

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040522\
 Data File : BN019357.D
 Acq On : 05 Apr 2022 19:29
 Operator : CG/JU
 Sample : N2220-03 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A11015

Manual Integrations
 APPROVED

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

Quant Time: Apr 06 02:31:58 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	2656	0.400	ng	0.00
7) Naphthalene-d8	10.626	136	8911	0.400	ng	# 0.00
13) Acenaphthene-d10	14.463	164	6554	0.400	ng	0.00
19) Phenanthrene-d10	17.205	188	15024	0.400	ng	# 0.00
29) Chrysene-d12	21.387	240	14801	0.400	ng	# 0.00
35) Perylene-d12	23.738	264	14208	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	253	0.036	ng	0.00
5) Phenol-d6	7.009	99	235	0.027	ng	0.02
8) Nitrobenzene-d5	8.993	82	236	0.029	ng	0.01
11) 2-Methylnaphthalene-d10	12.223	152	680	0.043	ng	0.00
14) 2,4,6-Tribromophenol	15.954	330	182	0.046	ng	0.00
15) 2-Fluorobiphenyl	13.095	172	986	0.036	ng	0.00
27) Fluoranthene-d10	19.236	212	1994	0.041	ng	0.00
31) Terphenyl-d14	19.830	244	1363	0.042	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.680	128	10004	0.380	ng	98
12) 2-Methylnaphthalene	12.295	142	12514	0.686	ng	98
16) Acenaphthylene	14.185	152	17129	0.527	ng	# 96
17) Acenaphthene	14.527	154	1261	0.058	ng	# 83
18) Fluorene	15.511	166	2783	0.097	ng	# 71
25) Phenanthrene	17.246	178	80495	1.597	ng	99
26) Anthracene	17.338	178	20224	0.456	ng	98
28) Fluoranthene	19.265	202	179407	3.001	ng	99
30) Pyrene	19.628	202	158063	2.295	ng	97
32) Benzo(a)anthracene	21.369	228	67558	1.235	ng	95
33) Chrysene	21.422	228	86290	1.420	ng	96
34) Bis(2-ethylhexyl)phtha...	21.306	149	7979	0.196	ng	# 99
36) Indeno(1,2,3-cd)pyrene	26.156	276	29819	0.501	ng	# 89
37) Benzo(b)fluoranthene	23.027	252	88937	1.597	ng	99
38) Benzo(k)fluoranthene	23.065	252	33632m	0.578	ng	
39) Benzo(a)pyrene	23.633	252	46015	0.920	ng	97
40) Dibenzo(a,h)anthracene	26.167	278	6753	0.147	ng	# 69
41) Benzo(g,h,i)perylene	26.904	276	33068	0.600	ng	99

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

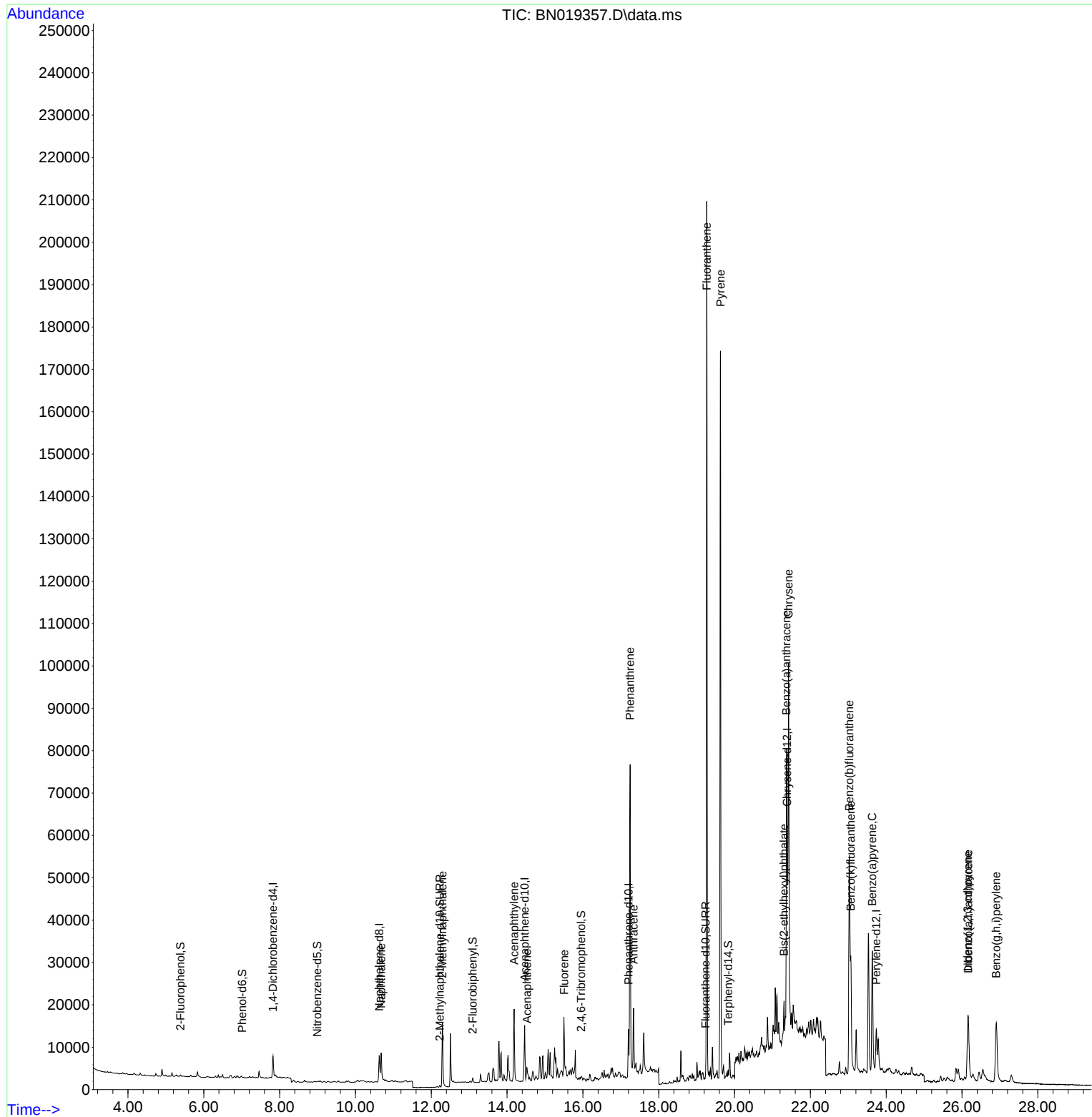
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040522\
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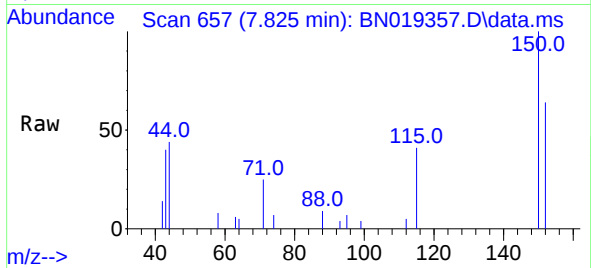
Quant Time: Apr 06 02:31:58 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN040422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 04 17:40:00 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.825 min Scan# 657
Delta R.T. 0.000 min
Lab File: BN019357.D
Acq: 05 Apr 2022 19:29

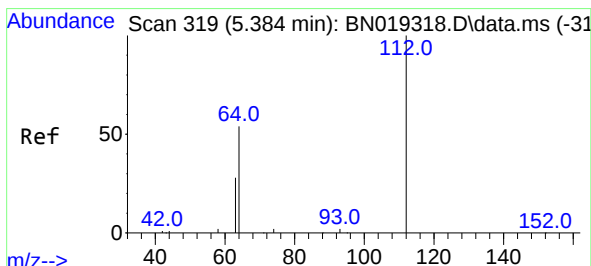
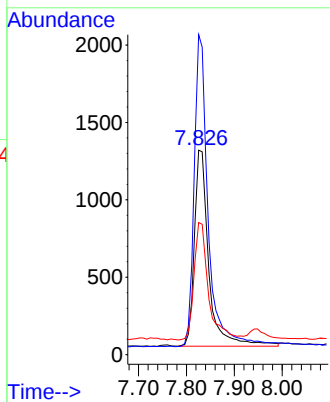
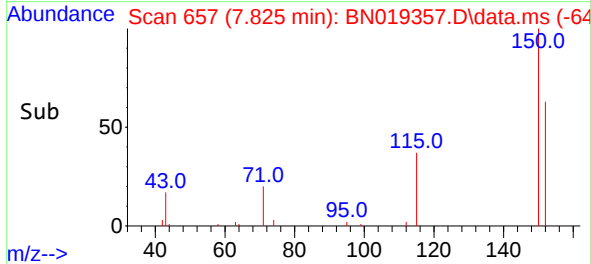
Instrument :
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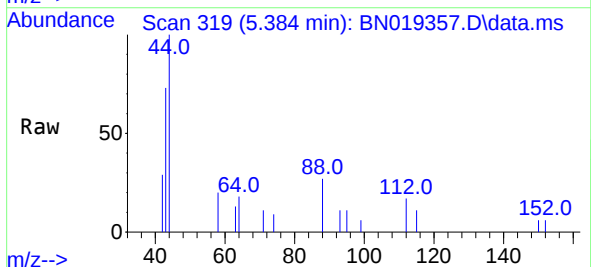
Tgt Ion:152 Resp: 2650
Ion Ratio Lower Upper
152 100
150 156.5 123.9 185.9
115 64.6 48.2 72.4

Manual Integrations
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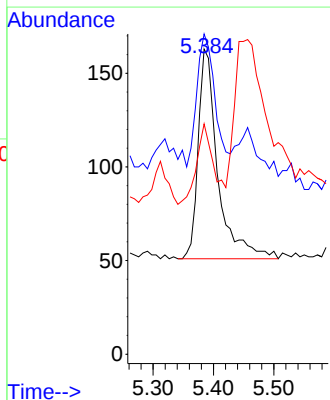
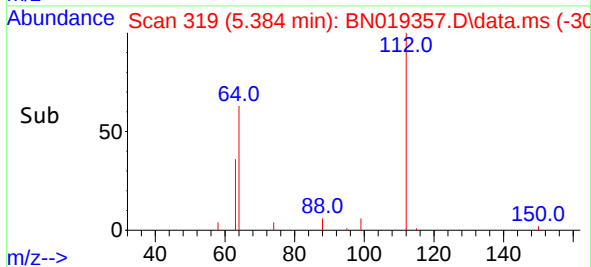
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Supervised By :Jagrut Upadhyay 04/07/2022



