

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121121\
 Data File : BN017958.D
 Acq On : 13 Dec 2021 03:31
 Operator : CG/JU
 Sample : M4988-13
 Misc :
 ALS Vial : 84 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE122D3-20211207

Manual Integrations
 APPROVED

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

Quant Time: Dec 13 04:33:06 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.714	152	29183	0.400	ng	0.00
7) Naphthalene-d8	10.494	136	115109	0.400	ng	0.00
13) Acenaphthene-d10	14.334	164	78311	0.400	ng	0.00
19) Phenanthrene-d10	17.092	188	150823	0.400	ng	0.00
29) Chrysene-d12	21.282	240	110243	0.400	ng	#-0.01
35) Perylene-d12	23.582	264	80244	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.335	112	6289	0.105	ng	0.00
5) Phenol-d6	6.903	99	3113	0.052	ng	0.00
8) Nitrobenzene-d5	8.859	82	20820m	0.277	ng	0.00
11) 2-Methylnaphthalene-d10	12.089	152	48503	0.240	ng	0.00
14) 2,4,6-Tribromophenol	15.844	330	805	0.351	ng	0.00
15) 2-Fluorobiphenyl	12.964	172	74301	0.270	ng	0.00
27) Fluoranthene-d10	19.124	212	171505	0.351	ng	0.00
31) Terphenyl-d14	19.730	244	134760	0.496	ng	-0.01
Target Compounds						
						Qvalue
9) Naphthalene	10.544	128	7360	0.026	ng	# 95
32) Benzo(a)anthracene	21.271	228	19929	0.106	ng	# 89
33) Chrysene	21.324	228	22098	0.061	ng	# 94
34) Bis(2-ethylhexyl)phtha...	21.208	149	965016	8.154	ng	98
36) Indeno(1,2,3-cd)pyrene	25.968	276	6570m	0.128	ng	
37) Benzo(b)fluoranthene	22.890	252	16158	0.061	ng	# 1
38) Benzo(k)fluoranthene	22.938	252	13140	0.051	ng	# 13
39) Benzo(a)pyrene	23.486	252	13945	0.059	ng	# 1
40) Dibenzo(a,h)anthracene	25.998	278	4302m	0.138	ng	
41) Benzo(g,h,i)perylene	26.676	276	6728	0.053	ng	# 67

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

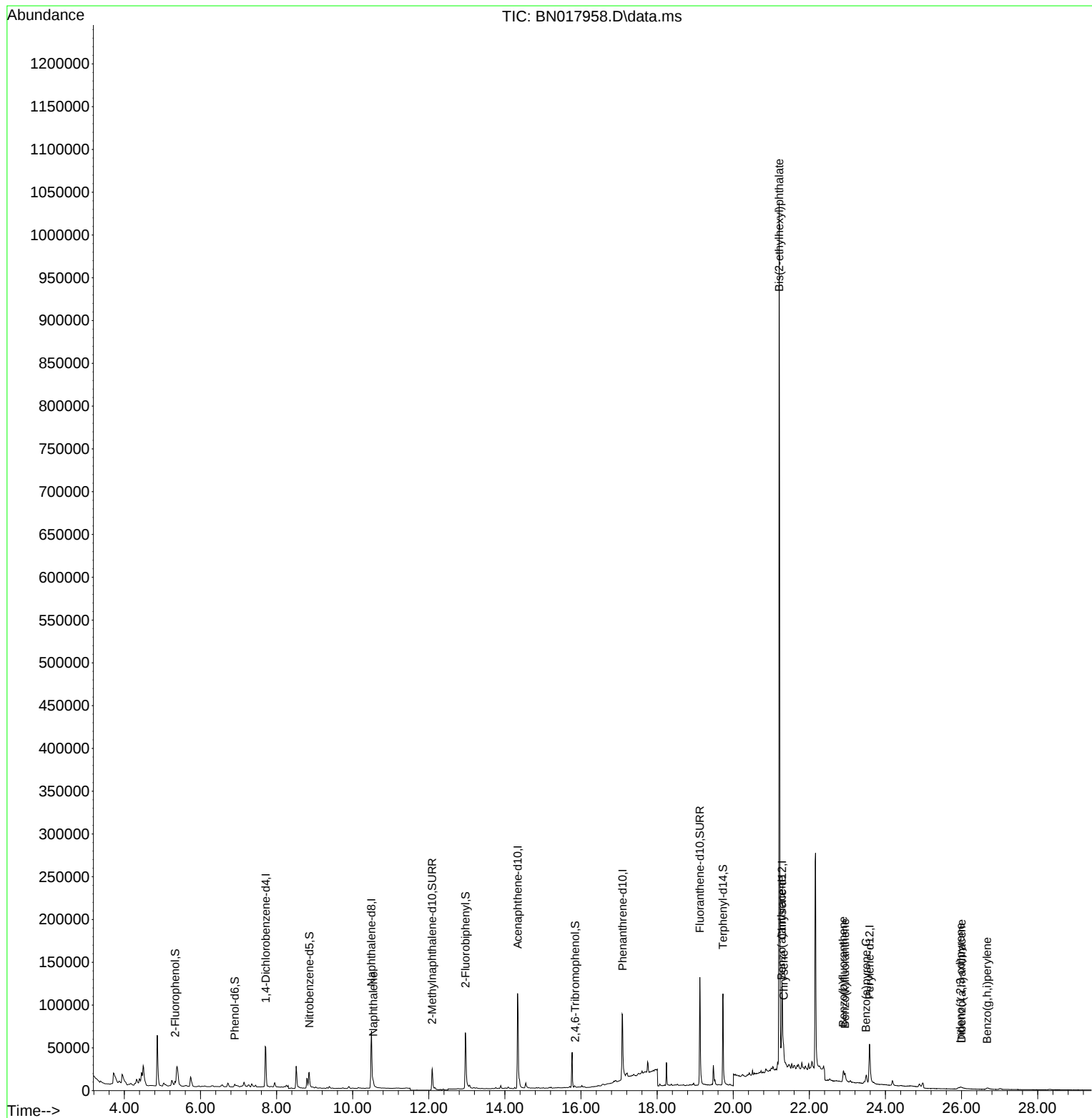
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121121\
Data File : BN017958.D
Acq On : 13 Dec 2021 03:31
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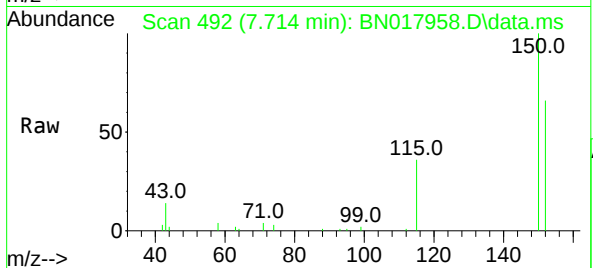
Reviewed By : Christian Giraldo 12/13/2021
Supervised By : Jagrut Upadhyay 12/13/2021





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.714 min Scan# 492
Delta R.T. -0.001 min
Lab File: BN017958.D
Acq: 13 Dec 2021 03:31

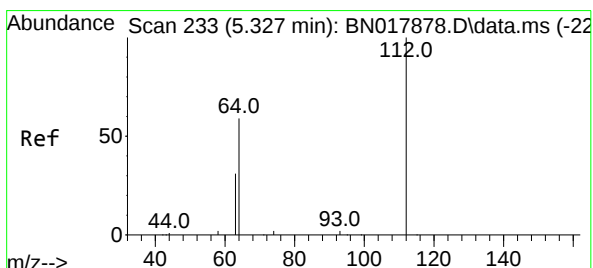
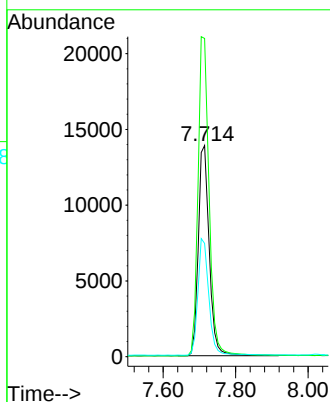
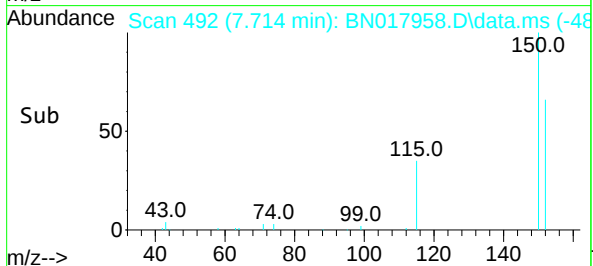
Instrument :
BNA_N
ClientSampleId :
RE122D3-20211207



