

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040422\
 Data File : BN019341.D
 Acq On : 05 Apr 2022 06:34
 Operator : CG/JU
 Sample : N2237-10 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DUP-0401

Manual Integrations
 APPROVED

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

Quant Time: Apr 05 07:49:31 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	8815	0.400	ng	0.00
7) Naphthalene-d8	10.626	136	26315	0.400	ng	# 0.00
13) Acenaphthene-d10	14.463	164	16129	0.400	ng	0.00
19) Phenanthrene-d10	17.205	188	30981	0.400	ng	# 0.00
29) Chrysene-d12	21.386	240	19159	0.400	ng	# 0.00
35) Perylene-d12	23.738	264	14322	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	760	0.032	ng	0.00
5) Phenol-d6	6.995	99	798	0.028	ng	0.00
8) Nitrobenzene-d5	8.993	82	656	0.027	ng	0.01
11) 2-Methylnaphthalene-d10	12.223	152	1544	0.033	ng	0.00
14) 2,4,6-Tribromophenol	15.954	330	281	0.029	ng	0.00
15) 2-Fluorobiphenyl	13.095	172	2220	0.033	ng	0.00
27) Fluoranthene-d10	19.232	212	2670	0.027	ng	0.00
31) Terphenyl-d14	19.830	244	1568	0.038	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.680	128	2183	0.028	ng	# 87
12) 2-Methylnaphthalene	12.295	142	1229	0.023	ng	# 92
16) Acenaphthylene	14.185	152	5372	0.067	ng	99
18) Fluorene	15.511	166	1429	0.020	ng	# 95
25) Phenanthrene	17.246	178	36390	0.350	ng	100
26) Anthracene	17.338	178	7281	0.080	ng	97
28) Fluoranthene	19.265	202	105572	0.856	ng	100
30) Pyrene	19.628	202	92105	1.033	ng	97
32) Benzo(a)anthracene	21.378	228	39463	0.557	ng	95
33) Chrysene	21.422	228	44631	0.567	ng	97
34) Bis(2-ethylhexyl)phtha...	21.306	149	7904	0.150	ng	98
36) Indeno(1,2,3-cd)pyrene	26.159	276	24276	0.405	ng	# 88
37) Benzo(b)fluoranthene	23.027	252	53446	0.952	ng	98
38) Benzo(k)fluoranthene	23.065	252	17664m	0.301	ng	
39) Benzo(a)pyrene	23.632	252	31851	0.632	ng	97
40) Dibenzo(a,h)anthracene	26.164	278	4645	0.100	ng	# 74
41) Benzo(g,h,i)perylene	26.901	276	28789	0.518	ng	99

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

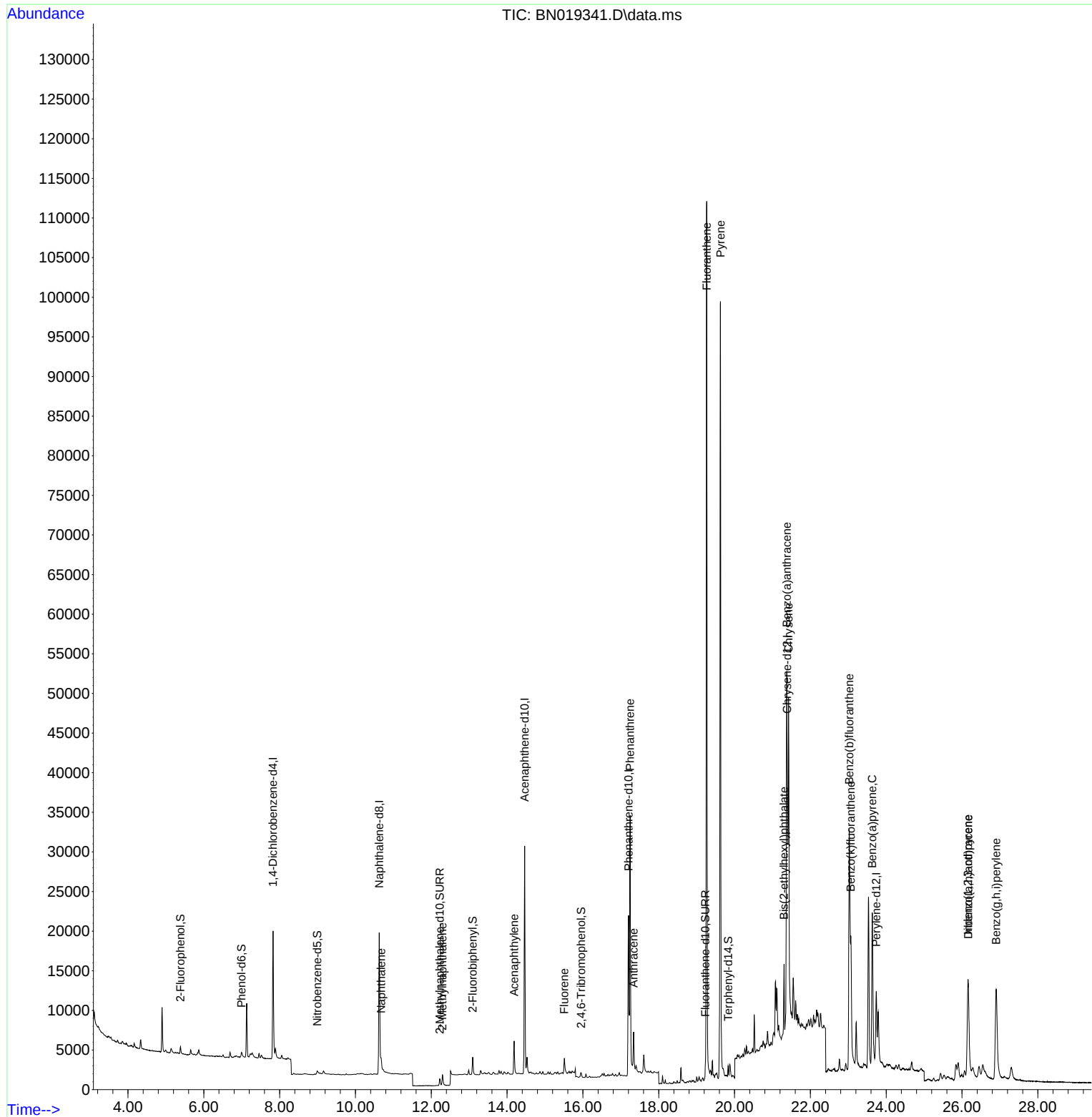
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040422\
Data File : BN019341.D
Acq On : 05 Apr 2022 06:34
Operator : CG/JU
Sample : N2237-10 5X
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ALS Vial : 27 Sample Multiplier: 1

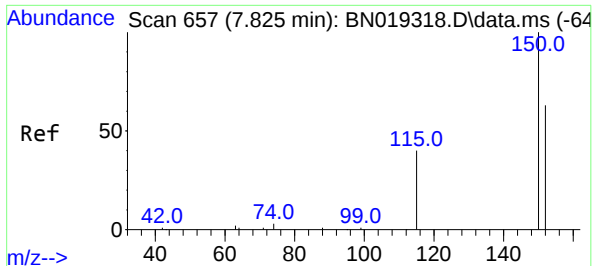
Instrument :
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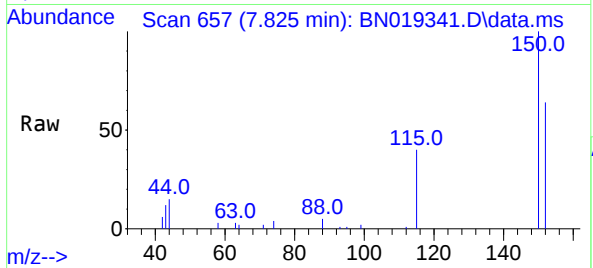
Quant Time: Apr 05 07:49:31 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN040422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 04 17:40:00 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.825 min Scan# 657
Delta R.T. 0.000 min
Lab File: BN019341.D
Acq: 05 Apr 2022 06:34

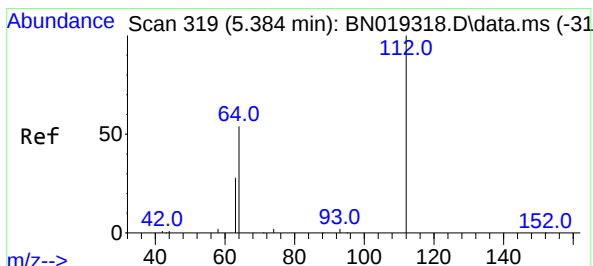
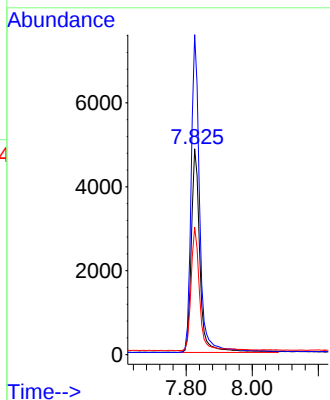
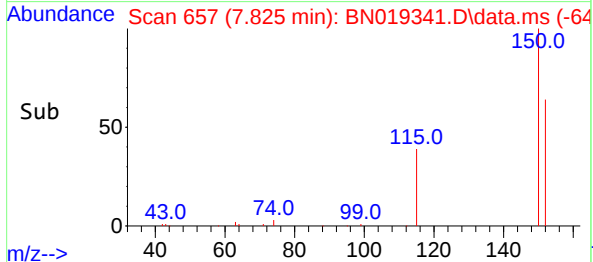
Instrument :
BNA_N
ClientSampleId :
DUP-0401



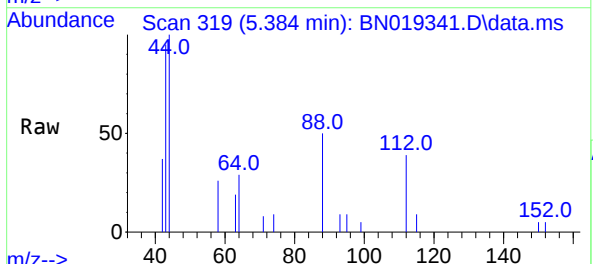
Tgt Ion:152 Resp: 881
Ion Ratio Lower Upper
152 100
150 155.4 123.9 185.9
115 61.9 48.2 72.4

