

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012722\
 Data File : BN018496.D
 Acq On : 27 Jan 2022 19:46
 Operator : CG/JU
 Sample : N1245-10DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SB-5(3.5-4)DL

Quant Time: Jan 28 03:06:31 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN012722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 28 03:03:43 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/31/2022
 Supervised By :mohammad ahmed 02/01/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.937	152	32567	0.400	ng	0.00
7) Naphthalene-d8	10.736	136	146129	0.400	ng	# 0.00
13) Acenaphthene-d10	14.560	164	85513	0.400	ng	0.00
19) Phenanthrene-d10	17.297	188	166484	0.400	ng	# 0.00
29) Chrysene-d12	21.472	240	149901	0.400	ng	0.00
35) Perylene-d12	23.875	264	156427	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.494	112	4189	0.051	ng	0.00
5) Phenol-d6	7.089	99	4595	0.051	ng	0.00
8) Nitrobenzene-d5	9.088	82	5289	0.052	ng	0.00
11) 2-Methylnaphthalene-d10	12.323	152	10632	0.045	ng	0.00
14) 2,4,6-Tribromophenol	16.044	330	1520	0.147	ng	0.00
15) 2-Fluorobiphenyl	13.190	172	15079	0.044	ng	0.00
27) Fluoranthene-d10	19.321	212	20187	0.041	ng	0.00
31) Terphenyl-d14	19.917	244	16722	0.044	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.787	128	47772	0.125	ng	100
12) 2-Methylnaphthalene	12.394	142	9554	0.037	ng	98
16) Acenaphthylene	14.281	152	51564	0.143	ng	100
17) Acenaphthene	14.624	154	11877	0.049	ng	98
18) Fluorene	15.601	166	24058	0.082	ng	# 97
25) Phenanthrene	17.334	178	343072	0.705	ng	99
26) Anthracene	17.431	178	137921	0.334	ng	99
28) Fluoranthene	19.351	202	1195390	2.228	ng	# 97
30) Pyrene	19.713	202	1031919	2.010	ng	# 95
32) Benzo(a)anthracene	21.450	228	1101309	2.211	ng	97
33) Chrysene	21.503	228	778801	1.543	ng	97
34) Bis(2-ethylhexyl)phtha...	21.387	149	5372	0.027	ng	90
36) Indeno(1,2,3-cd)pyrene	26.363	276	476096	0.846	ng	97
37) Benzo(b)fluoranthene	23.145	252	1112246	2.065	ng	# 97
38) Benzo(k)fluoranthene	23.187	252	425351m	0.790	ng	
39) Benzo(a)pyrene	23.768	252	871554	2.023	ng	# 97
40) Dibenzo(a,h)anthracene	26.377	278	145356	0.331	ng	# 87
41) Benzo(g,h,i)perylene	27.130	276	384958	0.786	ng	# 94

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

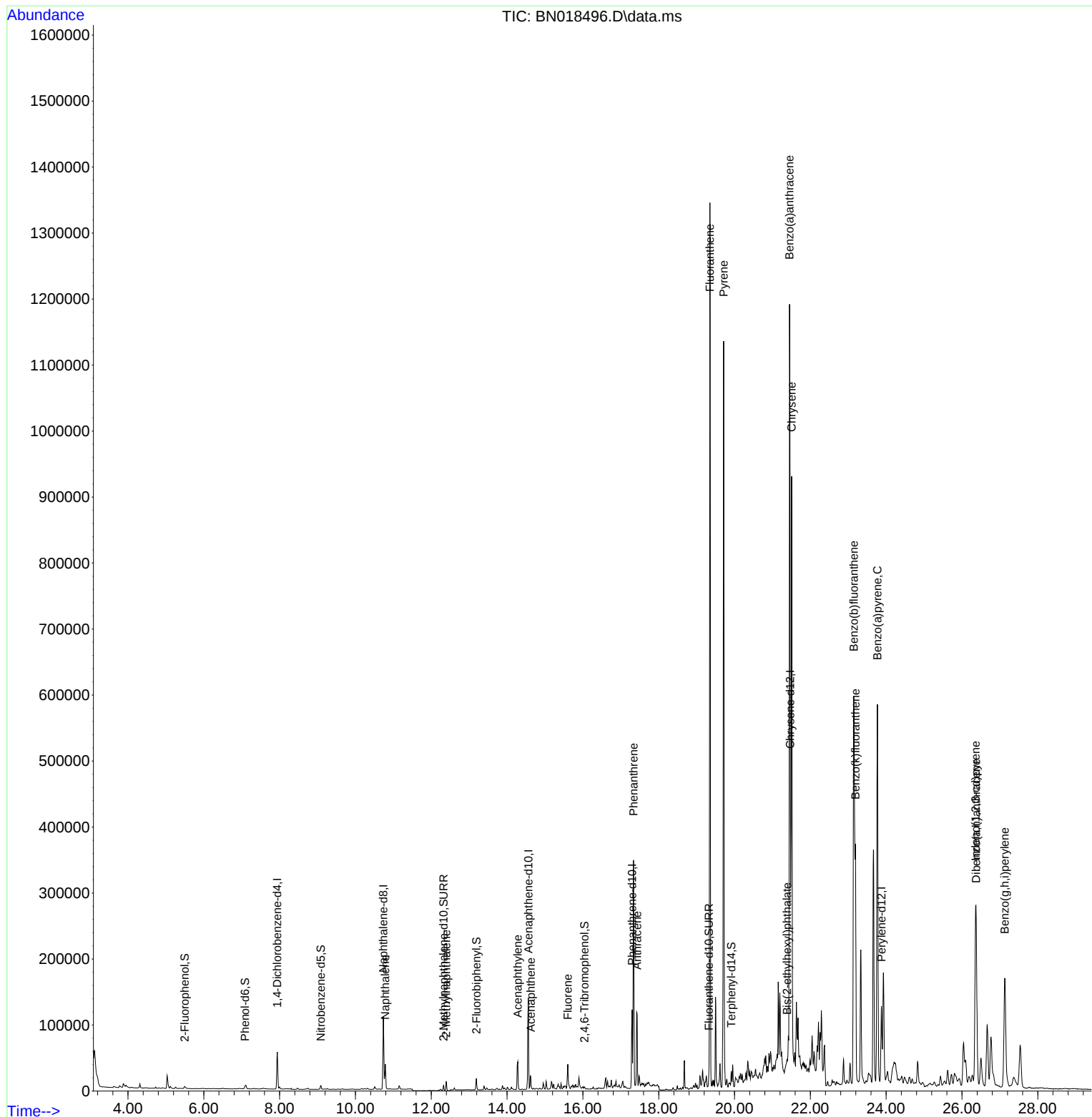
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012722\
Data File : BN018496.D
Acq On : 27 Jan 2022 19:46
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Sample : N1245-10DL 5X
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ALS Vial : 16 Sample Multiplier: 1

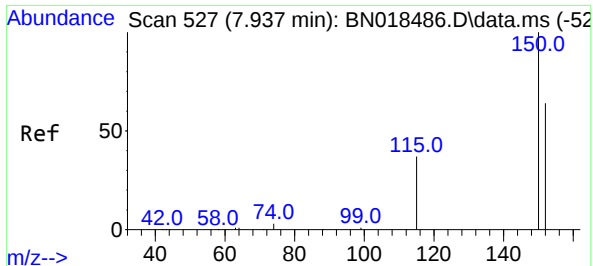
Instrument :
BNA_N
ClientSampleId :
SB-5(3.5-4)DL

Quant Time: Jan 28 03:06:31 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN012722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 28 03:03:43 2022
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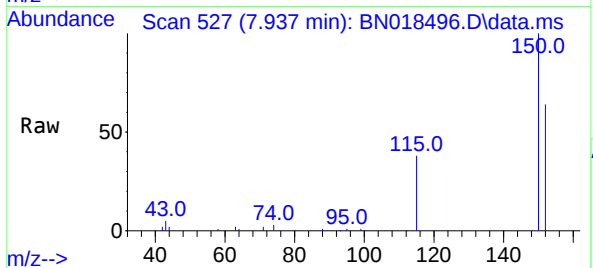
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1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.937 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN018496.D
Acq: 27 Jan 2022 19:46

Instrument :

BNA_N

ClientSampleId :

SB-5(3.5-4)DL

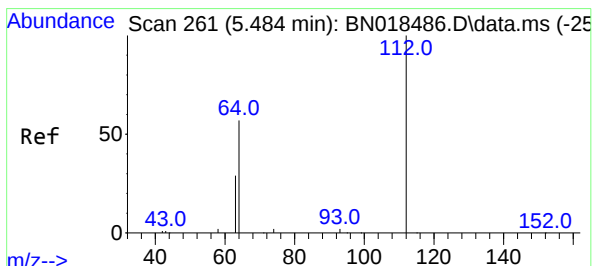
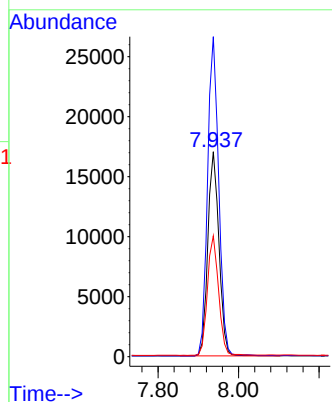


Tgt Ion:152 Resp: 3256
Ion Ratio Lower Upper
152 100
150 156.1 121.7 182.5
115 59.0 43.8 65.8

Manual Integrations

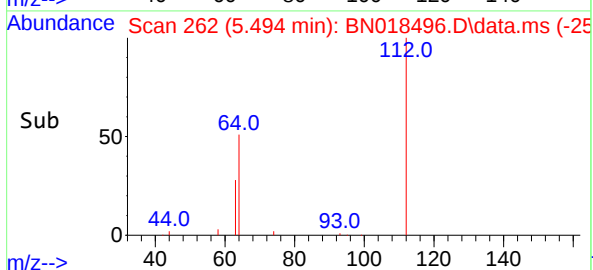
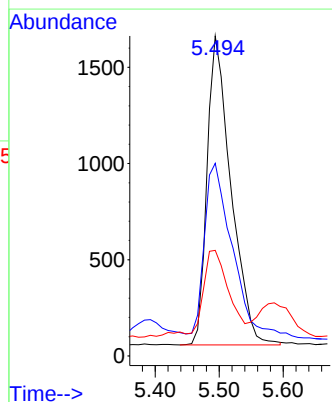
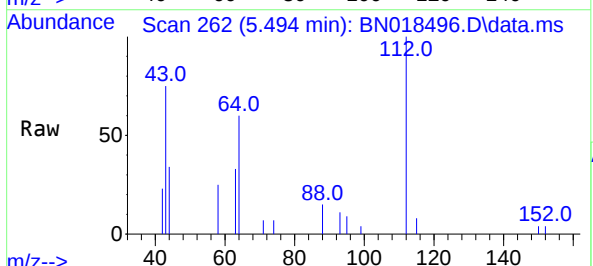
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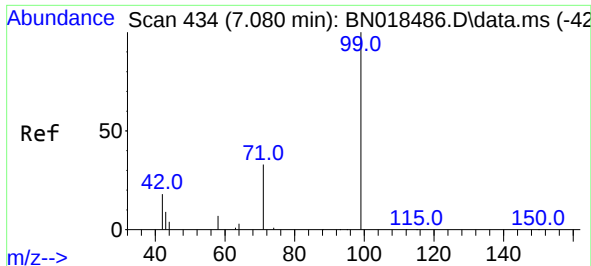
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022



