

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040522\
 Data File : BN019352.D
 Acq On : 05 Apr 2022 16:28
 Operator : CG/JU
 Sample : N2220-01 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A10015

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/06/2022
 Supervised By : Jagrut Upadhyay 04/07/2022

Quant Time: Apr 06 02:31:35 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	7.826	152	2824	0.400	ng	0.00
7) Naphthalene-d8	10.626	136	8818	0.400	ng	# 0.00
13) Acenaphthene-d10	14.463	164	6245	0.400	ng	0.00
19) Phenanthrene-d10	17.205	188	14431	0.400	ng	0.00
29) Chrysene-d12	21.387	240	14987	0.400	ng	# 0.00
35) Perylene-d12	23.738	264	14990	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	338	0.045	ng	0.00
5) Phenol-d6	7.002	99	296	0.033	ng	0.01
8) Nitrobenzene-d5	9.014	82	267	0.033	ng	0.03
11) 2-Methylnaphthalene-d10	12.227	152	689	0.044	ng	0.00
14) 2,4,6-Tribromophenol	15.954	330	137	0.036	ng	0.00
15) 2-Fluorobiphenyl	13.095	172	1018	0.039	ng	0.00
27) Fluoranthene-d10	19.236	212	1436	0.031	ng	0.00
31) Terphenyl-d14	19.830	244	1187	0.036	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.680	128	3822	0.147	ng	# 93
12) 2-Methylnaphthalene	12.299	142	3629	0.201	ng	97
16) Acenaphthylene	14.185	152	6106	0.197	ng	98
17) Acenaphthene	14.527	154	496	0.024	ng	# 81
18) Fluorene	15.511	166	901	0.033	ng	# 82
25) Phenanthrene	17.246	178	26981	0.557	ng	100
26) Anthracene	17.338	178	6233	0.146	ng	# 95
28) Fluoranthene	19.265	202	77531	1.350	ng	99
30) Pyrene	19.628	202	74895	1.074	ng	97
32) Benzo(a)anthracene	21.378	228	39488	0.713	ng	95
33) Chrysene	21.422	228	45826	0.745	ng	97
34) Bis(2-ethylhexyl)phtha...	21.306	149	3476	0.084	ng	# 95
36) Indeno(1,2,3-cd)pyrene	26.162	276	21355	0.340	ng	# 89
37) Benzo(b)fluoranthene	23.027	252	55881	0.951	ng	98
38) Benzo(k)fluoranthene	23.065	252	20308m	0.331	ng	
39) Benzo(a)pyrene	23.635	252	31761	0.602	ng	96
40) Dibenzo(a,h)anthracene	26.167	278	4910	0.101	ng	# 80
41) Benzo(g,h,i)perylene	26.904	276	23415	0.403	ng	99

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

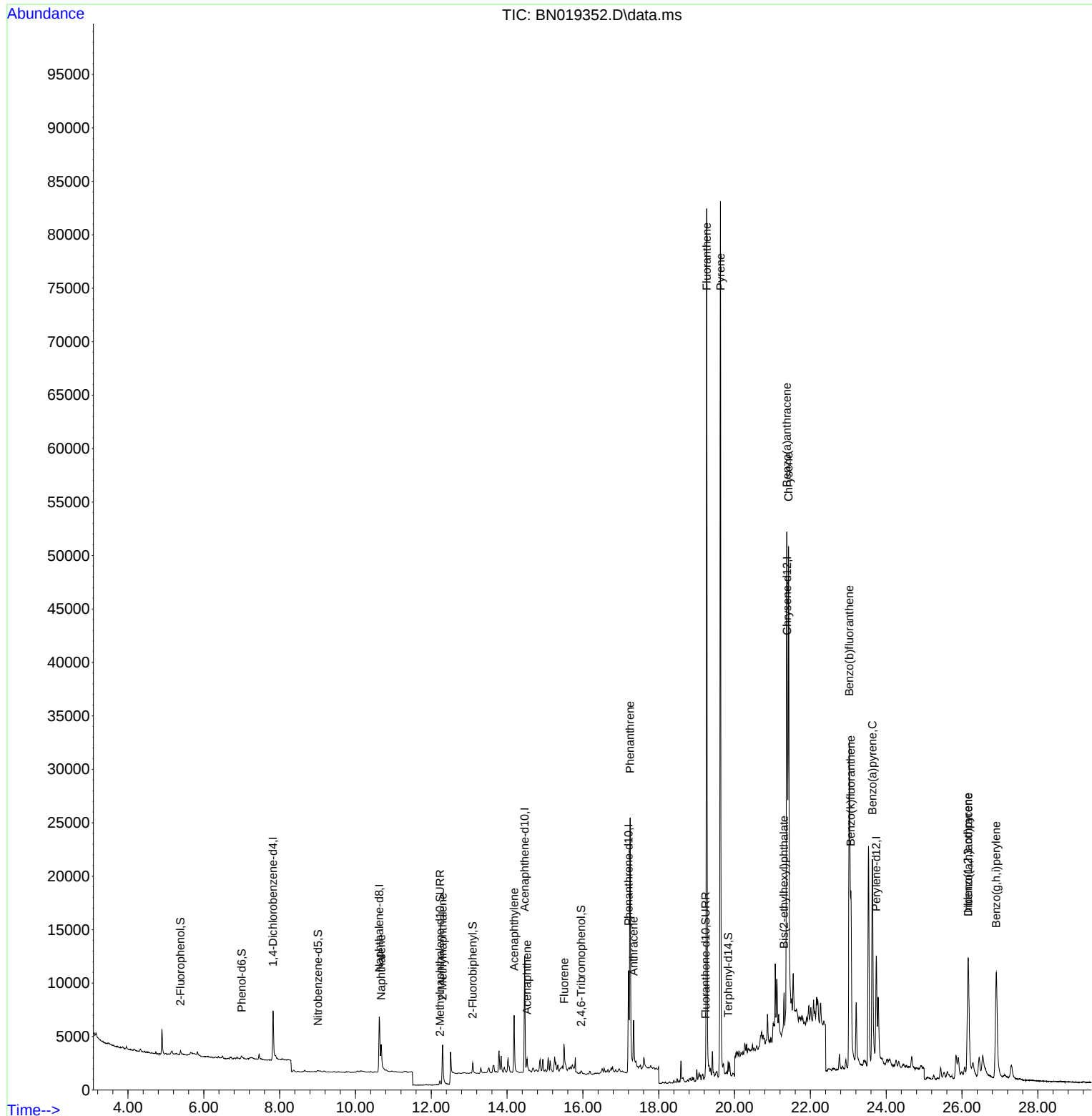
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040522\
Data File : BN019352.D
Acq On : 05 Apr 2022 16:28
Operator : CG/JU
Sample : N2220-01 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

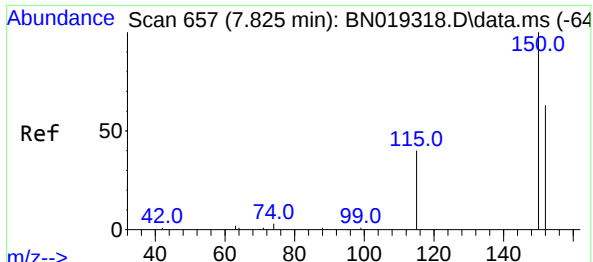
Instrument :
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ClientSampleId :
A10015

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Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022

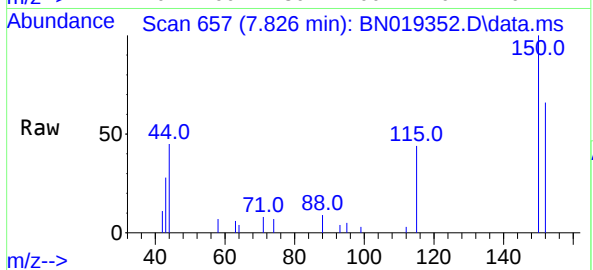
Quant Time: Apr 06 02:31:35 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN040422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 04 17:40:00 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.826 min Scan# 61
Delta R.T. 0.001 min
Lab File: BN019352.D
Acq: 05 Apr 2022 16:28

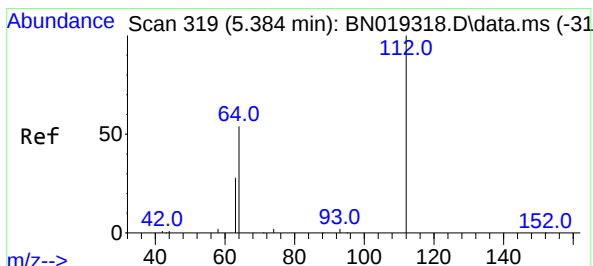
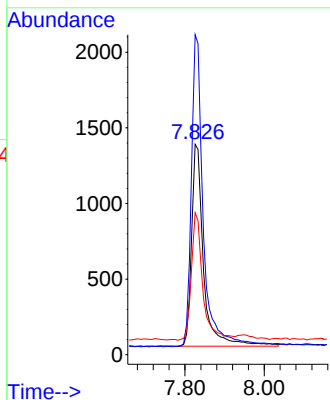
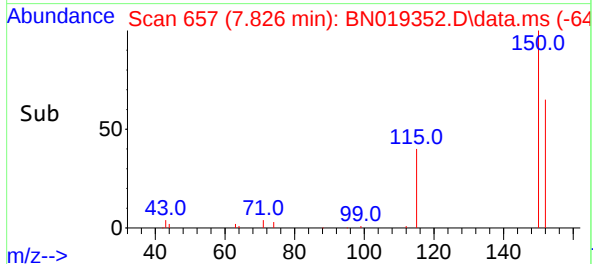
Instrument :
BNA_N
ClientSampleId :
A10015



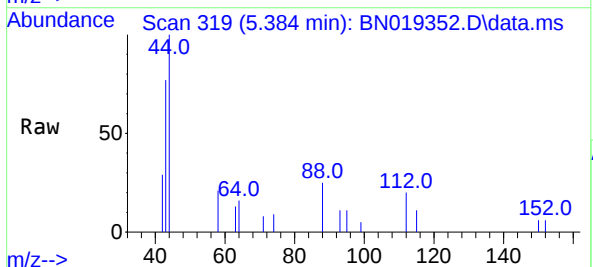
Tgt Ion:152 Resp: 2824
Ion Ratio Lower Upper
152 100
150 152.1 123.9 185.9
115 67.5 48.2 72.4

