

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121121\
 Data File : BN017956.D
 Acq On : 13 Dec 2021 02:18
 Operator : CG/JU
 Sample : M4988-11
 Misc :
 ALS Vial : 82 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE122D1-20211207

Manual Integrations
 APPROVED

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

Quant Time: Dec 13 04:32:49 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	7.715	152	31397	0.400	ng	0.00
7) Naphthalene-d8	10.494	136	124589	0.400	ng	0.00
13) Acenaphthene-d10	14.335	164	85029	0.400	ng	0.00
19) Phenanthrene-d10	17.080	188	164080	0.400	ng	#-0.01
29) Chrysene-d12	21.282	240	119918	0.400	ng	#-0.01
35) Perylene-d12	23.582	264	90733	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.327	112	7526	0.116	ng	0.00
5) Phenol-d6	6.903	99	4161	0.065	ng	0.00
8) Nitrobenzene-d5	8.846	82	21822	0.268	ng	-0.01
11) 2-Methylnaphthalene-d10	12.085	152	53326	0.243	ng	0.00
14) 2,4,6-Tribromophenol	15.844	330	2466	0.386	ng	0.00
15) 2-Fluorobiphenyl	12.964	172	96743	0.323	ng	0.00
27) Fluoranthene-d10	19.124	212	164064	0.308	ng	0.00
31) Terphenyl-d14	19.730	244	154069	0.521	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.270	88	33733m	3.540	ng	
9) Naphthalene	10.545	128	8652	0.028	ng	# 95
32) Benzo(a)anthracene	21.272	228	17888	0.096	ng	# 90
33) Chrysene	21.325	228	23257	0.059	ng	# 93
34) Bis(2-ethylhexyl)phtha...	21.208	149	986197	7.660	ng	98
36) Indeno(1,2,3-cd)pyrene	25.961	276	7222m	0.127	ng	
37) Benzo(b)fluoranthene	22.891	252	15419	0.051	ng	# 1
38) Benzo(k)fluoranthene	22.935	252	14042m	0.048	ng	
39) Benzo(a)pyrene	23.486	252	14729	0.055	ng	# 1
40) Dibenzo(a,h)anthracene	25.992	278	4454m	0.135	ng	
41) Benzo(g,h,i)perylene	26.673	276	7139	0.050	ng	# 68

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

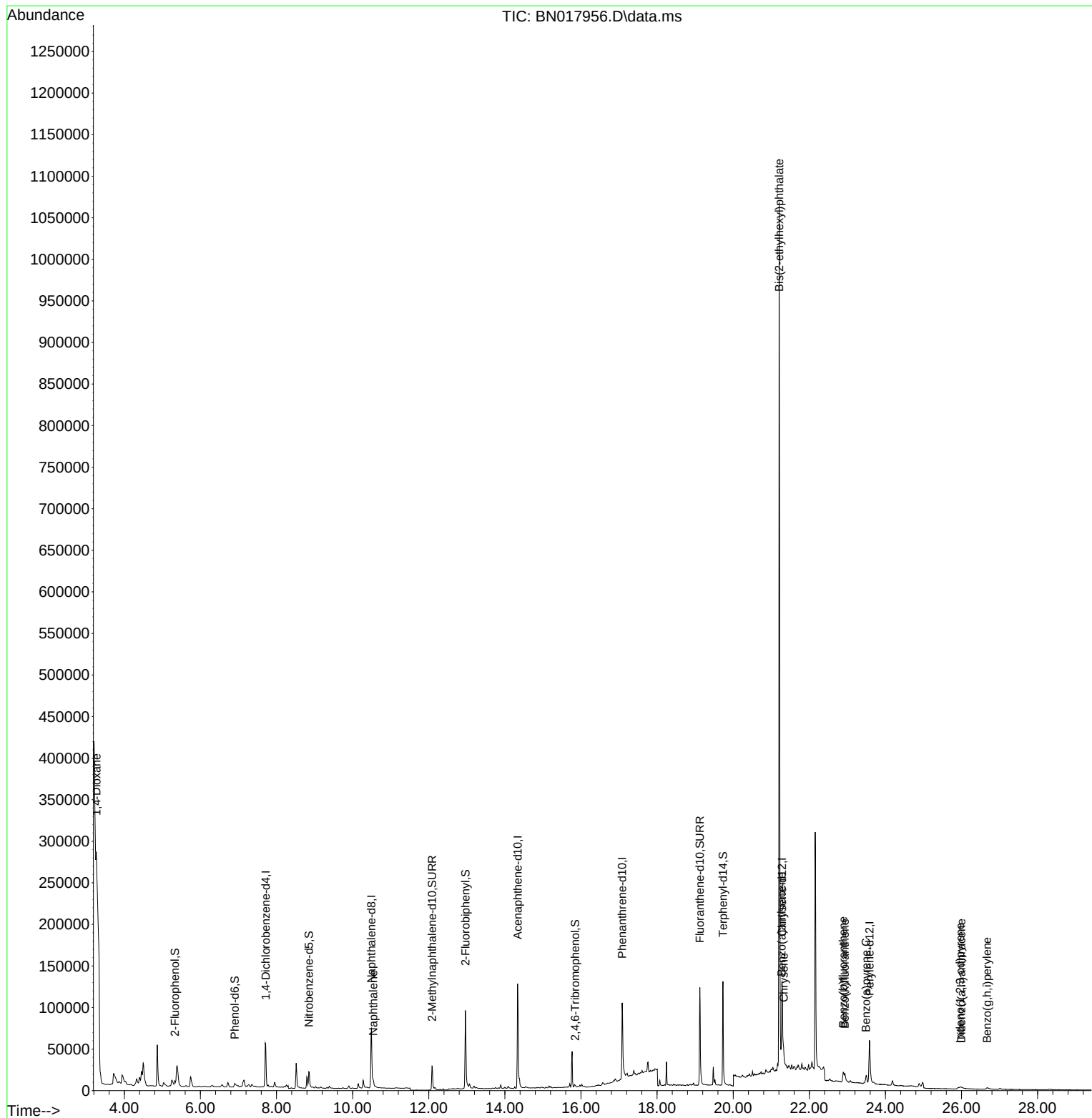
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121121\
Data File : BN017956.D
Acq On : 13 Dec 2021 02:18
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Sample : M4988-11
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ALS Vial : 82 Sample Multiplier: 1

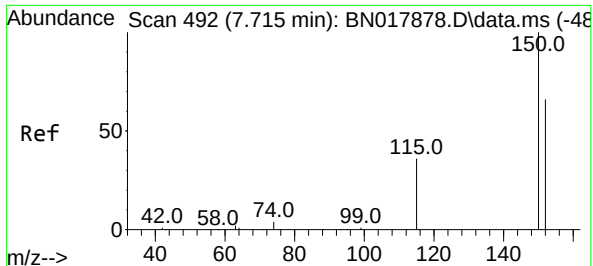
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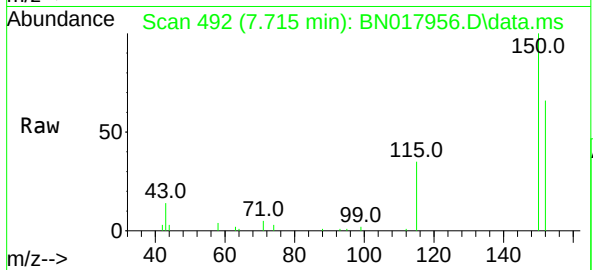
Quant Time: Dec 13 04:32:49 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN121121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 11 00:01:30 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.715 min Scan# 492
Delta R.T. -0.000 min
Lab File: BN017956.D
Acq: 13 Dec 2021 02:18