#4
2-Fluorophenol
Concen: 0.051 ng
RT: 5.494 min Scan# 262
Delta R.T. 0.009 min
Lab File: BN018496.D
Acq: 27 Jan 2022 19:46

Tgt Ion:112 Resp: 4189
Ion Ratio Lower Upper
112 100
64 61.2 48.0 72.0
63 30.1 25.3 37.9





#5
Phenol-d6
Concen: 0.051 ng
RT: 7.089 min Scan# 434
Delta R.T. 0.009 min
Lab File: BN018496.D
Acq: 27 Jan 2022 19:46

Instrument :

BNA_N

ClientSampleId :

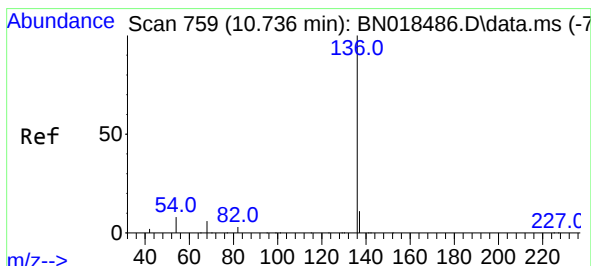
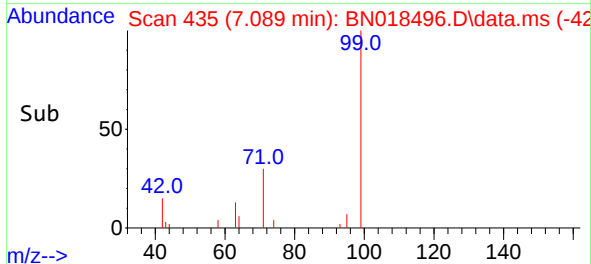
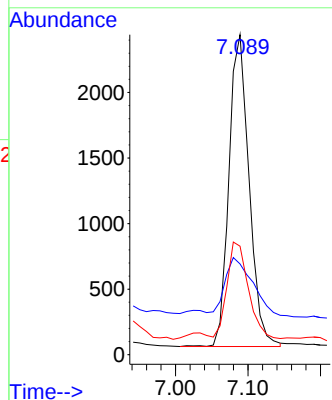
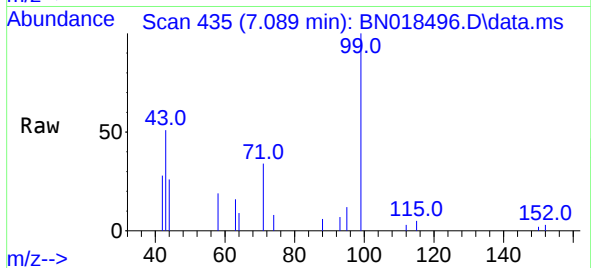
SB-5(3.5-4)DL

Tgt Ion: 99 Resp: 459
Ion Ratio Lower Upper
99 100
42 25.0 16.3 24.5
71 32.9 26.8 40.2

Manual Integrations

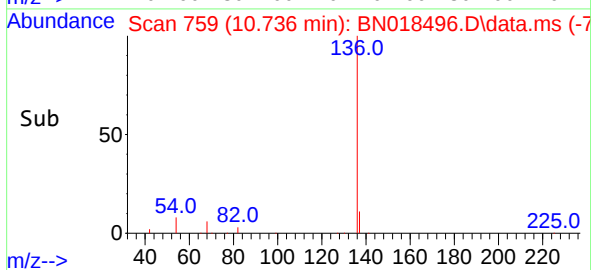
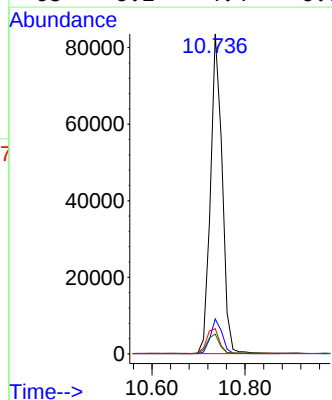
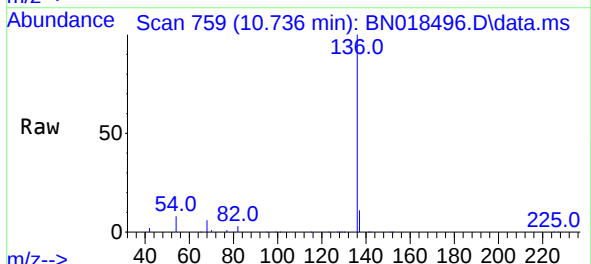
APPROVED

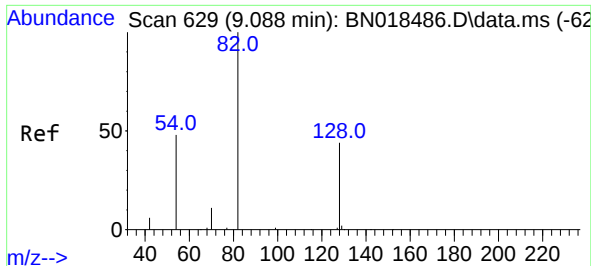
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.736 min Scan# 759
Delta R.T. 0.000 min
Lab File: BN018496.D
Acq: 27 Jan 2022 19:46

Tgt Ion:136 Resp: 146129
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.9 5.0 7.6
68 6.2 4.4 6.6





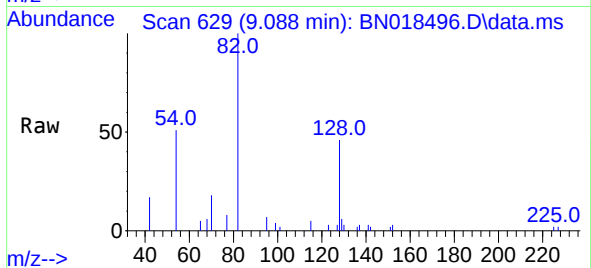
#8
Nitrobenzene-d5
Concen: 0.052 ng
RT: 9.088 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN018496.D
Acq: 27 Jan 2022 19:46

Instrument :

BNA_N

ClientSampleId :

SB-5(3.5-4)DL

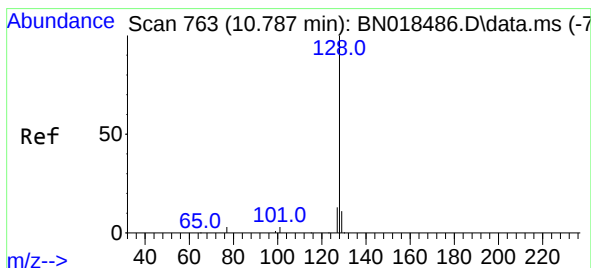
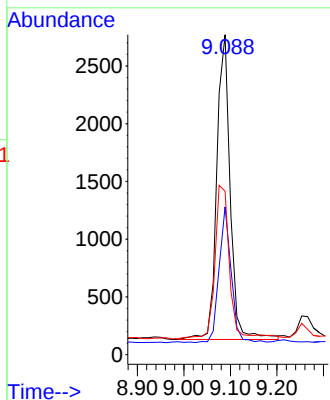
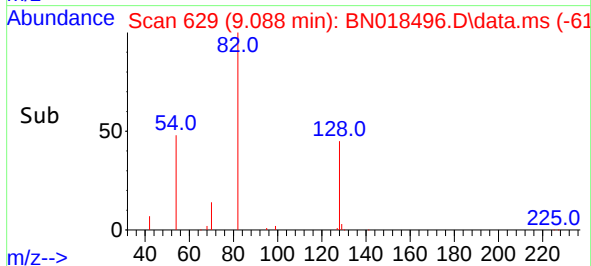


Tgt Ion: 82 Resp: 5289
Ion Ratio Lower Upper
82 100
128 46.2 33.7 50.5
54 51.1 36.6 55.0

Manual Integrations

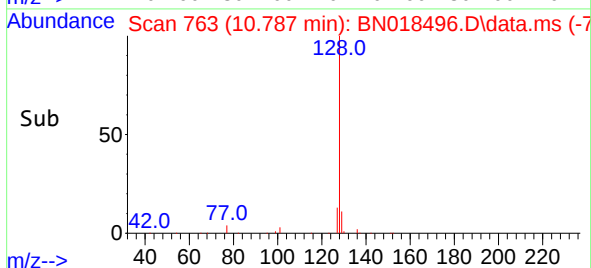
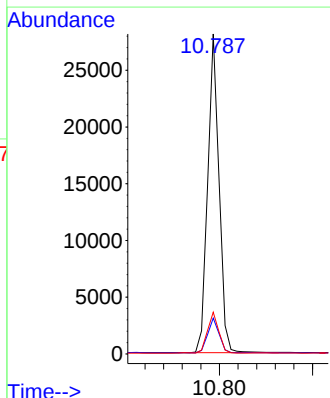
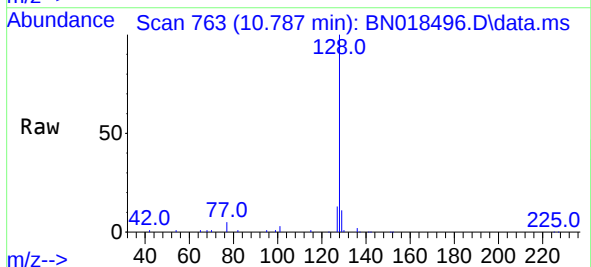
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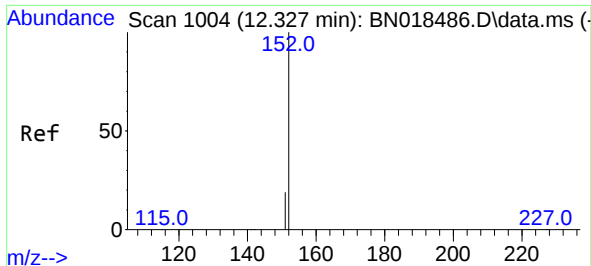
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022



