

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121121\
 Data File : BN017961.D
 Acq On : 13 Dec 2021 05:18
 Operator : CG/JU
 Sample : M4988-16
 Misc :
 ALS Vial : 87 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 FB02-20211207

Quant Time: Dec 13 06:01:40 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN121121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 11 00:01:30 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 12/13/2021
 Supervised By : Jagrut Upadhyay 12/13/2021

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.705	152	29816	0.400	ng	0.00
7) Naphthalene-d8	10.494	136	127416	0.400	ng	0.00
13) Acenaphthene-d10	14.334	164	81659	0.400	ng	0.00
19) Phenanthrene-d10	17.080	188	155409	0.400	ng	#-0.01
29) Chrysene-d12	21.282	240	109631	0.400	ng	#-0.01
35) Perylene-d12	23.585	264	81954	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.336	112	3429	0.056	ng	0.00
5) Phenol-d6	6.903	99	2095	0.034	ng	0.00
8) Nitrobenzene-d5	8.846	82	21450m	0.258	ng	-0.01
11) 2-Methylnaphthalene-d10	12.085	152	54321	0.242	ng	0.00
14) 2,4,6-Tribromophenol	15.844	330	168	0.336	ng	0.00
15) 2-Fluorobiphenyl	12.964	172	85020	0.296	ng	0.00
27) Fluoranthene-d10	19.124	212	173304	0.344	ng	0.00
31) Terphenyl-d14	19.730	244	136029	0.503	ng	-0.01
Target Compounds						
						Qvalue
9) Naphthalene	10.532	128	11621	0.037	ng	95
32) Benzo(a)anthracene	21.272	228	19900	0.106	ng	# 90
33) Chrysene	21.325	228	22559	0.063	ng	# 94
34) Bis(2-ethylhexyl)phtha...	21.208	149	983823	8.359	ng	98
36) Indeno(1,2,3-cd)pyrene	25.978	276	7433m	0.132	ng	
37) Benzo(b)fluoranthene	22.890	252	16294	0.060	ng	# 3
38) Benzo(k)fluoranthene	22.938	252	14075m	0.053	ng	
39) Benzo(a)pyrene	23.486	252	14711	0.061	ng	# 1
40) Dibenzo(a,h)anthracene	25.998	278	4385m	0.138	ng	
41) Benzo(g,h,i)perylene	26.676	276	7347	0.056	ng	# 69

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

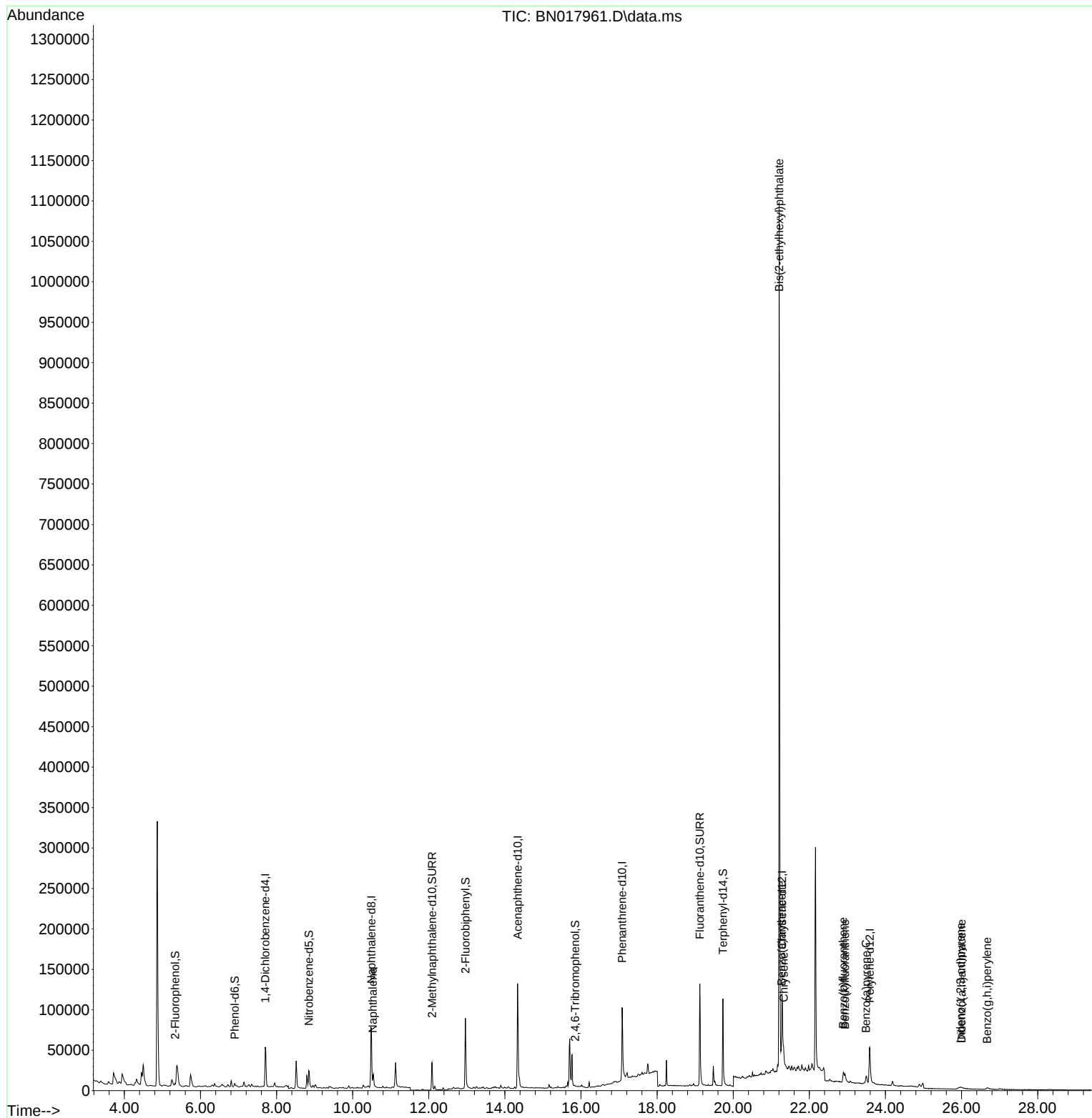
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Data File : BN017961.D
Acq On : 13 Dec 2021 05:18
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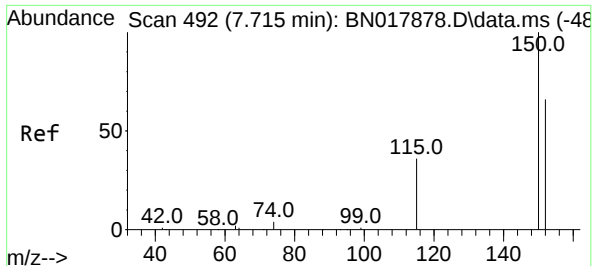
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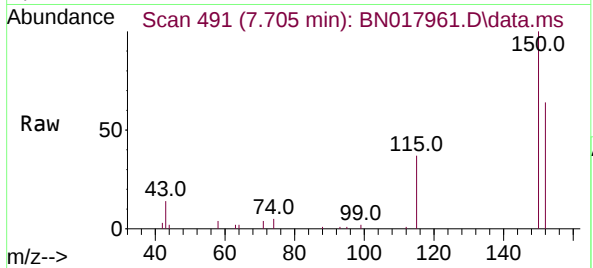
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Supervised By : Jagrut Upadhyay 12/13/2021





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.705 min Scan# 492
Delta R.T. -0.010 min
Lab File: BN017961.D
Acq: 13 Dec 2021 05:18