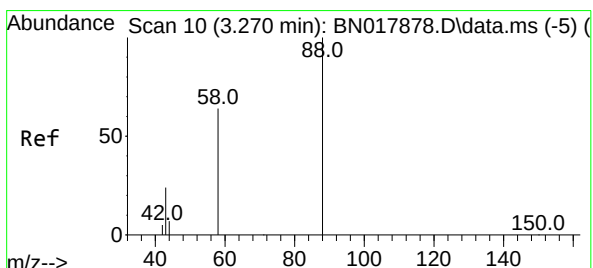
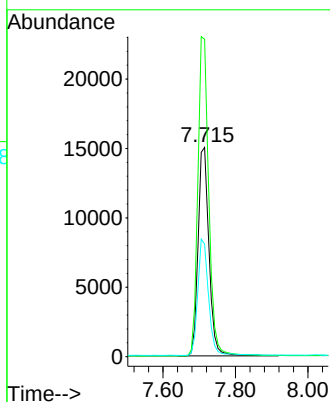
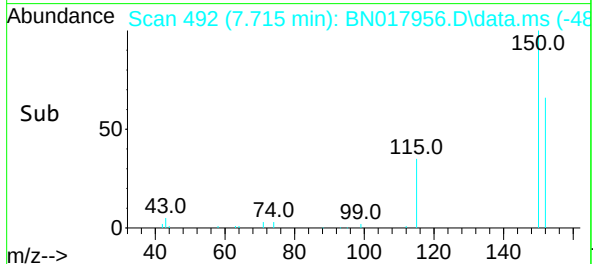
Instrument :
BNA_N
ClientSampleId :
RE122D1-20211207



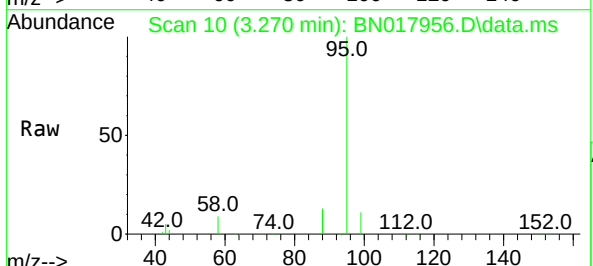
Tgt Ion: 152 Resp: 3139
Ion Ratio Lower Upper
152 100
150 151.7 121.9 182.9
115 53.7 44.1 66.1

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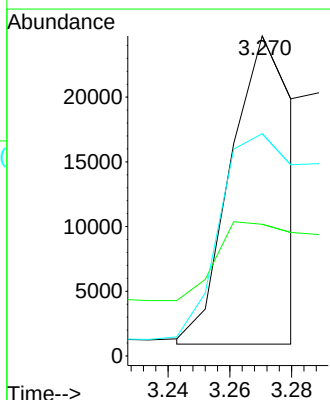
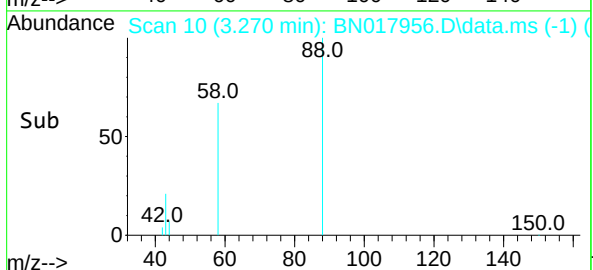
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021

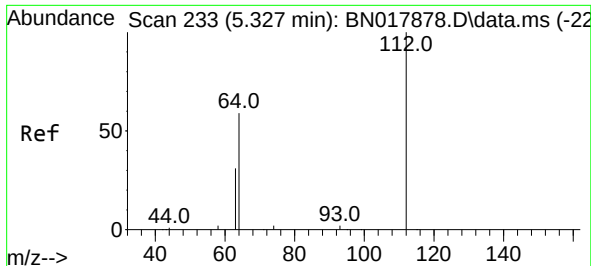


#2
1,4-Dioxane
Concen: 3.540 ng m
RT: 3.270 min Scan# 10
Delta R.T. 0.000 min
Lab File: BN017956.D
Acq: 13 Dec 2021 02:18



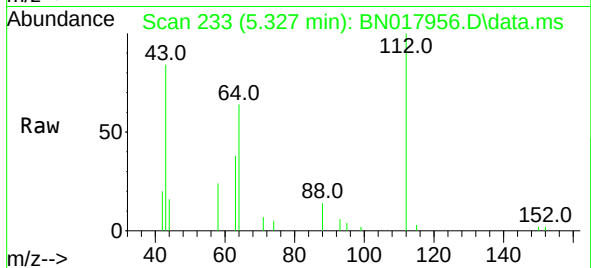
Tgt Ion: 88 Resp: 33733
Ion Ratio Lower Upper
88 100
43 45.9 28.0 42.0#
58 119.2 65.4 98.0#





#4
2-Fluorophenol
Concen: 0.116 ng
RT: 5.327 min Scan# 211
Delta R.T. 0.000 min
Lab File: BN017956.D
Acq: 13 Dec 2021 02:18

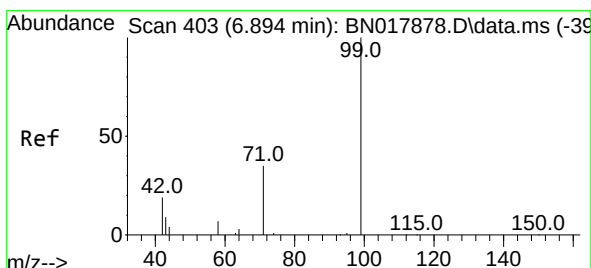
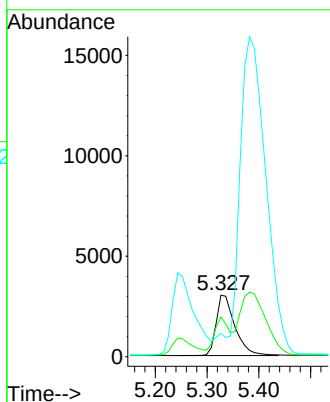
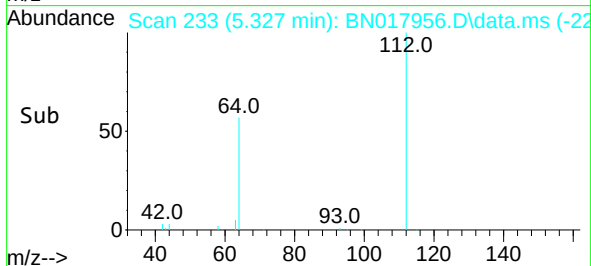
Instrument :
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Tgt Ion: 112 Resp: 7520
Ion Ratio Lower Upper
112 100
64 39.0 49.0 73.4#
63 0.0 26.2 39.2#

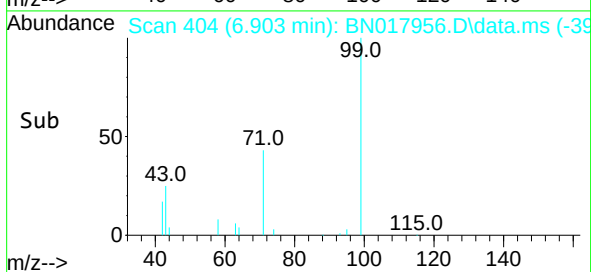
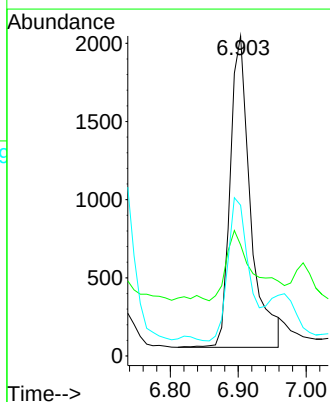
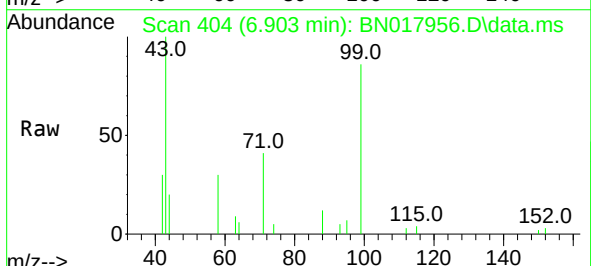
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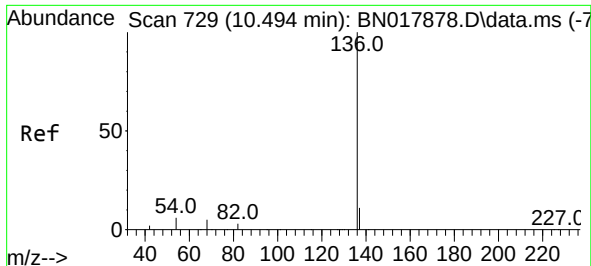
Reviewed By : Christian Giraldo 12/13/2021
Supervised By : Jagrut Upadhyay 12/13/2021