#9
Naphthalene
Concen: 0.125 ng
RT: 10.787 min Scan# 763
Delta R.T. 0.000 min
Lab File: BN018496.D
Acq: 27 Jan 2022 19:46

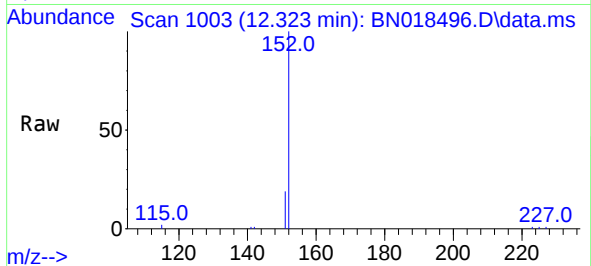
Tgt Ion:128 Resp: 47772
Ion Ratio Lower Upper
128 100
129 11.2 8.7 13.1
127 13.1 10.4 15.6





#11
2-Methylnaphthalene-d10
Concen: 0.045 ng
RT: 12.323 min Scan# 1003
Delta R.T. -0.004 min
Lab File: BN018496.D
Acq: 27 Jan 2022 19:46

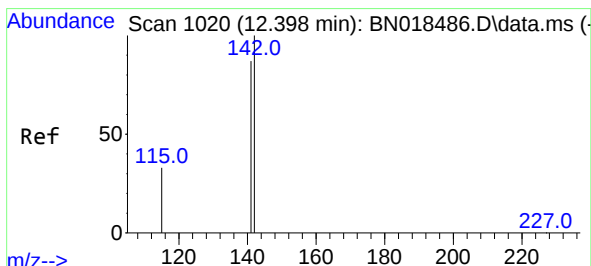
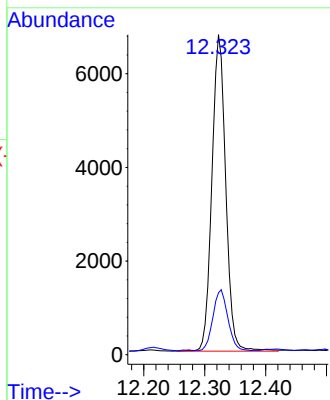
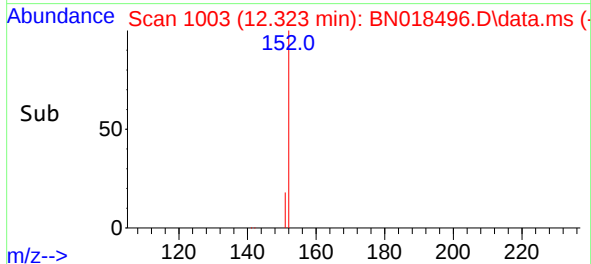
Instrument :
BNA_N
ClientSampleId :
SB-5(3.5-4)DL



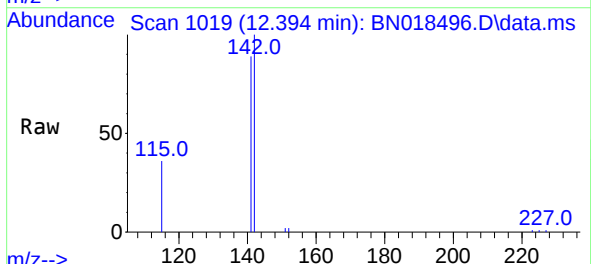
Tgt Ion:152 Resp: 10632
Ion Ratio Lower Upper
152 100
151 20.5 16.2 24.2

Manual Integrations
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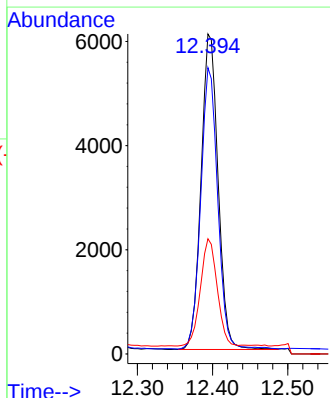
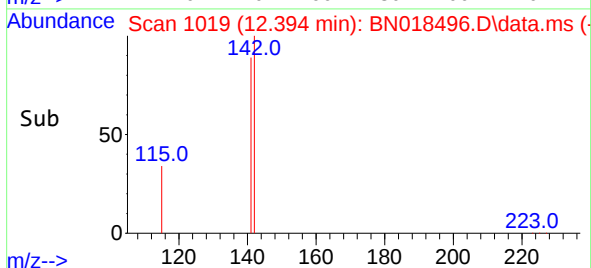
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Supervised By :mohammad ahmed 02/01/2022

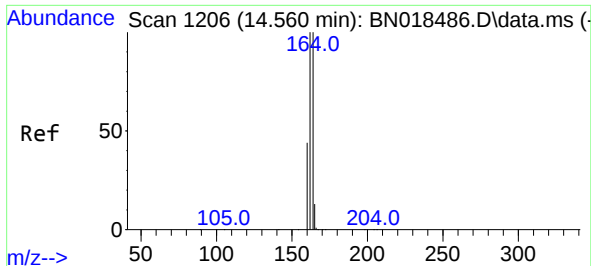


#12
2-Methylnaphthalene
Concen: 0.037 ng
RT: 12.394 min Scan# 1019
Delta R.T. -0.004 min
Lab File: BN018496.D
Acq: 27 Jan 2022 19:46



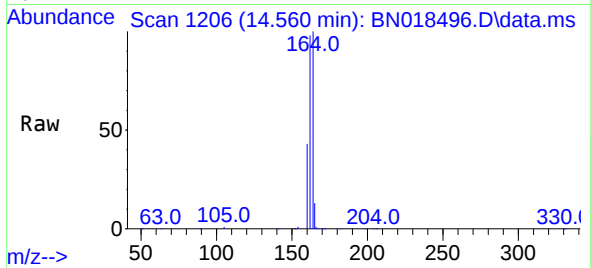
Tgt Ion:142 Resp: 9554
Ion Ratio Lower Upper
142 100
141 89.5 70.0 105.0
115 36.0 27.8 41.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.560 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BN018496.D
Acq: 27 Jan 2022 19:46

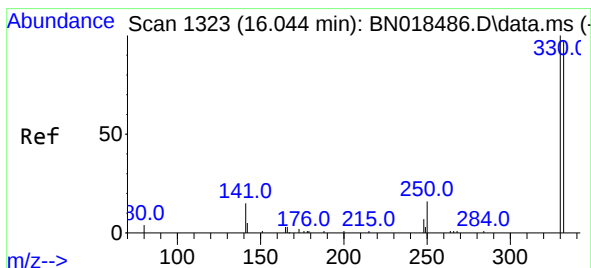
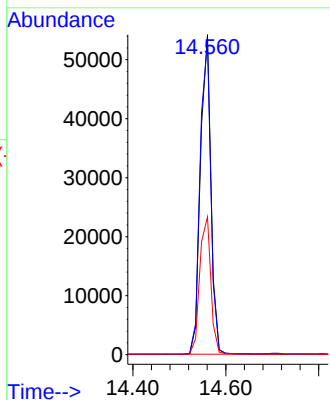
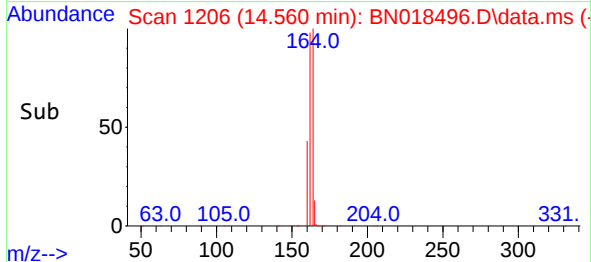
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SB-5(3.5-4)DL



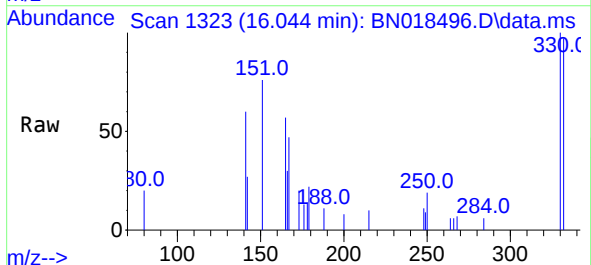
Tgt Ion:164 Resp: 8551
Ion Ratio Lower Upper
164 100
162 97.9 80.2 120.2
160 43.1 36.9 55.3

Manual Integrations
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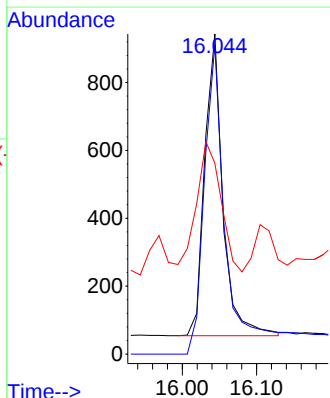
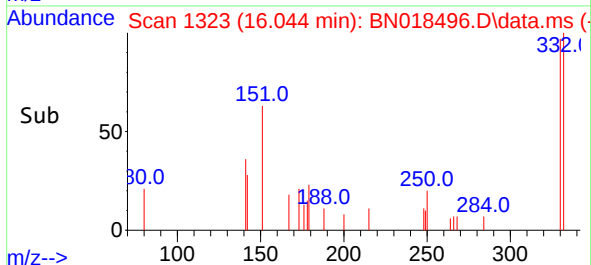
Reviewed By :Jagrut Upadhyay 01/31/2022
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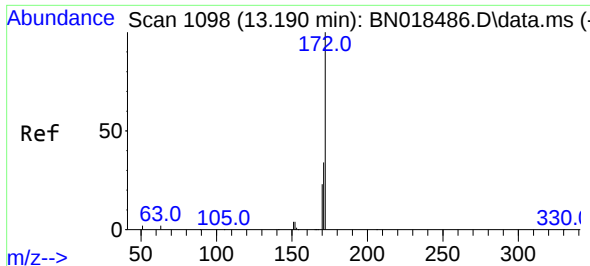


#14
2,4,6-Tribromophenol
Concen: 0.147 ng
RT: 16.044 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BN018496.D
Acq: 27 Jan 2022 19:46



Tgt Ion:330 Resp: 1520
Ion Ratio Lower Upper
330 100
332 121.5 0.0 0.0#
141 57.0 21.3 31.9#