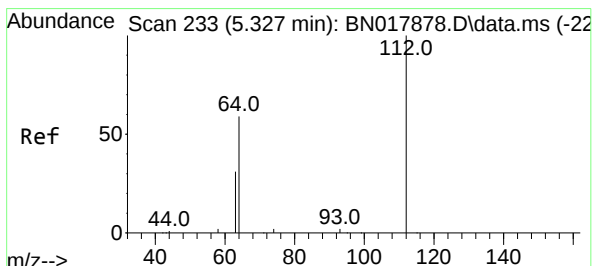
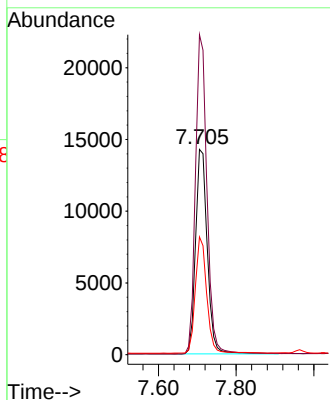
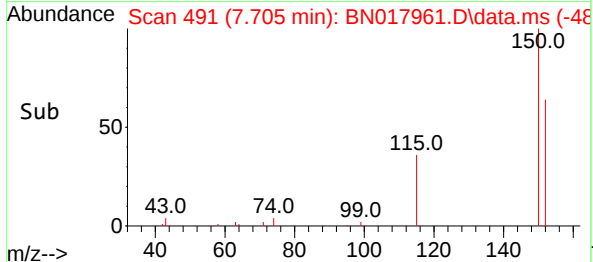
Instrument :
BNA_N
ClientSampleId :
FB02-20211207



Tgt Ion:152 Resp: 29810
Ion Ratio Lower Upper
152 100
150 155.8 121.9 182.9
115 57.4 44.1 66.1

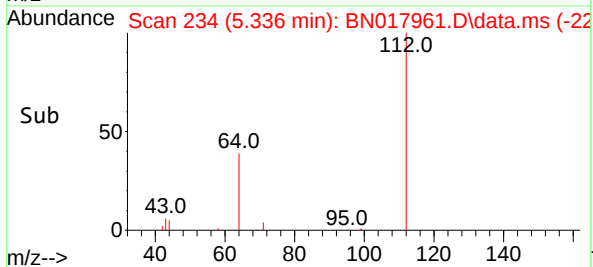
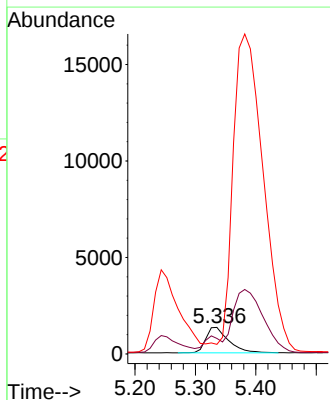
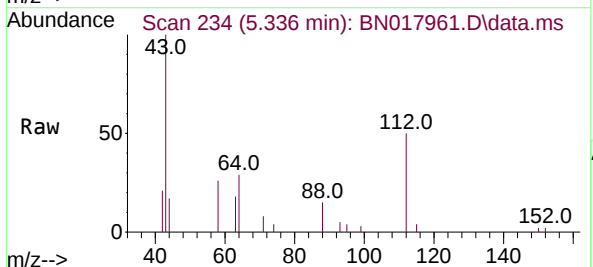
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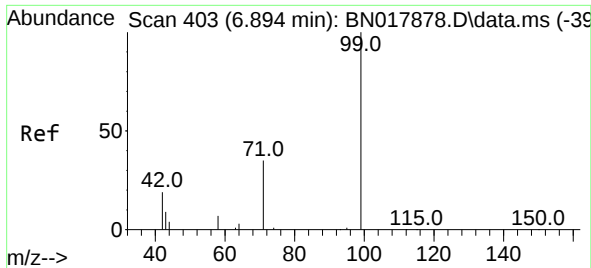
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Supervised By :Jagrut Upadhyay 12/13/2021



#4
2-Fluorophenol
Concen: 0.056 ng
RT: 5.336 min Scan# 234
Delta R.T. 0.009 min
Lab File: BN017961.D
Acq: 13 Dec 2021 05:18

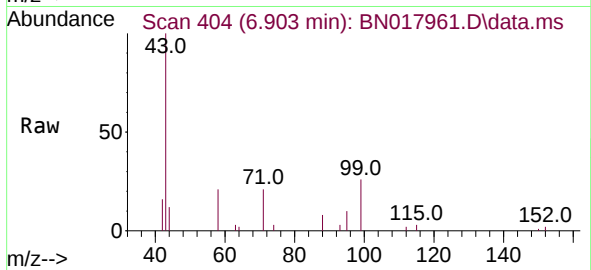
Tgt Ion:112 Resp: 3429
Ion Ratio Lower Upper
112 100
64 32.4 49.0 73.4#
63 0.0 26.2 39.2#





#5
Phenol-d6
Concen: 0.034 ng
RT: 6.903 min Scan# 403
Delta R.T. 0.009 min
Lab File: BN017961.D
Acq: 13 Dec 2021 05:18

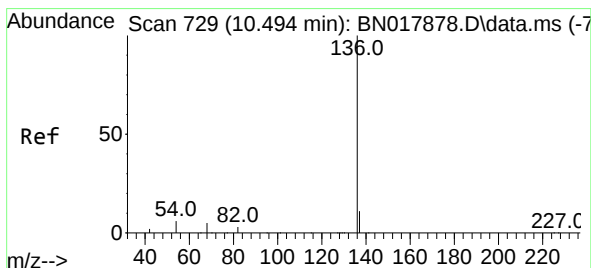
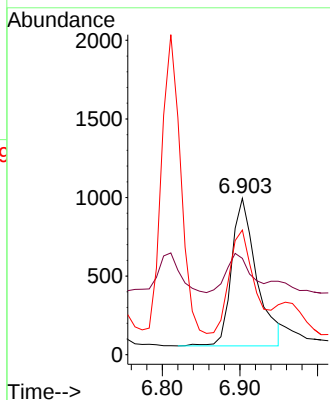
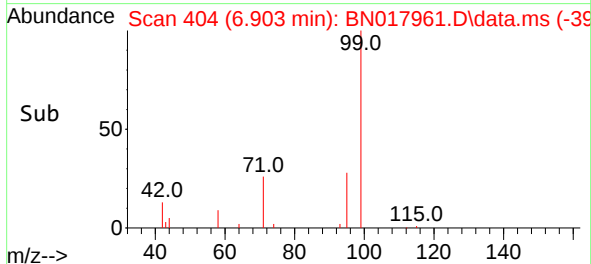
Instrument :
BNA_N
ClientSampleId :
FB02-20211207



Tgt Ion: 99 Resp: 209
Ion Ratio Lower Upper
99 100
42 25.2 17.0 25.4
71 70.4 28.0 42.0

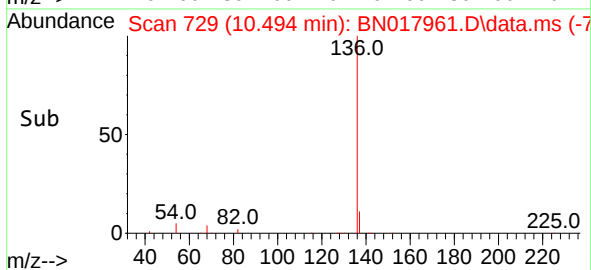
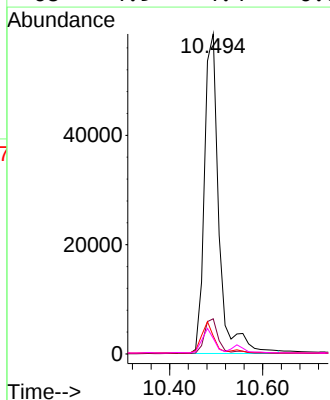
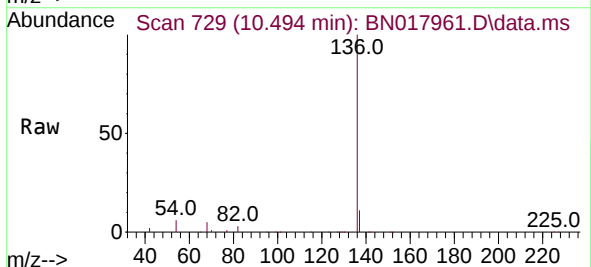
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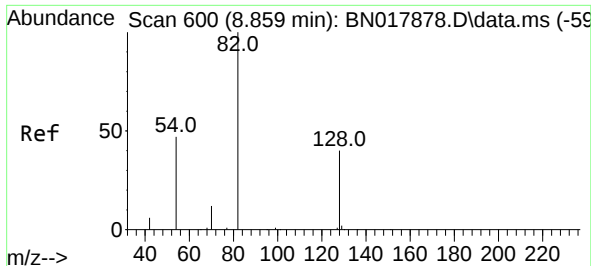
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.494 min Scan# 729
Delta R.T. -0.000 min
Lab File: BN017961.D
Acq: 13 Dec 2021 05:18