#4
2-Fluorophenol
Concen: 0.036 ng
RT: 5.384 min Scan# 319
Delta R.T. 0.000 min
Lab File: BN019357.D
Acq: 05 Apr 2022 19:29



Tgt Ion:112 Resp: 253
Ion Ratio Lower Upper
112 100
64 61.3 47.8 71.8
63 33.6 25.7 38.5





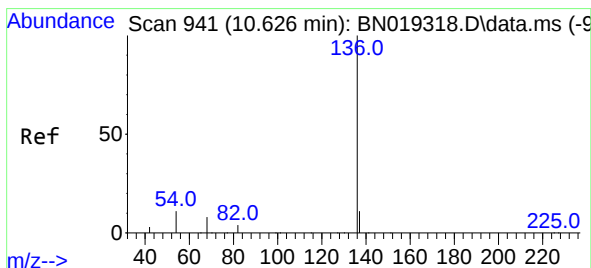
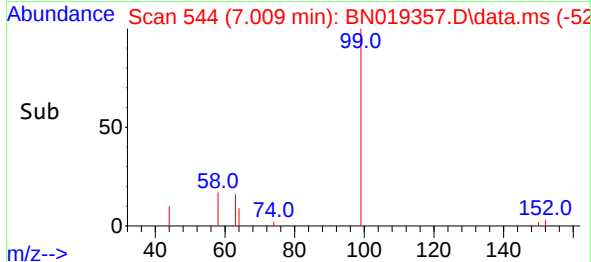
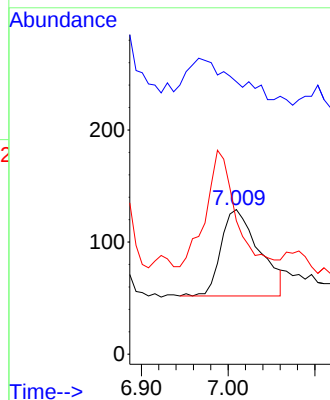
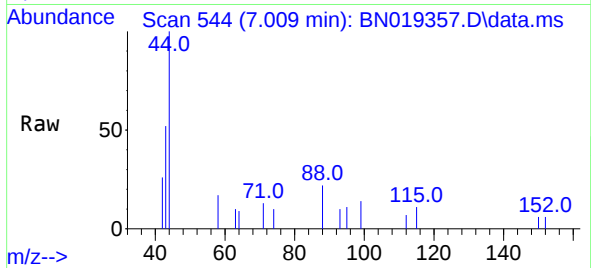
#5
Phenol-d6
Concen: 0.027 ng
RT: 7.009 min Scan# 541
Delta R.T. 0.022 min
Lab File: BN019357.D
Acq: 05 Apr 2022 19:29

Instrument :
BNA_N
ClientSampleId :
A11015

Tgt Ion: 99 Resp: 235
Ion Ratio Lower Upper
99 100
42 0.0 16.2 24.4#
71 0.0 27.7 41.5#

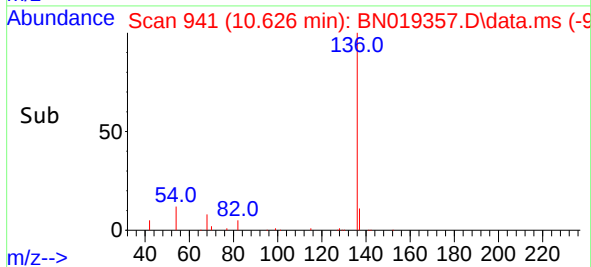
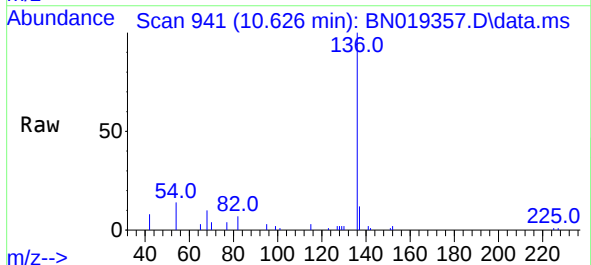
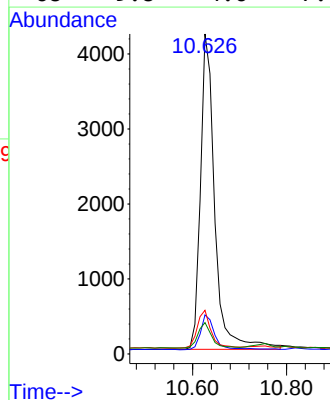
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#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN019357.D
Acq: 05 Apr 2022 19:29

Tgt Ion:136 Resp: 8911
Ion Ratio Lower Upper
136 100
137 12.2 9.0 13.4
54 13.6 5.8 8.6#
68 9.8 4.6 7.0#





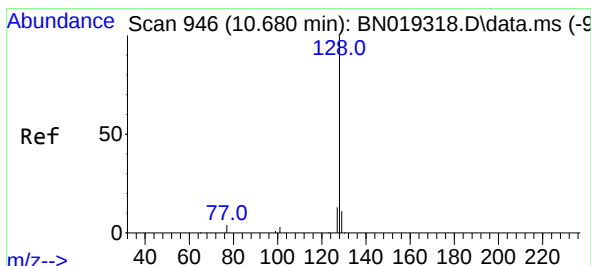
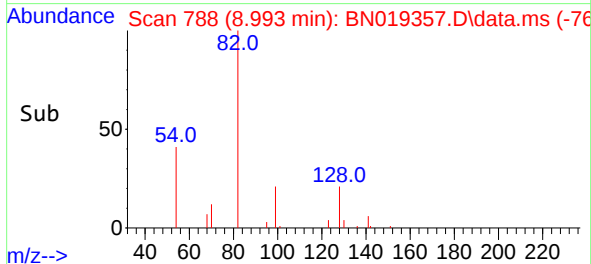
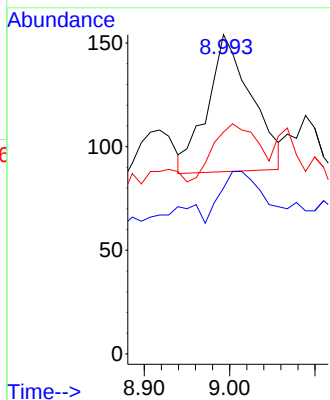
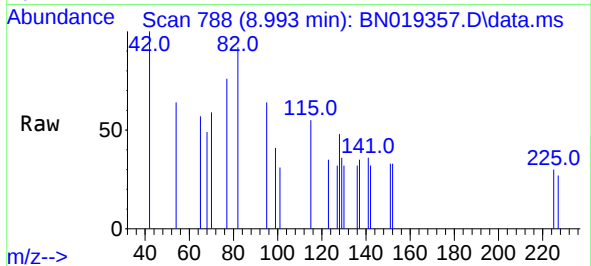
#8
Nitrobenzene-d5
Concen: 0.029 ng
RT: 8.993 min Scan# 787
Delta R.T. 0.011 min
Lab File: BN019357.D
Acq: 05 Apr 2022 19:29

Instrument :
BNA_N
ClientSampleId :
A11015

Tgt Ion: 82 Resp: 230
Ion Ratio Lower Upper
82 100
128 51.9 33.0 49.6
54 69.5 42.5 63.7

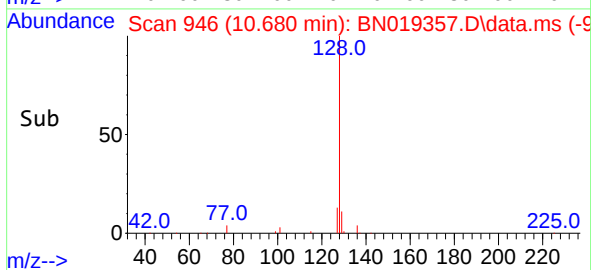
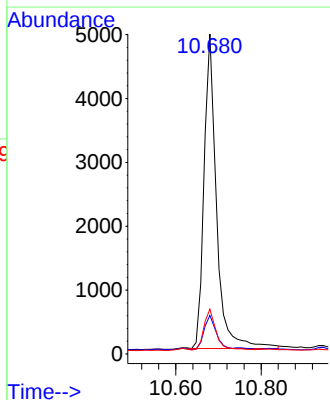
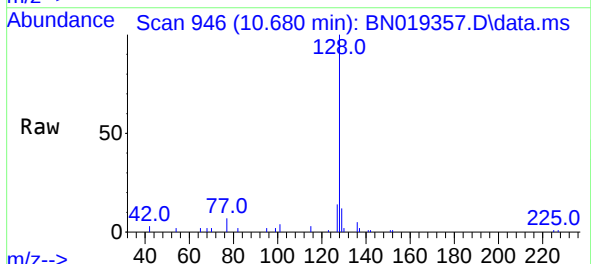
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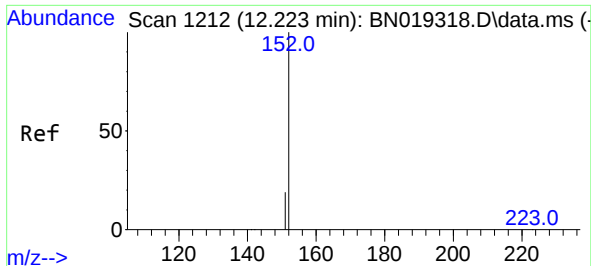
Reviewed By :Christian Giraldo 04/06/2022
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#9
Naphthalene
Concen: 0.380 ng
RT: 10.680 min Scan# 946
Delta R.T. 0.000 min
Lab File: BN019357.D
Acq: 05 Apr 2022 19:29

Tgt Ion:128 Resp: 10004
Ion Ratio Lower Upper
128 100
129 12.1 9.0 13.4
127 14.0 10.7 16.1