Tgt Ion:152 Resp: 2918
Ion Ratio Lower Upper
152 100
150 150.7 121.9 182.9
115 53.7 44.1 66.1

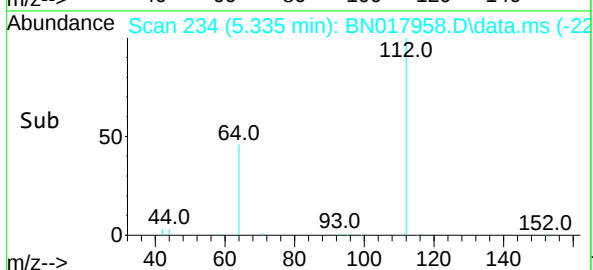
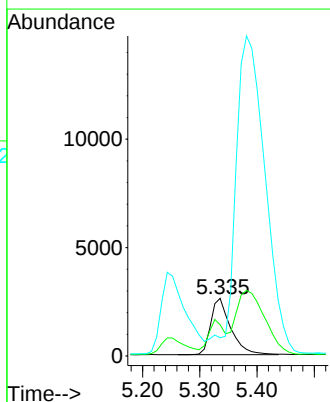
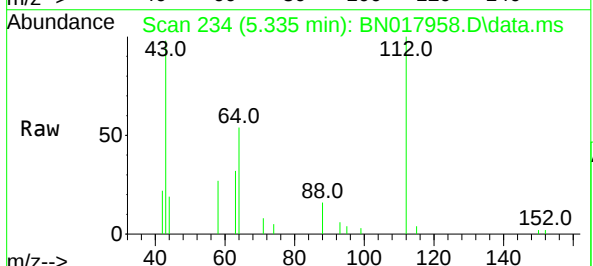
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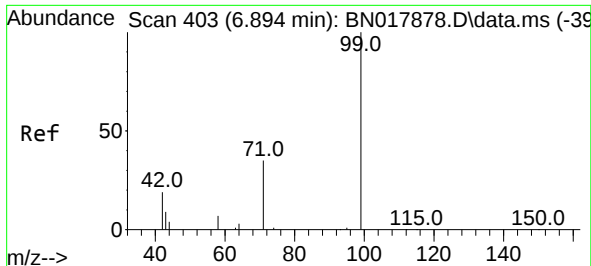
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#4
2-Fluorophenol
Concen: 0.105 ng
RT: 5.335 min Scan# 234
Delta R.T. 0.009 min
Lab File: BN017958.D
Acq: 13 Dec 2021 03:31

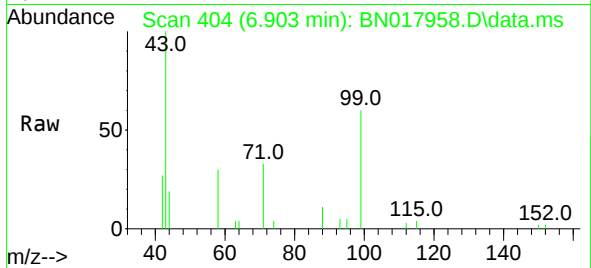
Tgt Ion:112 Resp: 6289
Ion Ratio Lower Upper
112 100
64 37.9 49.0 73.4#
63 0.0 26.2 39.2#





#5
Phenol-d6
Concen: 0.052 ng
RT: 6.903 min Scan# 403
Delta R.T. 0.009 min
Lab File: BN017958.D
Acq: 13 Dec 2021 03:31

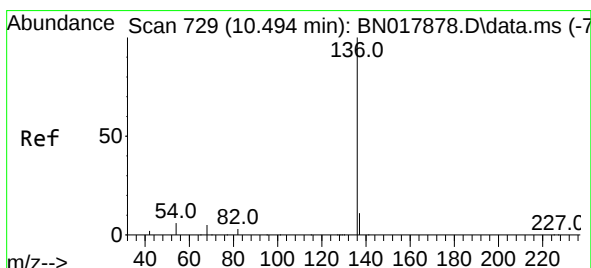
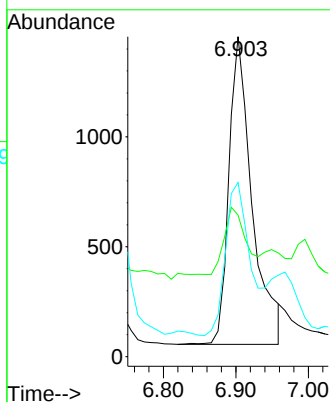
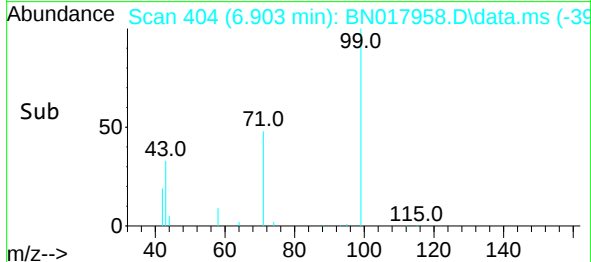
Instrument :
BNA_N
ClientSampleId :
RE122D3-20211207



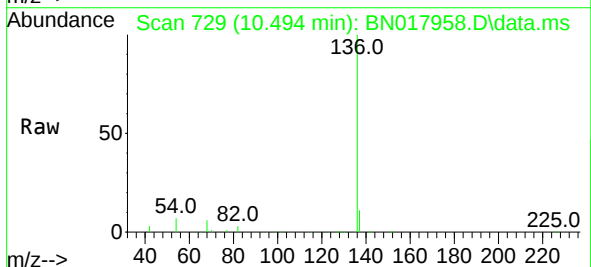
Tgt Ion: 99 Resp: 311
Ion Ratio Lower Upper
99 100
42 20.4 17.0 25.4
71 54.1 28.0 42.0

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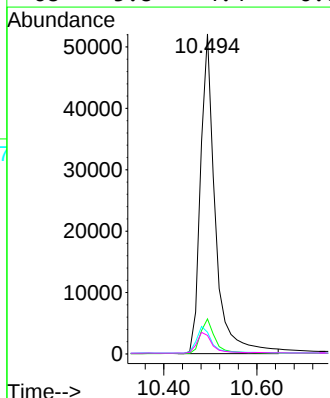
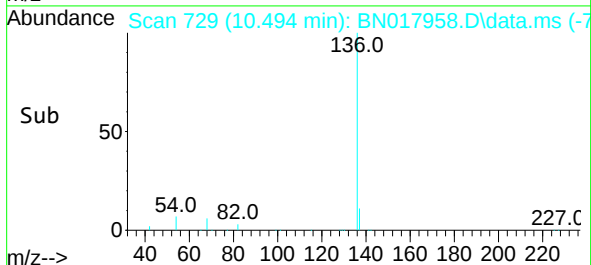
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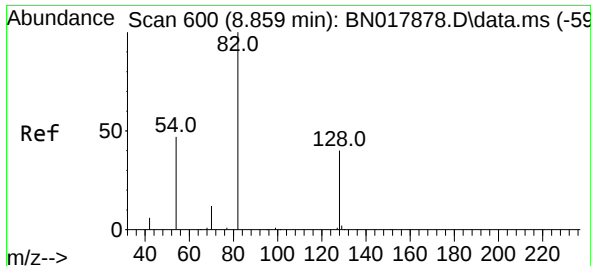


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.494 min Scan# 729
Delta R.T. -0.000 min
Lab File: BN017958.D
Acq: 13 Dec 2021 03:31



