

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN032122\
 Data File : BN019027.D
 Acq On : 21 Mar 2022 17:54
 Operator : CG/JU
 Sample : N2007-01 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SP1

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/22/2022
 Supervised By : Jagrut Upadhyay 03/23/2022

Quant Time: Mar 22 02:31:20 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 17 13:18:23 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.854	152	7181	0.400	ng	0.00
7) Naphthalene-d8	10.658	136	19658	0.400	ng	# 0.00
13) Acenaphthene-d10	14.495	164	11564	0.400	ng	0.00
19) Phenanthrene-d10	17.226	188	21094	0.400	ng	-0.01
29) Chrysene-d12	21.413	240	13743	0.400	ng	# 0.00
35) Perylene-d12	23.782	264	12933	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.406	112	776	0.048	ng	0.00
5) Phenol-d6	7.024	99	595	0.035	ng	0.01
8) Nitrobenzene-d5	9.025	82	447	0.032	ng	0.01
11) 2-Methylnaphthalene-d10	12.253	152	1357	0.042	ng	0.00
14) 2,4,6-Tribromophenol	15.985	330	204	0.037	ng	0.00
15) 2-Fluorobiphenyl	13.127	172	2042	0.044	ng	0.00
27) Fluoranthene-d10	19.261	212	2343	0.037	ng	0.00
31) Terphenyl-d14	19.860	244	1754	0.052	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.712	128	3126	0.056	ng	# 94
12) 2-Methylnaphthalene	12.325	142	2421	0.064	ng	94
16) Acenaphthylene	14.207	152	5371	0.100	ng	99
17) Acenaphthene	14.549	154	9001	0.239	ng	99
18) Fluorene	15.532	166	11180	0.236	ng	98
25) Phenanthrene	17.267	178	191762	2.907	ng	100
26) Anthracene	17.359	178	30095	0.540	ng	97
28) Fluoranthene	19.291	202	270276	3.492	ng	99
30) Pyrene	19.653	202	228842	3.343	ng	97
32) Benzo(a)anthracene	21.396	228	79739	1.883	ng	98
33) Chrysene	21.449	228	84879	1.486	ng	98
34) Bis(2-ethylhexyl)phtha...	21.333	149	9832	0.350	ng	# 99
36) Indeno(1,2,3-cd)pyrene	26.232	276	37079	0.795	ng	# 88
37) Benzo(b)fluoranthene	23.065	252	90676	1.922	ng	96
38) Benzo(k)fluoranthene	23.106	252	33955m	0.525	ng	
39) Benzo(a)pyrene	23.679	252	57163m	1.332	ng	
40) Dibenzo(a,h)anthracene	26.241	278	7472	0.206	ng	# 79
41) Benzo(g,h,i)perylene	26.983	276	44796	0.978	ng	99

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

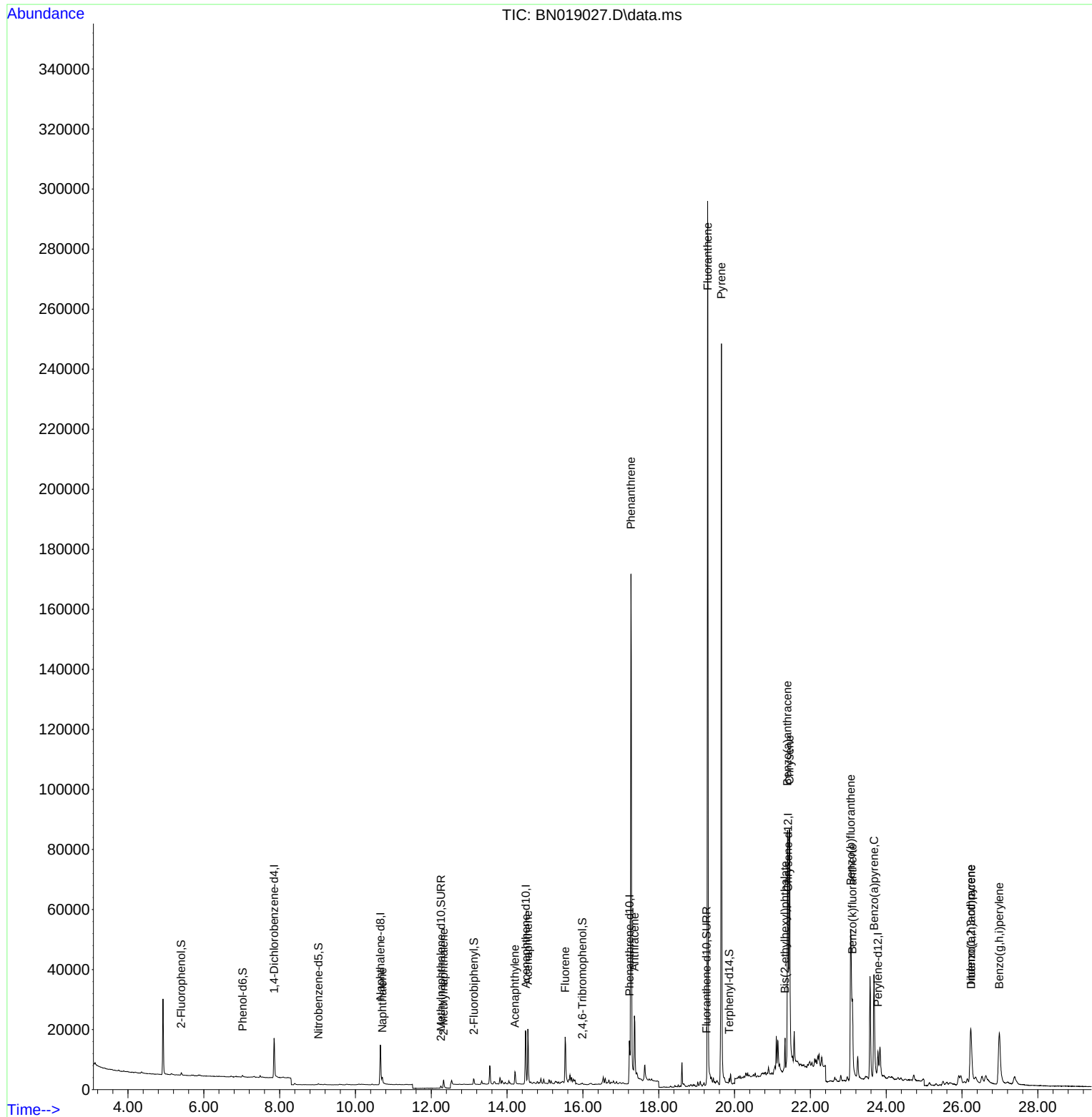
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN032122\
Data File : BN019027.D
Acq On : 21 Mar 2022 17:54
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Misc :
ALS Vial : 11 Sample Multiplier: 1

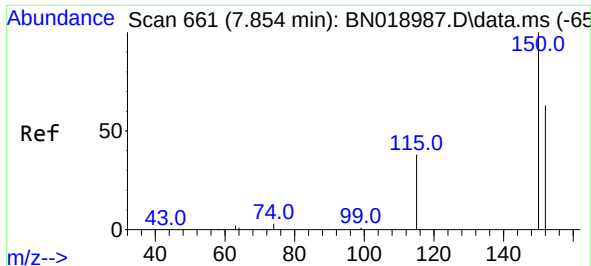
Instrument :
BNA_N
ClientSampleId :
SP1

Manual Integrations
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Supervised By : Jagrut Upadhyay 03/23/2022

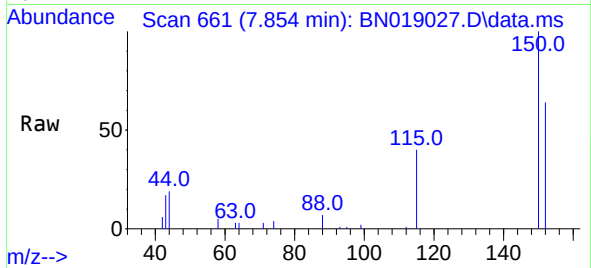
Quant Time: Mar 22 02:31:20 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 17 13:18:23 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.854 min Scan# 661
Delta R.T. 0.000 min
Lab File: BN019027.D
Acq: 21 Mar 2022 17:54

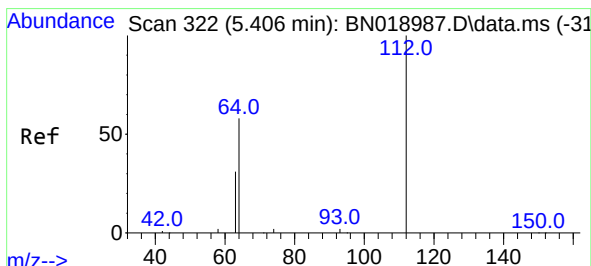
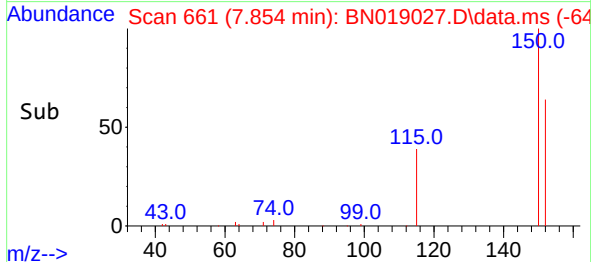
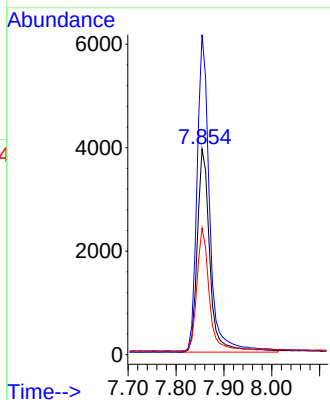
Instrument :
BNA_N
ClientSampleId :
SP1



Tgt Ion:152 Resp: 718
Ion Ratio Lower Upper
152 100
150 155.4 123.9 185.9
115 61.5 48.2 72.4