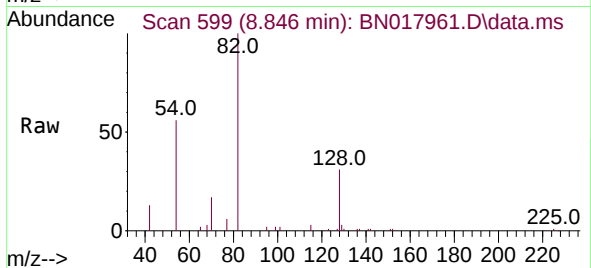
Tgt Ion:136 Resp: 127416
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 5.6 5.1 7.7
68 4.9 4.4 6.6





#8
Nitrobenzene-d5
Concen: 0.258 ng m
RT: 8.846 min Scan# 599
Delta R.T. -0.013 min
Lab File: BN017961.D
Acq: 13 Dec 2021 05:18

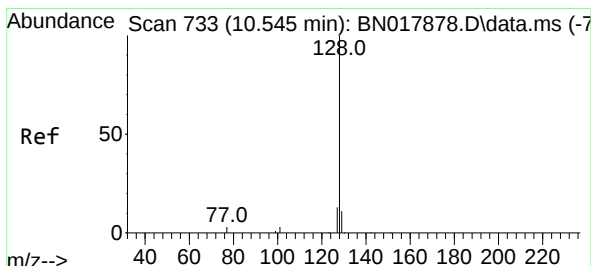
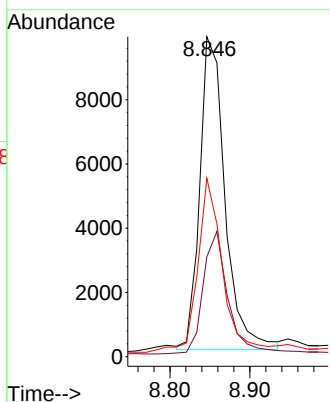
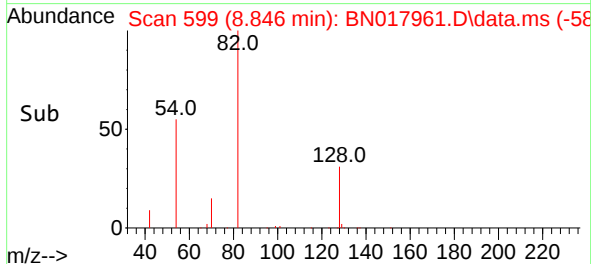
Instrument :
BNA_N
ClientSampleId :
FB02-20211207



Tgt Ion: 82 Resp: 21450
Ion Ratio Lower Upper
82 100
128 31.2 32.2 48.4
54 55.8 37.6 56.4

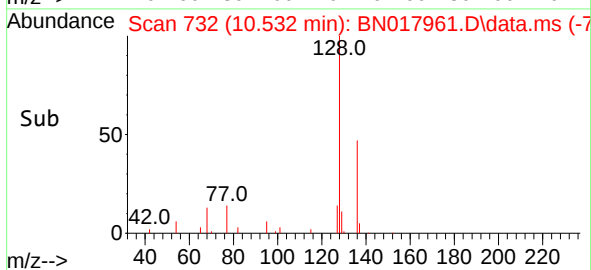
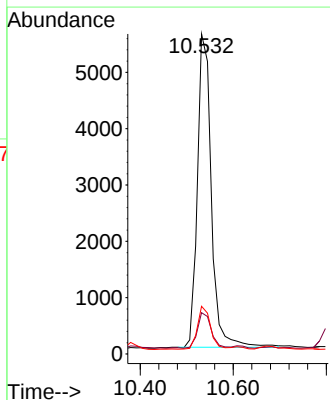
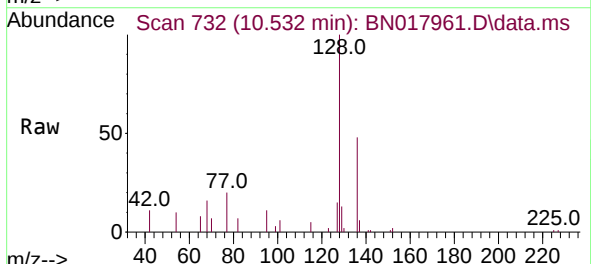
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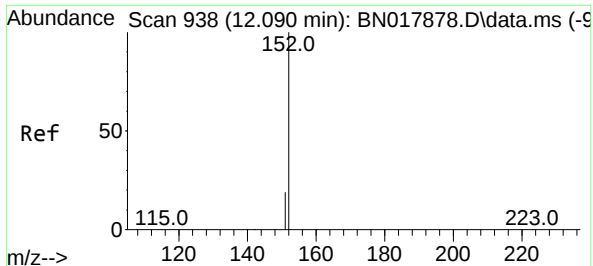
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#9
Naphthalene
Concen: 0.037 ng
RT: 10.532 min Scan# 732
Delta R.T. -0.013 min
Lab File: BN017961.D
Acq: 13 Dec 2021 05:18

Tgt Ion:128 Resp: 11621
Ion Ratio Lower Upper
128 100
129 12.9 8.8 13.2
127 14.9 10.5 15.7





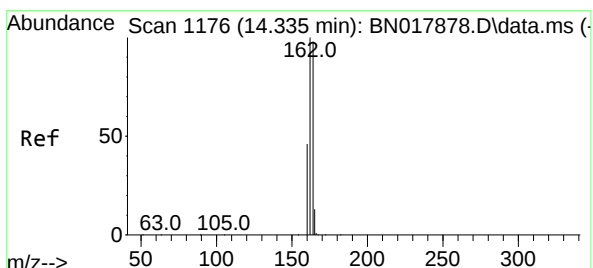
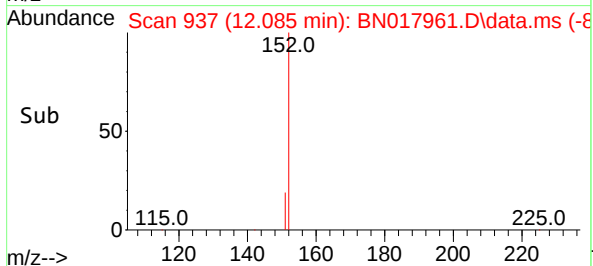
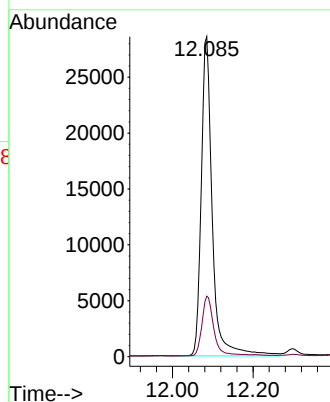
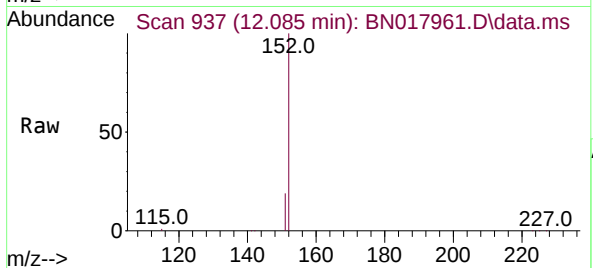
#11
2-Methylnaphthalene-d10
Concen: 0.242 ng
RT: 12.085 min Scan# 911
Delta R.T. -0.005 min
Lab File: BN017961.D
Acq: 13 Dec 2021 05:18