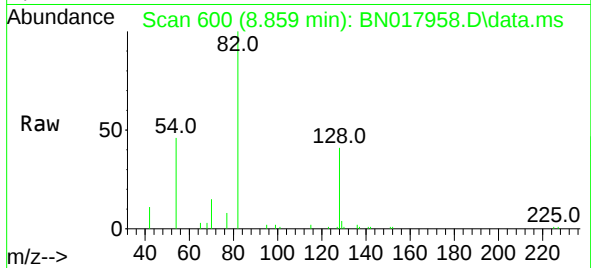
Tgt Ion:136 Resp: 115109
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 6.8 5.1 7.7
68 5.8 4.4 6.6





#8
Nitrobenzene-d5
Concen: 0.277 ng m
RT: 8.859 min Scan# 600
Delta R.T. -0.000 min
Lab File: BN017958.D
Acq: 13 Dec 2021 03:31

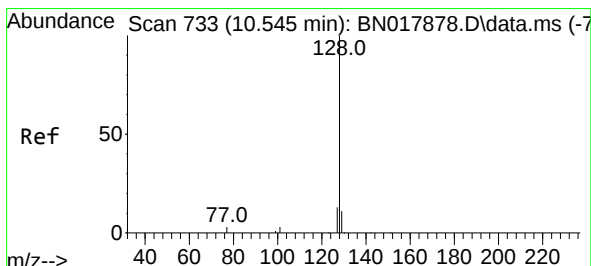
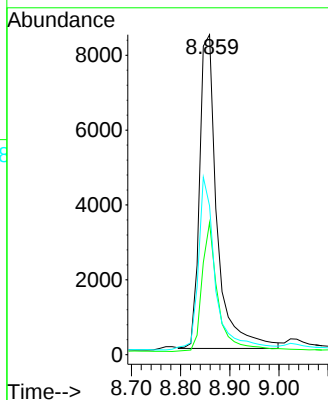
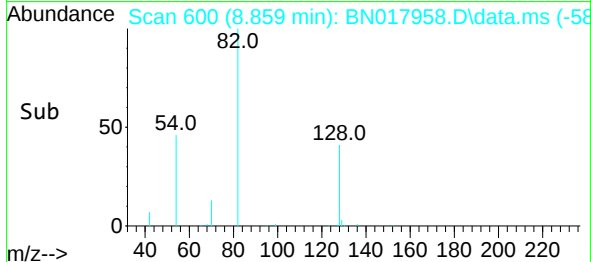
Instrument :
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ClientSampleId :
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Tgt Ion: 82 Resp: 20820
Ion Ratio Lower Upper
82 100
128 41.3 32.2 48.4
54 46.5 37.6 56.4

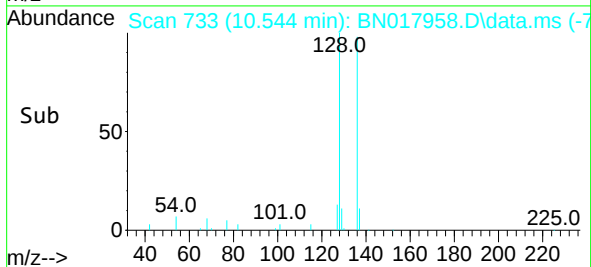
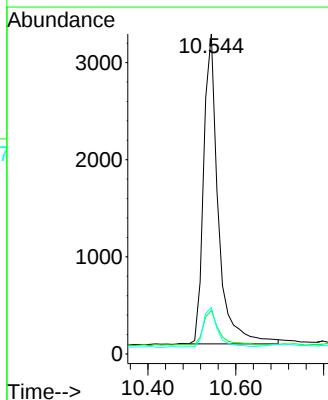
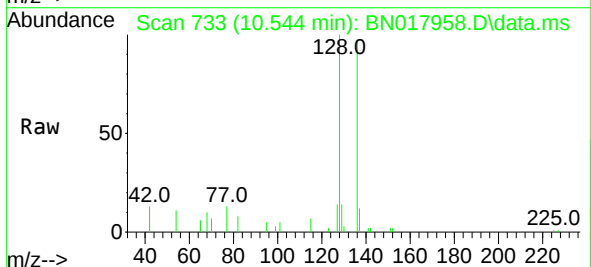
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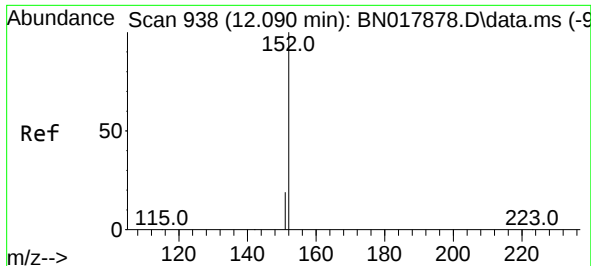
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#9
Naphthalene
Concen: 0.026 ng
RT: 10.544 min Scan# 733
Delta R.T. -0.001 min
Lab File: BN017958.D
Acq: 13 Dec 2021 03:31

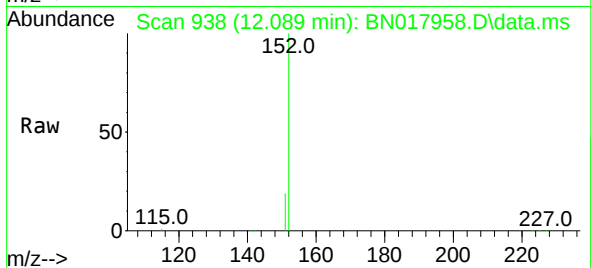
Tgt Ion:128 Resp: 7360
Ion Ratio Lower Upper
128 100
129 13.7 8.8 13.2#
127 14.5 10.5 15.7





#11
2-Methylnaphthalene-d10
Concen: 0.240 ng
RT: 12.089 min Scan# 911
Delta R.T. -0.000 min
Lab File: BN017958.D
Acq: 13 Dec 2021 03:31

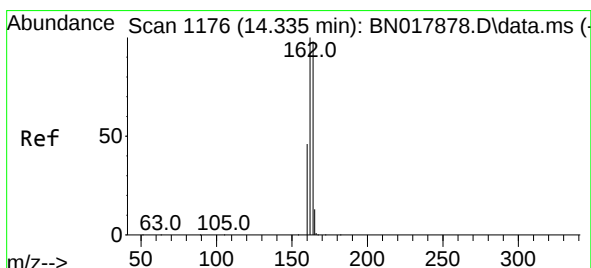
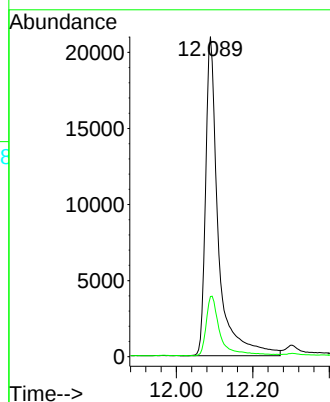
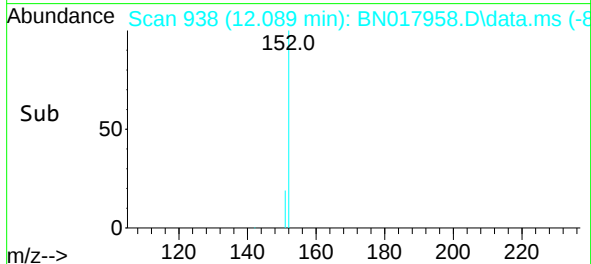
Instrument :
BNA_N
ClientSampleId :
RE122D3-20211207



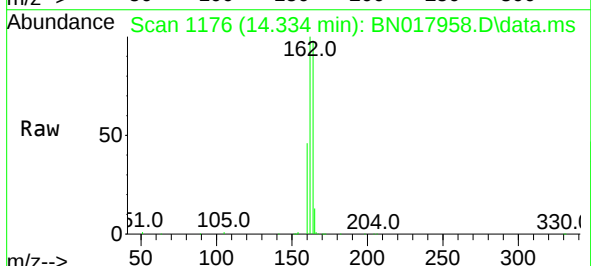
Tgt Ion:152 Resp: 4850
Ion Ratio Lower Upper
152 100
151 20.6 16.4 24.6