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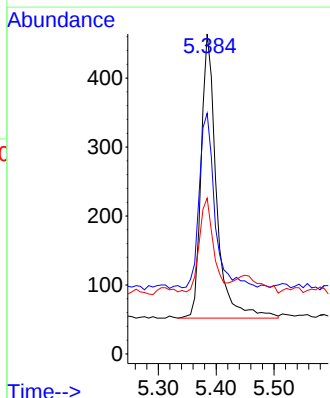
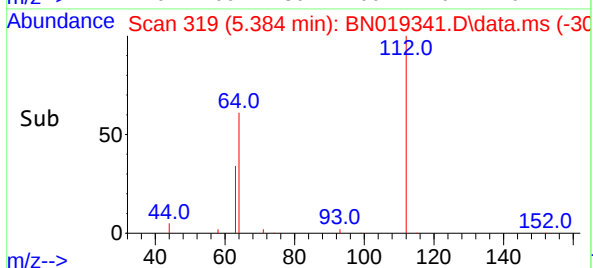
Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022



#4
2-Fluorophenol
Concen: 0.032 ng
RT: 5.384 min Scan# 319
Delta R.T. 0.000 min
Lab File: BN019341.D
Acq: 05 Apr 2022 06:34



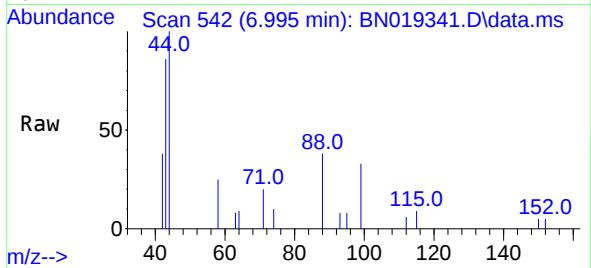
Tgt Ion:112 Resp: 760
Ion Ratio Lower Upper
112 100
64 63.7 47.8 71.8
63 30.8 25.7 38.5





#5
Phenol-d6
Concen: 0.028 ng
RT: 6.995 min Scan# 541
Delta R.T. 0.007 min
Lab File: BN019341.D
Acq: 05 Apr 2022 06:34

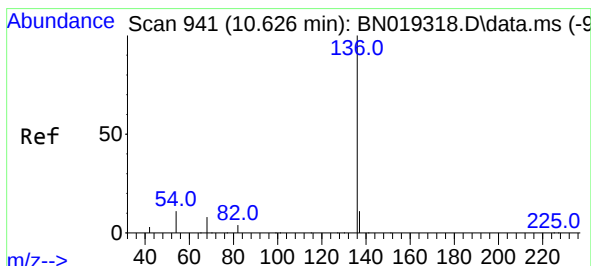
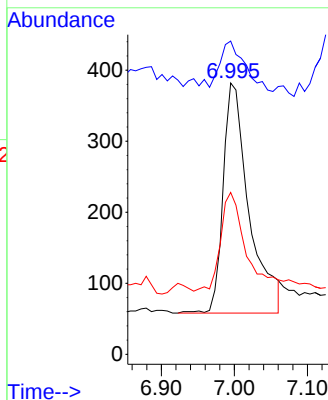
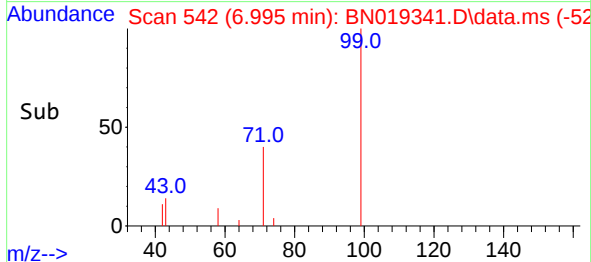
Instrument :
BNA_N
ClientSampleId :
DUP-0401



Tgt Ion: 99 Resp: 798
Ion Ratio Lower Upper
99 100
42 20.8 16.2 24.4
71 41.4 27.7 41.5

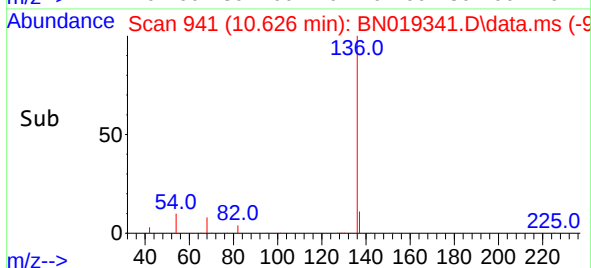
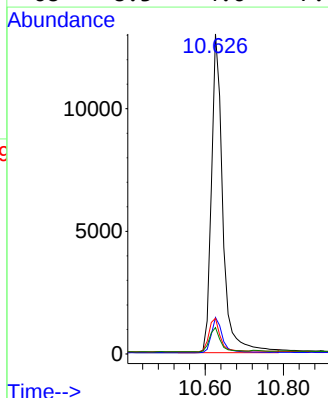
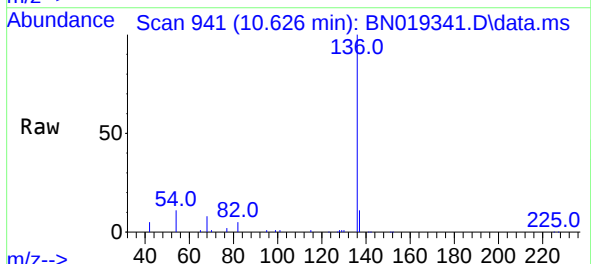
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#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN019341.D
Acq: 05 Apr 2022 06:34

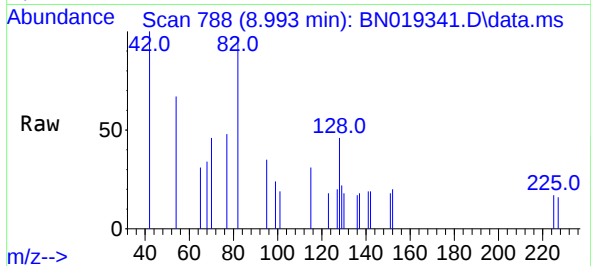
Tgt Ion:136 Resp: 26315
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.4
54 11.2 5.8 8.6#
68 8.3 4.6 7.0#





#8
Nitrobenzene-d5
Concen: 0.027 ng
RT: 8.993 min Scan# 787
Delta R.T. 0.011 min
Lab File: BN019341.D
Acq: 05 Apr 2022 06:34

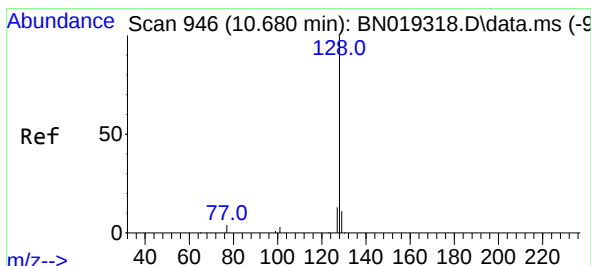
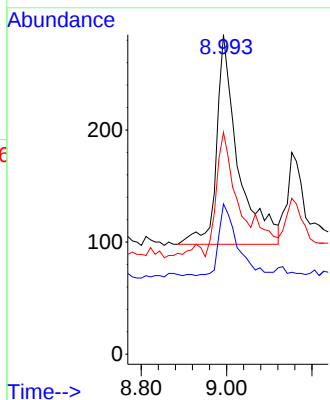
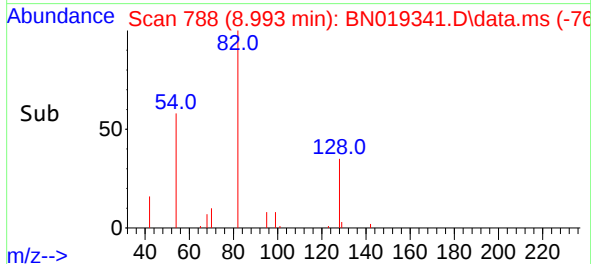
Instrument :
BNA_N
ClientSampleId :
DUP-0401



Tgt Ion: 82 Resp: 650
Ion Ratio Lower Upper
82 100
128 47.0 33.0 49.6
54 69.5 42.5 63.7

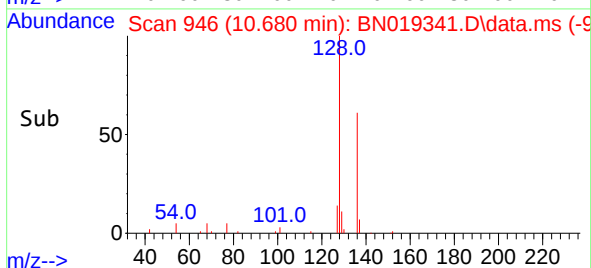
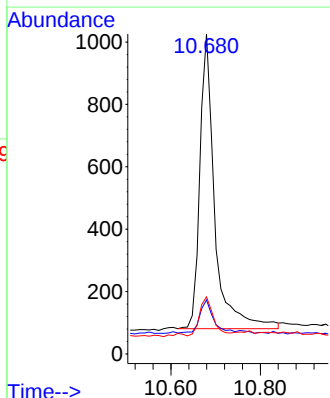
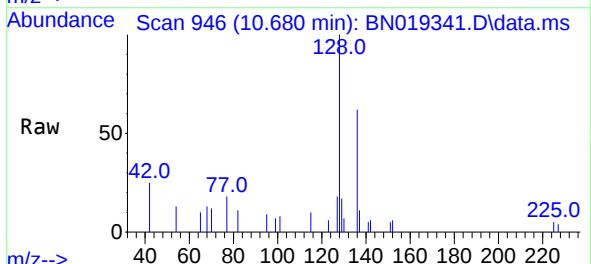
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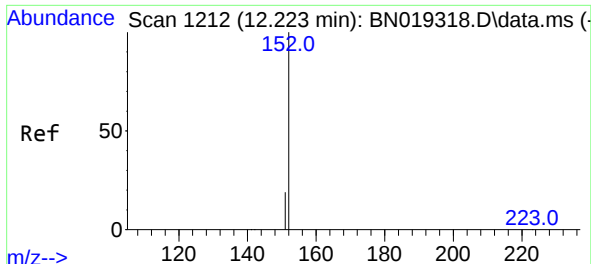
Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022



