

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040422\
 Data File : BN019343.D
 Acq On : 05 Apr 2022 07:45
 Operator : CG/JU
 Sample : N2237-07 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A01040

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/08/2022
 Supervised By : Jagrut Upadhyay 04/08/2022

Quant Time: Apr 05 08:51:59 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	10057	0.400	ng	0.00
7) Naphthalene-d8	10.626	136	30784	0.400	ng	# 0.00
13) Acenaphthene-d10	14.463	164	18444	0.400	ng	0.00
19) Phenanthrene-d10	17.205	188	36466	0.400	ng	# 0.00
29) Chrysene-d12	21.386	240	19104	0.400	ng	# 0.00
35) Perylene-d12	23.738	264	18894	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	437	0.016	ng	0.00
5) Phenol-d6	6.995	99	461	0.014	ng	0.00
8) Nitrobenzene-d5	8.993	82	391	0.014	ng	0.01
11) 2-Methylnaphthalene-d10	12.223	152	962	0.018	ng	0.00
14) 2,4,6-Tribromophenol	15.954	330	144	0.013	ng	0.00
15) 2-Fluorobiphenyl	13.095	172	1332	0.017	ng	0.00
27) Fluoranthene-d10	19.236	212	1450	0.012	ng	0.00
31) Terphenyl-d14	19.822	244	3003	0.072	ng	-0.01
Target Compounds						
9) Naphthalene	10.680	128	27329	0.301	ng	Qvalue 100
12) 2-Methylnaphthalene	12.291	142	11750	0.187	ng	98
16) Acenaphthylene	14.185	152	120347	1.315	ng	100
17) Acenaphthene	14.527	154	50550	0.830	ng	98
18) Fluorene	15.511	166	106550	1.326	ng	99
25) Phenanthrene	17.246	178	2027792	16.573	ng	100
26) Anthracene	17.328	178	456579	4.244	ng	97
28) Fluoranthene	19.270	202	3358259	23.142	ng	99
30) Pyrene	19.628	202	2850706	32.071	ng	# 93
32) Benzo(a)anthracene	21.369	228	1460673	20.693	ng	98
33) Chrysene	21.422	228	1261728	16.087	ng	97
34) Bis(2-ethylhexyl)phtha...	21.306	149	1906	0.036	ng	# 84
36) Indeno(1,2,3-cd)pyrene	26.161	276	533227	6.743	ng	# 91
37) Benzo(b)fluoranthene	23.030	252	1363815m	18.420	ng	
38) Benzo(k)fluoranthene	23.068	252	467601m	6.043	ng	
39) Benzo(a)pyrene	23.635	252	948165m	14.254	ng	
40) Dibenzo(a,h)anthracene	26.167	278	140338	2.293	ng	97
41) Benzo(g,h,i)perylene	26.910	276	530866	7.241	ng	97

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

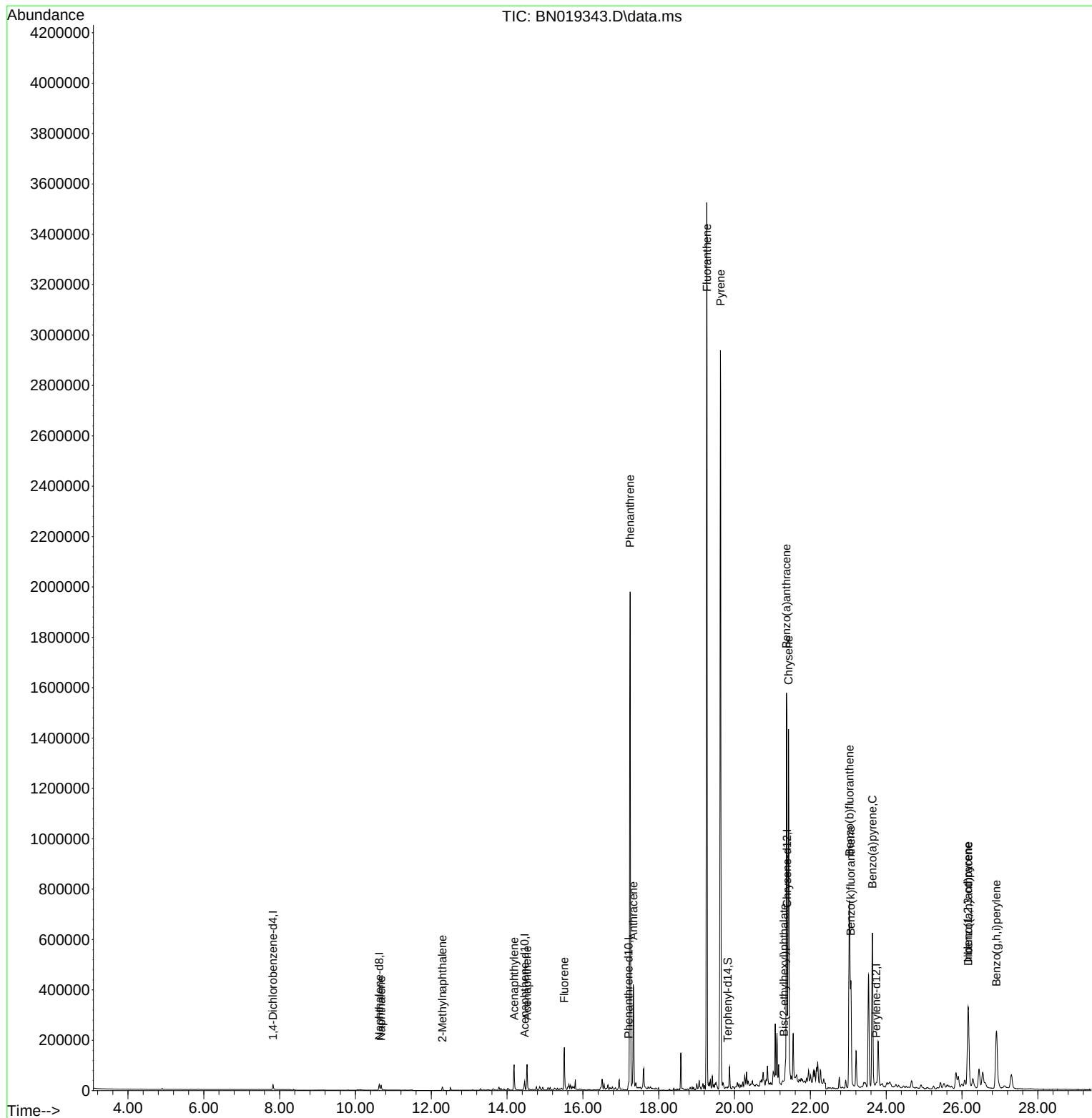
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040422\
Data File : BN019343.D
Acq On : 05 Apr 2022 07:45
Operator : CG/JU
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Misc :
ALS Vial : 29 Sample Multiplier: 1

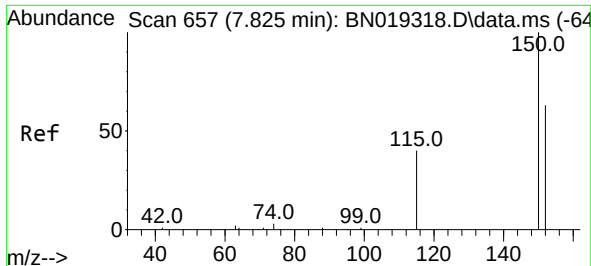
Instrument :
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A01040

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Supervised By :Jagrut Upadhyay 04/08/2022

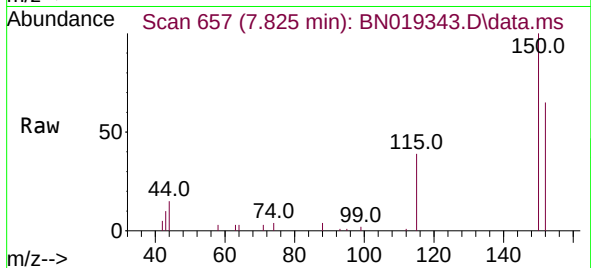
Quant Time: Apr 05 08:51:59 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN040422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 04 17:40:00 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.825 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN019343.D
Acq: 05 Apr 2022 07:45

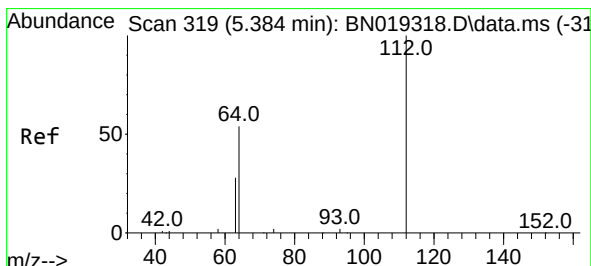
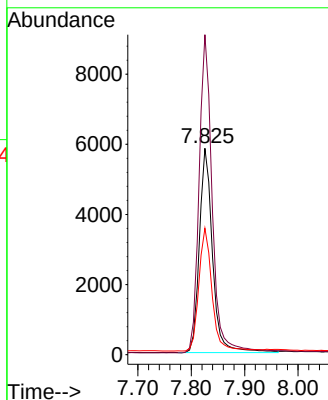
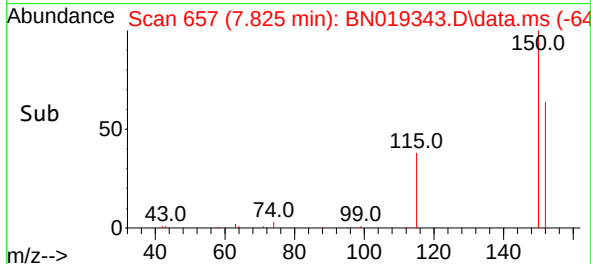
Instrument :
BNA_N
ClientSampleId :
A01040



Tgt Ion:152 Resp: 1005
Ion Ratio Lower Upper
152 100
150 155.0 123.9 185.9
115 61.2 48.2 72.4