Instrument :
BNA_N
ClientSampleId :
FB02-20211207

Tgt Ion:152 Resp: 5432
Ion Ratio Lower Upper
152 100
151 20.1 16.4 24.6

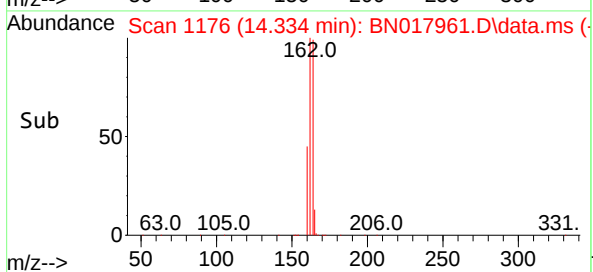
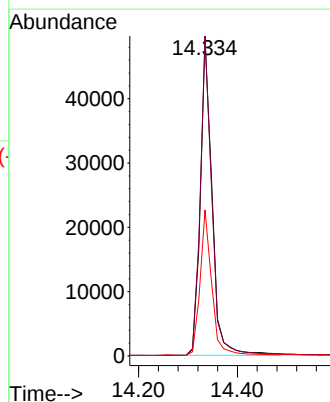
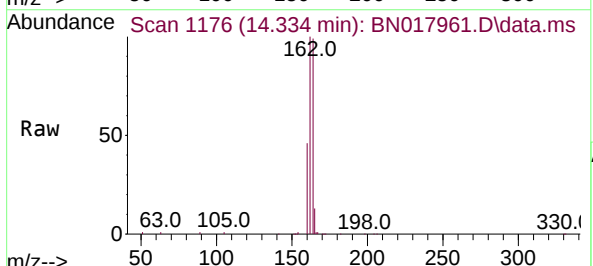
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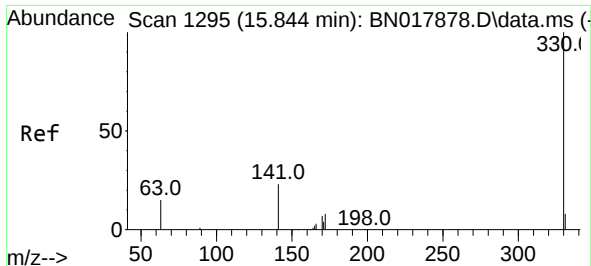
Reviewed By :Christian Giraldo 12/13/2021
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#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.334 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BN017961.D
Acq: 13 Dec 2021 05:18

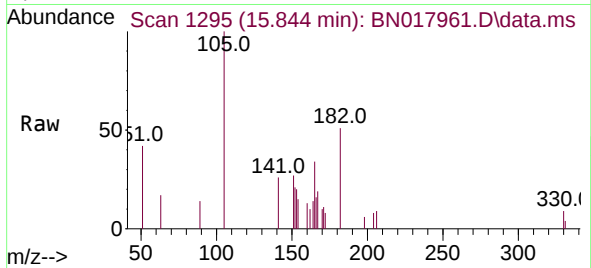
Tgt Ion:164 Resp: 81659
Ion Ratio Lower Upper
164 100
162 100.9 82.1 123.1
160 46.0 38.2 57.2





#14
2,4,6-Tribromophenol
Concen: 0.336 ng
RT: 15.844 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BN017961.D
Acq: 13 Dec 2021 05:18

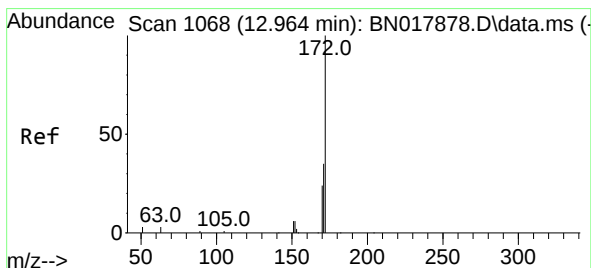
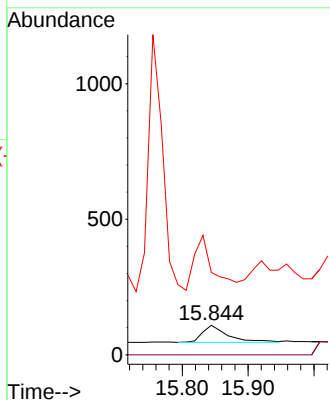
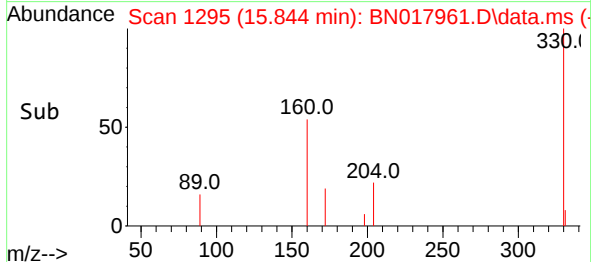
Instrument :
BNA_N
ClientSampleId :
FB02-20211207



Tgt Ion:330 Resp: 168
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 236.9 19.7 29.5

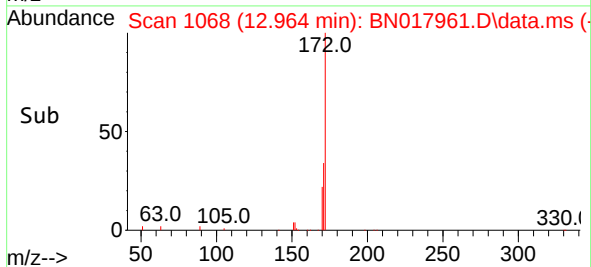
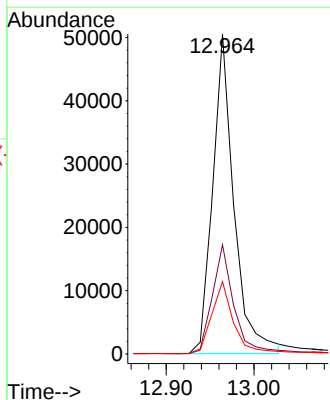
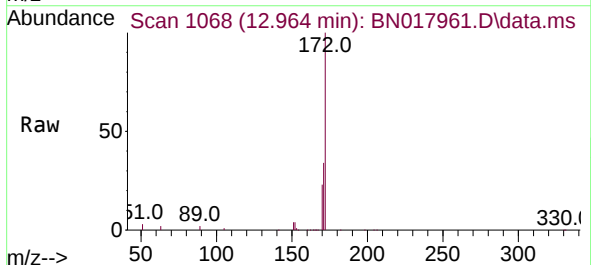
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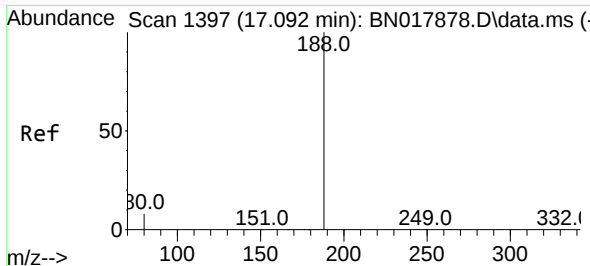
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#15
2-Fluorobiphenyl
Concen: 0.296 ng
RT: 12.964 min Scan# 1068
Delta R.T. -0.000 min
Lab File: BN017961.D
Acq: 13 Dec 2021 05:18

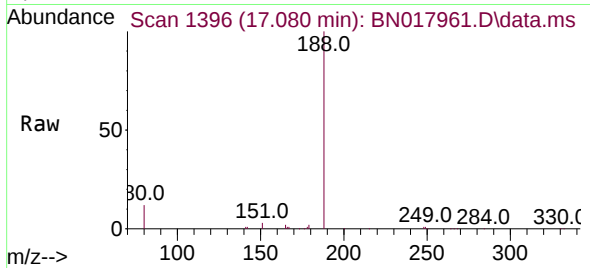
Tgt Ion:172 Resp: 85020
Ion Ratio Lower Upper
172 100
171 34.1 28.3 42.5
170 22.6 19.1 28.7





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.080 min Scan# 1396
Delta R.T. -0.012 min
Lab File: BN017961.D
Acq: 13 Dec 2021 05:18

