

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122921\
 Data File : BN018266.D
 Acq On : 29 Dec 2021 18:13
 Operator : CG/JU
 Sample : M5224-06DL 25X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SB-COMPDL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/30/2021
 Supervised By :mohammad ahmed 12/30/2021

Quant Time: Dec 30 02:23:28 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN122921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 29 16:08:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.642	152	29303	0.400	ng	0.00
7) Naphthalene-d8	10.419	136	118515	0.400	ng	0.00
13) Acenaphthene-d10	14.269	164	70624	0.400	ng	0.00
19) Phenanthrene-d10	17.005	188	143364	0.400	ng	# 0.00
29) Chrysene-d12	21.196	240	145360	0.400	ng	# 0.00
35) Perylene-d12	23.416	264	136053	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.245	112	785	0.013	ng	0.00
5) Phenol-d6	6.831	99	692	0.012	ng	0.00
8) Nitrobenzene-d5	8.810	82	628	0.144	ng	0.03
11) 2-Methylnaphthalene-d10	12.016	152	2549	0.013	ng	0.00
14) 2,4,6-Tribromophenol	15.766	330	220	0.310	ng	0.00
15) 2-Fluorobiphenyl	12.898	172	3687	0.014	ng	0.00
27) Fluoranthene-d10	19.038	212	5912	0.013	ng	0.00
31) Terphenyl-d14	19.644	244	5240	0.014	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.470	128	207589	0.708	ng	100
12) 2-Methylnaphthalene	12.087	142	58998	0.314	ng	99
16) Acenaphthylene	13.977	152	42664	0.172	ng	97
17) Acenaphthene	14.332	154	80300	0.440	ng	99
18) Fluorene	15.309	166	88745m	0.413	ng	
25) Phenanthrene	17.042	178	1524680	4.034	ng	99
26) Anthracene	17.139	178	273149	0.824	ng	# 94
28) Fluoranthene	19.068	202	1566064	3.538	ng	99
30) Pyrene	19.430	202	1440752	2.528	ng	# 95
32) Benzo(a)anthracene	21.174	228	670140	1.483	ng	98
33) Chrysene	21.227	228	646165	1.381	ng	98
34) Bis(2-ethylhexyl)phtha...	21.121	149	122430	0.675	ng	99
36) Indeno(1,2,3-cd)pyrene	25.678	276	235247	0.724	ng	# 95
37) Benzo(b)fluoranthene	22.752	252	678937	1.570	ng	99
38) Benzo(k)fluoranthene	22.786	252	248444m	0.607	ng	
39) Benzo(a)pyrene	23.320	252	468731	1.246	ng	99
40) Dibenzo(a,h)anthracene	25.685	278	53034	0.229	ng	96
41) Benzo(g,h,i)perylene	26.366	276	238742	0.737	ng	99

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

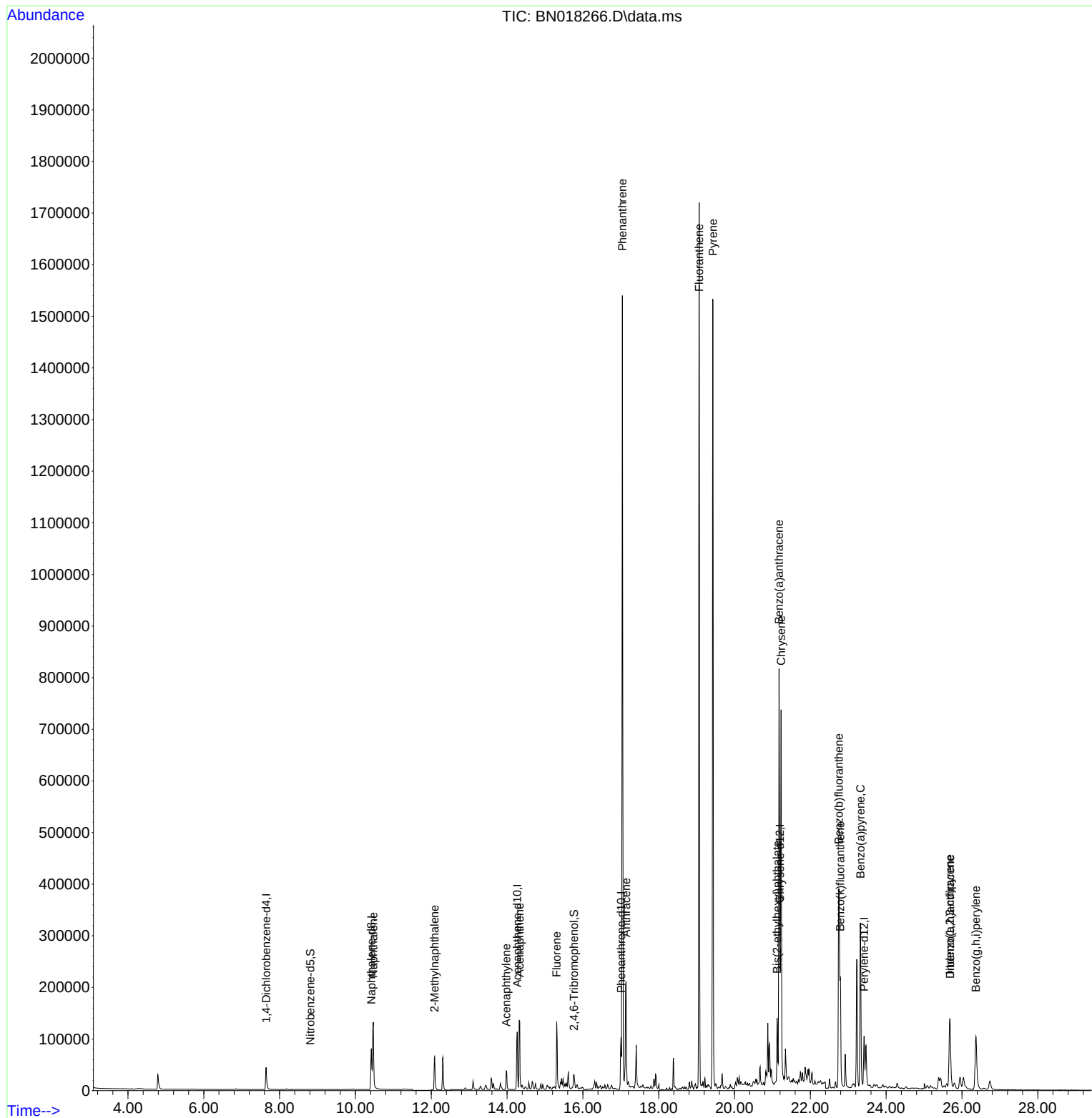
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122921\
Data File : BN018266.D
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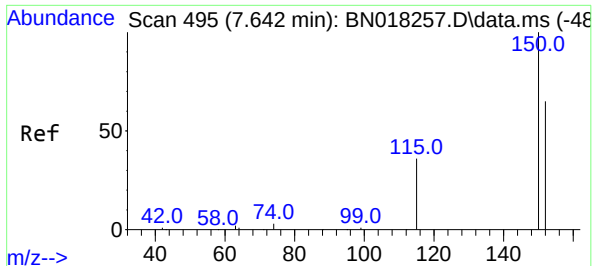
Instrument :
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ClientSampleId :
SB-COMPDL

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Supervised By :mohammad ahmed 12/30/2021

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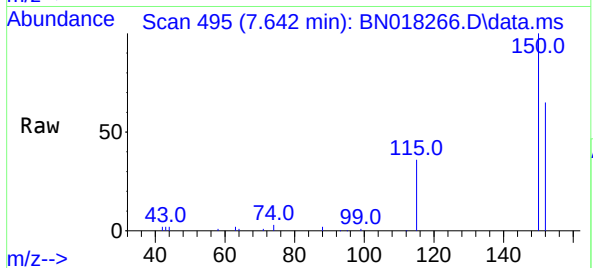
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.642 min Scan# 495
Delta R.T. 0.000 min
Lab File: BN018266.D
Acq: 29 Dec 2021 18:13

Instrument :

BNA_N

ClientSampleId :

SB-COMPDL

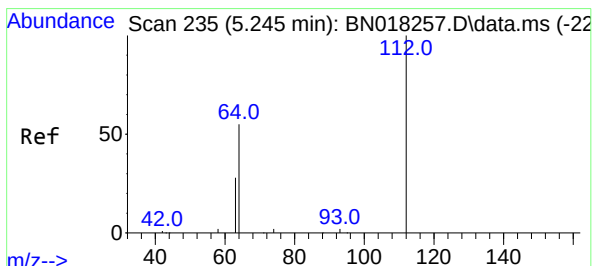
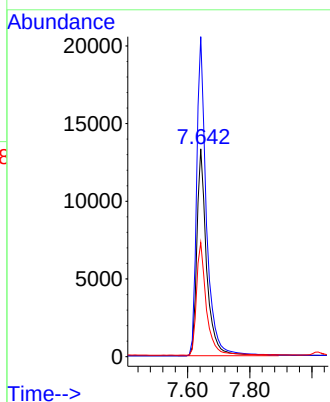


Tgt Ion:152 Resp: 2930
Ion Ratio Lower Upper
152 100
150 154.0 121.7 182.5
115 54.9 43.8 65.8

Manual Integrations

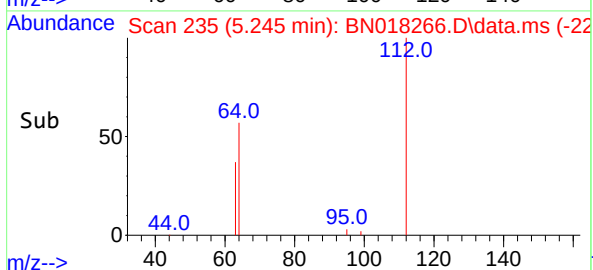
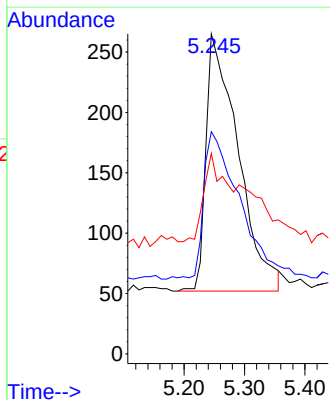
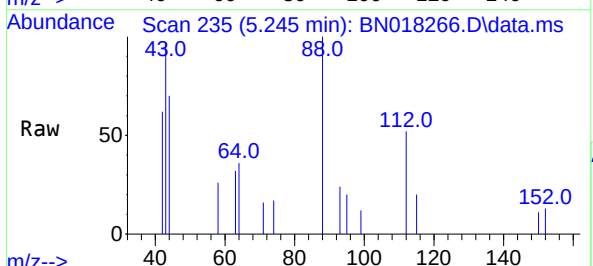
APPROVED