#15
2-Fluorobiphenyl
Concen: 0.044 ng
RT: 13.190 min Scan# 1098
Delta R.T. 0.000 min
Lab File: BN018496.D
Acq: 27 Jan 2022 19:46

Instrument :

BNA_N

ClientSampleId :

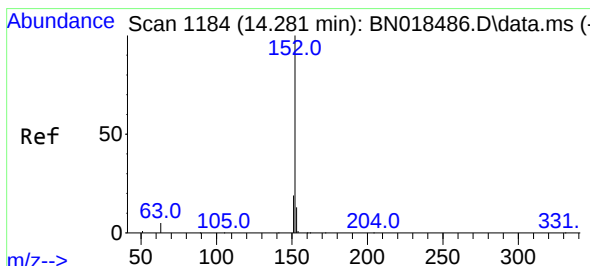
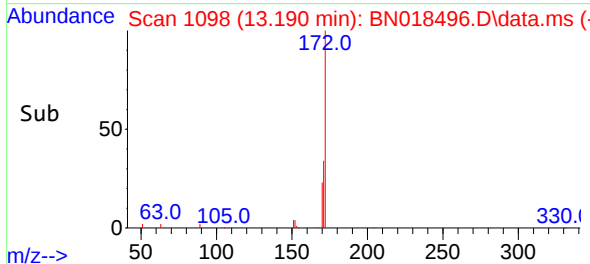
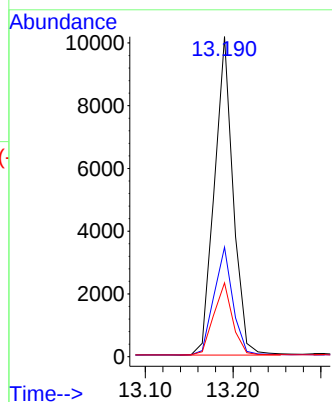
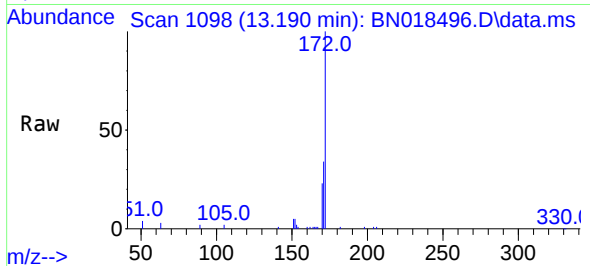
SB-5(3.5-4)DL

Tgt Ion:172 Resp: 15079
Ion Ratio Lower Upper
172 100
171 34.2 27.4 41.0
170 23.1 18.4 27.6

Manual Integrations

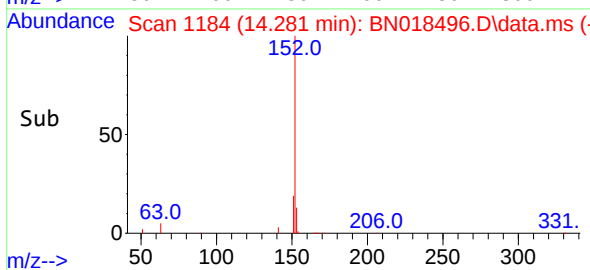
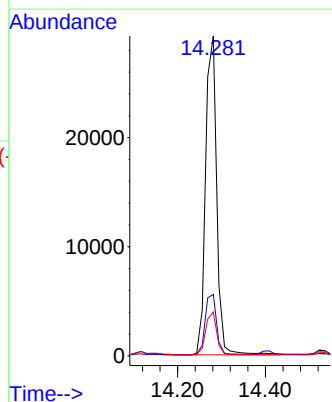
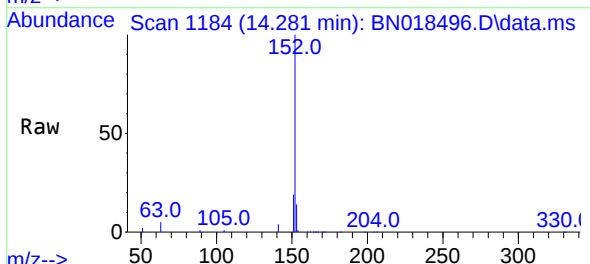
APPROVED

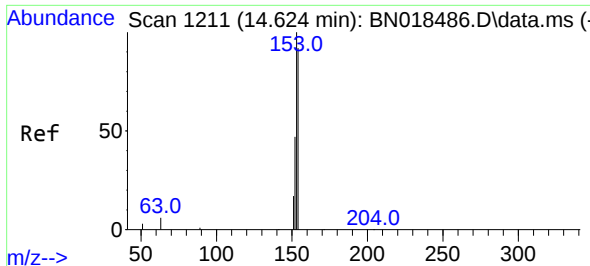
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022



#16
Acenaphthylene
Concen: 0.143 ng
RT: 14.281 min Scan# 1184
Delta R.T. 0.000 min
Lab File: BN018496.D
Acq: 27 Jan 2022 19:46

Tgt Ion:152 Resp: 51564
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.6
153 13.4 10.5 15.7





#17
Acenaphthene
Concen: 0.049 ng
RT: 14.624 min Scan# 1211
Delta R.T. 0.000 min
Lab File: BN018496.D
Acq: 27 Jan 2022 19:46

Instrument :

BNA_N

ClientSampleId :

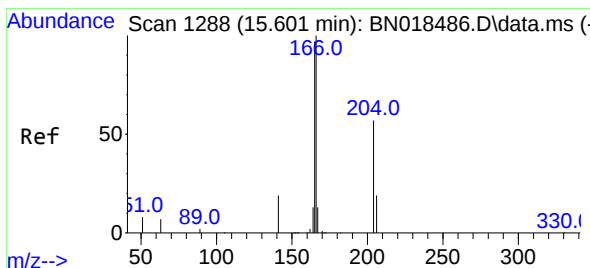
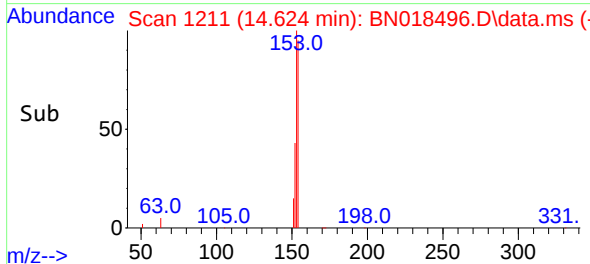
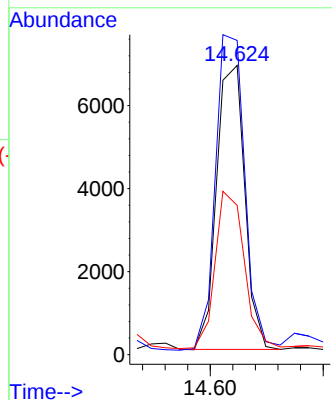
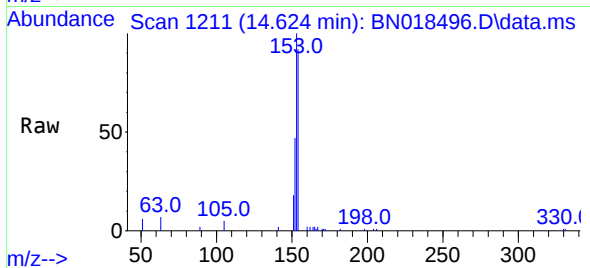
SB-5(3.5-4)DL

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Ion Ratio Lower Upper
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153 116.0 90.9 136.3
152 58.3 45.0 67.4

Manual Integrations

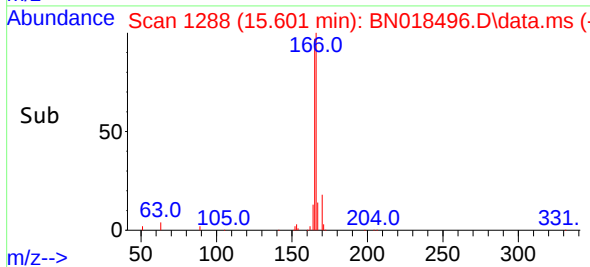
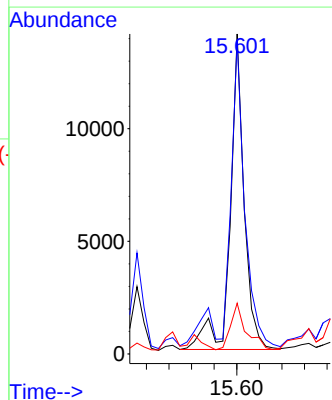
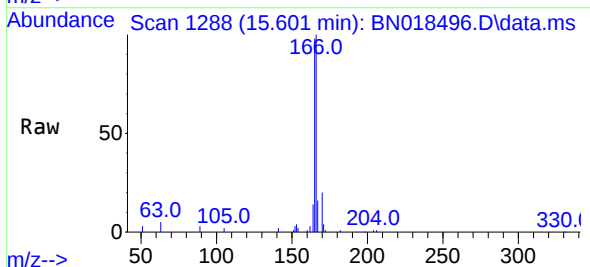
APPROVED

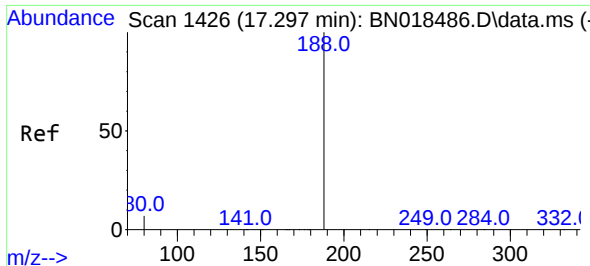
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022



#18
Fluorene
Concen: 0.082 ng
RT: 15.601 min Scan# 1288
Delta R.T. 0.000 min
Lab File: BN018496.D
Acq: 27 Jan 2022 19:46

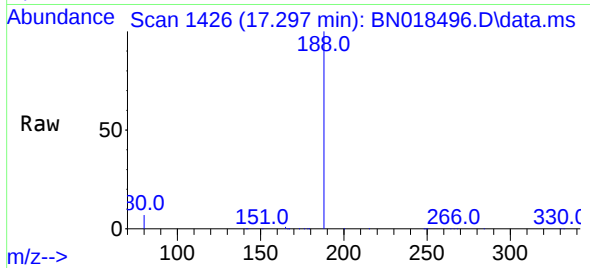
Tgt Ion:166 Resp: 24058
Ion Ratio Lower Upper
166 100
165 94.6 77.8 116.6
167 16.6 10.9 16.3#





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.297 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BN018496.D
Acq: 27 Jan 2022 19:46