#5
Phenol-d6
Concen: 0.065 ng
RT: 6.903 min Scan# 404
Delta R.T. 0.009 min
Lab File: BN017956.D
Acq: 13 Dec 2021 02:18

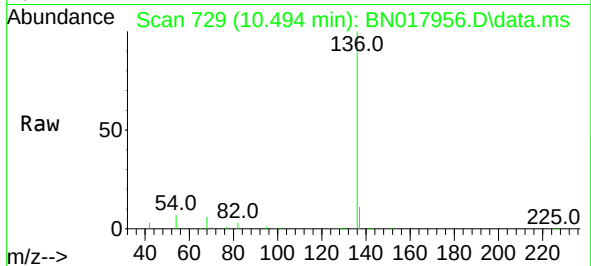
Tgt Ion: 99 Resp: 4161
Ion Ratio Lower Upper
99 100
42 29.8 17.0 25.4#
71 46.8 28.0 42.0#





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.494 min Scan# 729
Delta R.T. 0.000 min
Lab File: BN017956.D
Acq: 13 Dec 2021 02:18

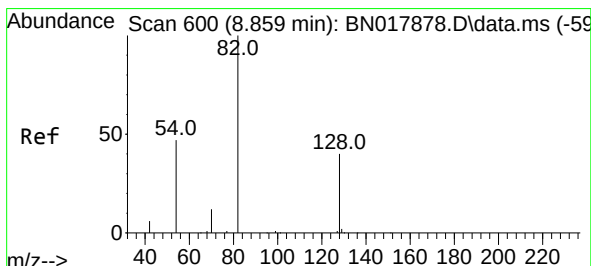
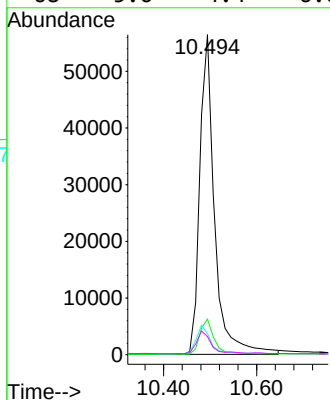
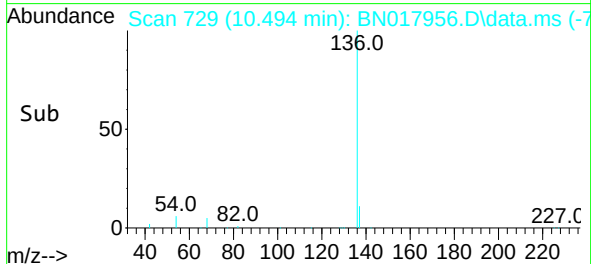
Instrument :
BNA_N
ClientSampleId :
RE122D1-20211207



Tgt Ion:136 Resp: 124589
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 6.6 5.1 7.7
68 5.6 4.4 6.6

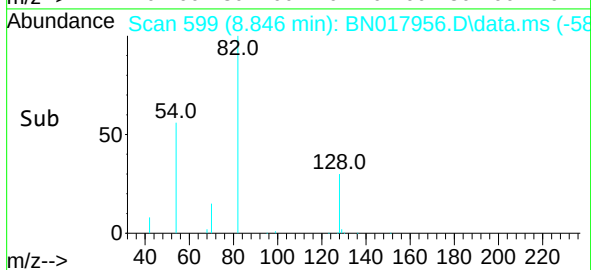
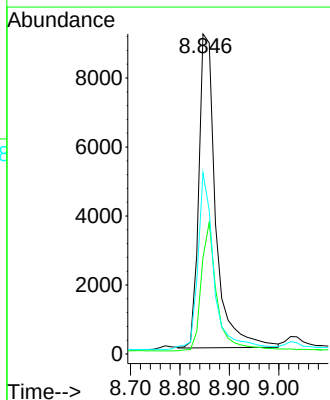
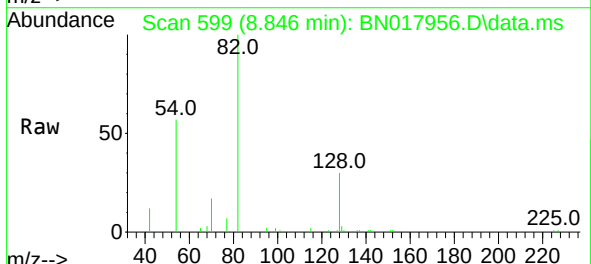
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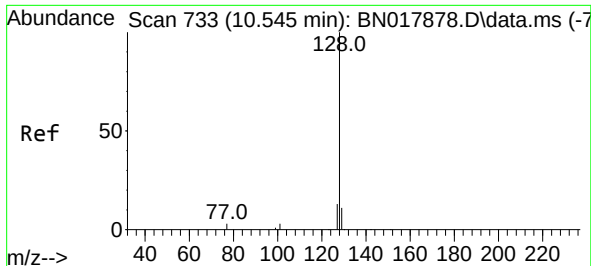
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#8
Nitrobenzene-d5
Concen: 0.268 ng
RT: 8.846 min Scan# 599
Delta R.T. -0.013 min
Lab File: BN017956.D
Acq: 13 Dec 2021 02:18

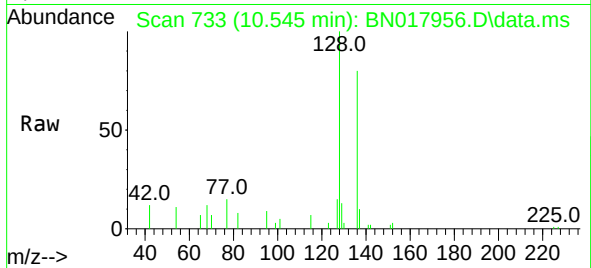
Tgt Ion: 82 Resp: 21822
Ion Ratio Lower Upper
82 100
128 30.2 32.2 48.4#
54 56.6 37.6 56.4#





#9
Naphthalene
Concen: 0.028 ng
RT: 10.545 min Scan# 71
Delta R.T. -0.000 min
Lab File: BN017956.D
Acq: 13 Dec 2021 02:18

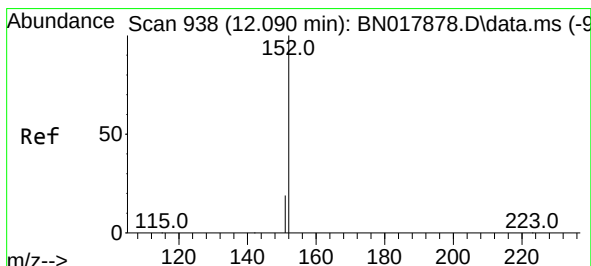
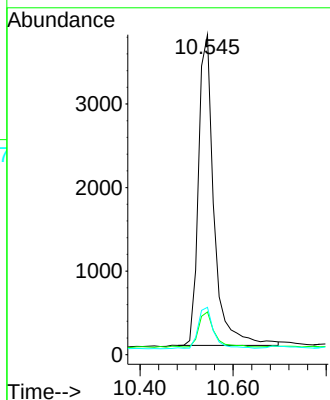
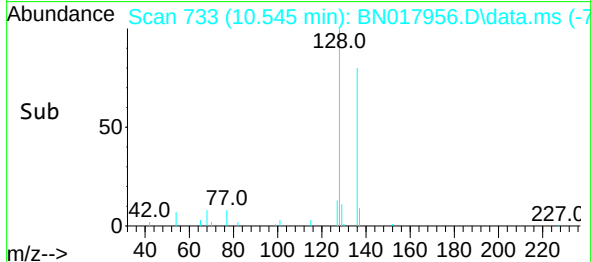
Instrument :
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Tgt Ion:128 Resp: 8652
Ion Ratio Lower Upper
128 100
129 13.4 8.8 13.2
127 14.8 10.5 15.7