#9
Naphthalene
Concen: 0.028 ng
RT: 10.680 min Scan# 946
Delta R.T. 0.000 min
Lab File: BN019341.D
Acq: 05 Apr 2022 06:34

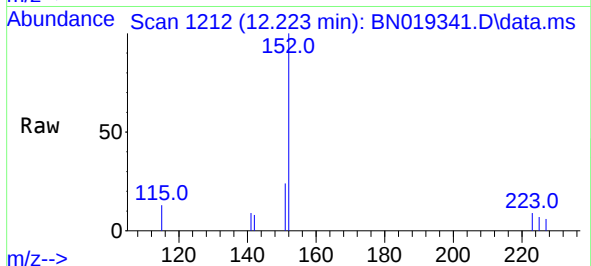
Tgt Ion:128 Resp: 2183
Ion Ratio Lower Upper
128 100
129 16.9 9.0 13.4#
127 17.8 10.7 16.1#





#11
2-Methylnaphthalene-d10
Concen: 0.033 ng
RT: 12.223 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN019341.D
Acq: 05 Apr 2022 06:34

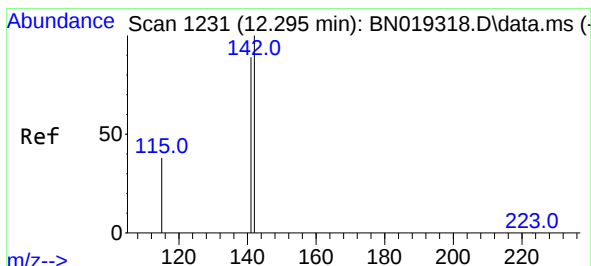
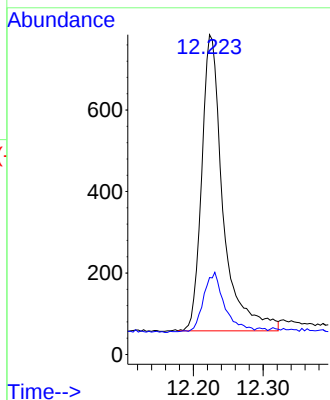
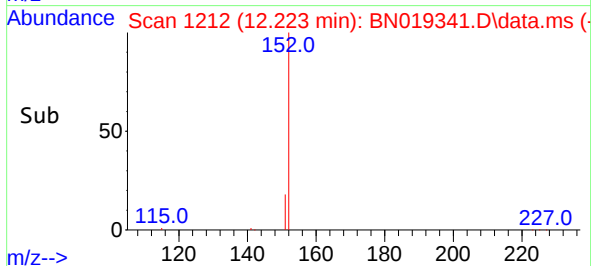
Instrument :
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ClientSampleId :
DUP-0401



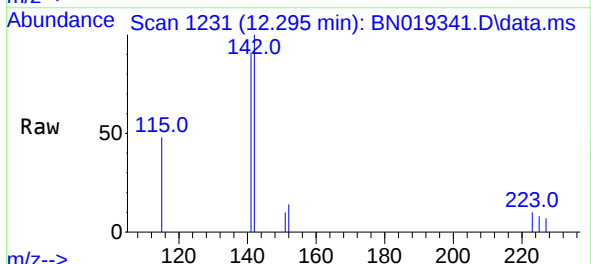
Tgt Ion:152 Resp: 1544
Ion Ratio Lower Upper
152 100
151 19.6 16.5 24.7

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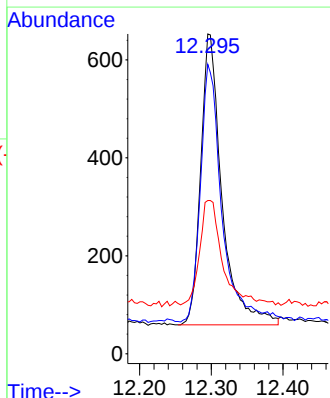
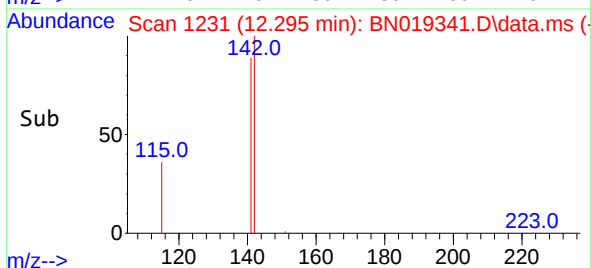
Reviewed By :Christian Giraldo 04/05/2022
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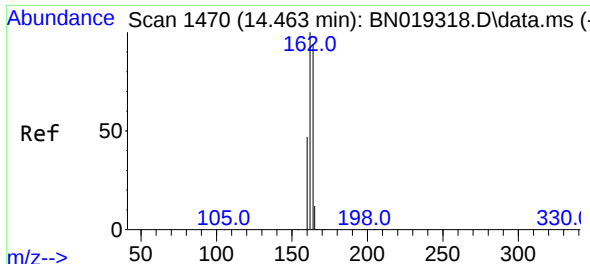


#12
2-Methylnaphthalene
Concen: 0.023 ng
RT: 12.295 min Scan# 1231
Delta R.T. 0.000 min
Lab File: BN019341.D
Acq: 05 Apr 2022 06:34



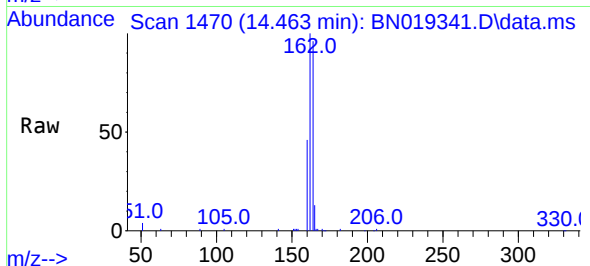
Tgt Ion:142 Resp: 1229
Ion Ratio Lower Upper
142 100
141 90.5 70.0 105.0
115 47.9 29.8 44.8#





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.463 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BN019341.D
Acq: 05 Apr 2022 06:34

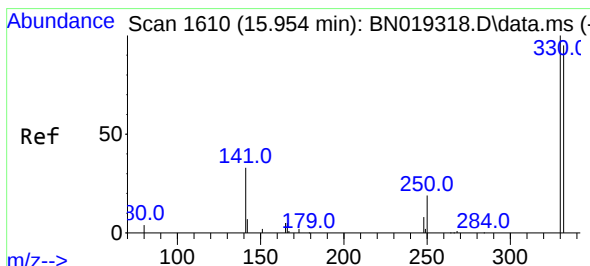
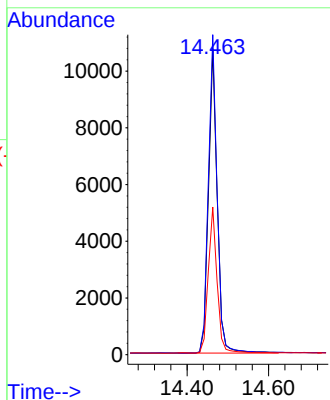
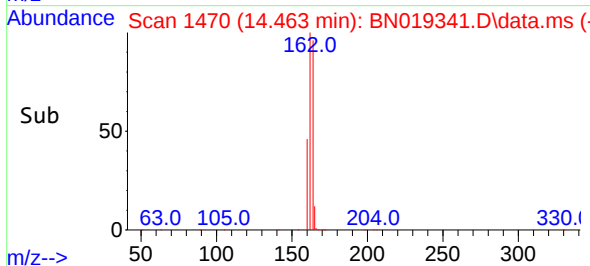
Instrument :
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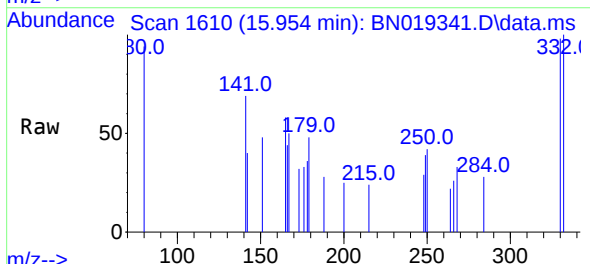
Tgt Ion:164 Resp: 16129
Ion Ratio Lower Upper
164 100
162 104.6 85.2 127.8
160 48.3 41.5 62.3

Manual Integrations
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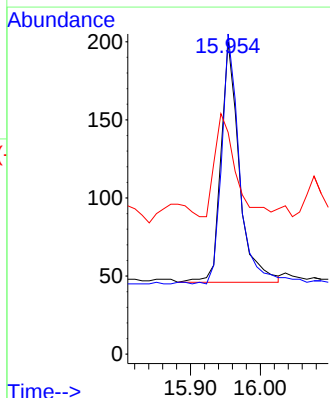
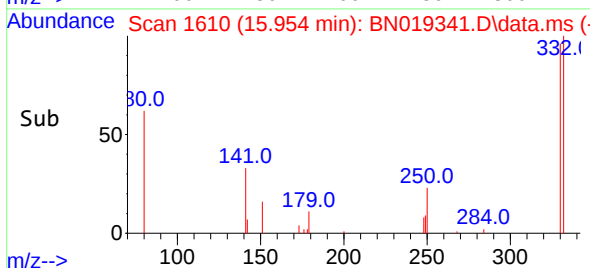
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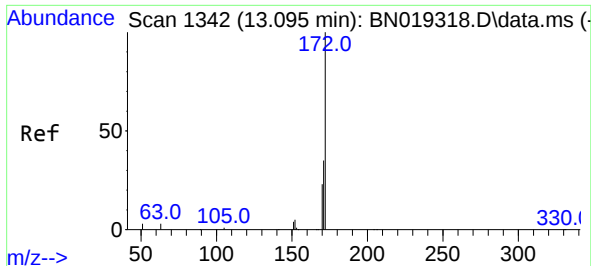


