

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121121\
 Data File : BN017940.D
 Acq On : 12 Dec 2021 14:53
 Operator : CG/JU
 Sample : M4988-01
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE125D2-20211206

Quant Time: Dec 13 00:40:16 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	7.706	152	31236	0.400	ng	0.00
7) Naphthalene-d8	10.494	136	124740	0.400	ng	0.00
13) Acenaphthene-d10	14.335	164	85839	0.400	ng	0.00
19) Phenanthrene-d10	17.080	188	169218	0.400	ng	#-0.01
29) Chrysene-d12	21.282	240	126099	0.400	ng	#-0.01
35) Perylene-d12	23.586	264	96199	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.336	112	8187	0.127	ng	0.00
5) Phenol-d6	6.903	99	4336	0.068	ng	0.00
8) Nitrobenzene-d5	8.846	82	21690	0.266	ng	-0.01
11) 2-Methylnaphthalene-d10	12.085	152	53540	0.244	ng	0.00
14) 2,4,6-Tribromophenol	15.844	330	5865	0.458	ng	0.00
15) 2-Fluorobiphenyl	12.964	172	86633	0.287	ng	0.00
27) Fluoranthene-d10	19.124	212	164417	0.300	ng	0.00
31) Terphenyl-d14	19.730	244	147979	0.476	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.270	88	86725m	9.149	ng	
9) Naphthalene	10.545	128	10611	0.034	ng	96
25) Phenanthrene	17.129	178	9937m	0.023	ng	
30) Pyrene	19.517	202	11034	0.022	ng	# 93
32) Benzo(a)anthracene	21.272	228	21736	0.104	ng	# 88
33) Chrysene	21.325	228	23702	0.057	ng	# 92
34) Bis(2-ethylhexyl)phtha...	21.208	149	1347285	9.952	ng	98
36) Indeno(1,2,3-cd)pyrene	25.961	276	8419m	0.130	ng	
37) Benzo(b)fluoranthene	22.891	252	18203	0.057	ng	# 1
38) Benzo(k)fluoranthene	22.935	252	15892	0.051	ng	# 1
39) Benzo(a)pyrene	23.486	252	15401	0.055	ng	# 1
40) Dibenzo(a,h)anthracene	25.985	278	5339m	0.140	ng	
41) Benzo(g,h,i)perylene	26.680	276	8640	0.057	ng	# 66

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

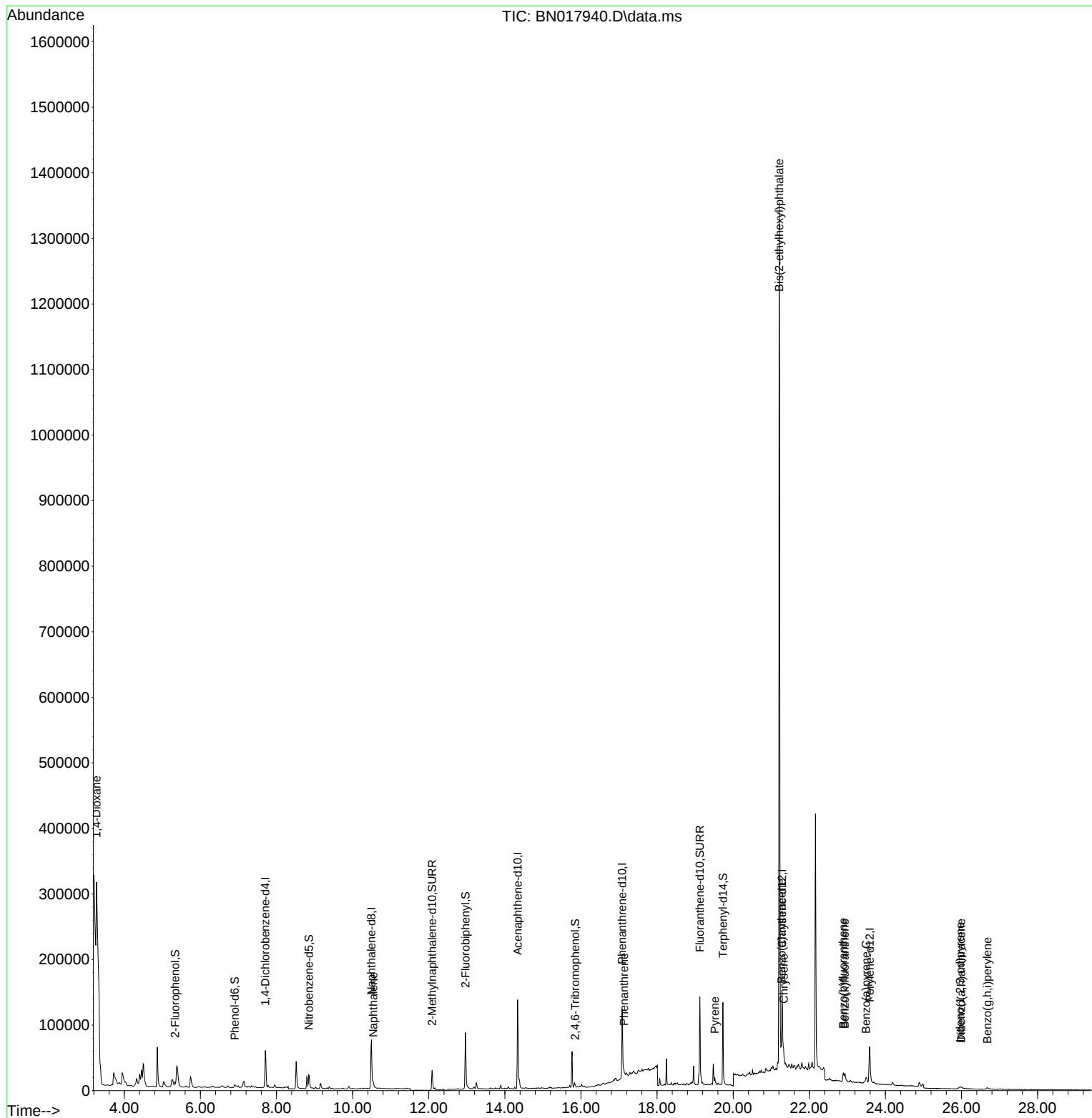
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121121\
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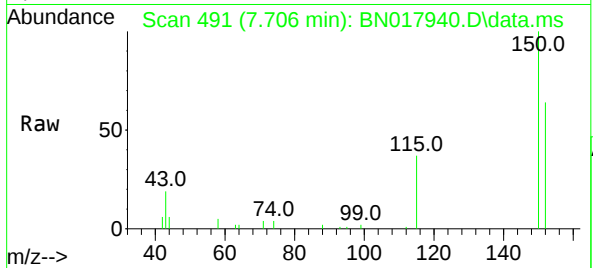
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#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.706 min Scan# 49
Delta R.T. -0.009 min
Lab File: BN017940.D
Acq: 12 Dec 2021 14:53