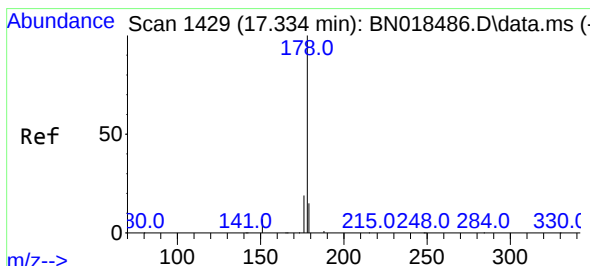
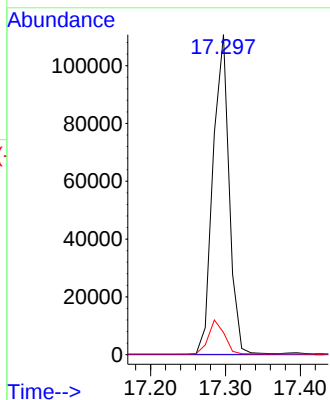
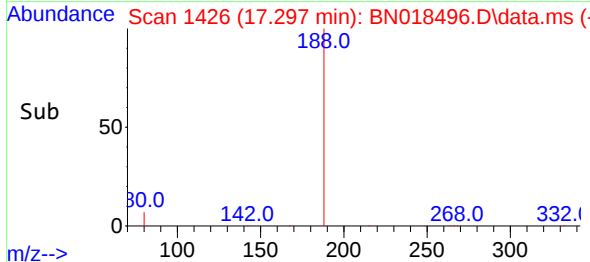
Instrument :
BNA_N
ClientSampleId :
SB-5(3.5-4)DL



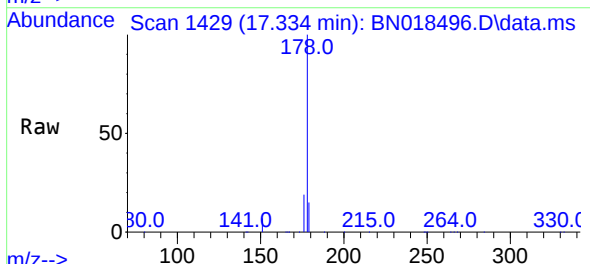
Tgt Ion:188 Resp: 166484
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.9 7.0 10.4

Manual Integrations
APPROVED

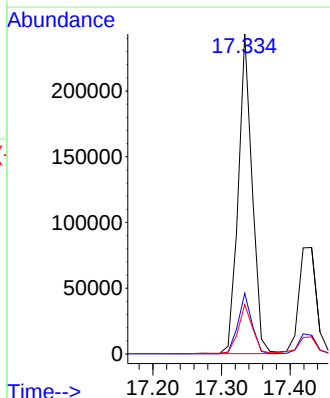
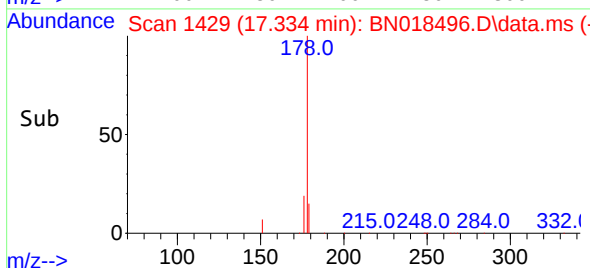
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022

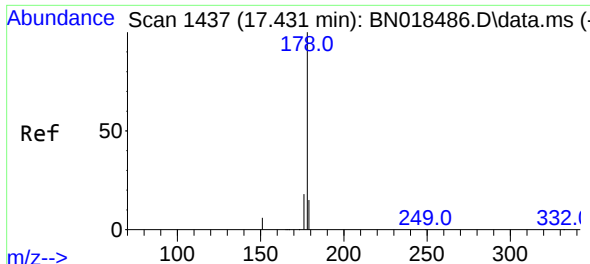


#25
Phenanthrene
Concen: 0.705 ng
RT: 17.334 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BN018496.D
Acq: 27 Jan 2022 19:46



Tgt Ion:178 Resp: 343072
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 15.7 12.3 18.5





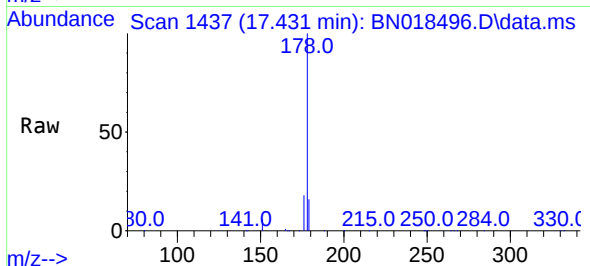
#26
 Anthracene
 Concen: 0.334 ng
 RT: 17.431 min Scan# 1437
 Delta R.T. 0.000 min
 Lab File: BN018496.D
 Acq: 27 Jan 2022 19:46

Instrument :

BNA_N

ClientSampleId :

SB-5(3.5-4)DL

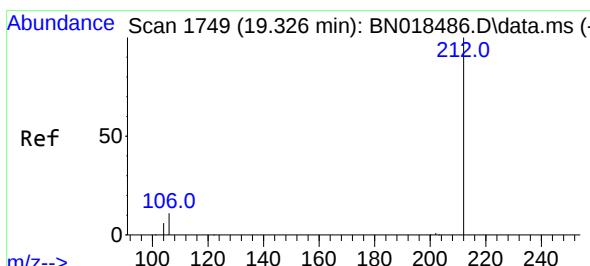
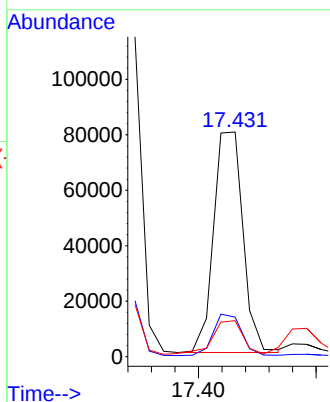
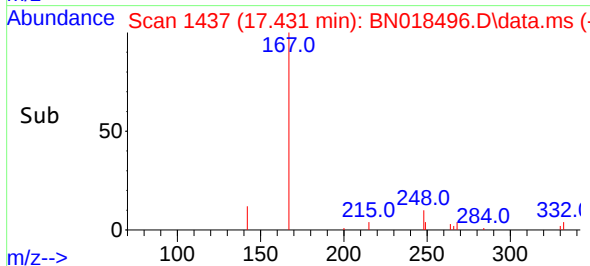


Tgt Ion:178 Resp: 13792
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.8 22.2
 179 15.6 12.2 18.4

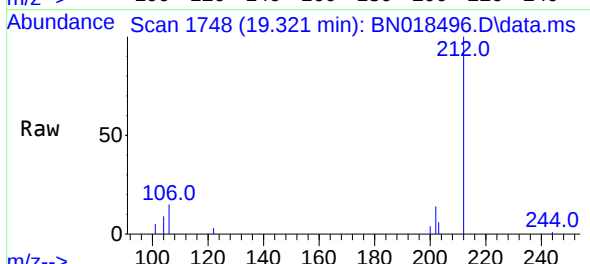
Manual Integrations

APPROVED

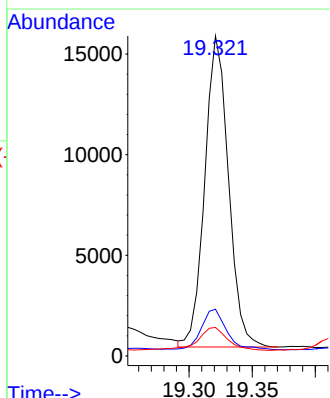
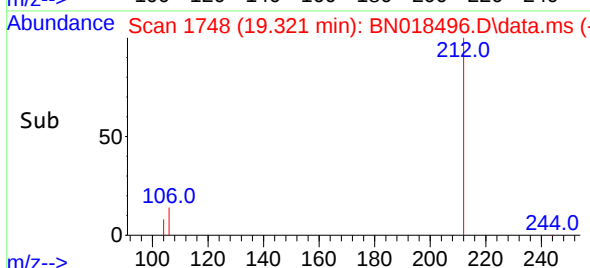
Reviewed By :Jagrut Upadhyay 01/31/2022
 Supervised By :mohammad ahmed 02/01/2022

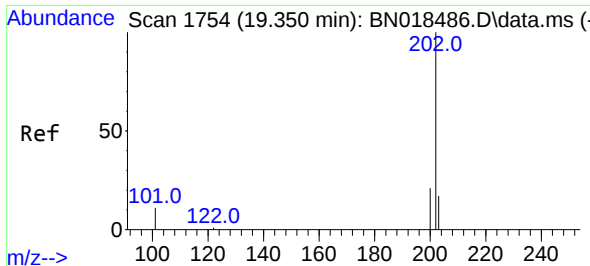


#27
 Fluoranthene-d10
 Concen: 0.041 ng
 RT: 19.321 min Scan# 1748
 Delta R.T. -0.005 min
 Lab File: BN018496.D
 Acq: 27 Jan 2022 19:46



Tgt Ion:212 Resp: 20187
 Ion Ratio Lower Upper
 212 100
 106 13.9 8.4 12.6#
 104 9.4 4.5 6.7#





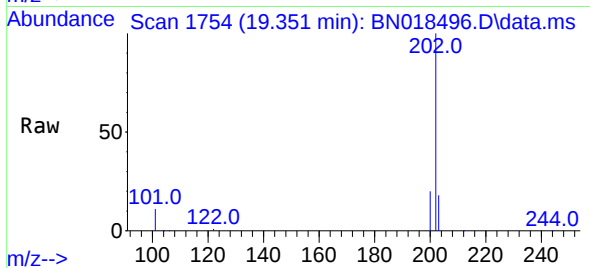
#28
Fluoranthene
Concen: 2.228 ng
RT: 19.351 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN018496.D
Acq: 27 Jan 2022 19:46

Instrument :

BNA_N

ClientSampleId :

