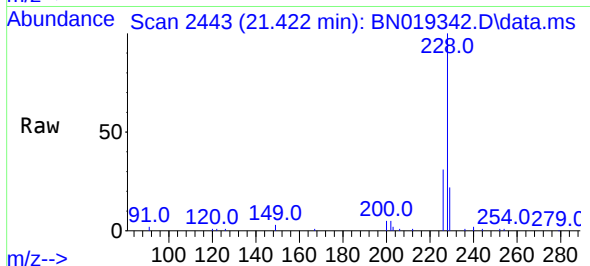
Tgt Ion:228 Resp: 70191
Ion Ratio Lower Upper
228 100
226 29.8 21.9 32.9
229 21.2 16.0 24.0





#33
Chrysene
Concen: 0.754 ng
RT: 21.422 min Scan# 2444
Delta R.T. -0.009 min
Lab File: BN019342.D
Acq: 05 Apr 2022 07:10

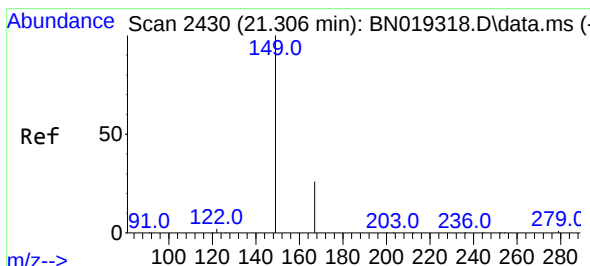
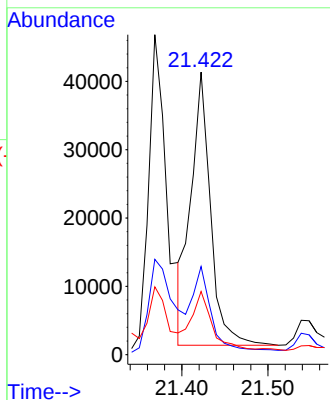
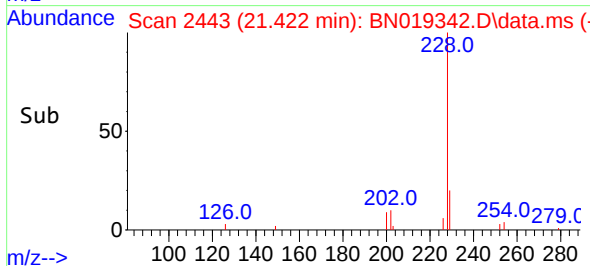
Instrument :
BNA_N
ClientSampleId :
A13015



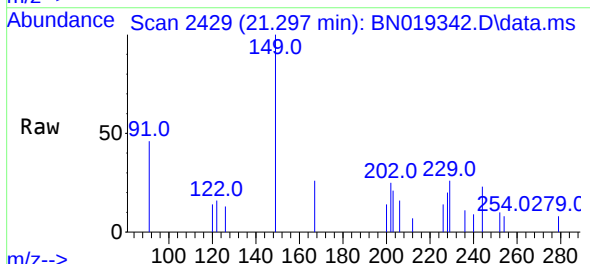
Tgt Ion: 228 Resp: 6385
Ion Ratio Lower Upper
228 100
226 31.2 24.0 36.0
229 22.4 15.9 23.9

Manual Integrations
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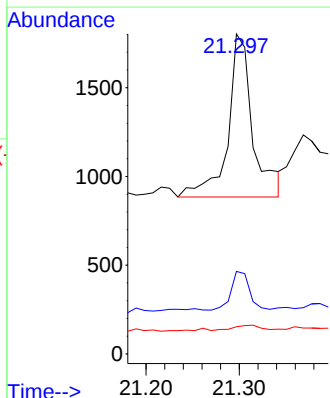
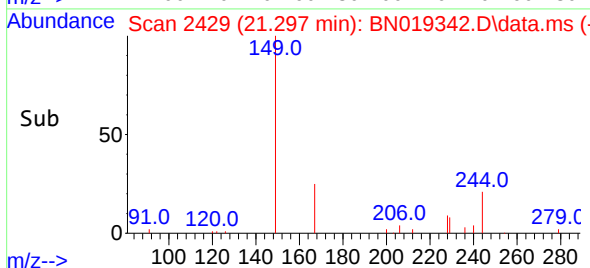
Reviewed By : Christian Giraldo 04/05/2022
Supervised By : Jagrut Upadhyay 04/05/2022