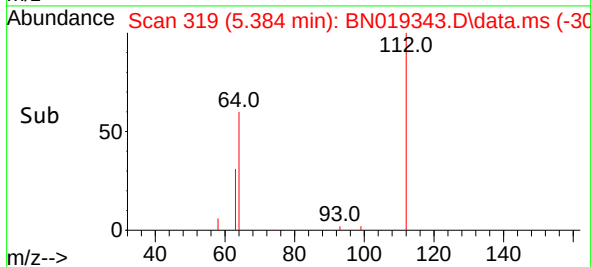
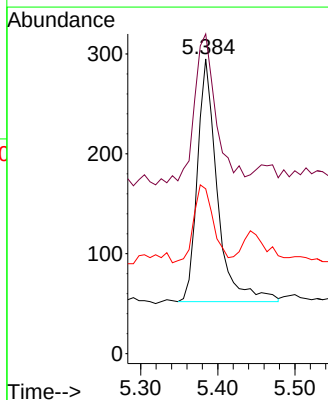
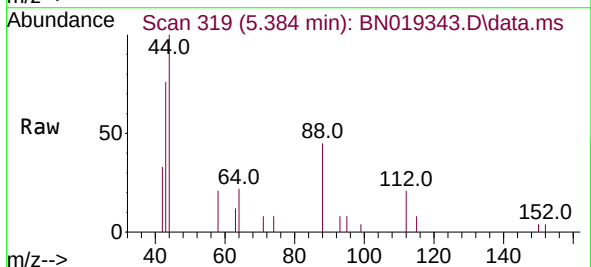
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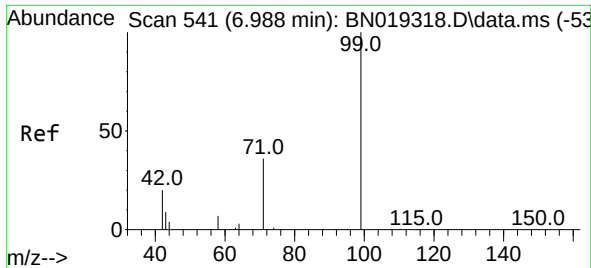
Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022



#4
2-Fluorophenol
Concen: 0.016 ng
RT: 5.384 min Scan# 319
Delta R.T. 0.000 min
Lab File: BN019343.D
Acq: 05 Apr 2022 07:45

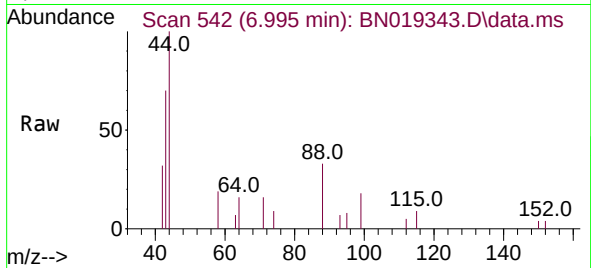
Tgt Ion:112 Resp: 437
Ion Ratio Lower Upper
112 100
64 69.3 47.8 71.8
63 31.4 25.7 38.5





#5
Phenol-d6
Concen: 0.014 ng
RT: 6.995 min Scan# 541
Delta R.T. 0.007 min
Lab File: BN019343.D
Acq: 05 Apr 2022 07:45

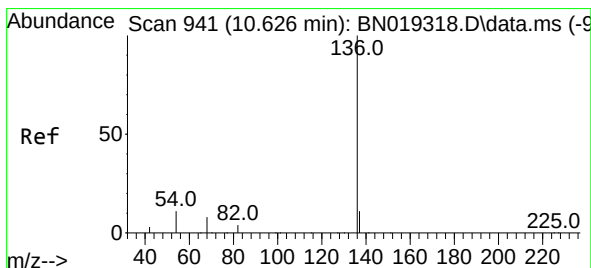
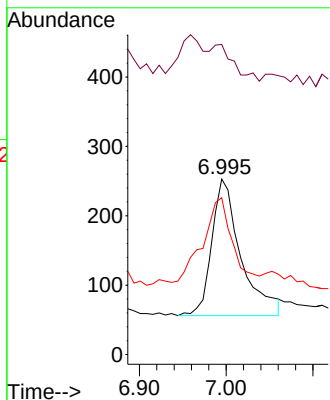
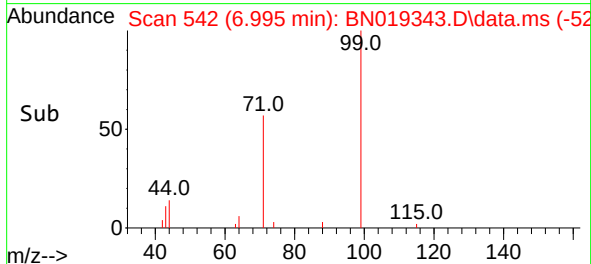
Instrument :
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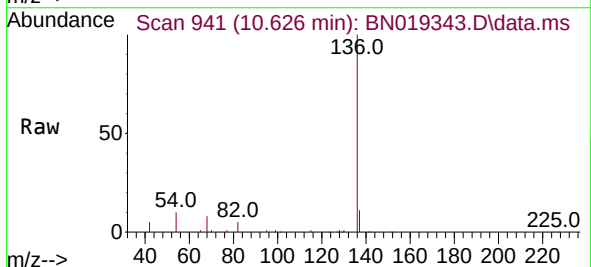
Tgt Ion: 99 Resp: 46
Ion Ratio Lower Upper
99 100
42 0.0 16.2 24.4
71 62.0 27.7 41.5

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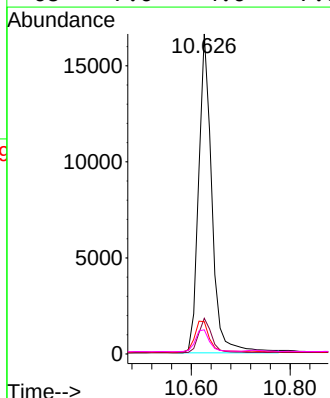
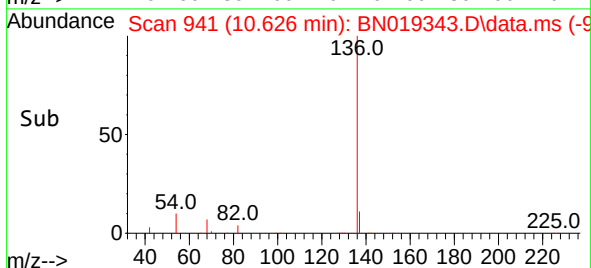
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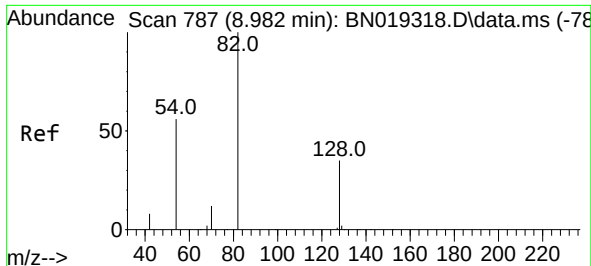


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN019343.D
Acq: 05 Apr 2022 07:45



Tgt Ion:136 Resp: 30784
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 10.1 5.8 8.6#
68 7.6 4.6 7.0#





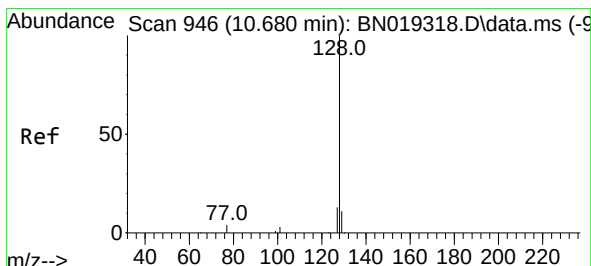
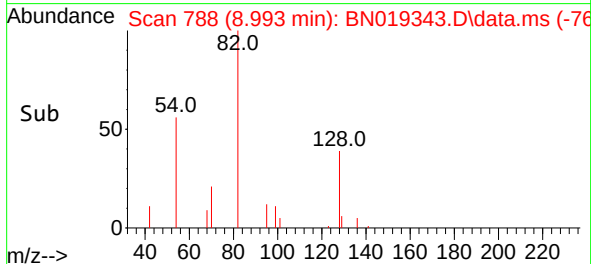
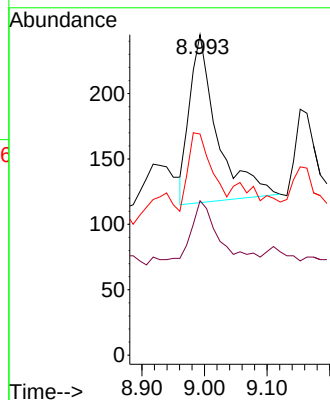
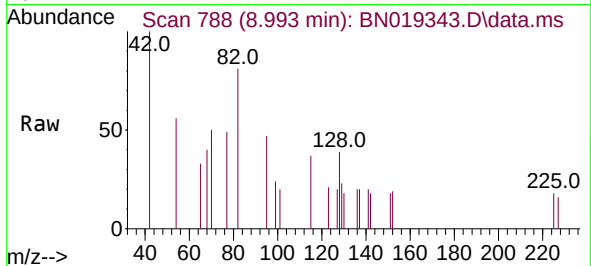
#8
Nitrobenzene-d5
Concen: 0.014 ng
RT: 8.993 min Scan# 788
Delta R.T. 0.011 min
Lab File: BN019343.D
Acq: 05 Apr 2022 07:45

Instrument :
BNA_N
ClientSampleId :
A01040

Tgt Ion: 82 Resp: 39
Ion Ratio Lower Upper
82 100
128 48.2 33.0 49.6
54 69.0 42.5 63.7

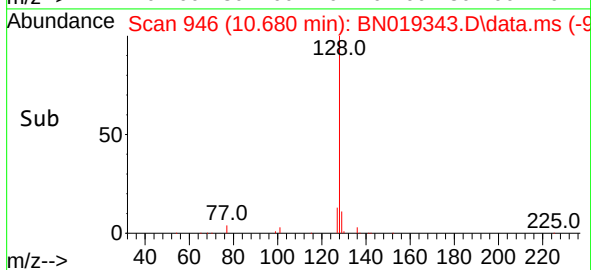
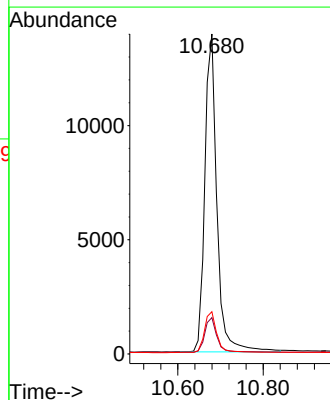
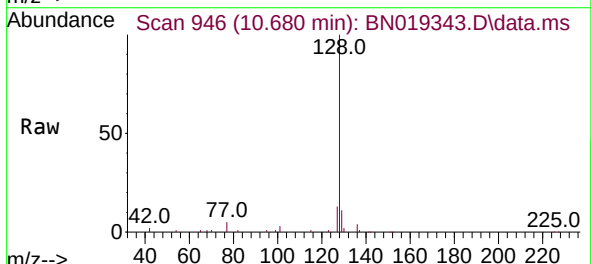
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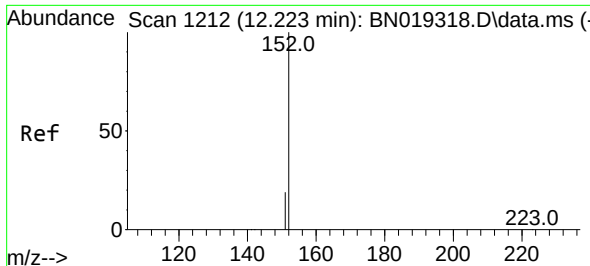
Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022