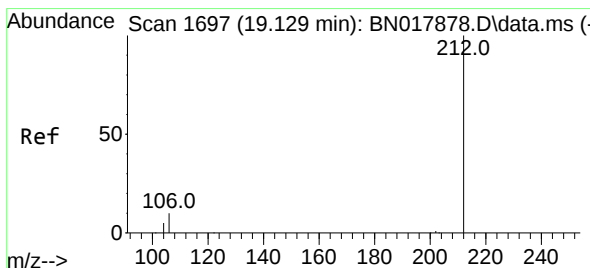
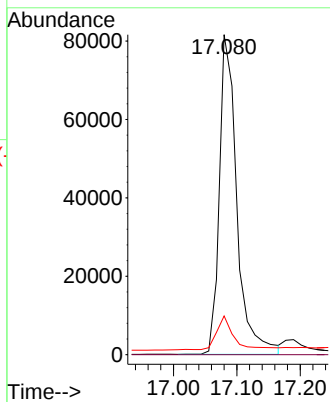
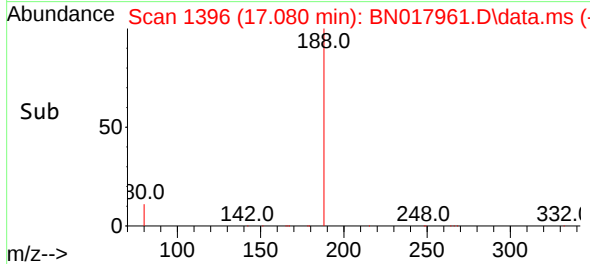
Instrument :
BNA_N
ClientSampleId :
FB02-20211207



Tgt Ion:188 Resp: 155409
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.1 6.2 9.2

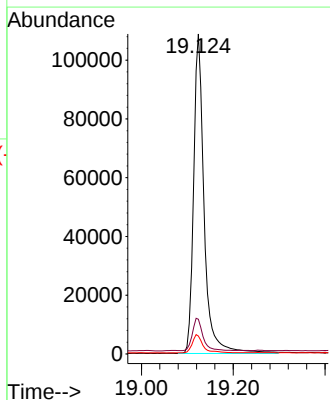
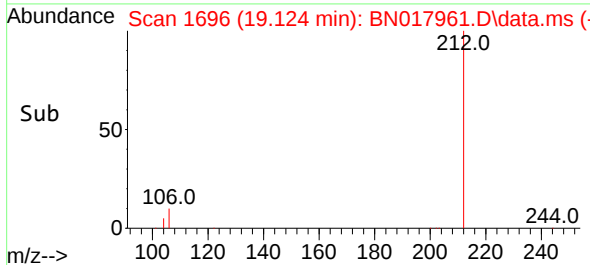
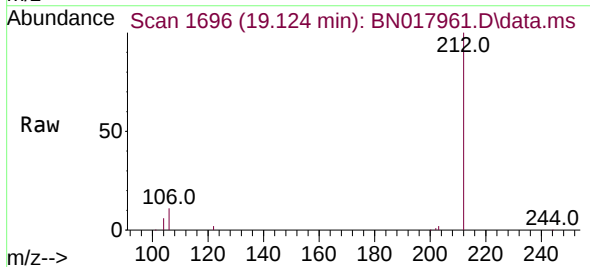
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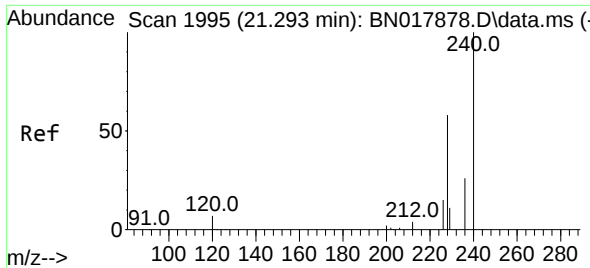
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#27
Fluoranthene-d10
Concen: 0.344 ng
RT: 19.124 min Scan# 1696
Delta R.T. -0.005 min
Lab File: BN017961.D
Acq: 13 Dec 2021 05:18

Tgt Ion:212 Resp: 173304
Ion Ratio Lower Upper
212 100
106 10.2 8.3 12.5
104 5.9 4.6 6.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.282 min Scan# 1994

Delta R.T. -0.011 min

Lab File: BN017961.D

Acq: 13 Dec 2021 05:18

Instrument :

BNA_N

ClientSampleId :

FB02-20211207

Tgt Ion:240 Resp: 10963

Ion Ratio Lower Upper

240 100

120 13.3 5.8 8.8

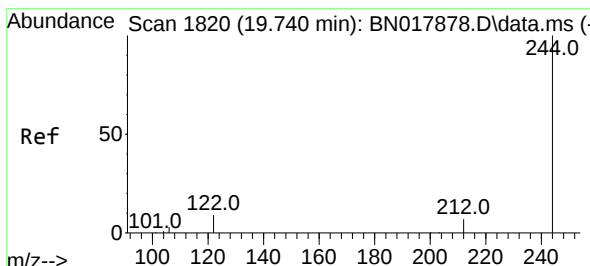
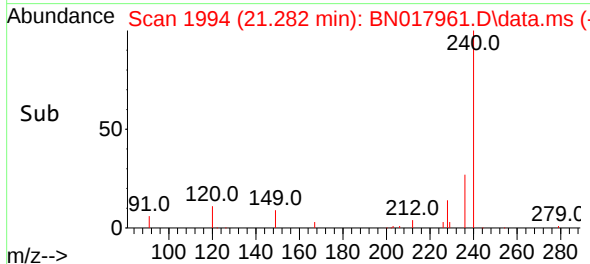
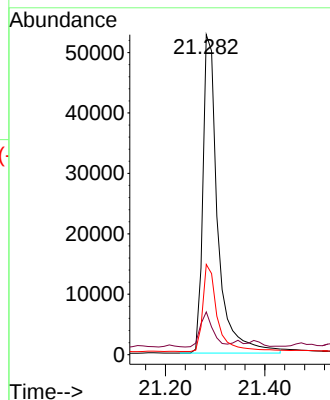
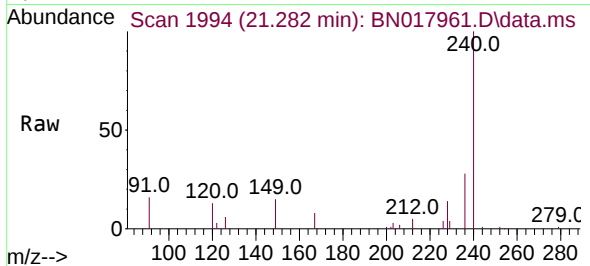
236 28.2 21.0 31.6

Manual Integrations

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Supervised By :Jagrut Upadhyay 12/13/2021



#31

Terphenyl-d14

Concen: 0.503 ng

RT: 19.730 min Scan# 1818

Delta R.T. -0.010 min

Lab File: BN017961.D

Acq: 13 Dec 2021 05:18

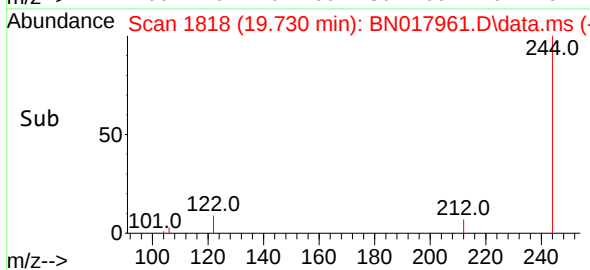
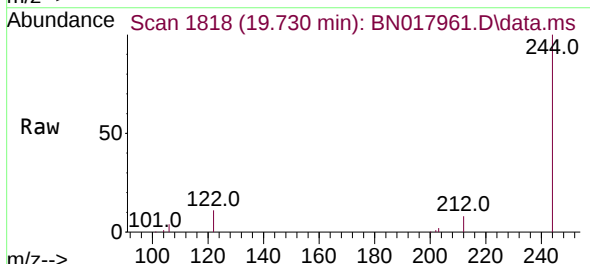
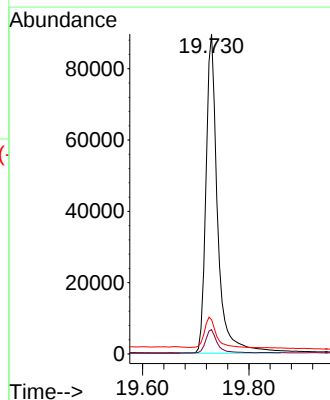
Tgt Ion:244 Resp: 136029

