

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121121\
 Data File : BN017960.D
 Acq On : 13 Dec 2021 04:43
 Operator : CG/JU
 Sample : M4988-15
 Misc :
 ALS Vial : 86 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE126D2-20211207

Manual Integrations
 APPROVED

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

Quant Time: Dec 13 05:16:41 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	7.706	152	30246	0.400	ng	0.00
7) Naphthalene-d8	10.494	136	119021	0.400	ng	0.00
13) Acenaphthene-d10	14.335	164	81778	0.400	ng	0.00
19) Phenanthrene-d10	17.080	188	165944	0.400	ng	#-0.01
29) Chrysene-d12	21.282	240	115215	0.400	ng	#-0.01
35) Perylene-d12	23.582	264	86404	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.327	112	5489	0.088	ng	0.00
5) Phenol-d6	6.903	99	2669	0.043	ng	0.00
8) Nitrobenzene-d5	8.846	82	17432m	0.224	ng	-0.01
11) 2-Methylnaphthalene-d10	12.090	152	42530	0.203	ng	0.00
14) 2,4,6-Tribromophenol	15.844	330	1265	0.361	ng	0.00
15) 2-Fluorobiphenyl	12.964	172	65411	0.227	ng	0.00
27) Fluoranthene-d10	19.124	212	150850	0.280	ng	0.00
31) Terphenyl-d14	19.730	244	127419	0.449	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.270	88	27712m	3.019	ng	
9) Naphthalene	10.545	128	6867	0.023	ng	# 94
32) Benzo(a)anthracene	21.272	228	17077m	0.096	ng	
33) Chrysene	21.325	228	23067	0.061	ng	# 95
34) Bis(2-ethylhexyl)phtha...	21.208	149	855135	6.913	ng	98
36) Indeno(1,2,3-cd)pyrene	25.965	276	6732m	0.126	ng	
37) Benzo(b)fluoranthene	22.891	252	15016	0.053	ng	# 3
38) Benzo(k)fluoranthene	22.935	252	13171m	0.047	ng	
39) Benzo(a)pyrene	23.486	252	13762	0.054	ng	# 1
40) Dibenzo(a,h)anthracene	25.995	278	4427m	0.137	ng	
41) Benzo(g,h,i)perylene	26.673	276	7411	0.054	ng	# 72

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

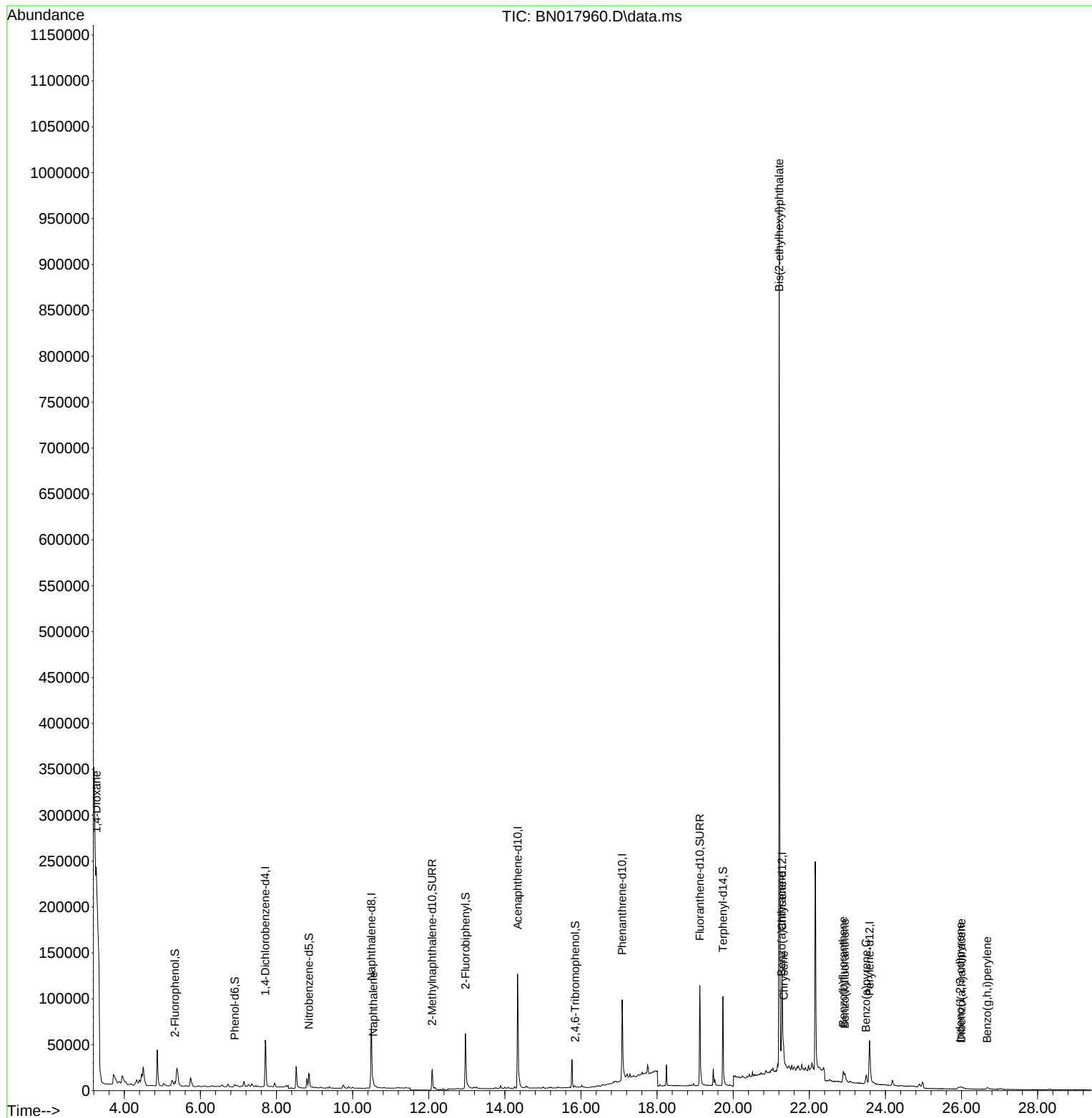
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121121\
Data File : BN017960.D
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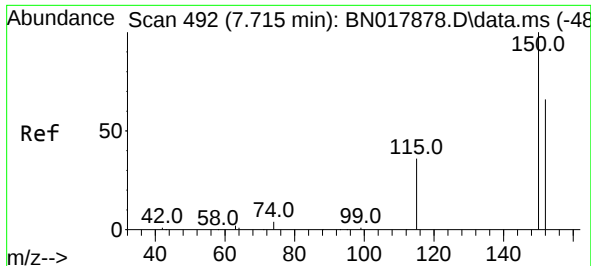
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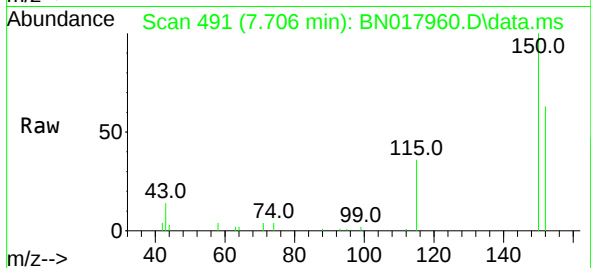
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.706 min Scan# 49
Delta R.T. -0.009 min
Lab File: BN017960.D
Acq: 13 Dec 2021 04:43