#9
Naphthalene
Concen: 0.301 ng
RT: 10.680 min Scan# 946
Delta R.T. 0.000 min
Lab File: BN019343.D
Acq: 05 Apr 2022 07:45

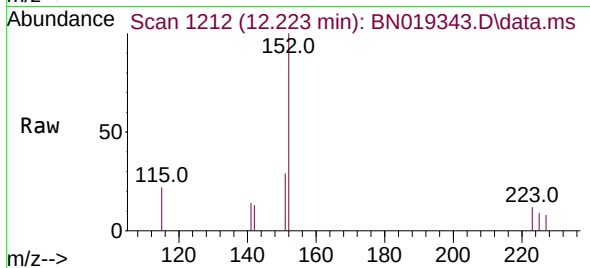
Tgt Ion:128 Resp: 27329
Ion Ratio Lower Upper
128 100
129 11.4 9.0 13.4
127 13.2 10.7 16.1





#11
2-Methylnaphthalene-d10
Concen: 0.018 ng
RT: 12.223 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN019343.D
Acq: 05 Apr 2022 07:45

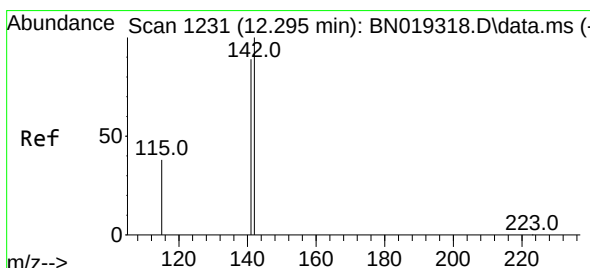
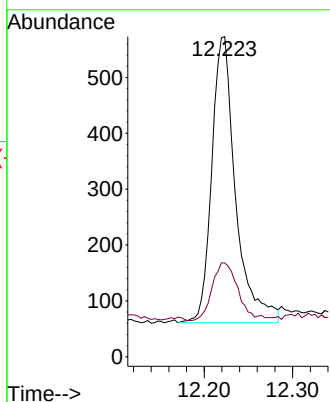
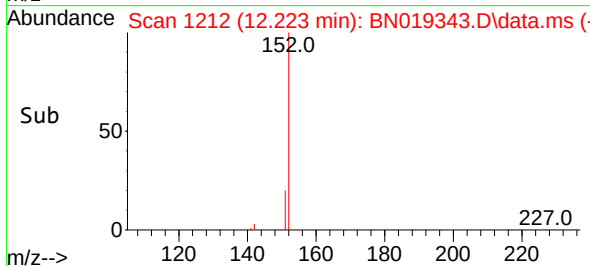
Instrument :
BNA_N
ClientSampleId :
A01040



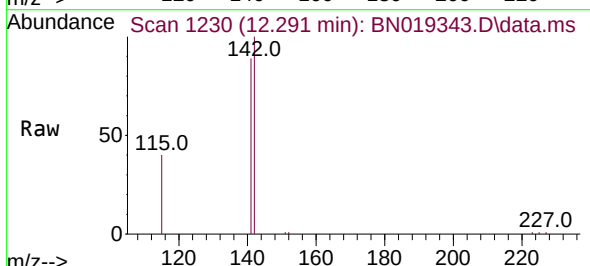
Tgt Ion:152 Resp: 962
Ion Ratio Lower Upper
152 100
151 21.8 16.5 24.7

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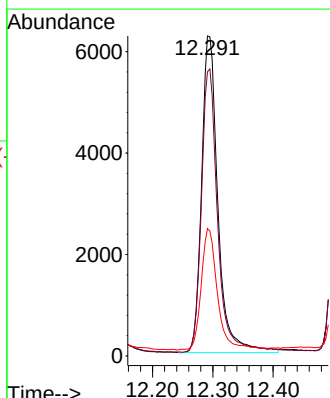
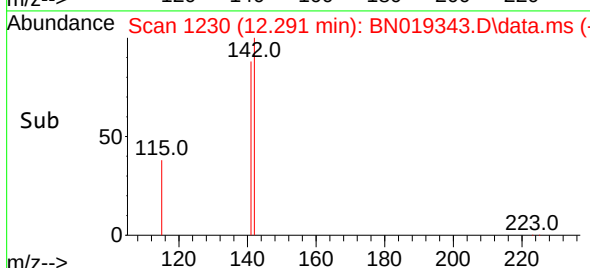
Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022

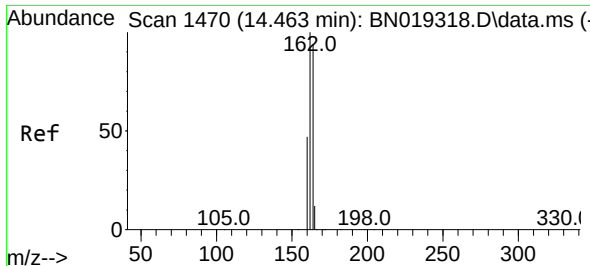


#12
2-Methylnaphthalene
Concen: 0.187 ng
RT: 12.291 min Scan# 1230
Delta R.T. -0.004 min
Lab File: BN019343.D
Acq: 05 Apr 2022 07:45



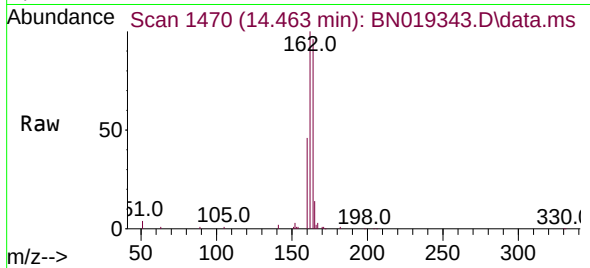
Tgt Ion:142 Resp: 11750
Ion Ratio Lower Upper
142 100
141 88.8 70.0 105.0
115 39.8 29.8 44.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.463 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BN019343.D
Acq: 05 Apr 2022 07:45

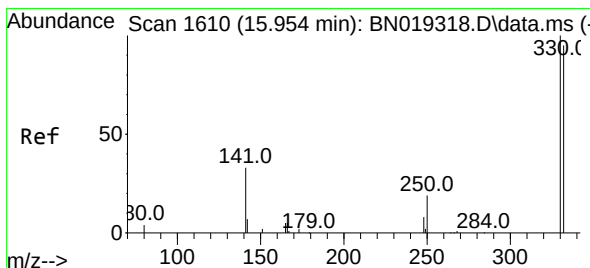
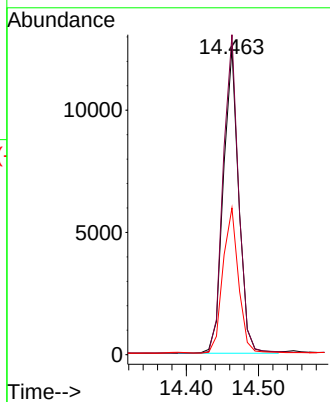
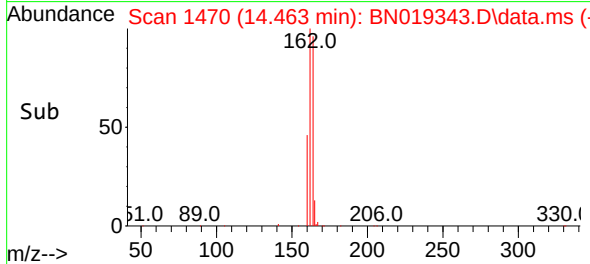
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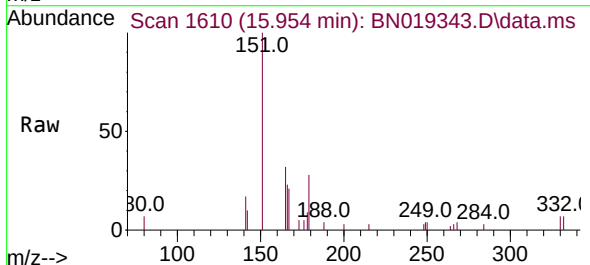
Tgt Ion:164 Resp: 1844
Ion Ratio Lower Upper
164 100
162 104.4 85.2 127.8
160 47.9 41.5 62.3

Manual Integrations
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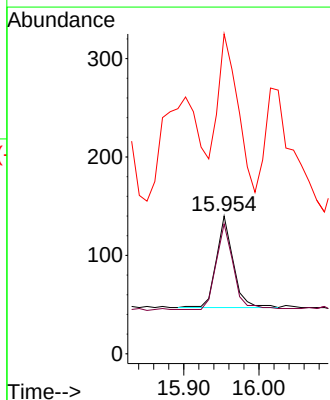
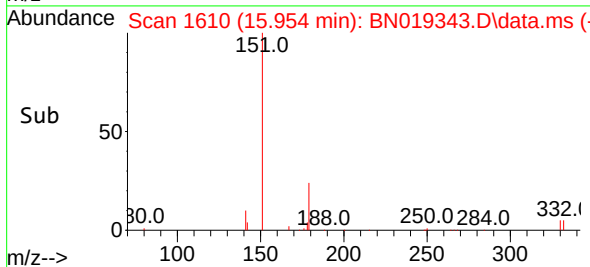
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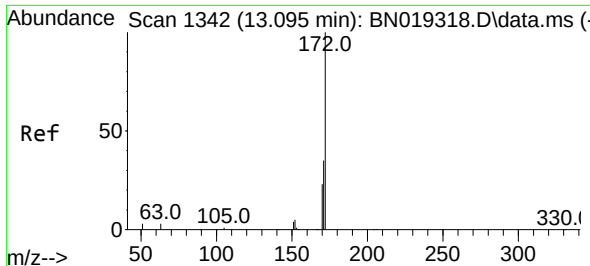


#14
2,4,6-Tribromophenol
Concen: 0.013 ng
RT: 15.954 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BN019343.D
Acq: 05 Apr 2022 07:45



Tgt Ion:330 Resp: 144
Ion Ratio Lower Upper
330 100
332 95.8 76.8 115.2
141 201.4 32.2 48.2#