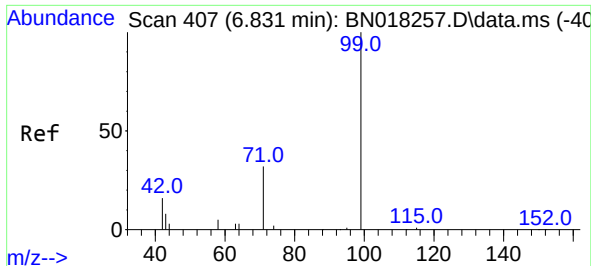
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021



#4
2-Fluorophenol
Concen: 0.013 ng
RT: 5.245 min Scan# 235
Delta R.T. -0.000 min
Lab File: BN018266.D
Acq: 29 Dec 2021 18:13

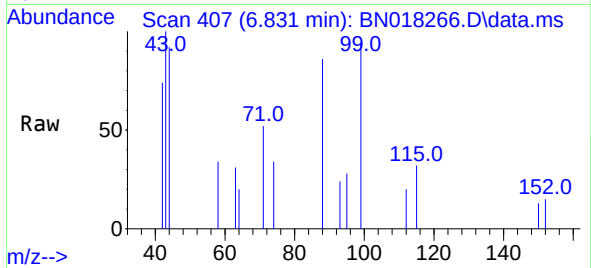
Tgt Ion:112 Resp: 785
Ion Ratio Lower Upper
112 100
64 63.3 48.0 72.0
63 24.2 25.3 37.9





#5
Phenol-d6
Concen: 0.012 ng
RT: 6.831 min Scan# 407
Delta R.T. -0.000 min
Lab File: BN018266.D
Acq: 29 Dec 2021 18:13

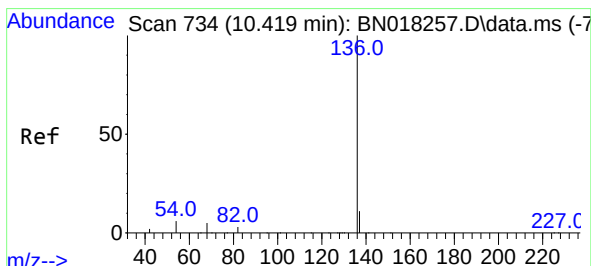
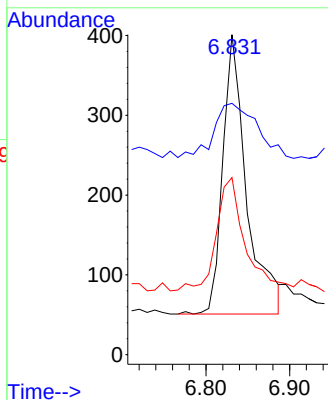
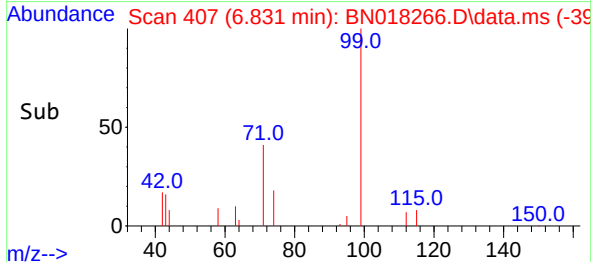
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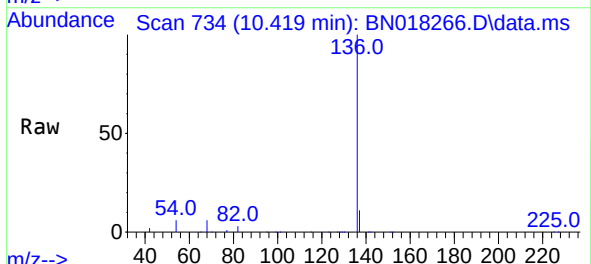
Tgt Ion: 99 Resp: 692
Ion Ratio Lower Upper
99 100
42 34.7 16.3 24.5
71 48.6 26.8 40.2

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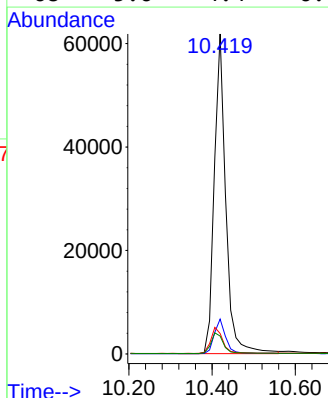
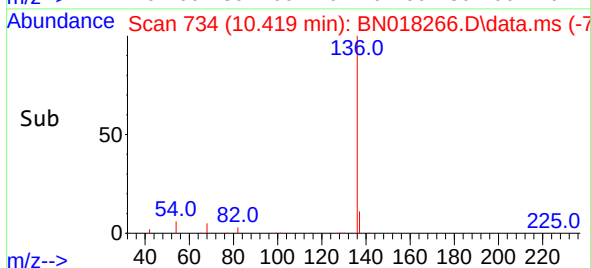
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021

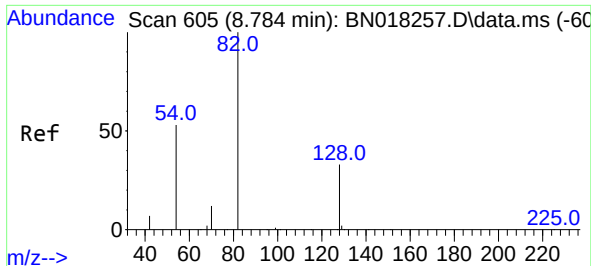


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.419 min Scan# 734
Delta R.T. 0.000 min
Lab File: BN018266.D
Acq: 29 Dec 2021 18:13



Tgt Ion:136 Resp: 118515
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 6.4 5.0 7.6
68 5.6 4.4 6.6





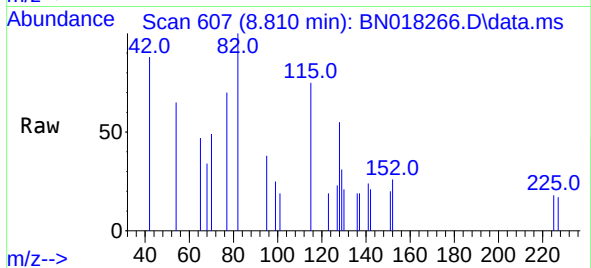
#8
Nitrobenzene-d5
Concen: 0.144 ng
RT: 8.810 min Scan# 605
Delta R.T. 0.026 min
Lab File: BN018266.D
Acq: 29 Dec 2021 18:13

Instrument :

BNA_N

ClientSampleId :

SB-COMPDL

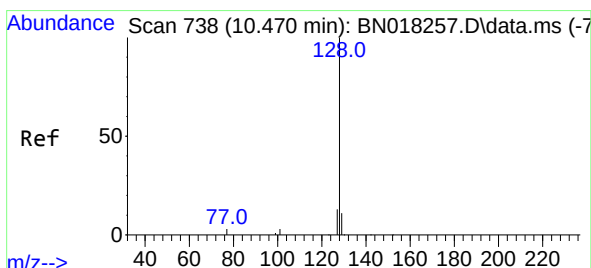
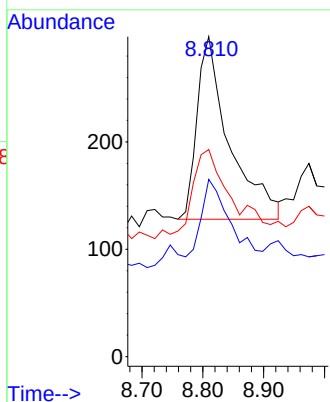
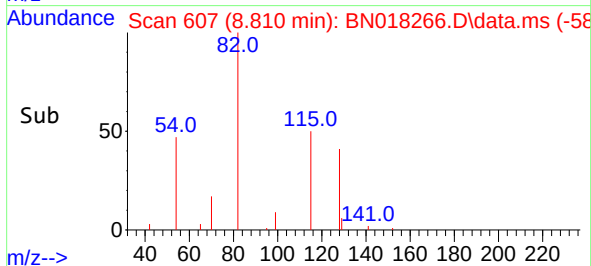


Tgt Ion: 82 Resp: 628
Ion Ratio Lower Upper
82 100
128 55.4 33.7 50.5
54 64.8 36.6 55.0

Manual Integrations

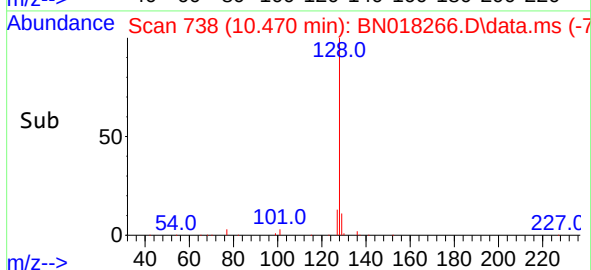
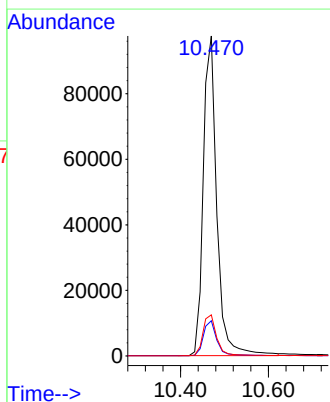
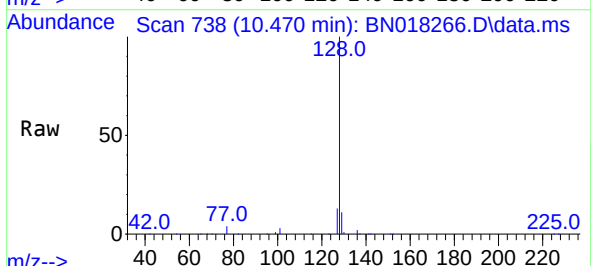
APPROVED

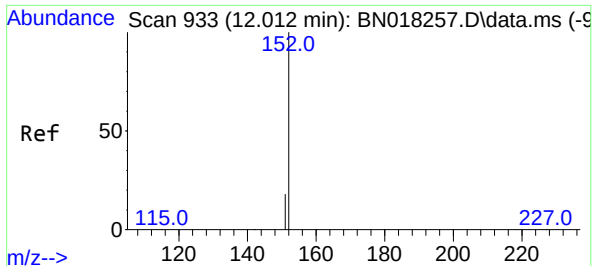
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021