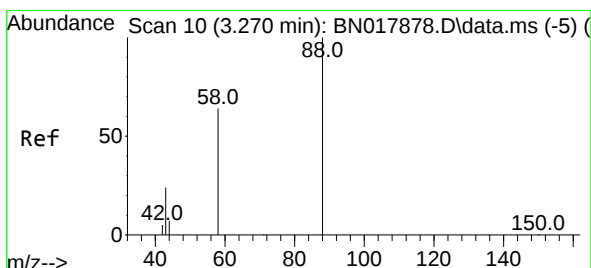
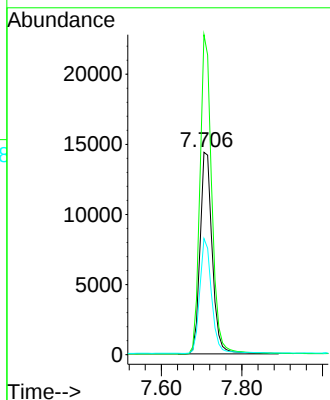
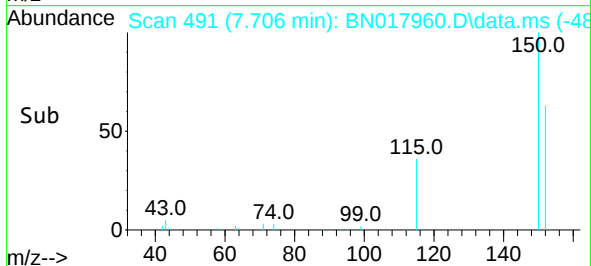
Instrument :
BNA_N
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RE126D2-20211207



Tgt Ion:152 Resp: 30240
Ion Ratio Lower Upper
152 100
150 158.1 121.9 182.9
115 57.4 44.1 66.1

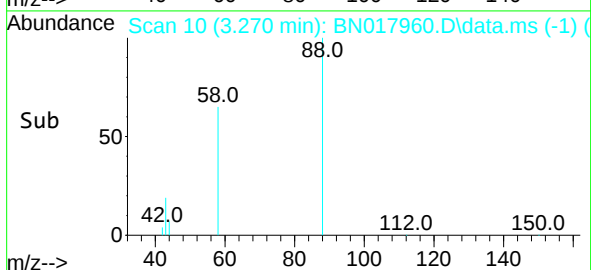
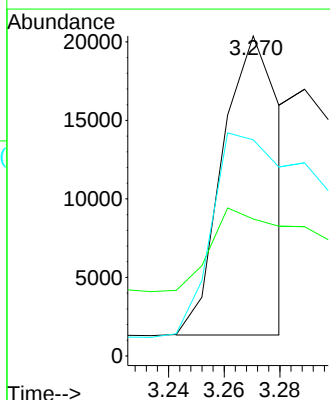
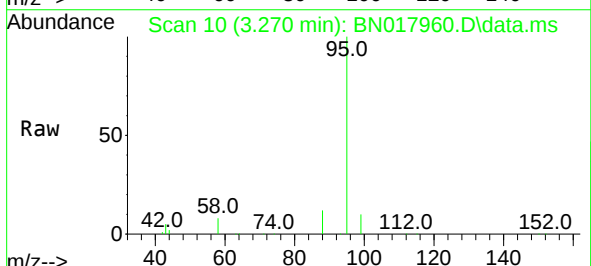
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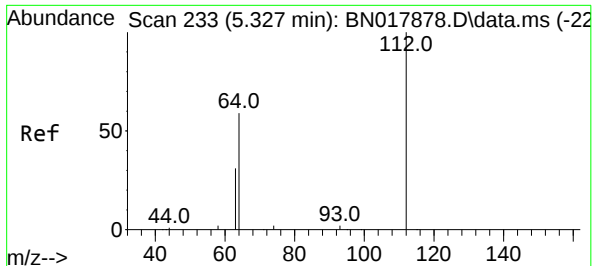
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#2
1,4-Dioxane
Concen: 3.019 ng m
RT: 3.270 min Scan# 10
Delta R.T. 0.000 min
Lab File: BN017960.D
Acq: 13 Dec 2021 04:43

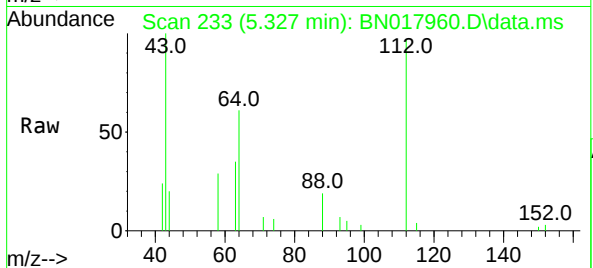
Tgt Ion: 88 Resp: 27712
Ion Ratio Lower Upper
88 100
43 46.3 28.0 42.0#
58 121.0 65.4 98.0#





#4
2-Fluorophenol
Concen: 0.088 ng
RT: 5.327 min Scan# 211
Delta R.T. 0.000 min
Lab File: BN017960.D
Acq: 13 Dec 2021 04:43

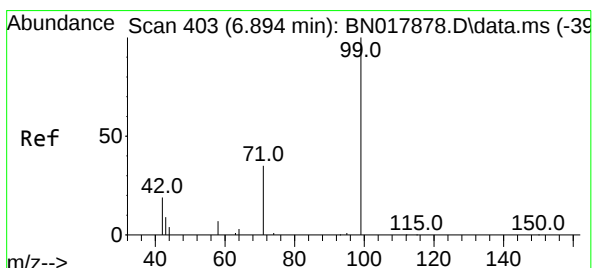
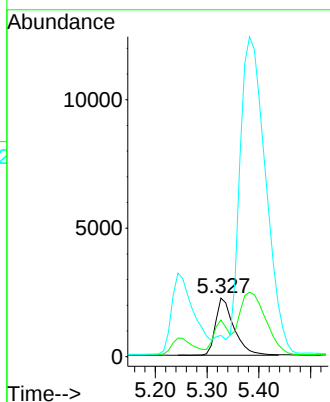
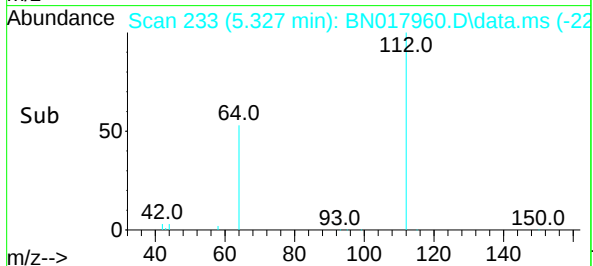
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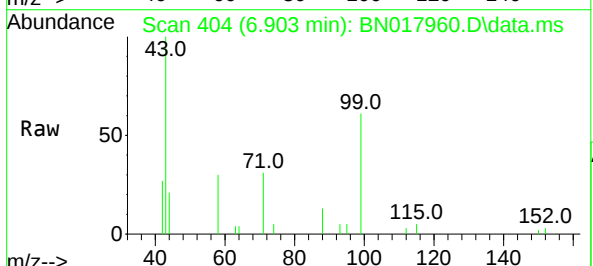
Tgt Ion: 112 Resp: 5489
Ion Ratio Lower Upper
112 100
64 37.6 49.0 73.4
63 0.0 26.2 39.2

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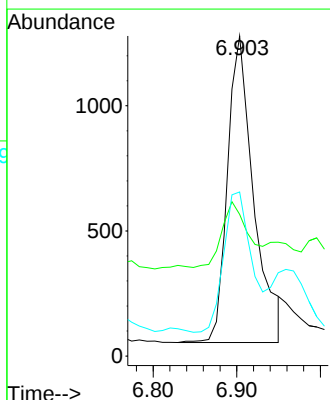
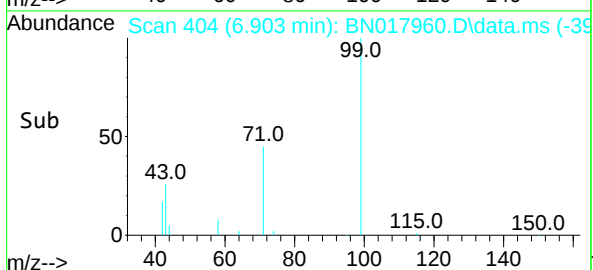
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#5
Phenol-d6
Concen: 0.043 ng
RT: 6.903 min Scan# 404
Delta R.T. 0.009 min
Lab File: BN017960.D
Acq: 13 Dec 2021 04:43



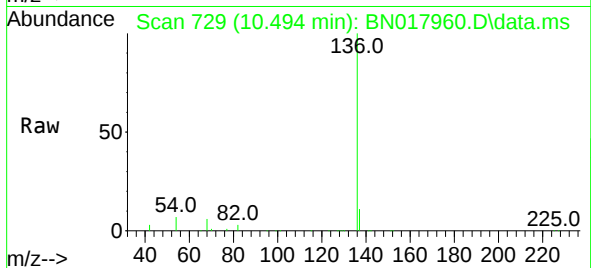
Tgt Ion: 99 Resp: 2669
Ion Ratio Lower Upper
99 100
42 21.8 17.0 25.4
71 48.4 28.0 42.0