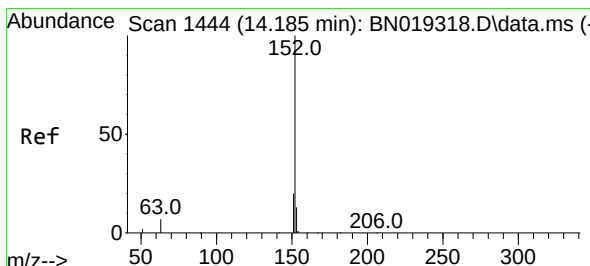
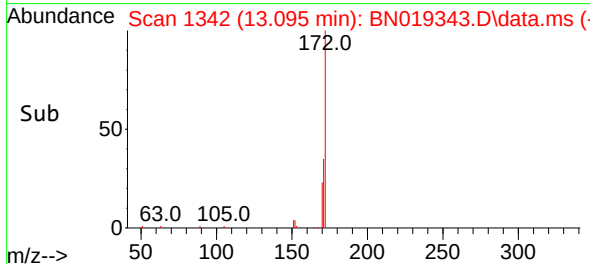
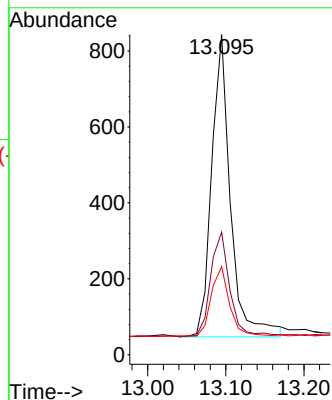
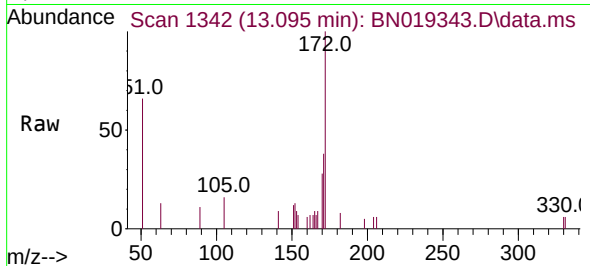
#15
2-Fluorobiphenyl
Concen: 0.017 ng
RT: 13.095 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BN019343.D
Acq: 05 Apr 2022 07:45

Instrument :
BNA_N
ClientSampleId :
A01040

Tgt Ion:172 Resp: 1332
Ion Ratio Lower Upper
172 100
171 38.3 28.2 42.2
170 27.5 18.7 28.1

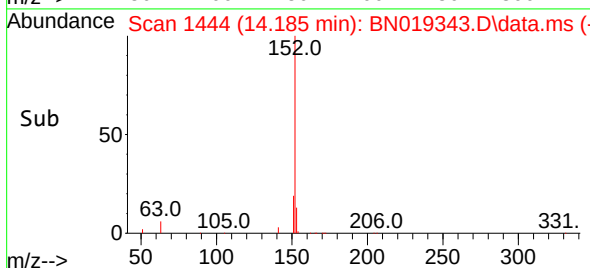
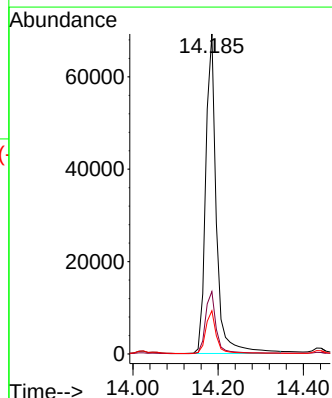
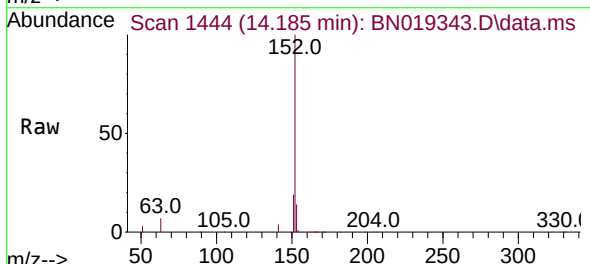
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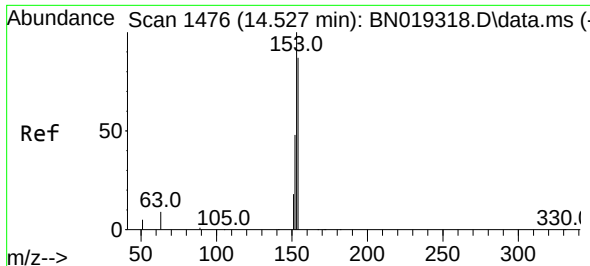
Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022



#16
Acenaphthylene
Concen: 1.315 ng
RT: 14.185 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN019343.D
Acq: 05 Apr 2022 07:45

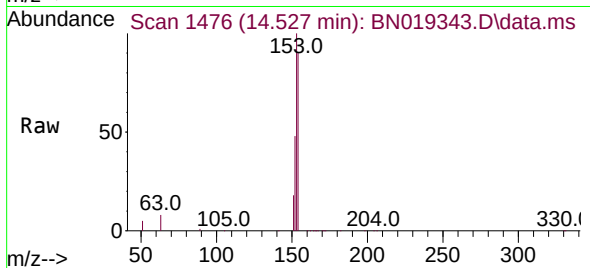
Tgt Ion:152 Resp: 120347
Ion Ratio Lower Upper
152 100
151 19.8 15.9 23.9
153 13.5 10.6 15.8





#17
Acenaphthene
Concen: 0.830 ng
RT: 14.527 min Scan# 1476
Delta R.T. 0.000 min
Lab File: BN019343.D
Acq: 05 Apr 2022 07:45

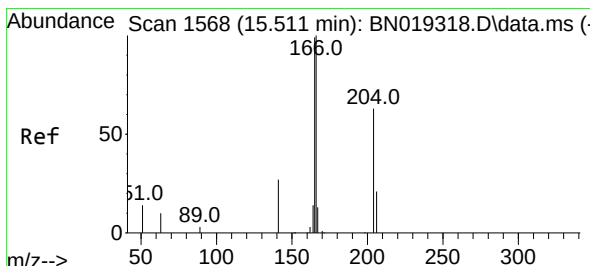
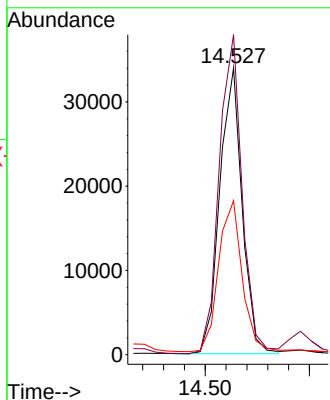
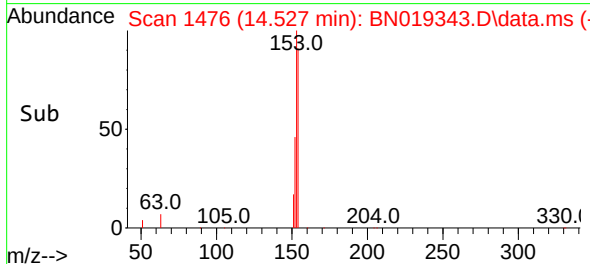
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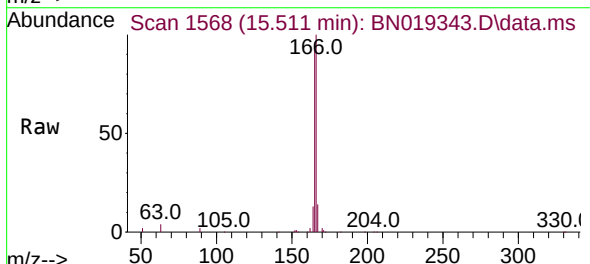
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Ion Ratio Lower Upper
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153 114.4 89.7 134.5
152 57.1 44.7 67.1

Manual Integrations
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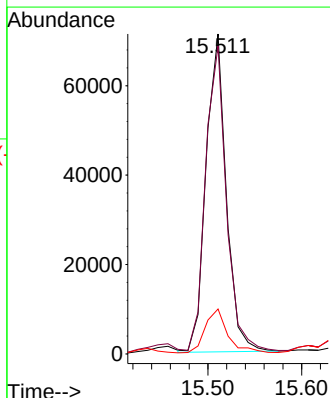
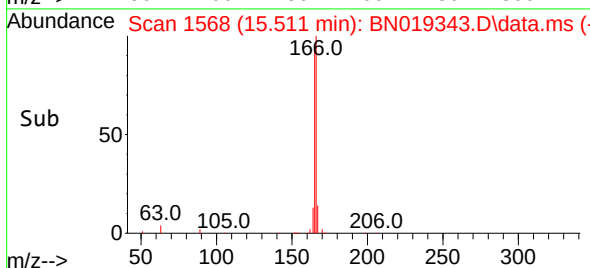
Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022

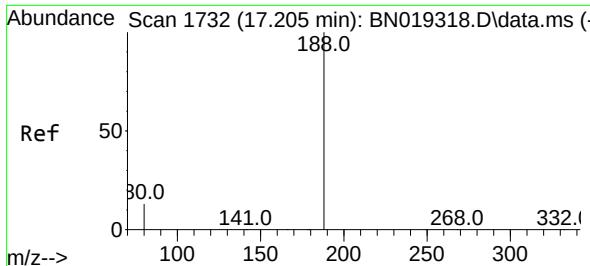


#18
Fluorene
Concen: 1.326 ng
RT: 15.511 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BN019343.D
Acq: 05 Apr 2022 07:45



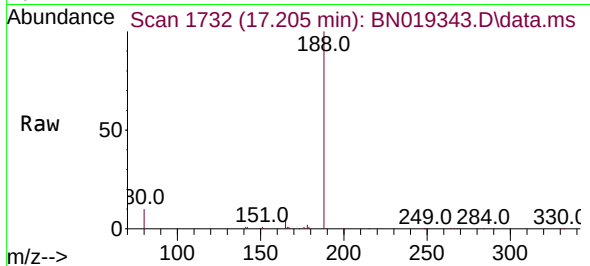
Tgt Ion:166 Resp: 106550
Ion Ratio Lower Upper
166 100
165 98.4 79.2 118.8
167 15.4 10.7 16.1





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.205 min Scan# 1732
Delta R.T. 0.000 min
Lab File: BN019343.D
Acq: 05 Apr 2022 07:45