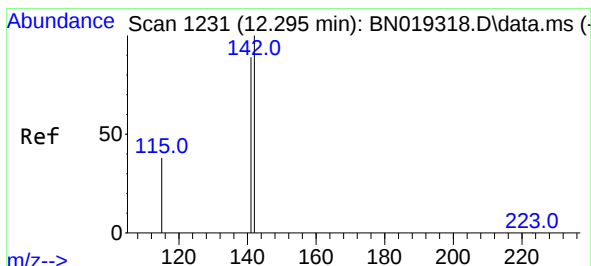
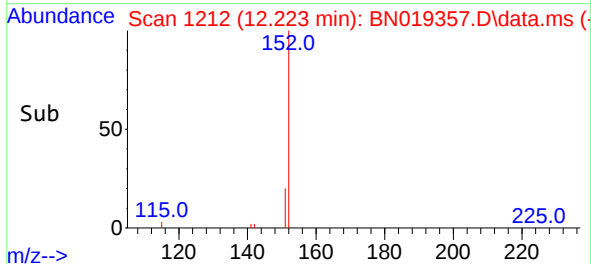
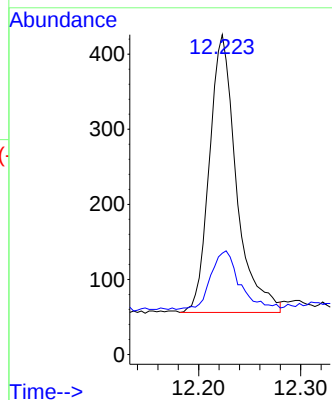
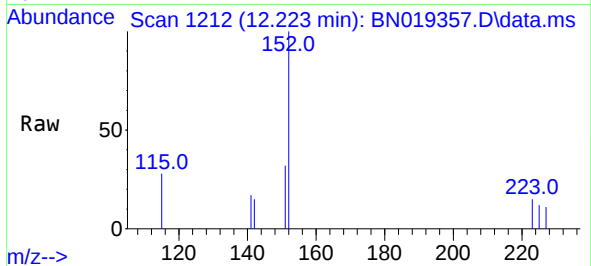
#11
2-Methylnaphthalene-d10
Concen: 0.043 ng
RT: 12.223 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN019357.D
Acq: 05 Apr 2022 19:29

Instrument :
BNA_N
ClientSampleId :
A11015

Tgt Ion:152 Resp: 680
Ion Ratio Lower Upper
152 100
151 21.8 16.5 24.7

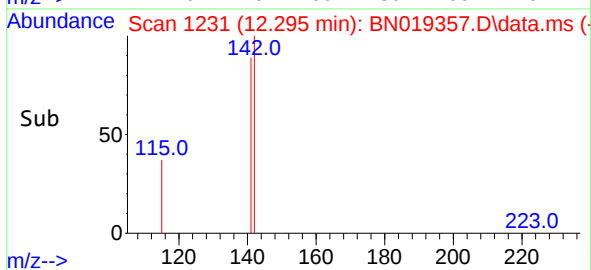
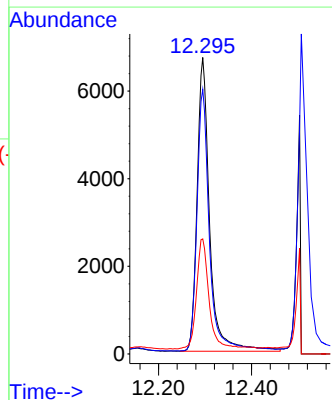
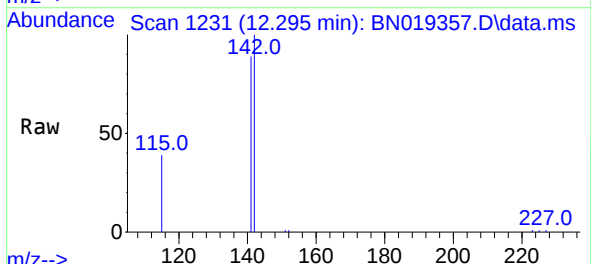
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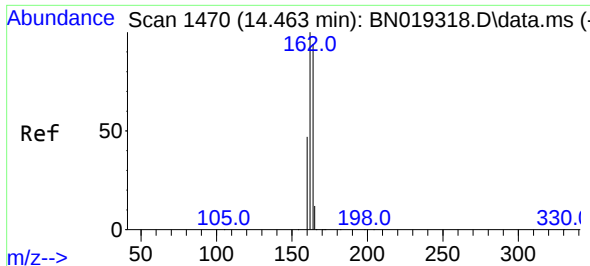
Reviewed By :Christian Giraldo 04/06/2022
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#12
2-Methylnaphthalene
Concen: 0.686 ng
RT: 12.295 min Scan# 1231
Delta R.T. 0.000 min
Lab File: BN019357.D
Acq: 05 Apr 2022 19:29

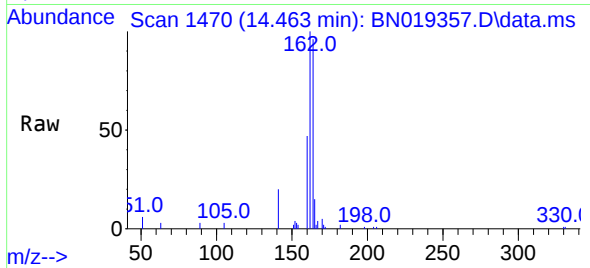
Tgt Ion:142 Resp: 12514
Ion Ratio Lower Upper
142 100
141 89.2 70.0 105.0
115 38.8 29.8 44.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.463 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BN019357.D
Acq: 05 Apr 2022 19:29

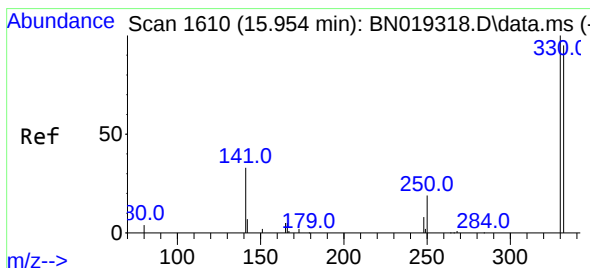
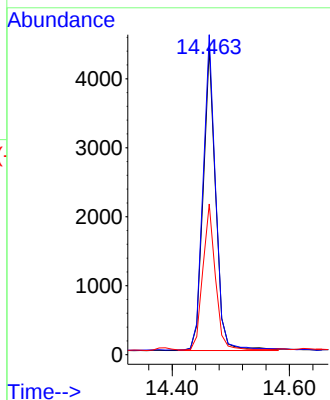
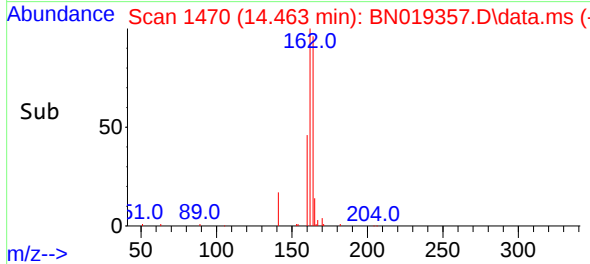
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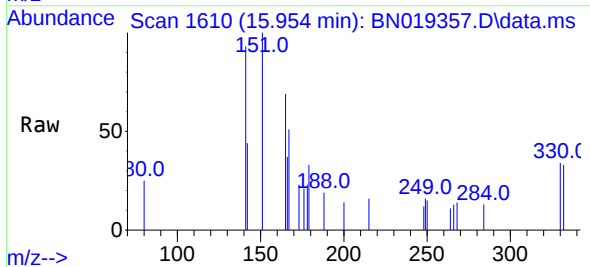
Tgt Ion:164 Resp: 6554
Ion Ratio Lower Upper
164 100
162 104.2 85.2 127.8
160 49.1 41.5 62.3

Manual Integrations
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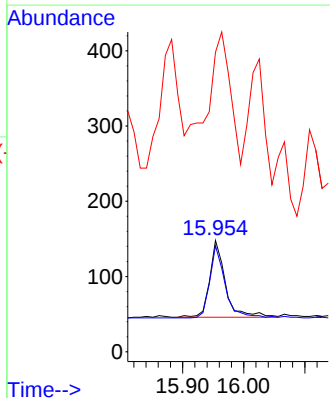
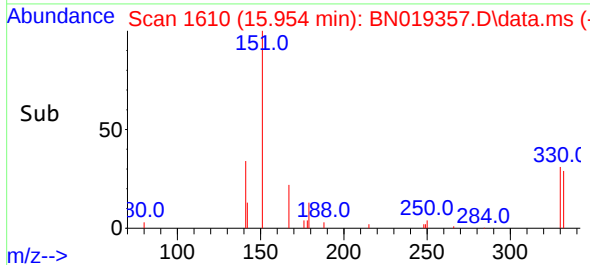
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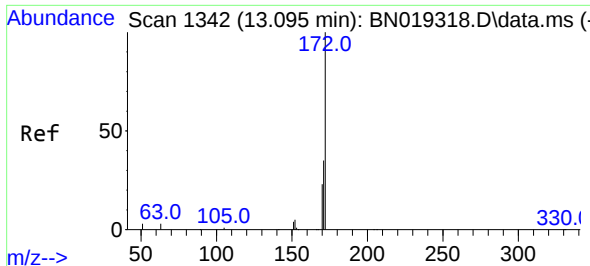


#14
2,4,6-Tribromophenol
Concen: 0.046 ng
RT: 15.954 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BN019357.D
Acq: 05 Apr 2022 19:29



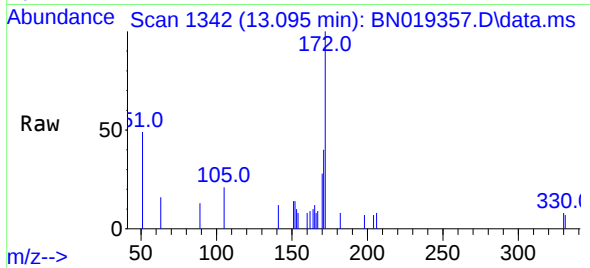
Tgt Ion:330 Resp: 182
Ion Ratio Lower Upper
330 100
332 91.8 76.8 115.2
141 195.6 32.2 48.2#





#15
2-Fluorobiphenyl
Concen: 0.036 ng
RT: 13.095 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN019357.D
Acq: 05 Apr 2022 19:29