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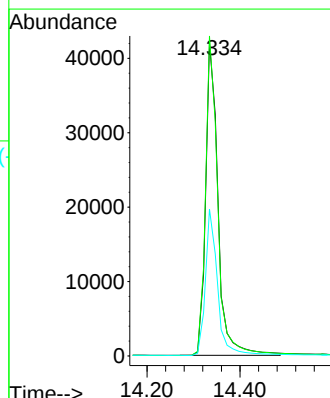
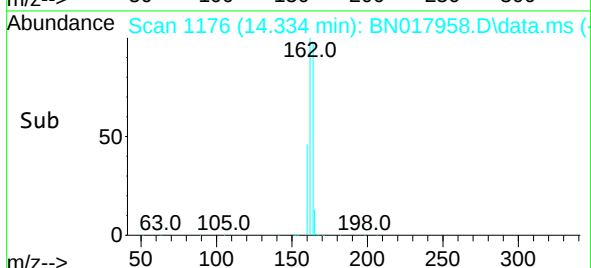
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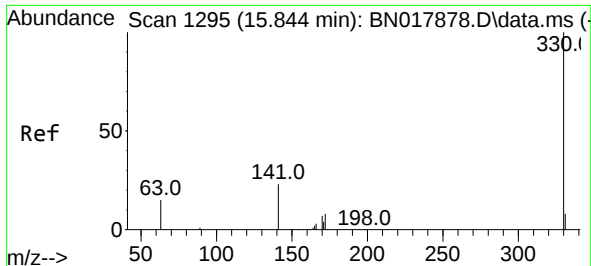


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.334 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BN017958.D
Acq: 13 Dec 2021 03:31



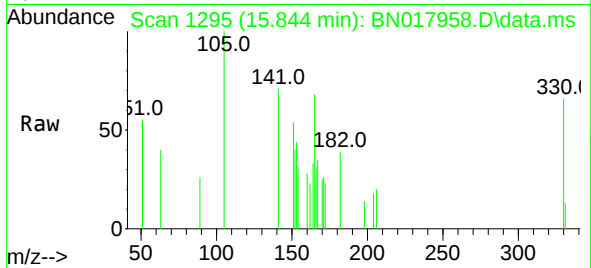
Tgt Ion:164 Resp: 78311
Ion Ratio Lower Upper
164 100
162 102.1 82.1 123.1
160 46.8 38.2 57.2





#14
2,4,6-Tribromophenol
Concen: 0.351 ng
RT: 15.844 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BN017958.D
Acq: 13 Dec 2021 03:31

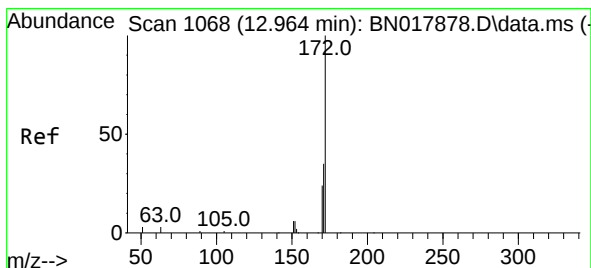
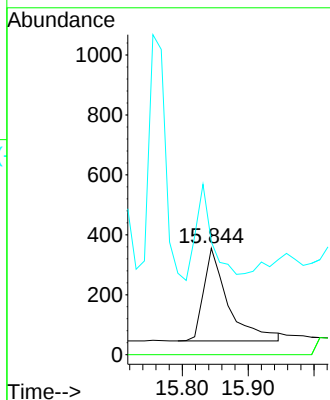
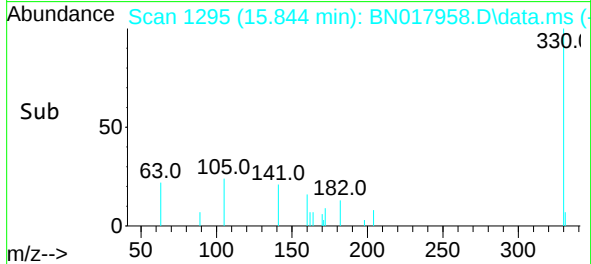
Instrument :
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ClientSampleId :
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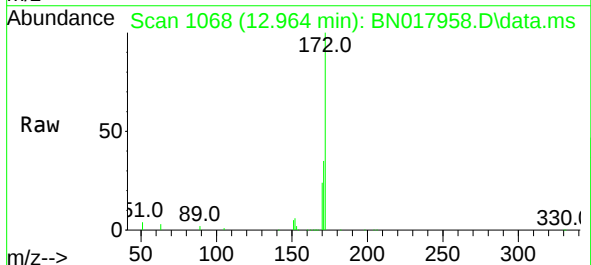
Tgt Ion:330 Resp: 800
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 69.1 19.7 29.5

Manual Integrations
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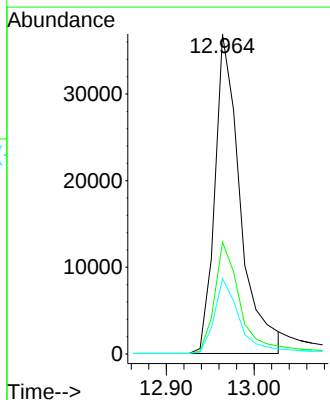
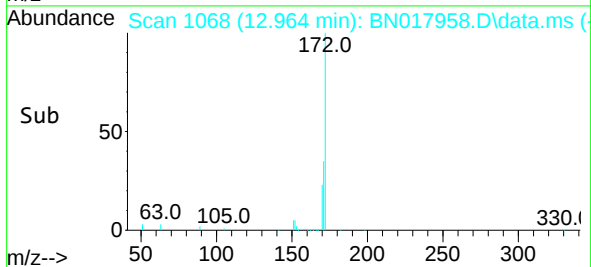
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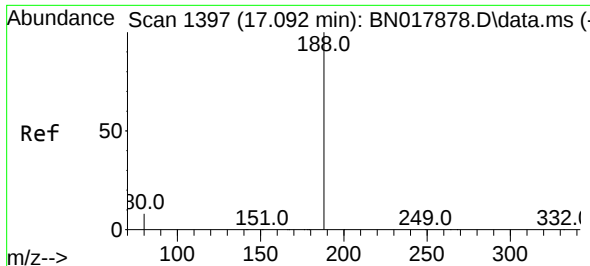


#15
2-Fluorobiphenyl
Concen: 0.270 ng
RT: 12.964 min Scan# 1068
Delta R.T. -0.000 min
Lab File: BN017958.D
Acq: 13 Dec 2021 03:31



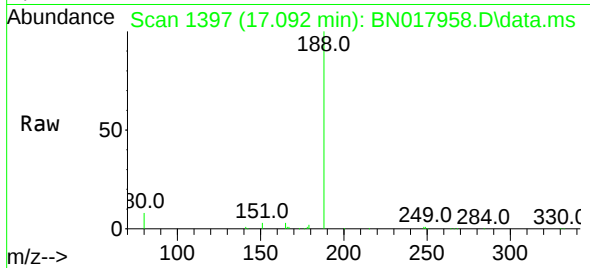
Tgt Ion:172 Resp: 74301
Ion Ratio Lower Upper
172 100
171 34.9 28.3 42.5
170 23.6 19.1 28.7





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.092 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN017958.D
Acq: 13 Dec 2021 03:31