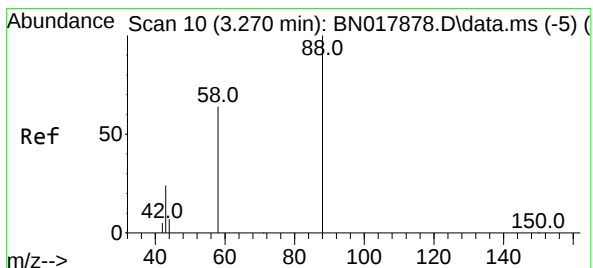
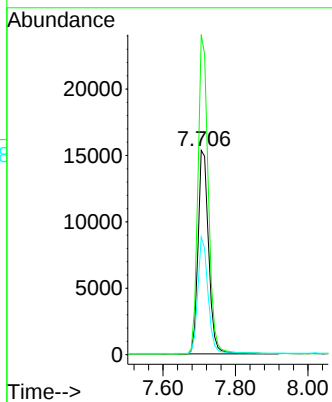
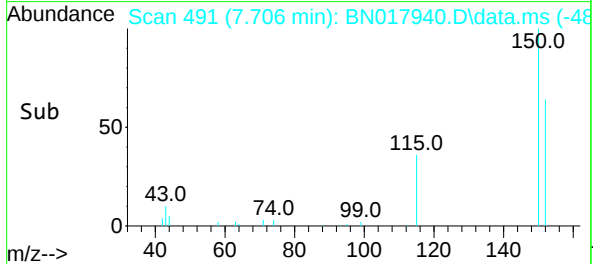
Instrument :
BNA_N
ClientSampleId :
RE125D2-20211206



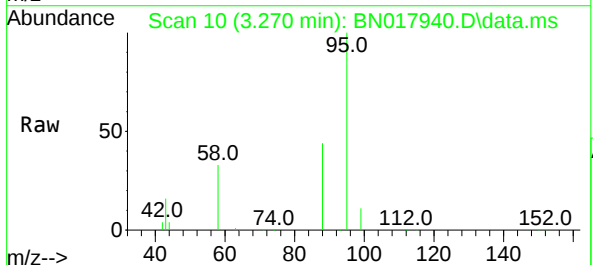
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Ion Ratio Lower Upper
152 100
150 156.7 121.9 182.9
115 57.6 44.1 66.1

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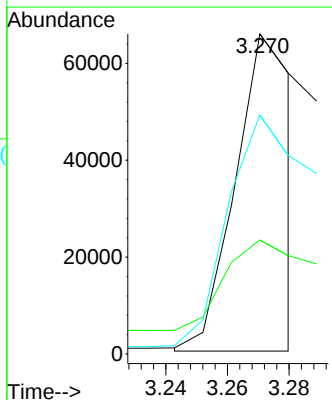
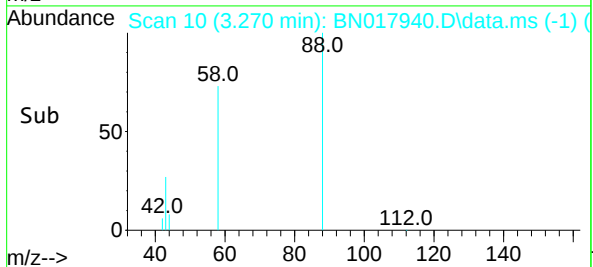
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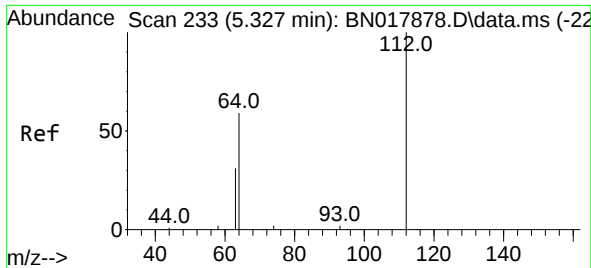