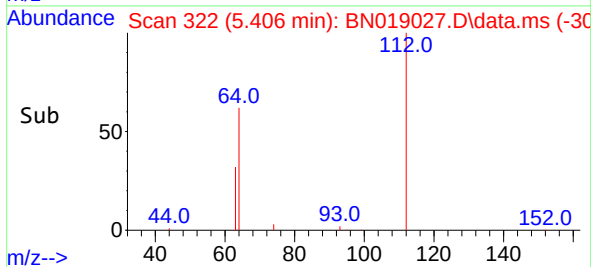
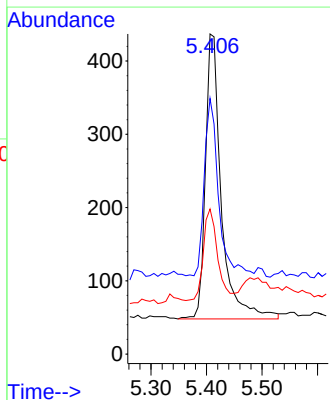
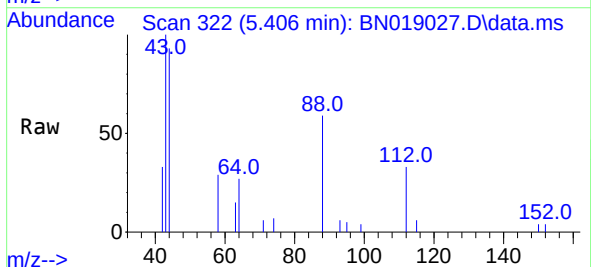
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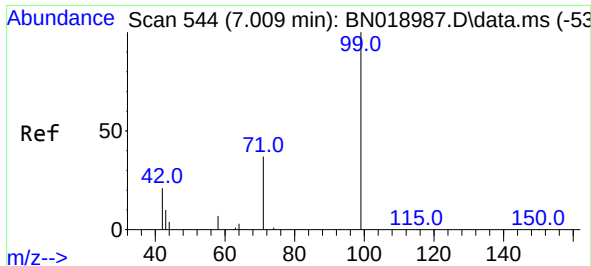
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#4
2-Fluorophenol
Concen: 0.048 ng
RT: 5.406 min Scan# 322
Delta R.T. 0.000 min
Lab File: BN019027.D
Acq: 21 Mar 2022 17:54

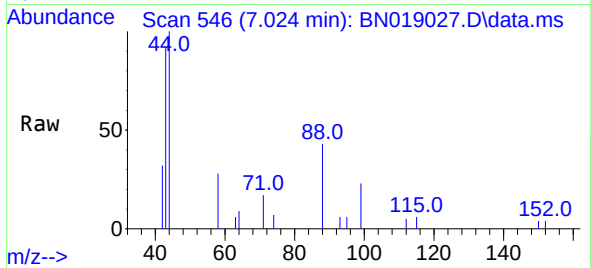
Tgt Ion:112 Resp: 776
Ion Ratio Lower Upper
112 100
64 56.3 47.8 71.8
63 28.9 25.7 38.5





#5
Phenol-d6
Concen: 0.035 ng
RT: 7.024 min Scan# 546
Delta R.T. 0.015 min
Lab File: BN019027.D
Acq: 21 Mar 2022 17:54

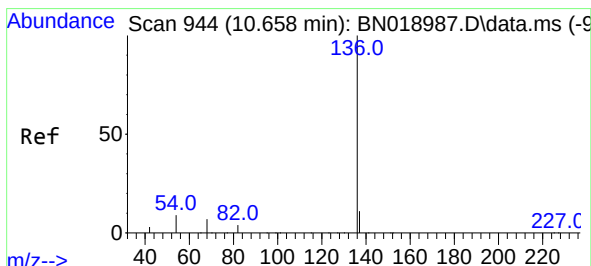
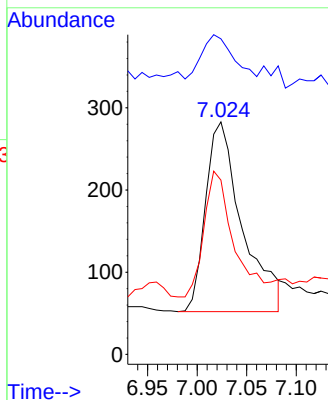
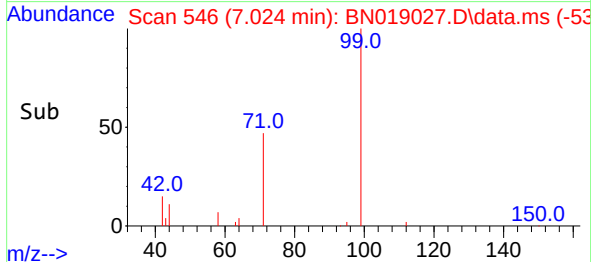
Instrument :
BNA_N
ClientSampleId :
SP1



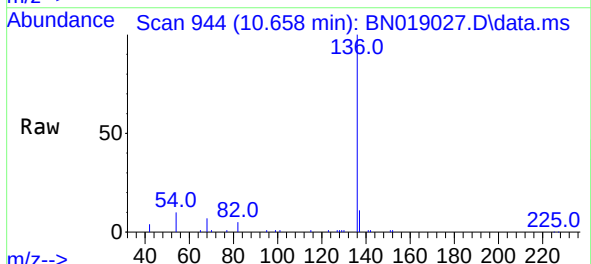
Tgt Ion: 99 Resp: 599
Ion Ratio Lower Upper
99 100
42 19.3 16.2 24.4
71 53.8 27.7 41.5

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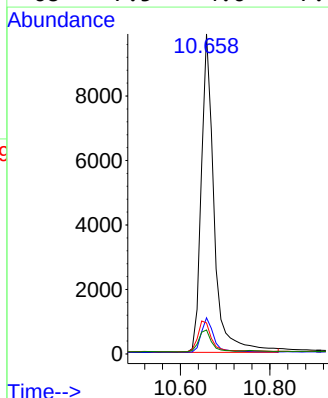
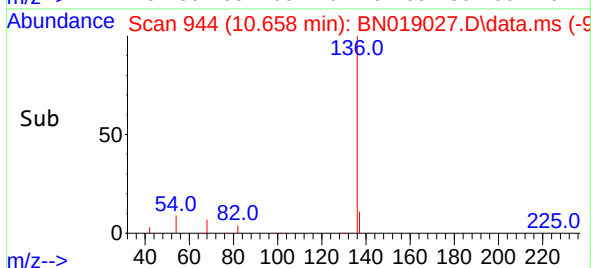
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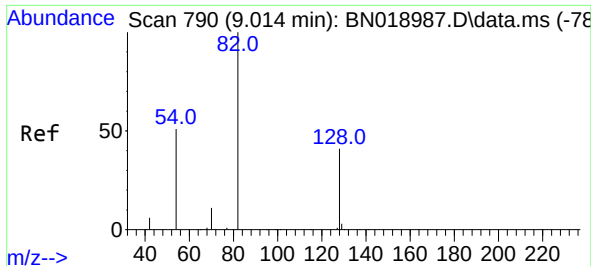


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.658 min Scan# 944
Delta R.T. 0.000 min
Lab File: BN019027.D
Acq: 21 Mar 2022 17:54



Tgt Ion:136 Resp: 19658
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.4
54 9.7 5.8 8.6#
68 7.5 4.6 7.0#





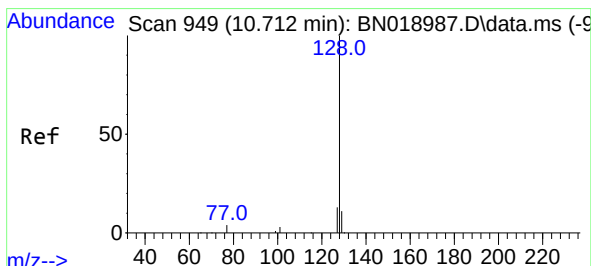
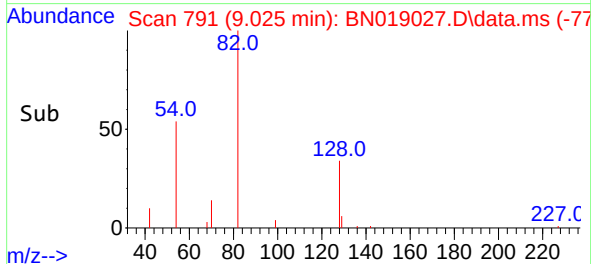
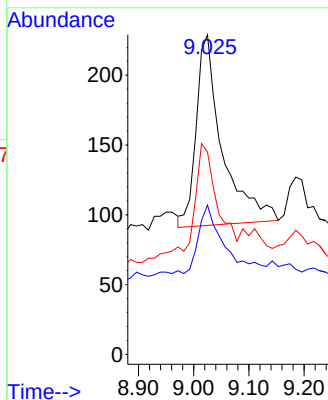
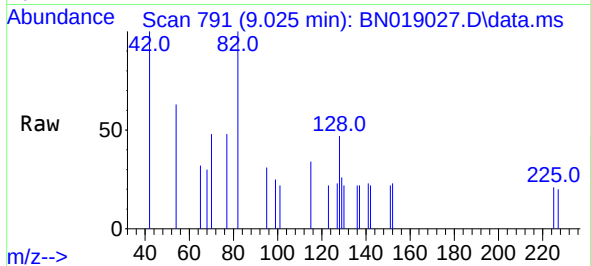
#8
Nitrobenzene-d5
Concen: 0.032 ng
RT: 9.025 min Scan# 791
Delta R.T. 0.011 min
Lab File: BN019027.D
Acq: 21 Mar 2022 17:54

Instrument :
BNA_N
ClientSampleId :
SP1

Tgt Ion: 82 Resp: 44
Ion Ratio Lower Upper
82 100
128 46.7 33.0 49.6
54 63.3 42.5 63.7

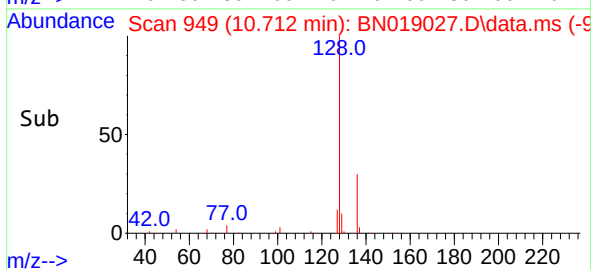
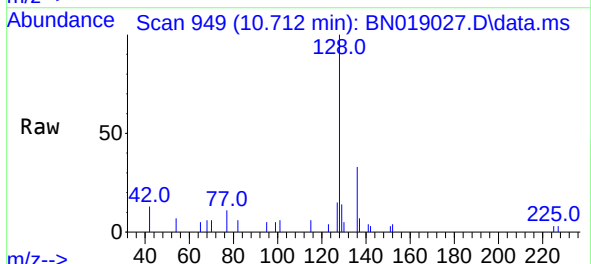
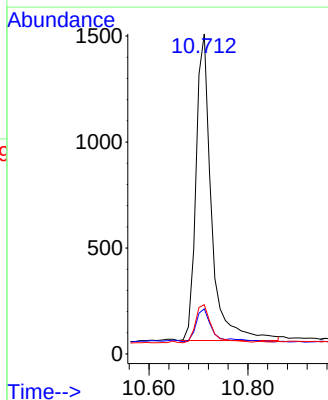
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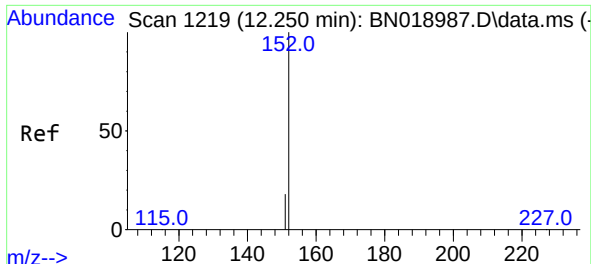
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#9
Naphthalene
Concen: 0.056 ng
RT: 10.712 min Scan# 949
Delta R.T. 0.000 min
Lab File: BN019027.D
Acq: 21 Mar 2022 17:54