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.494 min Scan# 729
Delta R.T. 0.000 min
Lab File: BN017960.D
Acq: 13 Dec 2021 04:43

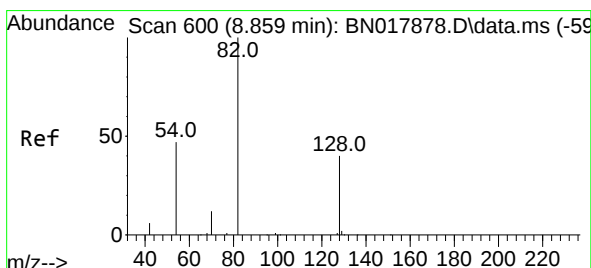
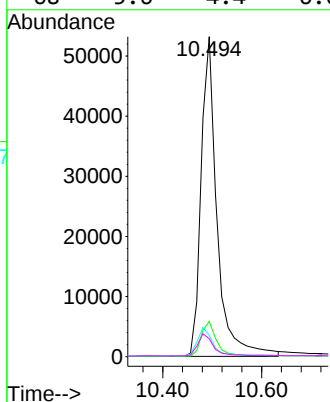
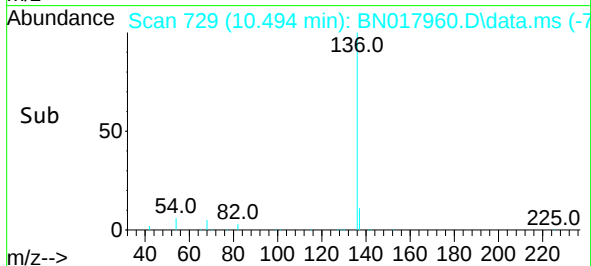
Instrument :
BNA_N
ClientSampleId :
RE126D2-20211207



Tgt Ion:136 Resp: 11902
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 6.6 5.1 7.7
68 5.6 4.4 6.6

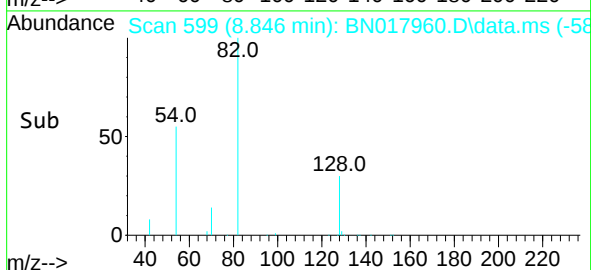
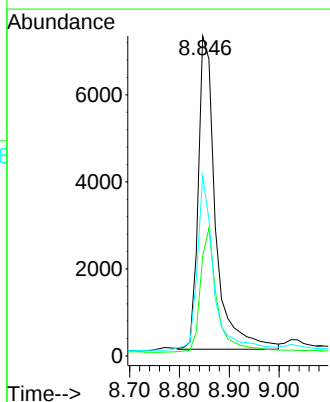
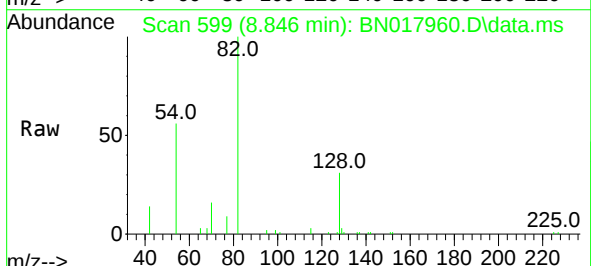
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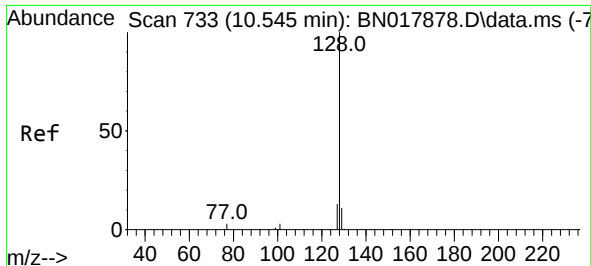
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#8
Nitrobenzene-d5
Concen: 0.224 ng m
RT: 8.846 min Scan# 599
Delta R.T. -0.013 min
Lab File: BN017960.D
Acq: 13 Dec 2021 04:43

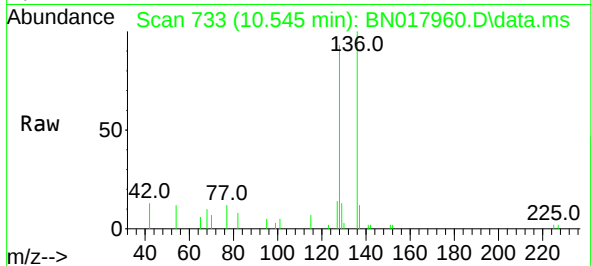
Tgt Ion: 82 Resp: 17432
Ion Ratio Lower Upper
82 100
128 31.1 32.2 48.4#
54 56.2 37.6 56.4





#9
Naphthalene
Concen: 0.023 ng
RT: 10.545 min Scan# 71
Delta R.T. -0.000 min
Lab File: BN017960.D
Acq: 13 Dec 2021 04:43

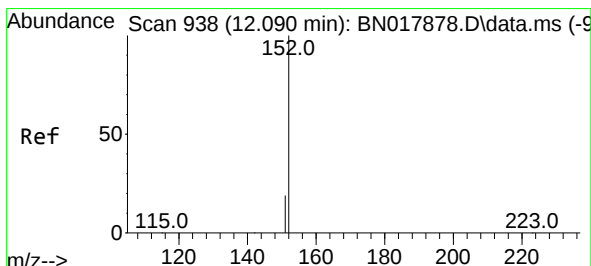
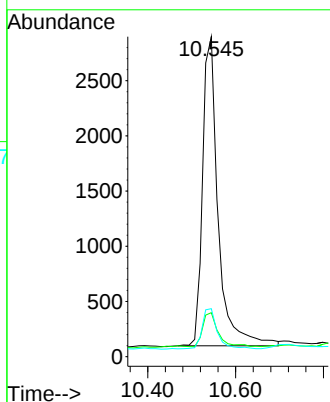
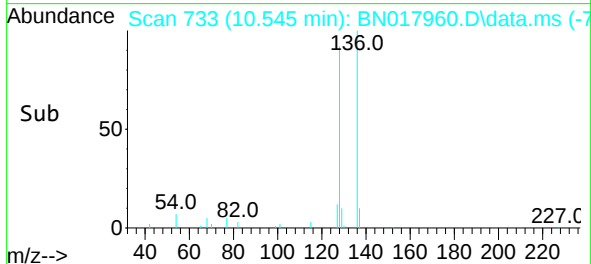
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Tgt Ion:128 Resp: 686
Ion Ratio Lower Upper
128 100
129 13.8 8.8 13.2
127 15.0 10.5 15.7