#2
1,4-Dioxane
Concen: 9.149 ng m
RT: 3.270 min Scan# 10
Delta R.T. 0.000 min
Lab File: BN017940.D
Acq: 12 Dec 2021 14:53



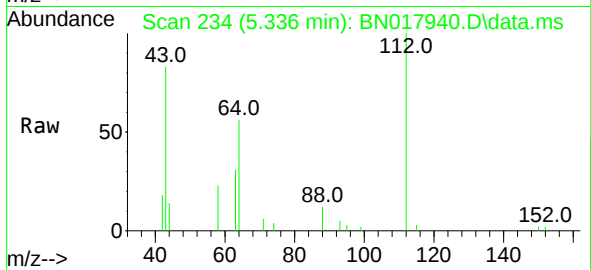
Tgt Ion: 88 Resp: 86725
Ion Ratio Lower Upper
88 100
43 48.3 28.0 42.0#
58 121.3 65.4 98.0#





#4
2-Fluorophenol
Concen: 0.127 ng
RT: 5.336 min Scan# 21
Delta R.T. 0.009 min
Lab File: BN017940.D
Acq: 12 Dec 2021 14:53

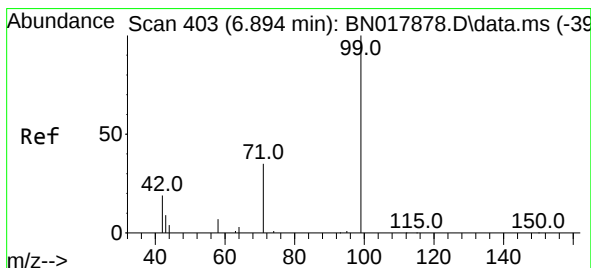
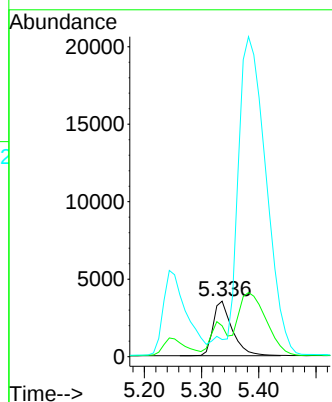
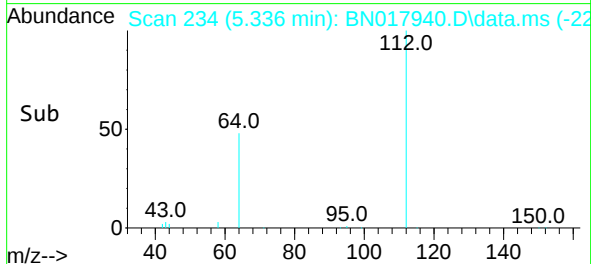
Instrument :
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ClientSampleId :
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Tgt Ion: 112 Resp: 818
Ion Ratio Lower Upper
112 100
64 40.0 49.0 73.4#
63 0.0 26.2 39.2#

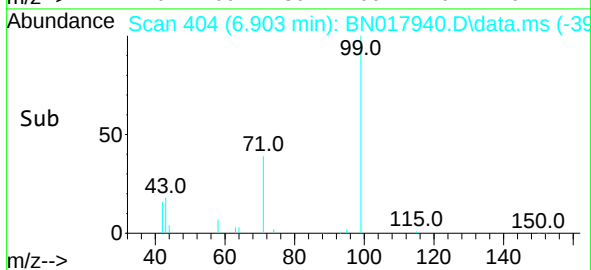
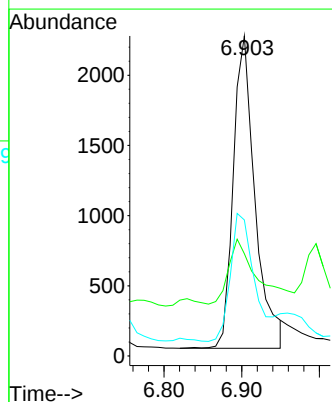
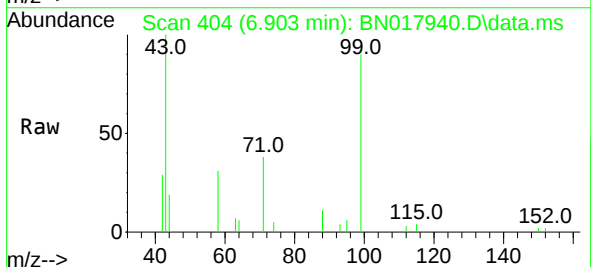
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#5
Phenol-d6
Concen: 0.068 ng
RT: 6.903 min Scan# 404
Delta R.T. 0.009 min
Lab File: BN017940.D
Acq: 12 Dec 2021 14:53