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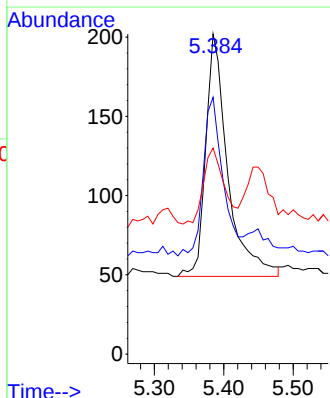
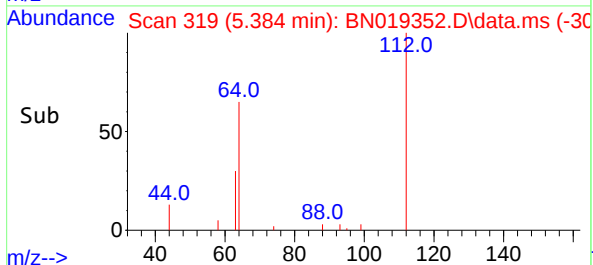
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#4
2-Fluorophenol
Concen: 0.045 ng
RT: 5.384 min Scan# 319
Delta R.T. 0.000 min
Lab File: BN019352.D
Acq: 05 Apr 2022 16:28



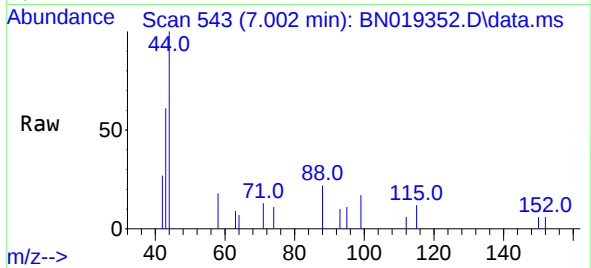
Tgt Ion:112 Resp: 338
Ion Ratio Lower Upper
112 100
64 58.9 47.8 71.8
63 29.3 25.7 38.5





#5
Phenol-d6
Concen: 0.033 ng
RT: 7.002 min Scan# 541
Delta R.T. 0.015 min
Lab File: BN019352.D
Acq: 05 Apr 2022 16:28

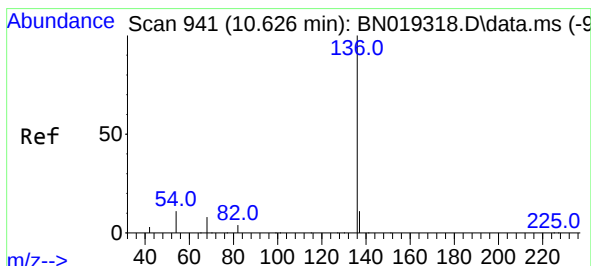
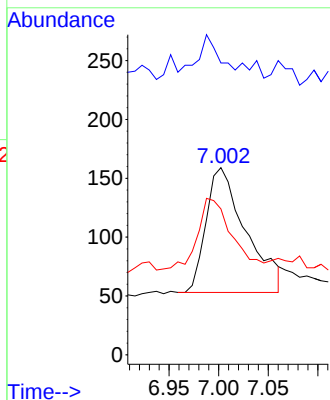
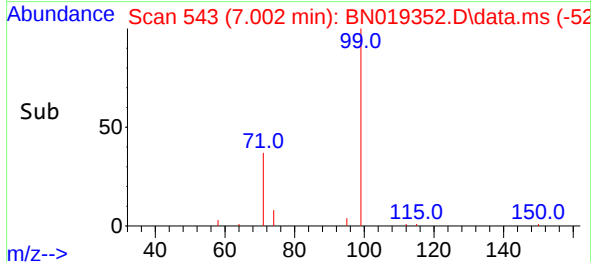
Instrument :
BNA_N
ClientSampleId :
A10015



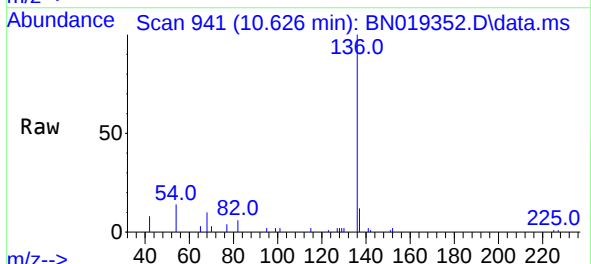
Tgt Ion: 99 Resp: 290
Ion Ratio Lower Upper
99 100
42 11.5 16.2 24.4#
71 48.3 27.7 41.5#

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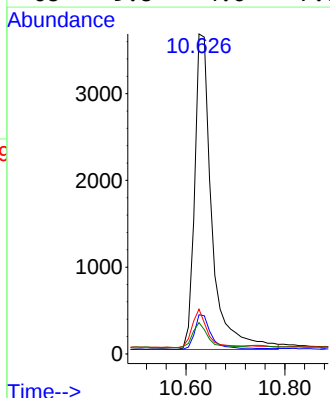
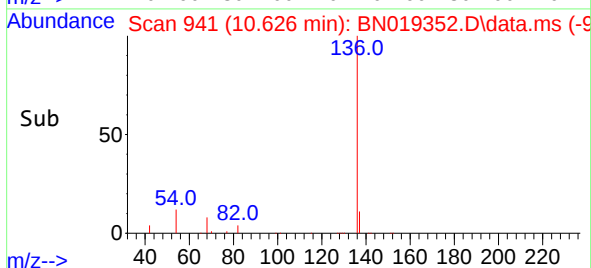
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN019352.D
Acq: 05 Apr 2022 16:28



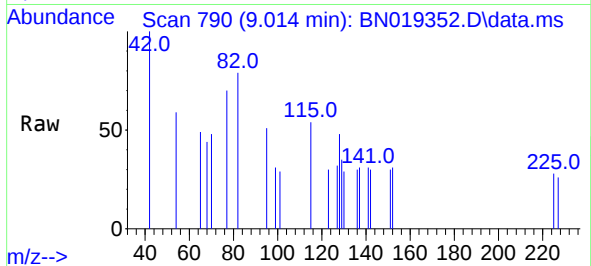
Tgt Ion:136 Resp: 8818
Ion Ratio Lower Upper
136 100
137 12.2 9.0 13.4
54 14.0 5.8 8.6#
68 9.8 4.6 7.0#





#8
Nitrobenzene-d5
Concen: 0.033 ng
RT: 9.014 min Scan# 790
Delta R.T. 0.032 min
Lab File: BN019352.D
Acq: 05 Apr 2022 16:28

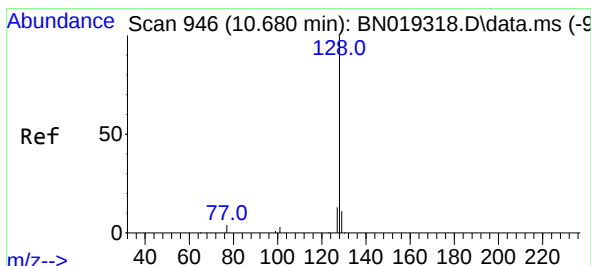
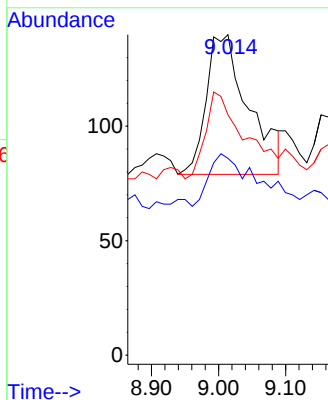
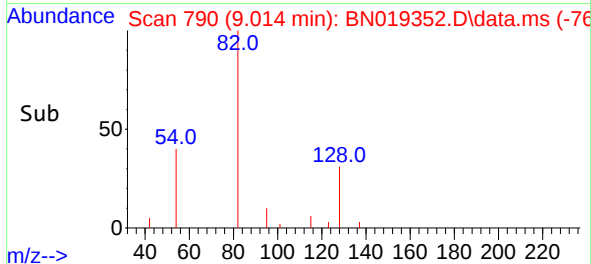
Instrument :
BNA_N
ClientSampleId :
A10015



Tgt Ion: 82 Resp: 265
Ion Ratio Lower Upper
82 100
128 61.4 33.0 49.6
54 75.0 42.5 63.7

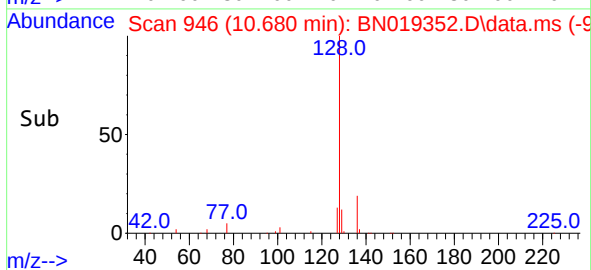
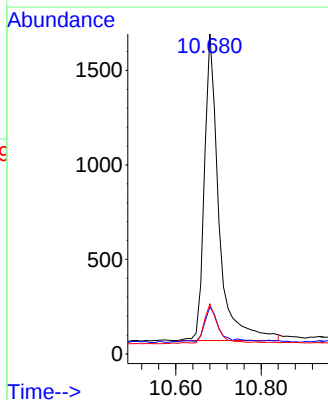
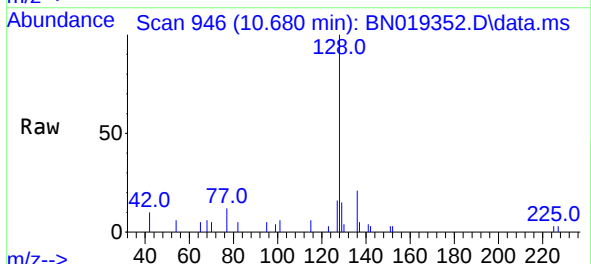
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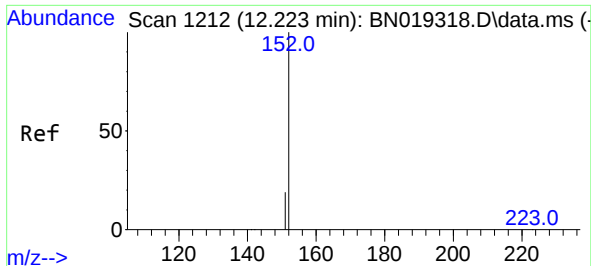
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#9
Naphthalene
Concen: 0.147 ng
RT: 10.680 min Scan# 946
Delta R.T. 0.000 min
Lab File: BN019352.D
Acq: 05 Apr 2022 16:28