Tgt Ion:128 Resp: 3126
Ion Ratio Lower Upper
128 100
129 14.1 9.0 13.4#
127 15.4 10.7 16.1





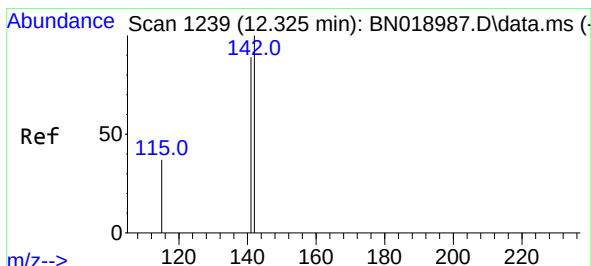
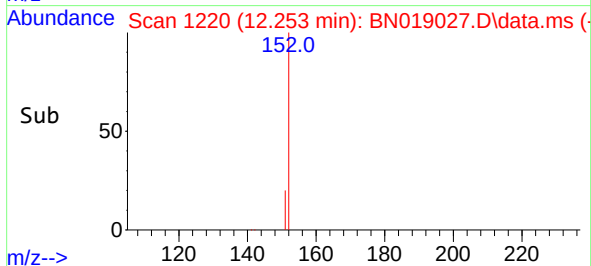
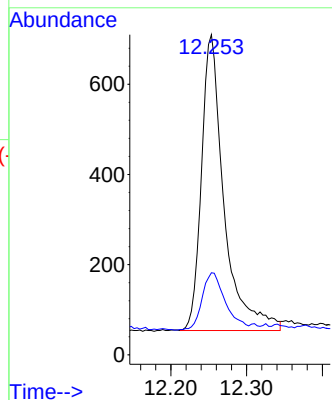
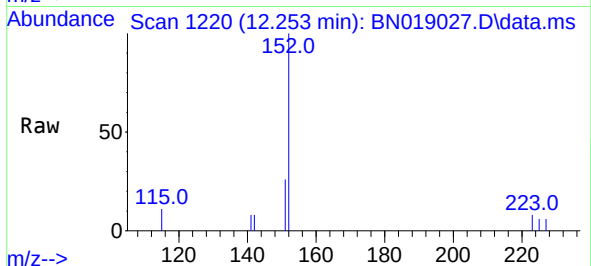
#11
2-Methylnaphthalene-d10
Concen: 0.042 ng
RT: 12.253 min Scan# 11
Delta R.T. 0.004 min
Lab File: BN019027.D
Acq: 21 Mar 2022 17:54

Instrument :
BNA_N
ClientSampleId :
SP1

Tgt Ion:152 Resp: 135
Ion Ratio Lower Upper
152 100
151 20.0 16.5 24.7

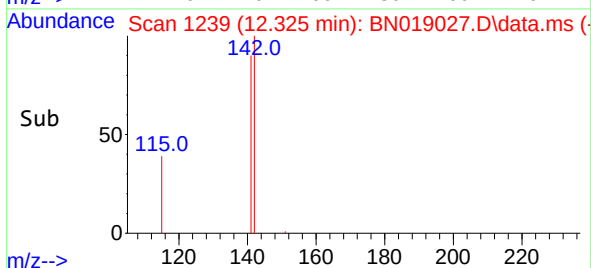
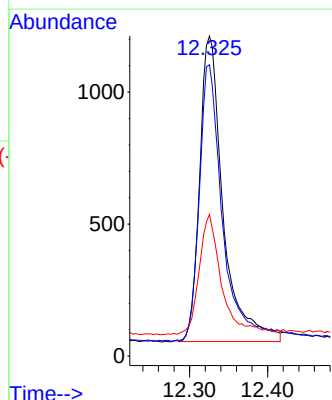
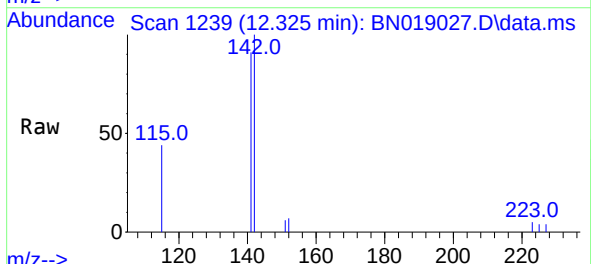
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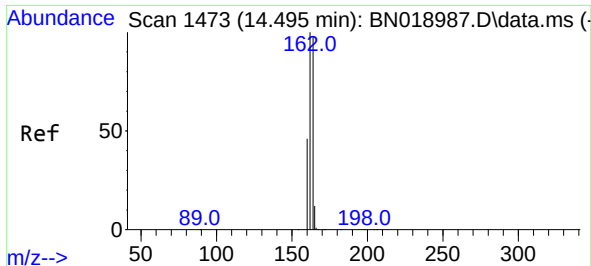
Reviewed By :Christian Giraldo 03/22/2022
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#12
2-Methylnaphthalene
Concen: 0.064 ng
RT: 12.325 min Scan# 1239
Delta R.T. 0.000 min
Lab File: BN019027.D
Acq: 21 Mar 2022 17:54

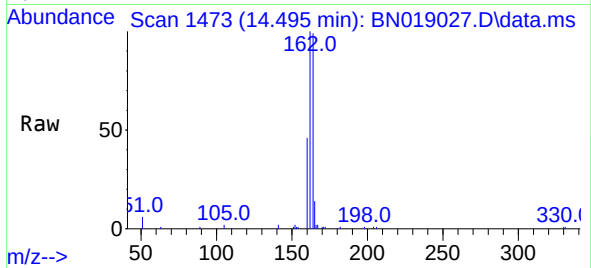
Tgt Ion:142 Resp: 2421
Ion Ratio Lower Upper
142 100
141 91.0 70.0 105.0
115 44.3 29.8 44.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.495 min Scan# 1473
Delta R.T. 0.000 min
Lab File: BN019027.D
Acq: 21 Mar 2022 17:54

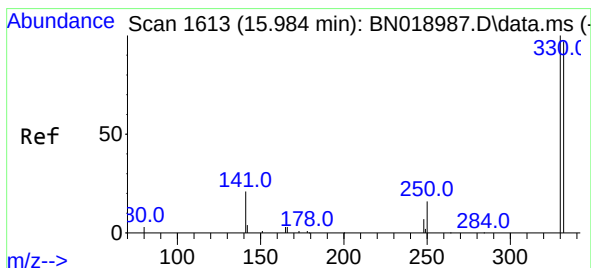
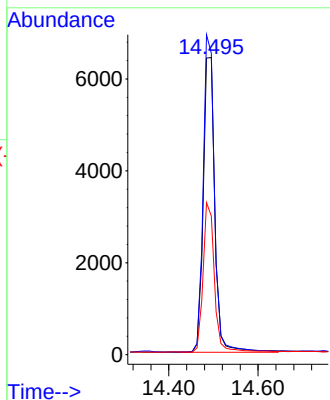
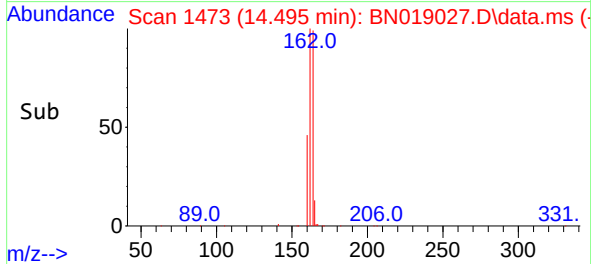
Instrument :
BNA_N
ClientSampleId :
SP1



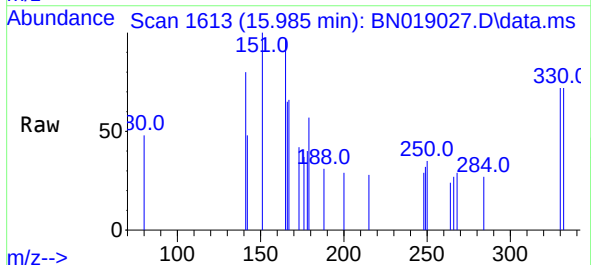
Tgt Ion:164 Resp: 11564
Ion Ratio Lower Upper
164 100
162 101.5 85.2 127.8
160 46.7 41.5 62.3

Manual Integrations
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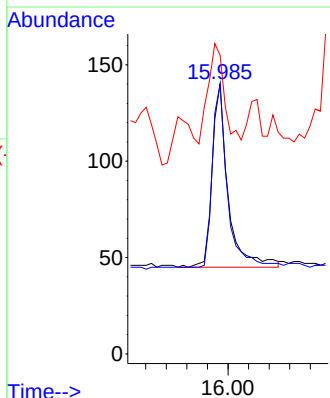
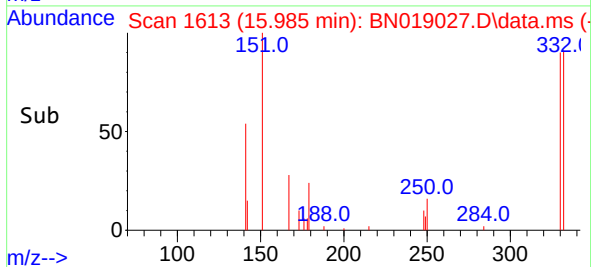
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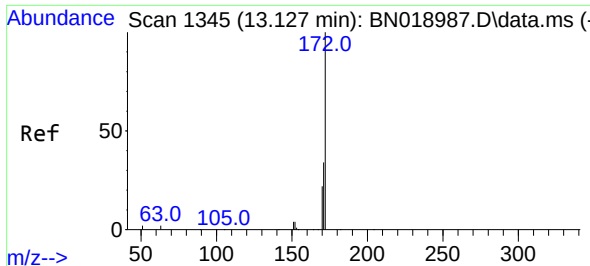