#14
2,4,6-Tribromophenol
Concen: 0.029 ng
RT: 15.954 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BN019341.D
Acq: 05 Apr 2022 06:34



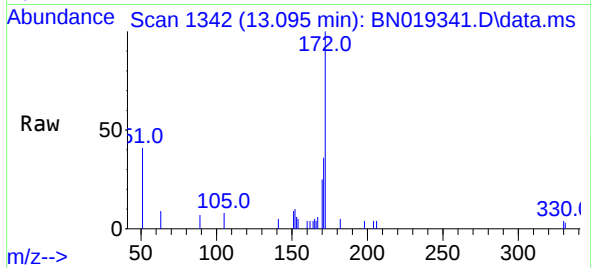
Tgt Ion:330 Resp: 281
Ion Ratio Lower Upper
330 100
332 102.1 76.8 115.2
141 47.7 32.2 48.2





#15
2-Fluorobiphenyl
Concen: 0.033 ng
RT: 13.095 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN019341.D
Acq: 05 Apr 2022 06:34

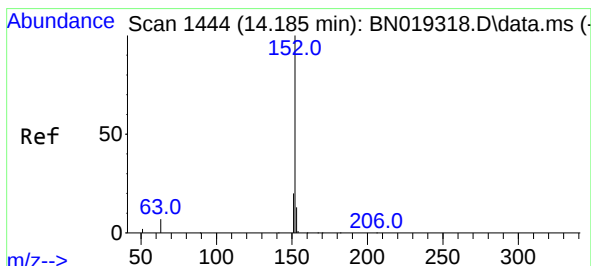
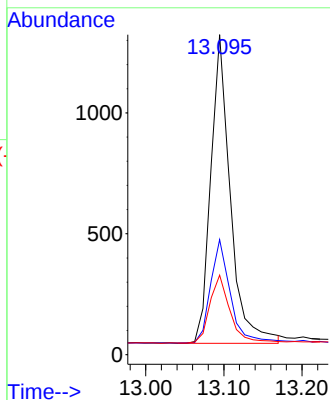
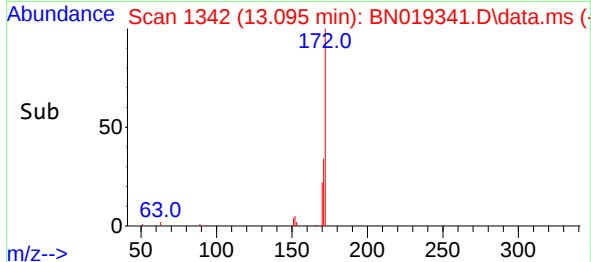
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Tgt Ion:	172	Resp:	2220
Ion Ratio	Lower	Upper	
172	100		
171	36.0	28.2	42.2
170	24.8	18.7	28.1

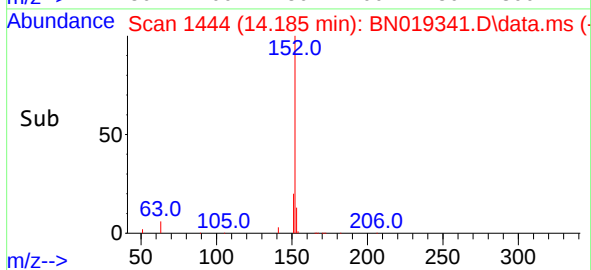
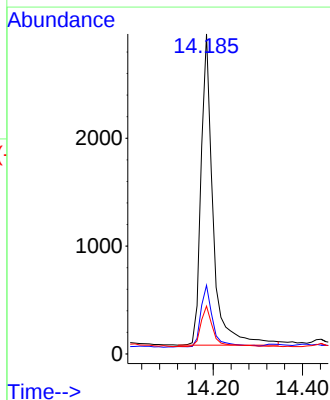
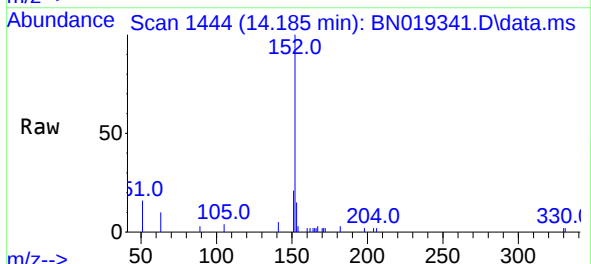
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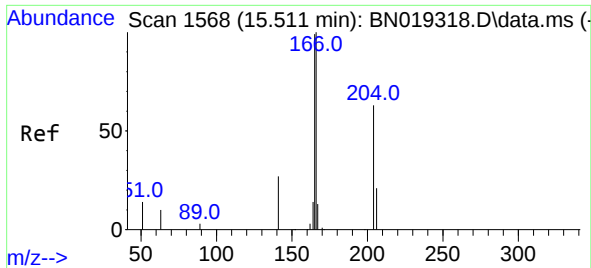
Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022



#16
Acenaphthylene
Concen: 0.067 ng
RT: 14.185 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN019341.D
Acq: 05 Apr 2022 06:34

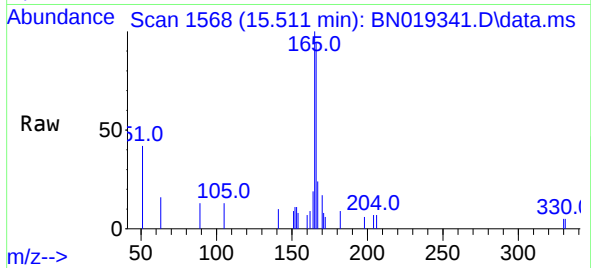
Tgt Ion:	152	Resp:	5372
Ion Ratio	Lower	Upper	
152	100		
151	20.6	15.9	23.9
153	13.5	10.6	15.8





#18
Fluorene
Concen: 0.020 ng
RT: 15.511 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BN019341.D
Acq: 05 Apr 2022 06:34

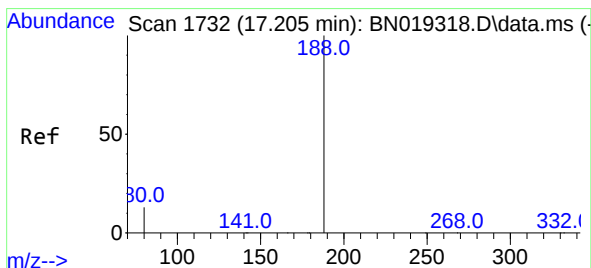
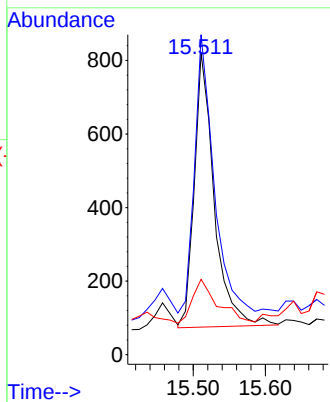
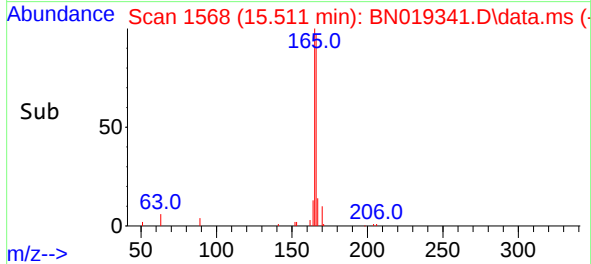
Instrument :
BNA_N
ClientSampleId :
DUP-0401



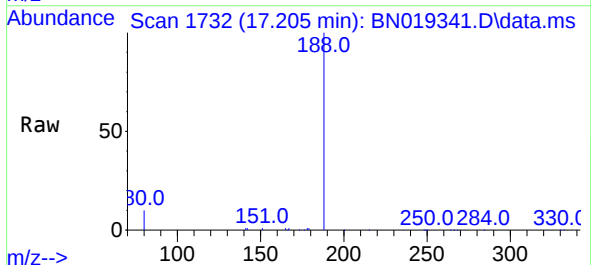
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Ion Ratio Lower Upper
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167 20.1 10.7 16.1

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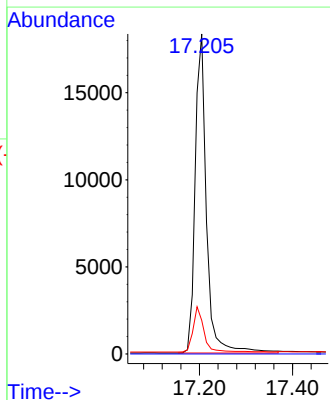
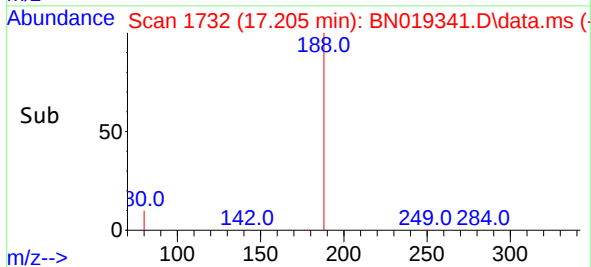
Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022

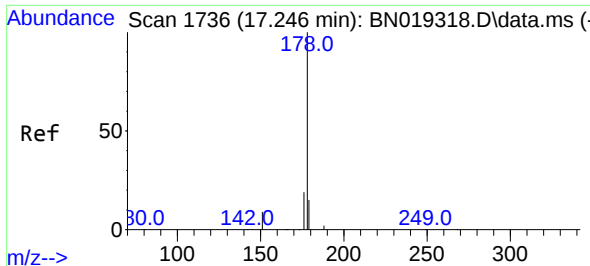


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.205 min Scan# 1732
Delta R.T. 0.000 min
Lab File: BN019341.D
Acq: 05 Apr 2022 06:34



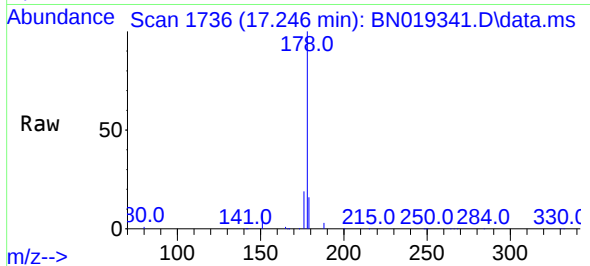
Tgt Ion:188 Resp: 30981
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.5 11.8 17.8