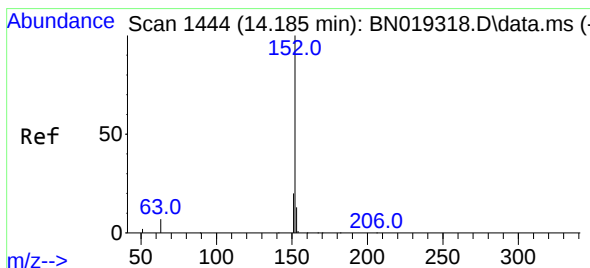
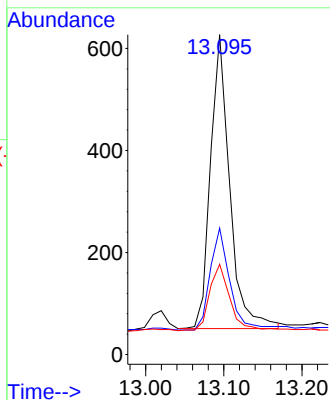
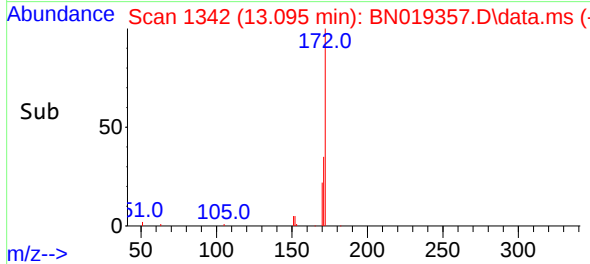
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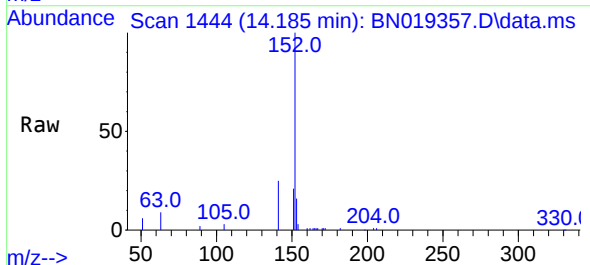
Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.6	28.2	42.2
170	28.2	18.7	28.1

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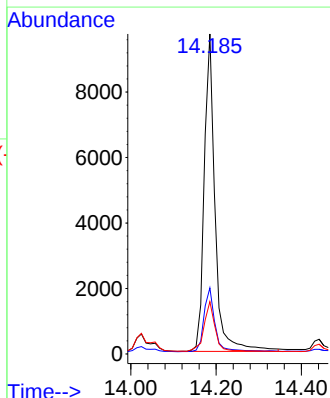
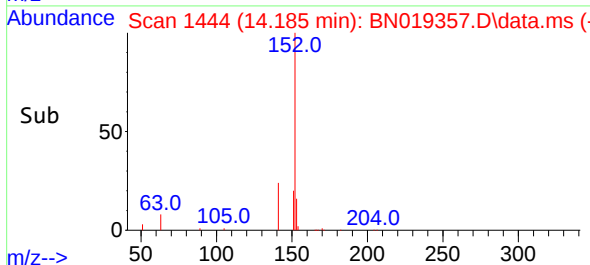
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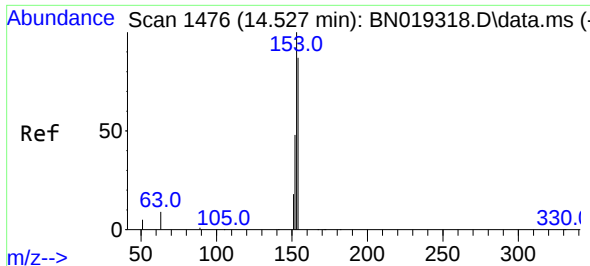


#16
Acenaphthylene
Concen: 0.527 ng
RT: 14.185 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN019357.D
Acq: 05 Apr 2022 19:29



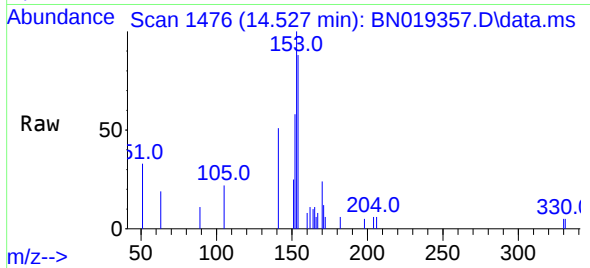
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	15.9	23.9
153	16.0	10.6	15.8





#17
Acenaphthene
Concen: 0.058 ng
RT: 14.527 min Scan# 1476
Delta R.T. 0.000 min
Lab File: BN019357.D
Acq: 05 Apr 2022 19:29

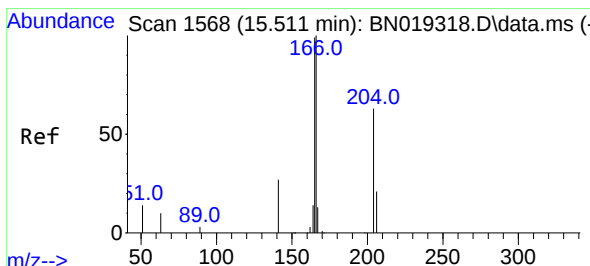
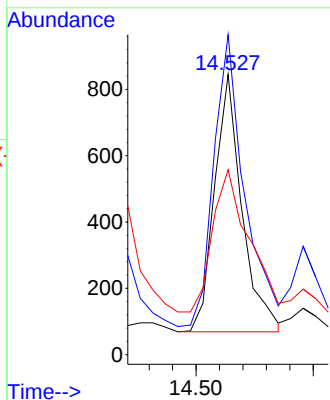
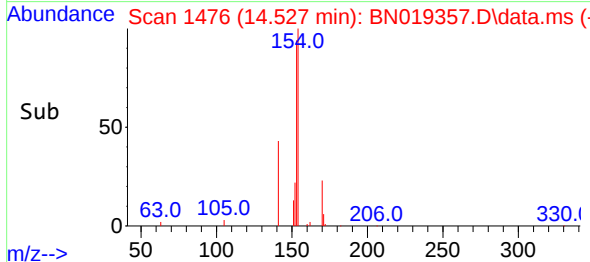
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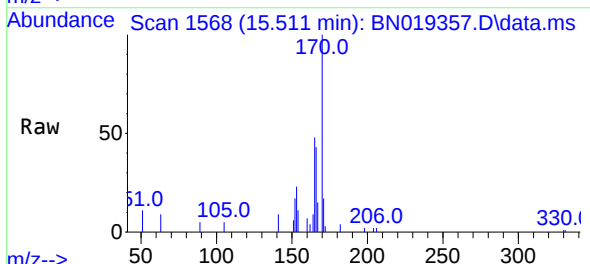
Tgt Ion:154 Resp: 126.8
Ion Ratio Lower Upper
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153 126.8 89.7 134.5
152 74.0 44.7 67.1

Manual Integrations
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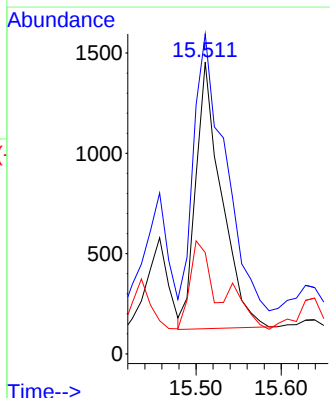
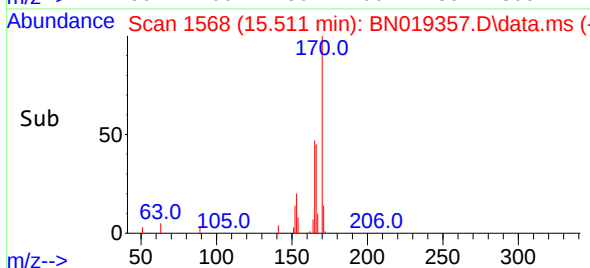
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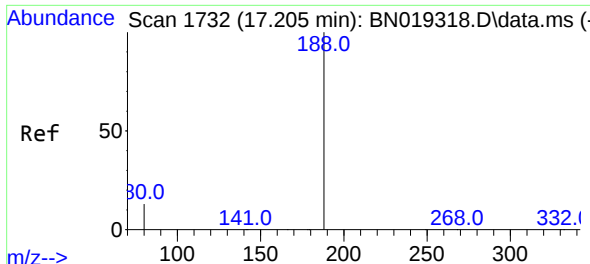


#18
Fluorene
Concen: 0.097 ng
RT: 15.511 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BN019357.D
Acq: 05 Apr 2022 19:29



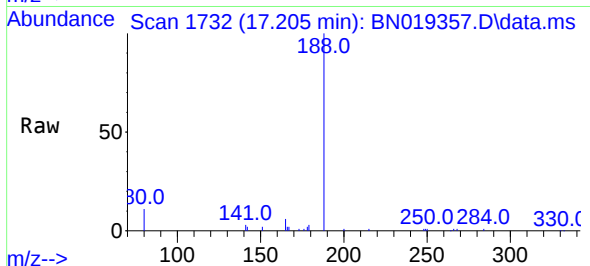
Tgt Ion:166 Resp: 2783
Ion Ratio Lower Upper
166 100
165 127.1 79.2 118.8#
167 28.2 10.7 16.1#





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.205 min Scan# 1732
Delta R.T. 0.000 min
Lab File: BN019357.D
Acq: 05 Apr 2022 19:29

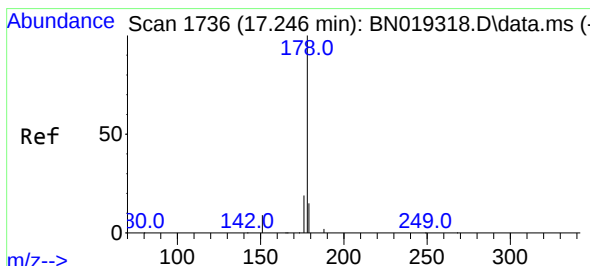
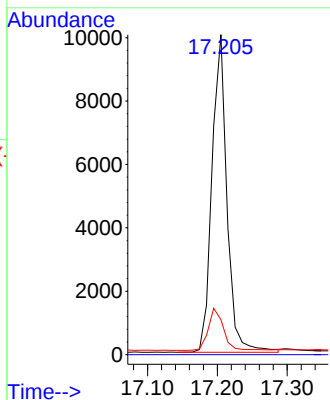
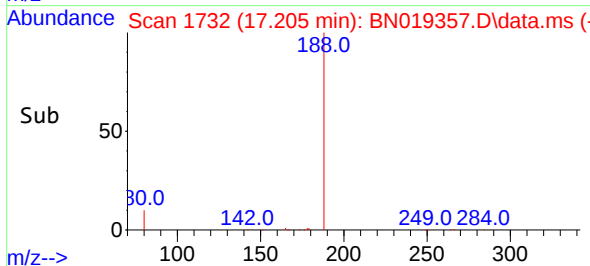
Instrument :
BNA_N
ClientSampleId :
A11015