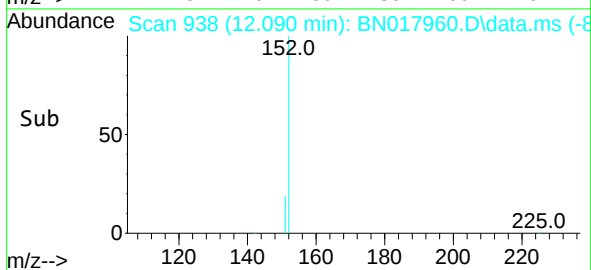
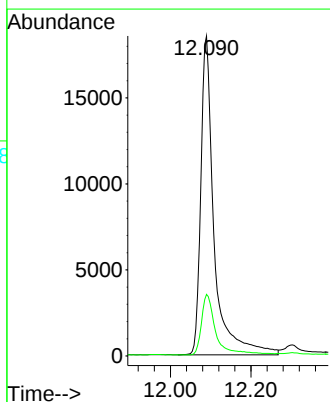
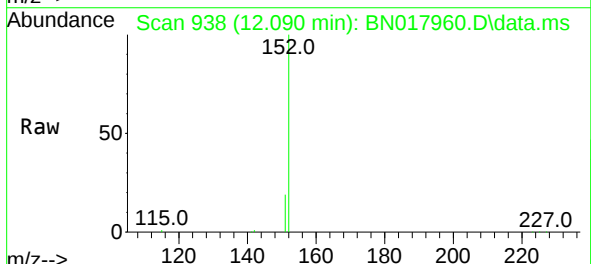
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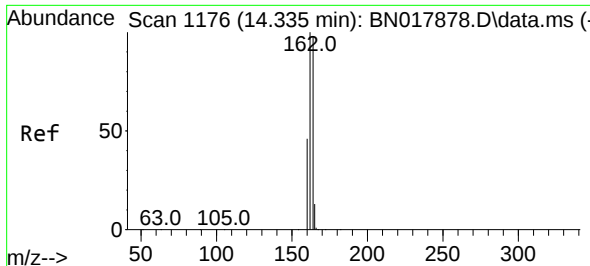
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#11
2-Methylnaphthalene-d10
Concen: 0.203 ng
RT: 12.090 min Scan# 938
Delta R.T. 0.000 min
Lab File: BN017960.D
Acq: 13 Dec 2021 04:43

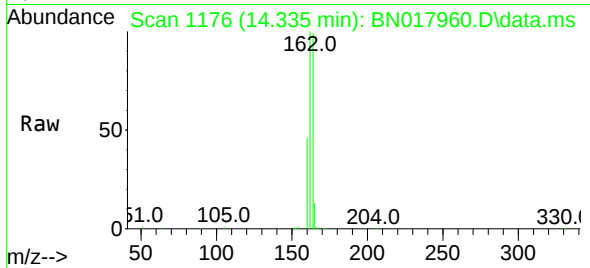
Tgt Ion:152 Resp: 42530
Ion Ratio Lower Upper
152 100
151 20.7 16.4 24.6





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.335 min Scan# 1176
Delta R.T. 0.000 min
Lab File: BN017960.D
Acq: 13 Dec 2021 04:43

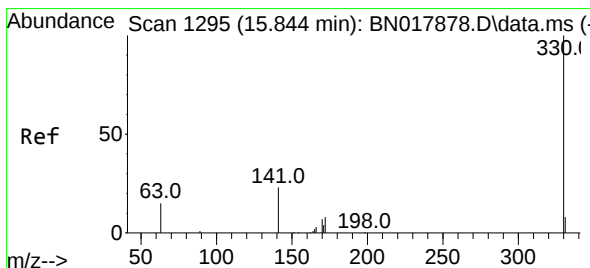
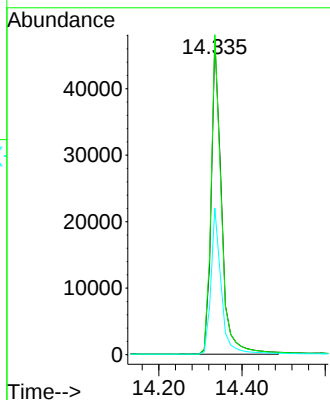
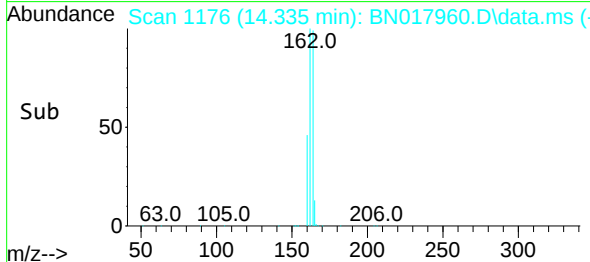
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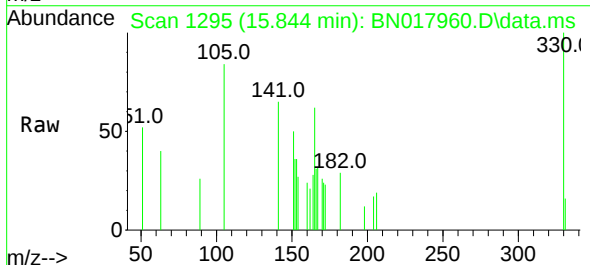
Tgt Ion:164 Resp: 81778
Ion Ratio Lower Upper
164 100
162 101.3 82.1 123.1
160 46.4 38.2 57.2

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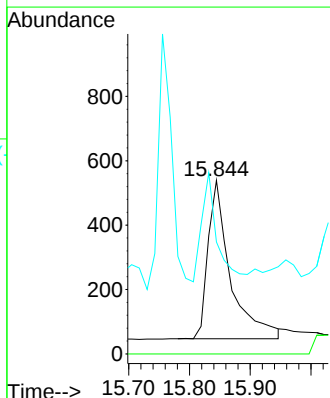
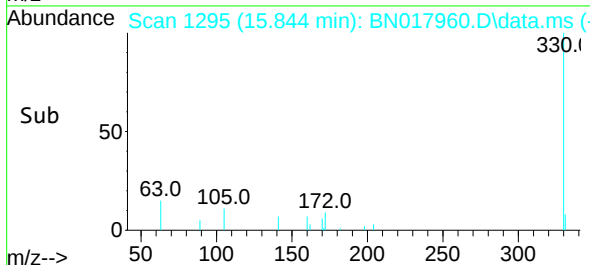
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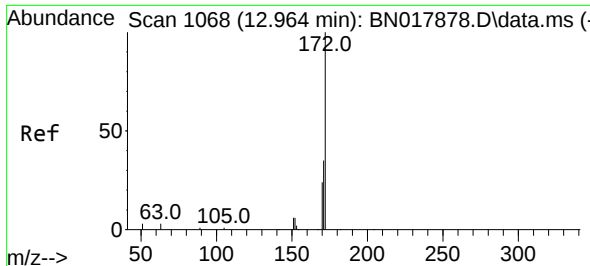


#14
2,4,6-Tribromophenol
Concen: 0.361 ng
RT: 15.844 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BN017960.D
Acq: 13 Dec 2021 04:43



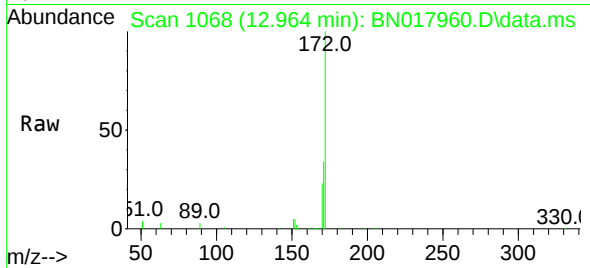
Tgt Ion:330 Resp: 1265
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 47.8 19.7 29.5#





#15
2-Fluorobiphenyl
Concen: 0.227 ng
RT: 12.964 min Scan# 1068
Delta R.T. 0.000 min
Lab File: BN017960.D
Acq: 13 Dec 2021 04:43