#25
Phenanthrene
Concen: 0.350 ng
RT: 17.246 min Scan# 1736
Delta R.T. 0.000 min
Lab File: BN019341.D
Acq: 05 Apr 2022 06:34

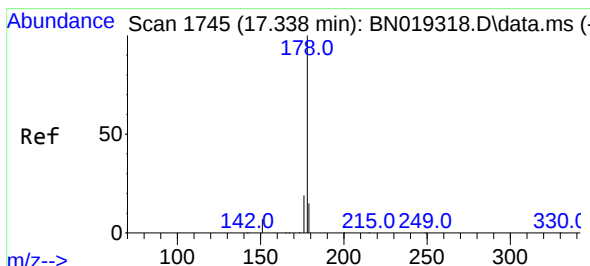
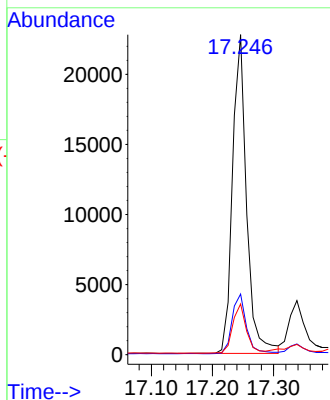
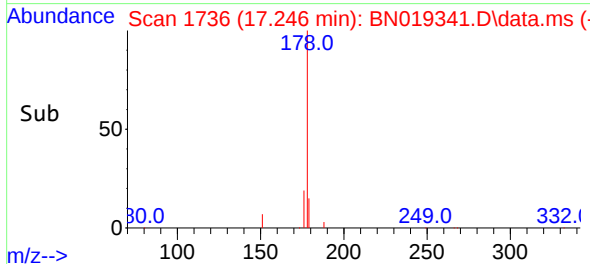
Instrument :
BNA_N
ClientSampleId :
DUP-0401



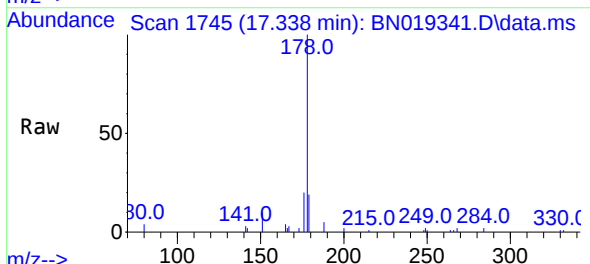
Tgt Ion:178 Resp: 36390
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.2 12.2 18.2

Manual Integrations
APPROVED

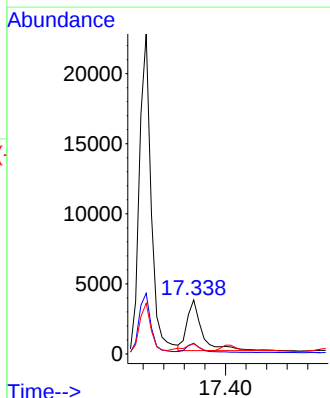
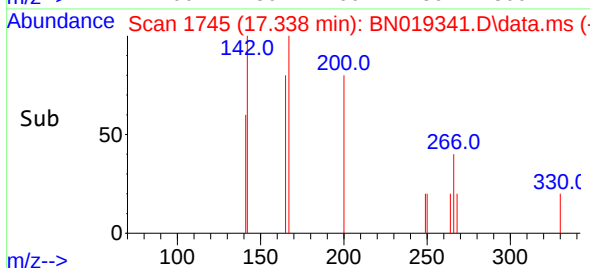
Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022

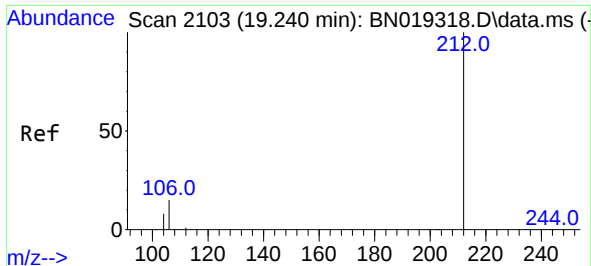


#26
Anthracene
Concen: 0.080 ng
RT: 17.338 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BN019341.D
Acq: 05 Apr 2022 06:34



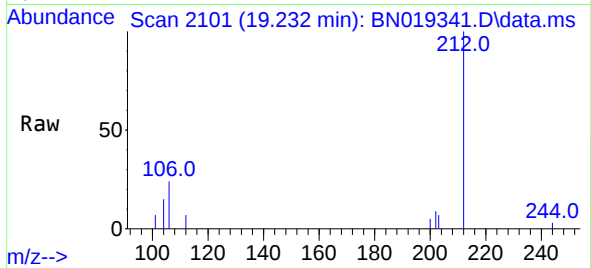
Tgt Ion:178 Resp: 7281
Ion Ratio Lower Upper
178 100
176 17.4 14.8 22.2
179 13.5 12.2 18.4





#27
Fluoranthene-d10
Concen: 0.027 ng
RT: 19.232 min Scan# 2109
Delta R.T. -0.008 min
Lab File: BN019341.D
Acq: 05 Apr 2022 06:34

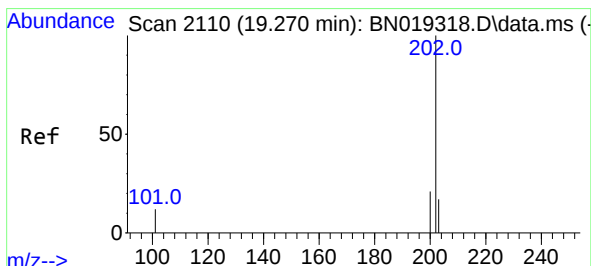
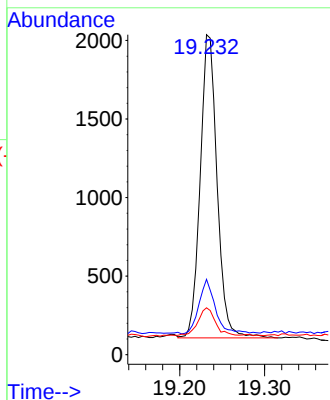
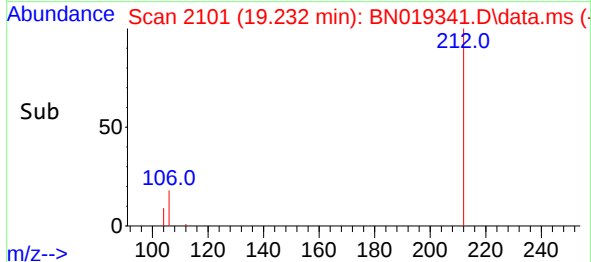
Instrument :
BNA_N
ClientSampleId :
DUP-0401



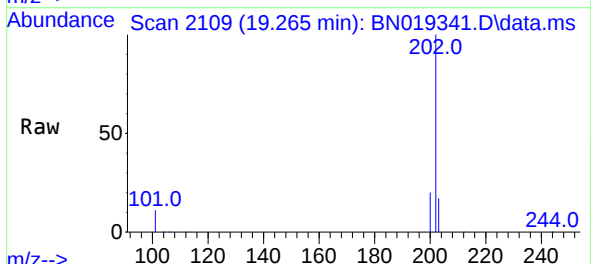
Tgt Ion:212 Resp: 2670
Ion Ratio Lower Upper
212 100
106 17.6 12.7 19.1
104 9.9 7.1 10.7

Manual Integrations
APPROVED

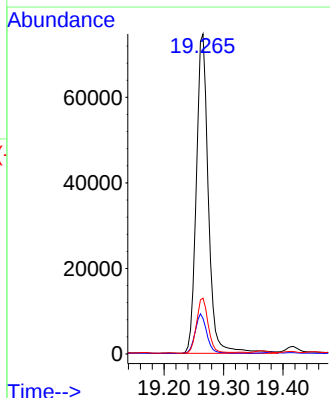
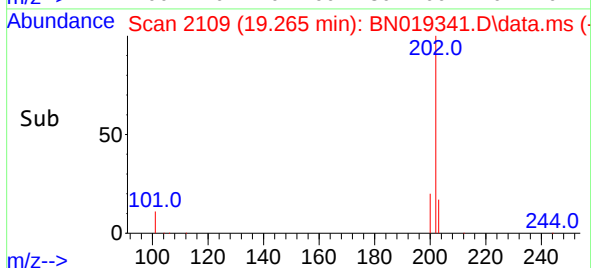
Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022

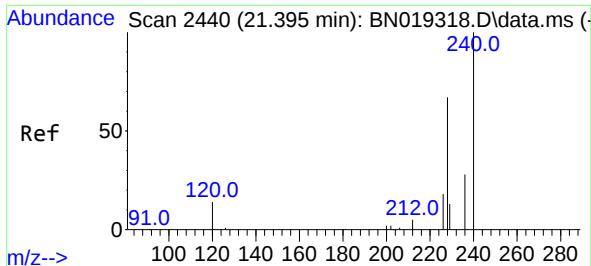


#28
Fluoranthene
Concen: 0.856 ng
RT: 19.265 min Scan# 2109
Delta R.T. -0.004 min
Lab File: BN019341.D
Acq: 05 Apr 2022 06:34



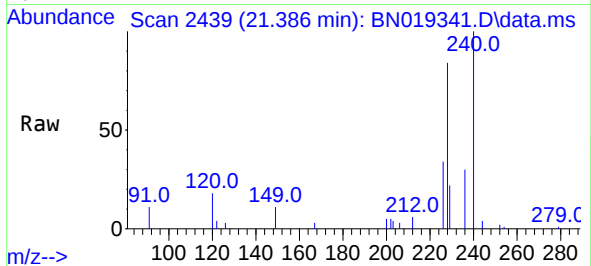
Tgt Ion:202 Resp: 105572
Ion Ratio Lower Upper
202 100
101 12.1 9.8 14.6
203 16.9 13.7 20.5