Tgt Ion:188 Resp: 15024
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.0 11.8 17.8

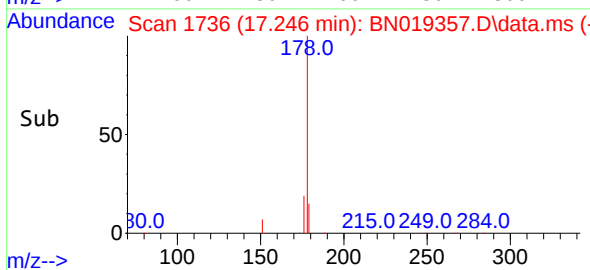
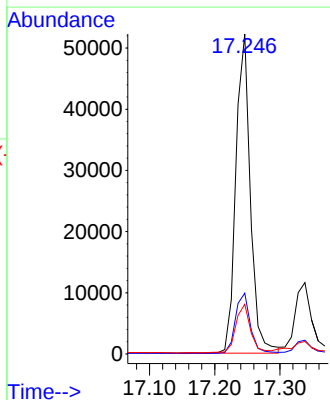
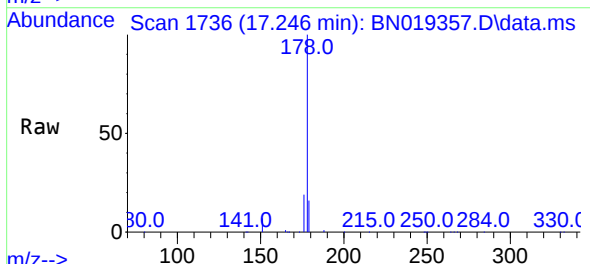
Manual Integrations
APPROVED

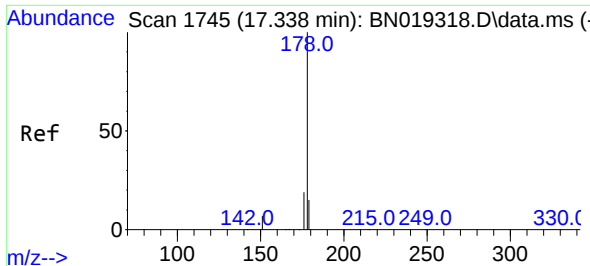
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#25
Phenanthrene
Concen: 1.597 ng
RT: 17.246 min Scan# 1736
Delta R.T. 0.000 min
Lab File: BN019357.D
Acq: 05 Apr 2022 19:29

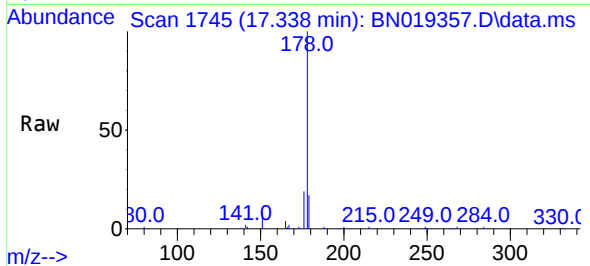
Tgt Ion:178 Resp: 80495
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.8 12.2 18.2





#26
 Anthracene
 Concen: 0.456 ng
 RT: 17.338 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN019357.D
 Acq: 05 Apr 2022 19:29

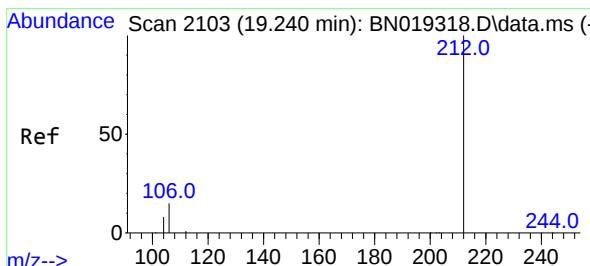
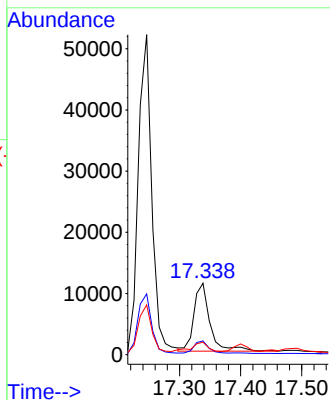
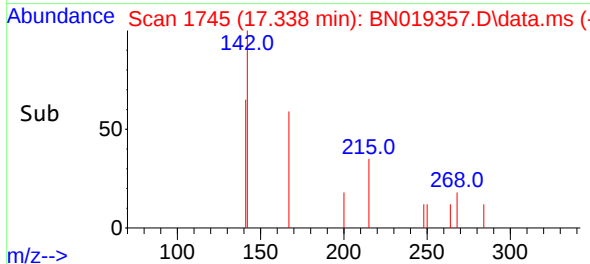
Instrument :
 BNA_N
 ClientSampleId :
 A11015



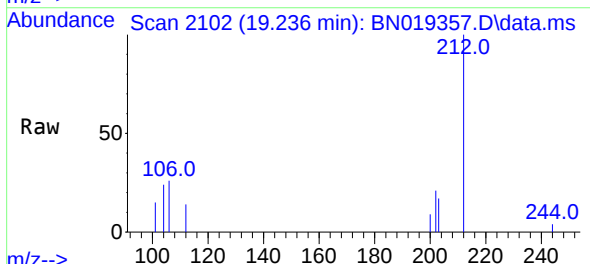
Tgt Ion:178 Resp: 20224
 Ion Ratio Lower Upper
 178 100
 176 17.9 14.8 22.2
 179 14.0 12.2 18.4

Manual Integrations
 APPROVED

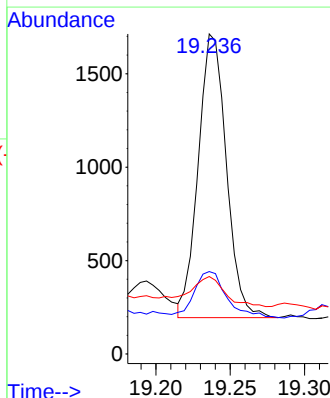
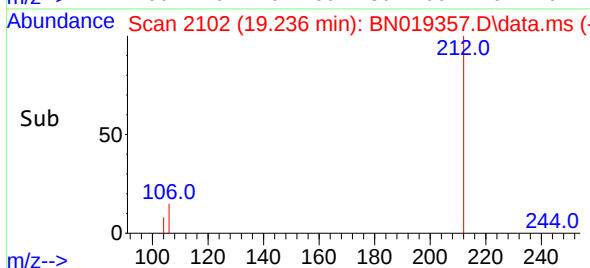
Reviewed By :Christian Giraldo 04/06/2022
 Supervised By :Jagrut Upadhyay 04/07/2022

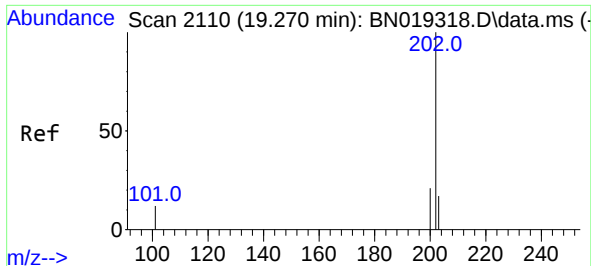


#27
 Fluoranthene-d10
 Concen: 0.041 ng
 RT: 19.236 min Scan# 2102
 Delta R.T. -0.004 min
 Lab File: BN019357.D
 Acq: 05 Apr 2022 19:29



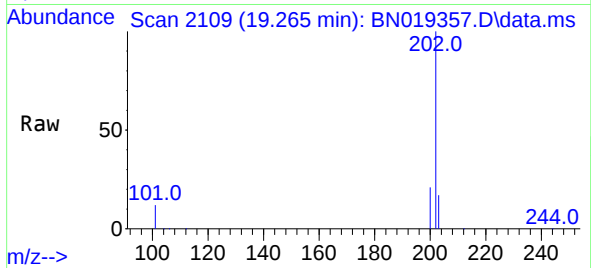
Tgt Ion:212 Resp: 1994
 Ion Ratio Lower Upper
 212 100
 106 19.1 12.7 19.1#
 104 12.0 7.1 10.7#





#28
Fluoranthene
Concen: 3.001 ng
RT: 19.265 min Scan# 2110
Delta R.T. -0.004 min
Lab File: BN019357.D
Acq: 05 Apr 2022 19:29

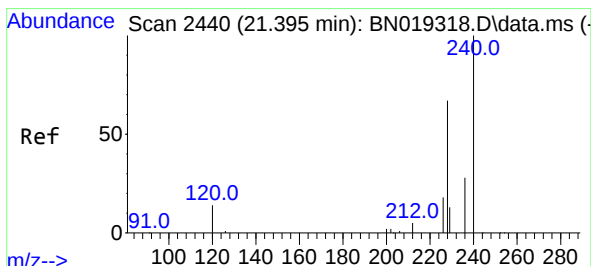
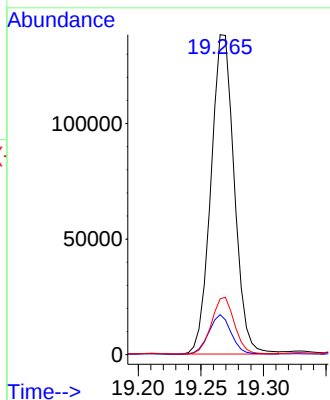
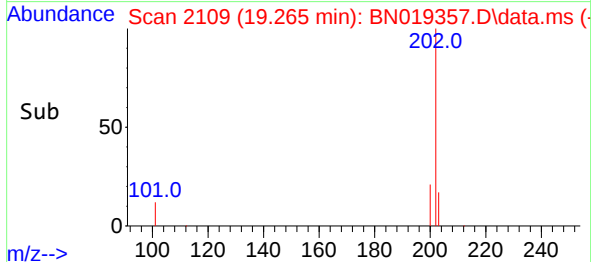
Instrument :
BNA_N
ClientSampleId :
A11015