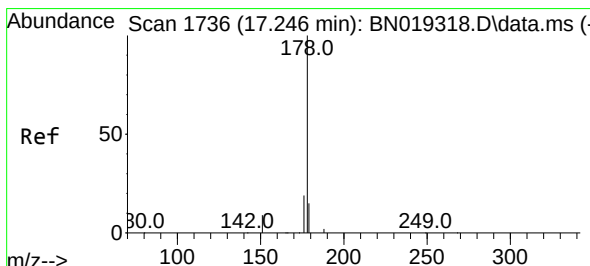
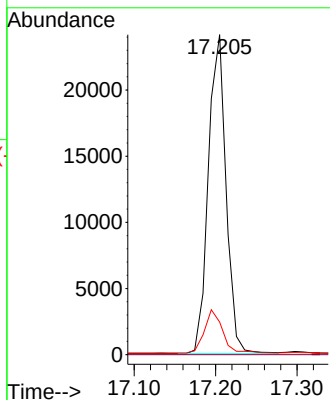
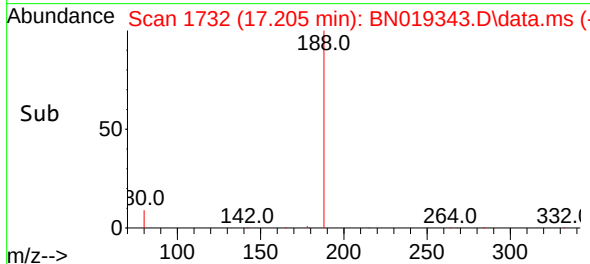
Instrument :
BNA_N
ClientSampleId :
A01040



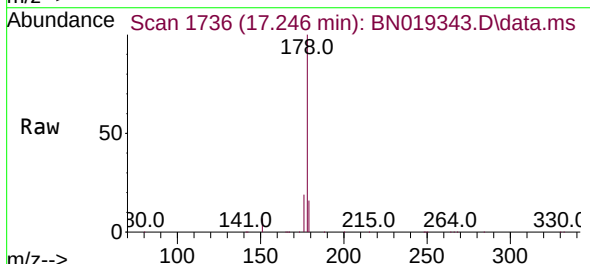
Tgt Ion:188 Resp: 36460
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.2 11.8 17.8

Manual Integrations
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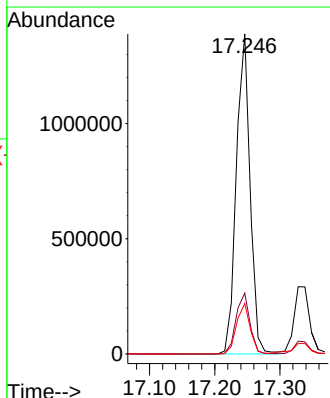
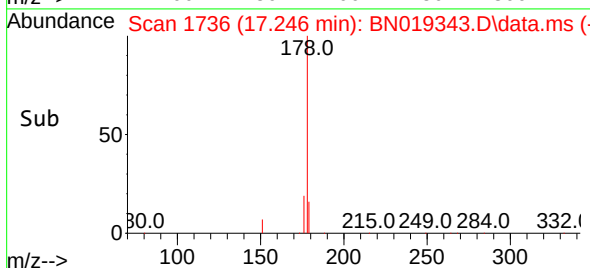
Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022

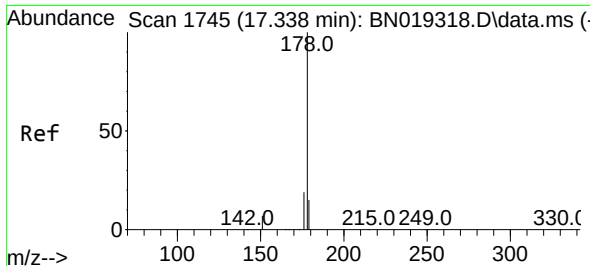


#25
Phenanthrene
Concen: 16.573 ng
RT: 17.246 min Scan# 1736
Delta R.T. 0.000 min
Lab File: BN019343.D
Acq: 05 Apr 2022 07:45



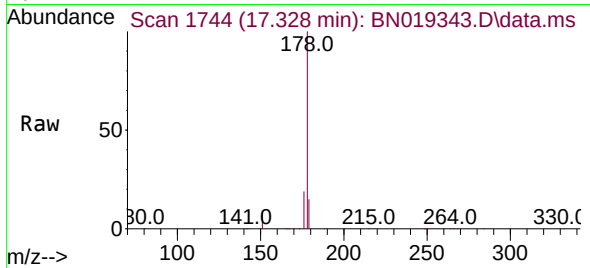
Tgt Ion:178 Resp: 2027792
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.6 12.2 18.2





#26
 Anthracene
 Concen: 4.244 ng
 RT: 17.328 min Scan# 11
 Delta R.T. -0.010 min
 Lab File: BN019343.D
 Acq: 05 Apr 2022 07:45

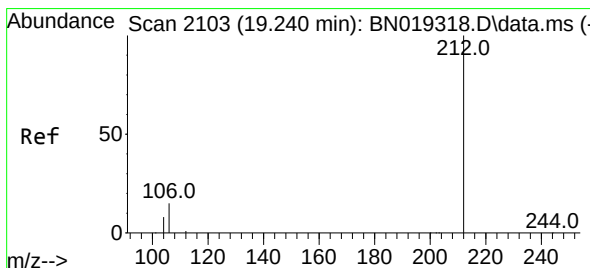
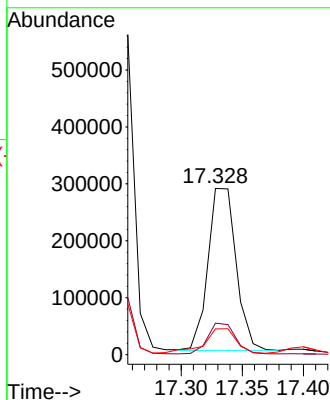
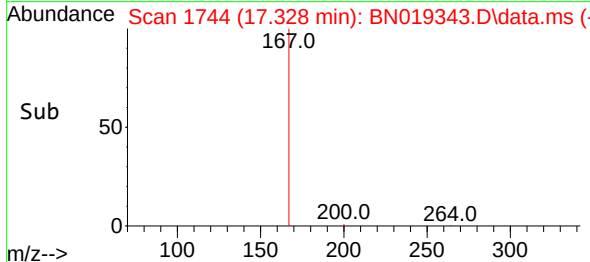
Instrument :
 BNA_N
 ClientSampleId :
 A01040



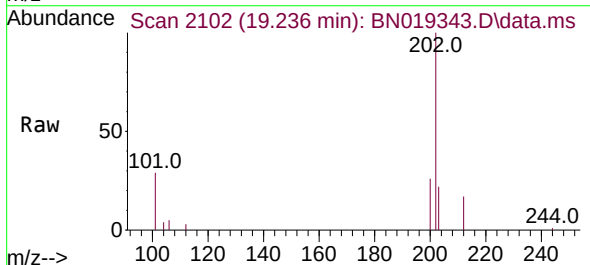
Tgt Ion:178 Resp: 456579
 Ion Ratio Lower Upper
 178 100
 176 19.5 14.8 22.2
 179 16.7 12.2 18.4

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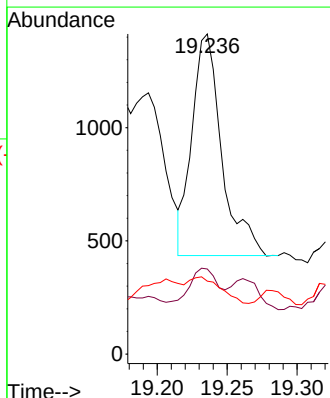
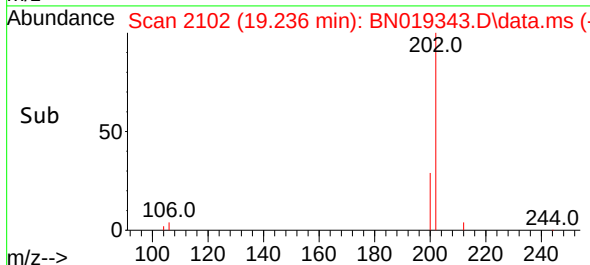
Reviewed By :Christian Giraldo 04/08/2022
 Supervised By :Jagrut Upadhyay 04/08/2022

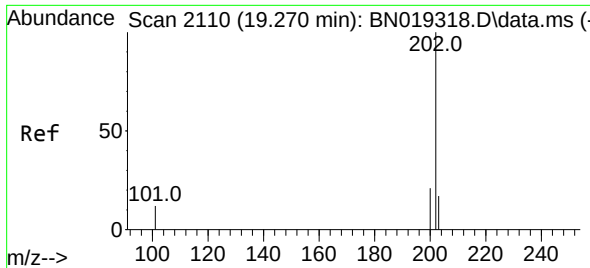


#27
 Fluoranthene-d10
 Concen: 0.012 ng
 RT: 19.236 min Scan# 2102
 Delta R.T. -0.004 min
 Lab File: BN019343.D
 Acq: 05 Apr 2022 07:45



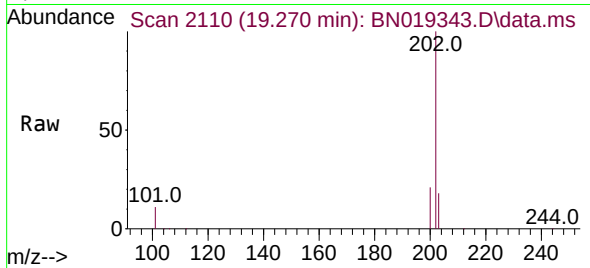
Tgt Ion:212 Resp: 1450
 Ion Ratio Lower Upper
 212 100
 106 13.5 12.7 19.1
 104 12.8 7.1 10.7#





#28
Fluoranthene
Concen: 23.142 ng
RT: 19.270 min Scan# 2110
Delta R.T. 0.000 min
Lab File: BN019343.D
Acq: 05 Apr 2022 07:45

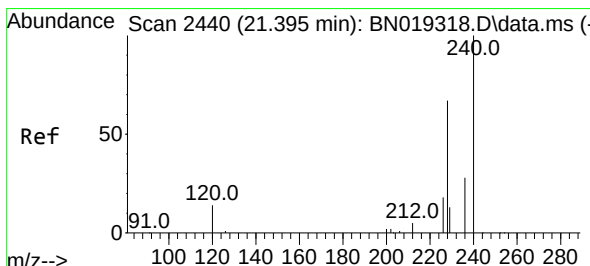
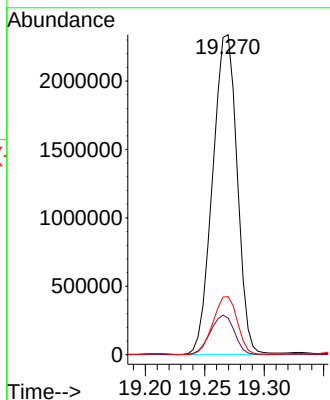
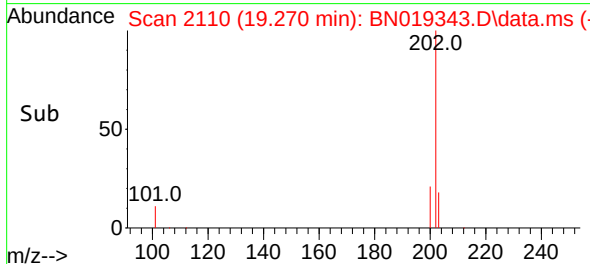
Instrument :
BNA_N
ClientSampleId :
A01040