SB-5(3.5-4)DL

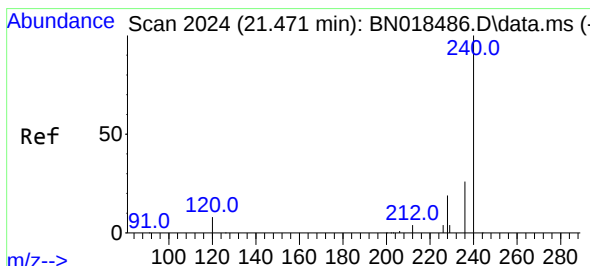
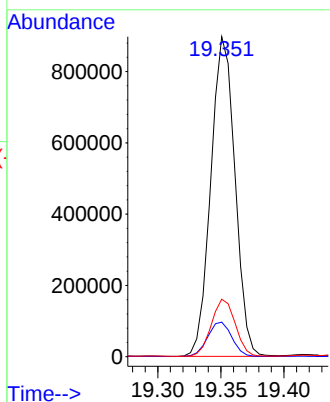
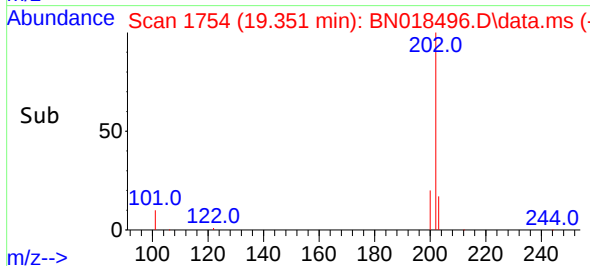


Tgt Ion:202 Resp: 1195390
Ion Ratio Lower Upper
202 100
101 10.8 7.2 10.8
203 17.8 13.7 20.5

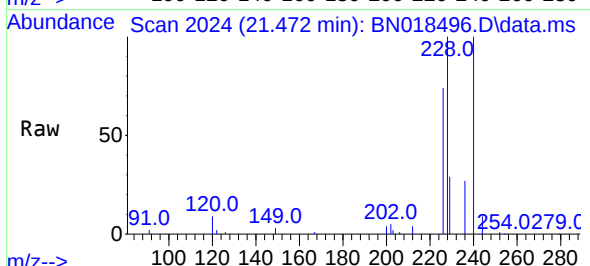
Manual Integrations

APPROVED

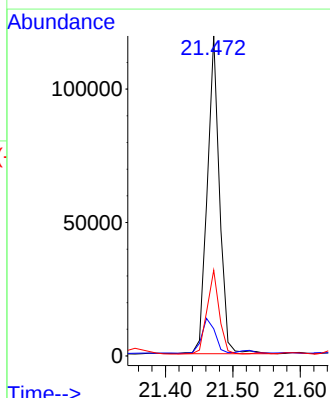
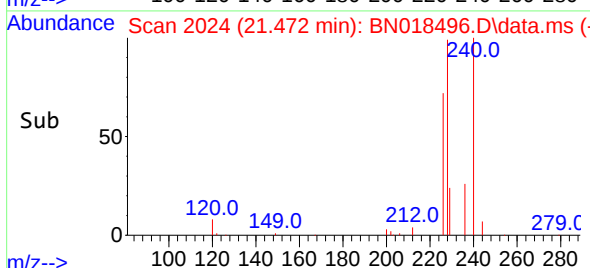
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022

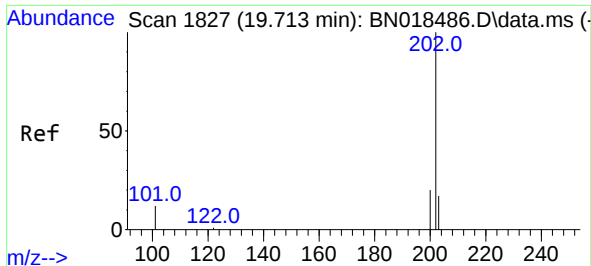


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.472 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BN018496.D
Acq: 27 Jan 2022 19:46



Tgt Ion:240 Resp: 149901
Ion Ratio Lower Upper
240 100
120 8.5 6.0 9.0
236 26.8 21.4 32.2





#30
Pyrene
Concen: 2.010 ng
RT: 19.713 min Scan# 1827
Delta R.T. 0.000 min
Lab File: BN018496.D
Acq: 27 Jan 2022 19:46

Instrument :

BNA_N

ClientSampleId :

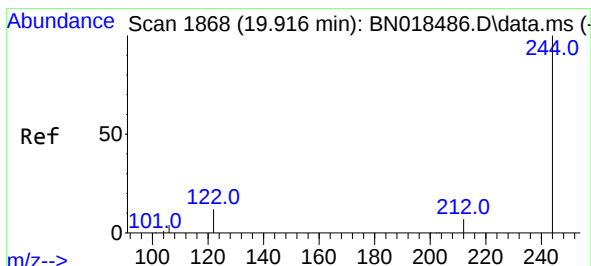
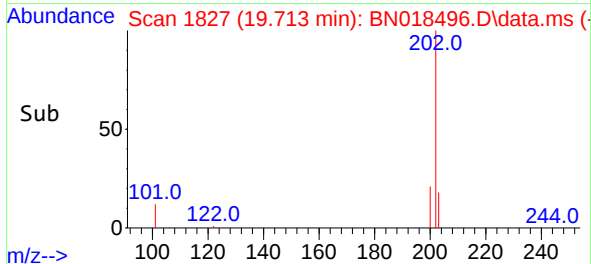
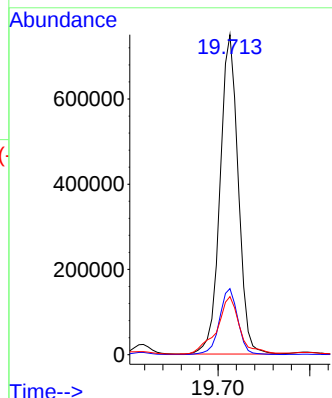
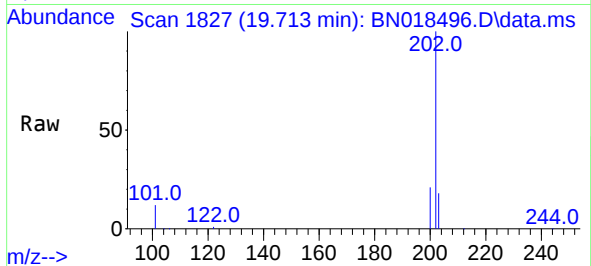
SB-5(3.5-4)DL

Tgt Ion:202 Resp: 1031919
Ion Ratio Lower Upper
202 100
200 20.7 16.6 25.0
203 22.6 14.1 21.1

Manual Integrations

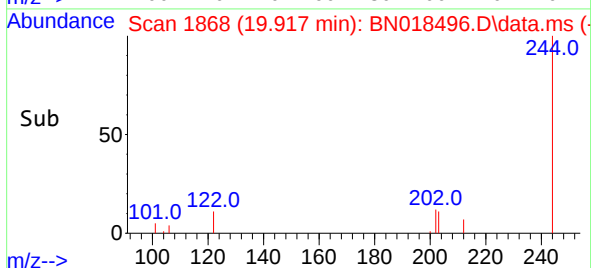
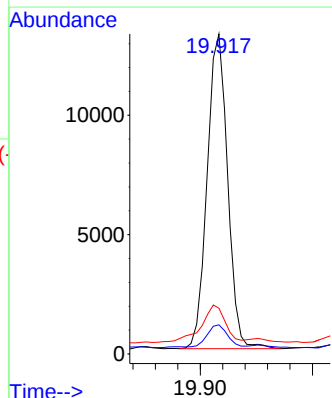
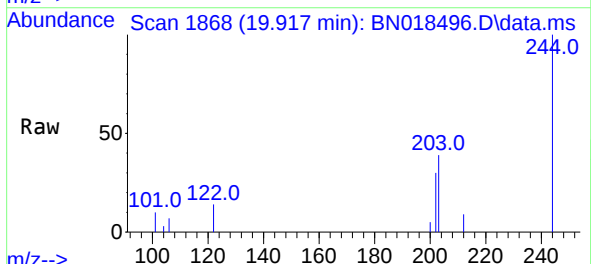
APPROVED

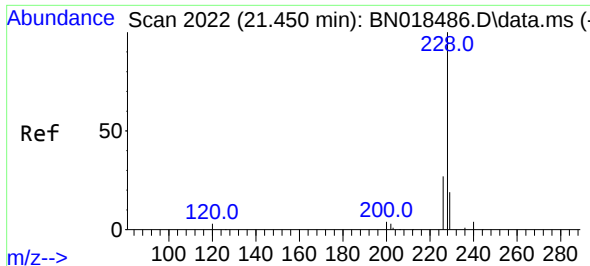
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022



#31
Terphenyl-d14
Concen: 0.044 ng
RT: 19.917 min Scan# 1868
Delta R.T. 0.000 min
Lab File: BN018496.D
Acq: 27 Jan 2022 19:46

Tgt Ion:244 Resp: 16722
Ion Ratio Lower Upper
244 100
212 9.1 6.2 9.2
122 14.3 7.9 11.9





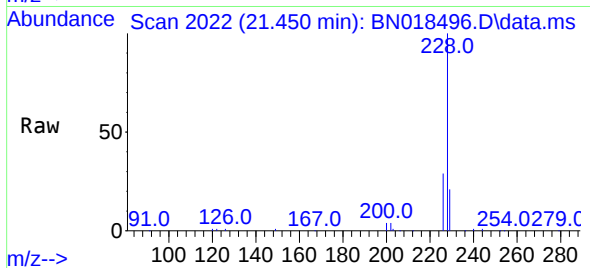
#32
Benzo(a)anthracene
Concen: 2.211 ng
RT: 21.450 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BN018496.D
Acq: 27 Jan 2022 19:46

Instrument :

BNA_N

ClientSampleId :

SB-5(3.5-4)DL

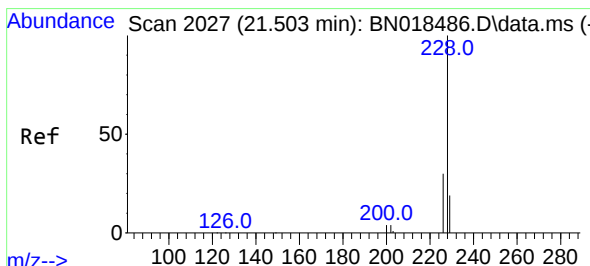
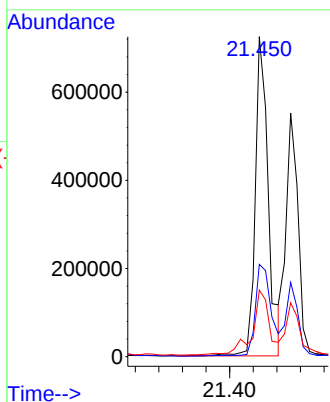
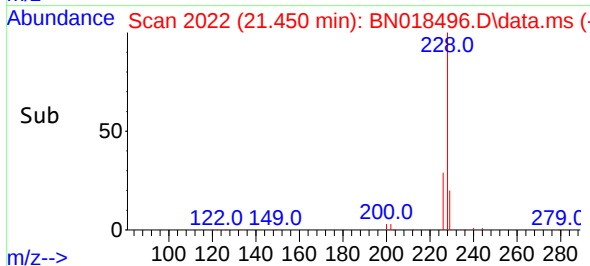