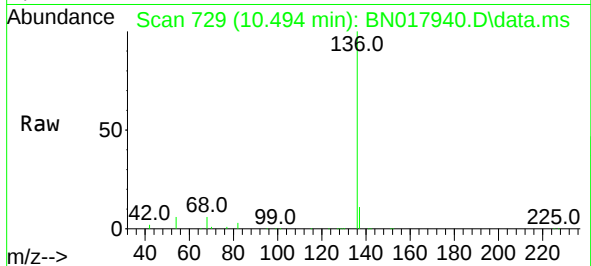
Tgt Ion: 99 Resp: 4336
Ion Ratio Lower Upper
99 100
42 25.7 17.0 25.4#
71 45.3 28.0 42.0#





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.494 min Scan# 729
Delta R.T. 0.000 min
Lab File: BN017940.D
Acq: 12 Dec 2021 14:53

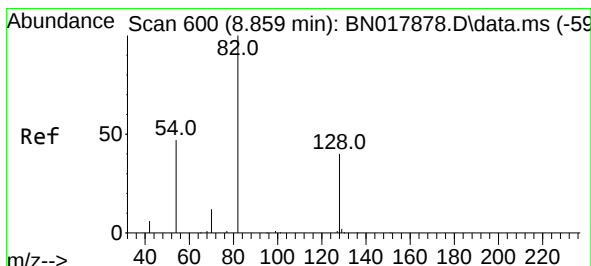
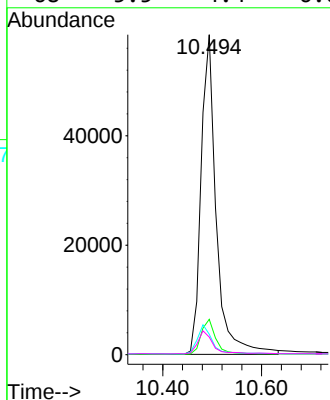
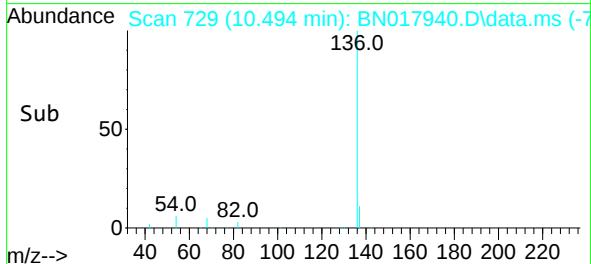
Instrument :
BNA_N
ClientSampleId :
RE125D2-20211206



Tgt Ion:136 Resp: 124740
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 6.4 5.1 7.7
68 5.5 4.4 6.6

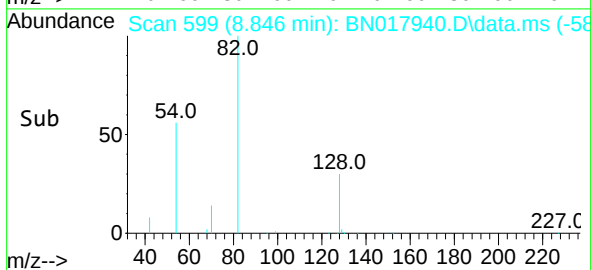
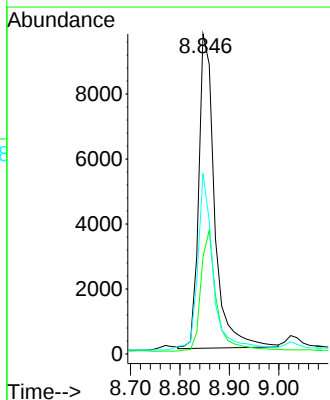
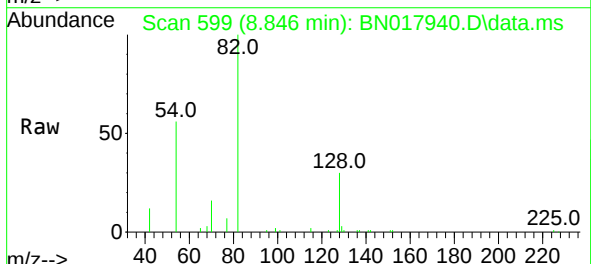
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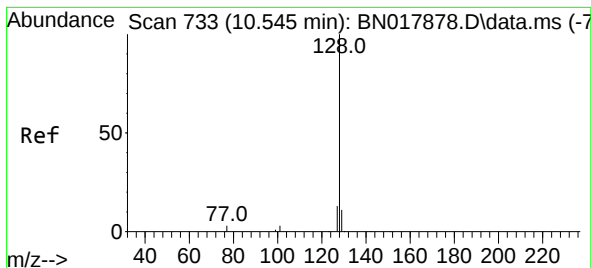
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#8
Nitrobenzene-d5
Concen: 0.266 ng
RT: 8.846 min Scan# 599
Delta R.T. -0.013 min
Lab File: BN017940.D
Acq: 12 Dec 2021 14:53

Tgt Ion: 82 Resp: 21690
Ion Ratio Lower Upper
82 100
128 30.3 32.2 48.4#
54 56.4 37.6 56.4#





#9

Naphthalene

Concen: 0.034 ng

RT: 10.545 min Scan# 71

Delta R.T. -0.000 min

Lab File: BN017940.D

Acq: 12 Dec 2021 14:53

Instrument :

BNA_N

ClientSampleId :