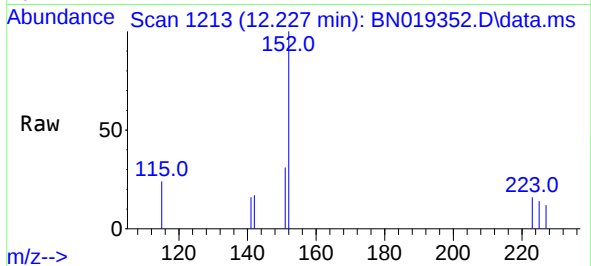
Tgt Ion:128 Resp: 3822
Ion Ratio Lower Upper
128 100
129 14.7 9.0 13.4
127 15.6 10.7 16.1





#11
2-Methylnaphthalene-d10
Concen: 0.044 ng
RT: 12.227 min Scan# 11
Delta R.T. 0.004 min
Lab File: BN019352.D
Acq: 05 Apr 2022 16:28

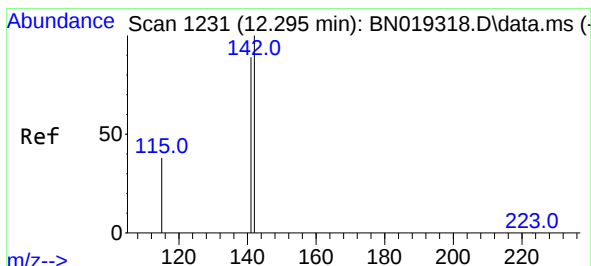
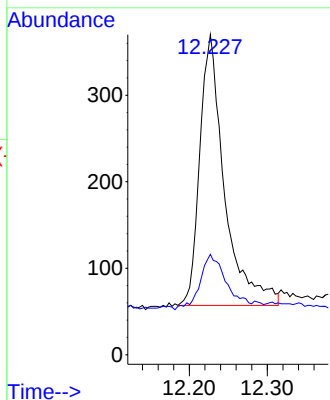
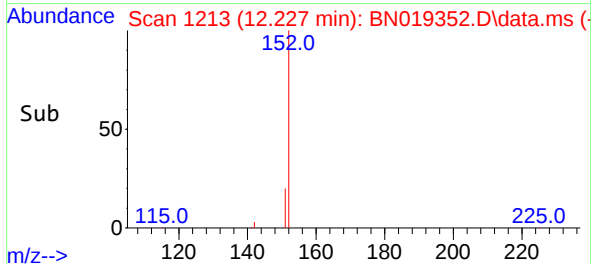
Instrument :
BNA_N
ClientSampleId :
A10015



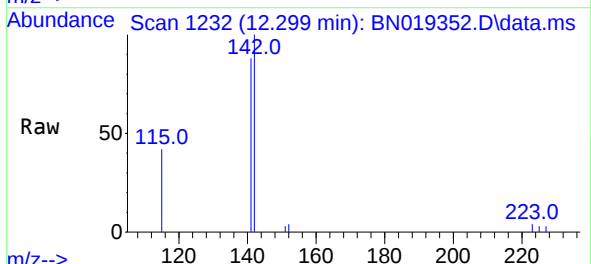
Tgt Ion:152 Resp: 689
Ion Ratio Lower Upper
152 100
151 22.1 16.5 24.7

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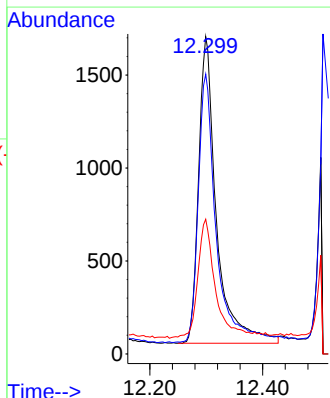
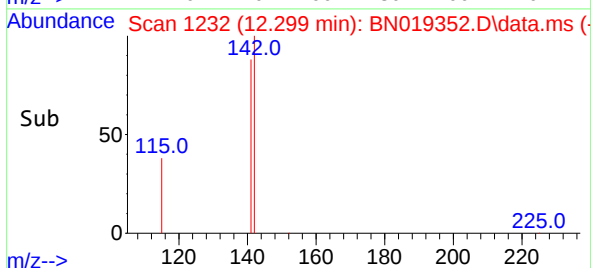
Reviewed By :Christian Giraldo 04/06/2022
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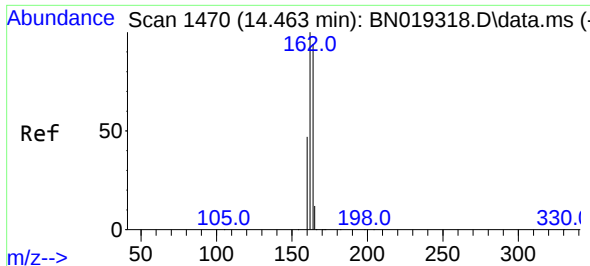


#12
2-Methylnaphthalene
Concen: 0.201 ng
RT: 12.299 min Scan# 1232
Delta R.T. 0.004 min
Lab File: BN019352.D
Acq: 05 Apr 2022 16:28



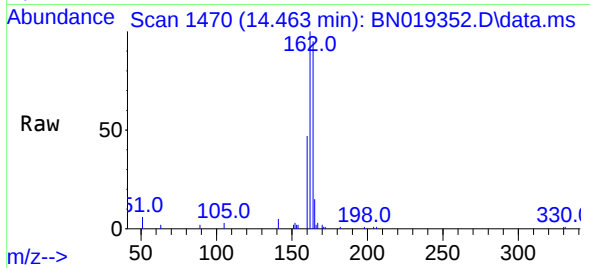
Tgt Ion:142 Resp: 3629
Ion Ratio Lower Upper
142 100
141 88.2 70.0 105.0
115 42.4 29.8 44.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.463 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BN019352.D
Acq: 05 Apr 2022 16:28

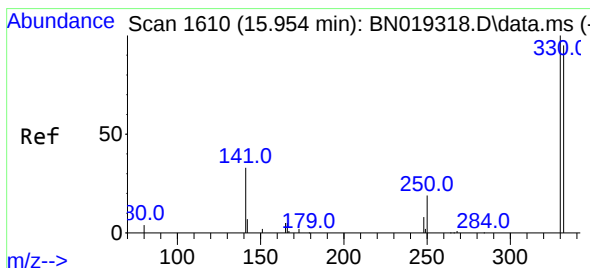
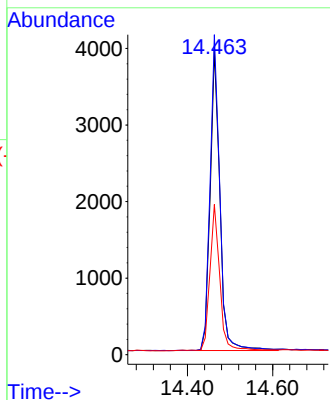
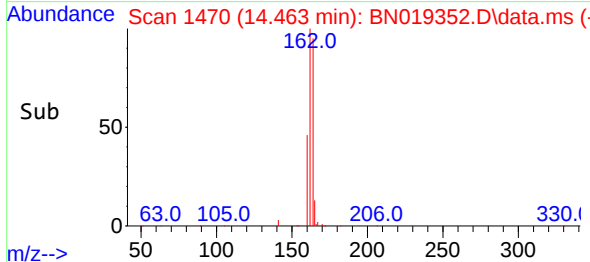
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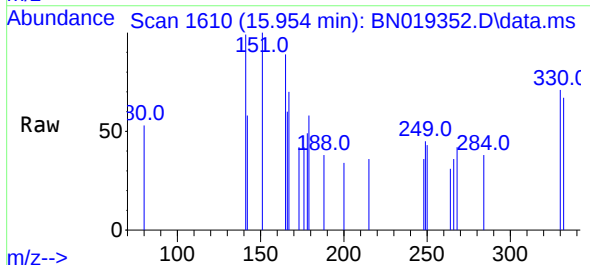
Tgt Ion:164 Resp: 624.5
Ion Ratio Lower Upper
164 100
162 105.4 85.2 127.8
160 49.5 41.5 62.3

Manual Integrations
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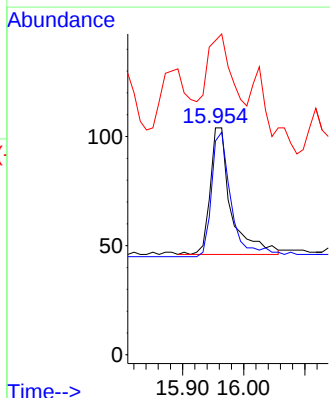
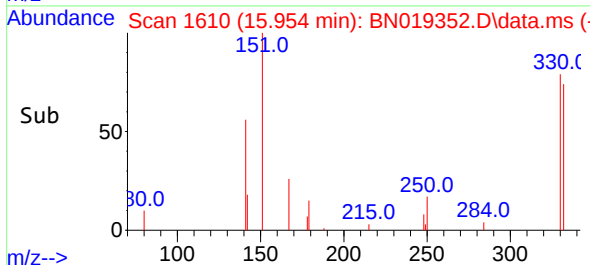
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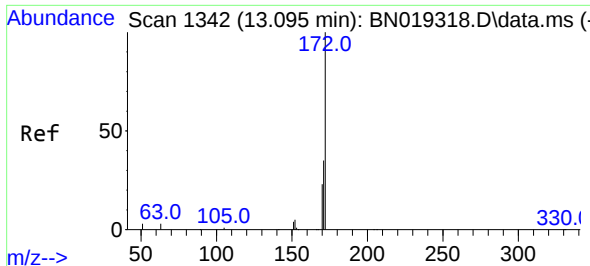


#14
2,4,6-Tribromophenol
Concen: 0.036 ng
RT: 15.954 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BN019352.D
Acq: 05 Apr 2022 16:28



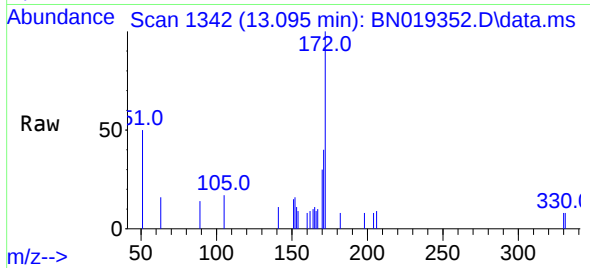
Tgt Ion:330 Resp: 137
Ion Ratio Lower Upper
330 100
332 92.7 76.8 115.2
141 65.7 32.2 48.2#