#9
Naphthalene
Concen: 0.708 ng
RT: 10.470 min Scan# 738
Delta R.T. -0.000 min
Lab File: BN018266.D
Acq: 29 Dec 2021 18:13

Tgt Ion:128 Resp: 207589
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 12.8 10.4 15.6





#11

2-Methylnaphthalene-d10

Concen: 0.013 ng

RT: 12.016 min Scan# 91

Delta R.T. 0.004 min

Lab File: BN018266.D

Acq: 29 Dec 2021 18:13

Instrument :

BNA_N

ClientSampleId :

SB-COMPDL

Tgt Ion:152 Resp: 2549

Ion Ratio Lower Upper

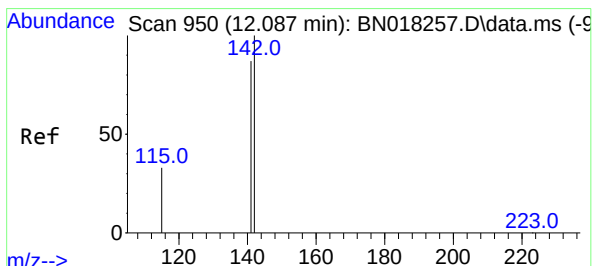
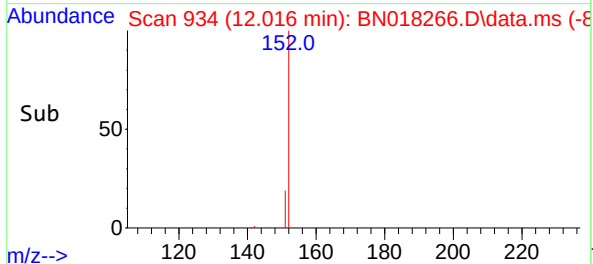
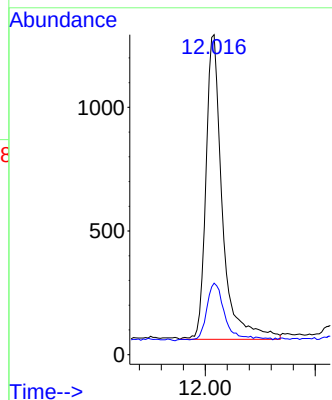
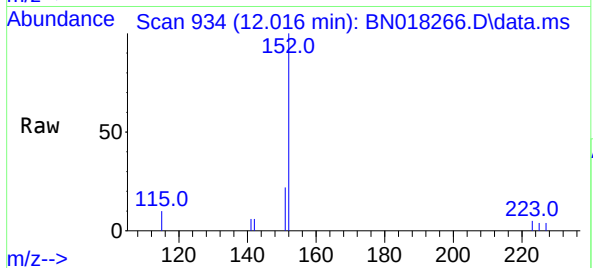
152 100

151 19.7 16.2 24.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021



#12

2-Methylnaphthalene

Concen: 0.314 ng

RT: 12.087 min Scan# 950

Delta R.T. -0.000 min

Lab File: BN018266.D

Acq: 29 Dec 2021 18:13

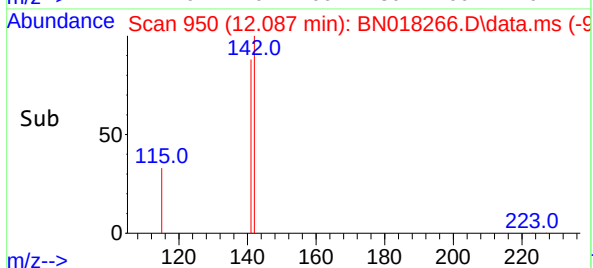
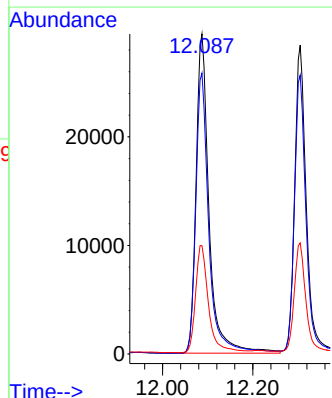
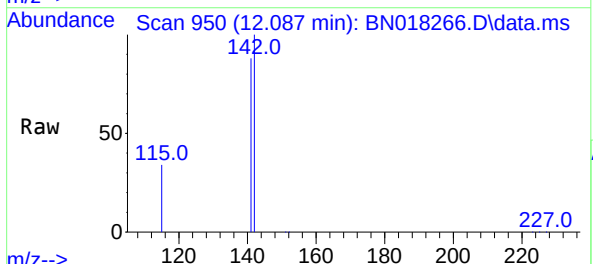
Tgt Ion:142 Resp: 58998

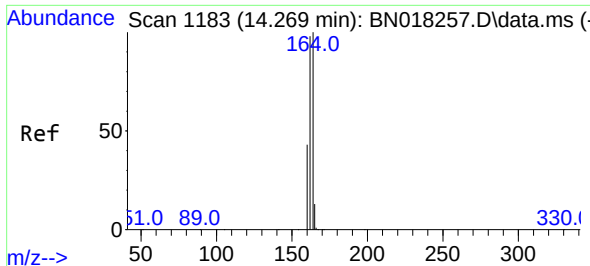
Ion Ratio Lower Upper

142 100

141 87.7 70.0 105.0

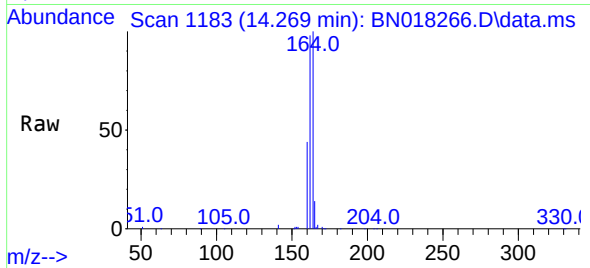
115 33.9 27.8 41.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.269 min Scan# 1183
Delta R.T. -0.000 min
Lab File: BN018266.D
Acq: 29 Dec 2021 18:13

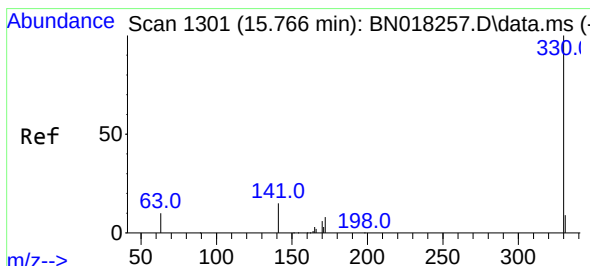
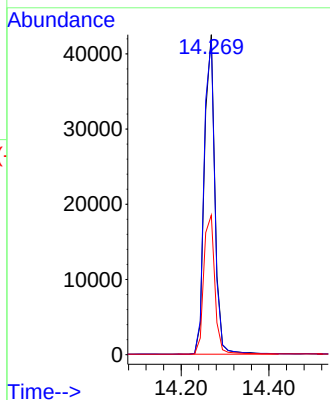
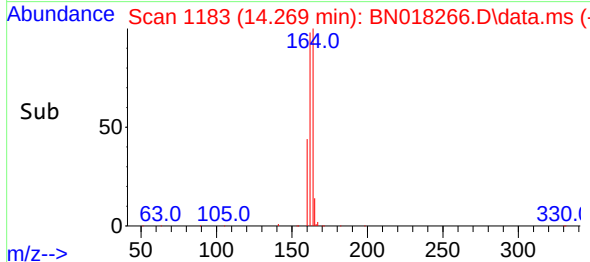
Instrument :
BNA_N
ClientSampleId :
SB-COMPDL



Tgt Ion:164 Resp: 70624
Ion Ratio Lower Upper
164 100
162 98.3 80.2 120.2
160 43.6 36.9 55.3

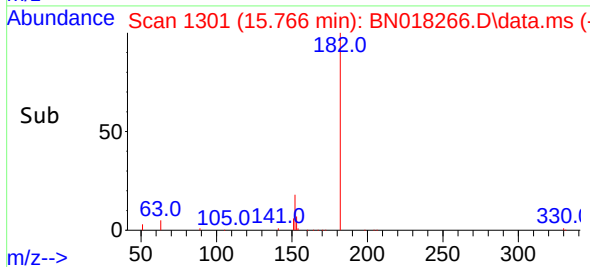
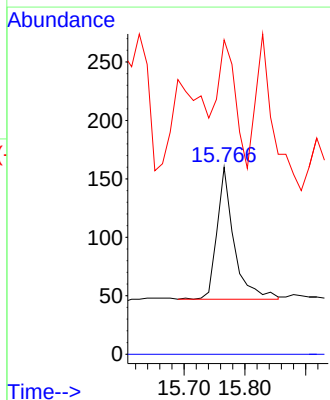
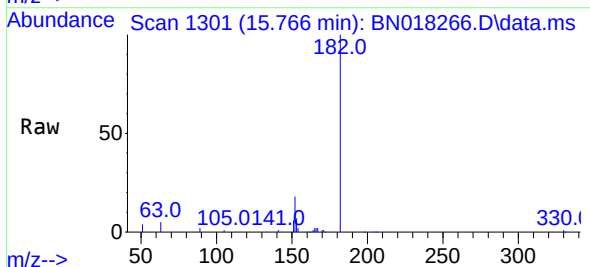
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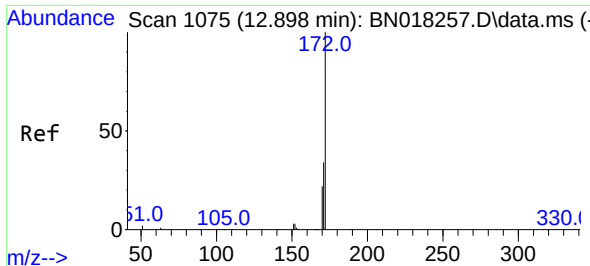
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021



#14
2,4,6-Tribromophenol
Concen: 0.310 ng
RT: 15.766 min Scan# 1301
Delta R.T. -0.000 min
Lab File: BN018266.D
Acq: 29 Dec 2021 18:13

Tgt Ion:330 Resp: 220
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 100.0 21.3 31.9#





#15
2-Fluorobiphenyl
Concen: 0.014 ng
RT: 12.898 min Scan# 1075
Delta R.T. -0.000 min
Lab File: BN018266.D
Acq: 29 Dec 2021 18:13

Instrument :