#14
2,4,6-Tribromophenol
Concen: 0.037 ng
RT: 15.985 min Scan# 1613
Delta R.T. 0.000 min
Lab File: BN019027.D
Acq: 21 Mar 2022 17:54



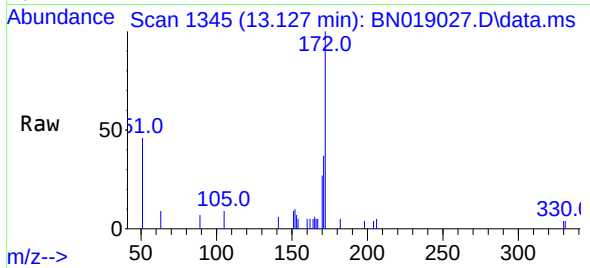
Tgt Ion:330 Resp: 204
Ion Ratio Lower Upper
330 100
332 93.6 76.8 115.2
141 55.4 32.2 48.2#





#15
2-Fluorobiphenyl
Concen: 0.044 ng
RT: 13.127 min Scan# 1345
Delta R.T. 0.000 min
Lab File: BN019027.D
Acq: 21 Mar 2022 17:54

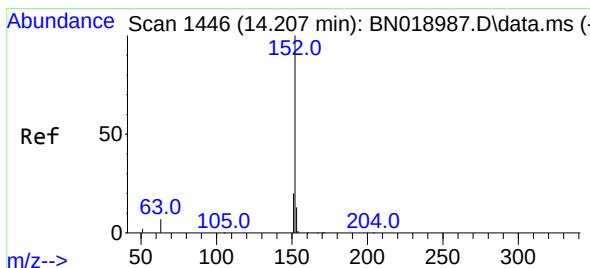
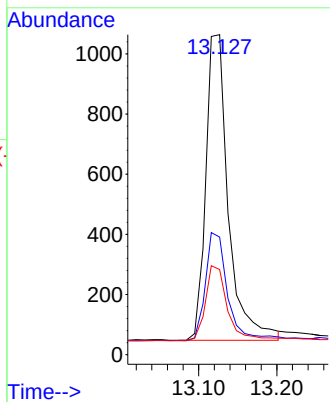
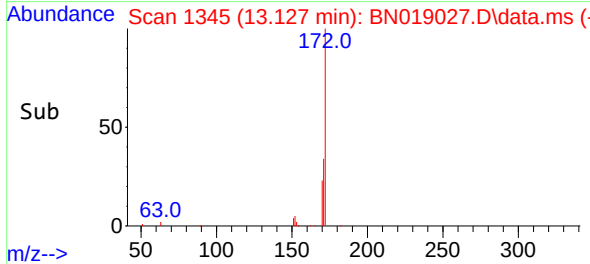
Instrument :
BNA_N
ClientSampleId :
SP1



Tgt Ion:	172	Resp:	204
Ion Ratio	Lower	Upper	
172	100		
171	36.7	28.2	42.2
170	26.6	18.7	28.1

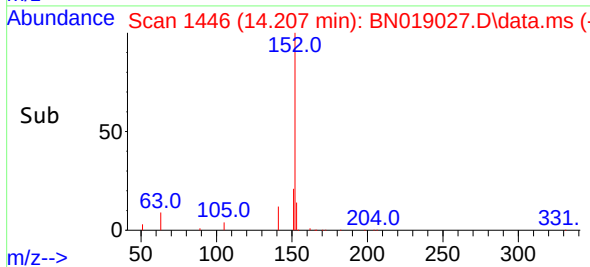
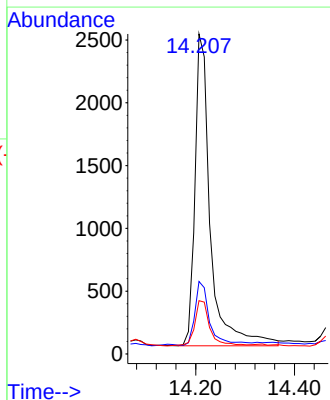
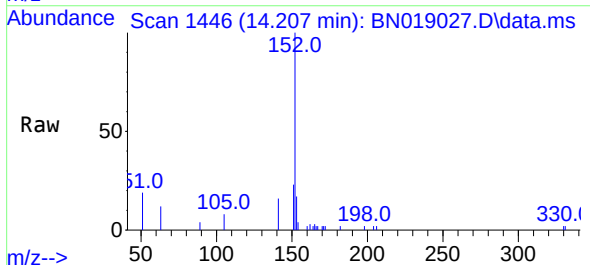
Manual Integrations
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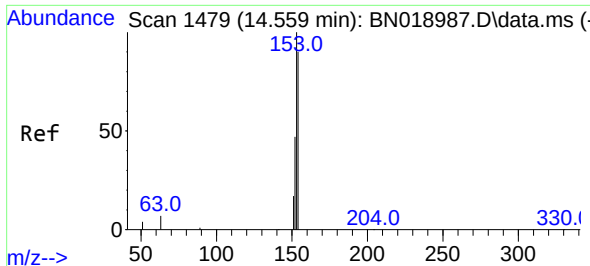
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#16
Acenaphthylene
Concen: 0.100 ng
RT: 14.207 min Scan# 1446
Delta R.T. 0.000 min
Lab File: BN019027.D
Acq: 21 Mar 2022 17:54

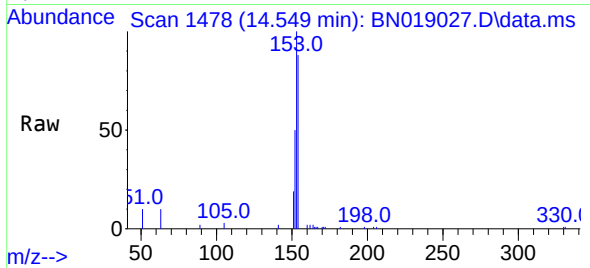
Tgt Ion:	152	Resp:	5371
Ion Ratio	Lower	Upper	
152	100		
151	19.9	15.9	23.9
153	14.3	10.6	15.8





#17
Acenaphthene
Concen: 0.239 ng
RT: 14.549 min Scan# 1478
Delta R.T. -0.011 min
Lab File: BN019027.D
Acq: 21 Mar 2022 17:54

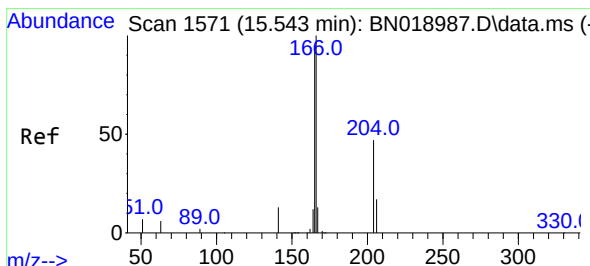
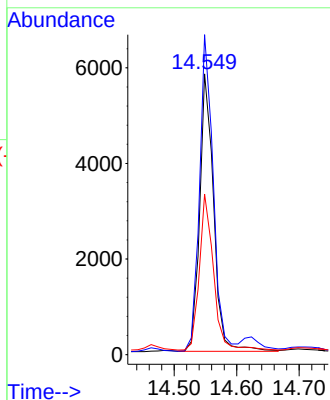
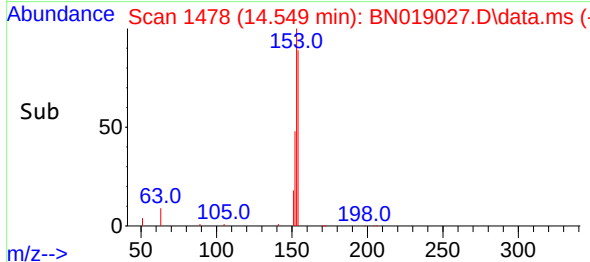
Instrument :
BNA_N
ClientSampleId :
SP1



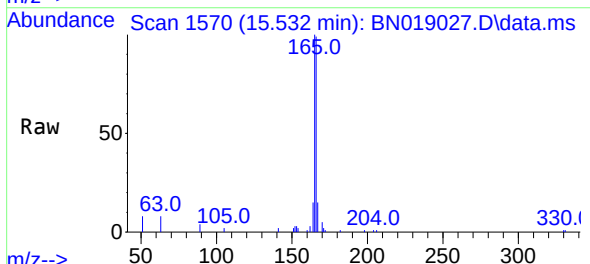
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Ion Ratio Lower Upper
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153 111.7 89.7 134.5
152 56.9 44.7 67.1

Manual Integrations
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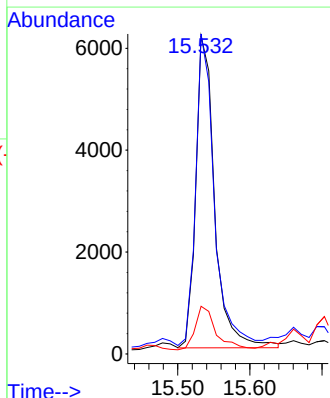
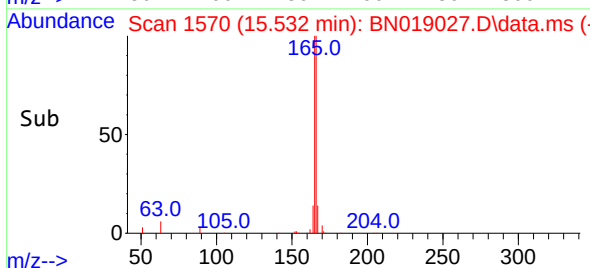
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/23/2022

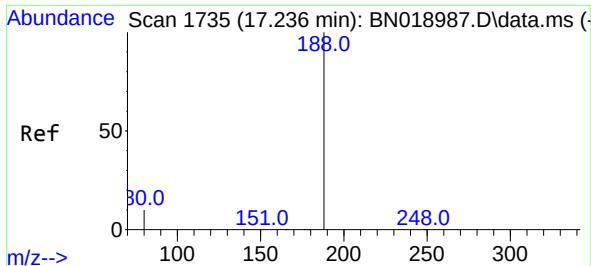


#18
Fluorene
Concen: 0.236 ng
RT: 15.532 min Scan# 1570
Delta R.T. -0.011 min
Lab File: BN019027.D
Acq: 21 Mar 2022 17:54