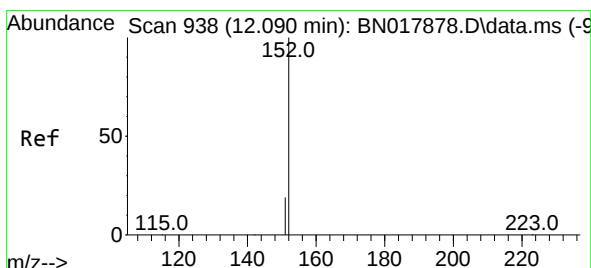
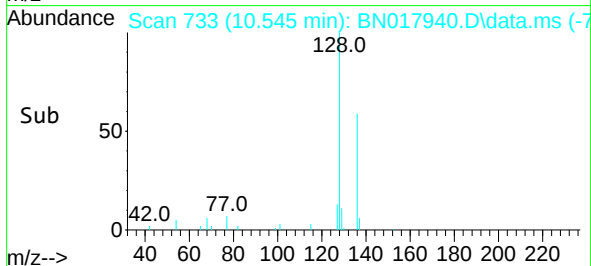
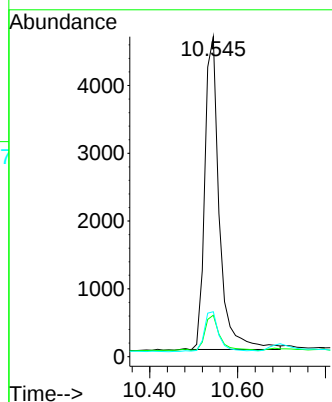
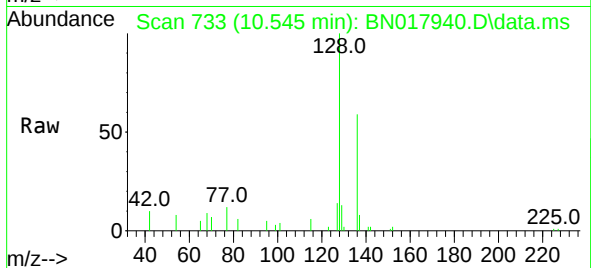
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Tgt Ion:128 Resp: 1061
 Ion Ratio Lower Upper
 128 100
 129 12.9 8.8 13.2
 127 14.0 10.5 15.7

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#11

2-Methylnaphthalene-d10

Concen: 0.244 ng

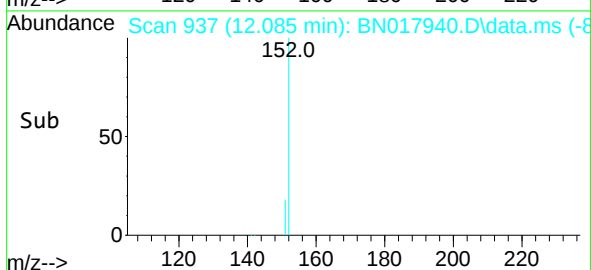
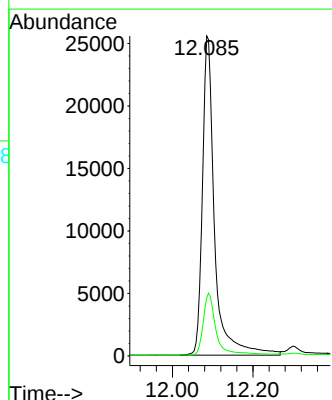
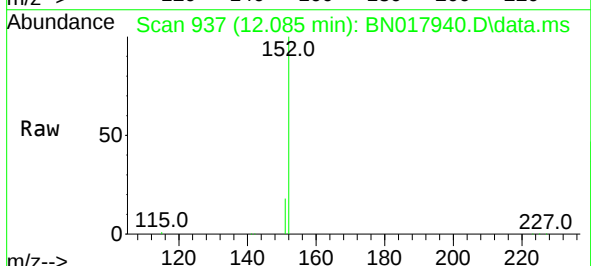
RT: 12.085 min Scan# 937

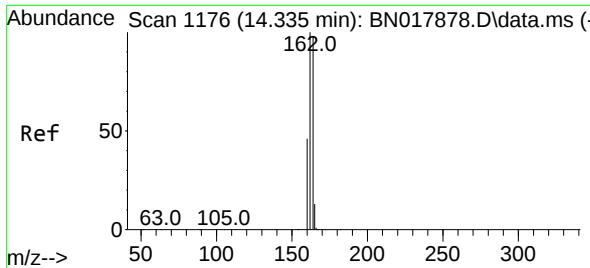
Delta R.T. -0.004 min

Lab File: BN017940.D

Acq: 12 Dec 2021 14:53

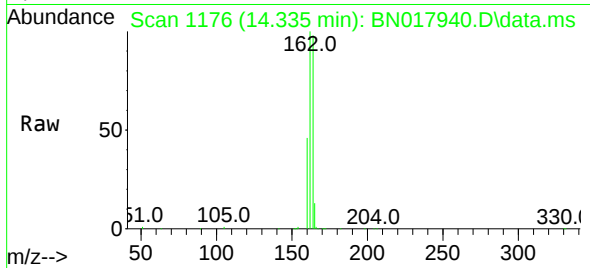
Tgt Ion:152 Resp: 53540
 Ion Ratio Lower Upper
 152 100
 151 20.4 16.4 24.6





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.335 min Scan# 1176
Delta R.T. 0.000 min
Lab File: BN017940.D
Acq: 12 Dec 2021 14:53