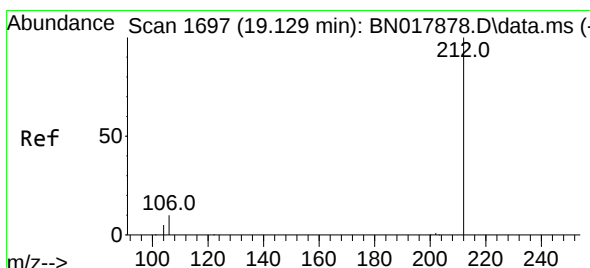
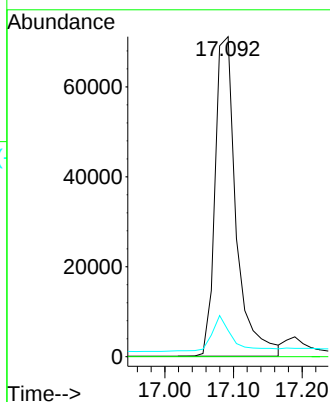
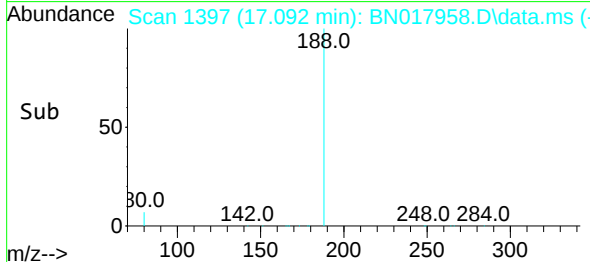
Instrument :
BNA_N
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RE122D3-20211207



Tgt Ion:188 Resp: 150823
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.2 6.2 9.2

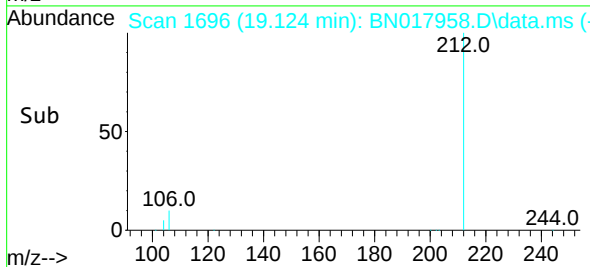
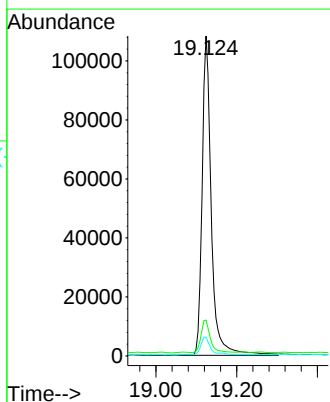
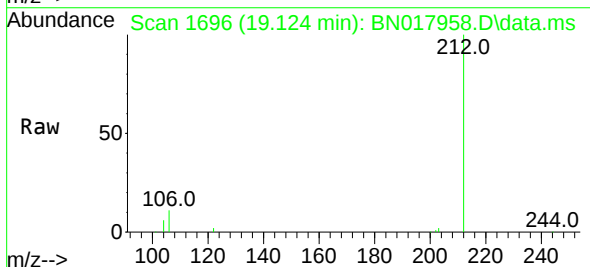
Manual Integrations
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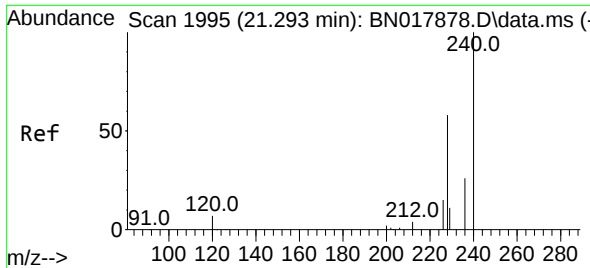
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#27
Fluoranthene-d10
Concen: 0.351 ng
RT: 19.124 min Scan# 1696
Delta R.T. -0.005 min
Lab File: BN017958.D
Acq: 13 Dec 2021 03:31

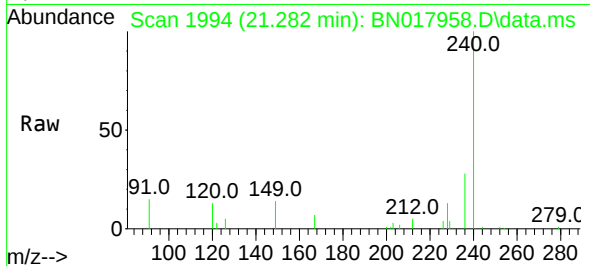
Tgt Ion:212 Resp: 171505
Ion Ratio Lower Upper
212 100
106 10.2 8.3 12.5
104 5.4 4.6 6.8





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.282 min Scan# 1994
Delta R.T. -0.011 min
Lab File: BN017958.D
Acq: 13 Dec 2021 03:31

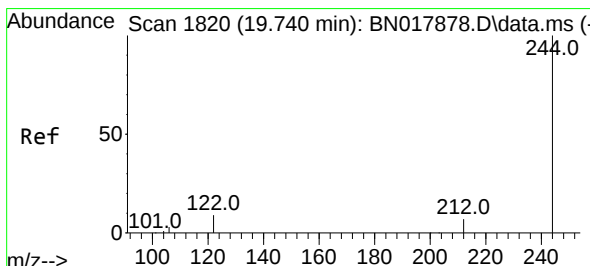
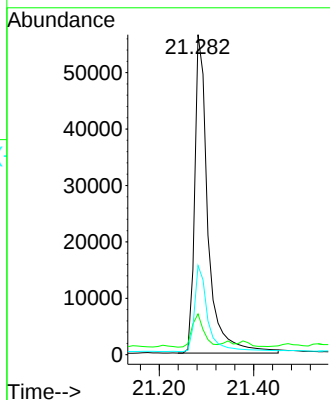
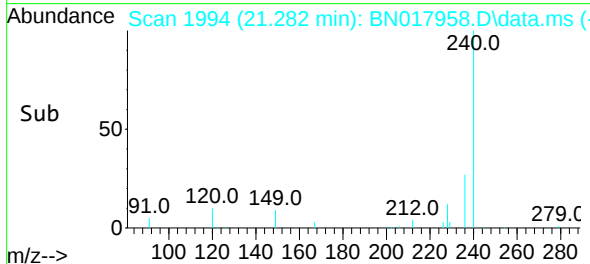
Instrument :
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ClientSampleId :
RE122D3-20211207



Tgt Ion:240 Resp: 11024
Ion Ratio Lower Upper
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120 12.7 5.8 8.8
236 27.8 21.0 31.6

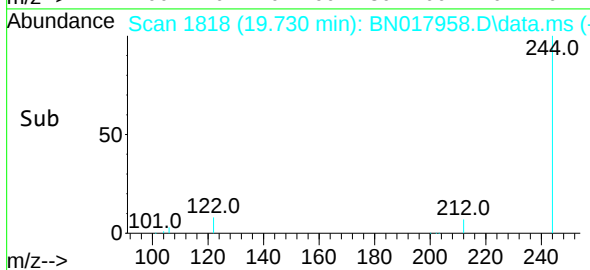
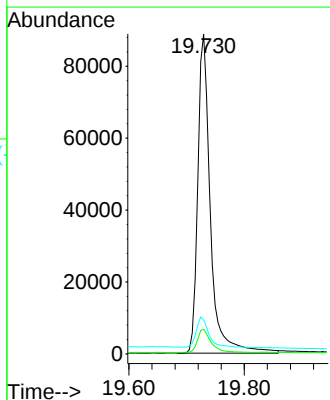
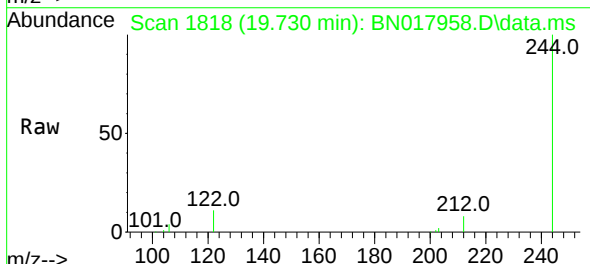
Manual Integrations
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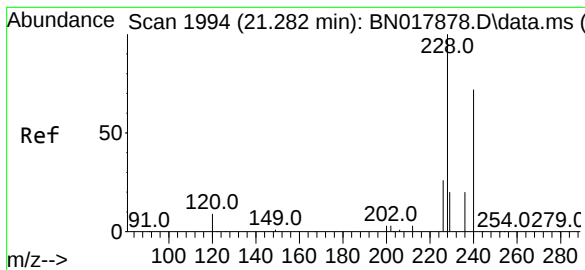
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Supervised By :Jagrut Upadhyay 12/13/2021