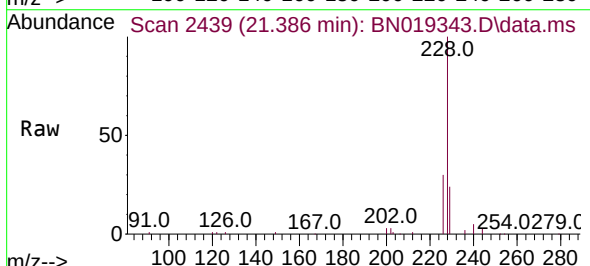
Tgt Ion:202 Resp: 335825
Ion Ratio Lower Upper
202 100
101 12.2 9.8 14.6
203 18.0 13.7 20.5

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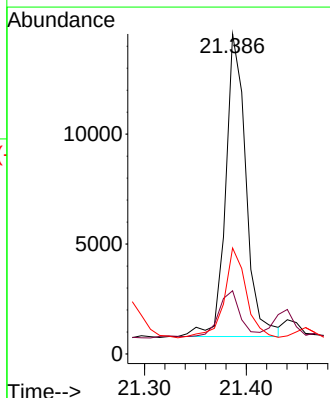
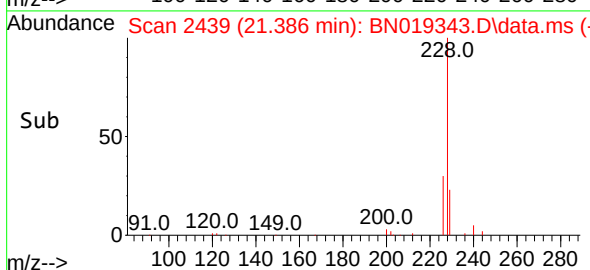
Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022

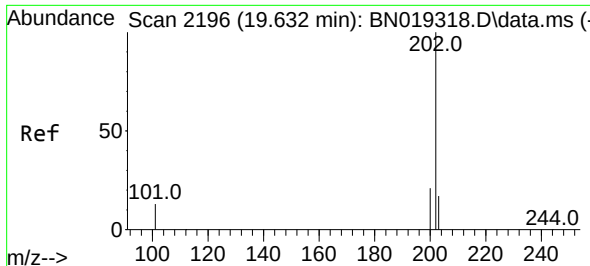


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.386 min Scan# 2439
Delta R.T. -0.009 min
Lab File: BN019343.D
Acq: 05 Apr 2022 07:45



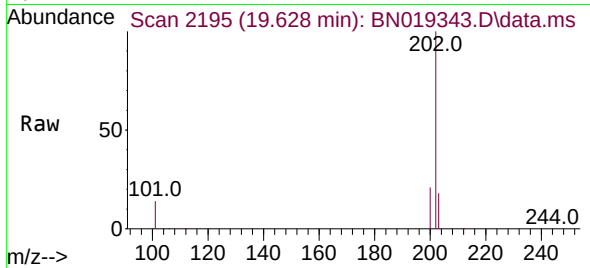
Tgt Ion:240 Resp: 19104
Ion Ratio Lower Upper
240 100
120 19.8 8.5 12.7#
236 33.1 22.4 33.6





#30
Pyrene
Concen: 32.071 ng
RT: 19.628 min Scan# 2195
Delta R.T. -0.004 min
Lab File: BN019343.D
Acq: 05 Apr 2022 07:45

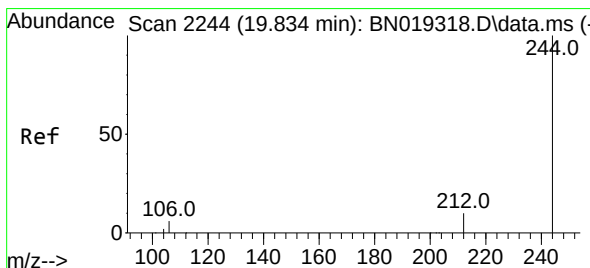
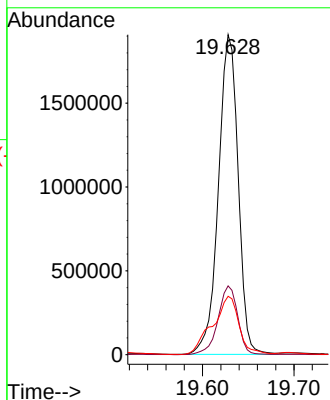
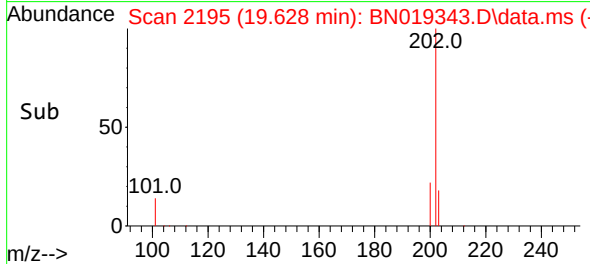
Instrument :
BNA_N
ClientSampleId :
A01040



Tgt Ion:202 Resp: 2850700
Ion Ratio Lower Upper
202 100
200 21.5 16.9 25.3
203 24.3 14.2 21.2

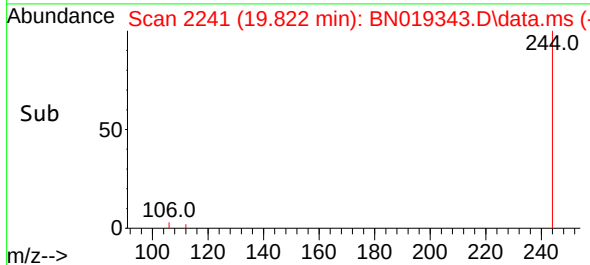
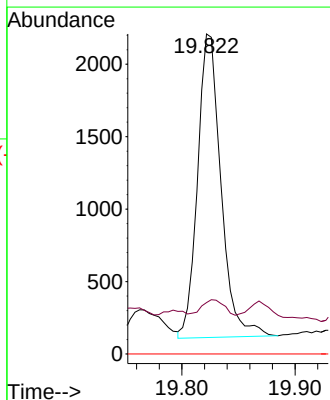
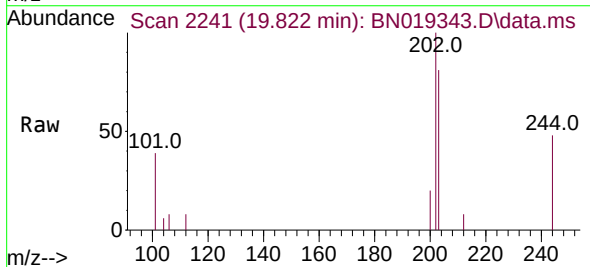
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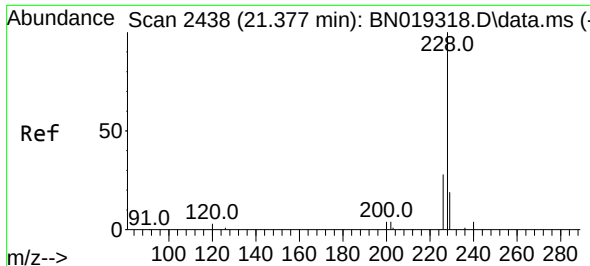
Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022



#31
Terphenyl-d14
Concen: 0.072 ng
RT: 19.822 min Scan# 2241
Delta R.T. -0.013 min
Lab File: BN019343.D
Acq: 05 Apr 2022 07:45

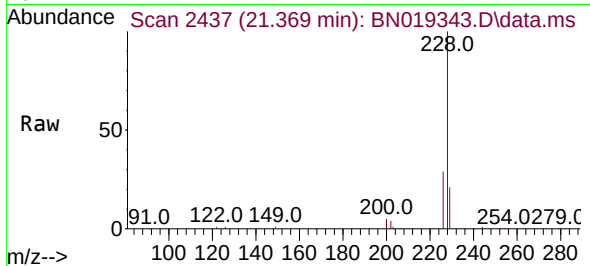
Tgt Ion:244 Resp: 3003
Ion Ratio Lower Upper
244 100
212 16.1 8.2 12.4#
122 0.0 0.0 0.0





#32
Benzo(a)anthracene
Concen: 20.693 ng
RT: 21.369 min Scan# 2437
Delta R.T. -0.009 min
Lab File: BN019343.D
Acq: 05 Apr 2022 07:45

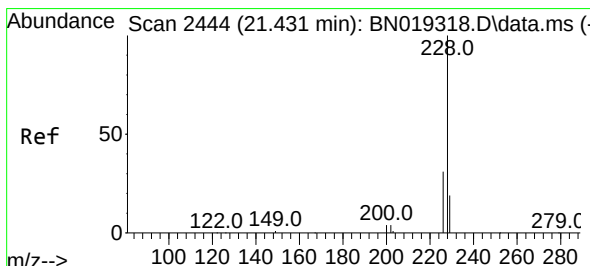
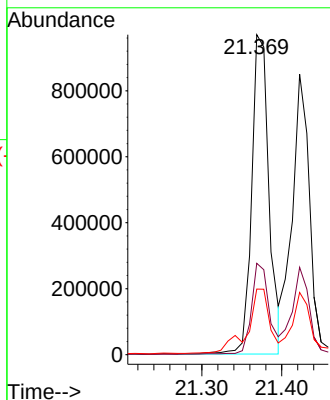
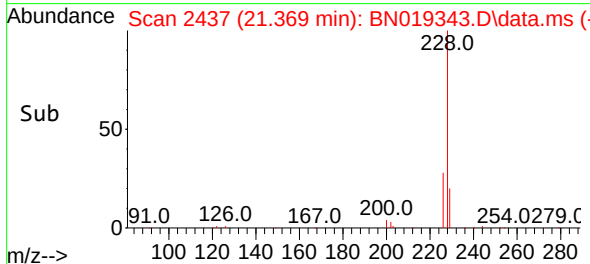
Instrument :
BNA_N
ClientSampleId :
A01040