#15
2-Fluorobiphenyl
Concen: 0.039 ng
RT: 13.095 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BN019352.D
Acq: 05 Apr 2022 16:28

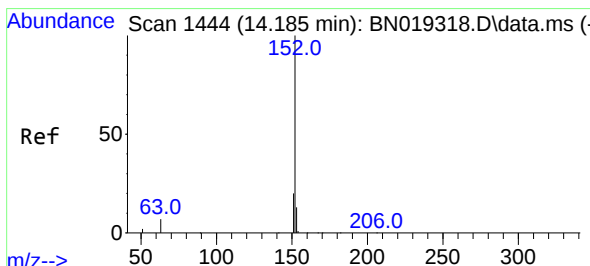
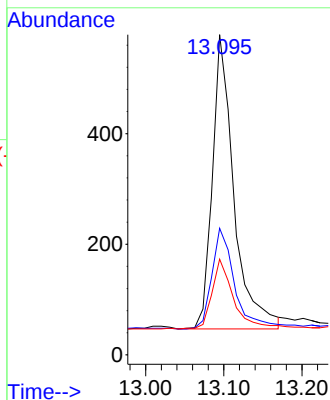
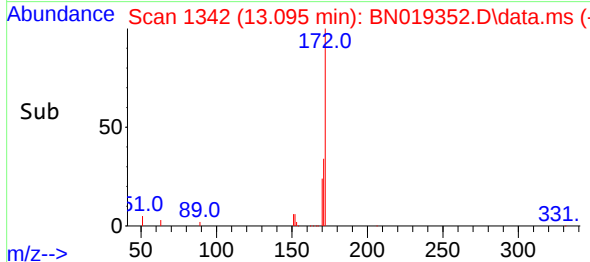
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Tgt Ion:	172	Resp:	1018
Ion	Ratio	Lower	Upper
172	100		
171	39.6	28.2	42.2
170	29.9	18.7	28.1

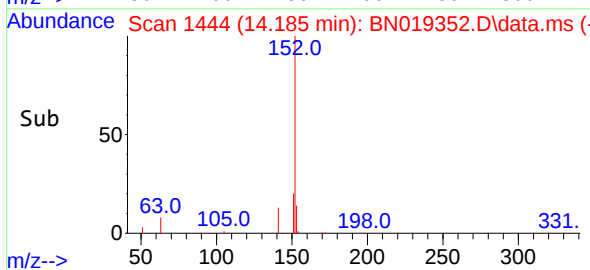
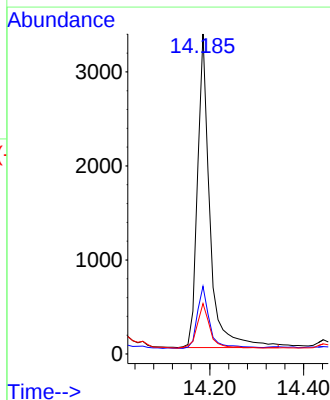
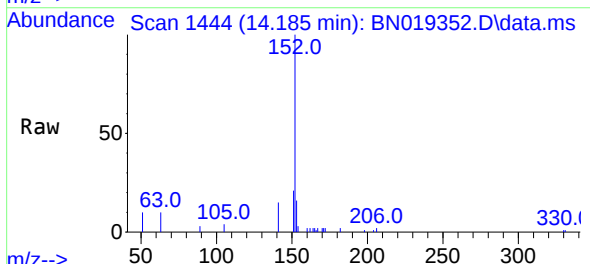
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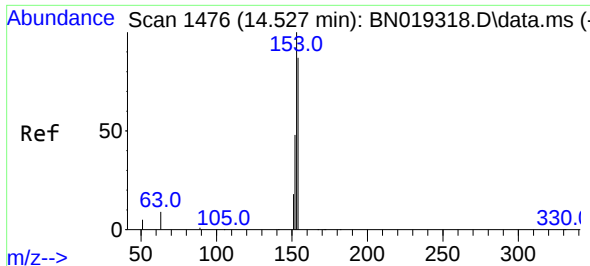
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#16
Acenaphthylene
Concen: 0.197 ng
RT: 14.185 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN019352.D
Acq: 05 Apr 2022 16:28

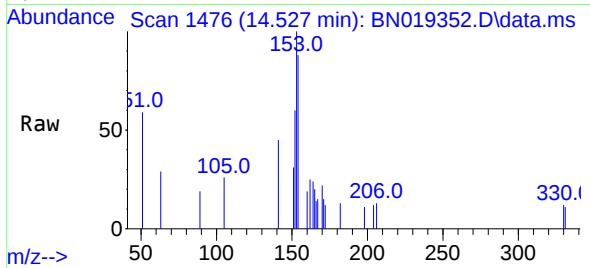
Tgt Ion:	152	Resp:	6106
Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.9	23.9
153	14.7	10.6	15.8





#17
Acenaphthene
Concen: 0.024 ng
RT: 14.527 min Scan# 1476
Delta R.T. 0.000 min
Lab File: BN019352.D
Acq: 05 Apr 2022 16:28

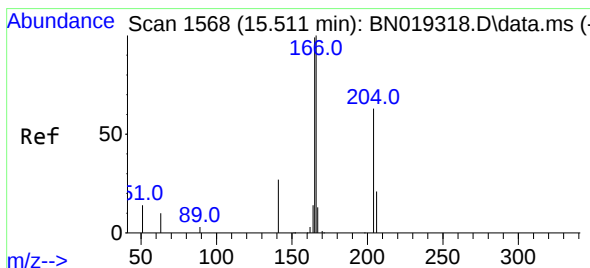
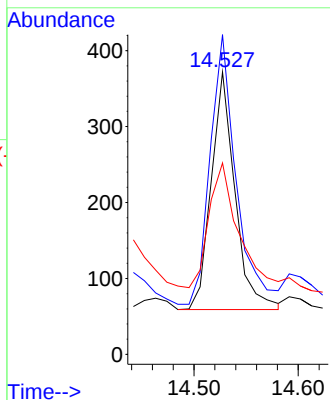
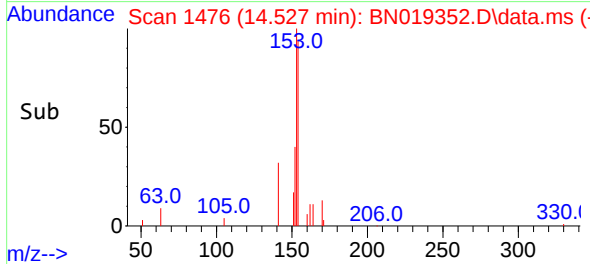
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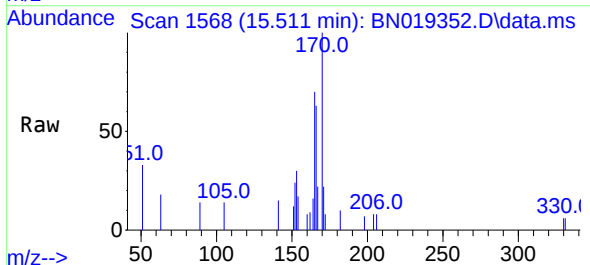
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Ion Ratio Lower Upper
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153 123.6 89.7 134.5
152 81.3 44.7 67.1

Manual Integrations
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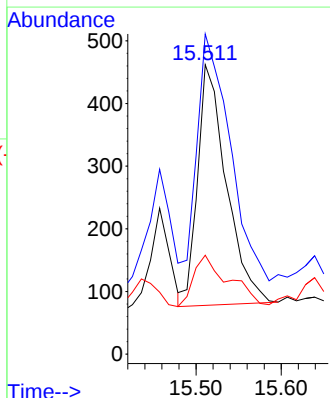
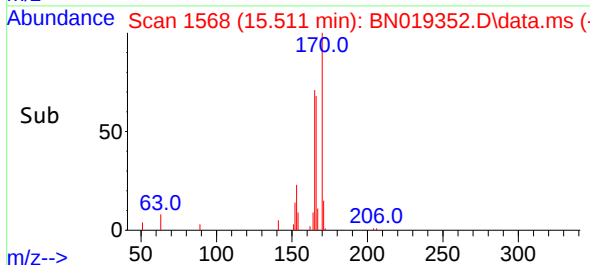
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022

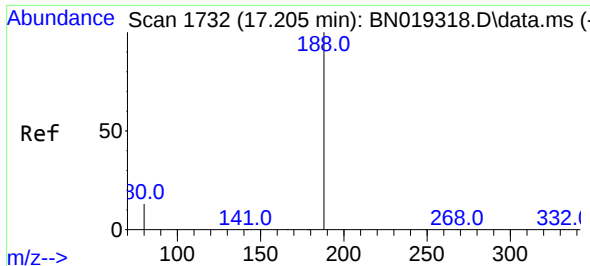


#18
Fluorene
Concen: 0.033 ng
RT: 15.511 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BN019352.D
Acq: 05 Apr 2022 16:28



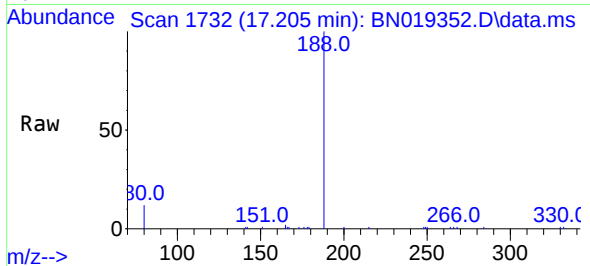
Tgt Ion:166 Resp: 901
Ion Ratio Lower Upper
166 100
165 115.0 79.2 118.8
167 26.2 10.7 16.1





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.205 min Scan# 1732
Delta R.T. 0.000 min
Lab File: BN019352.D
Acq: 05 Apr 2022 16:28