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.386 min Scan# 2439
Delta R.T. -0.009 min
Lab File: BN019341.D
Acq: 05 Apr 2022 06:34

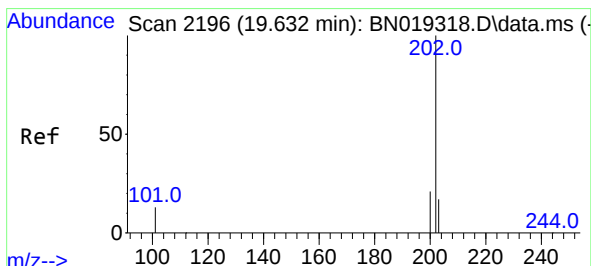
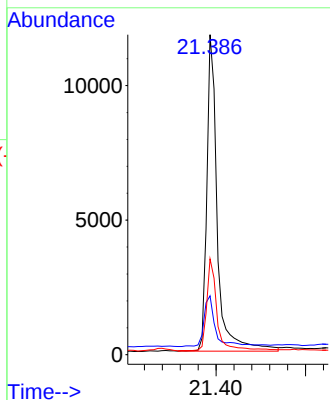
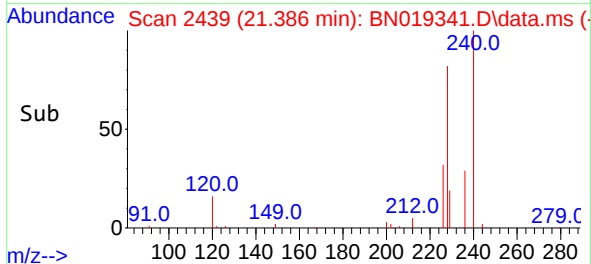
Instrument :
BNA_N
ClientSampleId :
DUP-0401



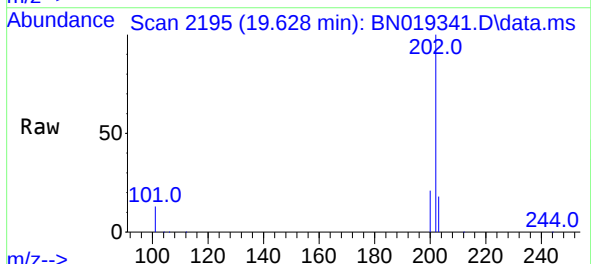
Tgt Ion:240 Resp: 1915
Ion Ratio Lower Upper
240 100
120 18.4 8.5 12.7
236 29.9 22.4 33.6

Manual Integrations
APPROVED

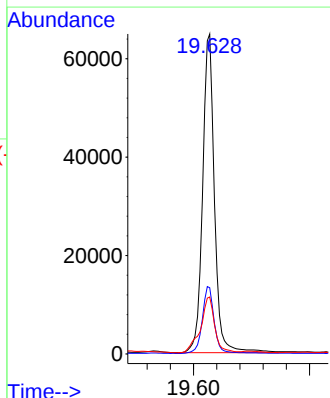
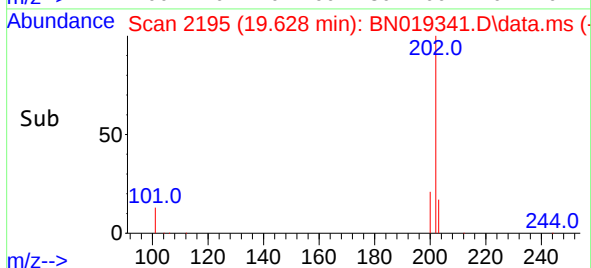
Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022

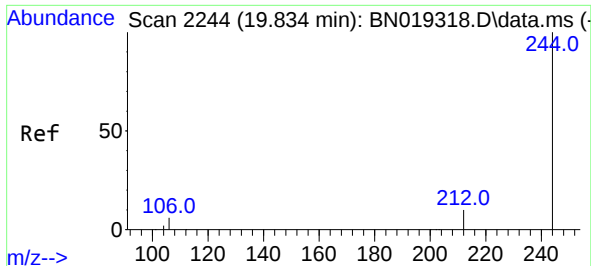


#30
Pyrene
Concen: 1.033 ng
RT: 19.628 min Scan# 2195
Delta R.T. -0.004 min
Lab File: BN019341.D
Acq: 05 Apr 2022 06:34



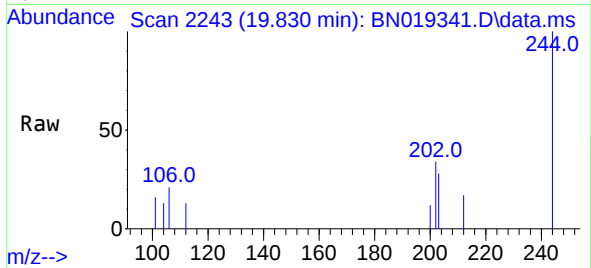
Tgt Ion:202 Resp: 92105
Ion Ratio Lower Upper
202 100
200 21.2 16.9 25.3
203 20.9 14.2 21.2





#31
Terphenyl-d14
Concen: 0.038 ng
RT: 19.830 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN019341.D
Acq: 05 Apr 2022 06:34

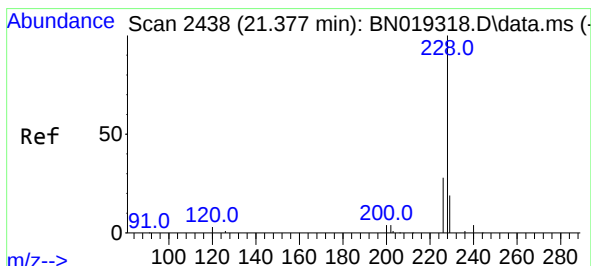
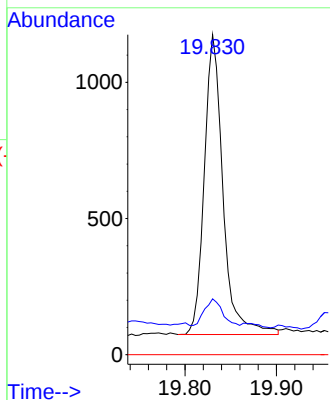
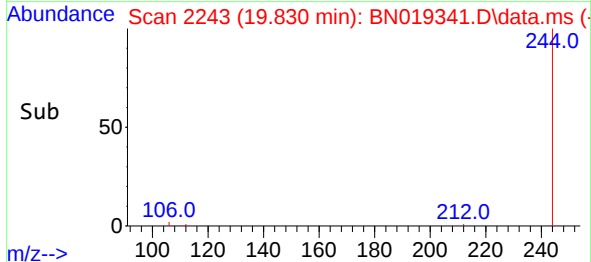
Instrument :
BNA_N
ClientSampleId :
DUP-0401



Tgt Ion:244 Resp: 1568
Ion Ratio Lower Upper
244 100
212 17.4 8.2 12.4
122 0.0 0.0 0.0

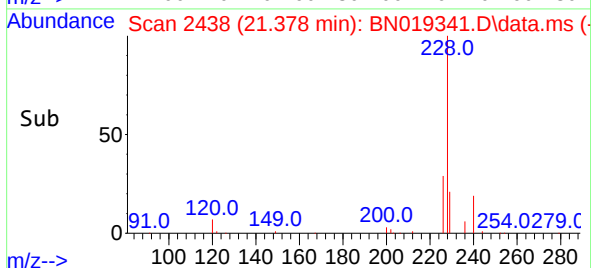
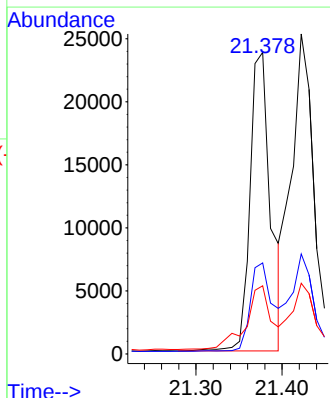
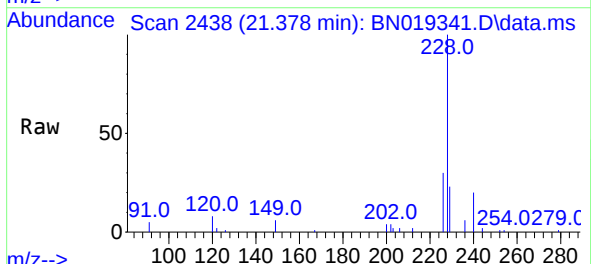
Manual Integrations
APPROVED

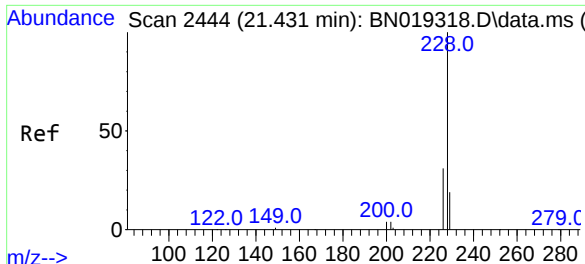
Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022



#32
Benzo(a)anthracene
Concen: 0.557 ng
RT: 21.378 min Scan# 2438
Delta R.T. 0.000 min
Lab File: BN019341.D
Acq: 05 Apr 2022 06:34

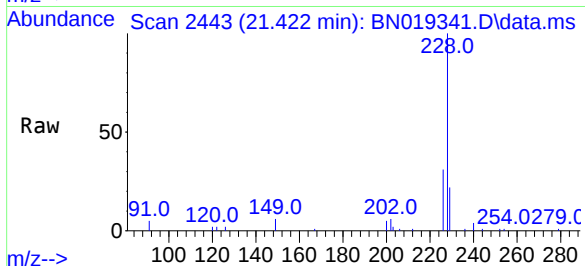
Tgt Ion:228 Resp: 39463
Ion Ratio Lower Upper
228 100
226 30.2 21.9 32.9
229 22.6 16.0 24.0





#33
Chrysene
Concen: 0.567 ng
RT: 21.422 min Scan# 2443
Delta R.T. -0.009 min
Lab File: BN019341.D
Acq: 05 Apr 2022 06:34