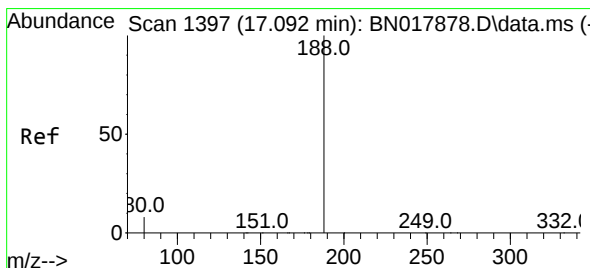
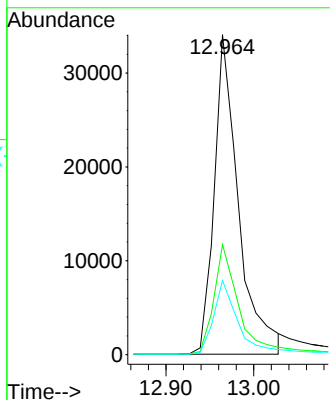
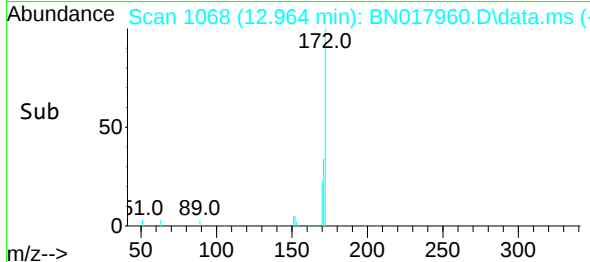
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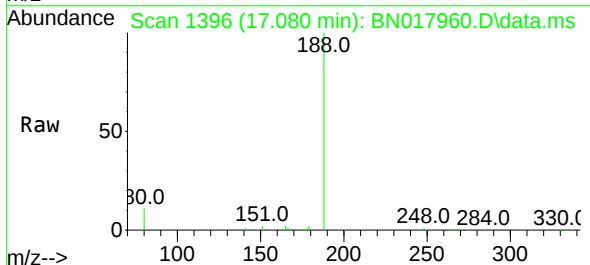
Tgt Ion:172 Resp: 6541
Ion Ratio Lower Upper
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171 34.4 28.3 42.5
170 23.2 19.1 28.7

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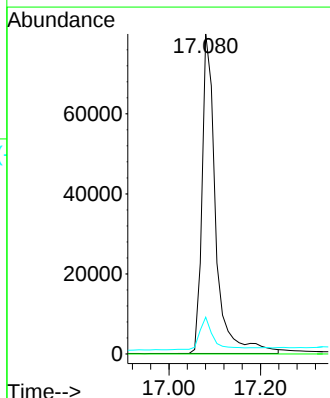
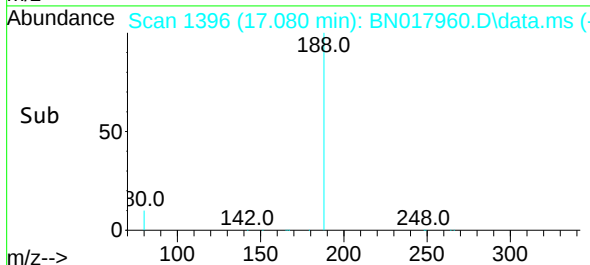
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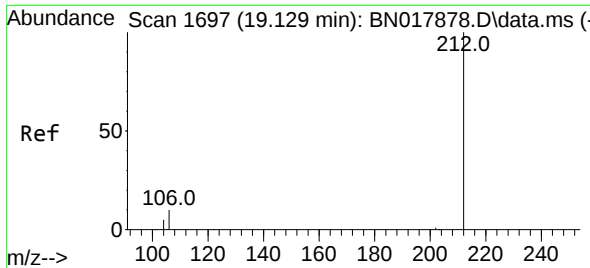


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.080 min Scan# 1396
Delta R.T. -0.012 min
Lab File: BN017960.D
Acq: 13 Dec 2021 04:43



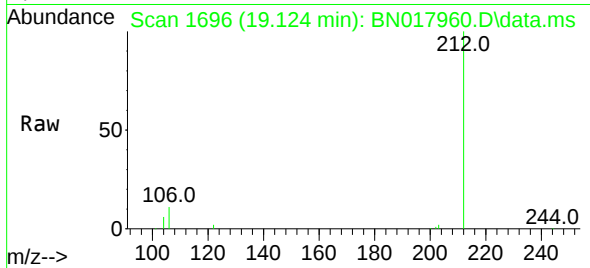
Tgt Ion:188 Resp: 165944
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.5 6.2 9.2#





#27
Fluoranthene-d10
Concen: 0.280 ng
RT: 19.124 min Scan# 1696
Delta R.T. -0.005 min
Lab File: BN017960.D
Acq: 13 Dec 2021 04:43

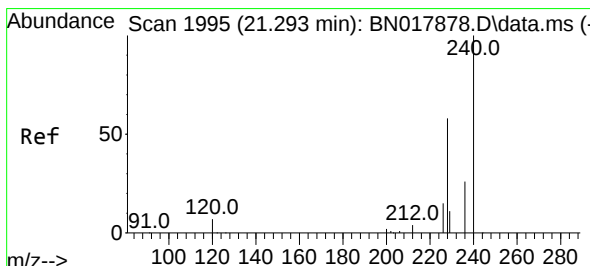
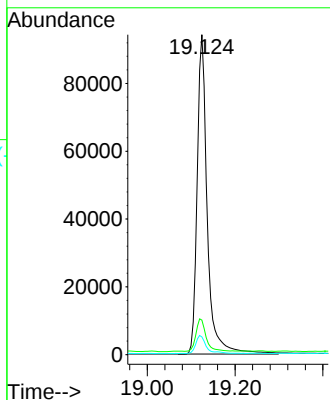
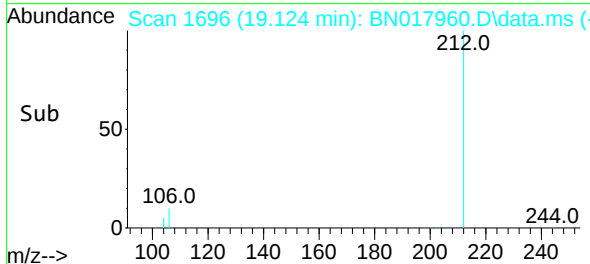
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Tgt Ion:212 Resp: 150850
Ion Ratio Lower Upper
212 100
106 10.5 8.3 12.5
104 6.0 4.6 6.8

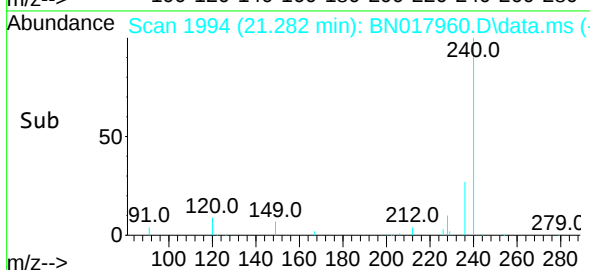
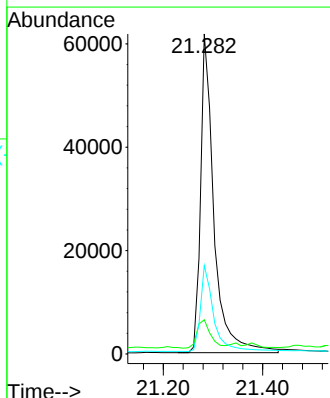
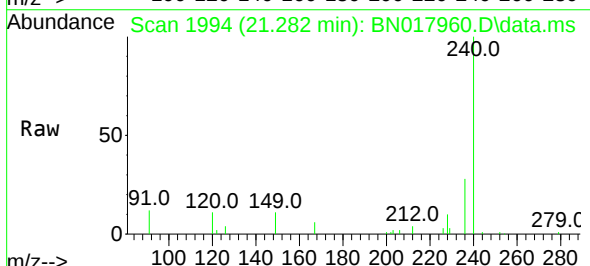
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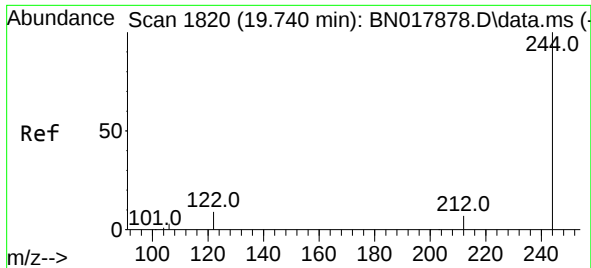
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.282 min Scan# 1994
Delta R.T. -0.011 min
Lab File: BN017960.D
Acq: 13 Dec 2021 04:43

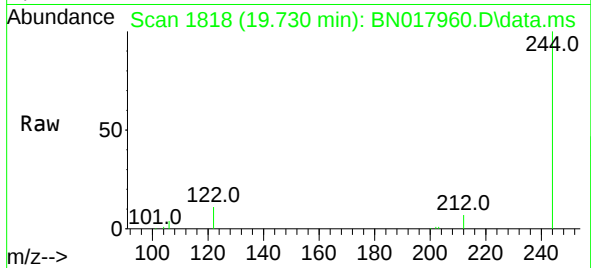
Tgt Ion:240 Resp: 115215
Ion Ratio Lower Upper
240 100
120 10.7 5.8 8.8#
236 27.7 21.0 31.6