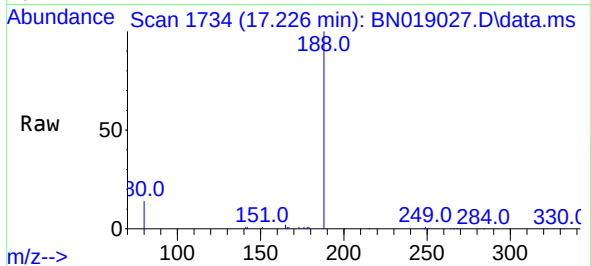
Tgt Ion:166 Resp: 11180
Ion Ratio Lower Upper
166 100
165 97.0 79.2 118.8
167 15.5 10.7 16.1





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.226 min Scan# 1735
Delta R.T. -0.010 min
Lab File: BN019027.D
Acq: 21 Mar 2022 17:54

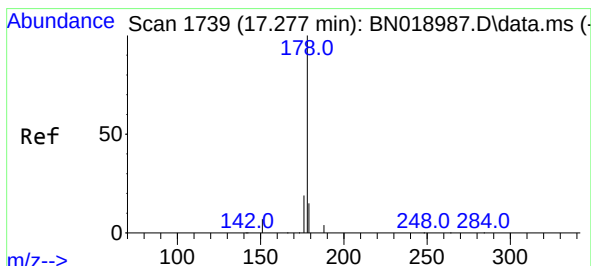
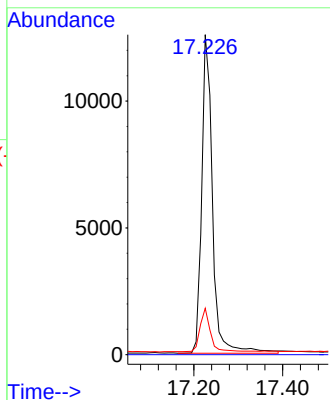
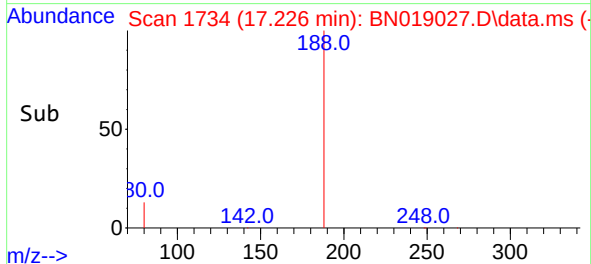
Instrument :
BNA_N
ClientSampleId :
SP1



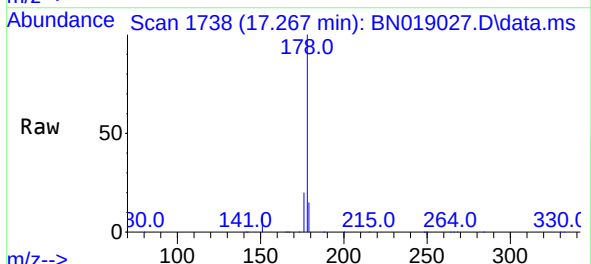
Tgt Ion:188 Resp: 21094
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 14.5 11.8 17.8

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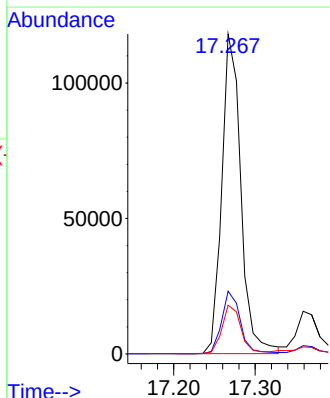
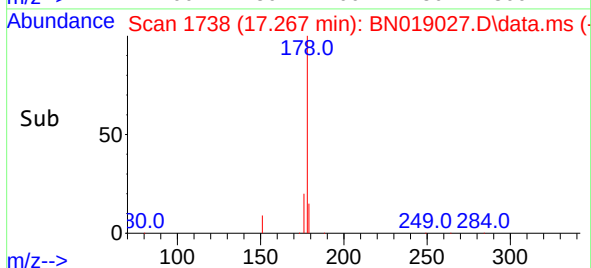
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/23/2022

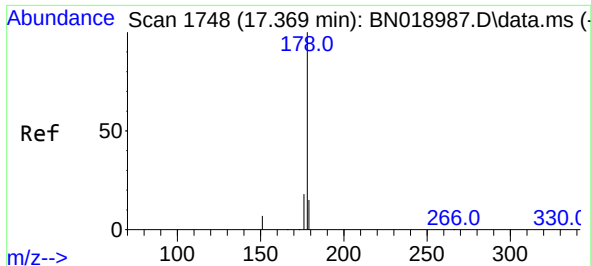


#25
Phenanthrene
Concen: 2.907 ng
RT: 17.267 min Scan# 1738
Delta R.T. -0.010 min
Lab File: BN019027.D
Acq: 21 Mar 2022 17:54



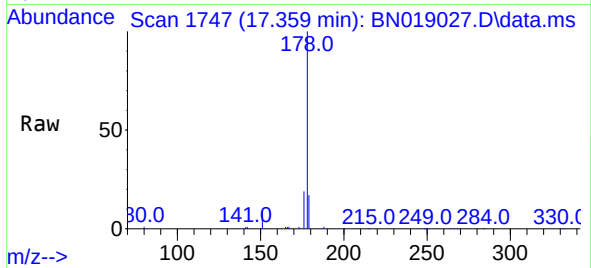
Tgt Ion:178 Resp: 191762
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.2 12.2 18.2





#26
 Anthracene
 Concen: 0.540 ng
 RT: 17.359 min Scan# 11
 Delta R.T. -0.010 min
 Lab File: BN019027.D
 Acq: 21 Mar 2022 17:54

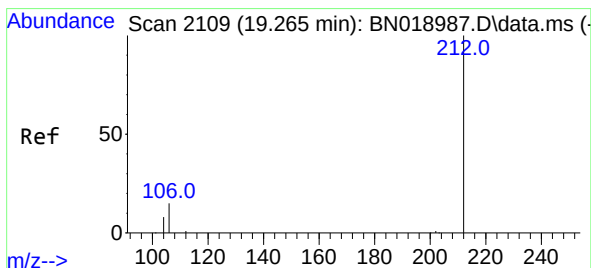
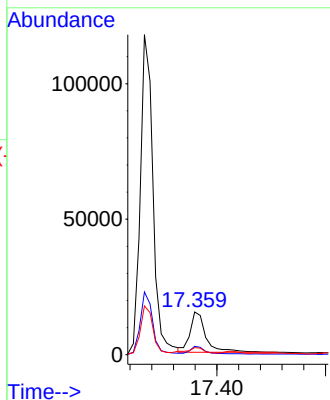
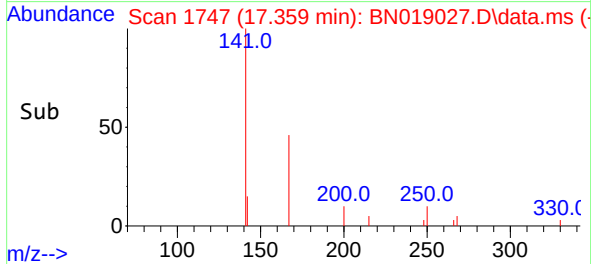
Instrument :
 BNA_N
 ClientSampleId :
 SP1



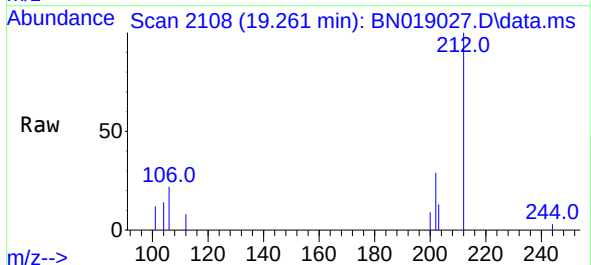
Tgt Ion:178 Resp: 30095
 Ion Ratio Lower Upper
 178 100
 176 17.8 14.8 22.2
 179 13.5 12.2 18.4

Manual Integrations
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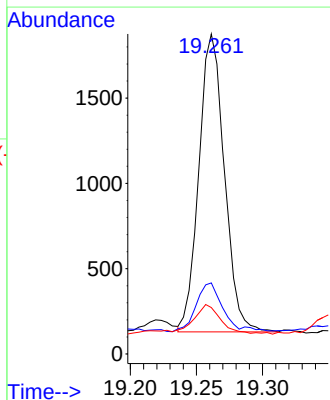
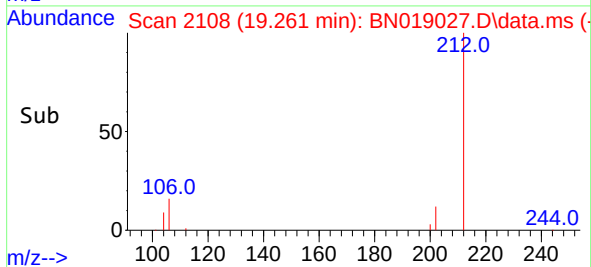
Reviewed By :Christian Giraldo 03/22/2022
 Supervised By :Jagrut Upadhyay 03/23/2022

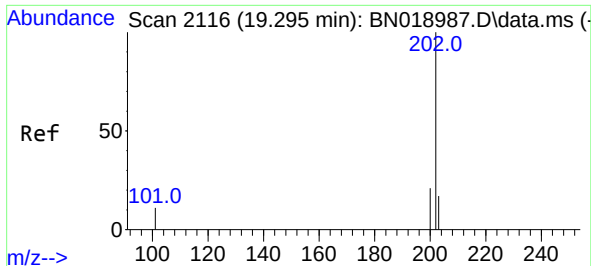


#27
 Fluoranthene-d10
 Concen: 0.037 ng
 RT: 19.261 min Scan# 2108
 Delta R.T. -0.004 min
 Lab File: BN019027.D
 Acq: 21 Mar 2022 17:54



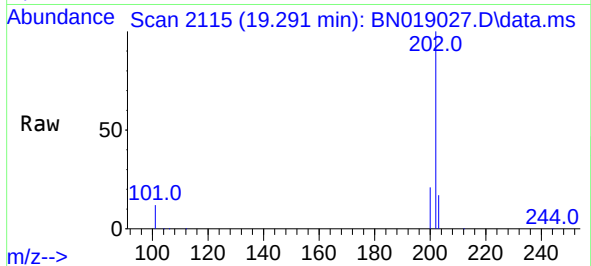
Tgt Ion:212 Resp: 2343
 Ion Ratio Lower Upper
 212 100
 106 17.2 12.7 19.1
 104 10.7 7.1 10.7#





#28
Fluoranthene
Concen: 3.492 ng
RT: 19.291 min Scan# 2115
Delta R.T. -0.004 min
Lab File: BN019027.D
Acq: 21 Mar 2022 17:54