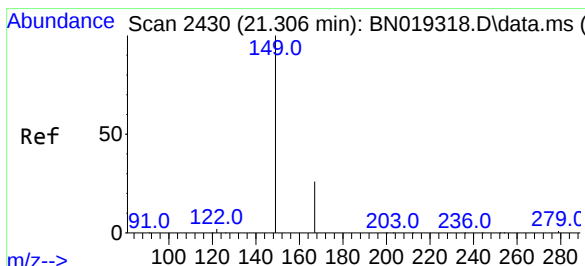
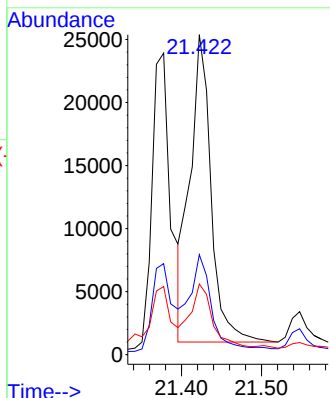
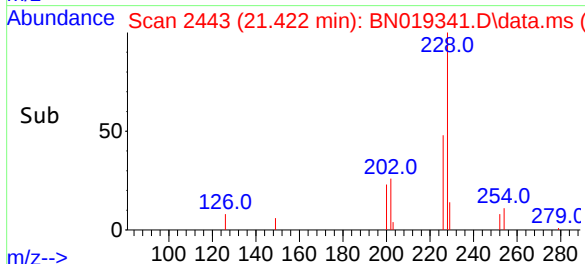
Instrument :
BNA_N
ClientSampleId :
DUP-0401



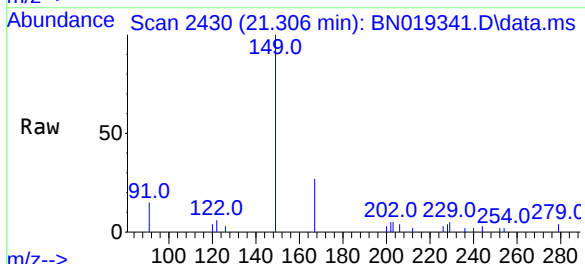
Tgt Ion: 228 Resp: 4463
Ion Ratio Lower Upper
228 100
226 31.2 24.0 36.0
229 22.1 15.9 23.9

Manual Integrations
APPROVED

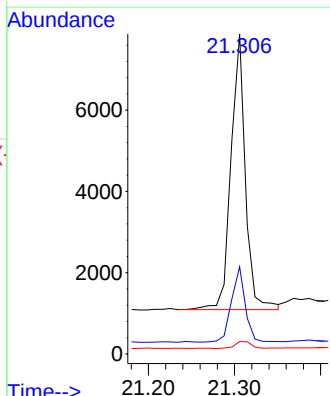
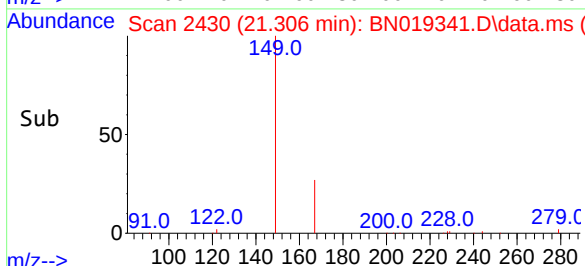
Reviewed By : Christian Giraldo 04/05/2022
Supervised By : Jagrut Upadhyay 04/05/2022

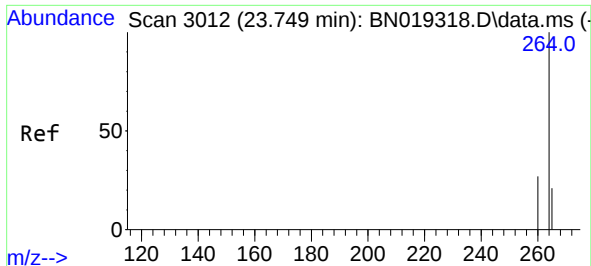


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.150 ng
RT: 21.306 min Scan# 2430
Delta R.T. 0.000 min
Lab File: BN019341.D
Acq: 05 Apr 2022 06:34



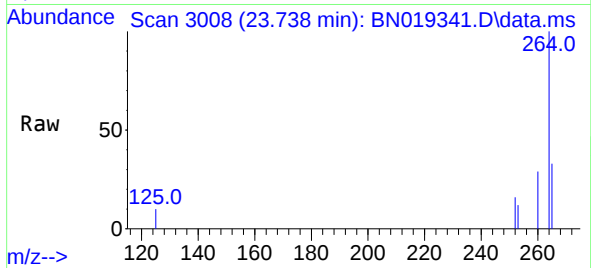
Tgt Ion: 149 Resp: 7904
Ion Ratio Lower Upper
149 100
167 26.1 21.8 32.8
279 2.9 2.0 3.0





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.738 min Scan# 3012
Delta R.T. -0.012 min
Lab File: BN019341.D
Acq: 05 Apr 2022 06:34

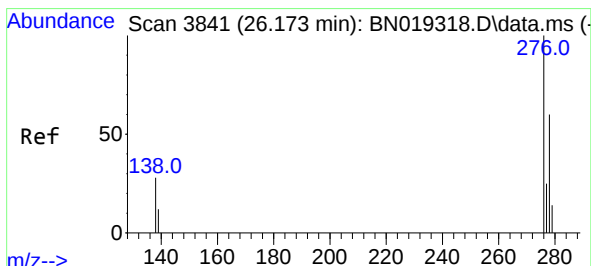
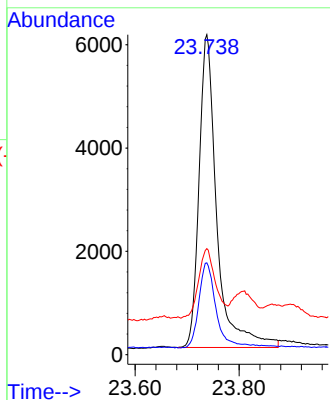
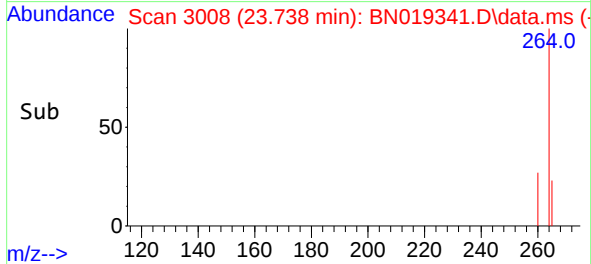
Instrument :
BNA_N
ClientSampleId :
DUP-0401



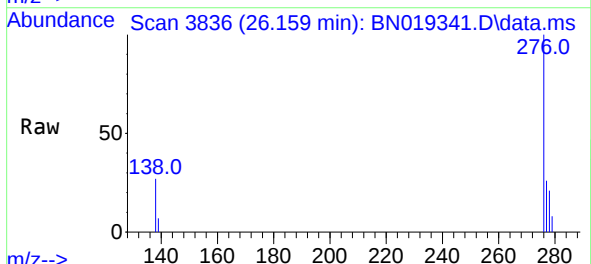
Tgt Ion:264 Resp: 1432
Ion Ratio Lower Upper
264 100
260 28.7 22.4 33.6
265 33.1 25.3 37.9

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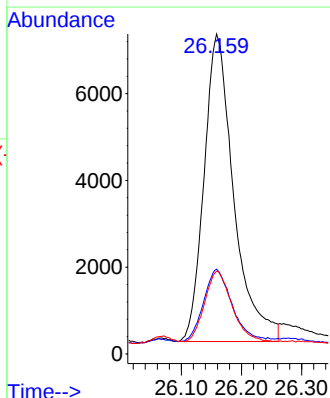
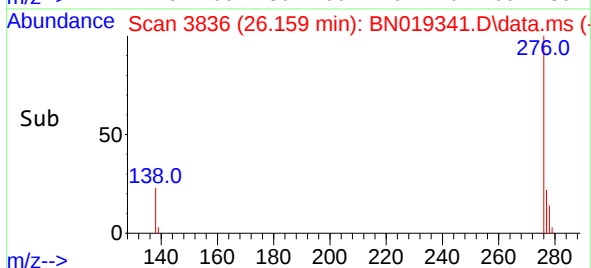
Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022

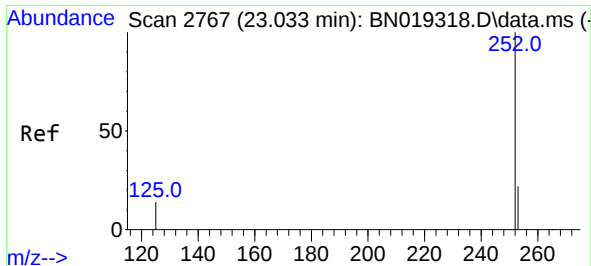


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.405 ng
RT: 26.159 min Scan# 3836
Delta R.T. -0.015 min
Lab File: BN019341.D
Acq: 05 Apr 2022 06:34



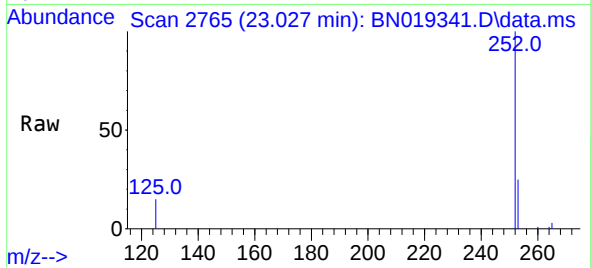
Tgt Ion:276 Resp: 24276
Ion Ratio Lower Upper
276 100
138 22.4 24.5 36.7#
277 20.9 19.8 29.8





#37
Benzo(b)fluoranthene
Concen: 0.952 ng
RT: 23.027 min Scan# 21
Delta R.T. -0.006 min
Lab File: BN019341.D
Acq: 05 Apr 2022 06:34