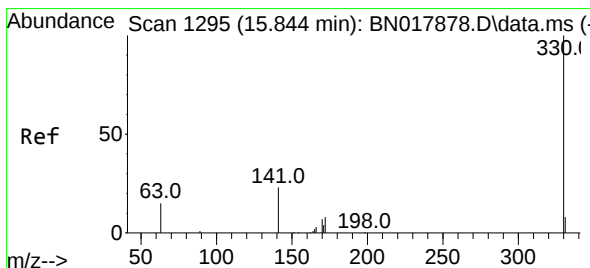
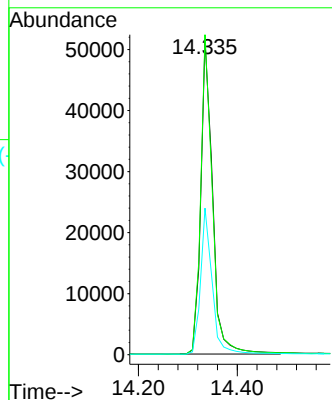
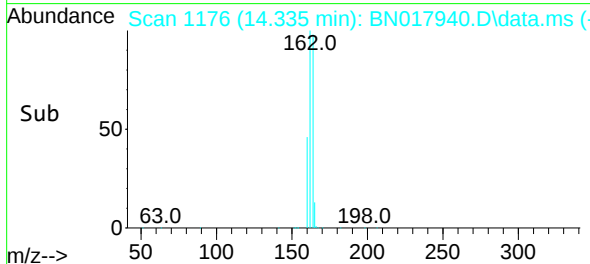
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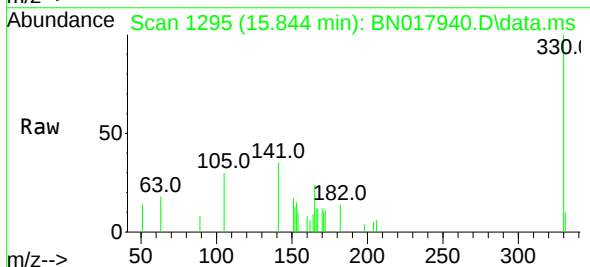
Tgt Ion:164 Resp: 85839
Ion Ratio Lower Upper
164 100
162 101.6 82.1 123.1
160 46.5 38.2 57.2

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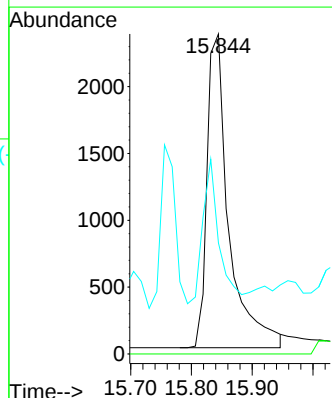
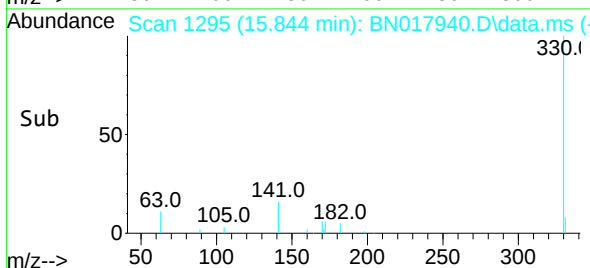
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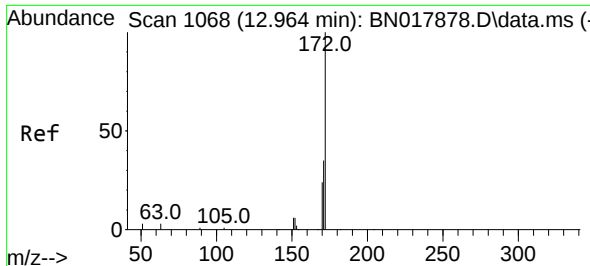


#14
2,4,6-Tribromophenol
Concen: 0.458 ng
RT: 15.844 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BN017940.D
Acq: 12 Dec 2021 14:53



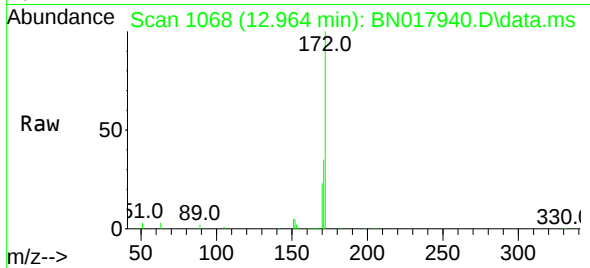
Tgt Ion:330 Resp: 5865
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 34.3 19.7 29.5#





#15
2-Fluorobiphenyl
Concen: 0.287 ng
RT: 12.964 min Scan# 1068
Delta R.T. 0.000 min
Lab File: BN017940.D
Acq: 12 Dec 2021 14:53