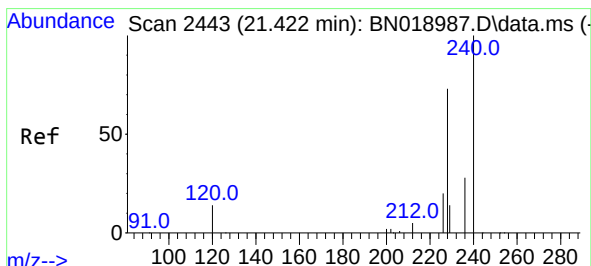
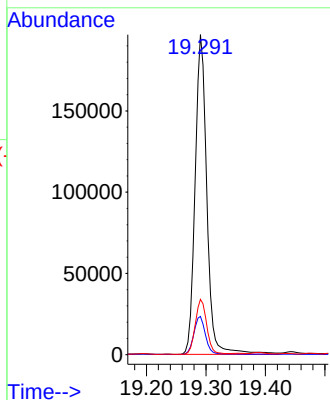
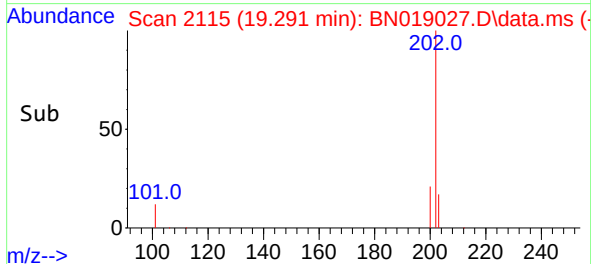
Instrument :
BNA_N
ClientSampleId :
SP1



Tgt Ion:202 Resp: 270270
Ion Ratio Lower Upper
202 100
101 11.9 9.8 14.6
203 16.8 13.7 20.5

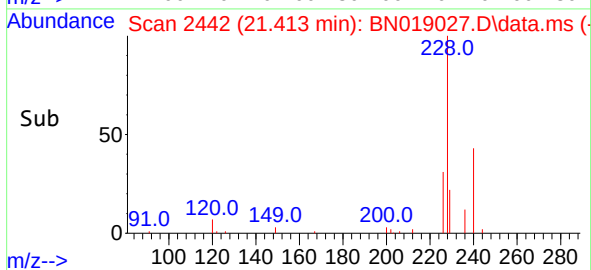
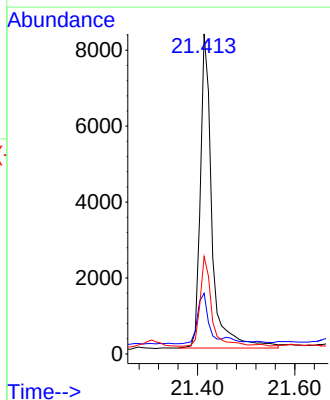
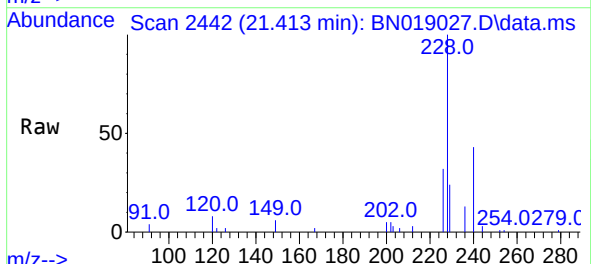
Manual Integrations
APPROVED

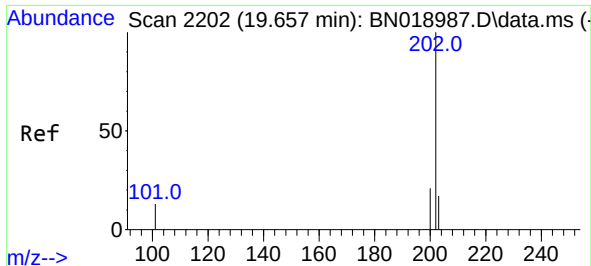
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.413 min Scan# 2442
Delta R.T. -0.009 min
Lab File: BN019027.D
Acq: 21 Mar 2022 17:54

Tgt Ion:240 Resp: 13743
Ion Ratio Lower Upper
240 100
120 18.9 8.5 12.7#
236 30.5 22.4 33.6





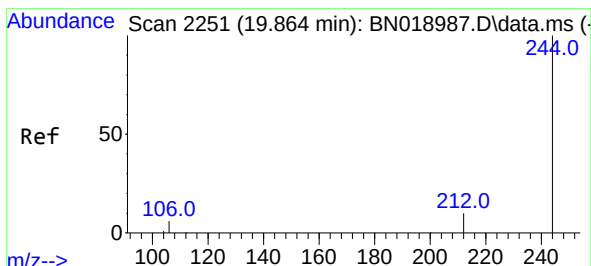
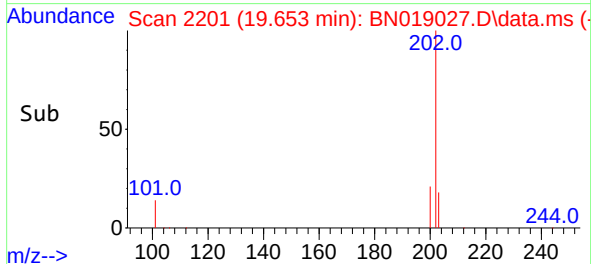
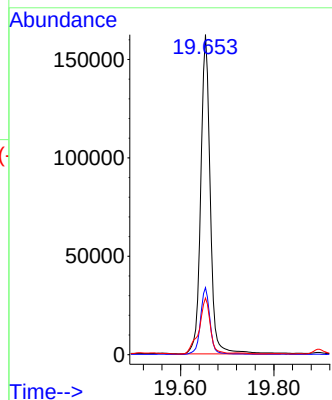
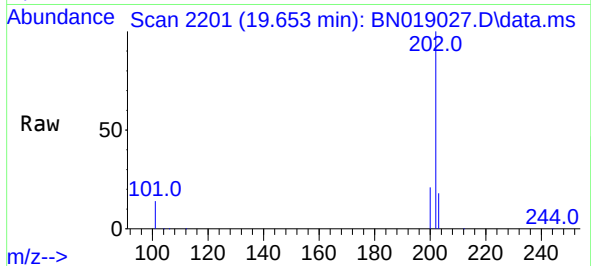
#30
Pyrene
Concen: 3.343 ng
RT: 19.653 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN019027.D
Acq: 21 Mar 2022 17:54

Instrument :
BNA_N
ClientSampleId :
SP1

Tgt Ion:202 Resp: 22884
Ion Ratio Lower Upper
202 100
200 21.1 16.9 25.3
203 20.9 14.2 21.2

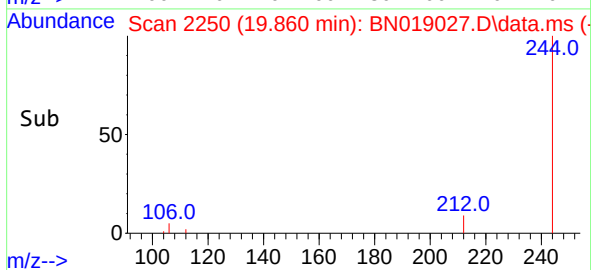
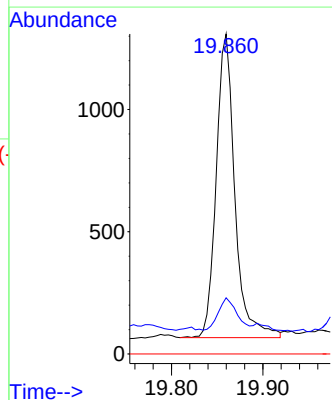
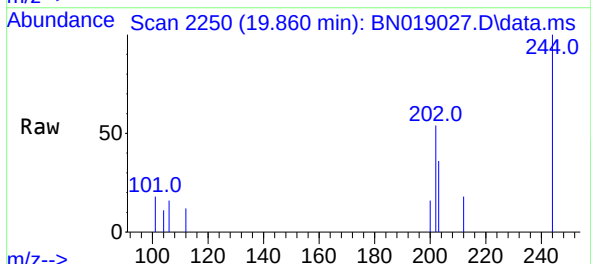
Manual Integrations
APPROVED

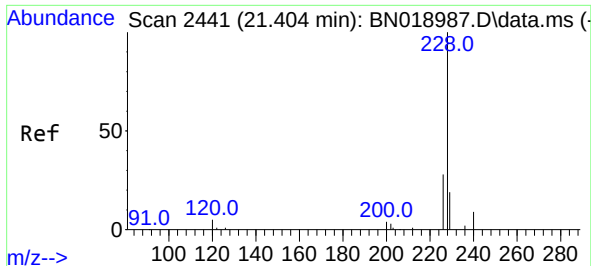
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#31
Terphenyl-d14
Concen: 0.052 ng
RT: 19.860 min Scan# 2250
Delta R.T. -0.004 min
Lab File: BN019027.D
Acq: 21 Mar 2022 17:54

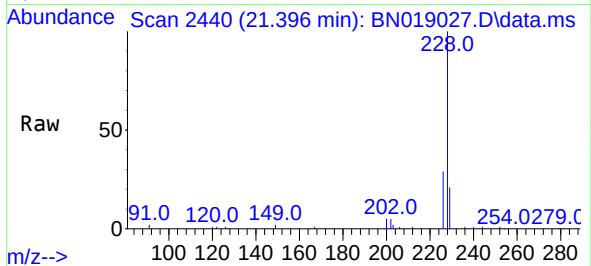
Tgt Ion:244 Resp: 1754
Ion Ratio Lower Upper
244 100
212 17.6 8.2 12.4#
122 0.0 0.0 0.0





#32
Benzo(a)anthracene
Concen: 1.883 ng
RT: 21.396 min Scan# 2441
Delta R.T. -0.009 min
Lab File: BN019027.D
Acq: 21 Mar 2022 17:54