#31
Terphenyl-d14
Concen: 0.496 ng
RT: 19.730 min Scan# 1818
Delta R.T. -0.010 min
Lab File: BN017958.D
Acq: 13 Dec 2021 03:31

Tgt Ion:244 Resp: 134760
Ion Ratio Lower Upper
244 100
212 7.7 6.2 9.2
122 10.7 7.5 11.3





#32

Benzo(a)anthracene

Concen: 0.106 ng

RT: 21.271 min Scan# 1993

Delta R.T. -0.011 min

Lab File: BN017958.D

Acq: 13 Dec 2021 03:31

Instrument :

BNA_N

ClientSampleId :

RE122D3-20211207

Tgt Ion:228 Resp: 19929

Ion Ratio Lower Upper

228 100

226 30.1 21.0 31.4

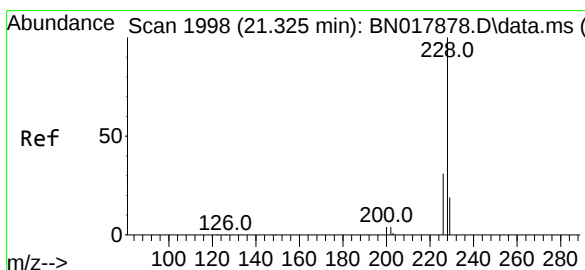
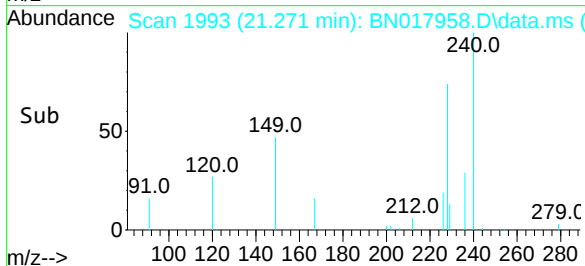
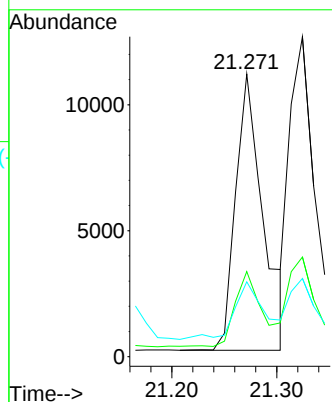
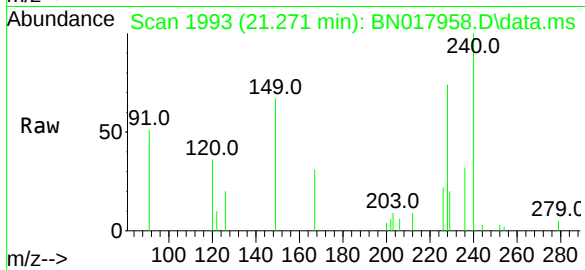
229 26.5 15.8 23.8

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Reviewed By :Christian Giraldo 12/13/2021

Supervised By :Jagrut Upadhyay 12/13/2021



#33

Chrysene

Concen: 0.061 ng

RT: 21.324 min Scan# 1998

Delta R.T. -0.001 min

Lab File: BN017958.D

Acq: 13 Dec 2021 03:31

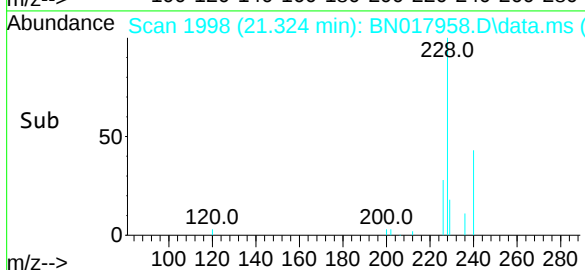
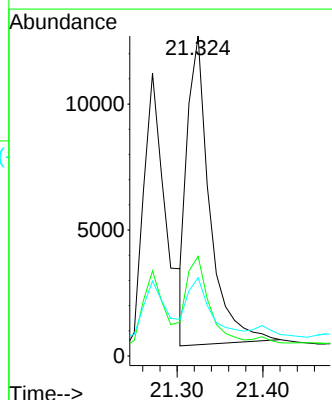
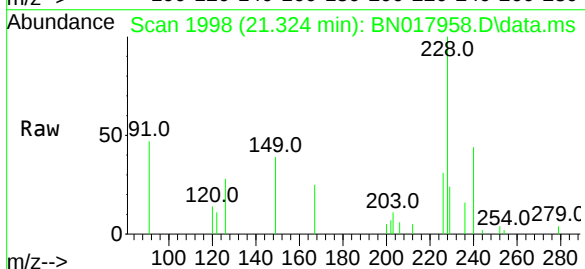
Tgt Ion:228 Resp: 22098

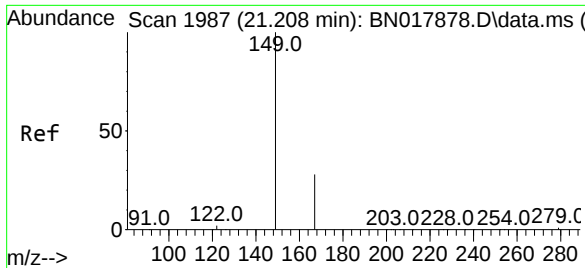
Ion Ratio Lower Upper

228 100

226 31.2 23.8 35.8

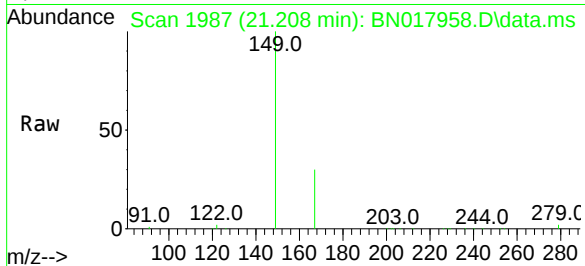
229 24.4 15.6 23.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 8.154 ng
RT: 21.208 min Scan# 1987
Delta R.T. -0.000 min
Lab File: BN017958.D
Acq: 13 Dec 2021 03:31

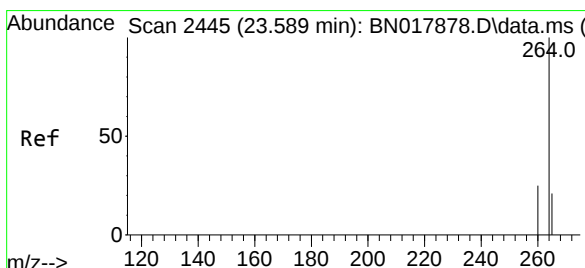
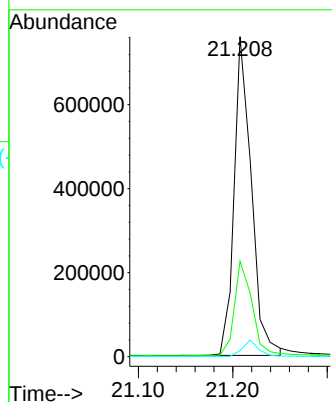
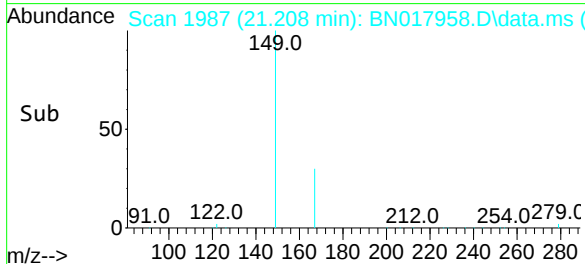
Instrument :
BNA_N
ClientSampleId :
RE122D3-20211207



Tgt Ion:149 Resp: 965010
Ion Ratio Lower Upper
149 100
167 30.3 23.4 35.0
279 4.8 3.6 5.4