BNA_N

ClientSampleId :

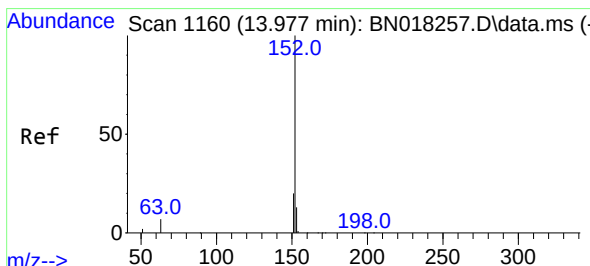
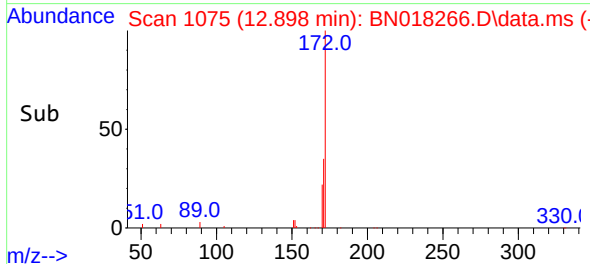
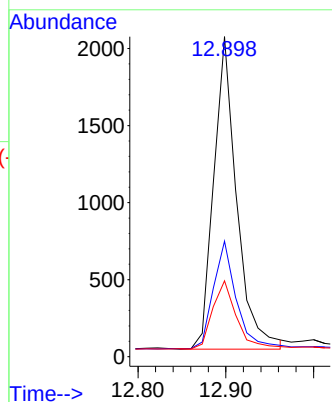
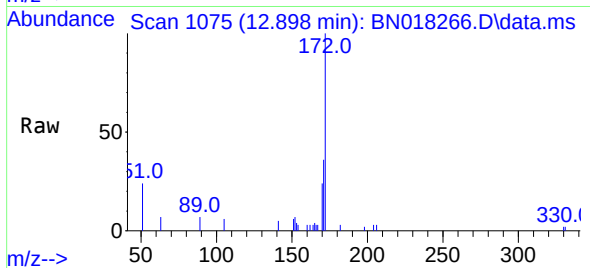
SB-COMPDL

Tgt Ion:172 Resp: 368
Ion Ratio Lower Upper
172 100
171 36.1 27.4 41.0
170 23.7 18.4 27.6

Manual Integrations

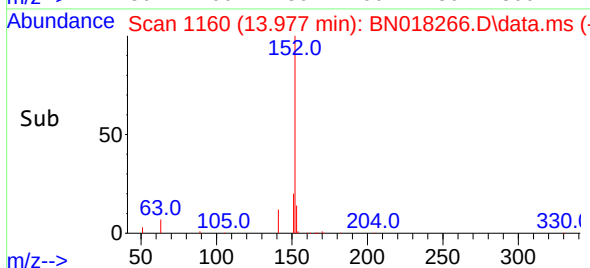
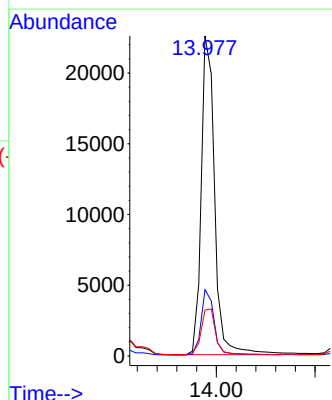
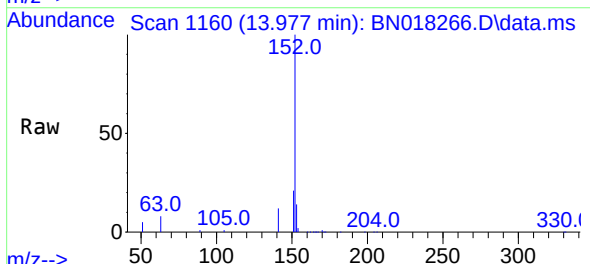
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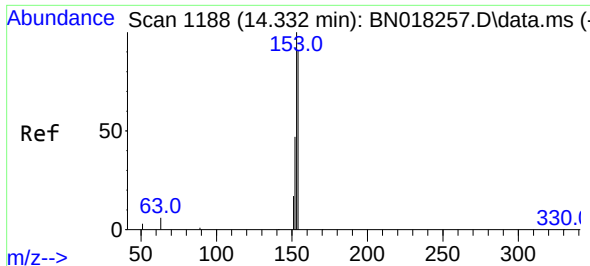
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021



#16
Acenaphthylene
Concen: 0.172 ng
RT: 13.977 min Scan# 1160
Delta R.T. -0.000 min
Lab File: BN018266.D
Acq: 29 Dec 2021 18:13

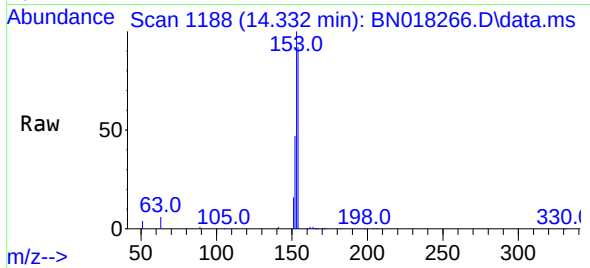
Tgt Ion:152 Resp: 42664
Ion Ratio Lower Upper
152 100
151 20.1 15.8 23.6
153 15.5 10.5 15.7





#17
Acenaphthene
Concen: 0.440 ng
RT: 14.332 min Scan# 1188
Delta R.T. -0.000 min
Lab File: BN018266.D
Acq: 29 Dec 2021 18:13

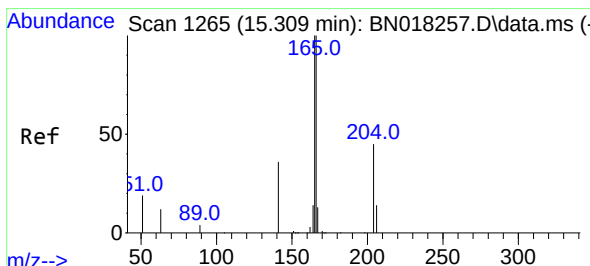
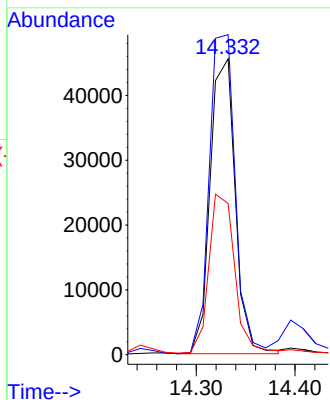
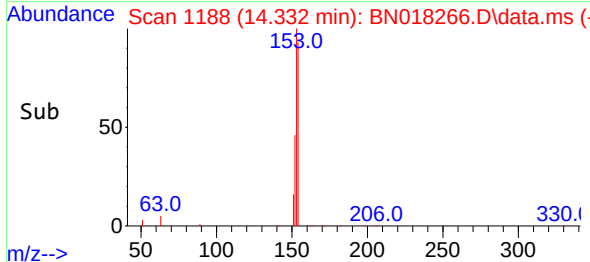
Instrument :
BNA_N
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SB-COMPDL



Tgt Ion:154 Resp: 80300
Ion Ratio Lower Upper
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153 111.8 90.9 136.3
152 56.2 45.0 67.4

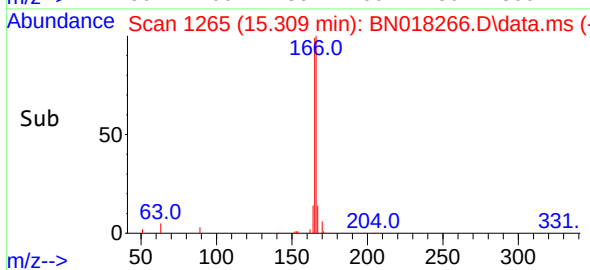
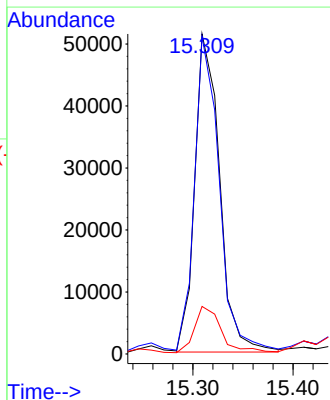
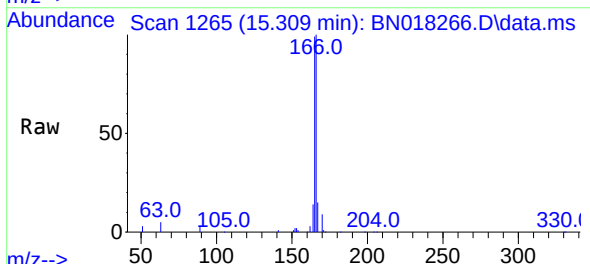
Manual Integrations
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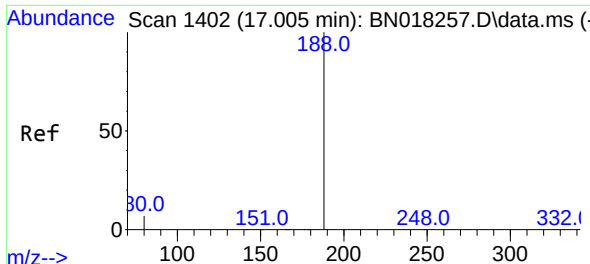
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021



#18
Fluorene
Concen: 0.413 ng m
RT: 15.309 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BN018266.D
Acq: 29 Dec 2021 18:13

Tgt Ion:166 Resp: 88745
Ion Ratio Lower Upper
166 100
165 103.6 77.8 116.6
167 15.7 10.9 16.3





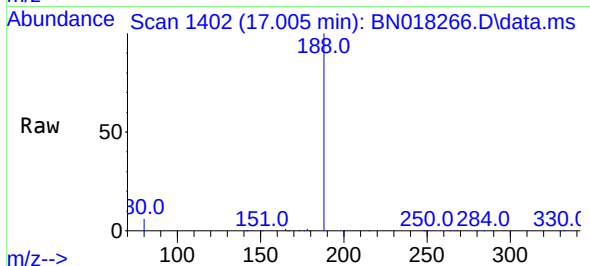
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.005 min Scan# 1402
Delta R.T. 0.000 min
Lab File: BN018266.D
Acq: 29 Dec 2021 18:13

Instrument :

BNA_N

ClientSampleId :