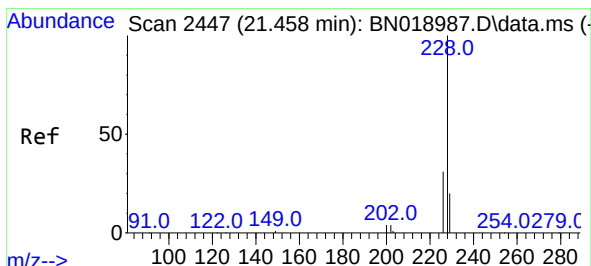
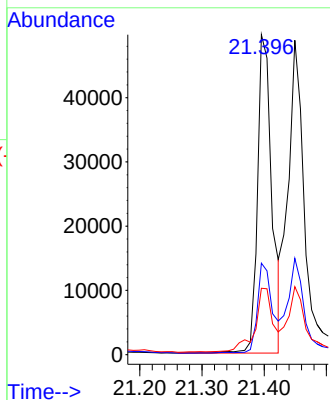
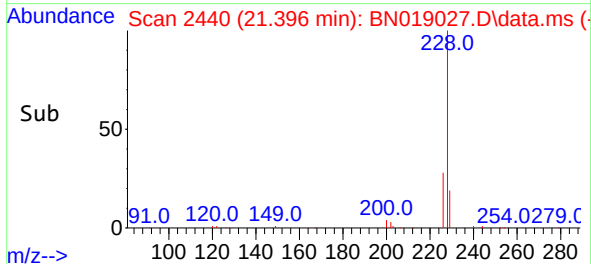
Instrument :
BNA_N
ClientSampleId :
SP1



Tgt Ion:228 Resp: 79739
Ion Ratio Lower Upper
228 100
226 28.6 21.9 32.9
229 20.8 16.0 24.0

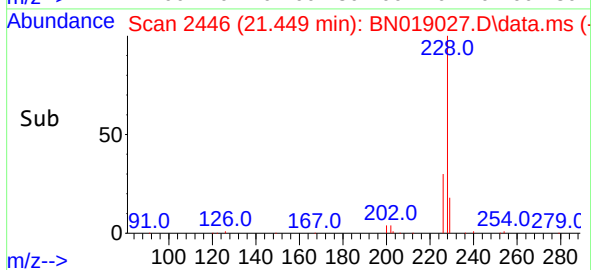
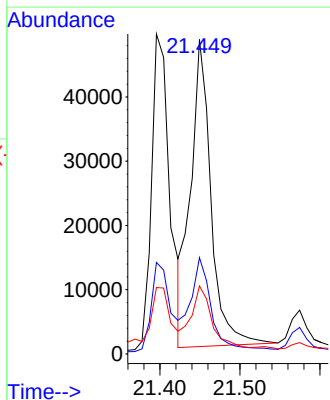
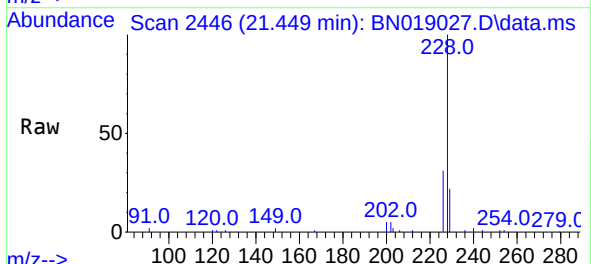
Manual Integrations
APPROVED

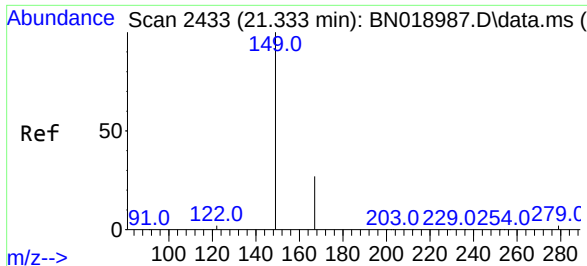
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#33
Chrysene
Concen: 1.486 ng
RT: 21.449 min Scan# 2446
Delta R.T. -0.009 min
Lab File: BN019027.D
Acq: 21 Mar 2022 17:54

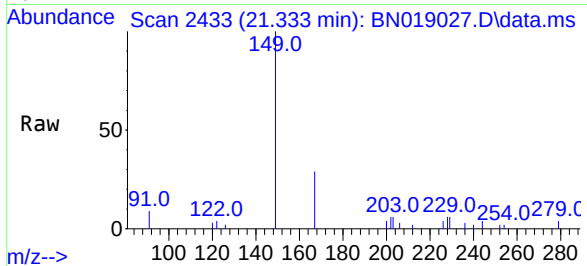
Tgt Ion:228 Resp: 84879
Ion Ratio Lower Upper
228 100
226 30.6 24.0 36.0
229 21.7 15.9 23.9





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.350 ng
RT: 21.333 min Scan# 2433
Delta R.T. 0.000 min
Lab File: BN019027.D
Acq: 21 Mar 2022 17:54

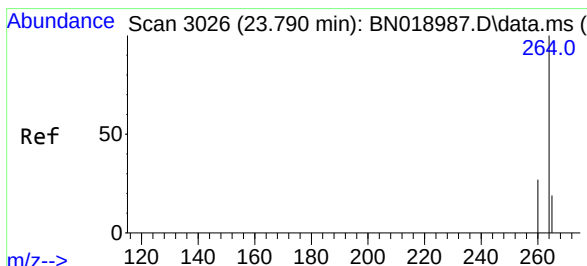
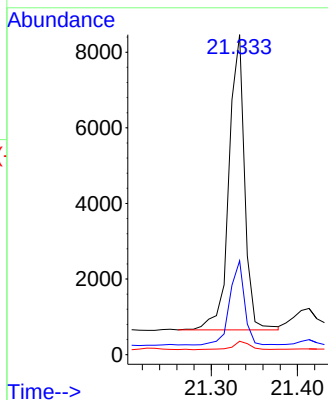
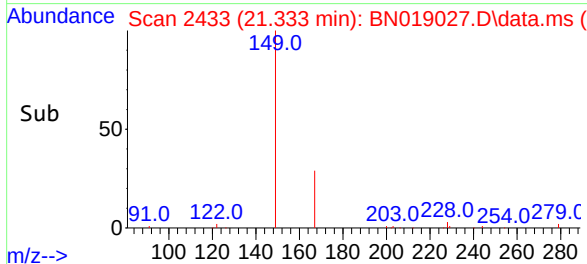
Instrument :
BNA_N
ClientSampleId :
SP1



Tgt Ion:149 Resp: 9832
Ion Ratio Lower Upper
149 100
167 26.8 21.8 32.8
279 3.1 2.0 3.0

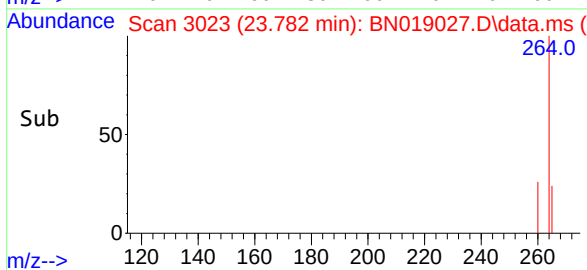
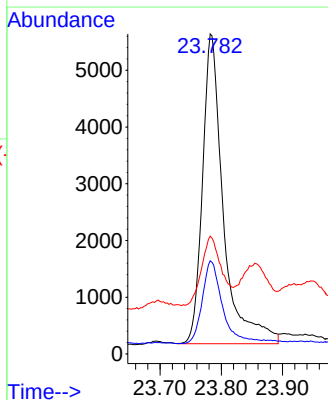
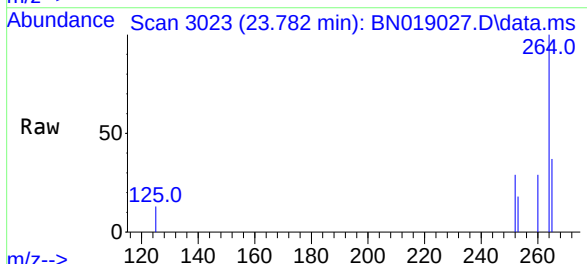
Manual Integrations
APPROVED

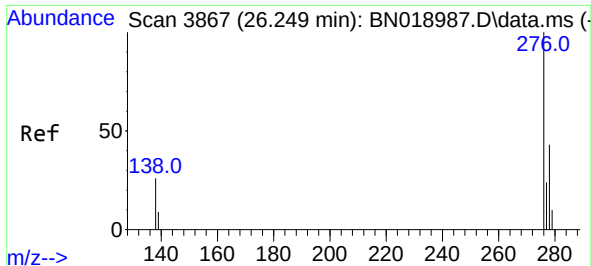
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.782 min Scan# 3023
Delta R.T. -0.009 min
Lab File: BN019027.D
Acq: 21 Mar 2022 17:54

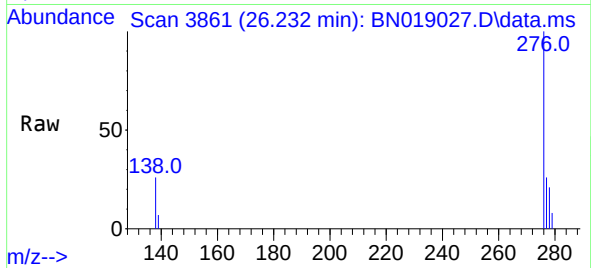
Tgt Ion:264 Resp: 12933
Ion Ratio Lower Upper
264 100
260 29.1 22.4 33.6
265 36.8 25.3 37.9





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.795 ng
RT: 26.232 min Scan# 3867
Delta R.T. -0.017 min
Lab File: BN019027.D
Acq: 21 Mar 2022 17:54

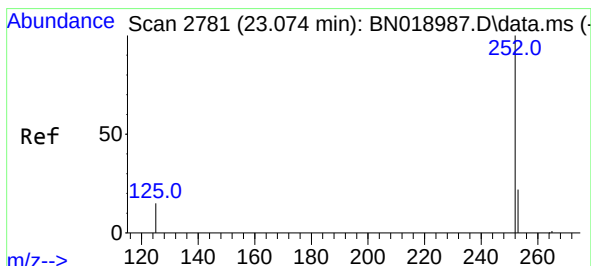
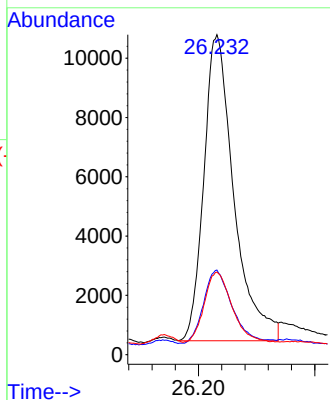
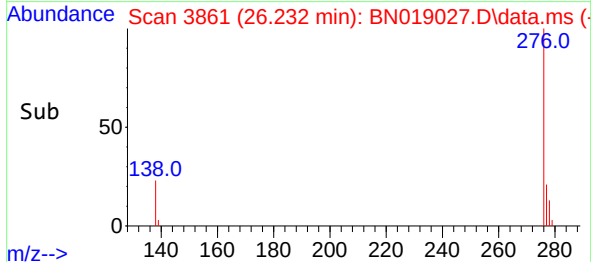
Instrument :
BNA_N
ClientSampleId :
SP1