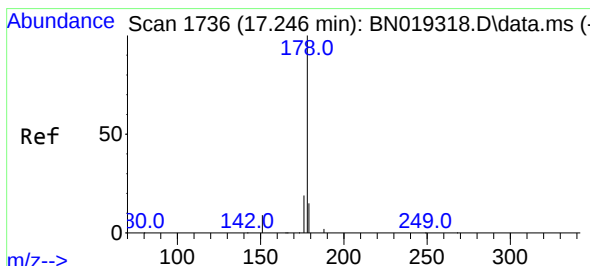
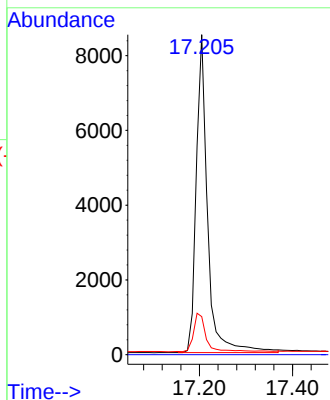
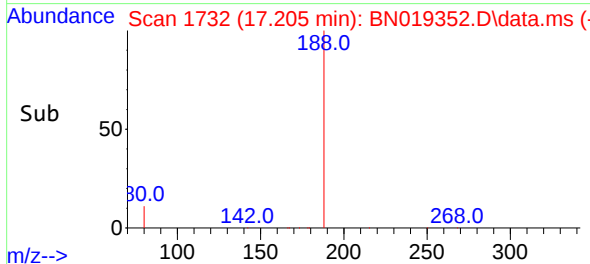
Instrument :
BNA_N
ClientSampleId :
A10015



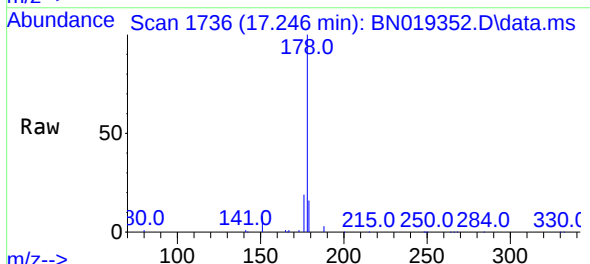
Tgt Ion:188 Resp: 1443
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.9 11.8 17.8

Manual Integrations
APPROVED

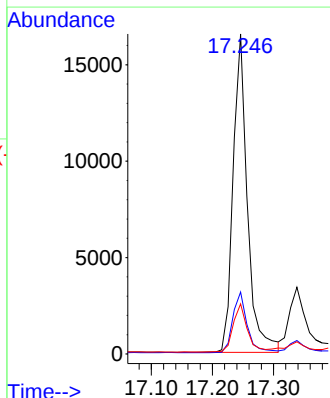
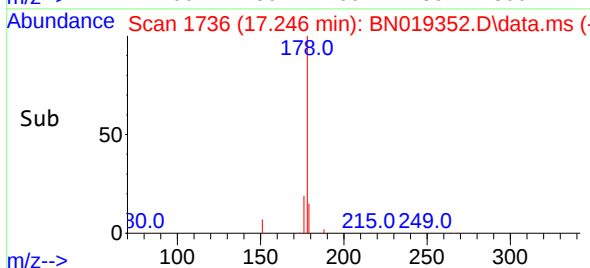
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022

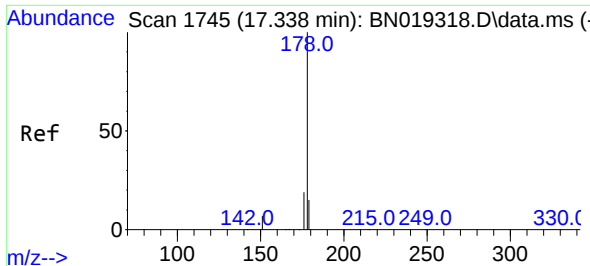


#25
Phenanthrene
Concen: 0.557 ng
RT: 17.246 min Scan# 1736
Delta R.T. 0.000 min
Lab File: BN019352.D
Acq: 05 Apr 2022 16:28



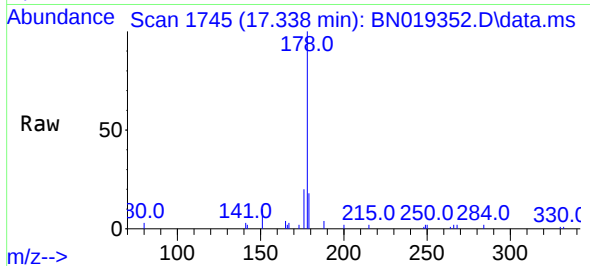
Tgt Ion:178 Resp: 26981
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.0 12.2 18.2





#26
 Anthracene
 Concen: 0.146 ng
 RT: 17.338 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN019352.D
 Acq: 05 Apr 2022 16:28

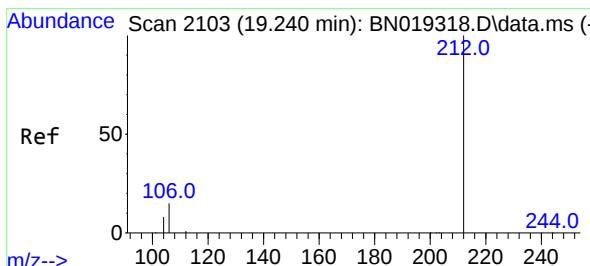
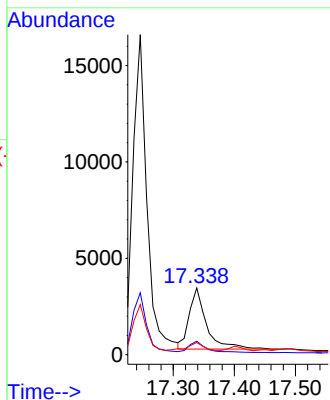
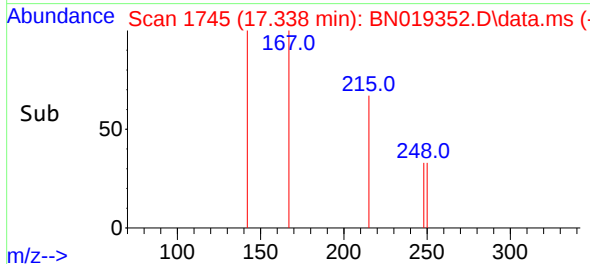
Instrument :
 BNA_N
 ClientSampleId :
 A10015



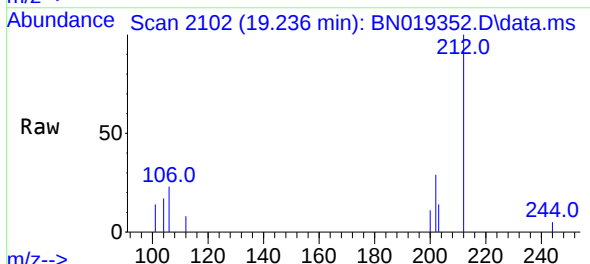
Tgt Ion:178 Resp: 623
 Ion Ratio Lower Upper
 178 100
 176 18.9 14.8 22.2
 179 11.2 12.2 18.4

Manual Integrations
 APPROVED

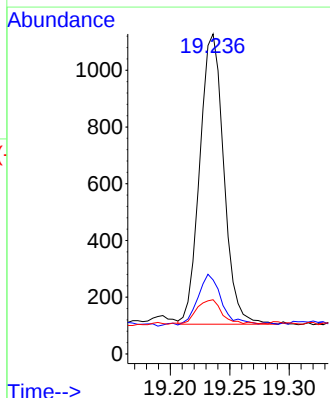
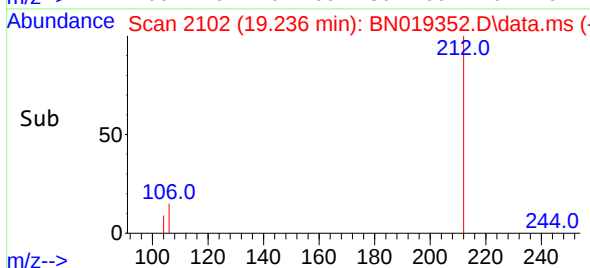
Reviewed By :Christian Giraldo 04/06/2022
 Supervised By :Jagrut Upadhyay 04/07/2022

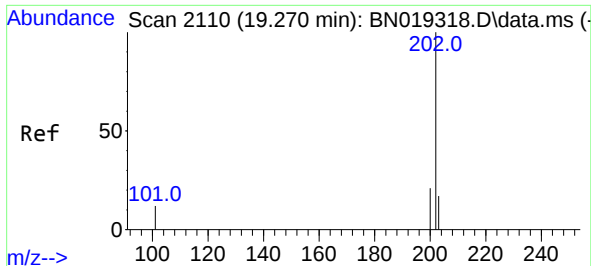


#27
 Fluoranthene-d10
 Concen: 0.031 ng
 RT: 19.236 min Scan# 2102
 Delta R.T. -0.004 min
 Lab File: BN019352.D
 Acq: 05 Apr 2022 16:28



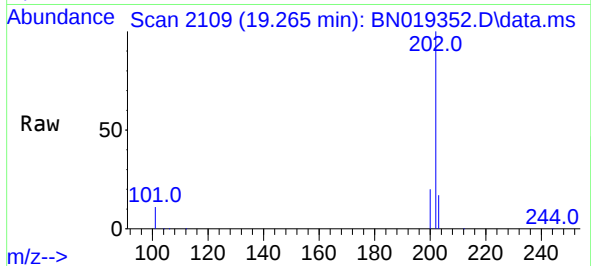
Tgt Ion:212 Resp: 1436
 Ion Ratio Lower Upper
 212 100
 106 18.7 12.7 19.1
 104 10.7 7.1 10.7





#28
Fluoranthene
Concen: 1.350 ng
RT: 19.265 min Scan# 2110
Delta R.T. -0.004 min
Lab File: BN019352.D
Acq: 05 Apr 2022 16:28

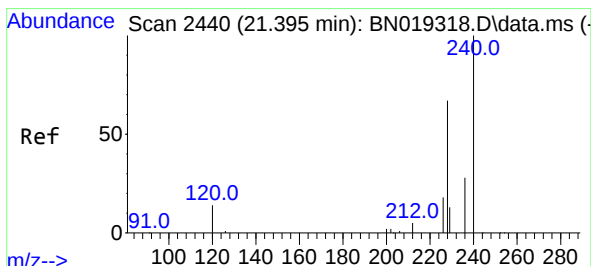
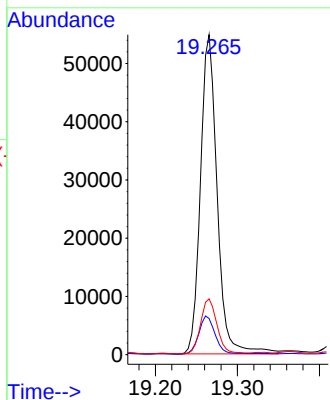
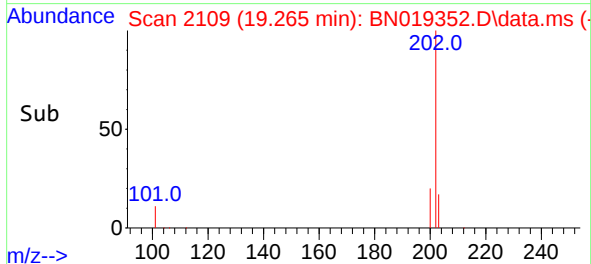
Instrument :
BNA_N
ClientSampleId :
A10015