SB-COMPDL

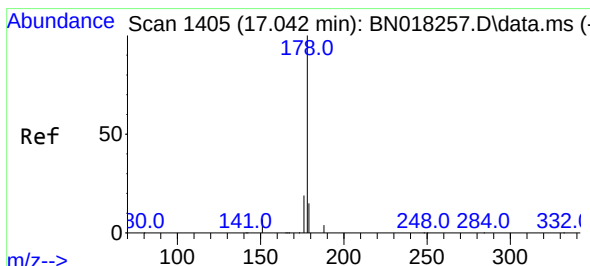
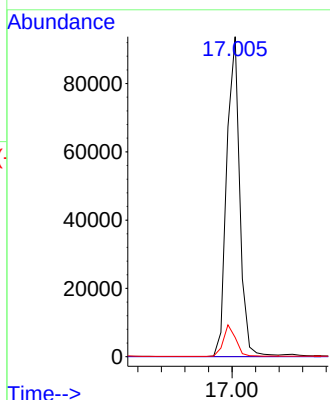
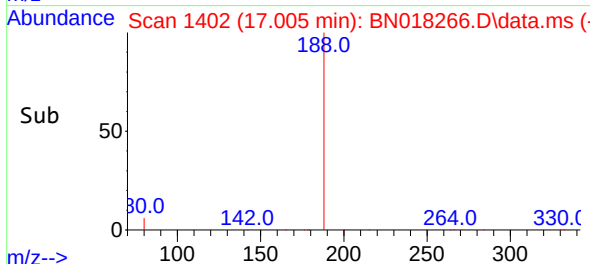


Tgt Ion:188 Resp: 143364
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.0 7.0 10.4

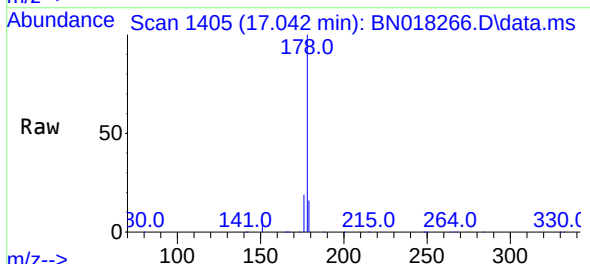
Manual Integrations

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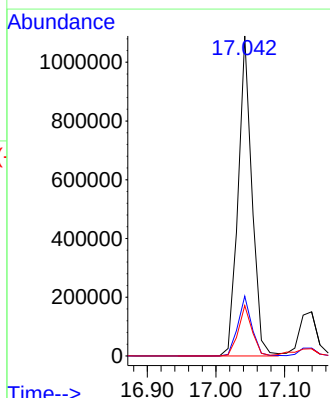
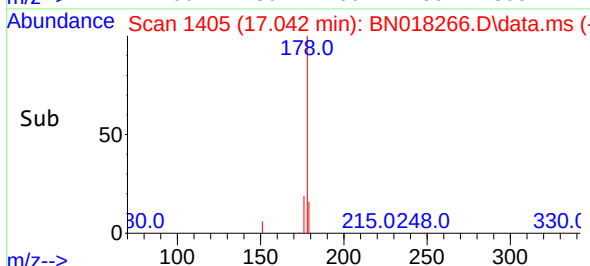
Reviewed By :Jagrut Upadhyay 12/30/2021
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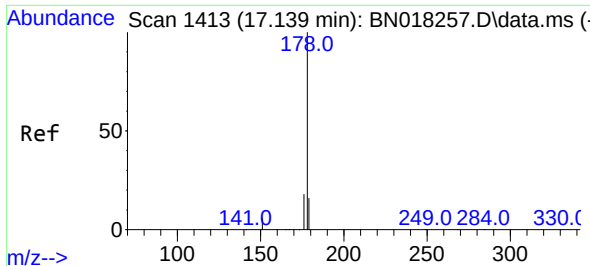


#25
Phenanthrene
Concen: 4.034 ng
RT: 17.042 min Scan# 1405
Delta R.T. -0.000 min
Lab File: BN018266.D
Acq: 29 Dec 2021 18:13



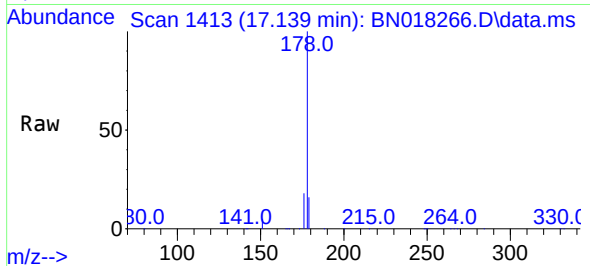
Tgt Ion:178 Resp: 1524680
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 15.6 12.3 18.5





#26
 Anthracene
 Concen: 0.824 ng
 RT: 17.139 min Scan# 1413
 Delta R.T. 0.000 min
 Lab File: BN018266.D
 Acq: 29 Dec 2021 18:13

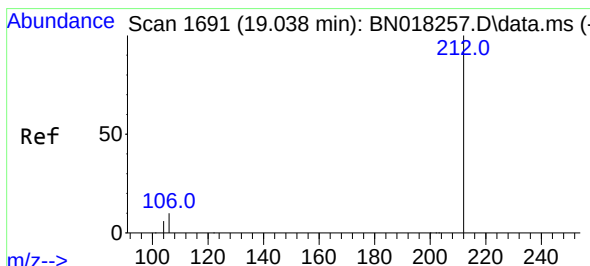
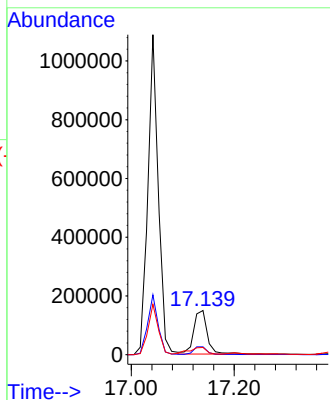
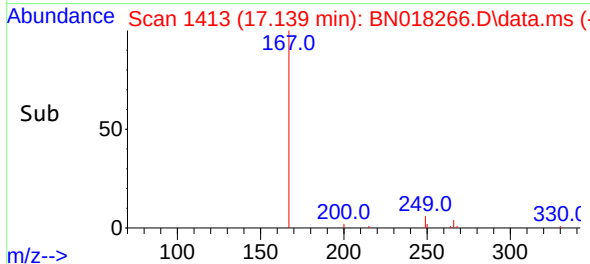
Instrument :
 BNA_N
 ClientSampleId :
 SB-COMPDL



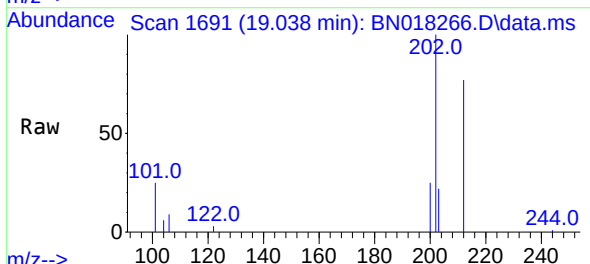
Tgt Ion:178 Resp: 273149
 Ion Ratio Lower Upper
 178 100
 176 17.8 14.8 22.2
 179 19.9 12.2 18.4

Manual Integrations
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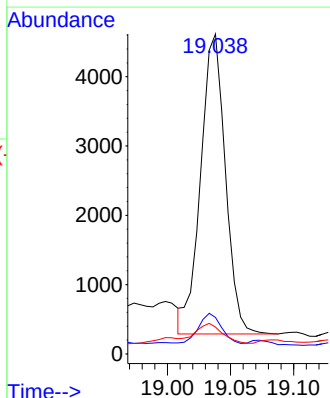
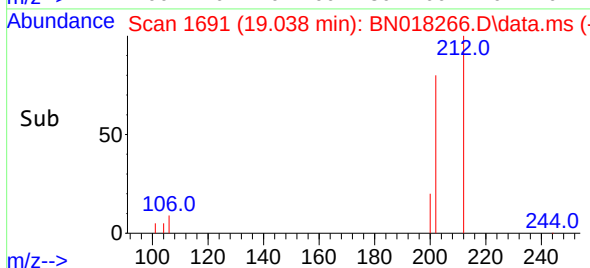
Reviewed By :Jagrut Upadhyay 12/30/2021
 Supervised By :mohammad ahmed 12/30/2021

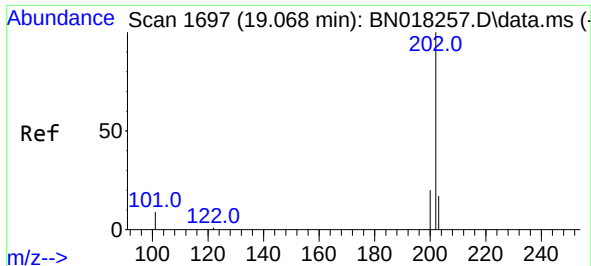


#27
 Fluoranthene-d10
 Concen: 0.013 ng
 RT: 19.038 min Scan# 1691
 Delta R.T. -0.000 min
 Lab File: BN018266.D
 Acq: 29 Dec 2021 18:13



Tgt Ion:212 Resp: 5912
 Ion Ratio Lower Upper
 212 100
 106 9.0 8.4 12.6
 104 7.2 4.5 6.7





#28
Fluoranthene
Concen: 3.538 ng
RT: 19.068 min Scan# 1697
Delta R.T. -0.000 min
Lab File: BN018266.D
Acq: 29 Dec 2021 18:13

Instrument :

BNA_N

ClientSampleId :