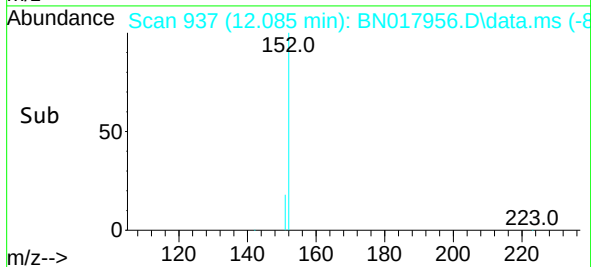
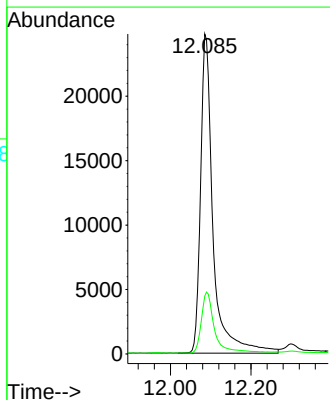
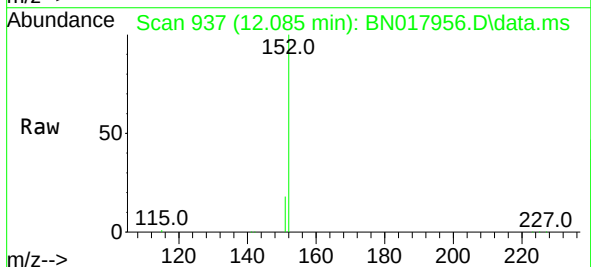
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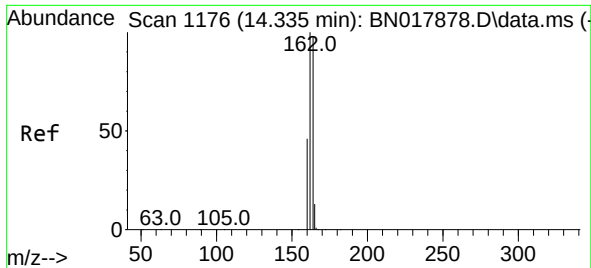
Reviewed By :Christian Giraldo 12/13/2021
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#11
2-Methylnaphthalene-d10
Concen: 0.243 ng
RT: 12.085 min Scan# 937
Delta R.T. -0.004 min
Lab File: BN017956.D
Acq: 13 Dec 2021 02:18

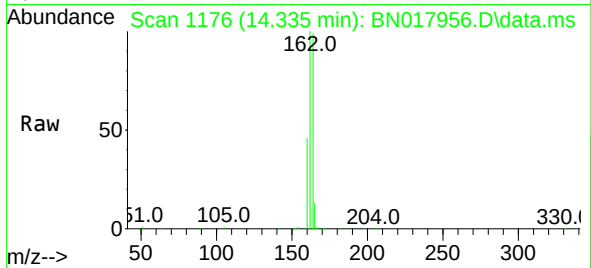
Tgt Ion:152 Resp: 53326
Ion Ratio Lower Upper
152 100
151 20.3 16.4 24.6





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.335 min Scan# 1176
Delta R.T. 0.000 min
Lab File: BN017956.D
Acq: 13 Dec 2021 02:18

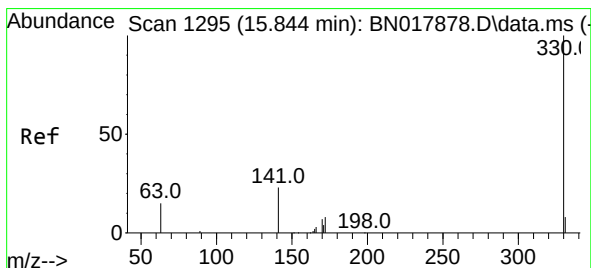
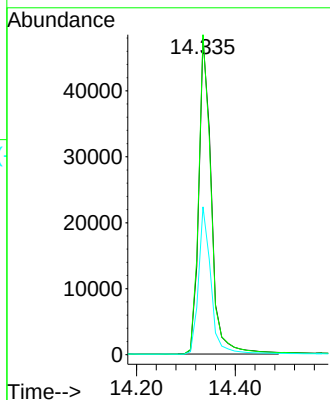
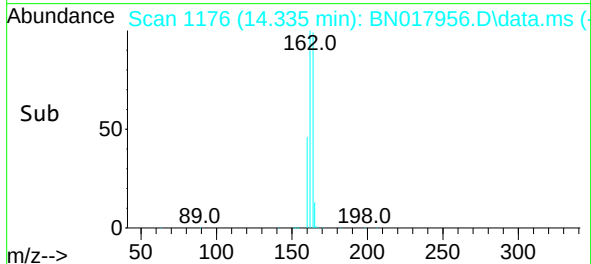
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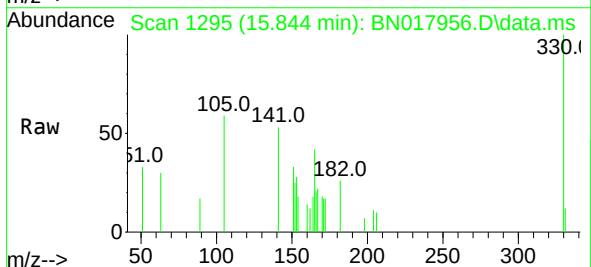
Tgt Ion:164 Resp: 85029
Ion Ratio Lower Upper
164 100
162 101.2 82.1 123.1
160 46.7 38.2 57.2

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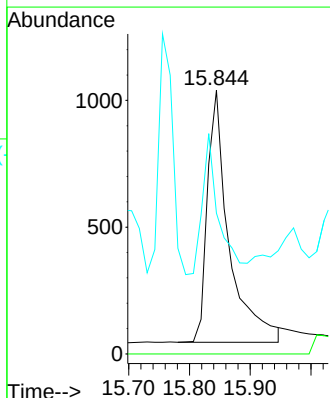
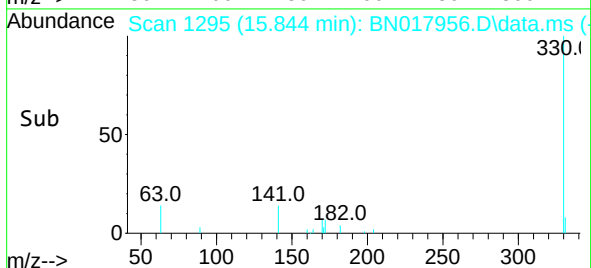
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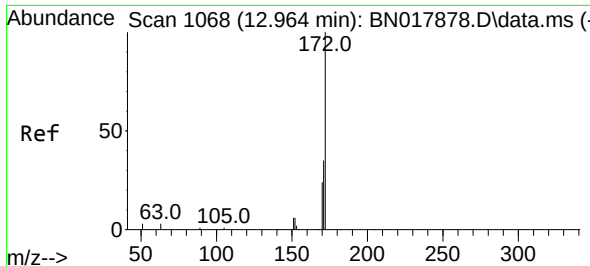


#14
2,4,6-Tribromophenol
Concen: 0.386 ng
RT: 15.844 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BN017956.D
Acq: 13 Dec 2021 02:18



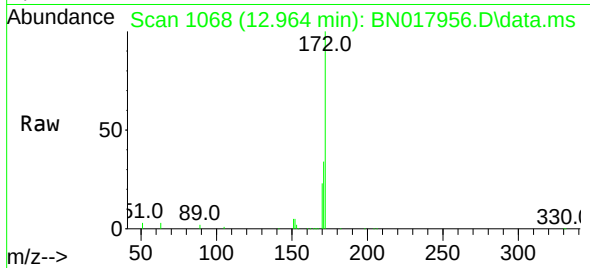
Tgt Ion:330 Resp: 2466
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 42.5 19.7 29.5





#15
2-Fluorobiphenyl
Concen: 0.323 ng
RT: 12.964 min Scan# 1068
Delta R.T. 0.000 min
Lab File: BN017956.D
Acq: 13 Dec 2021 02:18