#31
Terphenyl-d14
Concen: 0.449 ng
RT: 19.730 min Scan# 1820
Delta R.T. -0.010 min
Lab File: BN017960.D
Acq: 13 Dec 2021 04:43

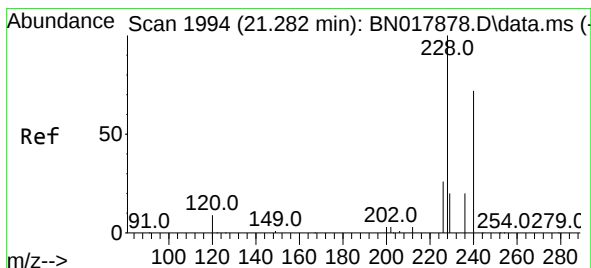
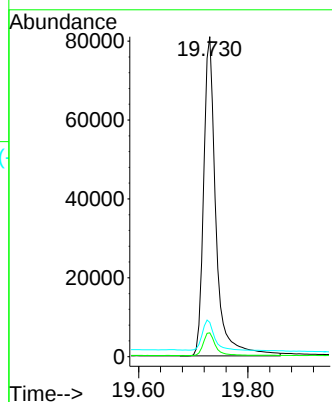
Instrument :
BNA_N
ClientSampleId :
RE126D2-20211207



Tgt Ion:244 Resp: 127419
Ion Ratio Lower Upper
244 100
212 7.5 6.2 9.2
122 10.7 7.5 11.3

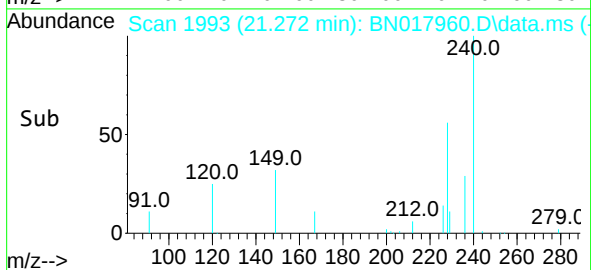
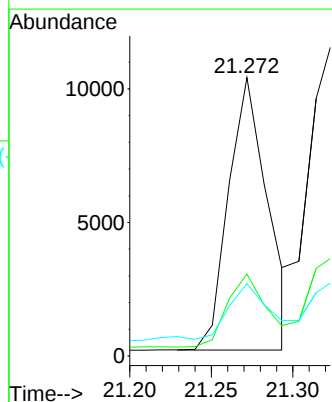
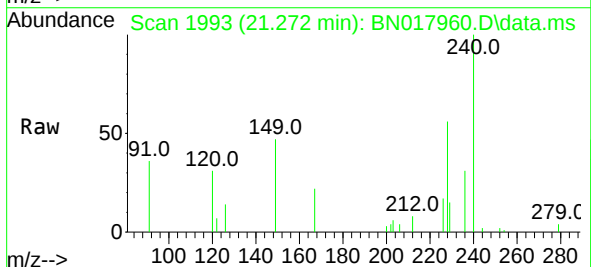
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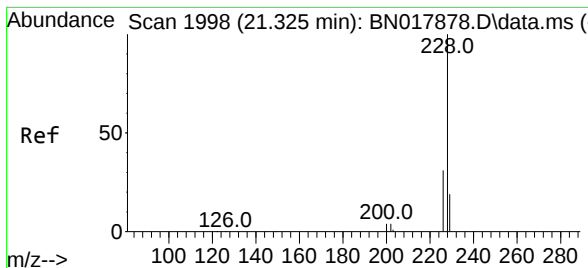
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#32
Benzo(a)anthracene
Concen: 0.096 ng m
RT: 21.272 min Scan# 1993
Delta R.T. -0.010 min
Lab File: BN017960.D
Acq: 13 Dec 2021 04:43

Tgt Ion:228 Resp: 17077
Ion Ratio Lower Upper
228 100
226 29.5 21.0 31.4
229 26.0 15.8 23.8#





#33

Chrysene

Concen: 0.061 ng

RT: 21.325 min Scan# 1998

Delta R.T. -0.000 min

Lab File: BN017960.D

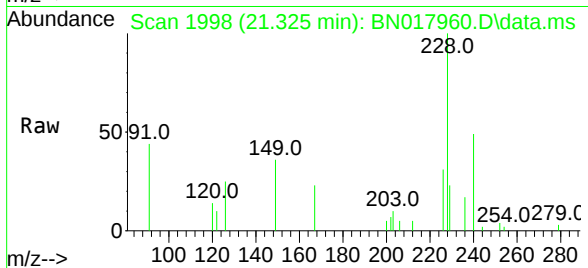
Acq: 13 Dec 2021 04:43

Instrument :

BNA_N

ClientSampleId :

RE126D2-20211207



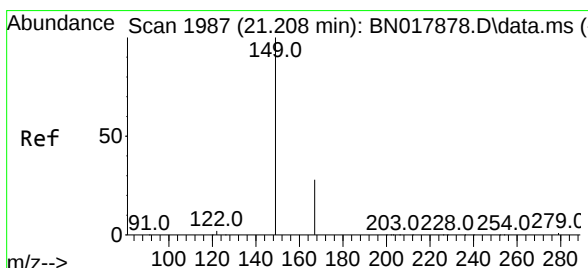
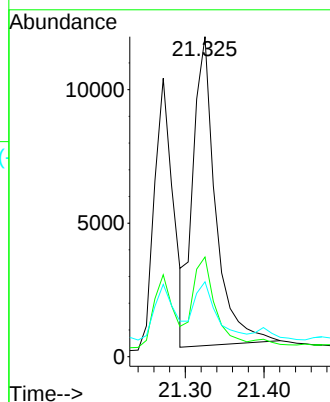
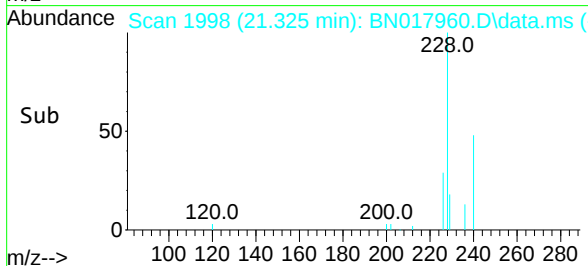
Tgt Ion:228 Resp: 2306

Ion	Ratio	Lower	Upper
228	100		
226	31.2	23.8	35.8
229	23.4	15.6	23.4

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



#34

Bis(2-ethylhexyl)phthalate

Concen: 6.913 ng

RT: 21.208 min Scan# 1987

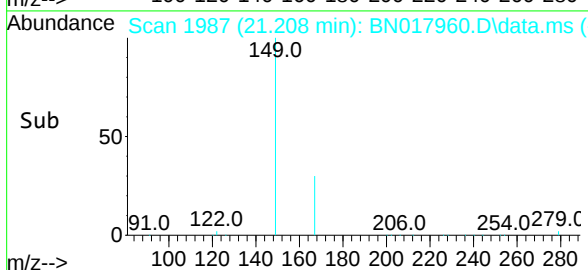
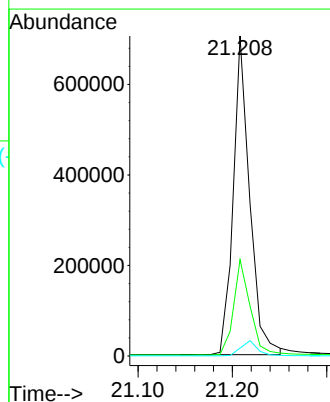
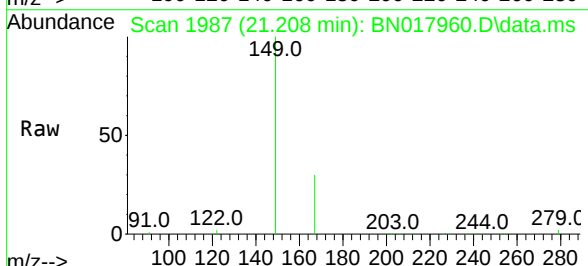
Delta R.T. 0.000 min