Tgt Ion:202 Resp: 7753
Ion Ratio Lower Upper
202 100
101 11.8 9.8 14.6
203 17.0 13.7 20.5

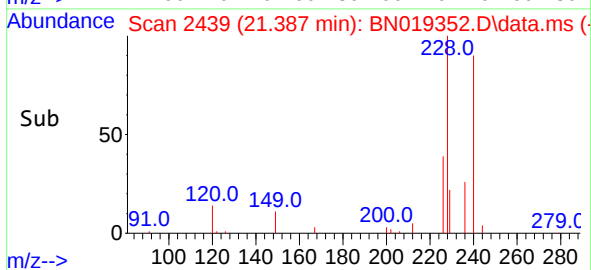
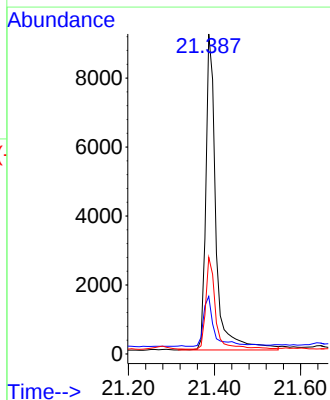
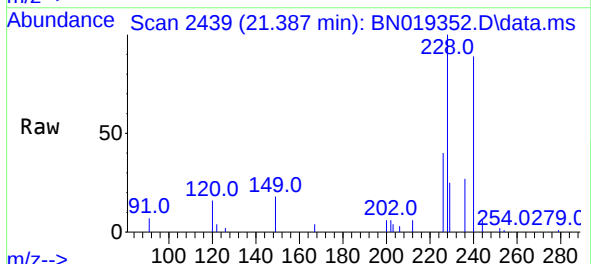
Manual Integrations
APPROVED

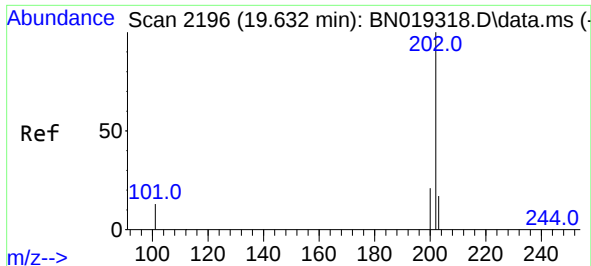
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.387 min Scan# 2439
Delta R.T. -0.009 min
Lab File: BN019352.D
Acq: 05 Apr 2022 16:28

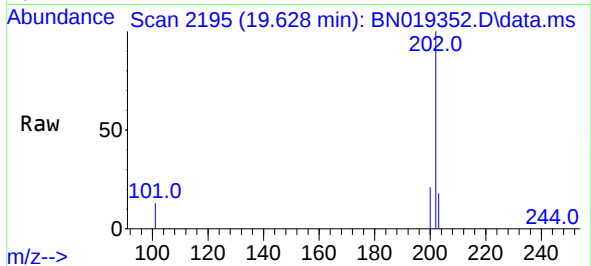
Tgt Ion:240 Resp: 14987
Ion Ratio Lower Upper
240 100
120 18.0 8.5 12.7#
236 30.2 22.4 33.6





#30
Pyrene
Concen: 1.074 ng
RT: 19.628 min Scan# 2195
Delta R.T. -0.004 min
Lab File: BN019352.D
Acq: 05 Apr 2022 16:28

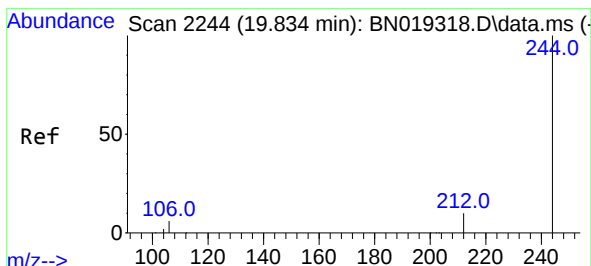
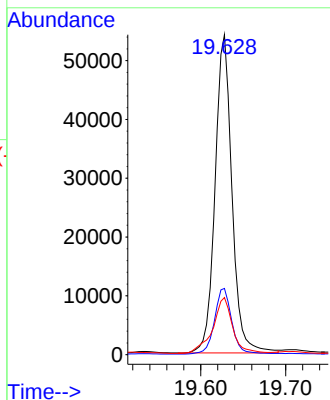
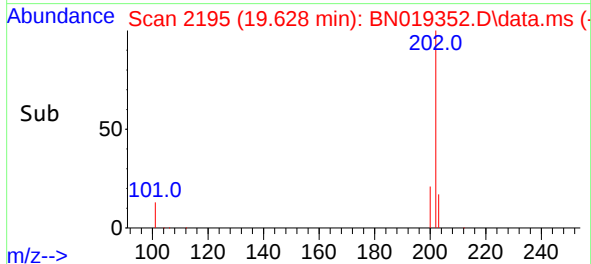
Instrument :
BNA_N
ClientSampleId :
A10015



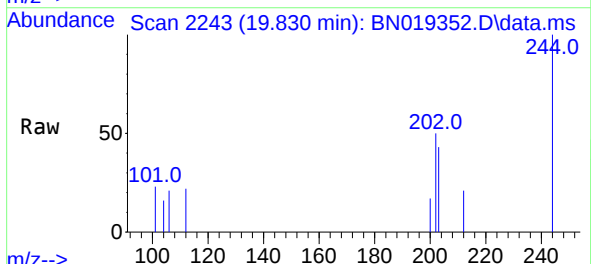
Tgt Ion:202 Resp: 7489
Ion Ratio Lower Upper
202 100
200 21.4 16.9 25.3
203 20.6 14.2 21.2

Manual Integrations
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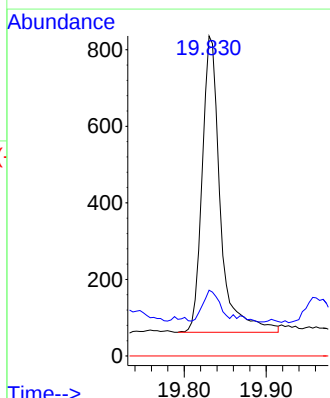
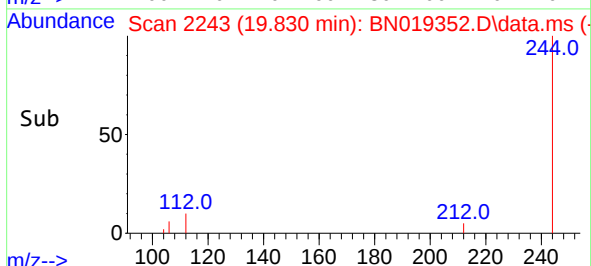
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022

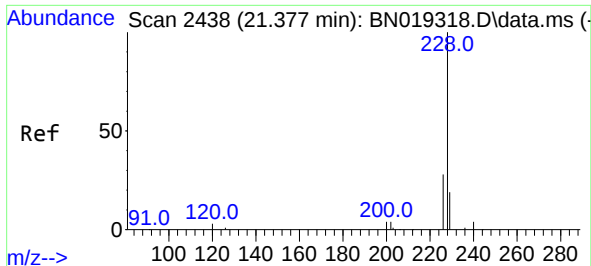


#31
Terphenyl-d14
Concen: 0.036 ng
RT: 19.830 min Scan# 2243
Delta R.T. -0.004 min
Lab File: BN019352.D
Acq: 05 Apr 2022 16:28



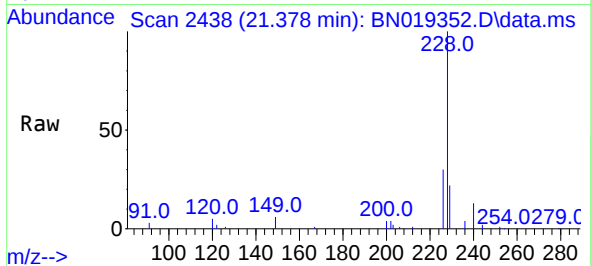
Tgt Ion:244 Resp: 1187
Ion Ratio Lower Upper
244 100
212 20.6 8.2 12.4#
122 0.0 0.0 0.0





#32
Benzo(a)anthracene
Concen: 0.713 ng
RT: 21.378 min Scan# 2438
Delta R.T. 0.000 min
Lab File: BN019352.D
Acq: 05 Apr 2022 16:28

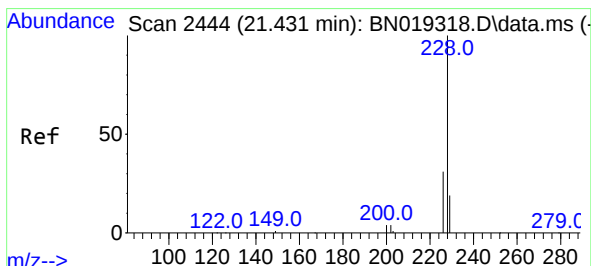
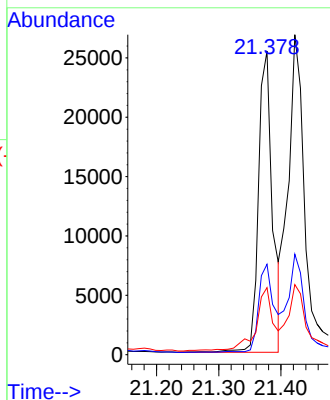
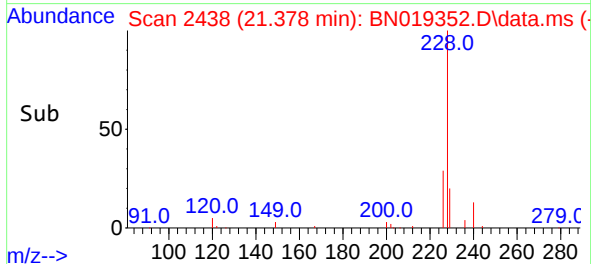
Instrument :
BNA_N
ClientSampleId :
A10015