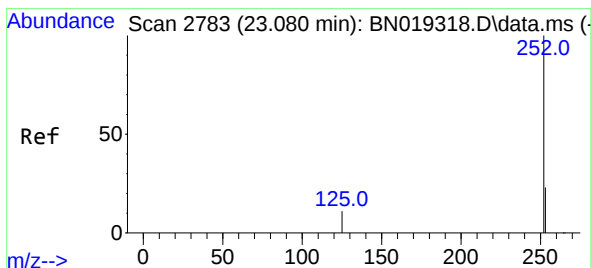
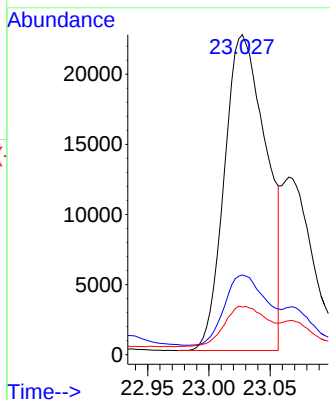
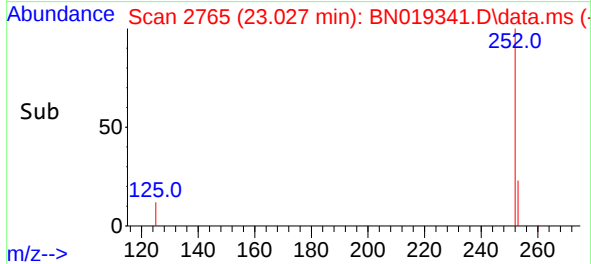
Instrument :
BNA_N
ClientSampleId :
DUP-0401



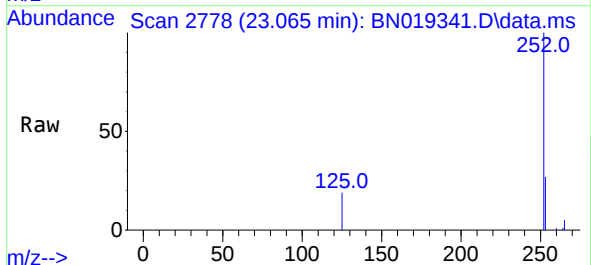
Tgt Ion:252 Resp: 53440
Ion Ratio Lower Upper
252 100
253 24.9 18.9 28.3
125 14.9 12.1 18.1

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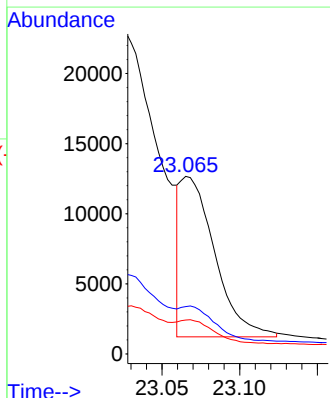
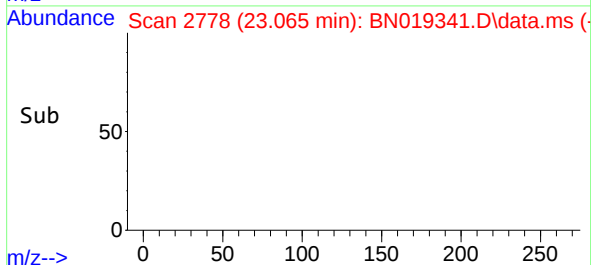
Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022

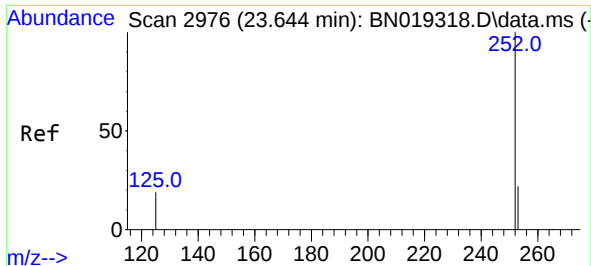


#38
Benzo(k)fluoranthene
Concen: 0.301 ng m
RT: 23.065 min Scan# 2778
Delta R.T. -0.015 min
Lab File: BN019341.D
Acq: 05 Apr 2022 06:34



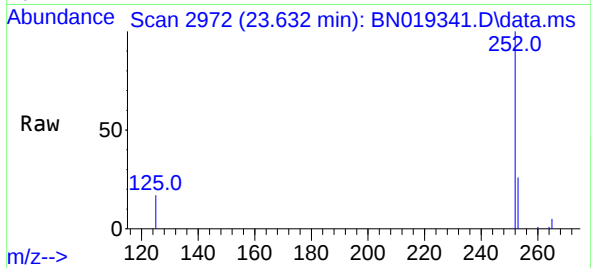
Tgt Ion:252 Resp: 17664
Ion Ratio Lower Upper
252 100
253 26.7 18.9 28.3
125 19.1 10.3 15.5#





#39
Benzo(a)pyrene
Concen: 0.632 ng
RT: 23.632 min Scan# 2972
Delta R.T. -0.012 min
Lab File: BN019341.D
Acq: 05 Apr 2022 06:34

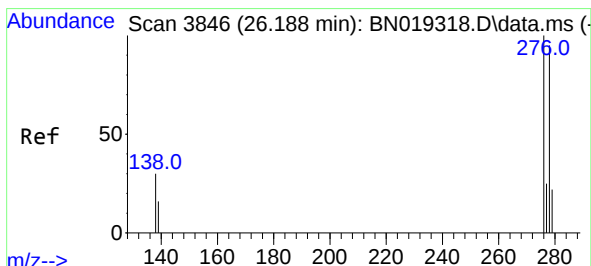
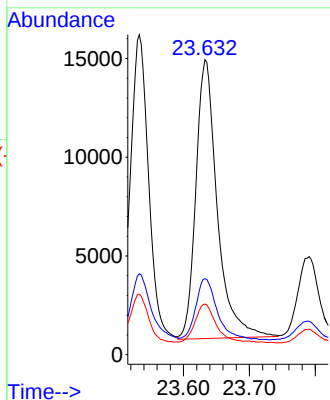
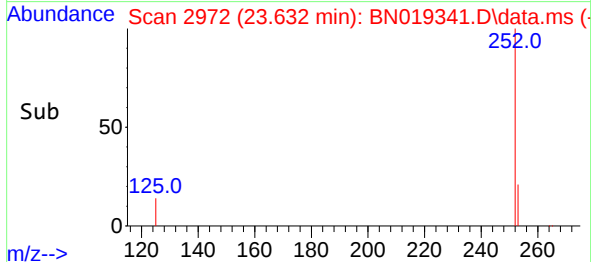
Instrument :
BNA_N
ClientSampleId :
DUP-0401



Tgt Ion:252 Resp: 3185
Ion Ratio Lower Upper
252 100
253 25.7 20.1 30.1
125 17.1 15.2 22.8

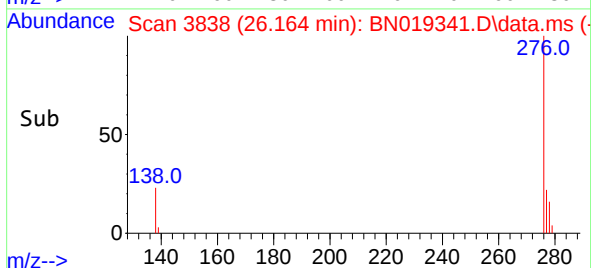
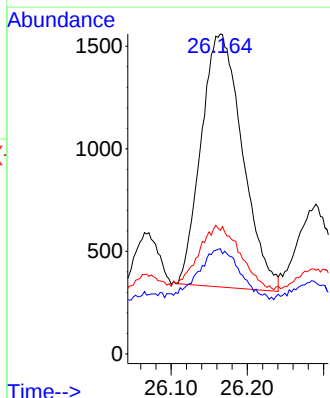
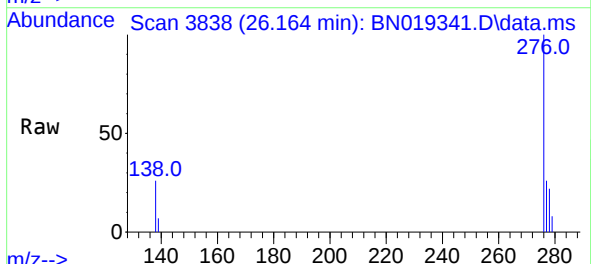
Manual Integrations
APPROVED

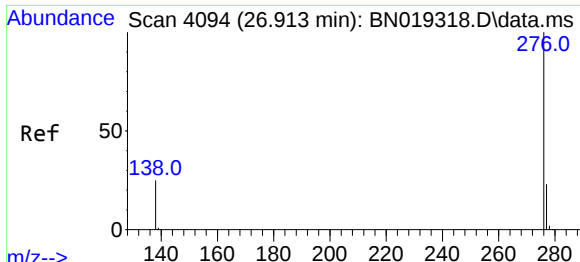
Reviewed By :Christian Giraldo 04/05/2022
Supervised By :Jagrut Upadhyay 04/05/2022



#40
Dibenzo(a,h)anthracene
Concen: 0.100 ng
RT: 26.164 min Scan# 3838
Delta R.T. -0.023 min
Lab File: BN019341.D
Acq: 05 Apr 2022 06:34

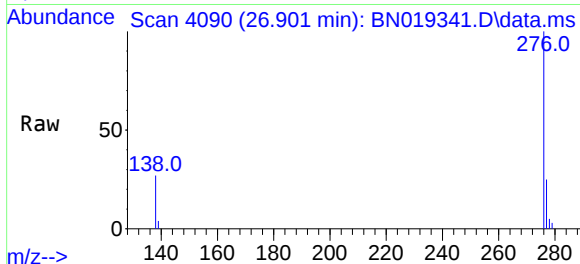
Tgt Ion:278 Resp: 4645
Ion Ratio Lower Upper
278 100
139 32.9 17.2 25.8#
279 38.7 19.9 29.9#





#41
 Benzo(g,h,i)perylene
 Concen: 0.518 ng
 RT: 26.901 min Scan# 4090
 Delta R.T. -0.012 min
 Lab File: BN019341.D
 Acq: 05 Apr 2022 06:34

Instrument :
 BNA_N
 ClientSampleId :
 DUP-0401



Tgt Ion: 276 Resp: 28789

Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.4	29.0
138	26.5	21.0	31.6

Manual Integrations
 APPROVED

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