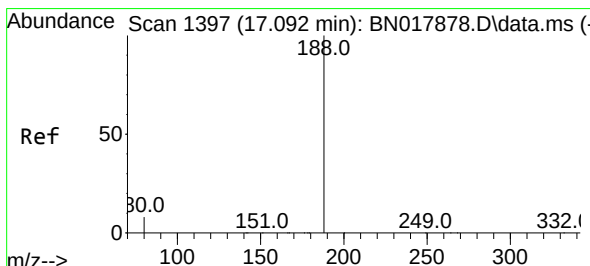
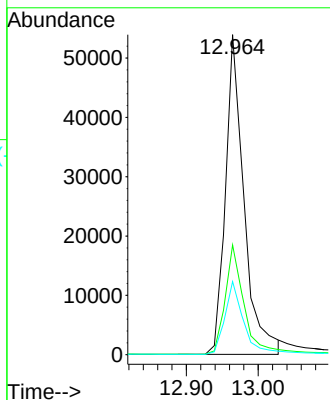
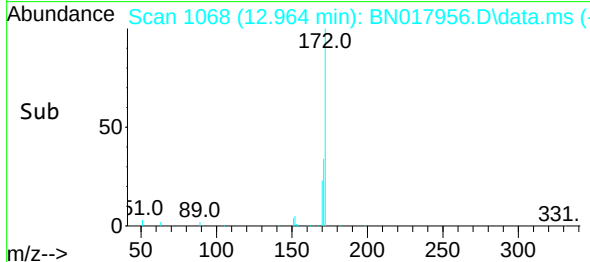
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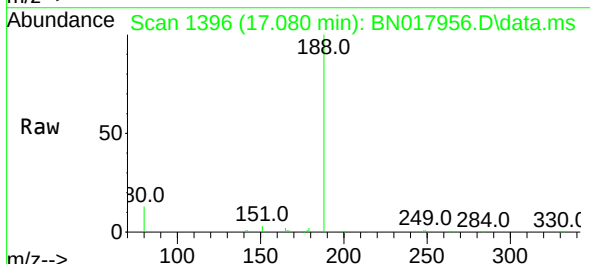
Tgt Ion:172 Resp: 9674
Ion Ratio Lower Upper
172 100
171 34.3 28.3 42.5
170 22.8 19.1 28.7

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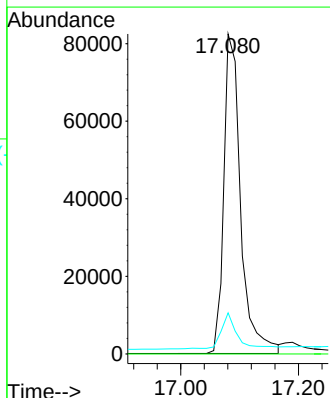
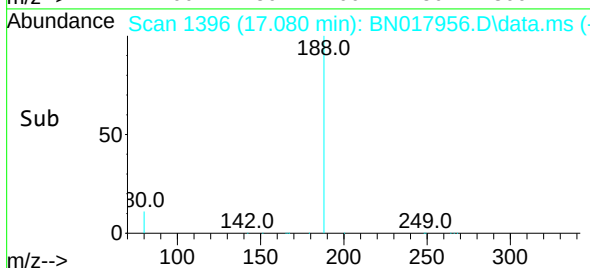
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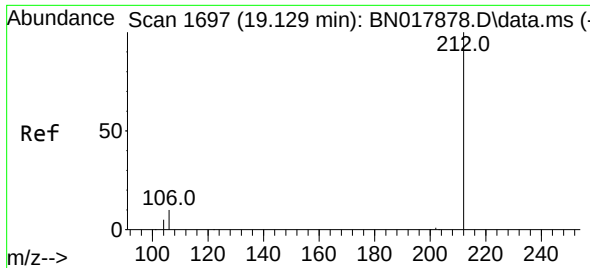


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.080 min Scan# 1396
Delta R.T. -0.012 min
Lab File: BN017956.D
Acq: 13 Dec 2021 02:18



Tgt Ion:188 Resp: 164080
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.9 6.2 9.2#





#27

Fluoranthene-d10

Concen: 0.308 ng

RT: 19.124 min Scan# 1697

Delta R.T. -0.005 min

Lab File: BN017956.D

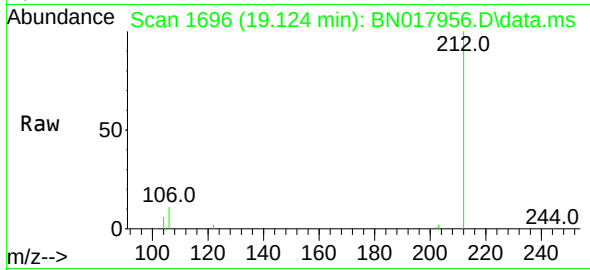
Acq: 13 Dec 2021 02:18

Instrument :

BNA_N

ClientSampleId :

RE122D1-20211207



Tgt Ion:212 Resp: 164064

Ion Ratio Lower Upper

212 100

106 10.1 8.3 12.5

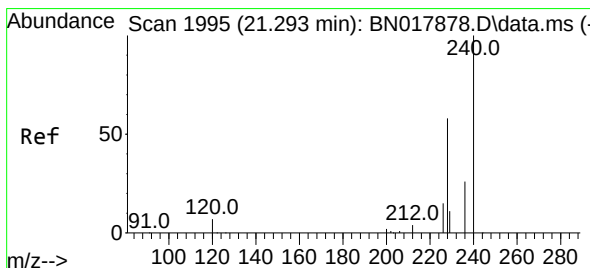
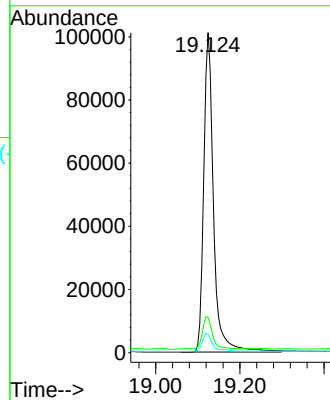
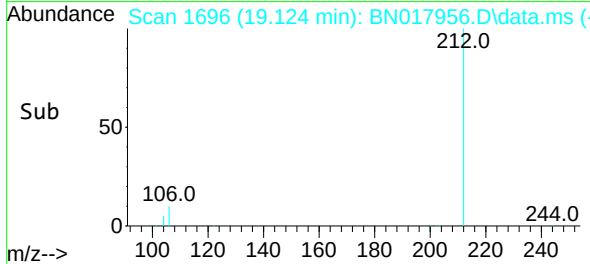
104 5.5 4.6 6.8

Manual Integrations

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#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.282 min Scan# 1994

Delta R.T. -0.011 min

Lab File: BN017956.D

Acq: 13 Dec 2021 02:18

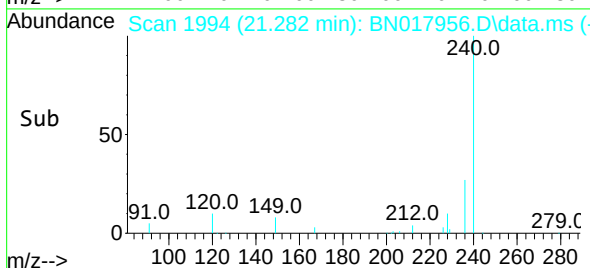
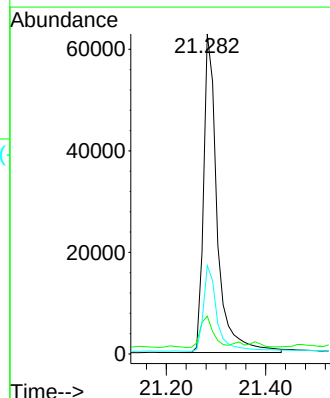
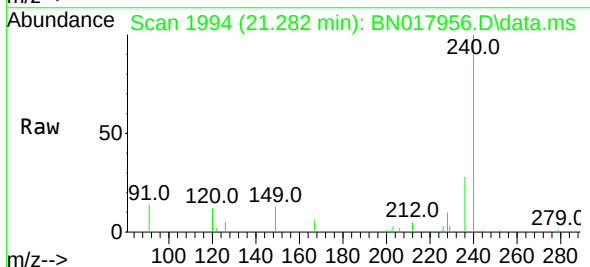
Tgt Ion:240 Resp: 119918

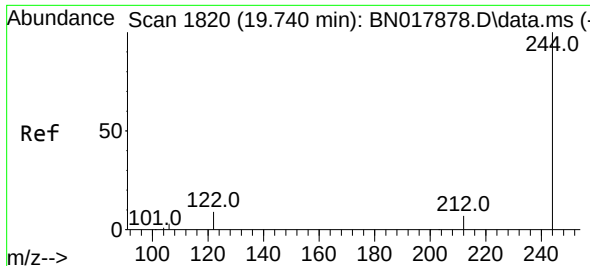
Ion Ratio Lower Upper

240 100

120 11.8 5.8 8.8

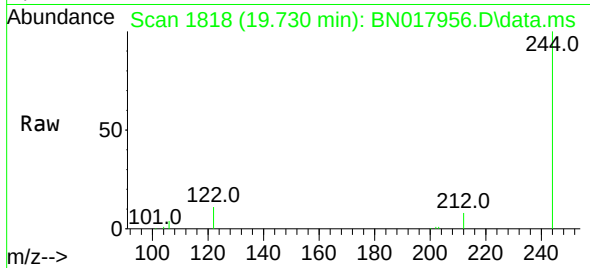
236 27.6 21.0 31.6





#31
 Terphenyl-d14
 Concen: 0.521 ng
 RT: 19.730 min Scan# 1820
 Delta R.T. -0.010 min
 Lab File: BN017956.D
 Acq: 13 Dec 2021 02:18