Tgt Ion:228 Resp: 146067
Ion Ratio Lower Upper
228 100
226 28.6 21.9 32.9
229 20.5 16.0 24.0

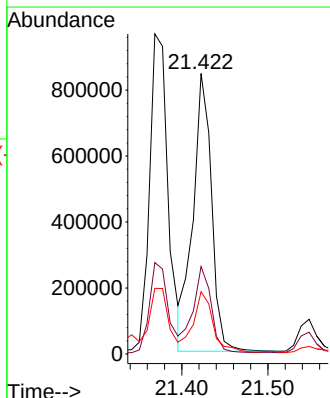
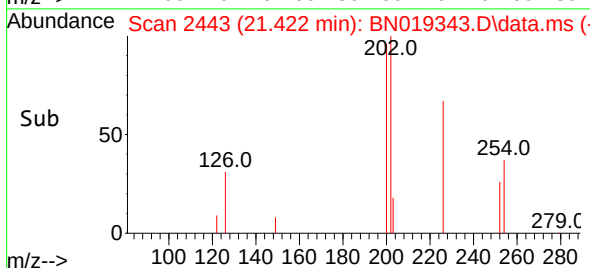
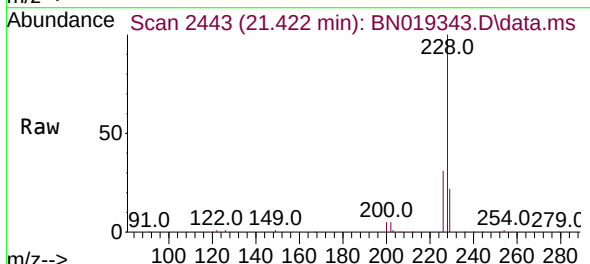
Manual Integrations
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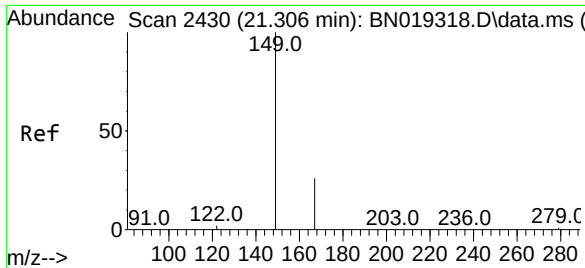
Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022



#33
Chrysene
Concen: 16.087 ng
RT: 21.422 min Scan# 2443
Delta R.T. -0.009 min
Lab File: BN019343.D
Acq: 05 Apr 2022 07:45

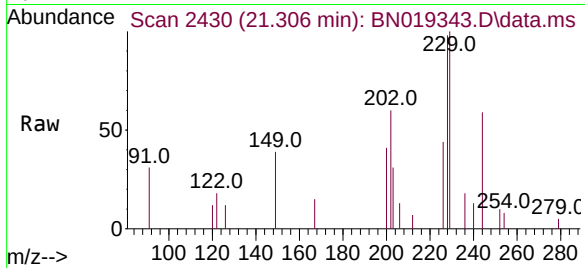
Tgt Ion:228 Resp: 1261728
Ion Ratio Lower Upper
228 100
226 31.2 24.0 36.0
229 22.2 15.9 23.9





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.036 ng
RT: 21.306 min Scan# 2430
Delta R.T. 0.000 min
Lab File: BN019343.D
Acq: 05 Apr 2022 07:45

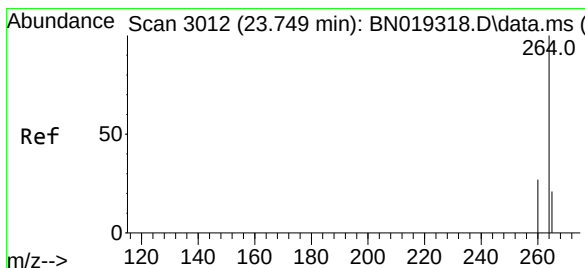
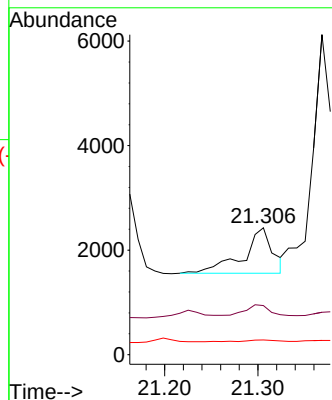
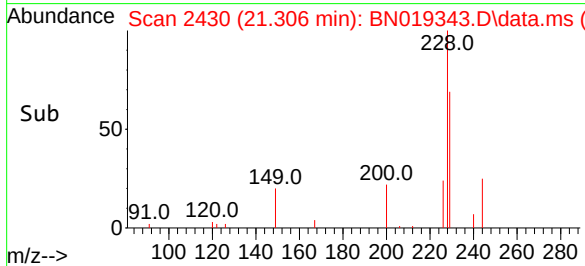
Instrument :
BNA_N
ClientSampleId :
A01040



Tgt Ion:149 Resp: 1900
Ion Ratio Lower Upper
149 100
167 18.6 21.8 32.8
279 4.4 2.0 3.0

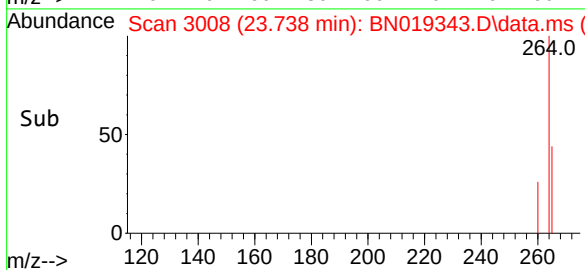
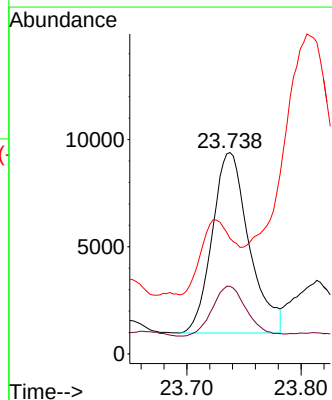
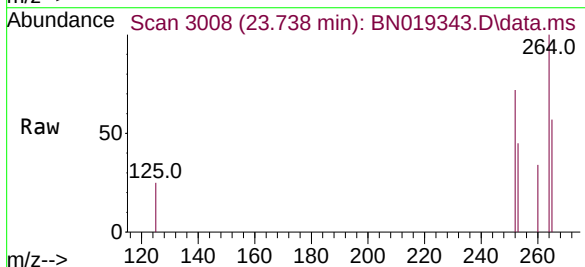
Manual Integrations
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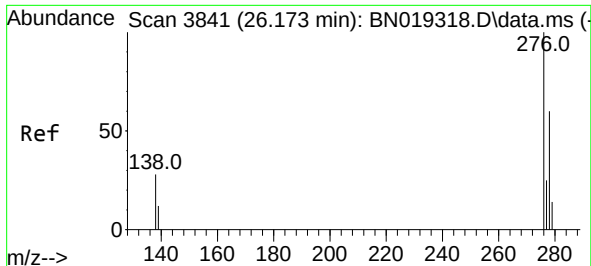
Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.738 min Scan# 3008
Delta R.T. -0.012 min
Lab File: BN019343.D
Acq: 05 Apr 2022 07:45

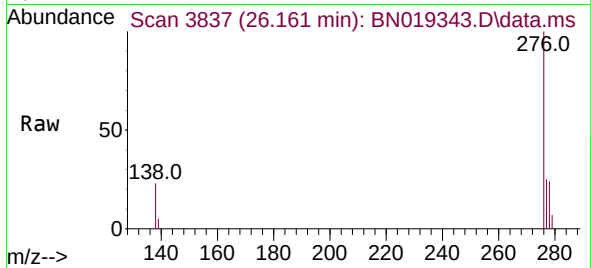
Tgt Ion:264 Resp: 18894
Ion Ratio Lower Upper
264 100
260 33.6 22.4 33.6
265 57.4 25.3 37.9





#36
 Indeno(1,2,3-cd)pyrene
 Concen: 6.743 ng
 RT: 26.161 min Scan# 3841
 Delta R.T. -0.012 min
 Lab File: BN019343.D
 Acq: 05 Apr 2022 07:45

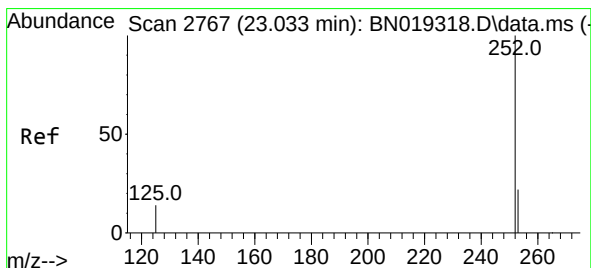
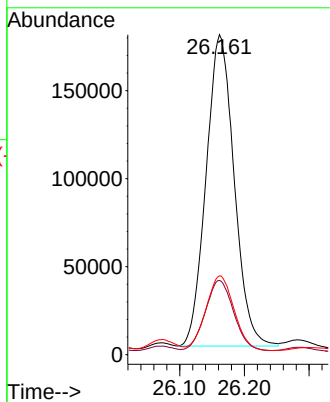
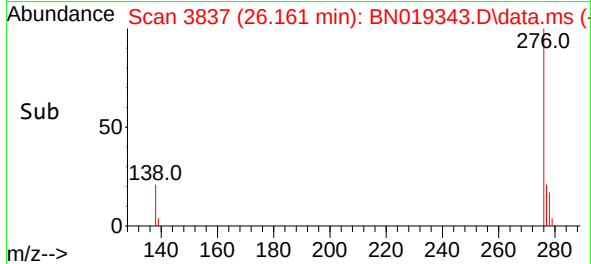
Instrument :
 BNA_N
 ClientSampleId :
 A01040



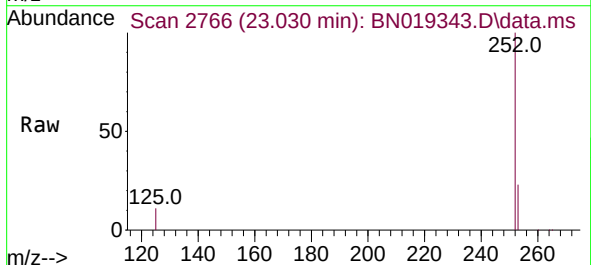
Tgt Ion:276 Resp: 533227
 Ion Ratio Lower Upper
 276 100
 138 22.7 24.5 36.7
 277 24.1 19.8 29.8