Tgt Ion:228 Resp: 1101309
Ion Ratio Lower Upper
228 100
226 28.9 21.3 31.9
229 20.8 15.9 23.9

Manual Integrations

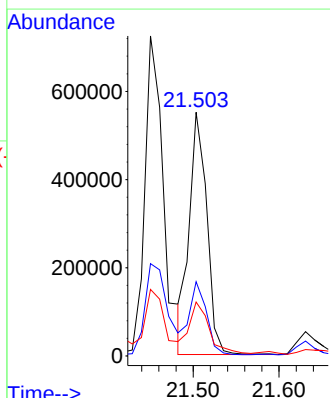
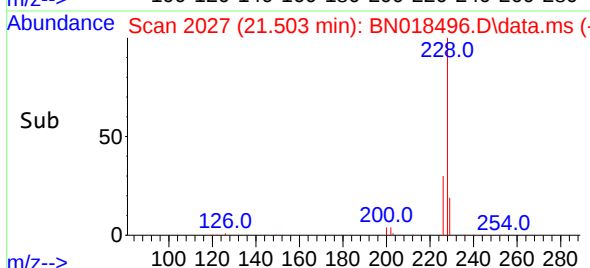
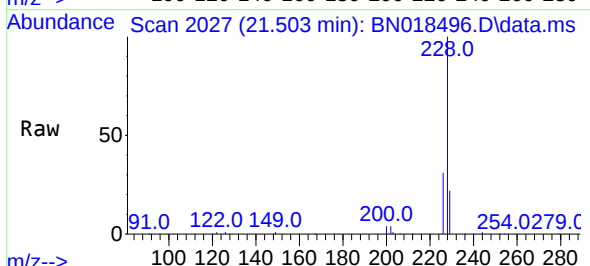
APPROVED

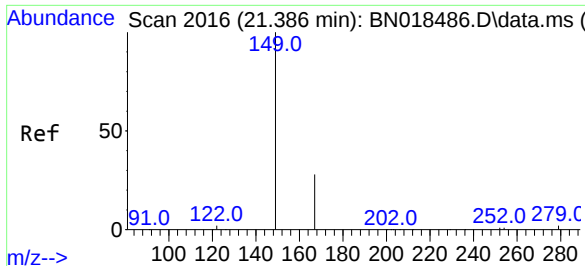
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022



#33
Chrysene
Concen: 1.543 ng
RT: 21.503 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BN018496.D
Acq: 27 Jan 2022 19:46

Tgt Ion:228 Resp: 778801
Ion Ratio Lower Upper
228 100
226 30.5 24.2 36.4
229 22.1 15.5 23.3





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.027 ng
RT: 21.387 min Scan# 2016
Delta R.T. 0.001 min
Lab File: BN018496.D
Acq: 27 Jan 2022 19:46

Instrument :

BNA_N

ClientSampleId :

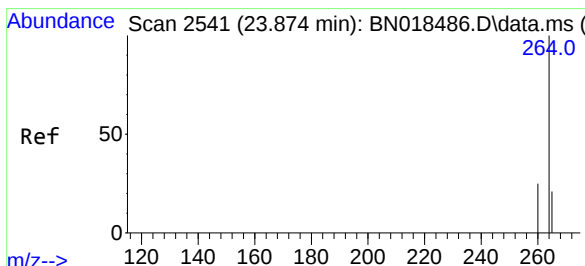
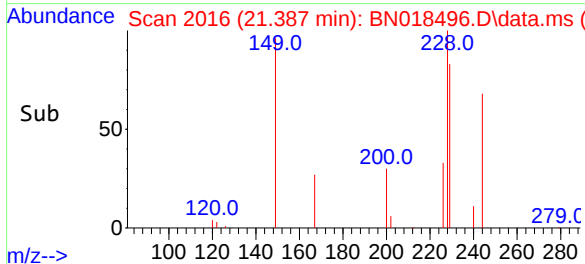
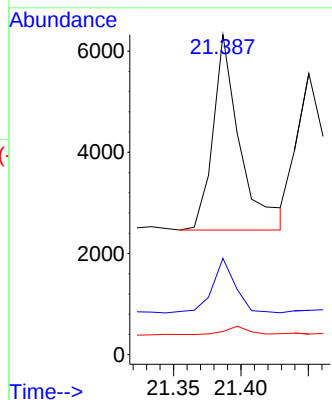
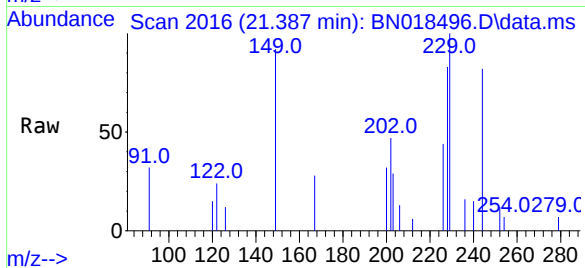
SB-5(3.5-4)DL

Tgt Ion:149 Resp: 5372
Ion Ratio Lower Upper
149 100
167 23.7 23.7 35.5
279 5.3 3.6 5.4

Manual Integrations

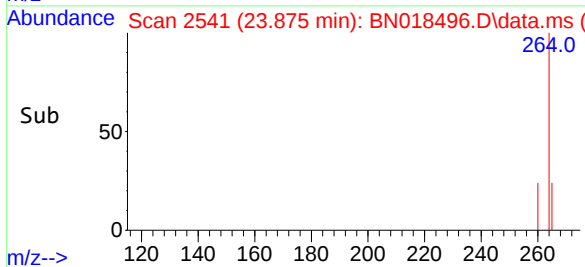
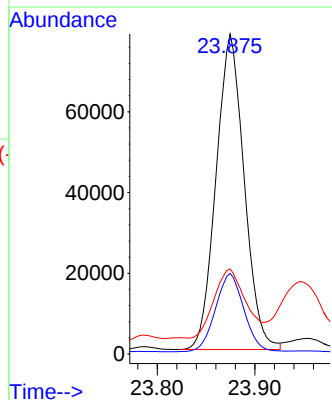
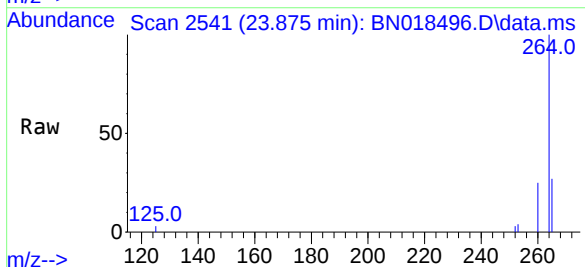
APPROVED

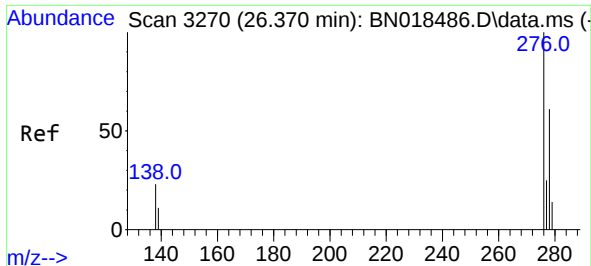
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.875 min Scan# 2541
Delta R.T. 0.000 min
Lab File: BN018496.D
Acq: 27 Jan 2022 19:46

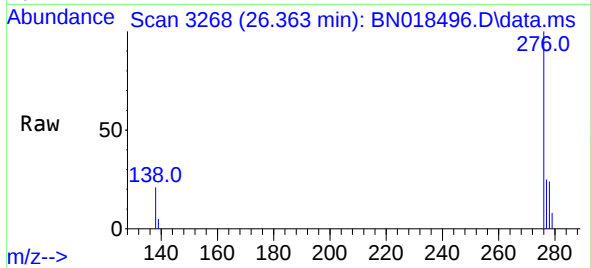
Tgt Ion:264 Resp: 156427
Ion Ratio Lower Upper
264 100
260 25.2 20.2 30.4
265 26.6 18.2 27.2





#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.846 ng
 RT: 26.363 min Scan# 31
 Delta R.T. -0.007 min
 Lab File: BN018496.D
 Acq: 27 Jan 2022 19:46

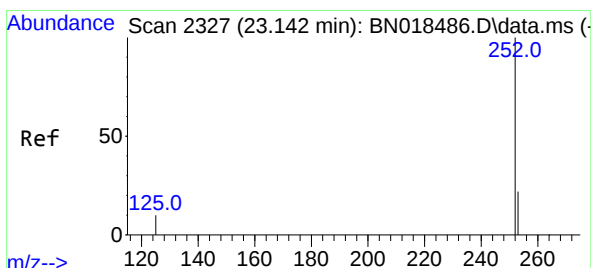
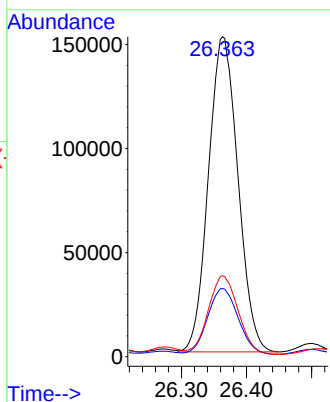
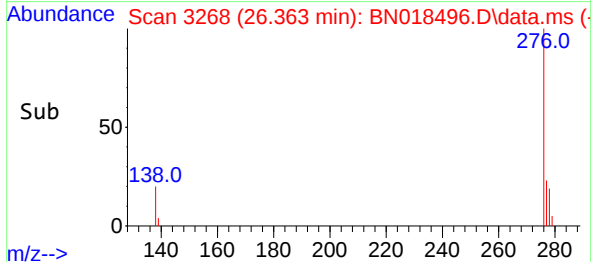
Instrument :
 BNA_N
 ClientSampleId :
 SB-5(3.5-4)DL



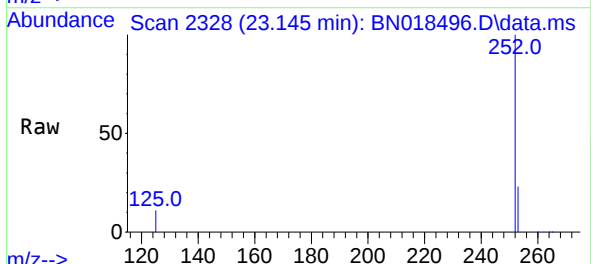
Tgt Ion:276 Resp: 476090
 Ion Ratio Lower Upper
 276 100
 138 21.5 14.9 22.3
 277 25.3 19.9 29.9