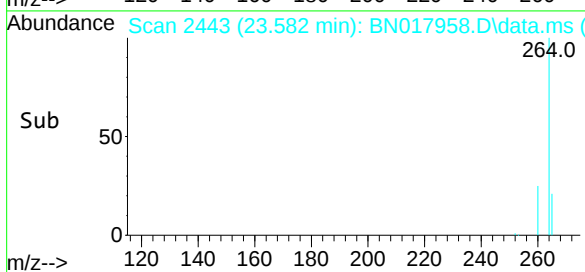
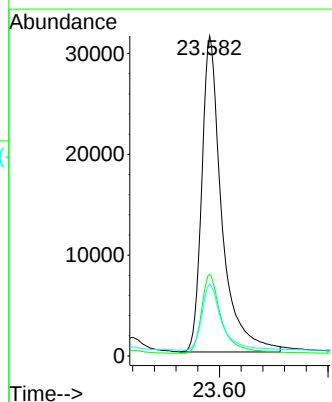
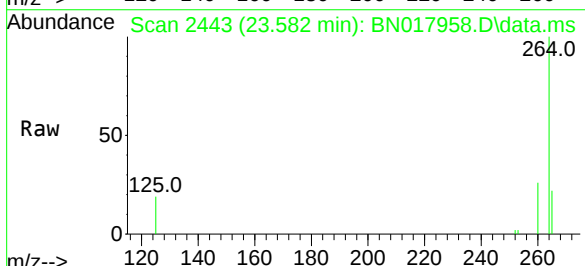
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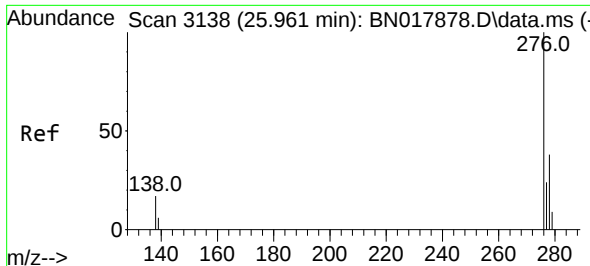
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.582 min Scan# 2443
Delta R.T. -0.007 min
Lab File: BN017958.D
Acq: 13 Dec 2021 03:31

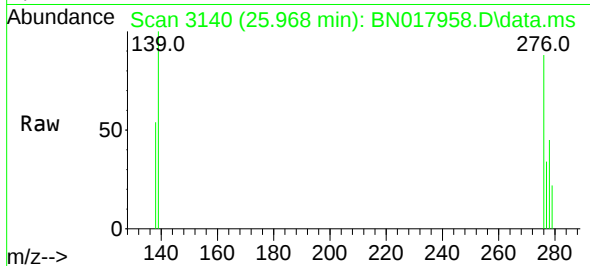
Tgt Ion:264 Resp: 80244
Ion Ratio Lower Upper
264 100
260 25.5 20.2 30.4
265 22.5 18.2 27.4





#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.128 ng m
 RT: 25.968 min Scan# 3138
 Delta R.T. 0.007 min
 Lab File: BN017958.D
 Acq: 13 Dec 2021 03:31

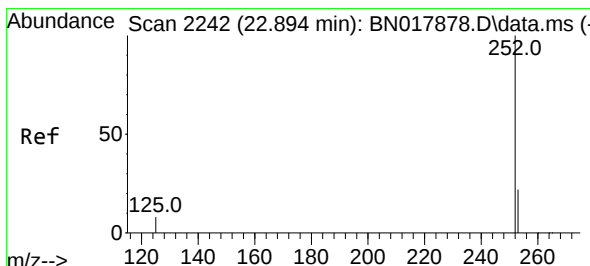
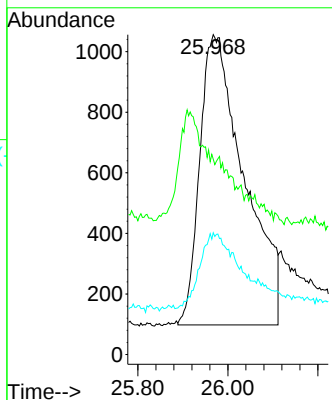
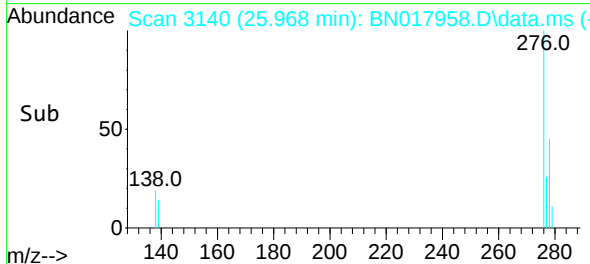
Instrument :
 BNA_N
 ClientSampleId :
 RE122D3-20211207



Tgt Ion: 276 Resp: 6570
 Ion Ratio Lower Upper
 276 100
 138 0.0 15.2 22.8#
 277 21.5 19.8 29.6#

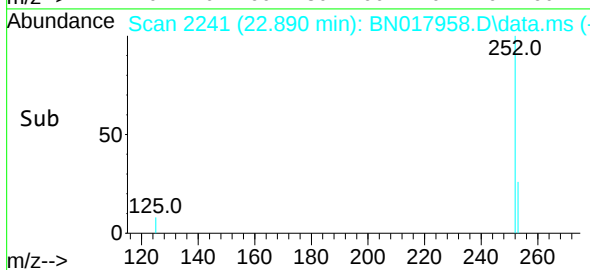
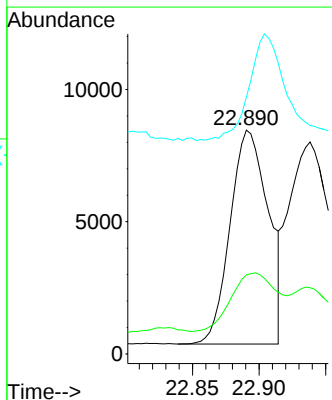
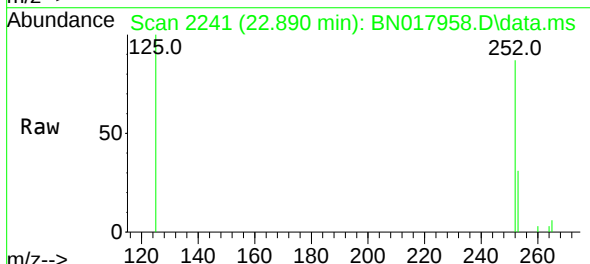
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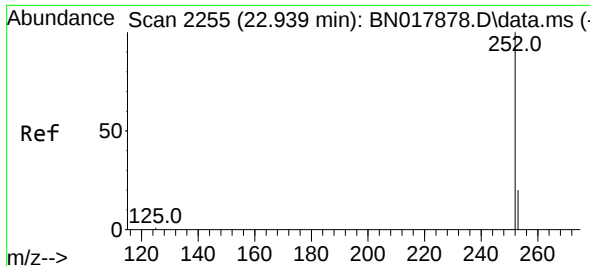
Reviewed By : Christian Giraldo 12/13/2021
 Supervised By : Jagrut Upadhyay 12/13/2021



#37
 Benzo(b)fluoranthene
 Concen: 0.061 ng
 RT: 22.890 min Scan# 2241
 Delta R.T. -0.004 min
 Lab File: BN017958.D
 Acq: 13 Dec 2021 03:31

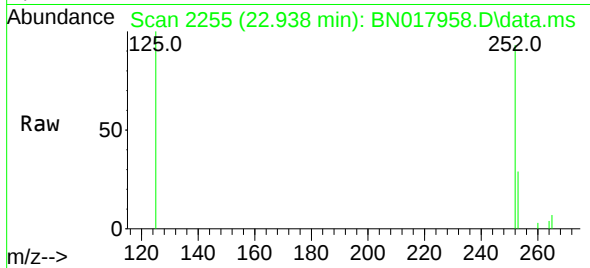
Tgt Ion: 252 Resp: 16158
 Ion Ratio Lower Upper
 252 100
 253 35.3 17.9 26.9#
 125 114.7 6.8 10.2#