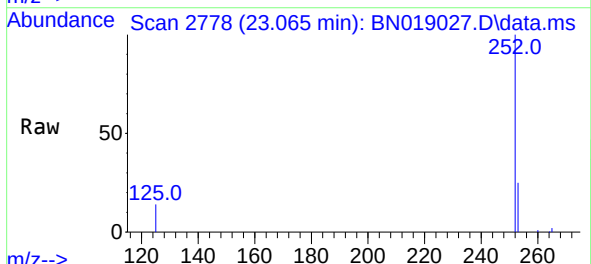
Tgt Ion:276 Resp: 37079
Ion Ratio Lower Upper
276 100
138 22.4 24.5 36.7
277 21.0 19.8 29.8

Manual Integrations
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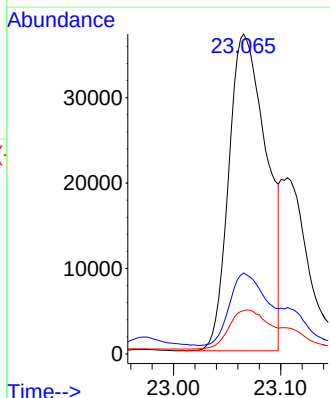
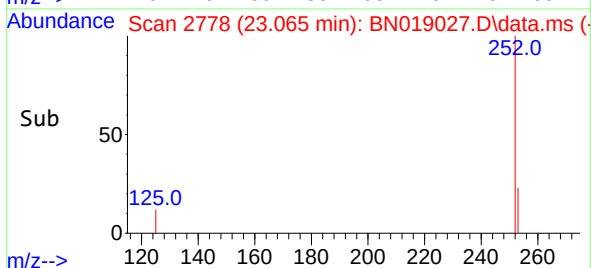
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/23/2022

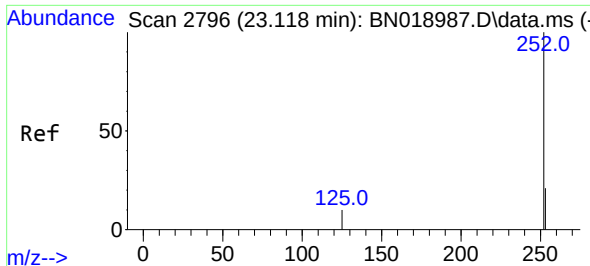


#37
Benzo(b)fluoranthene
Concen: 1.922 ng
RT: 23.065 min Scan# 2778
Delta R.T. -0.009 min
Lab File: BN019027.D
Acq: 21 Mar 2022 17:54



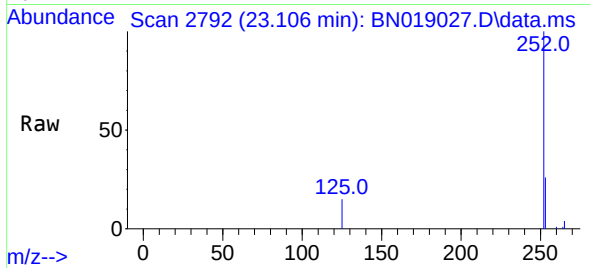
Tgt Ion:252 Resp: 90676
Ion Ratio Lower Upper
252 100
253 25.3 18.9 28.3
125 13.5 12.1 18.1





#38
Benzo(k)fluoranthene
Concen: 0.525 ng m
RT: 23.106 min Scan# 21
Delta R.T. -0.012 min
Lab File: BN019027.D
Acq: 21 Mar 2022 17:54

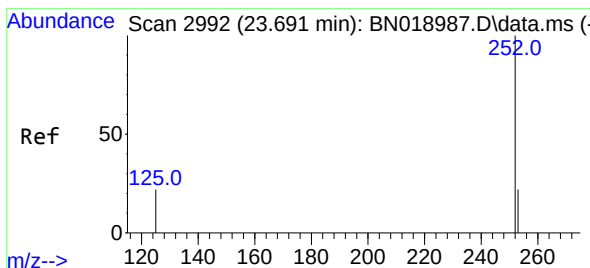
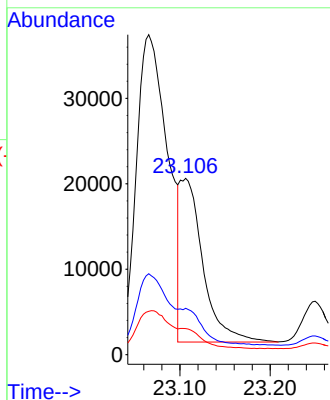
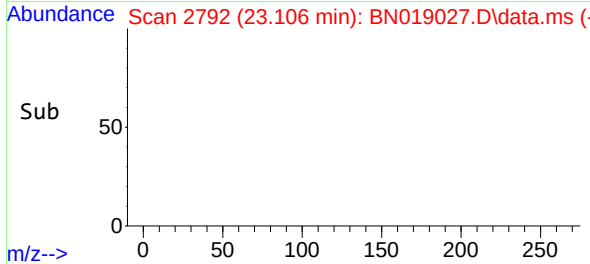
Instrument :
BNA_N
ClientSampleId :
SP1



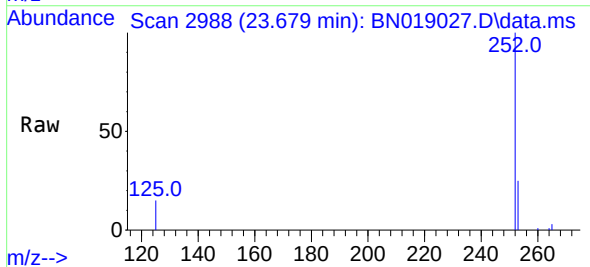
Tgt Ion:252 Resp: 3395
Ion Ratio Lower Upper
252 100
253 26.3 18.9 28.3
125 14.7 10.3 15.5

Manual Integrations
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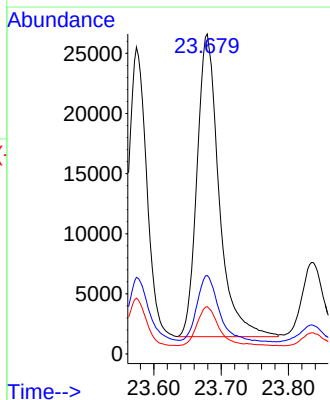
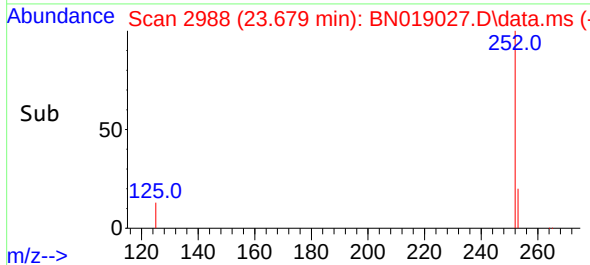
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/23/2022

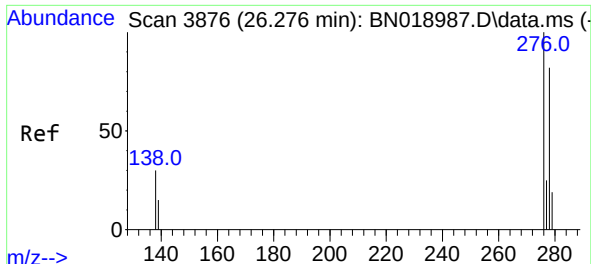


#39
Benzo(a)pyrene
Concen: 1.332 ng m
RT: 23.679 min Scan# 2988
Delta R.T. -0.012 min
Lab File: BN019027.D
Acq: 21 Mar 2022 17:54



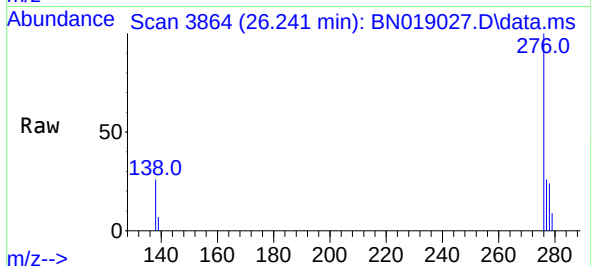
Tgt Ion:252 Resp: 57163
Ion Ratio Lower Upper
252 100
253 24.5 20.1 30.1
125 14.8 15.2 22.8#





#40
Dibenzo(a,h)anthracene
Concen: 0.206 ng
RT: 26.241 min Scan# 3118
Delta R.T. -0.035 min
Lab File: BN019027.D
Acq: 21 Mar 2022 17:54

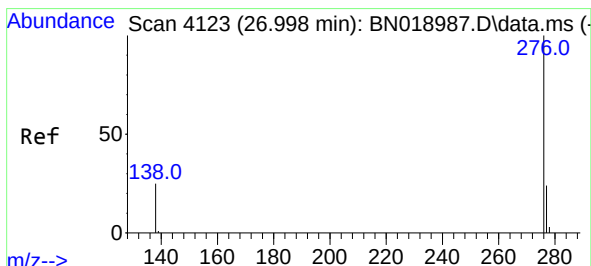
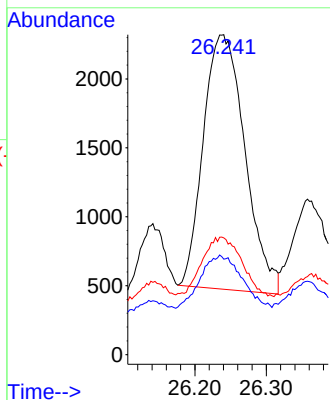
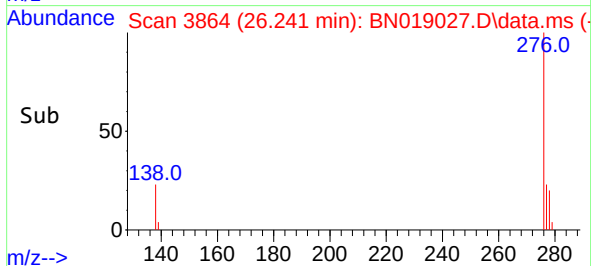
Instrument :
BNA_N
ClientSampleId :
SP1



Tgt Ion:278 Resp: 7472
Ion Ratio Lower Upper
278 100
139 29.9 17.2 25.8
279 36.5 19.9 29.9

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#41
Benzo(g,h,i)perylene
Concen: 0.978 ng
RT: 26.983 min Scan# 4118
Delta R.T. -0.015 min
Lab File: BN019027.D
Acq: 21 Mar 2022 17:54

Tgt Ion:276 Resp: 44796
Ion Ratio Lower Upper
276 100
277 25.0 19.4 29.0
138 26.6 21.0 31.6