Manual Integrations
 APPROVED

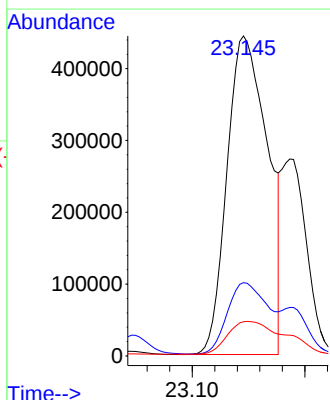
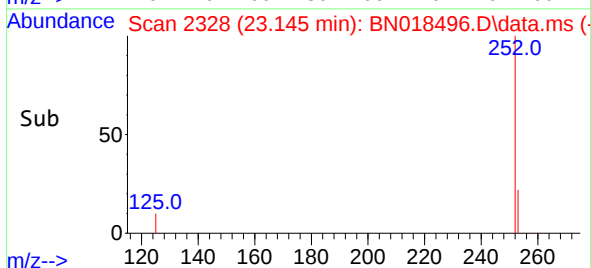
Reviewed By :Jagrut Upadhyay 01/31/2022
 Supervised By :mohammad ahmed 02/01/2022

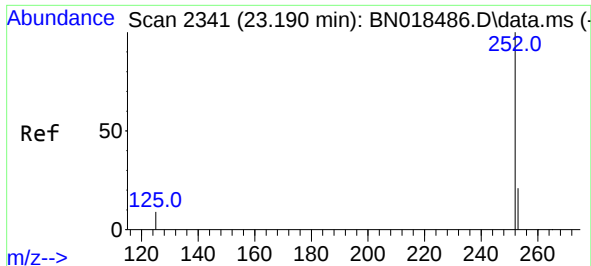


#37
 Benzo(b)fluoranthene
 Concen: 2.065 ng
 RT: 23.145 min Scan# 2328
 Delta R.T. 0.004 min
 Lab File: BN018496.D
 Acq: 27 Jan 2022 19:46



Tgt Ion:252 Resp: 1112246
 Ion Ratio Lower Upper
 252 100
 253 22.9 17.8 26.6
 125 10.7 6.0 9.0#





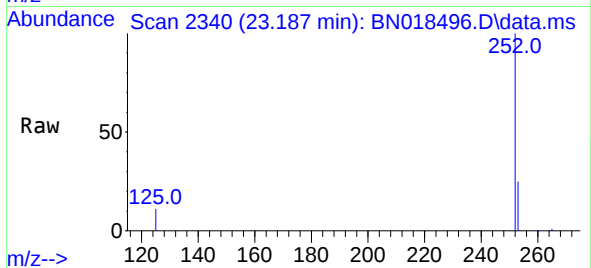
#38
Benzo(k)fluoranthene
Concen: 0.790 ng m
RT: 23.187 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN018496.D
Acq: 27 Jan 2022 19:46

Instrument :

BNA_N

ClientSampleId :

SB-5(3.5-4)DL

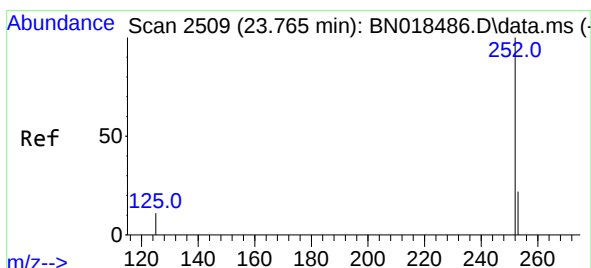
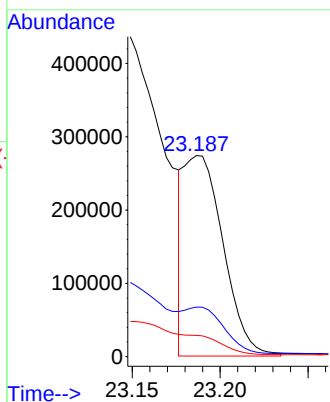
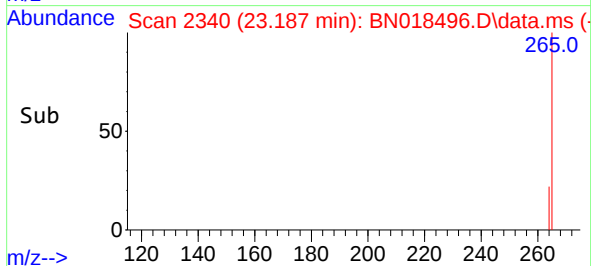


Tgt Ion:252 Resp: 42535
Ion Ratio Lower Upper
252 100
253 24.6 17.7 26.5
125 10.6 6.2 9.2

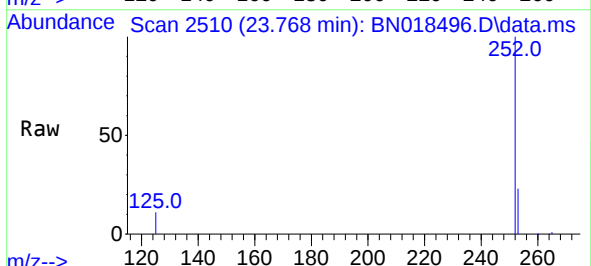
Manual Integrations

APPROVED

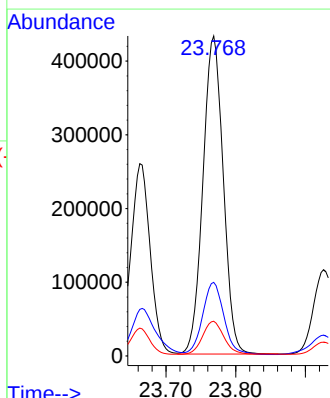
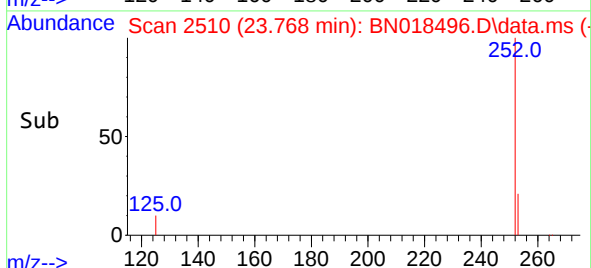
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022

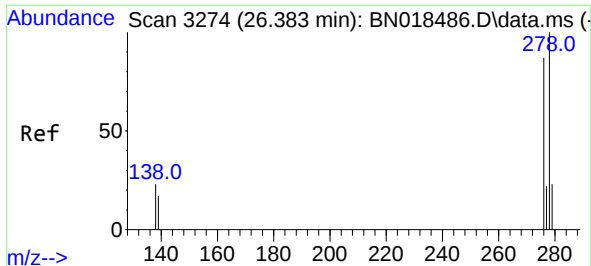


#39
Benzo(a)pyrene
Concen: 2.023 ng
RT: 23.768 min Scan# 2510
Delta R.T. 0.004 min
Lab File: BN018496.D
Acq: 27 Jan 2022 19:46



Tgt Ion:252 Resp: 871554
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.6
125 10.9 7.0 10.4





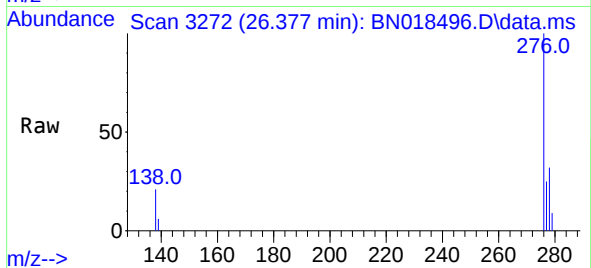
#40
Dibenzo(a,h)anthracene
Concen: 0.331 ng
RT: 26.377 min Scan# 31
Delta R.T. -0.007 min
Lab File: BN018496.D
Acq: 27 Jan 2022 19:46

Instrument :

BNA_N

ClientSampleId :

SB-5(3.5-4)DL

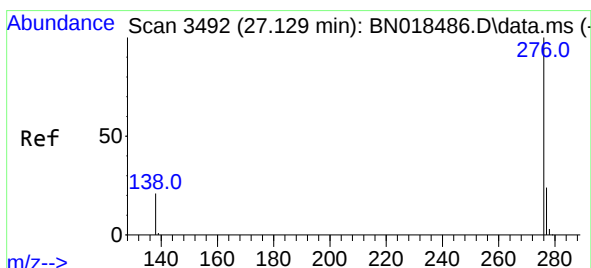
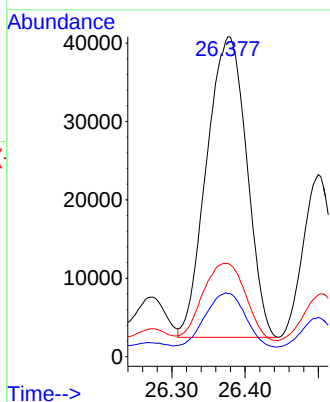
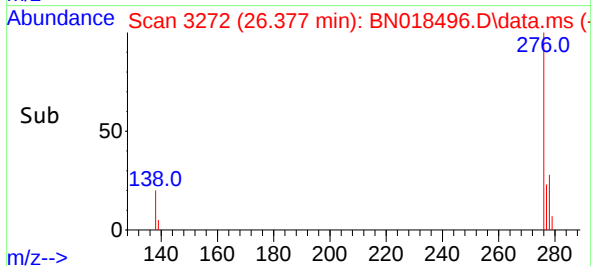


Tgt Ion:278 Resp: 145350
Ion Ratio Lower Upper
278 100
139 19.7 10.8 16.2
279 29.2 19.0 28.4

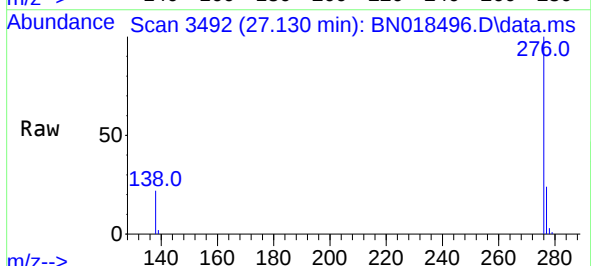
Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022



#41
Benzo(g,h,i)perylene
Concen: 0.786 ng
RT: 27.130 min Scan# 3492
Delta R.T. 0.000 min
Lab File: BN018496.D
Acq: 27 Jan 2022 19:46



Tgt Ion:276 Resp: 384958
Ion Ratio Lower Upper
276 100
277 24.3 19.0 28.6
138 21.6 12.6 19.0