Manual Integrations
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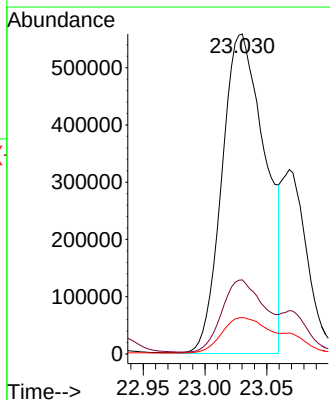
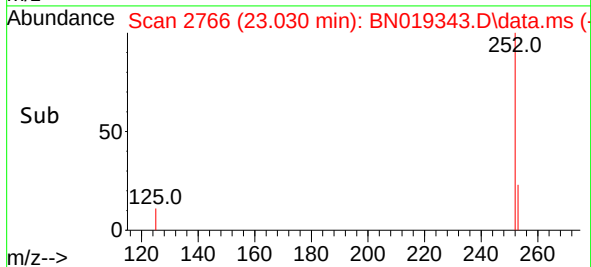
Reviewed By :Christian Giraldo 04/08/2022
 Supervised By :Jagrut Upadhyay 04/08/2022

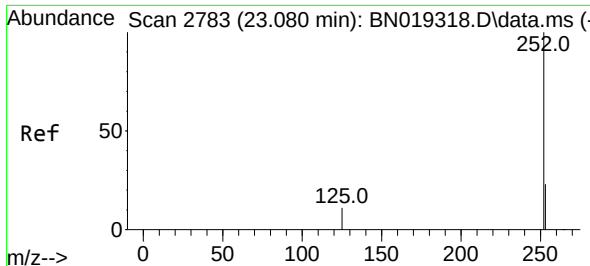


#37
 Benzo(b)fluoranthene
 Concen: 18.420 ng m
 RT: 23.030 min Scan# 2766
 Delta R.T. -0.003 min
 Lab File: BN019343.D
 Acq: 05 Apr 2022 07:45



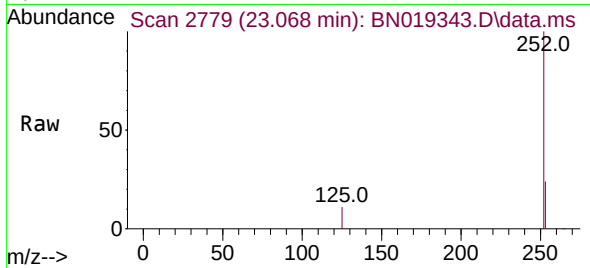
Tgt Ion:252 Resp: 1363815
 Ion Ratio Lower Upper
 252 100
 253 23.1 18.9 28.3
 125 11.4 12.1 18.1





#38
Benzo(k)fluoranthene
Concen: 6.043 ng m
RT: 23.068 min Scan# 21
Delta R.T. -0.012 min
Lab File: BN019343.D
Acq: 05 Apr 2022 07:45

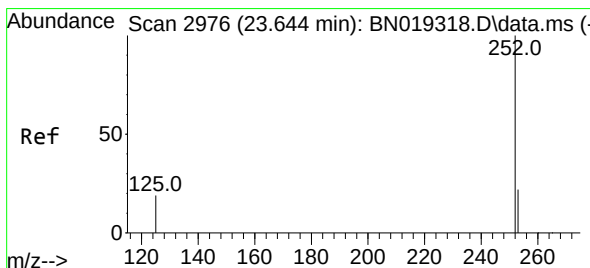
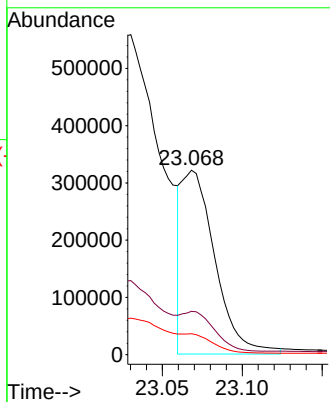
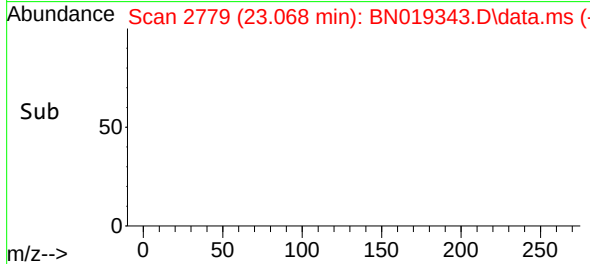
Instrument :
BNA_N
ClientSampleId :
A01040



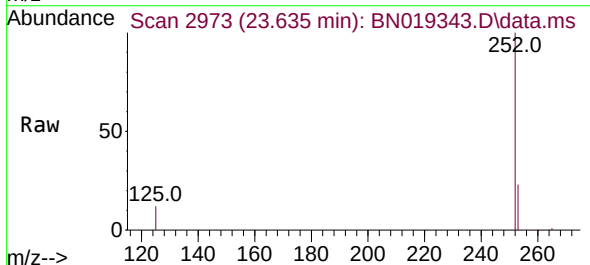
Tgt Ion:252 Resp: 46760
Ion Ratio Lower Upper
252 100
253 23.5 18.9 28.3
125 11.3 10.3 15.5

Manual Integrations
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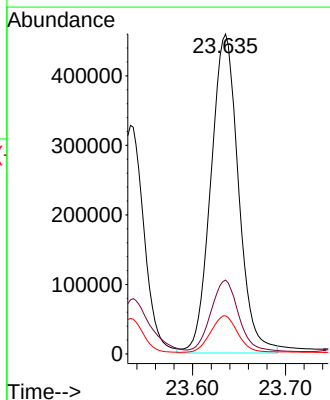
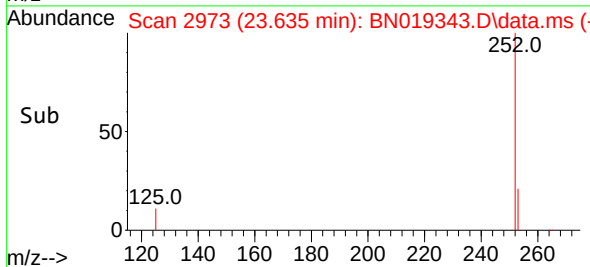
Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022

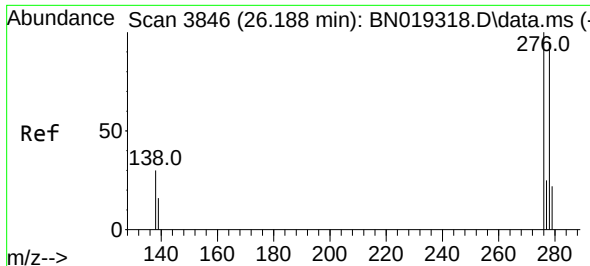


#39
Benzo(a)pyrene
Concen: 14.254 ng m
RT: 23.635 min Scan# 2973
Delta R.T. -0.009 min
Lab File: BN019343.D
Acq: 05 Apr 2022 07:45



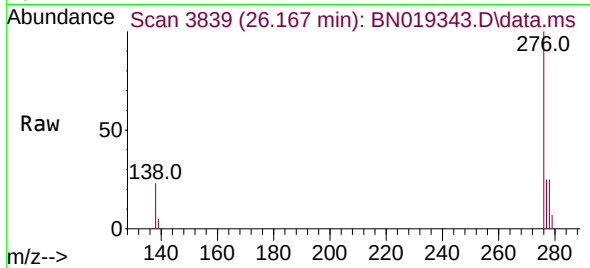
Tgt Ion:252 Resp: 948165
Ion Ratio Lower Upper
252 100
253 23.1 20.1 30.1
125 12.0 15.2 22.8#





#40
Dibenzo(a,h)anthracene
Concen: 2.293 ng
RT: 26.167 min Scan# 3846
Delta R.T. -0.020 min
Lab File: BN019343.D
Acq: 05 Apr 2022 07:45

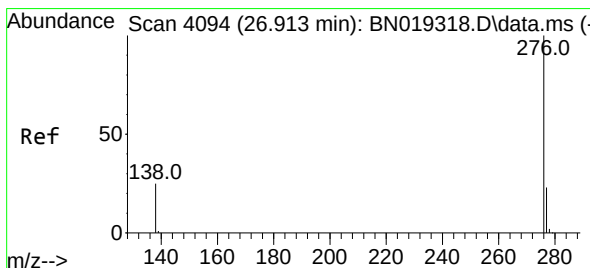
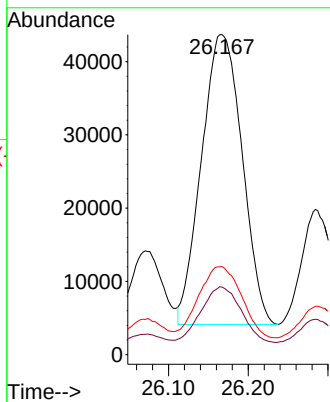
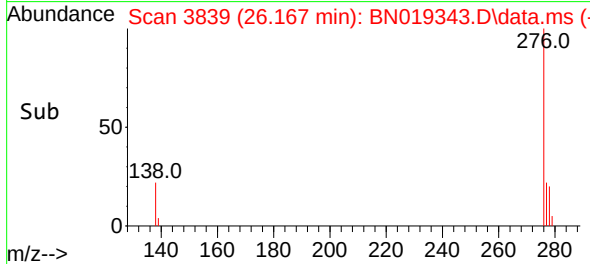
Instrument :
BNA_N
ClientSampleId :
A01040



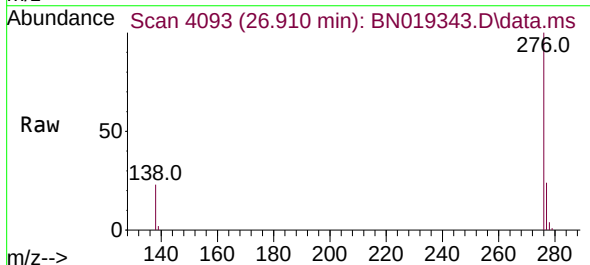
Tgt Ion: 278 Resp: 140338
Ion Ratio Lower Upper
278 100
139 21.1 17.2 25.8
279 27.5 19.9 29.9

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 04/08/2022
Supervised By : Jagrut Upadhyay 04/08/2022



#41
Benzo(g,h,i)perylene
Concen: 7.241 ng
RT: 26.910 min Scan# 4093
Delta R.T. -0.003 min
Lab File: BN019343.D
Acq: 05 Apr 2022 07:45



Tgt Ion: 276 Resp: 530866
Ion Ratio Lower Upper
276 100
277 24.1 19.4 29.0
138 23.4 21.0 31.6