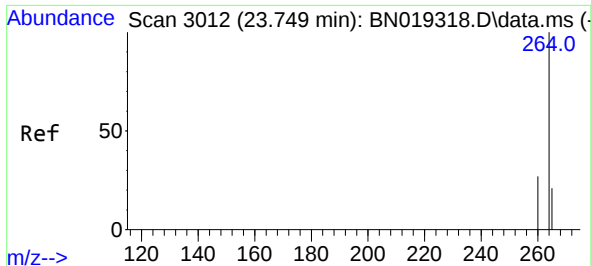


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.030 ng
RT: 21.297 min Scan# 2429
Delta R.T. -0.009 min
Lab File: BN019342.D
Acq: 05 Apr 2022 07:10



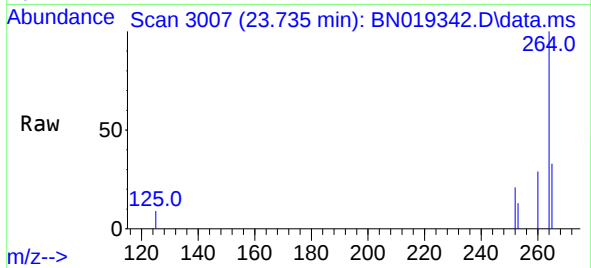
Tgt Ion: 149 Resp: 1701
Ion Ratio Lower Upper
149 100
167 17.5 21.8 32.8#
279 3.5 2.0 3.0#





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.735 min Scan# 3012
Delta R.T. -0.015 min
Lab File: BN019342.D
Acq: 05 Apr 2022 07:10

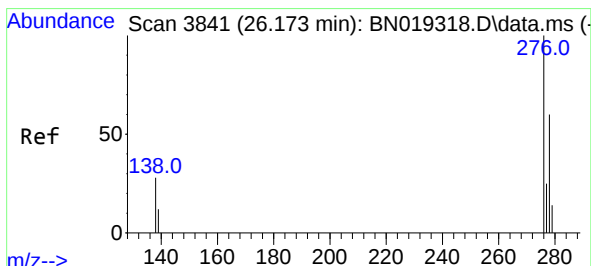
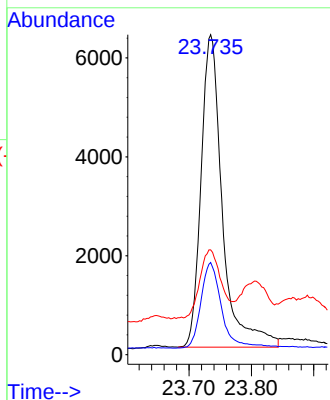
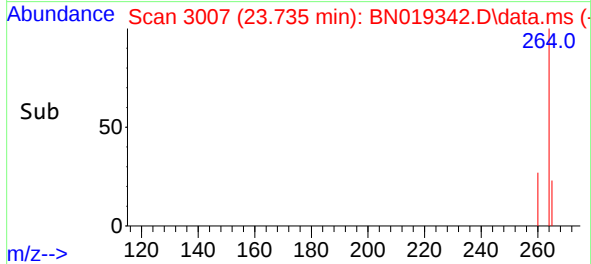
Instrument :
BNA_N
ClientSampleId :
A13015



Tgt Ion:264 Resp: 1502
Ion Ratio Lower Upper
264 100
260 28.8 22.4 33.6
265 32.8 25.3 37.9