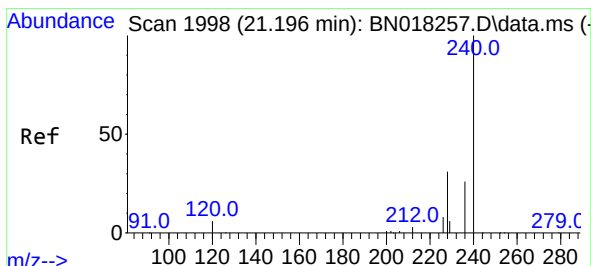
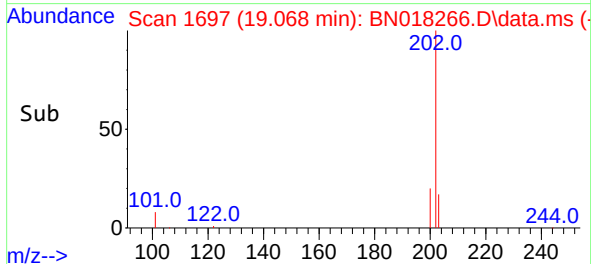
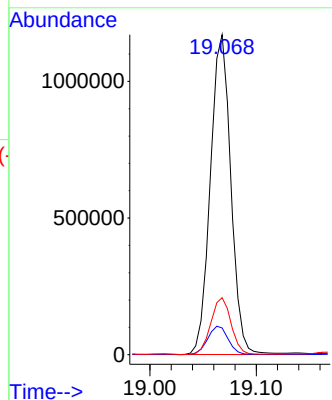
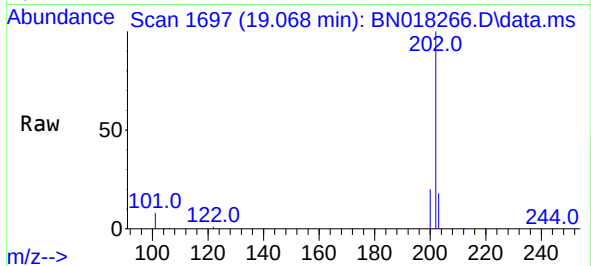
SB-COMPDL

Tgt Ion:202 Resp: 1566064
Ion Ratio Lower Upper
202 100
101 8.9 7.2 10.8
203 17.6 13.7 20.5

Manual Integrations

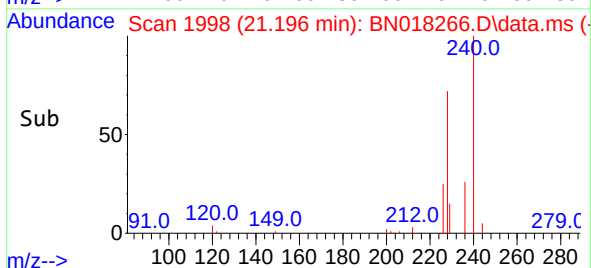
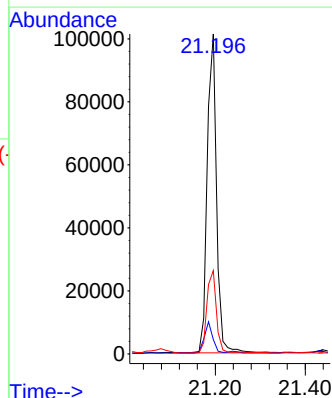
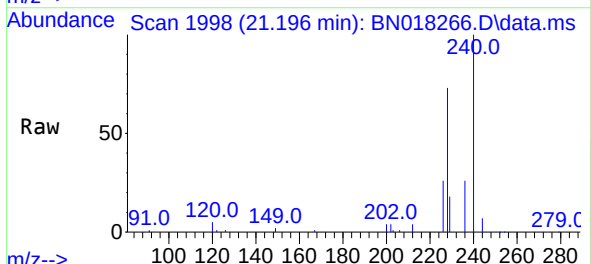
APPROVED

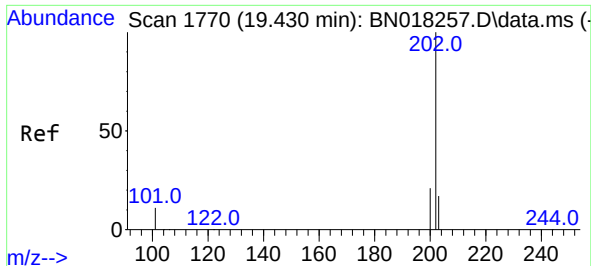
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.196 min Scan# 1998
Delta R.T. -0.000 min
Lab File: BN018266.D
Acq: 29 Dec 2021 18:13

Tgt Ion:240 Resp: 145360
Ion Ratio Lower Upper
240 100
120 4.5 6.0 9.0#
236 26.1 21.4 32.2





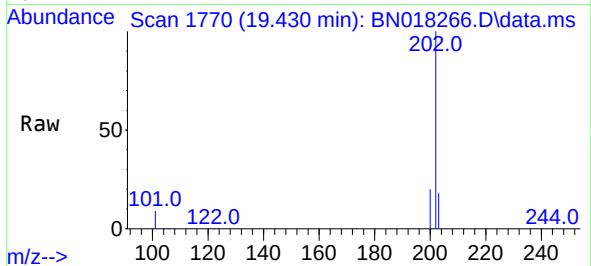
#30
Pyrene
Concen: 2.528 ng
RT: 19.430 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN018266.D
Acq: 29 Dec 2021 18:13

Instrument :

BNA_N

ClientSampleId :

SB-COMPDL

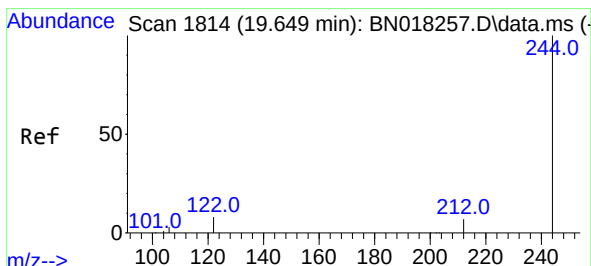
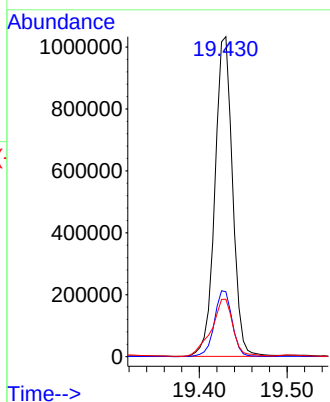
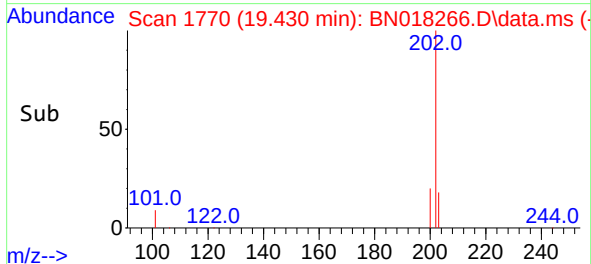


Tgt Ion:202 Resp: 1440752
Ion Ratio Lower Upper
202 100
200 20.8 16.6 25.0
203 21.9 14.1 21.1

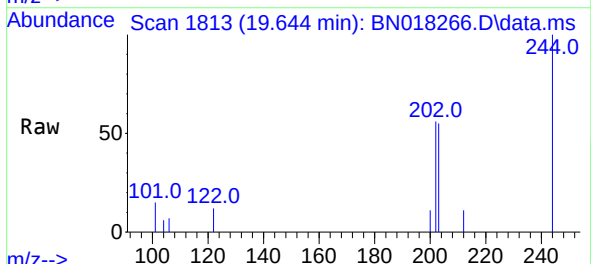
Manual Integrations

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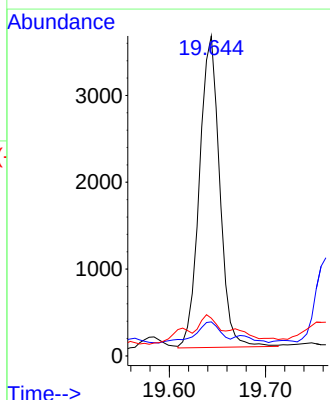
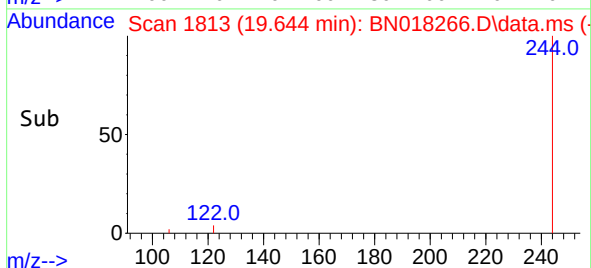
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021

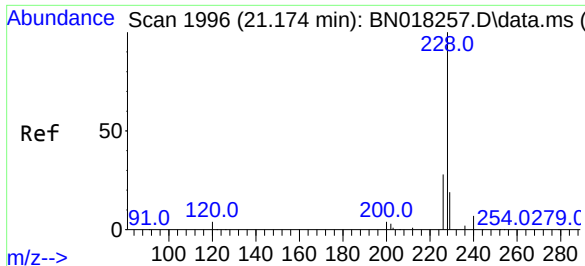


#31
Terphenyl-d14
Concen: 0.014 ng
RT: 19.644 min Scan# 1813
Delta R.T. -0.005 min
Lab File: BN018266.D
Acq: 29 Dec 2021 18:13



Tgt Ion:244 Resp: 5240
Ion Ratio Lower Upper
244 100
212 10.6 6.2 9.2#
122 11.8 7.9 11.9





#32
Benzo(a)anthracene
Concen: 1.483 ng
RT: 21.174 min Scan# 1996
Delta R.T. 0.000 min
Lab File: BN018266.D
Acq: 29 Dec 2021 18:13

Instrument :

BNA_N

ClientSampleId :

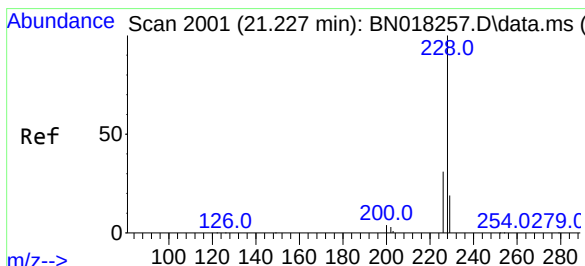
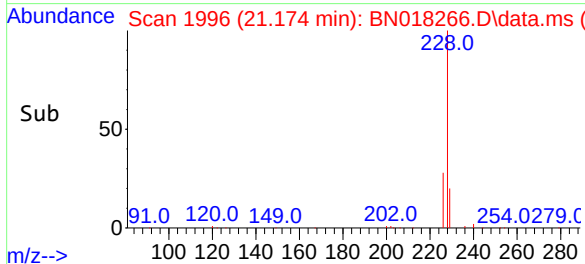
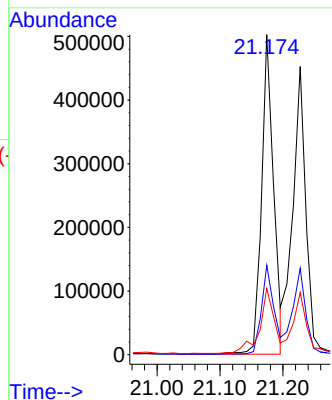
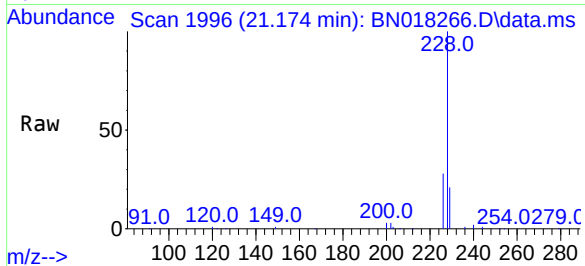
SB-COMPDL