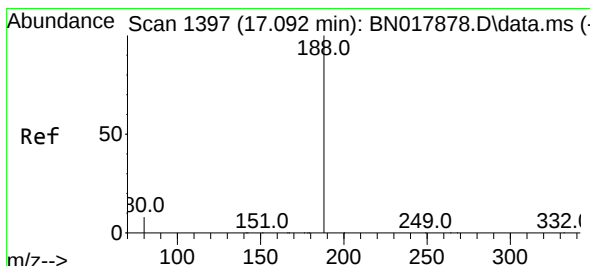
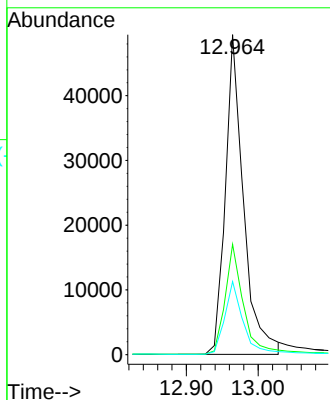
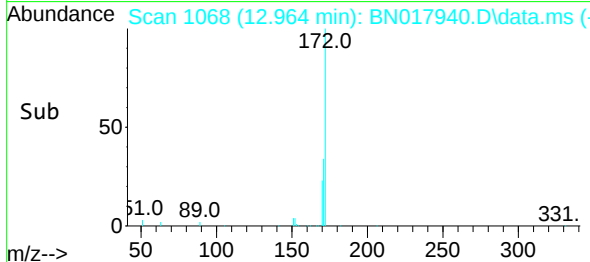
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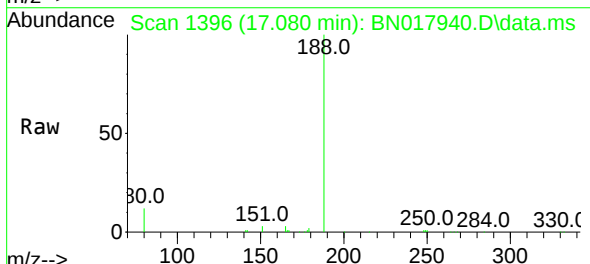
Tgt Ion:172 Resp: 8663
Ion Ratio Lower Upper
172 100
171 34.5 28.3 42.5
170 22.9 19.1 28.7

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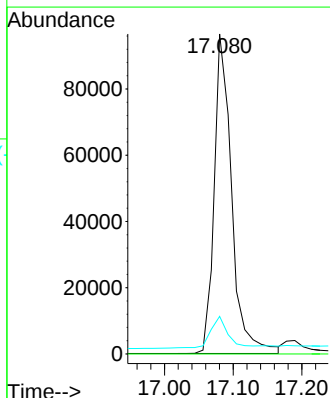
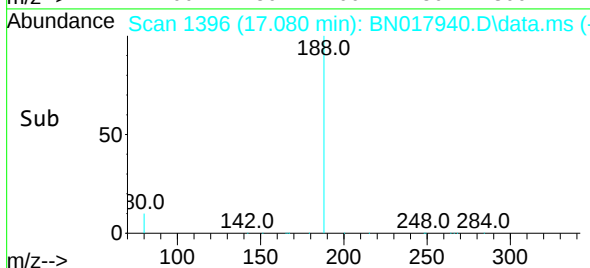
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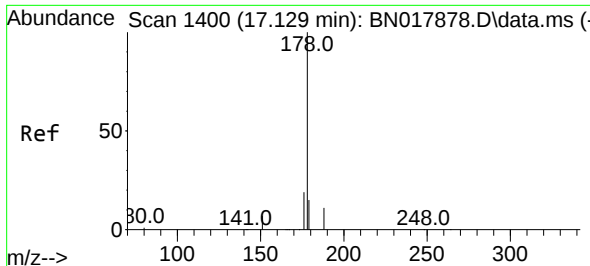


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.080 min Scan# 1396
Delta R.T. -0.012 min
Lab File: BN017940.D
Acq: 12 Dec 2021 14:53



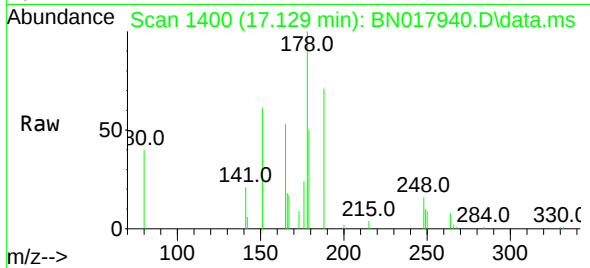
Tgt Ion:188 Resp: 169218
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.8 6.2 9.2#





#25
Phenanthrene
Concen: 0.023 ng m
RT: 17.129 min Scan# 1400
Delta R.T. 0.000 min
Lab File: BN017940.D
Acq: 12 Dec 2021 14:53