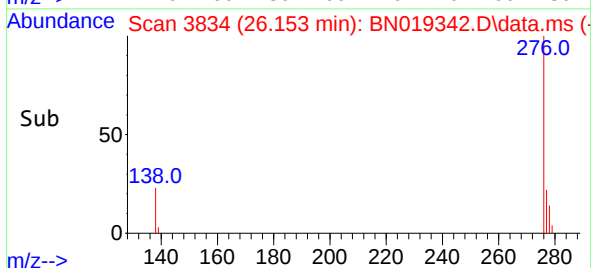
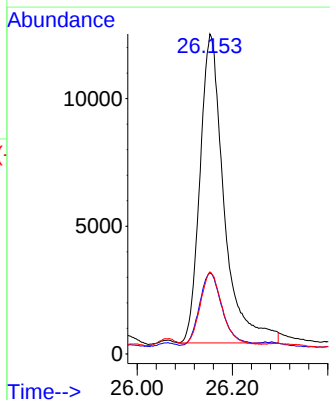
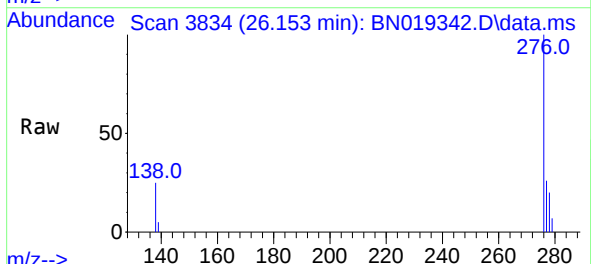
Manual Integrations
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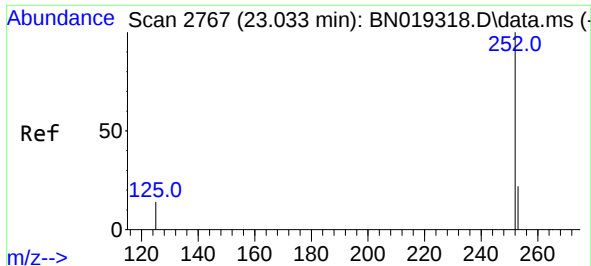
Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.675 ng
RT: 26.153 min Scan# 3834
Delta R.T. -0.020 min
Lab File: BN019342.D
Acq: 05 Apr 2022 07:10

Tgt Ion:276 Resp: 42461
Ion Ratio Lower Upper
276 100
138 22.3 24.5 36.7#
277 20.9 19.8 29.8





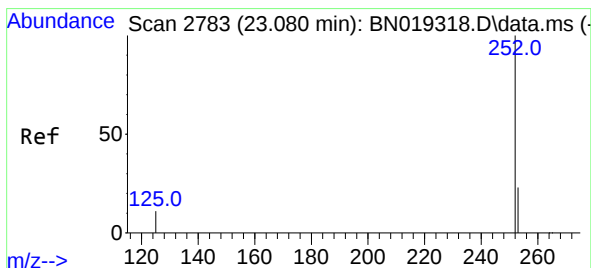
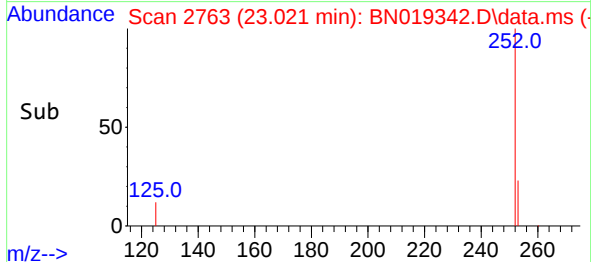
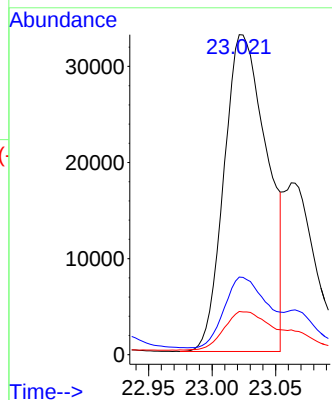
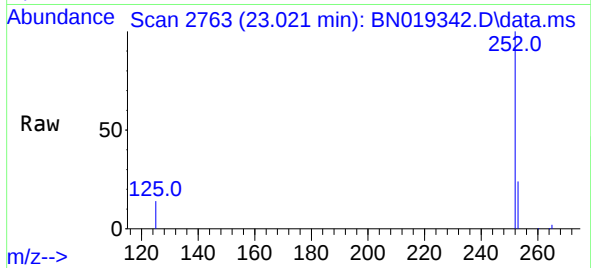
#37
Benzo(b)fluoranthene
Concen: 1.320 ng
RT: 23.021 min Scan# 21
Delta R.T. -0.012 min
Lab File: BN019342.D
Acq: 05 Apr 2022 07:10

Instrument :
BNA_N
ClientSampleId :
A13015

Tgt Ion:252 Resp: 7770
Ion Ratio Lower Upper
252 100
253 24.3 18.9 28.3
125 13.5 12.1 18.1