Tgt Ion:228 Resp: 670140
Ion Ratio Lower Upper
228 100
226 27.9 21.3 31.9
229 20.7 15.9 23.9

Manual Integrations

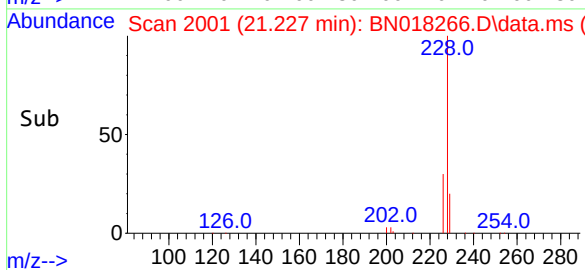
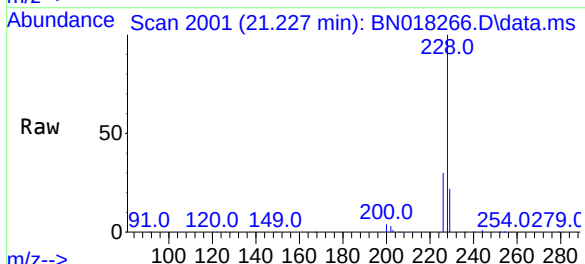
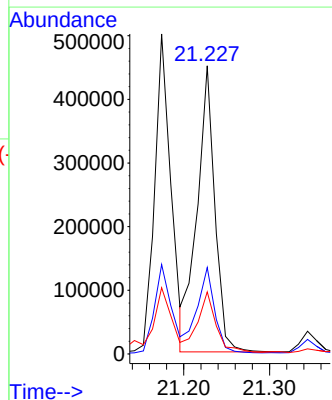
APPROVED

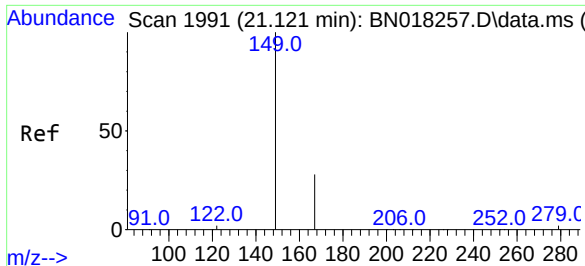
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021



#33
Chrysene
Concen: 1.381 ng
RT: 21.227 min Scan# 2001
Delta R.T. -0.000 min
Lab File: BN018266.D
Acq: 29 Dec 2021 18:13

Tgt Ion:228 Resp: 646165
Ion Ratio Lower Upper
228 100
226 30.0 24.2 36.4
229 21.6 15.5 23.3





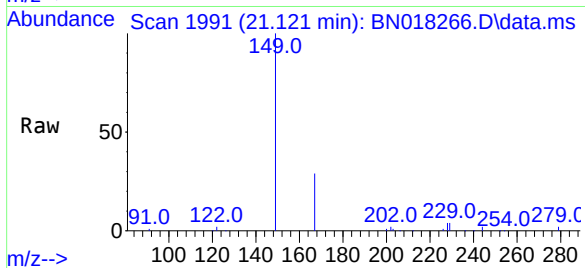
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.675 ng
RT: 21.121 min Scan# 1991
Delta R.T. -0.000 min
Lab File: BN018266.D
Acq: 29 Dec 2021 18:13

Instrument :

BNA_N

ClientSampleId :

SB-COMPDL

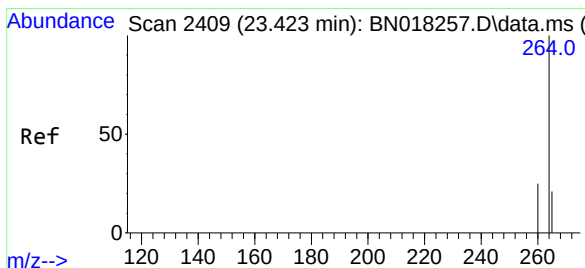
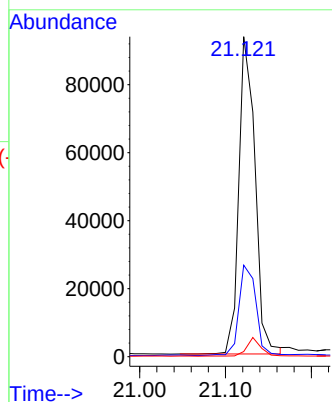
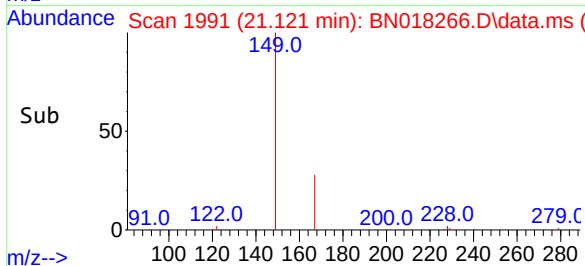


Tgt Ion:149 Resp: 122430
Ion Ratio Lower Upper
149 100
167 29.9 23.7 35.5
279 5.0 3.6 5.4

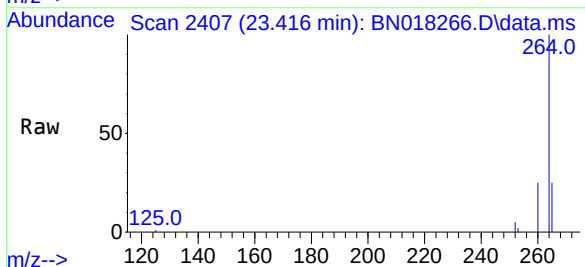
Manual Integrations

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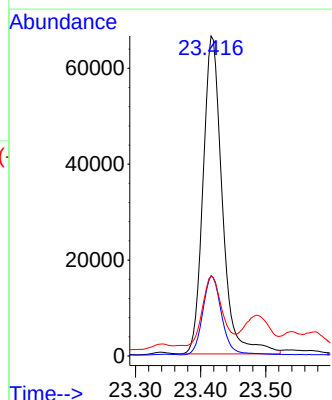
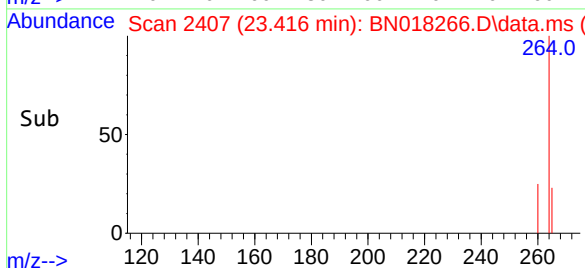
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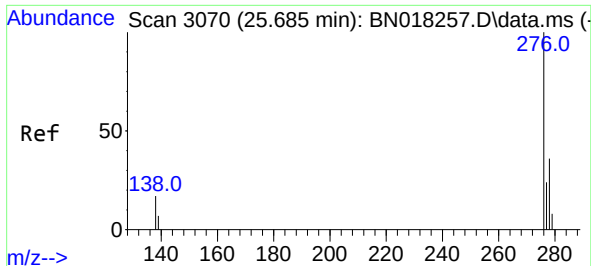


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.416 min Scan# 2407
Delta R.T. -0.007 min
Lab File: BN018266.D
Acq: 29 Dec 2021 18:13



Tgt Ion:264 Resp: 136053
Ion Ratio Lower Upper
264 100
260 25.1 20.2 30.4
265 24.9 18.2 27.2





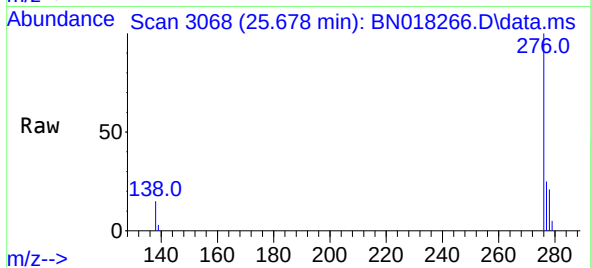
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.724 ng
RT: 25.678 min Scan# 3070
Delta R.T. -0.007 min
Lab File: BN018266.D
Acq: 29 Dec 2021 18:13

Instrument :

BNA_N

ClientSampleId :

SB-COMPDL

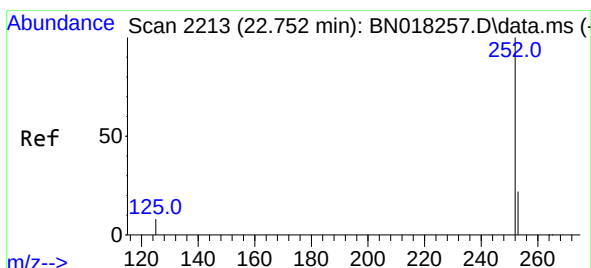
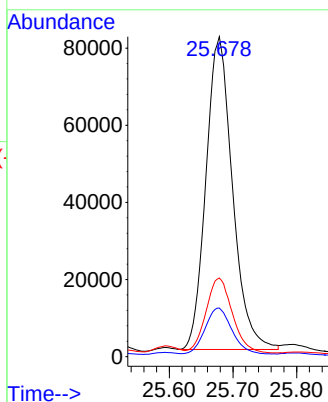
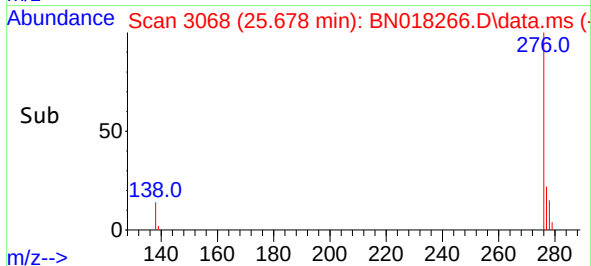


Tgt Ion:276 Resp: 235247
Ion Ratio Lower Upper
276 100
138 14.7 14.9 22.3
277 23.8 19.9 29.9