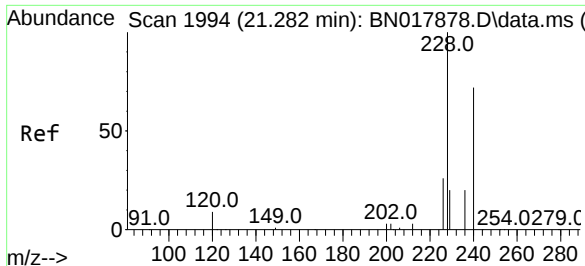
Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

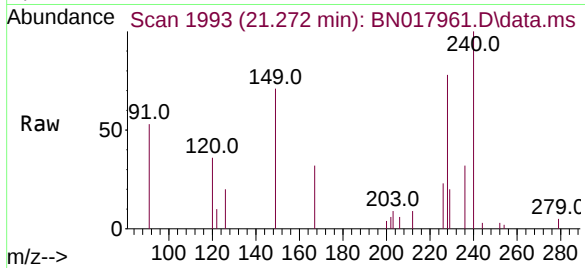
122 10.7 7.5 11.3





#32
Benzo(a)anthracene
Concen: 0.106 ng
RT: 21.272 min Scan# 1993
Delta R.T. -0.010 min
Lab File: BN017961.D
Acq: 13 Dec 2021 05:18

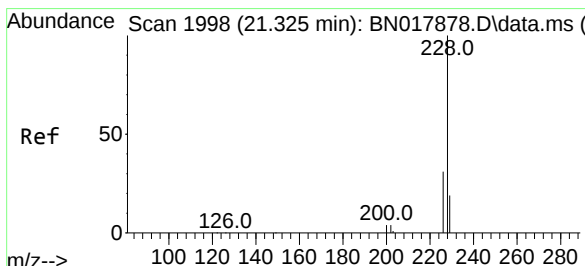
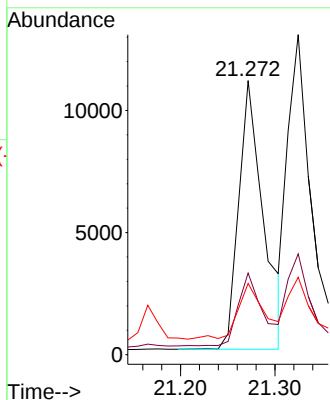
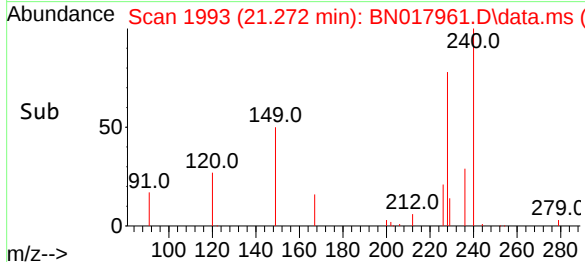
Instrument :
BNA_N
ClientSampleId :
FB02-20211207



Tgt Ion:228 Resp: 19900
Ion Ratio Lower Upper
228 100
226 29.8 21.0 31.4
229 26.0 15.8 23.8

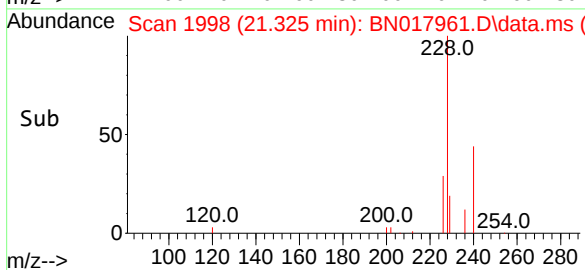
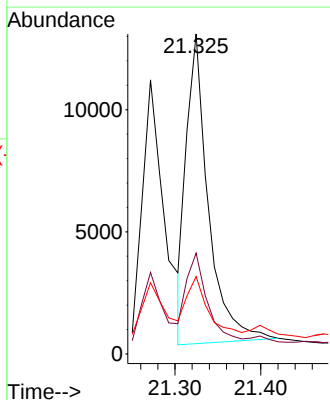
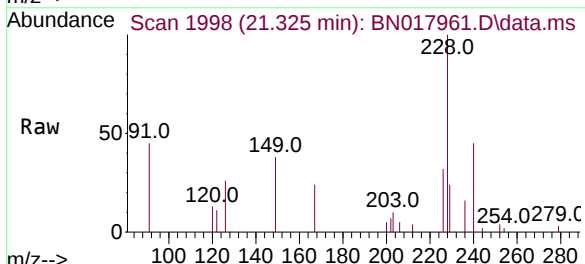
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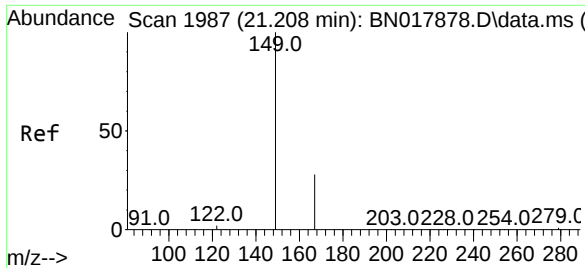
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#33
Chrysene
Concen: 0.063 ng
RT: 21.325 min Scan# 1998
Delta R.T. -0.000 min
Lab File: BN017961.D
Acq: 13 Dec 2021 05:18

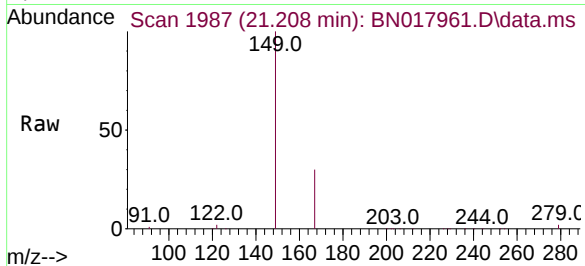
Tgt Ion:228 Resp: 22559
Ion Ratio Lower Upper
228 100
226 31.5 23.8 35.8
229 24.2 15.6 23.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 8.359 ng
RT: 21.208 min Scan# 1987
Delta R.T. -0.000 min
Lab File: BN017961.D
Acq: 13 Dec 2021 05:18

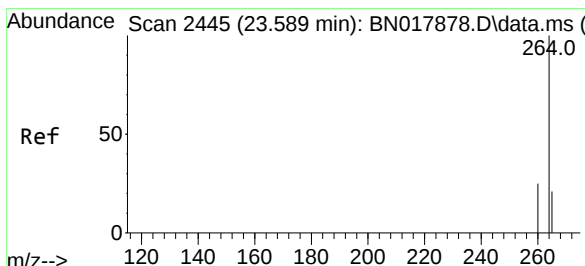
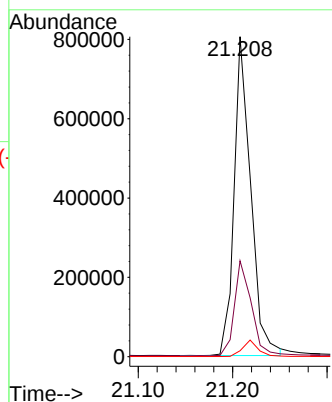
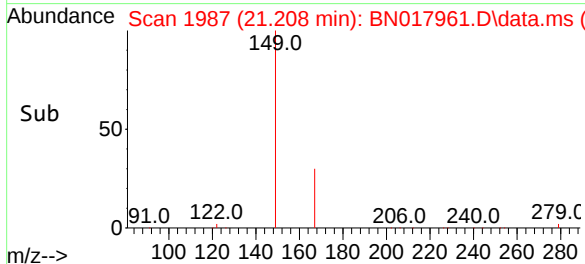
Instrument :
BNA_N
ClientSampleId :
FB02-20211207