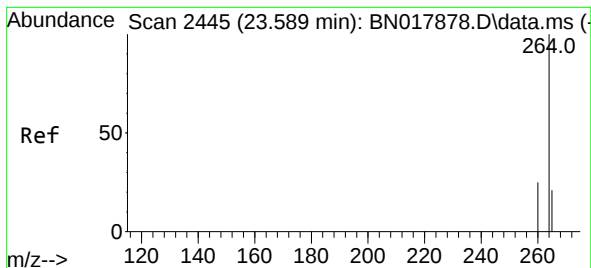
Lab File: BN017960.D

Acq: 13 Dec 2021 04:43

Tgt Ion:149 Resp: 855135

Ion	Ratio	Lower	Upper
149	100		
167	30.2	23.4	35.0
279	4.8	3.6	5.4





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.582 min Scan# 2445

Delta R.T. -0.007 min

Lab File: BN017960.D

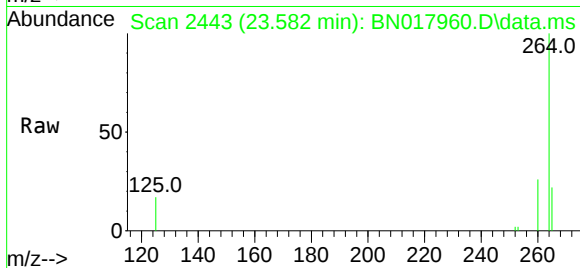
Acq: 13 Dec 2021 04:43

Instrument :

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ClientSampleId :

RE126D2-20211207



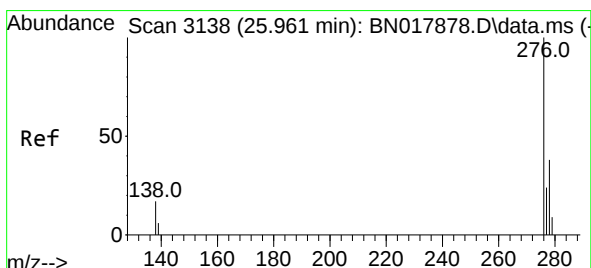
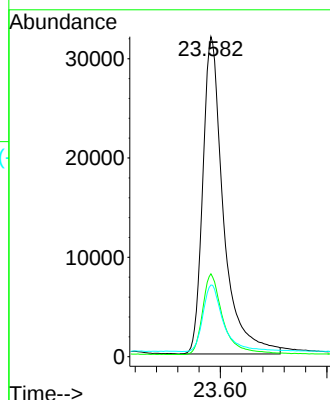
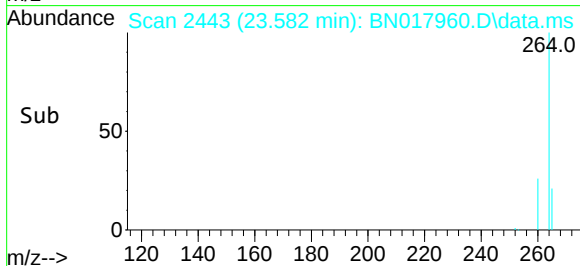
Tgt Ion:264 Resp: 86404

Ion	Ratio	Lower	Upper
264	100		
260	25.9	20.2	30.4
265	22.4	18.2	27.4

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



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.126 ng m

RT: 25.965 min Scan# 3139

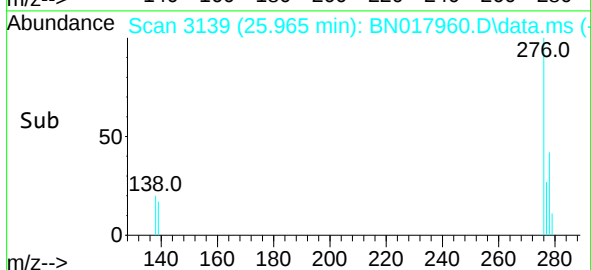
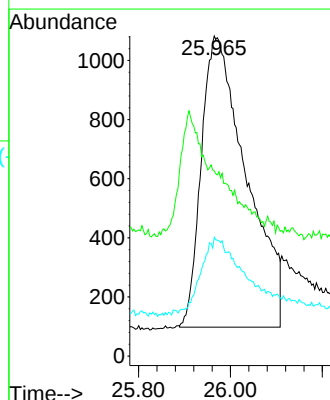
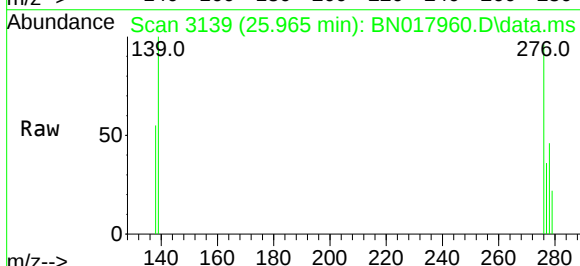
Delta R.T. 0.004 min

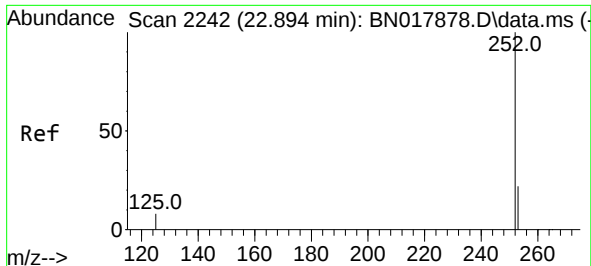
Lab File: BN017960.D

Acq: 13 Dec 2021 04:43

Tgt Ion:276 Resp: 6732

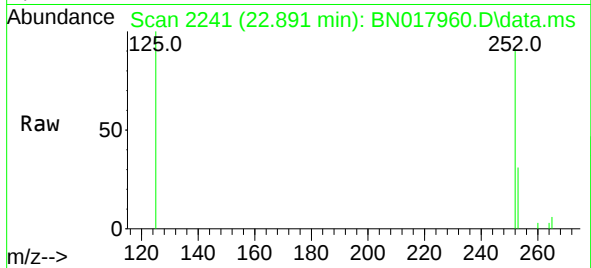
Ion	Ratio	Lower	Upper
276	100		
138	0.0	15.2	22.8#
277	21.6	19.8	29.6





#37
Benzo(b)fluoranthene
Concen: 0.053 ng
RT: 22.891 min Scan# 2241
Delta R.T. -0.003 min
Lab File: BN017960.D
Acq: 13 Dec 2021 04:43

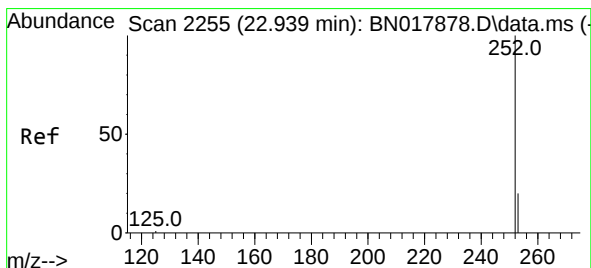
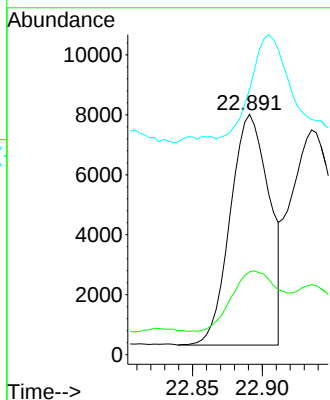
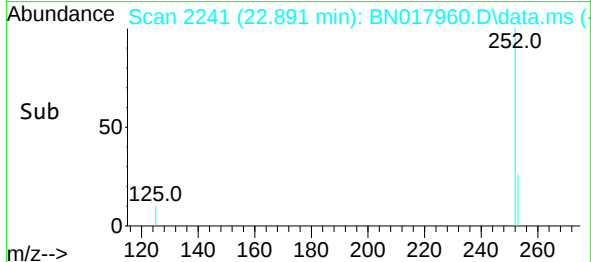
Instrument :
BNA_N
ClientSampleId :
RE126D2-20211207