Tgt Ion:202 Resp: 17940
Ion Ratio Lower Upper
202 100
101 11.9 9.8 14.6
203 17.4 13.7 20.5

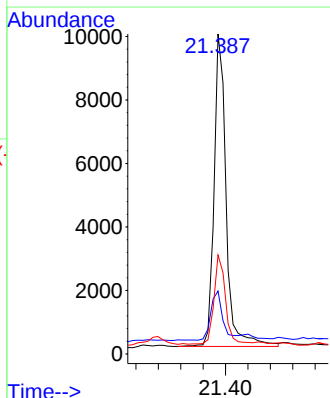
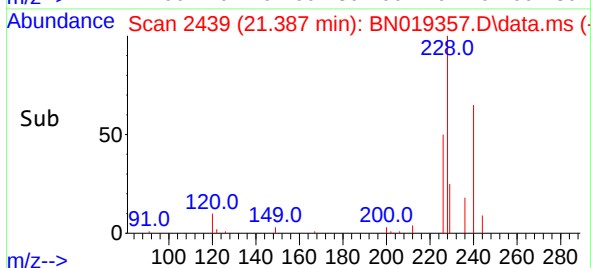
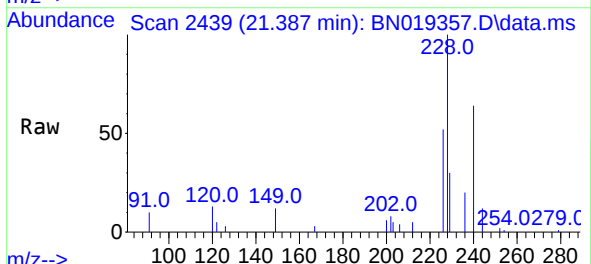
Manual Integrations
APPROVED

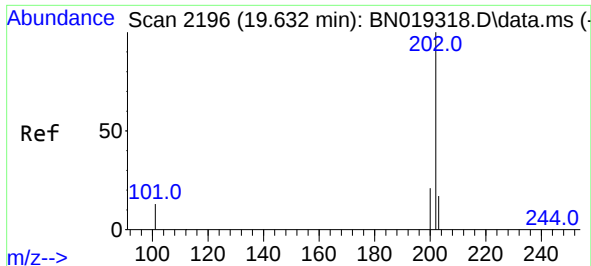
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.387 min Scan# 2439
Delta R.T. -0.009 min
Lab File: BN019357.D
Acq: 05 Apr 2022 19:29

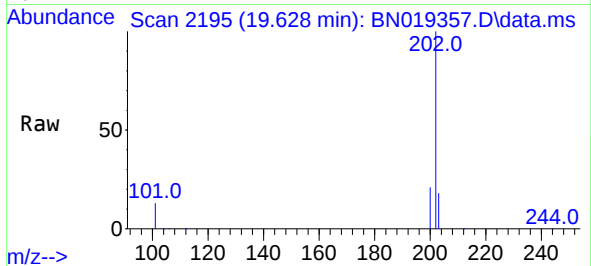
Tgt Ion:240 Resp: 14801
Ion Ratio Lower Upper
240 100
120 19.7 8.5 12.7#
236 30.9 22.4 33.6





#30
Pyrene
Concen: 2.295 ng
RT: 19.628 min Scan# 2195
Delta R.T. -0.004 min
Lab File: BN019357.D
Acq: 05 Apr 2022 19:29

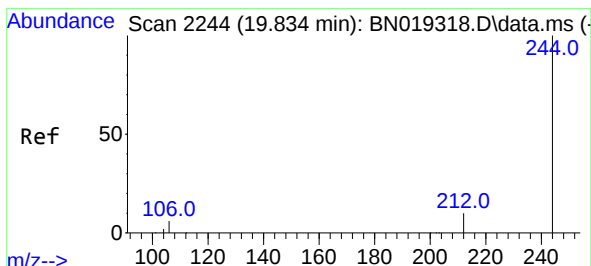
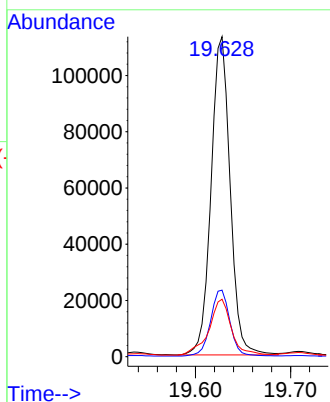
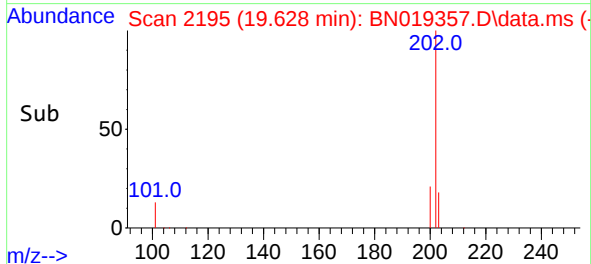
Instrument :
BNA_N
ClientSampleId :
A11015



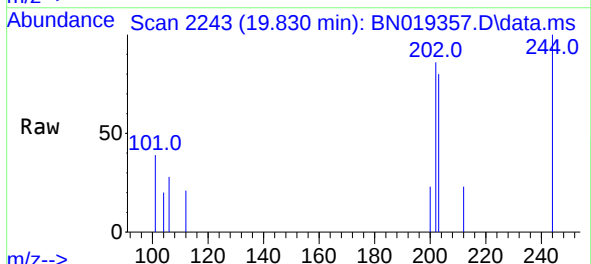
Tgt Ion:202 Resp: 15806
Ion Ratio Lower Upper
202 100
200 21.1 16.9 25.3
203 20.5 14.2 21.2

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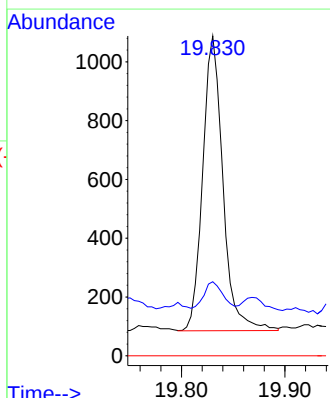
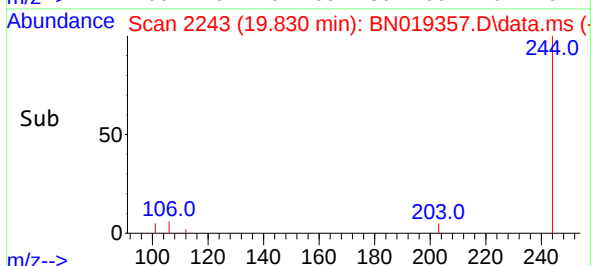
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022

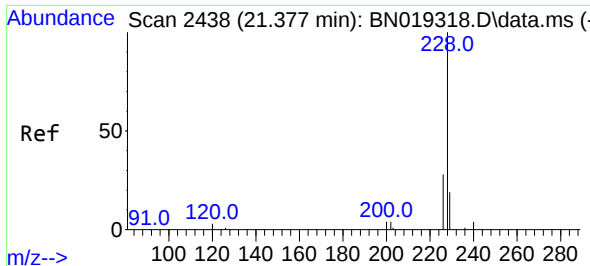


#31
Terphenyl-d14
Concen: 0.042 ng
RT: 19.830 min Scan# 2243
Delta R.T. -0.004 min
Lab File: BN019357.D
Acq: 05 Apr 2022 19:29



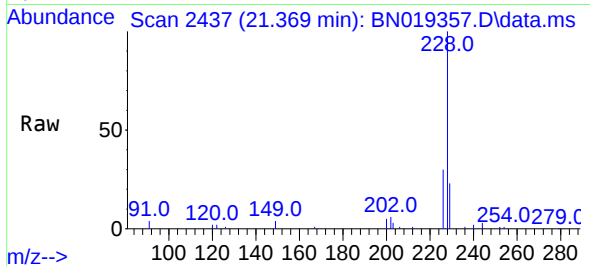
Tgt Ion:244 Resp: 1363
Ion Ratio Lower Upper
244 100
212 23.2 8.2 12.4#
122 0.0 0.0 0.0





#32
Benzo(a)anthracene
Concen: 1.235 ng
RT: 21.369 min Scan# 2438
Delta R.T. -0.009 min
Lab File: BN019357.D
Acq: 05 Apr 2022 19:29

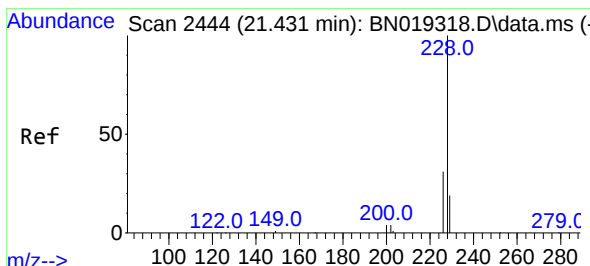
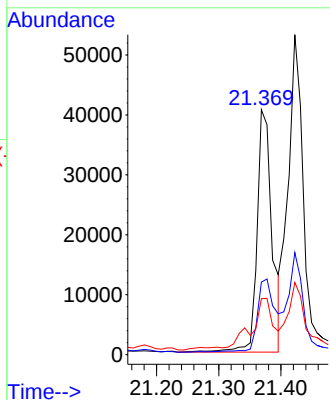
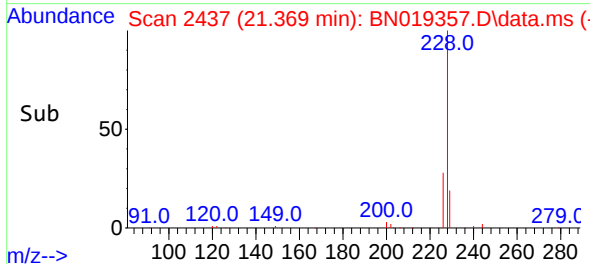
Instrument :
BNA_N
ClientSampleId :
A11015



Tgt Ion:228 Resp: 67558
Ion Ratio Lower Upper
228 100
226 29.7 21.9 32.9
229 22.9 16.0 24.0