#38
Benzo(k)fluoranthene
Concen: 0.051 ng
RT: 22.938 min Scan# 2114
Delta R.T. -0.000 min
Lab File: BN017958.D
Acq: 13 Dec 2021 03:31

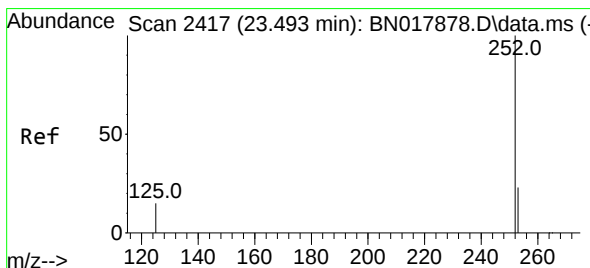
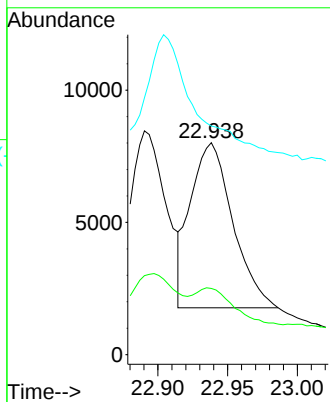
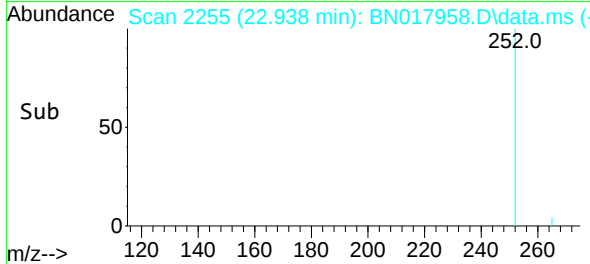
Instrument : BNA_N
ClientSampleId : RE122D3-20211207



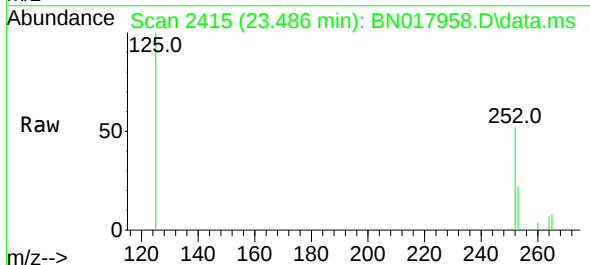
Tgt Ion:252 Resp: 13140
Ion Ratio Lower Upper
252 100
253 31.3 17.8 26.6#
125 107.9 6.1 9.1#

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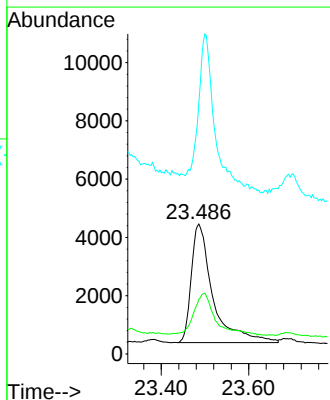
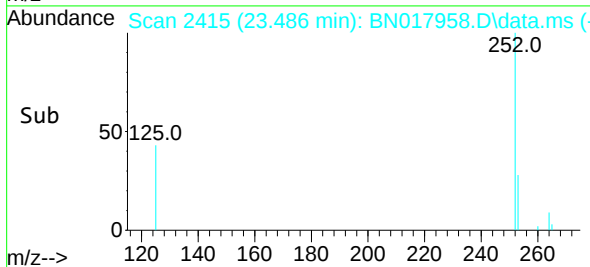
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021

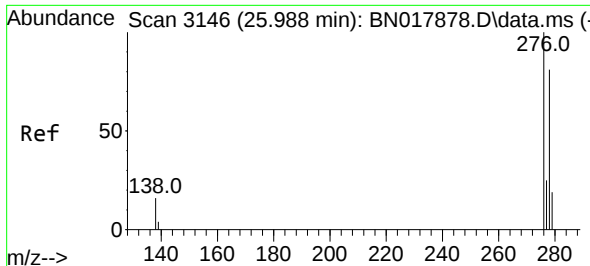


#39
Benzo(a)pyrene
Concen: 0.059 ng
RT: 23.486 min Scan# 2415
Delta R.T. -0.007 min
Lab File: BN017958.D
Acq: 13 Dec 2021 03:31



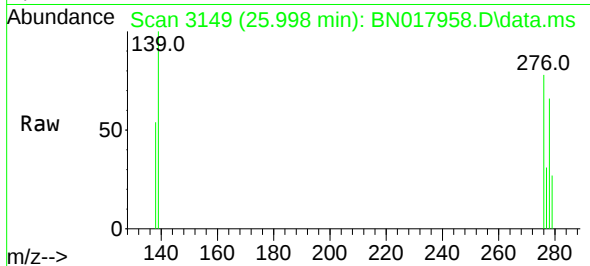
Tgt Ion:252 Resp: 13945
Ion Ratio Lower Upper
252 100
253 42.1 18.8 28.2#
125 193.2 12.2 18.2#





#40
Dibenzo(a,h)anthracene
Concen: 0.138 ng m
RT: 25.998 min Scan# 3146
Delta R.T. 0.010 min
Lab File: BN017958.D
Acq: 13 Dec 2021 03:31

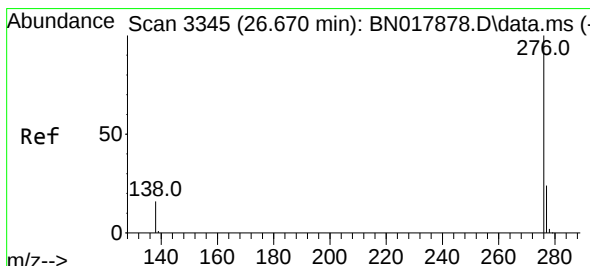
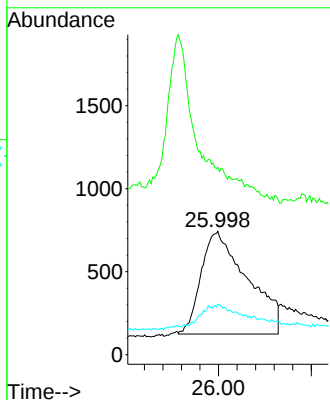
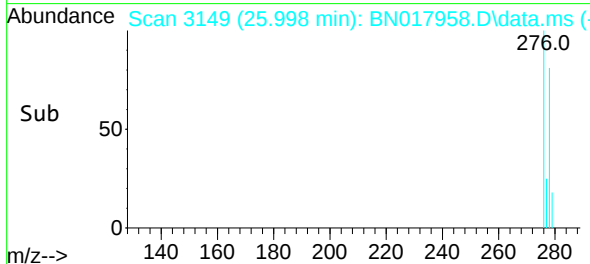
Instrument :
BNA_N
ClientSampleId :
RE122D3-20211207



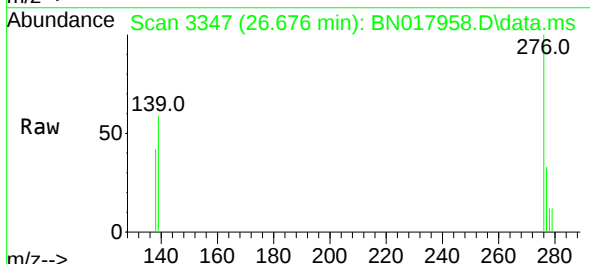
Tgt Ion:278 Resp: 430
Ion Ratio Lower Upper
278 100
139 152.0 12.0 18.0#
279 41.0 20.8 31.2#

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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: 0.053 ng
RT: 26.676 min Scan# 3347
Delta R.T. 0.006 min
Lab File: BN017958.D
Acq: 13 Dec 2021 03:31



Tgt Ion:276 Resp: 6728
Ion Ratio Lower Upper
276 100
277 32.7 19.6 29.4#
138 42.3 13.8 20.8#