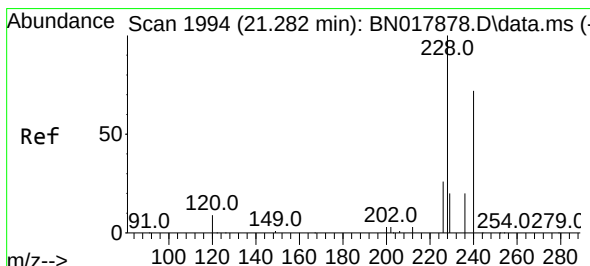
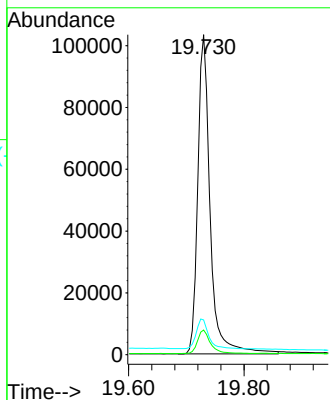
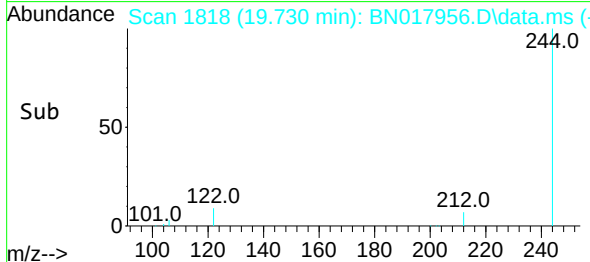
Instrument :
 BNA_N
 ClientSampleId :
 RE122D1-20211207



Tgt Ion:244 Resp: 154069
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.2 9.2
 122 10.9 7.5 11.3

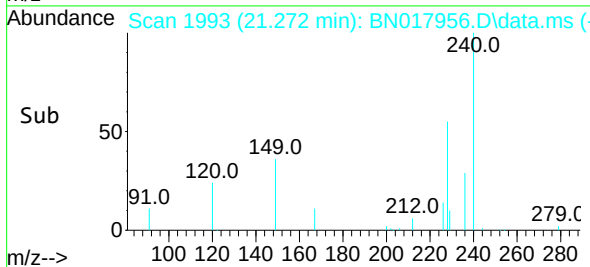
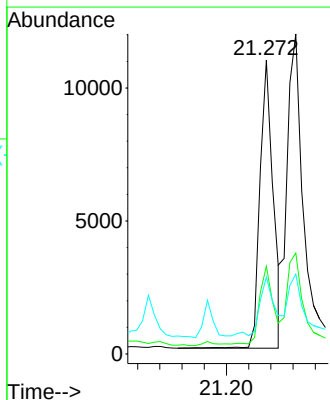
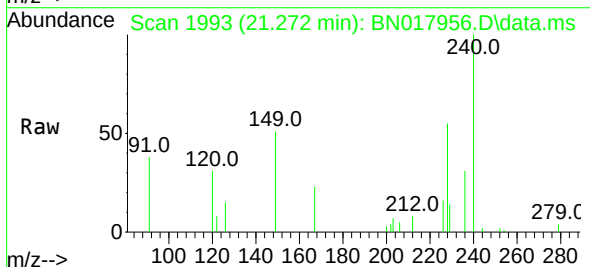
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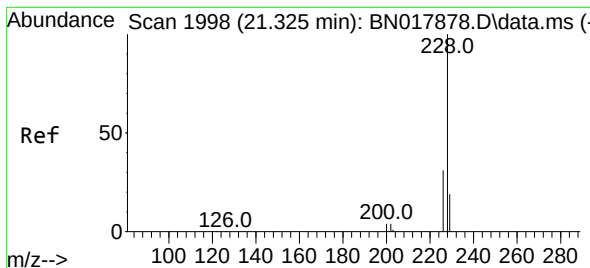
Reviewed By :Christian Giraldo 12/13/2021
 Supervised By :Jagrut Upadhyay 12/13/2021



#32
 Benzo(a)anthracene
 Concen: 0.096 ng
 RT: 21.272 min Scan# 1993
 Delta R.T. -0.010 min
 Lab File: BN017956.D
 Acq: 13 Dec 2021 02:18

Tgt Ion:228 Resp: 17888
 Ion Ratio Lower Upper
 228 100
 226 29.8 21.0 31.4
 229 26.2 15.8 23.8#





#33

Chrysene

Concen: 0.059 ng

RT: 21.325 min Scan# 1998

Delta R.T. -0.000 min

Lab File: BN017956.D

Acq: 13 Dec 2021 02:18

Instrument :

BNA_N

ClientSampleId :

RE122D1-20211207

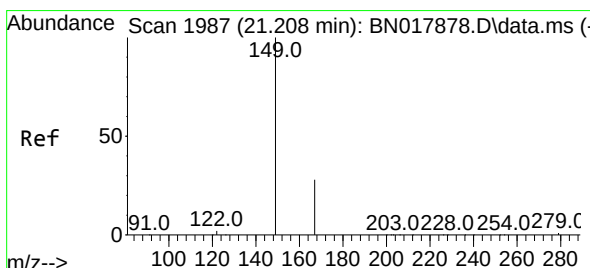
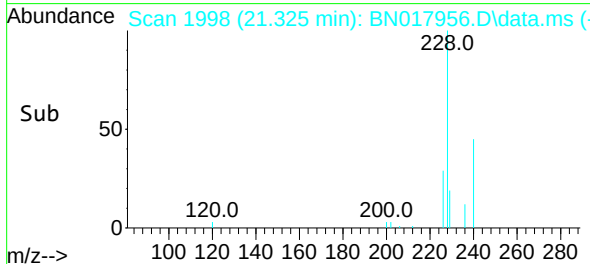
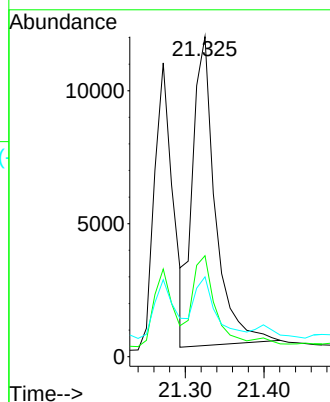
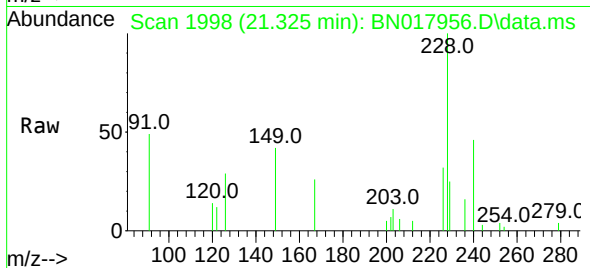
Tgt Ion:228 Resp: 2325

Ion	Ratio	Lower	Upper
228	100		
226	31.5	23.8	35.8
229	25.0	15.6	23.4

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Supervised By :Jagrut Upadhyay 12/13/2021