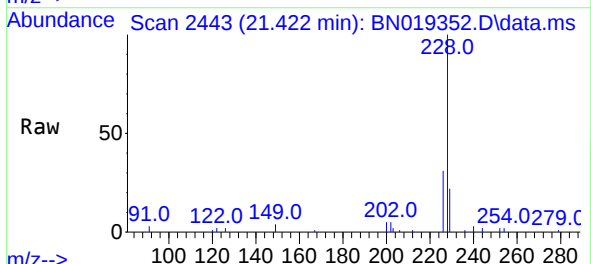
Tgt Ion:228 Resp: 3948
Ion Ratio Lower Upper
228 100
226 29.8 21.9 32.9
229 22.1 16.0 24.0

Manual Integrations
APPROVED

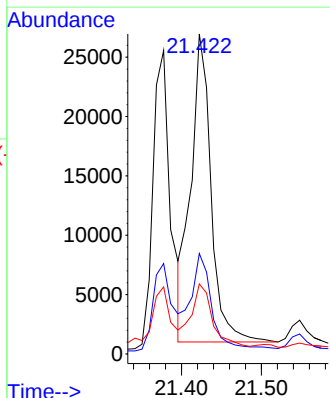
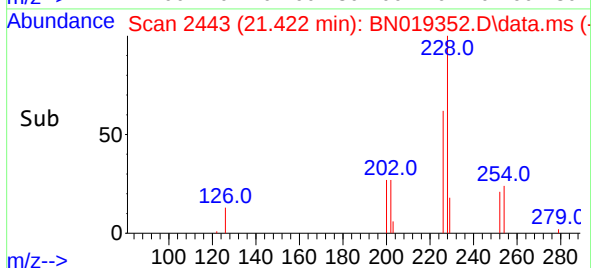
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022

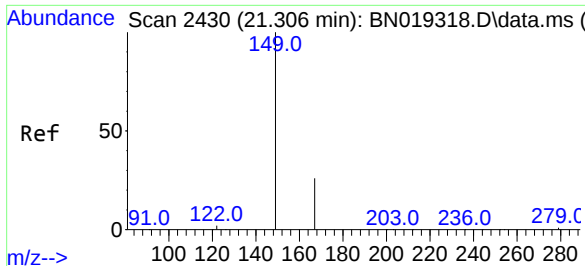


#33
Chrysene
Concen: 0.745 ng
RT: 21.422 min Scan# 2443
Delta R.T. -0.009 min
Lab File: BN019352.D
Acq: 05 Apr 2022 16:28



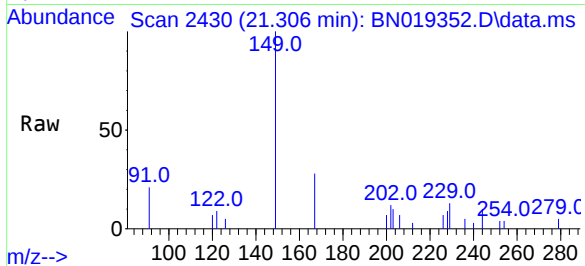
Tgt Ion:228 Resp: 45826
Ion Ratio Lower Upper
228 100
226 31.4 24.0 36.0
229 21.9 15.9 23.9





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.084 ng
RT: 21.306 min Scan# 2430
Delta R.T. 0.000 min
Lab File: BN019352.D
Acq: 05 Apr 2022 16:28

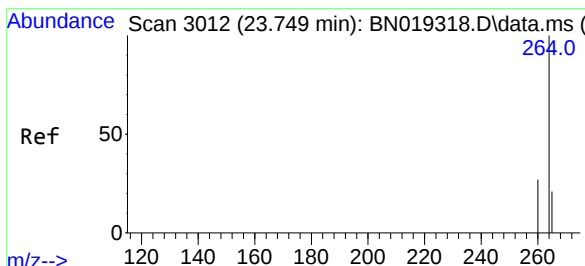
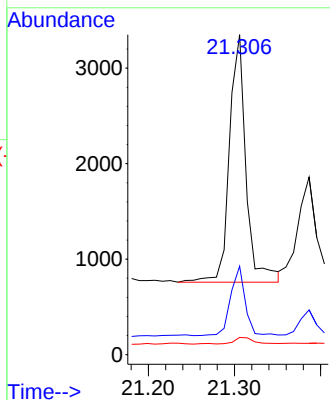
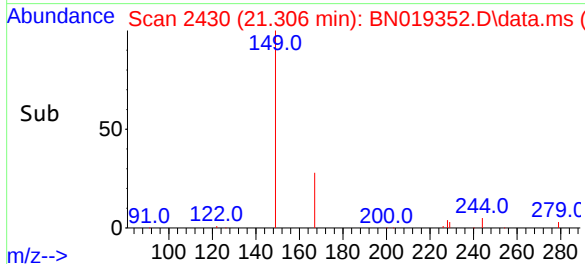
Instrument :
BNA_N
ClientSampleId :
A10015



Tgt Ion:149 Resp: 3470
Ion Ratio Lower Upper
149 100
167 24.6 21.8 32.8
279 3.3 2.0 3.0

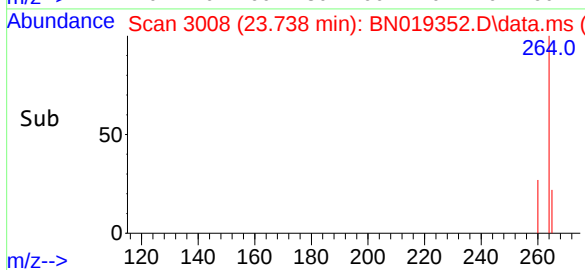
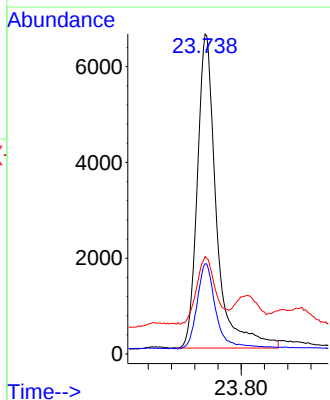
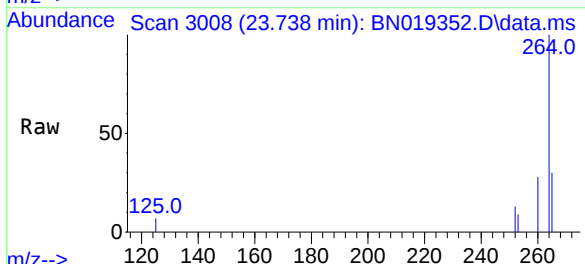
Manual Integrations
APPROVED

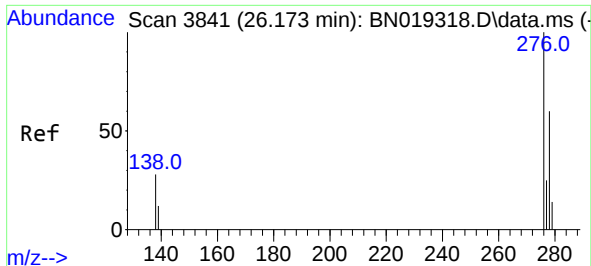
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.738 min Scan# 3008
Delta R.T. -0.012 min
Lab File: BN019352.D
Acq: 05 Apr 2022 16:28

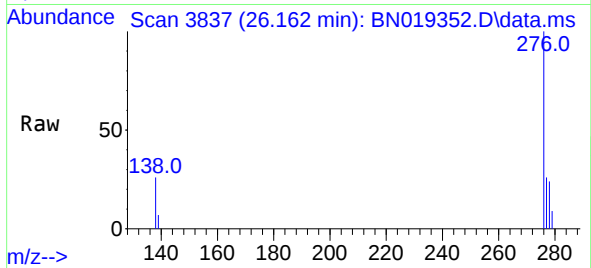
Tgt Ion:264 Resp: 14990
Ion Ratio Lower Upper
264 100
260 28.2 22.4 33.6
265 30.5 25.3 37.9





#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.340 ng
 RT: 26.162 min Scan# 3841
 Delta R.T. -0.012 min
 Lab File: BN019352.D
 Acq: 05 Apr 2022 16:28

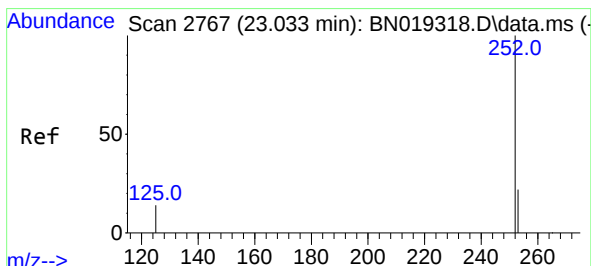
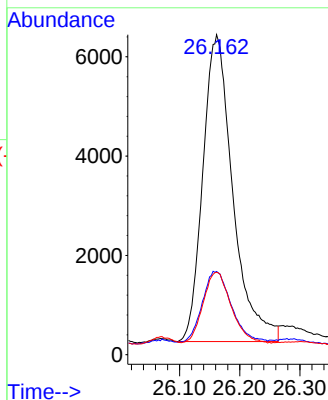
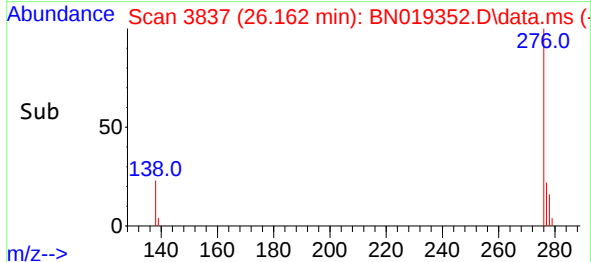
Instrument :
 BNA_N
 ClientSampleId :
 A10015



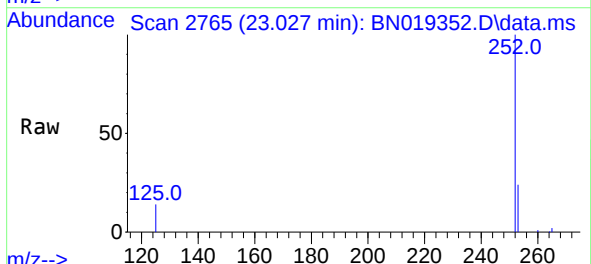
Tgt Ion: 276 Resp: 21358
 Ion Ratio Lower Upper
 276 100
 138 22.4 24.5 36.7
 277 21.6 19.8 29.8