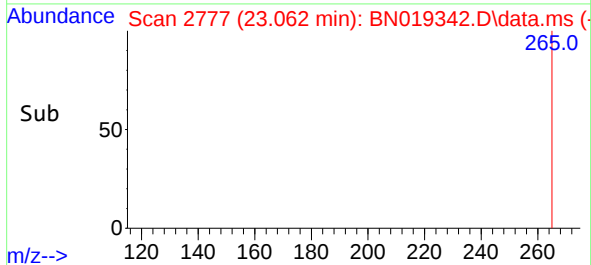
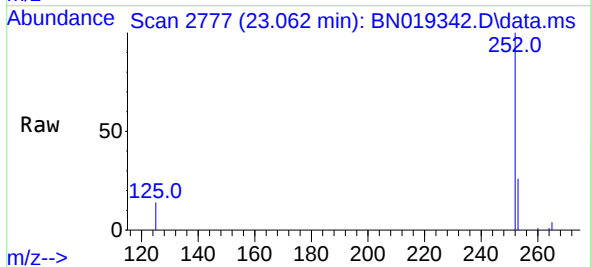
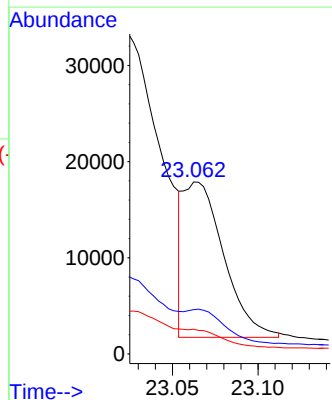
Manual Integrations
APPROVED

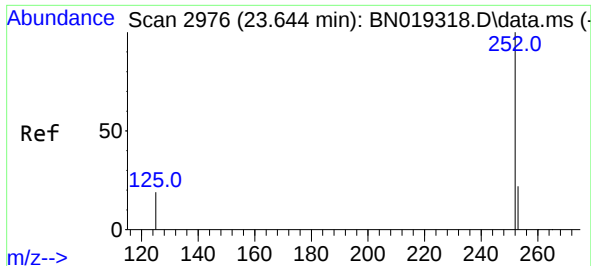
Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022



#38
Benzo(k)fluoranthene
Concen: 0.430 ng m
RT: 23.062 min Scan# 2777
Delta R.T. -0.018 min
Lab File: BN019342.D
Acq: 05 Apr 2022 07:10

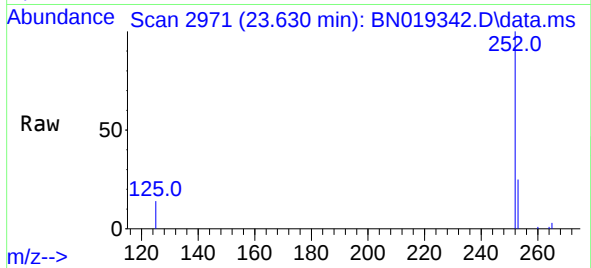
Tgt Ion:252 Resp: 26479
Ion Ratio Lower Upper
252 100
253 25.8 18.9 28.3
125 14.4 10.3 15.5





#39
Benzo(a)pyrene
Concen: 1.005 ng m
RT: 23.630 min Scan# 2976
Delta R.T. -0.015 min
Lab File: BN019342.D
Acq: 05 Apr 2022 07:10

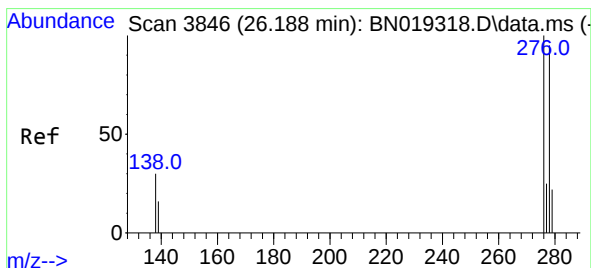
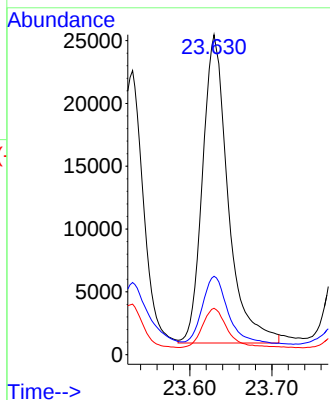
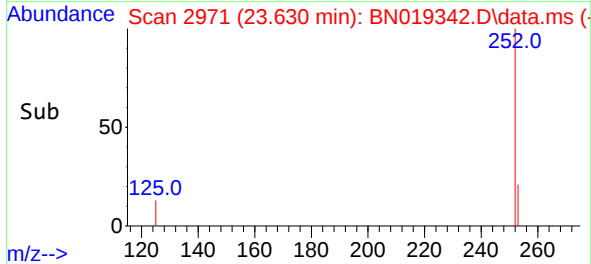
Instrument :
BNA_N
ClientSampleId :
A13015