#34

Bis(2-ethylhexyl)phthalate

Concen: 7.660 ng

RT: 21.208 min Scan# 1987

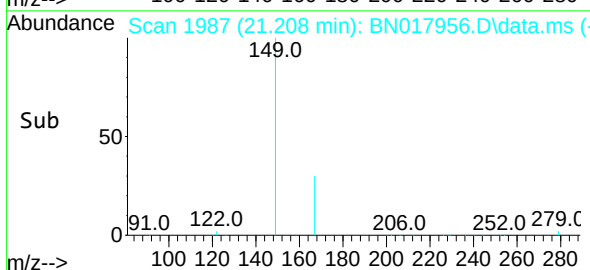
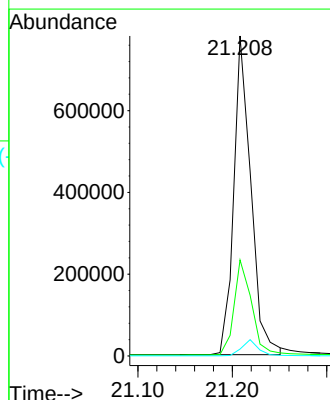
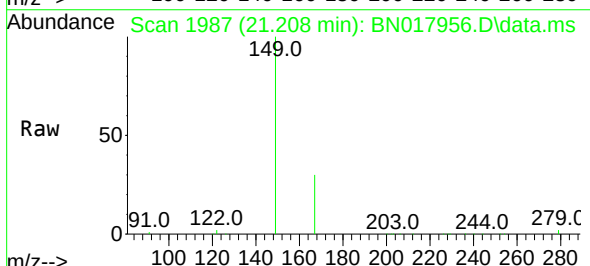
Delta R.T. 0.000 min

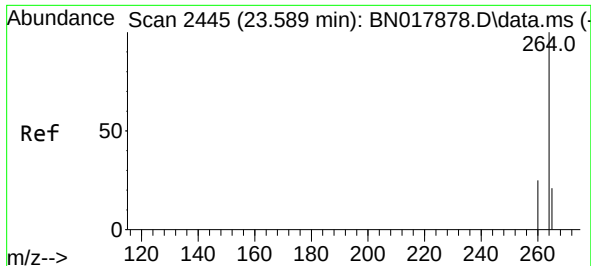
Lab File: BN017956.D

Acq: 13 Dec 2021 02:18

Tgt Ion:149 Resp: 986197

Ion	Ratio	Lower	Upper
149	100		
167	30.4	23.4	35.0
279	4.9	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: BN017956.D

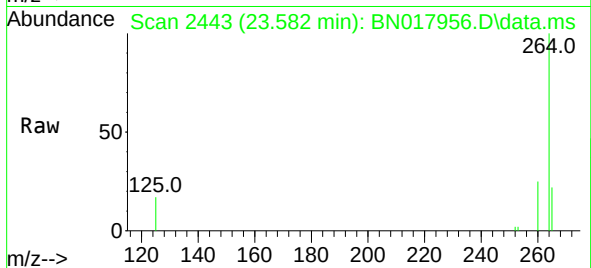
Acq: 13 Dec 2021 02:18

Instrument :

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ClientSampleId :

RE122D1-20211207



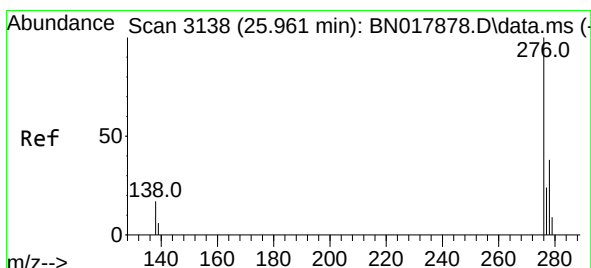
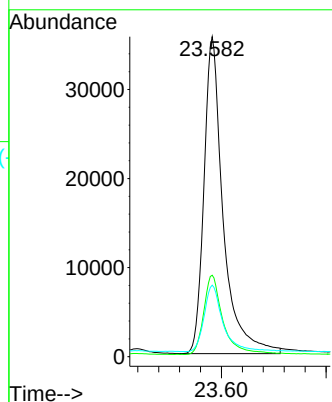
Tgt Ion: 264 Resp: 9073

Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.2	30.4
265	22.4	18.2	27.4

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Supervised By : Jagrut Upadhyay 12/13/2021



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.127 ng m

RT: 25.961 min Scan# 3138

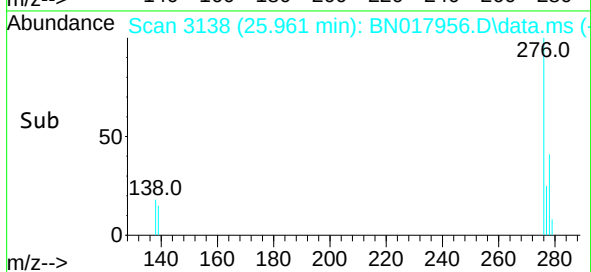
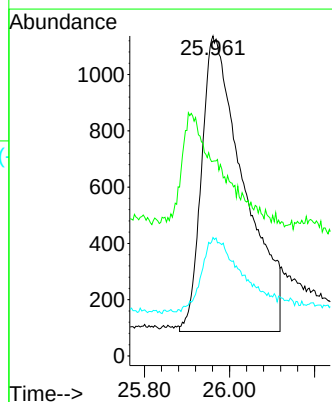
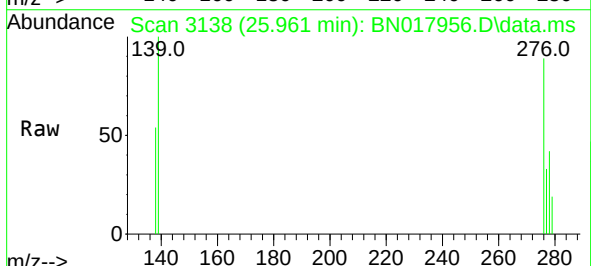
Delta R.T. 0.000 min

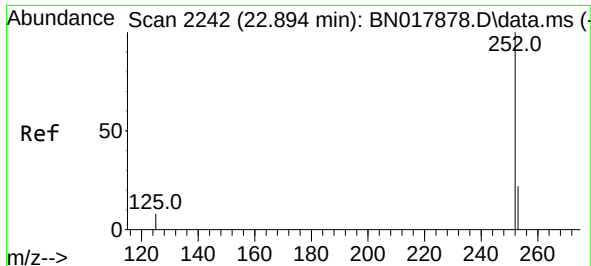
Lab File: BN017956.D

Acq: 13 Dec 2021 02:18

Tgt Ion: 276 Resp: 7222

Ion	Ratio	Lower	Upper
276	100		
138	0.0	15.2	22.8
277	21.3	19.8	29.6





#37

Benzo(b)fluoranthene

Concen: 0.051 ng

RT: 22.891 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN017956.D

Acq: 13 Dec 2021 02:18

Instrument :

BNA_N

ClientSampleId :

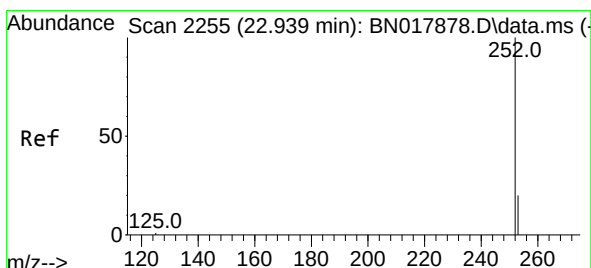
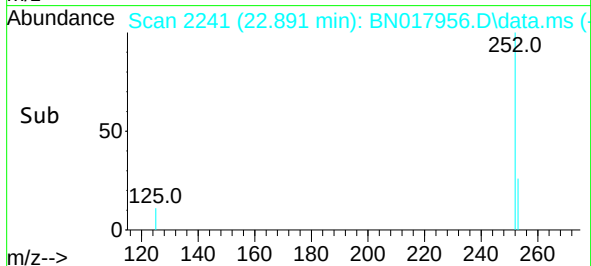
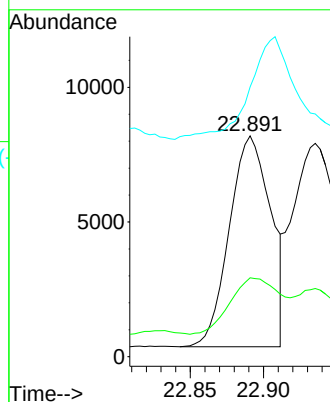
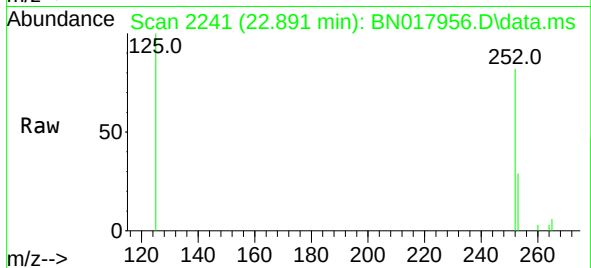
RE122D1-20211207