Manual Integrations
 APPROVED

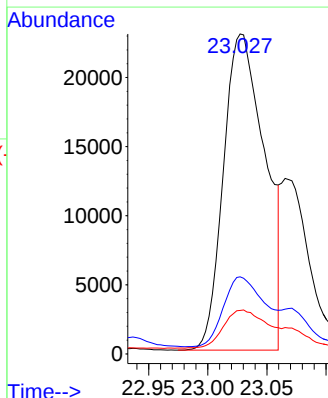
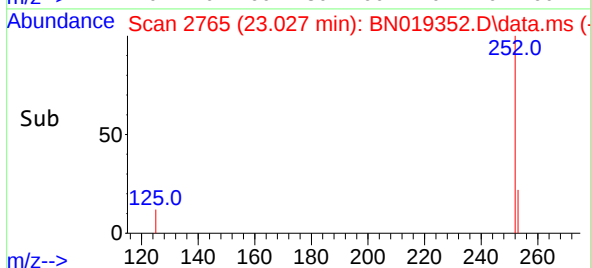
Reviewed By : Christian Giraldo 04/06/2022
 Supervised By : Jagrut Upadhyay 04/07/2022

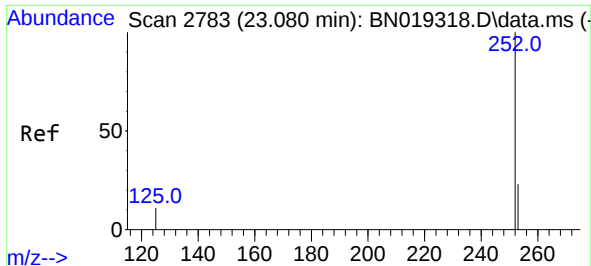


#37
 Benzo(b)fluoranthene
 Concen: 0.951 ng
 RT: 23.027 min Scan# 2765
 Delta R.T. -0.006 min
 Lab File: BN019352.D
 Acq: 05 Apr 2022 16:28



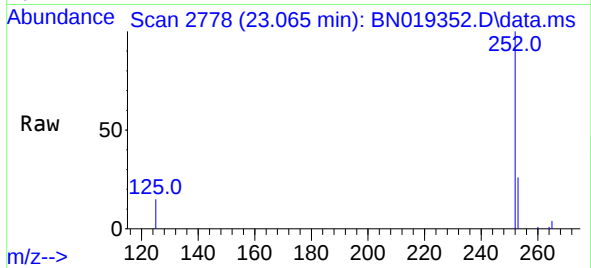
Tgt Ion: 252 Resp: 55881
 Ion Ratio Lower Upper
 252 100
 253 24.1 18.9 28.3
 125 13.6 12.1 18.1





#38
Benzo(k)fluoranthene
Concen: 0.331 ng m
RT: 23.065 min Scan# 21
Delta R.T. -0.015 min
Lab File: BN019352.D
Acq: 05 Apr 2022 16:28

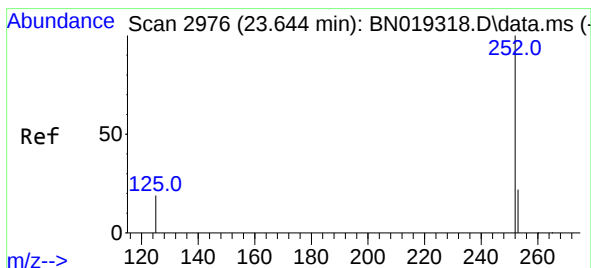
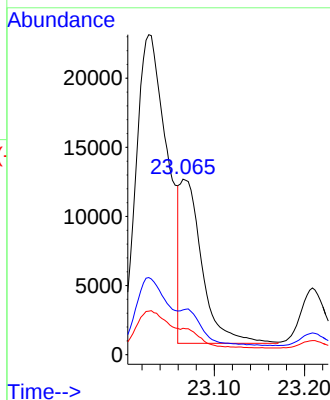
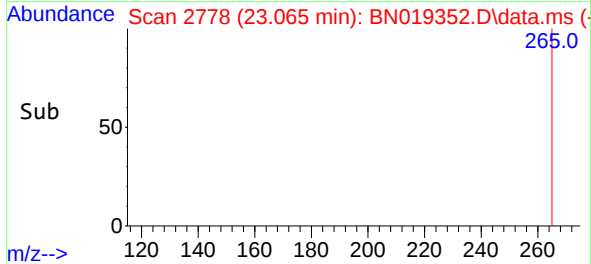
Instrument :
BNA_N
ClientSampleId :
A10015



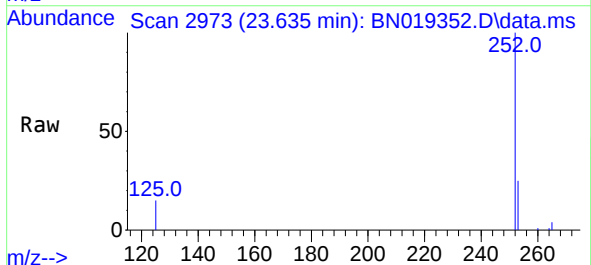
Tgt Ion:252 Resp: 20308
Ion Ratio Lower Upper
252 100
253 25.6 18.9 28.3
125 15.0 10.3 15.5

Manual Integrations
APPROVED

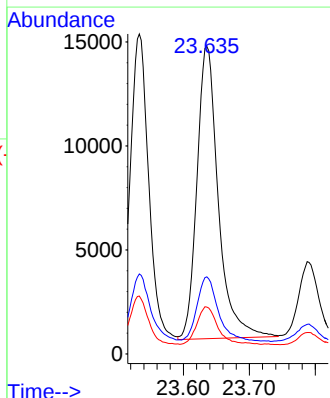
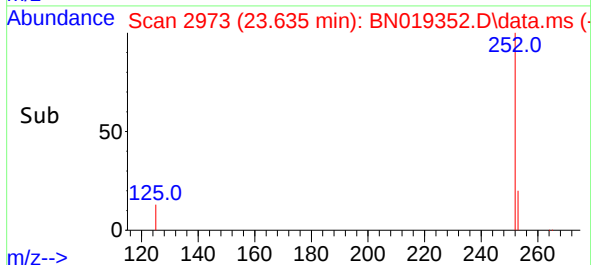
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022

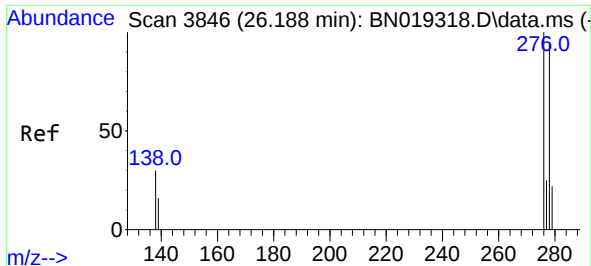


#39
Benzo(a)pyrene
Concen: 0.602 ng
RT: 23.635 min Scan# 2973
Delta R.T. -0.009 min
Lab File: BN019352.D
Acq: 05 Apr 2022 16:28



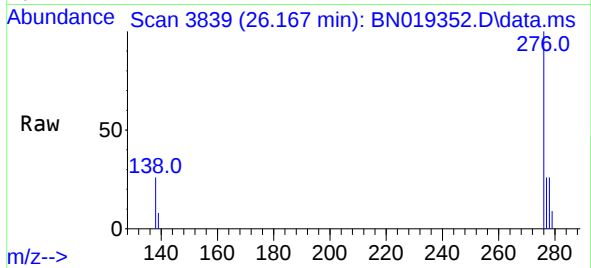
Tgt Ion:252 Resp: 31761
Ion Ratio Lower Upper
252 100
253 25.1 20.1 30.1
125 15.3 15.2 22.8





#40
Dibenzo(a,h)anthracene
Concen: 0.101 ng
RT: 26.167 min Scan# 3839
Delta R.T. -0.020 min
Lab File: BN019352.D
Acq: 05 Apr 2022 16:28

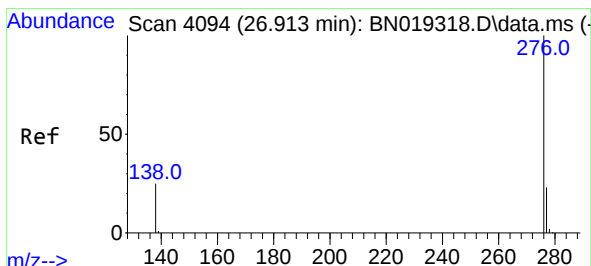
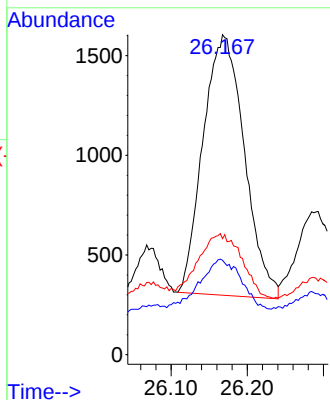
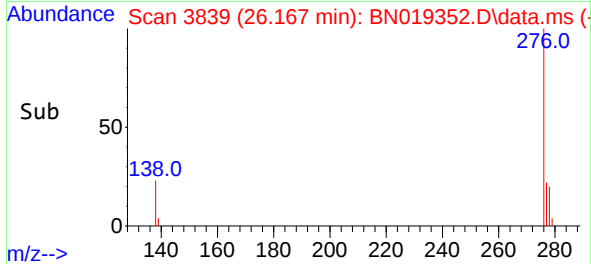
Instrument :
BNA_N
ClientSampleId :
A10015



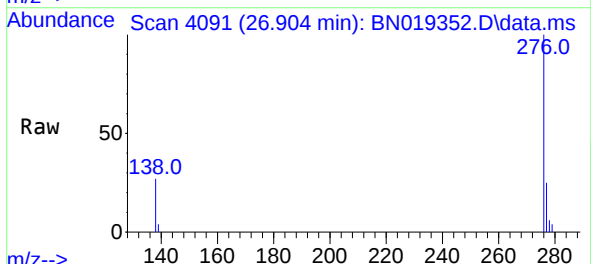
Tgt Ion:278 Resp: 4910
Ion Ratio Lower Upper
278 100
139 29.5 17.2 25.8
279 36.3 19.9 29.9

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#41
Benzo(g,h,i)perylene
Concen: 0.403 ng
RT: 26.904 min Scan# 4091
Delta R.T. -0.009 min
Lab File: BN019352.D
Acq: 05 Apr 2022 16:28



Tgt Ion:276 Resp: 23415
Ion Ratio Lower Upper
276 100
277 25.0 19.4 29.0
138 26.5 21.0 31.6