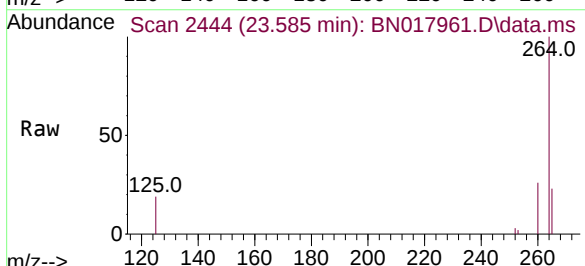
Tgt Ion:149 Resp: 98382
Ion Ratio Lower Upper
149 100
167 30.4 23.4 35.0
279 4.8 3.6 5.4

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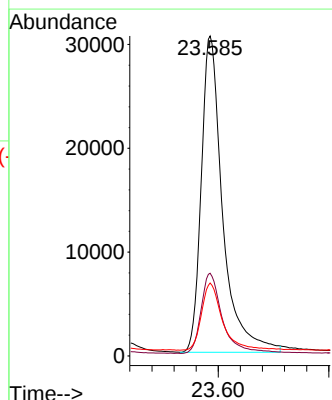
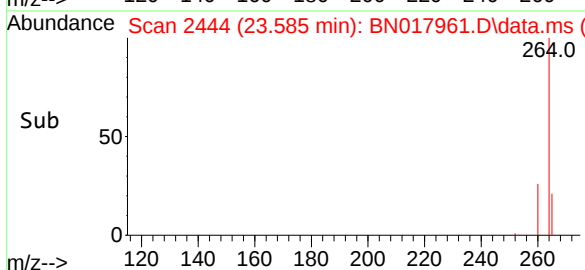
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021

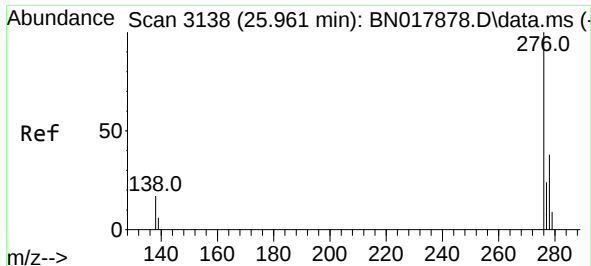


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.585 min Scan# 2444
Delta R.T. -0.004 min
Lab File: BN017961.D
Acq: 13 Dec 2021 05:18



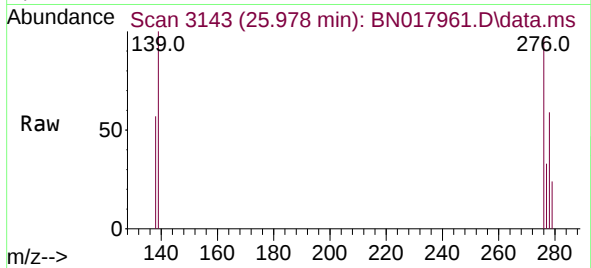
Tgt Ion:264 Resp: 81954
Ion Ratio Lower Upper
264 100
260 25.9 20.2 30.4
265 22.8 18.2 27.4





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.132 ng m
RT: 25.978 min Scan# 3138
Delta R.T. 0.017 min
Lab File: BN017961.D
Acq: 13 Dec 2021 05:18

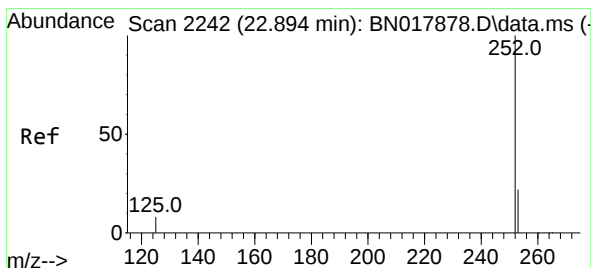
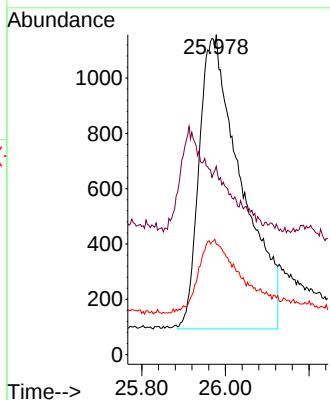
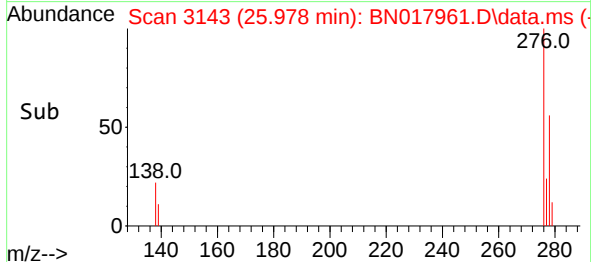
Instrument :
BNA_N
ClientSampleId :
FB02-20211207



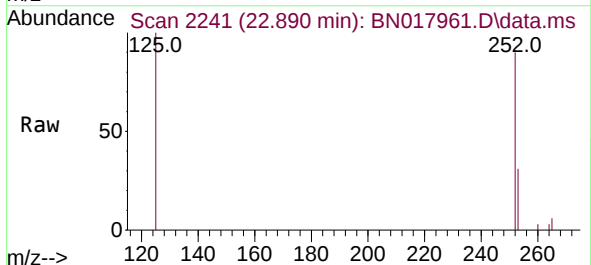
Tgt Ion: 276 Resp: 743
Ion Ratio Lower Upper
276 100
138 0.0 15.2 22.8#
277 7.3 19.8 29.6#

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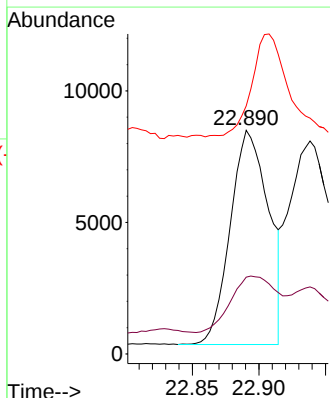
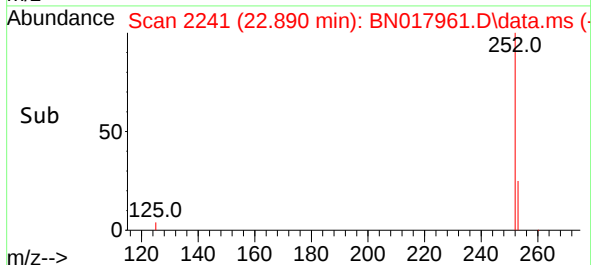
Reviewed By : Christian Giraldo 12/13/2021
Supervised By : Jagrut Upadhyay 12/13/2021

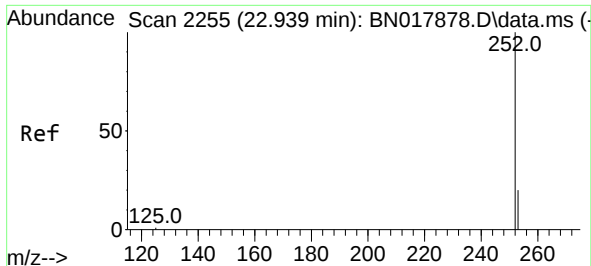


#37
Benzo(b)fluoranthene
Concen: 0.060 ng
RT: 22.890 min Scan# 2241
Delta R.T. -0.004 min
Lab File: BN017961.D
Acq: 13 Dec 2021 05:18



Tgt Ion: 252 Resp: 16294
Ion Ratio Lower Upper
252 100
253 34.3 17.9 26.9#
125 110.9 6.8 10.2#





#38

Benzo(k)fluoranthene

Concen: 0.053 ng m

RT: 22.938 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN017961.D

Acq: 13 Dec 2021 05:18

Instrument :

BNA_N

ClientSampleId :