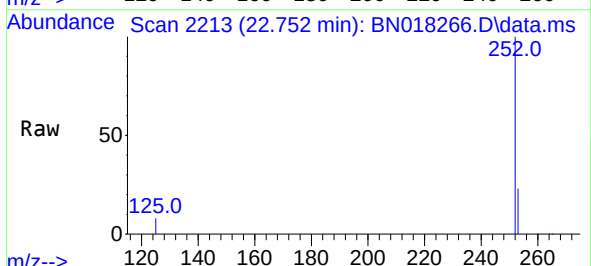
Manual Integrations

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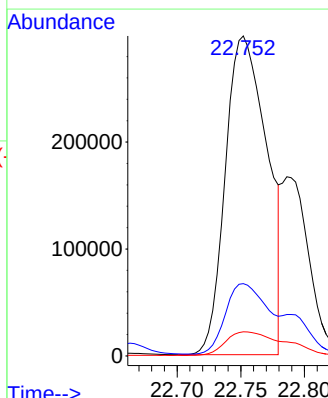
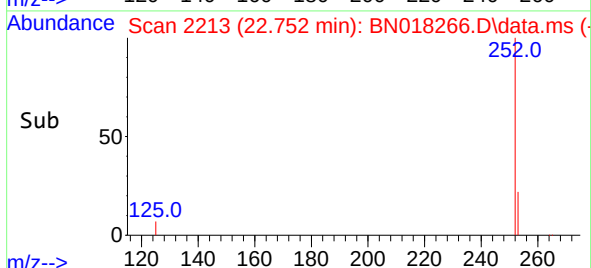
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021

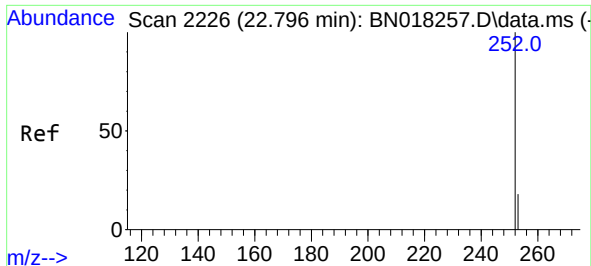


#37
Benzo(b)fluoranthene
Concen: 1.570 ng
RT: 22.752 min Scan# 2213
Delta R.T. -0.000 min
Lab File: BN018266.D
Acq: 29 Dec 2021 18:13



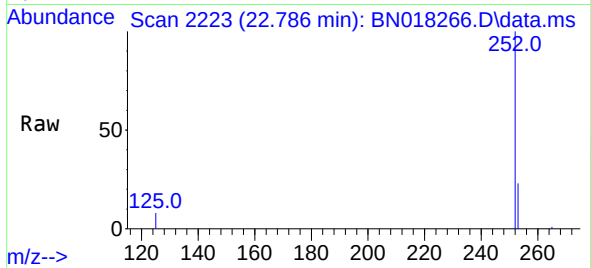
Tgt Ion:252 Resp: 678937
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.6
125 7.6 6.0 9.0





#38
Benzo(k)fluoranthene
Concen: 0.607 ng m
RT: 22.786 min Scan# 21
Delta R.T. -0.010 min
Lab File: BN018266.D
Acq: 29 Dec 2021 18:13

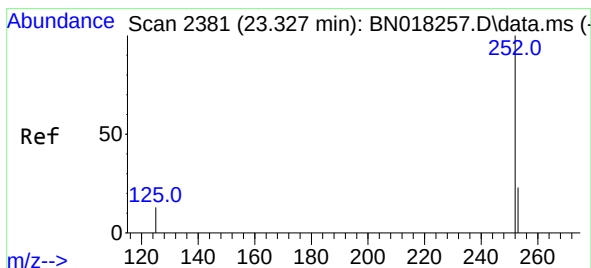
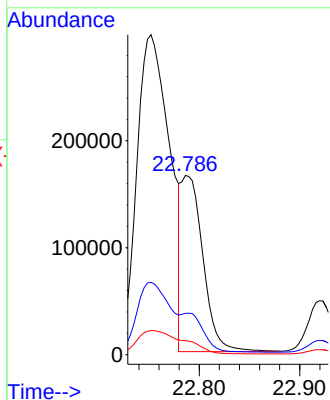
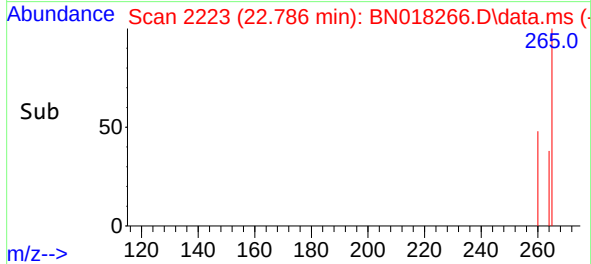
Instrument :
BNA_N
ClientSampleId :
SB-COMPDL



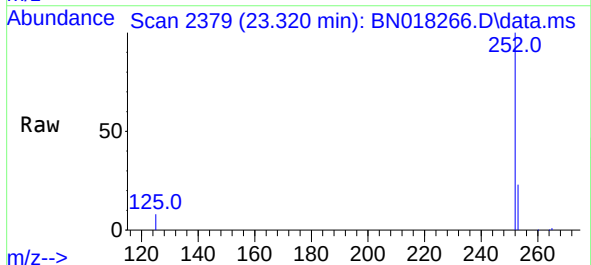
Tgt Ion:252 Resp: 248444
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 7.8 6.2 9.2

Manual Integrations
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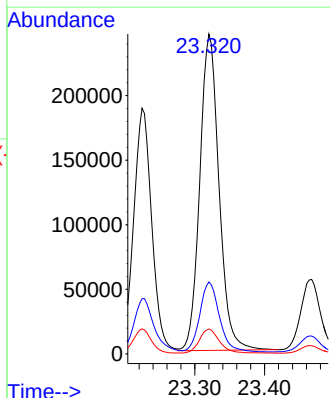
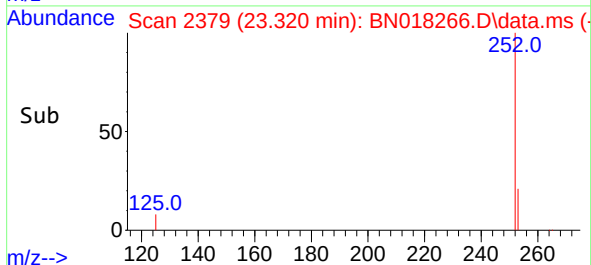
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021

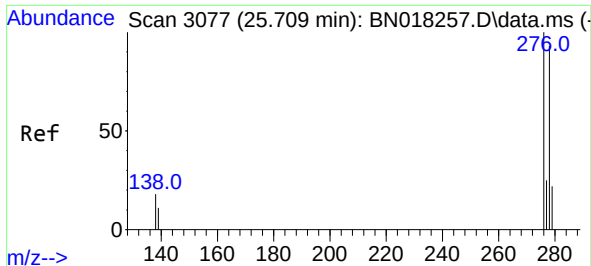


#39
Benzo(a)pyrene
Concen: 1.246 ng
RT: 23.320 min Scan# 2379
Delta R.T. -0.007 min
Lab File: BN018266.D
Acq: 29 Dec 2021 18:13



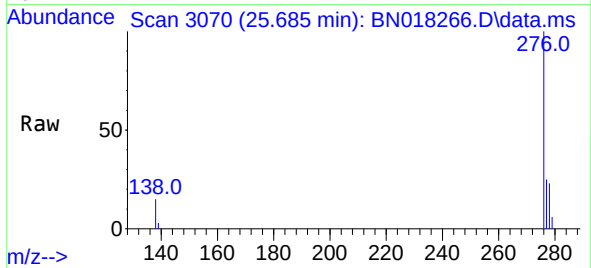
Tgt Ion:252 Resp: 468731
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.6
125 7.8 7.0 10.4





#40
Dibenzo(a,h)anthracene
Concen: 0.229 ng
RT: 25.685 min Scan# 3077
Delta R.T. -0.024 min
Lab File: BN018266.D
Acq: 29 Dec 2021 18:13

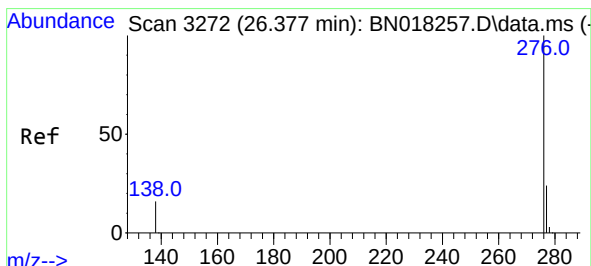
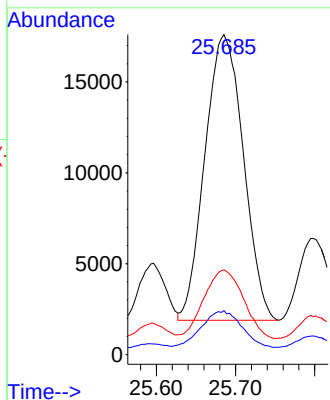
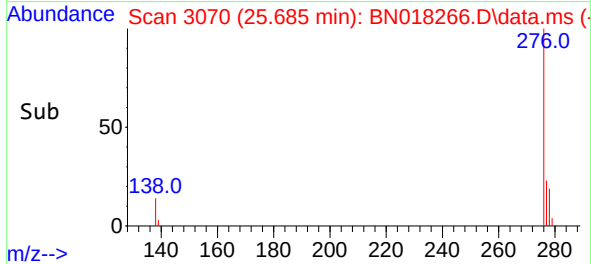
Instrument :
BNA_N
ClientSampleId :
SB-COMPDL



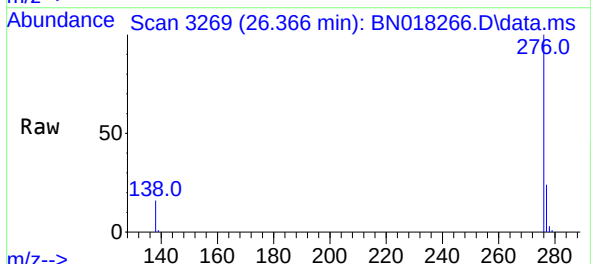
Tgt Ion:278 Resp: 53034
Ion Ratio Lower Upper
278 100
139 13.7 10.8 16.2
279 26.5 19.0 28.4

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021



#41
Benzo(g,h,i)perylene
Concen: 0.737 ng
RT: 26.366 min Scan# 3269
Delta R.T. -0.010 min
Lab File: BN018266.D
Acq: 29 Dec 2021 18:13



Tgt Ion:276 Resp: 238742
Ion Ratio Lower Upper
276 100
277 24.2 19.0 28.6
138 15.7 12.6 19.0