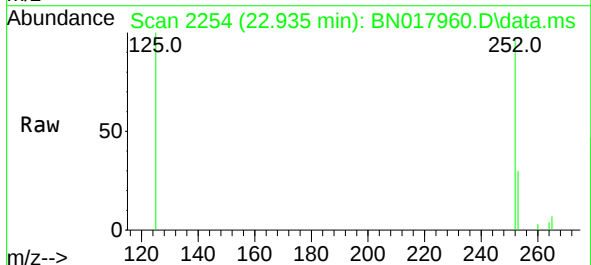
Tgt Ion:252 Resp: 15010
Ion Ratio Lower Upper
252 100
253 34.5 17.9 26.9#
125 110.4 6.8 10.2#

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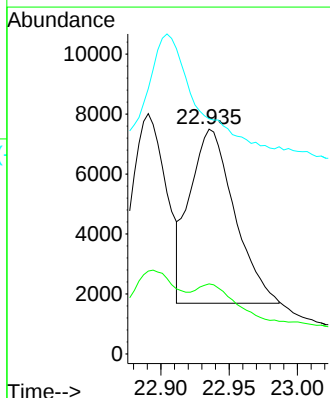
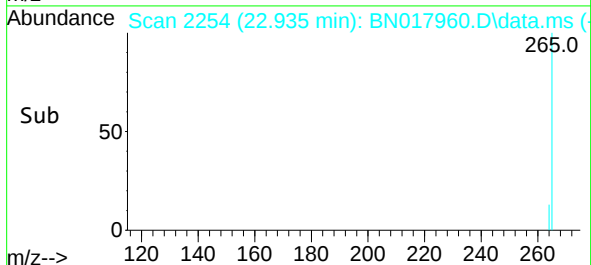
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021

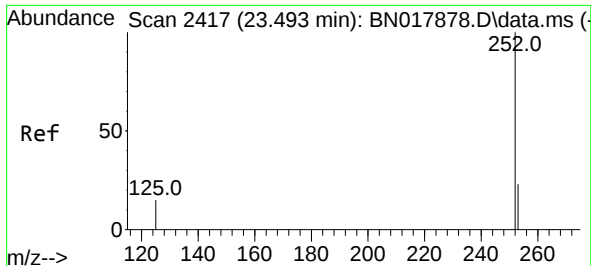


#38
Benzo(k)fluoranthene
Concen: 0.047 ng m
RT: 22.935 min Scan# 2254
Delta R.T. -0.003 min
Lab File: BN017960.D
Acq: 13 Dec 2021 04:43



Tgt Ion:252 Resp: 13171
Ion Ratio Lower Upper
252 100
253 31.2 17.8 26.6#
125 104.6 6.1 9.1#





#39

Benzo(a)pyrene

Concen: 0.054 ng

RT: 23.486 min Scan# 2417

Delta R.T. -0.007 min

Lab File: BN017960.D

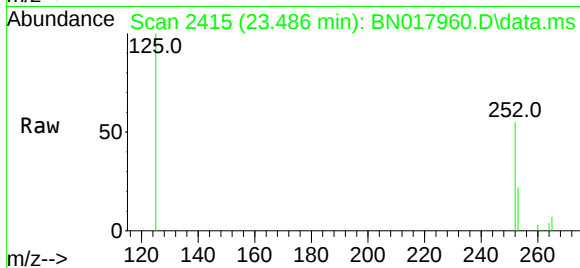
Acq: 13 Dec 2021 04:43

Instrument :

BNA_N

ClientSampleId :

RE126D2-20211207

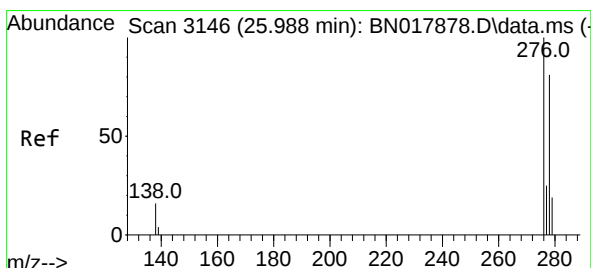
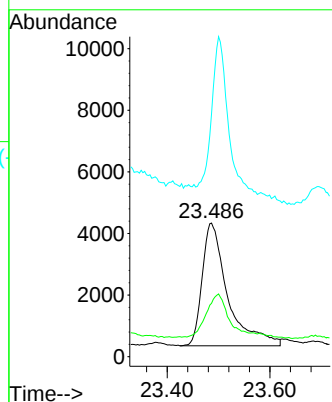


Tgt Ion:	252	Resp:	1376
Ion Ratio	Lower	Upper	
252	100		
253	40.0	18.8	28.2
125	182.0	12.2	18.2

Manual Integrations

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



#40

Dibenzo(a,h)anthracene

Concen: 0.137 ng m

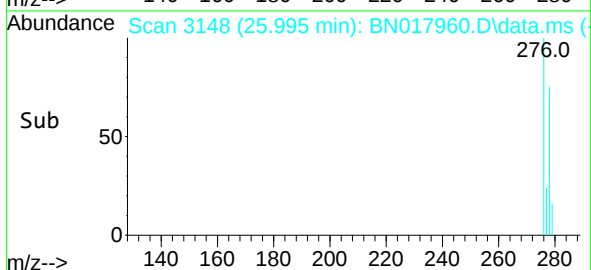
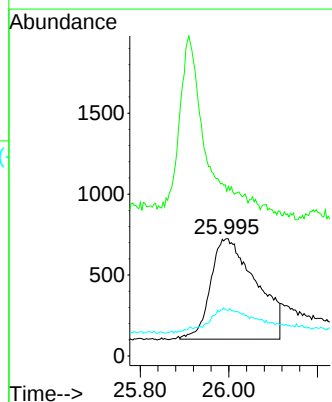
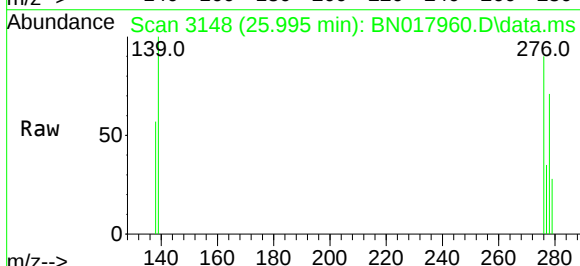
RT: 25.995 min Scan# 3148

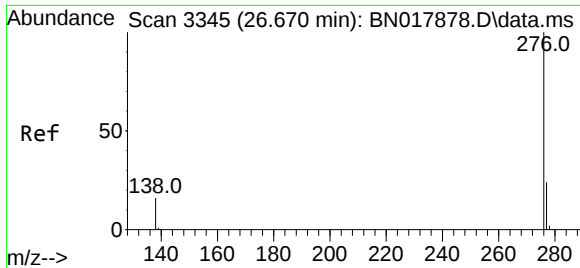
Delta R.T. 0.007 min

Lab File: BN017960.D

Acq: 13 Dec 2021 04:43

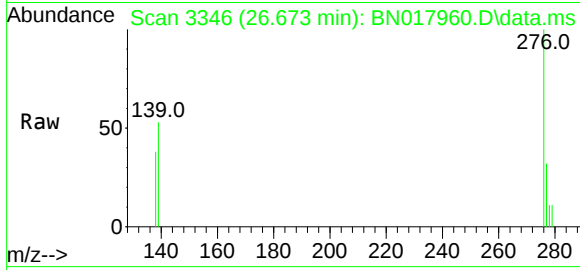
Tgt Ion:	278	Resp:	4427
Ion Ratio	Lower	Upper	
278	100		
139	140.3	12.0	18.0#
279	39.2	20.8	31.2#





#41
 Benzo(g,h,i)perylene
 Concen: 0.054 ng
 RT: 26.673 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: BN017960.D
 Acq: 13 Dec 2021 04:43

Instrument :
 BNA_N
 ClientSampleId :
 RE126D2-20211207



Tgt Ion: 276 Resp: 741

Ion	Ratio	Lower	Upper
276	100		
277	32.3	19.6	29.4
138	37.7	13.8	20.8

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