Tgt Ion:252 Resp: 15419
 Ion Ratio Lower Upper
 252 100
 253 35.7 17.9 26.9#
 125 122.2 6.8 10.2#

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 Supervised By :Jagrut Upadhyay 12/13/2021



#38

Benzo(k)fluoranthene

Concen: 0.048 ng m

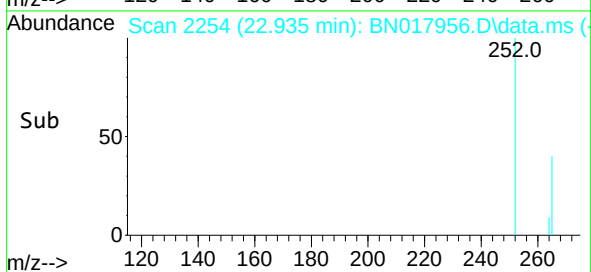
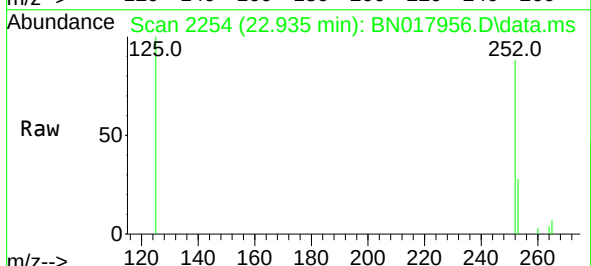
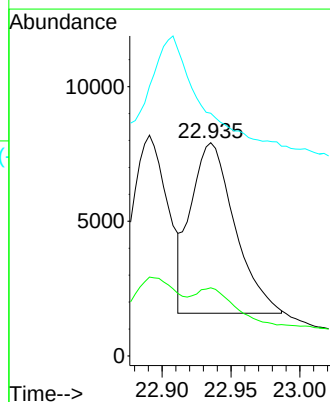
RT: 22.935 min Scan# 2254

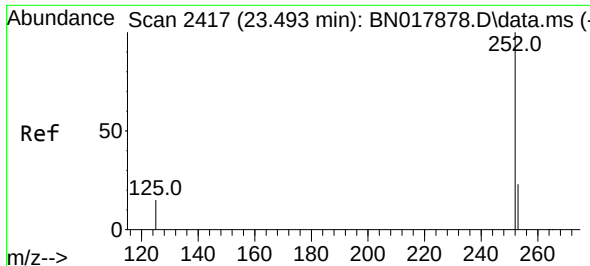
Delta R.T. -0.003 min

Lab File: BN017956.D

Acq: 13 Dec 2021 02:18

Tgt Ion:252 Resp: 14042
 Ion Ratio Lower Upper
 252 100
 253 32.0 17.8 26.6#
 125 113.9 6.1 9.1#





#39

Benzo(a)pyrene

Concen: 0.055 ng

RT: 23.486 min Scan# 2417

Delta R.T. -0.007 min

Lab File: BN017956.D

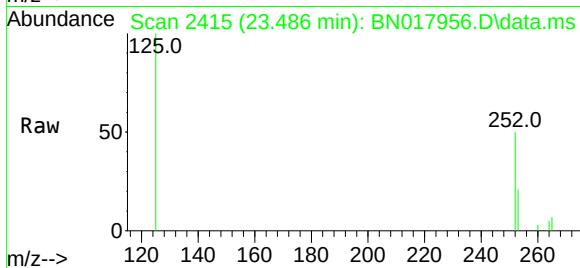
Acq: 13 Dec 2021 02:18

Instrument :

BNA_N

ClientSampleId :

RE122D1-20211207

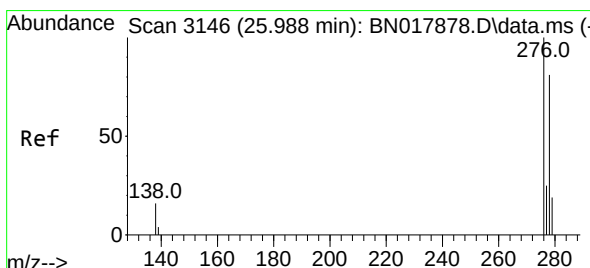
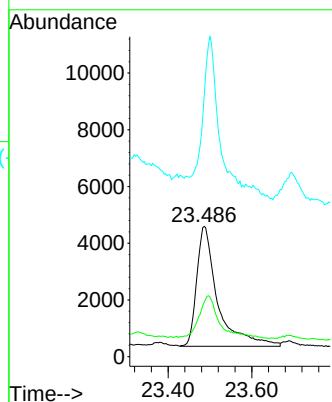


Tgt Ion:	252	Resp:	14729
Ion Ratio	Lower	Upper	
252	100		
253	41.8	18.8	28.2
125	200.4	12.2	18.2

Manual Integrations

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Supervised By :Jagrut Upadhyay 12/13/2021



#40

Dibenzo(a,h)anthracene

Concen: 0.135 ng m

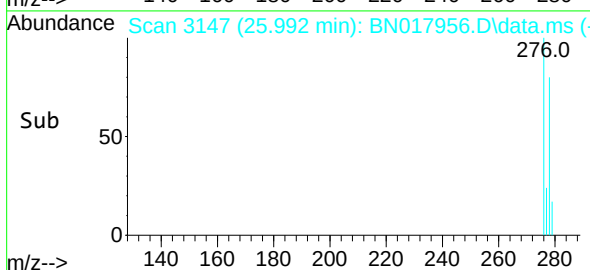
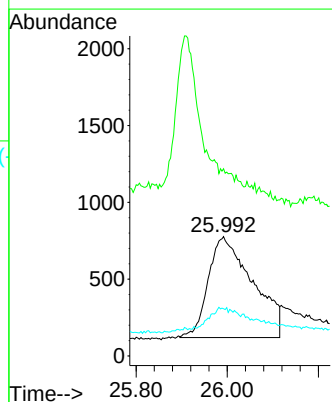
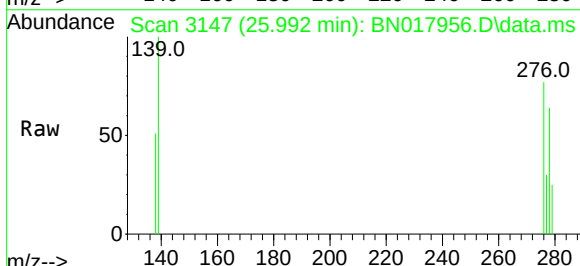
RT: 25.992 min Scan# 3147

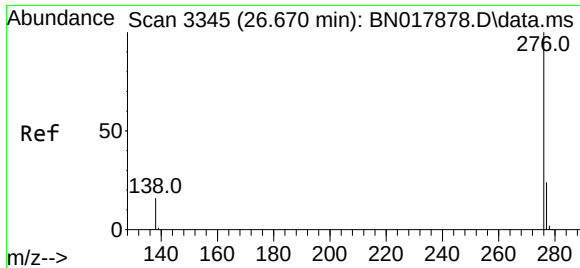
Delta R.T. 0.004 min

Lab File: BN017956.D

Acq: 13 Dec 2021 02:18

Tgt Ion:	278	Resp:	4454
Ion Ratio	Lower	Upper	
278	100		
139	156.9	12.0	18.0#
279	39.6	20.8	31.2#





#41

Benzo(g,h,i)perylene

Concen: 0.050 ng

RT: 26.673 min Scan# 31

Delta R.T. 0.003 min

Lab File: BN017956.D

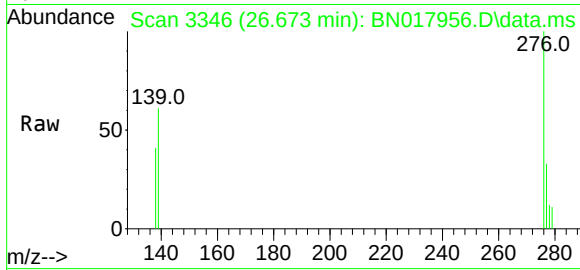
Acq: 13 Dec 2021 02:18

Instrument :

BNA_N

ClientSampleId :

RE122D1-20211207



Tgt Ion:276 Resp: 7139

Ion Ratio Lower Upper

276 100

277 32.6 19.6 29.4

138 40.9 13.8 20.8

Manual Integrations

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Reviewed By :Christian Giraldo 12/13/2021

Supervised By :Jagrut Upadhyay 12/13/2021