FB02-20211207

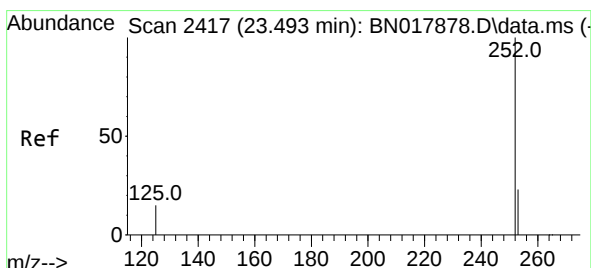
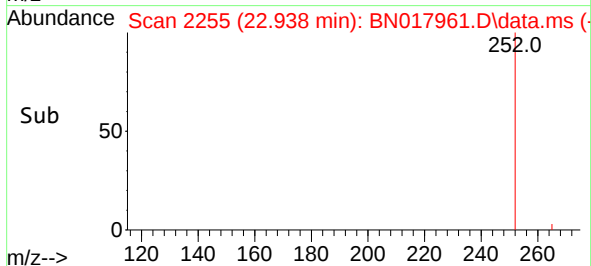
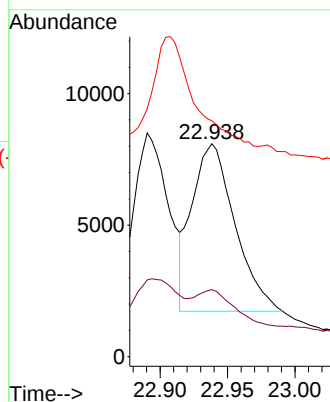
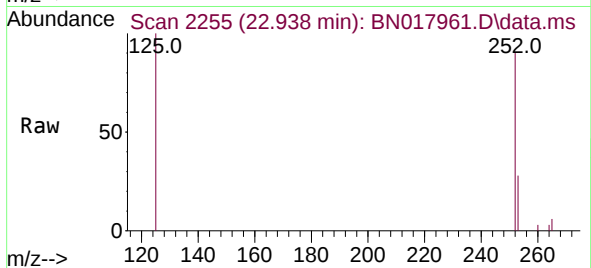
Tgt Ion:252 Resp: 14075

Ion	Ratio	Lower	Upper
252	100		
253	31.5	17.8	26.6
125	110.7	6.1	9.1

Manual Integrations

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Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#39

Benzo(a)pyrene

Concen: 0.061 ng

RT: 23.486 min Scan# 2415

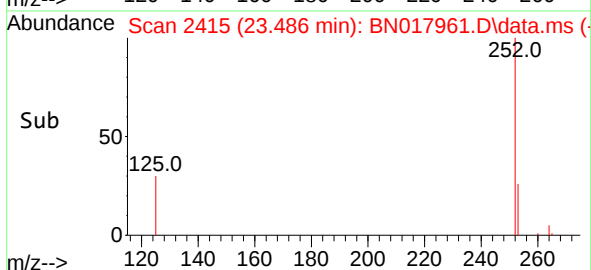
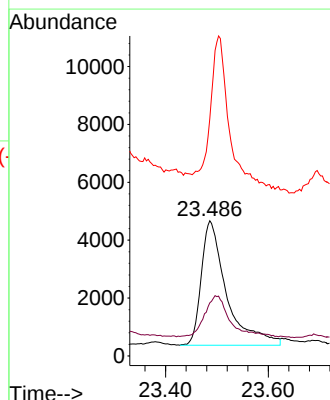
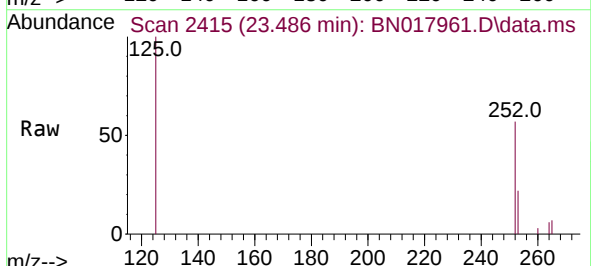
Delta R.T. -0.007 min

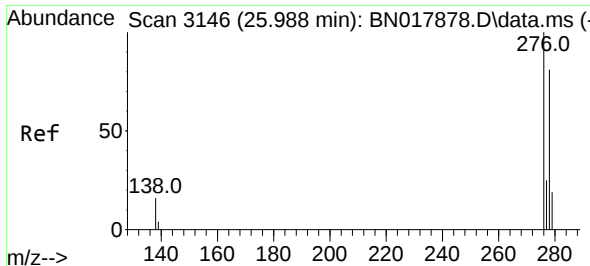
Lab File: BN017961.D

Acq: 13 Dec 2021 05:18

Tgt Ion:252 Resp: 14711

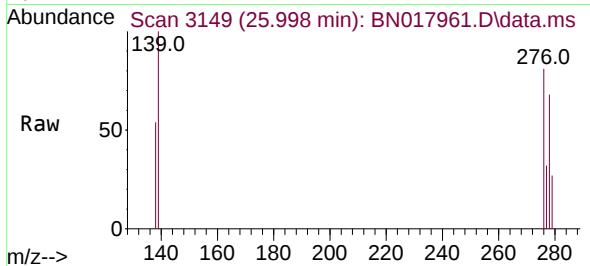
Ion	Ratio	Lower	Upper
252	100		
253	39.3	18.8	28.2
125	175.5	12.2	18.2





#40
Dibenzo(a,h)anthracene
Concen: 0.138 ng m
RT: 25.998 min Scan# 3146
Delta R.T. 0.010 min
Lab File: BN017961.D
Acq: 13 Dec 2021 05:18

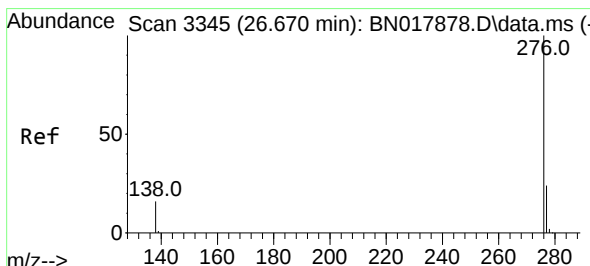
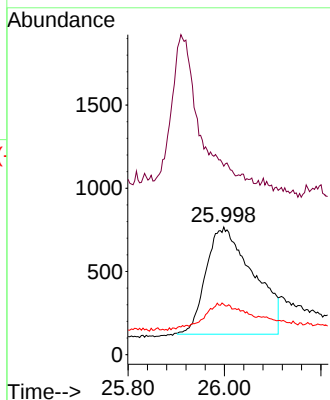
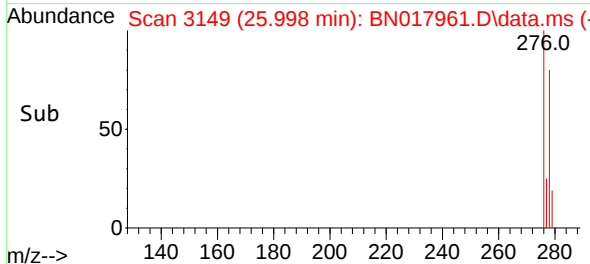
Instrument :
BNA_N
ClientSampleId :
FB02-20211207



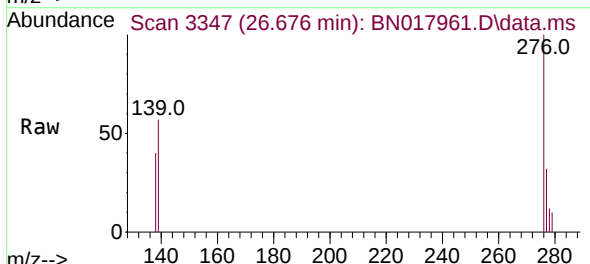
Tgt Ion:278 Resp: 4385
Ion Ratio Lower Upper
278 100
139 147.7 12.0 18.0#
279 39.4 20.8 31.2#

Manual Integrations
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Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#41
Benzo(g,h,i)perylene
Concen: 0.056 ng
RT: 26.676 min Scan# 3347
Delta R.T. 0.006 min
Lab File: BN017961.D
Acq: 13 Dec 2021 05:18



Tgt Ion:276 Resp: 7347
Ion Ratio Lower Upper
276 100
277 32.0 19.6 29.4#
138 40.2 13.8 20.8#