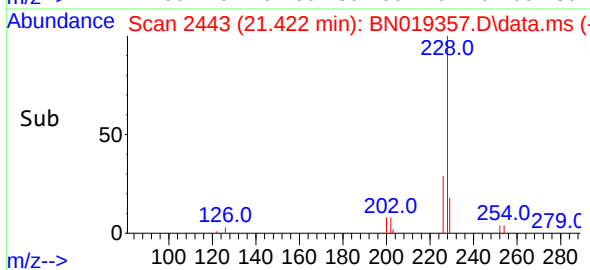
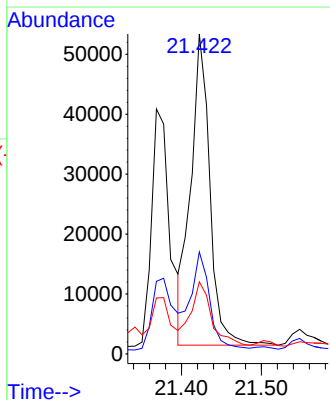
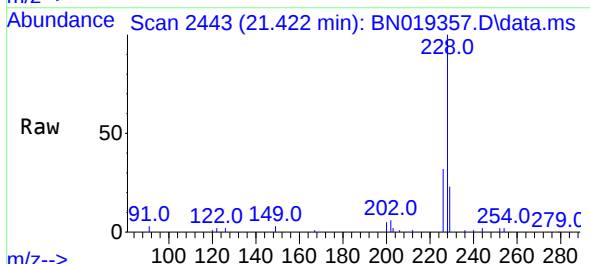
Manual Integrations
APPROVED

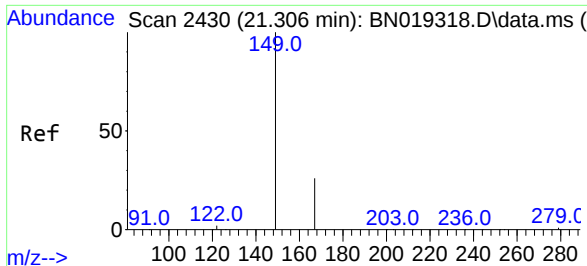
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#33
Chrysene
Concen: 1.420 ng
RT: 21.422 min Scan# 2443
Delta R.T. -0.009 min
Lab File: BN019357.D
Acq: 05 Apr 2022 19:29

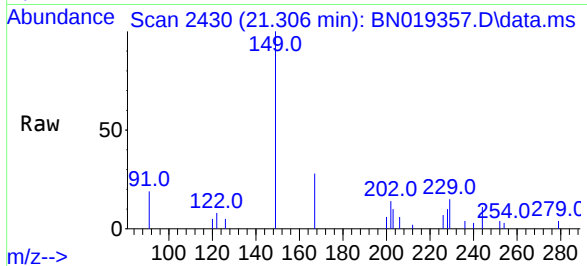
Tgt Ion:228 Resp: 86290
Ion Ratio Lower Upper
228 100
226 31.9 24.0 36.0
229 22.6 15.9 23.9





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.196 ng
RT: 21.306 min Scan# 2430
Delta R.T. 0.000 min
Lab File: BN019357.D
Acq: 05 Apr 2022 19:29

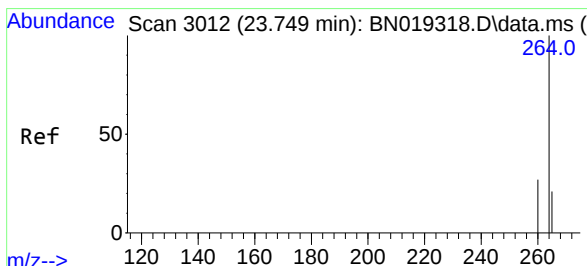
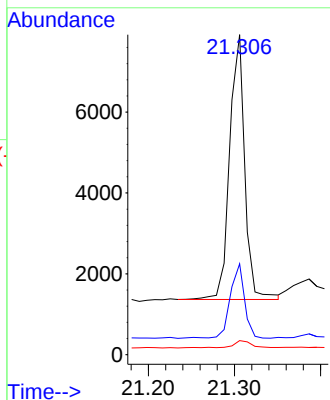
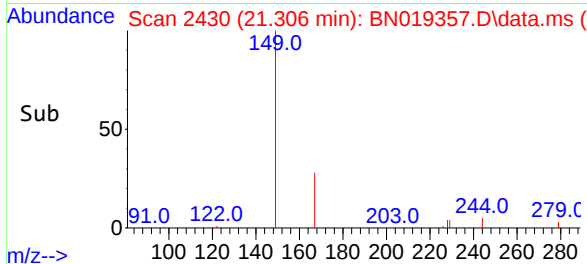
Instrument :
BNA_N
ClientSampleId :
A11015



Tgt Ion:149 Resp: 7979
Ion Ratio Lower Upper
149 100
167 27.0 21.8 32.8
279 3.6 2.0 3.0

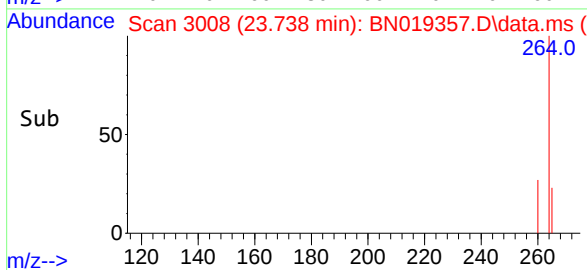
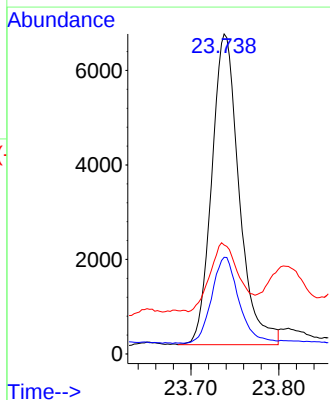
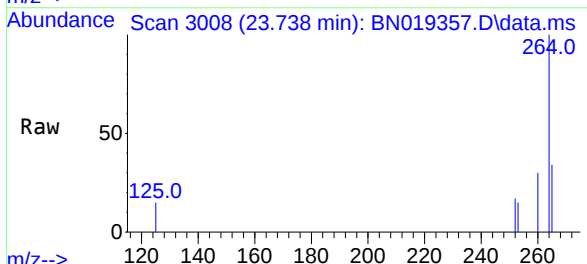
Manual Integrations
APPROVED

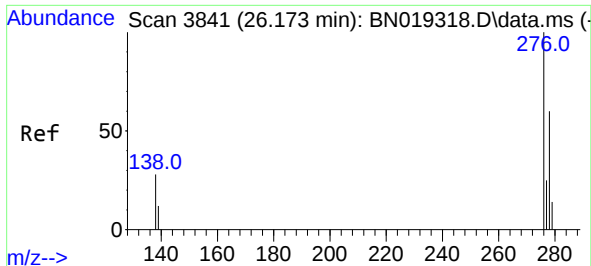
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.738 min Scan# 3008
Delta R.T. -0.012 min
Lab File: BN019357.D
Acq: 05 Apr 2022 19:29

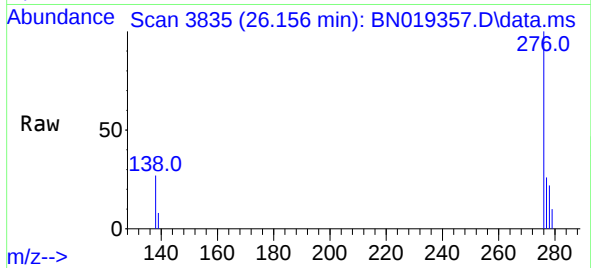
Tgt Ion:264 Resp: 14208
Ion Ratio Lower Upper
264 100
260 30.2 22.4 33.6
265 34.0 25.3 37.9





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.501 ng
RT: 26.156 min Scan# 3841
Delta R.T. -0.017 min
Lab File: BN019357.D
Acq: 05 Apr 2022 19:29

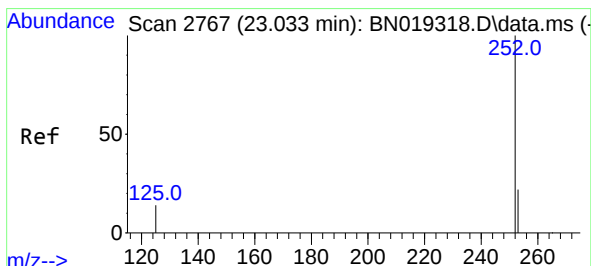
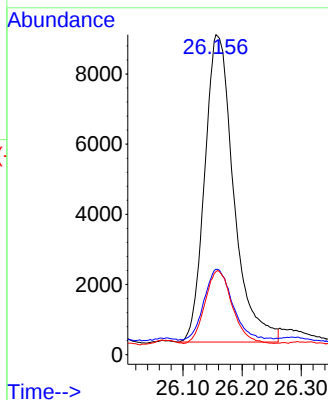
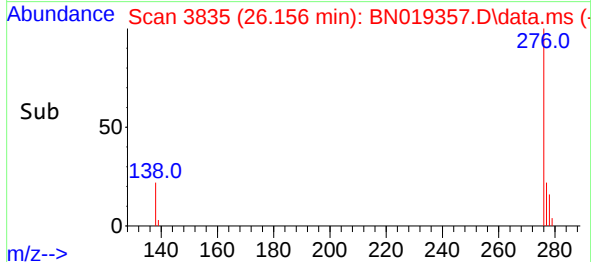
Instrument :
BNA_N
ClientSampleId :
A11015



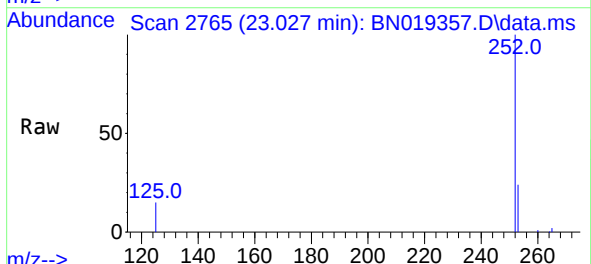
Tgt Ion:276 Resp: 29819
Ion Ratio Lower Upper
276 100
138 22.0 24.5 36.7
277 22.1 19.8 29.8