Tgt Ion:252 Resp: 53169
Ion Ratio Lower Upper
252 100
253 24.5 20.1 30.1
125 14.5 15.2 22.8

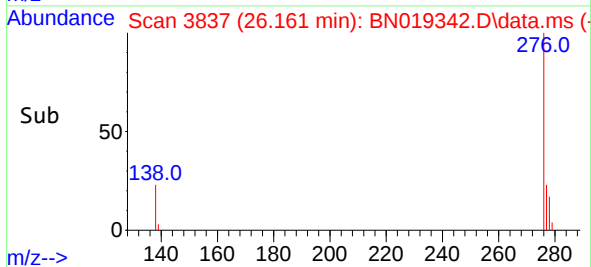
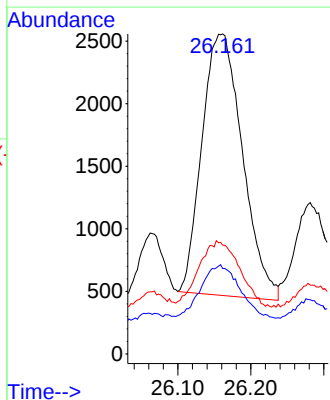
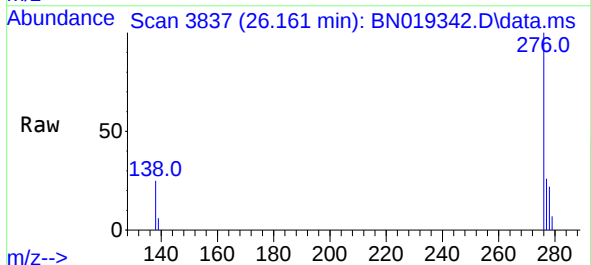
Manual Integrations
APPROVED

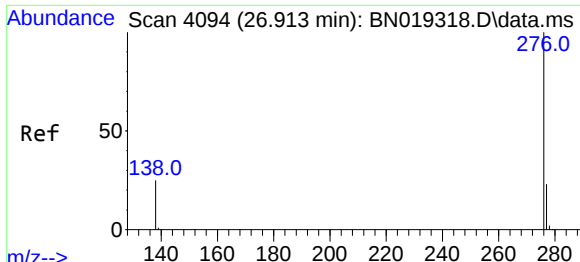
Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022



#40
Dibenzo(a,h)anthracene
Concen: 0.166 ng
RT: 26.161 min Scan# 3837
Delta R.T. -0.026 min
Lab File: BN019342.D
Acq: 05 Apr 2022 07:10

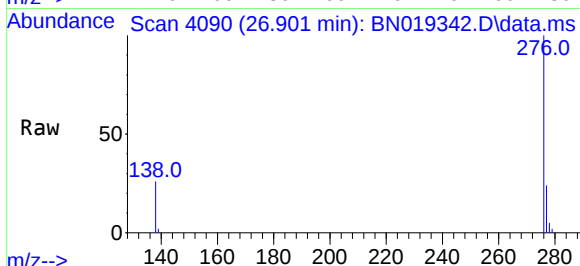
Tgt Ion:278 Resp: 8070
Ion Ratio Lower Upper
278 100
139 26.7 17.2 25.8#
279 34.0 19.9 29.9#





#41
 Benzo(g,h,i)perylene
 Concen: 1.040 ng
 RT: 26.901 min Scan# 4090
 Delta R.T. -0.012 min
 Lab File: BN019342.D
 Acq: 05 Apr 2022 07:10

Instrument :
 BNA_N
 ClientSampleId :
 A13015



Tgt Ion: 276 Resp: 6063

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.4	29.0
138	25.6	21.0	31.6

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