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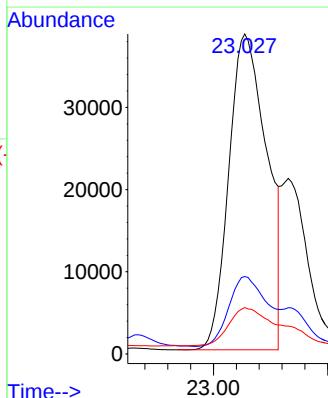
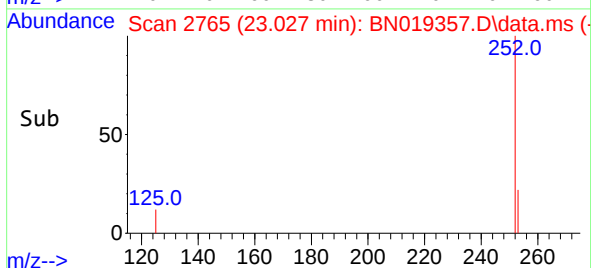
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022

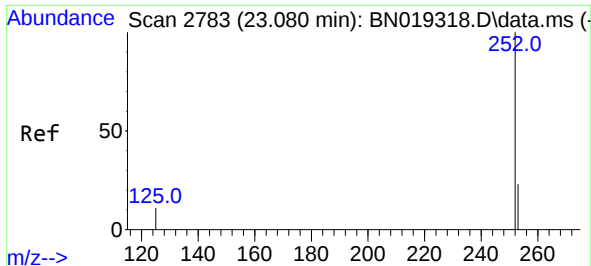


#37
Benzo(b)fluoranthene
Concen: 1.597 ng
RT: 23.027 min Scan# 2765
Delta R.T. -0.006 min
Lab File: BN019357.D
Acq: 05 Apr 2022 19:29



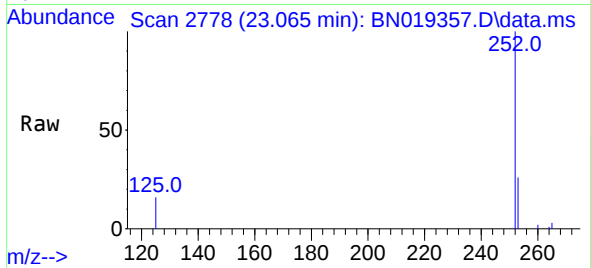
Tgt Ion:252 Resp: 88937
Ion Ratio Lower Upper
252 100
253 24.2 18.9 28.3
125 14.5 12.1 18.1





#38
Benzo(k)fluoranthene
Concen: 0.578 ng m
RT: 23.065 min Scan# 21
Delta R.T. -0.015 min
Lab File: BN019357.D
Acq: 05 Apr 2022 19:29

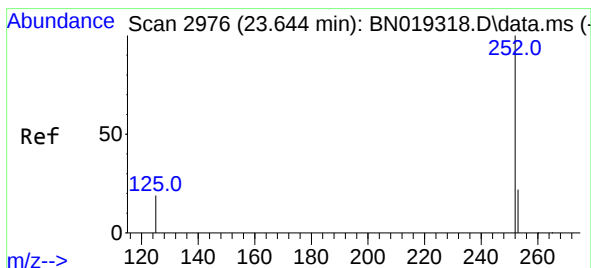
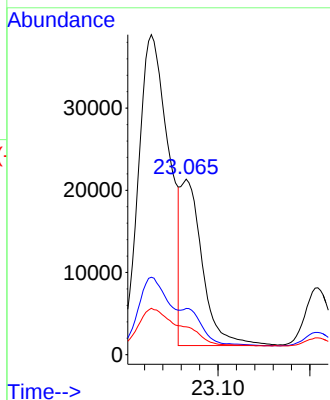
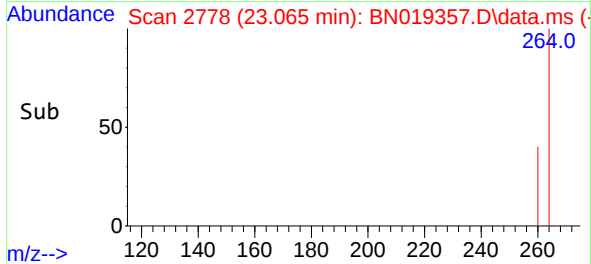
Instrument :
BNA_N
ClientSampleId :
A11015



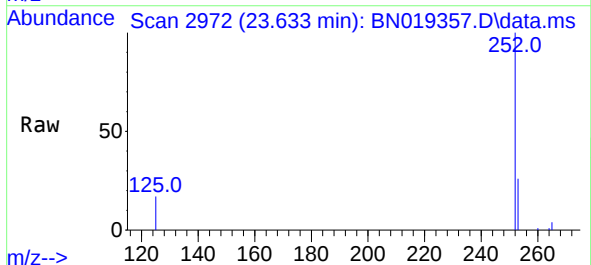
Tgt Ion:252 Resp: 3363
Ion Ratio Lower Upper
252 100
253 26.4 18.9 28.3
125 15.8 10.3 15.5

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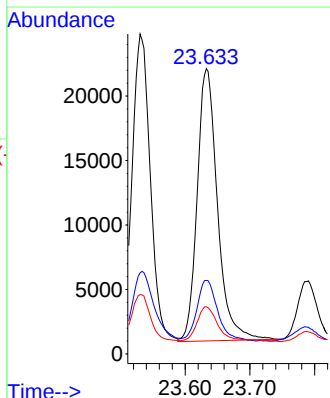
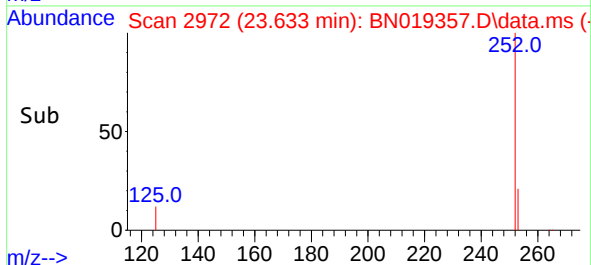
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022

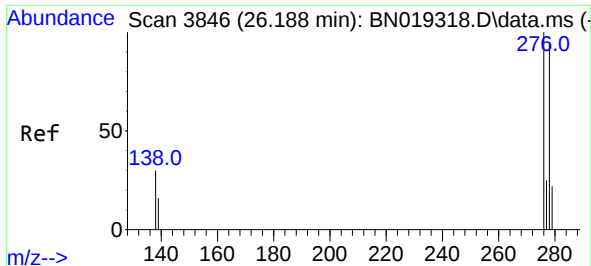


#39
Benzo(a)pyrene
Concen: 0.920 ng
RT: 23.633 min Scan# 2972
Delta R.T. -0.012 min
Lab File: BN019357.D
Acq: 05 Apr 2022 19:29



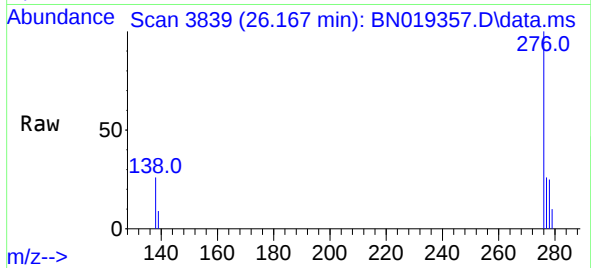
Tgt Ion:252 Resp: 46015
Ion Ratio Lower Upper
252 100
253 25.8 20.1 30.1
125 16.6 15.2 22.8





#40
Dibenzo(a,h)anthracene
Concen: 0.147 ng
RT: 26.167 min Scan# 3846
Delta R.T. -0.020 min
Lab File: BN019357.D
Acq: 05 Apr 2022 19:29

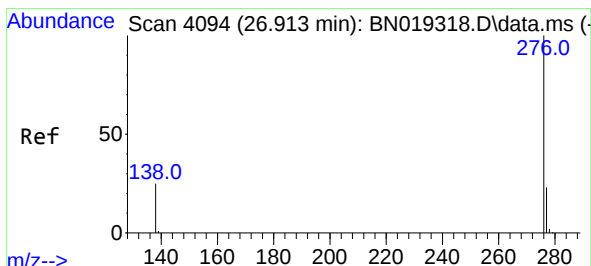
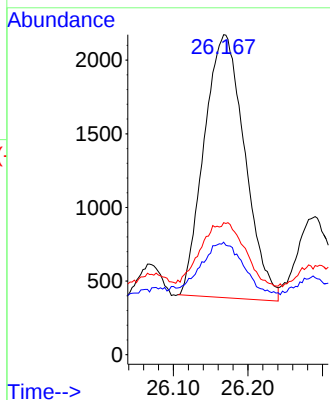
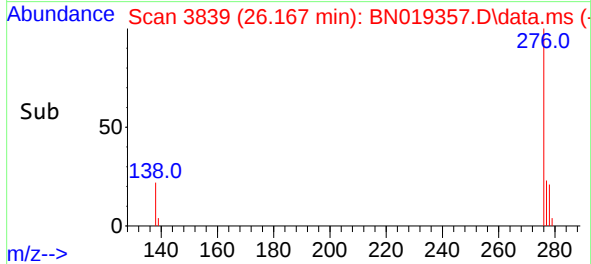
Instrument :
BNA_N
ClientSampleId :
A11015



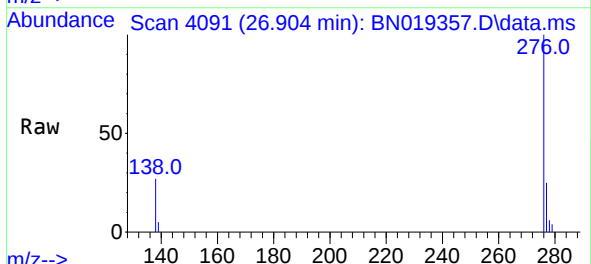
Tgt Ion: 278 Resp: 675
Ion Ratio Lower Upper
278 100
139 35.2 17.2 25.8
279 41.2 19.9 29.9

Manual Integrations
APPROVED

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



#41
Benzo(g,h,i)perylene
Concen: 0.600 ng
RT: 26.904 min Scan# 4091
Delta R.T. -0.009 min
Lab File: BN019357.D
Acq: 05 Apr 2022 19:29



Tgt Ion: 276 Resp: 33068
Ion Ratio Lower Upper
276 100
277 24.8 19.4 29.0
138 26.8 21.0 31.6