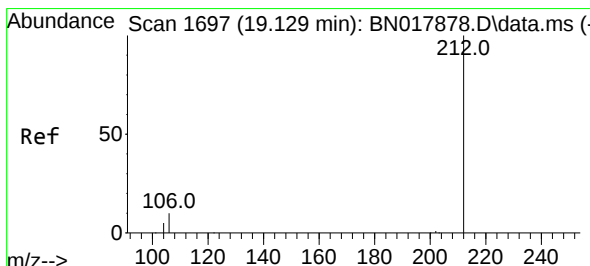
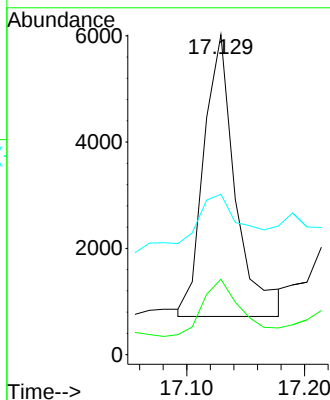
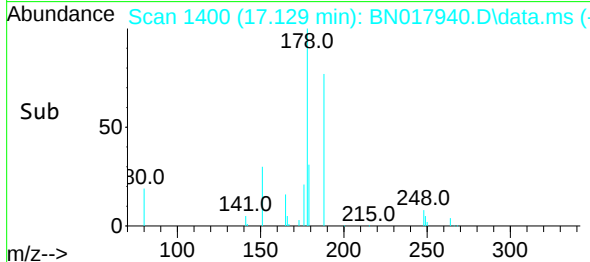
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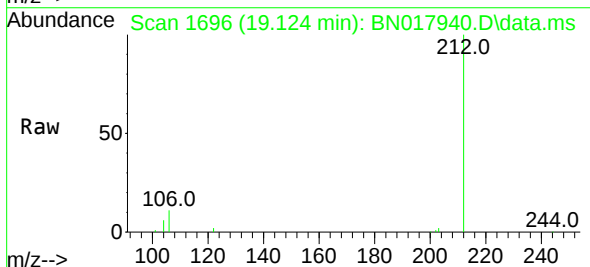
Tgt Ion:178 Resp: 993
Ion Ratio Lower Upper
178 100
176 25.0 15.0 22.6
179 35.8 12.4 18.6

Manual Integrations
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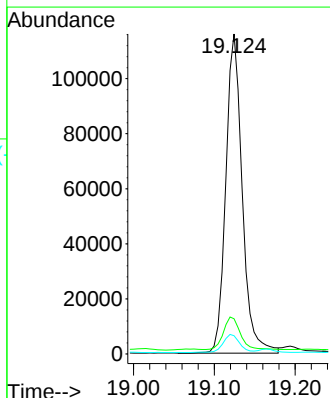
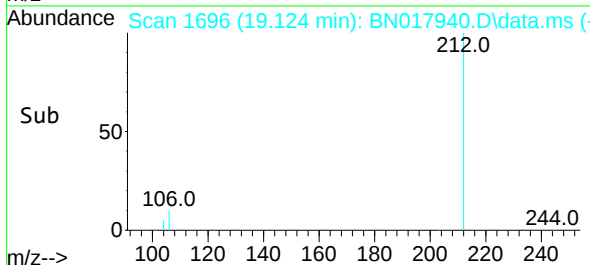
Reviewed By :Christian Giraldo 12/13/2021
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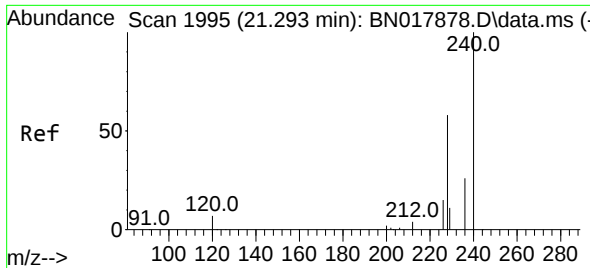


#27
Fluoranthene-d10
Concen: 0.300 ng
RT: 19.124 min Scan# 1696
Delta R.T. -0.005 min
Lab File: BN017940.D
Acq: 12 Dec 2021 14:53



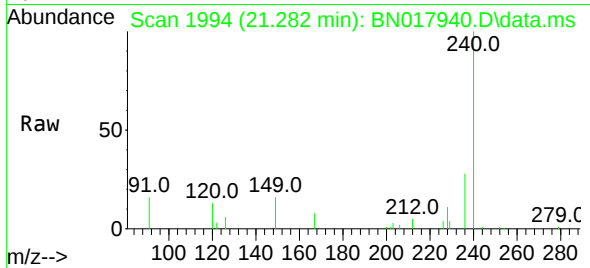
Tgt Ion:212 Resp: 164417
Ion Ratio Lower Upper
212 100
106 10.6 8.3 12.5
104 5.8 4.6 6.8





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.282 min Scan# 1994
Delta R.T. -0.011 min
Lab File: BN017940.D
Acq: 12 Dec 2021 14:53

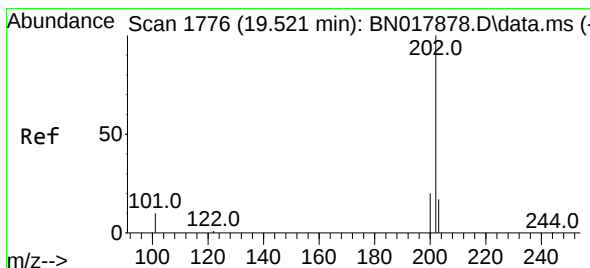
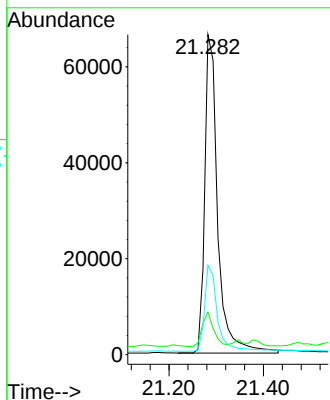
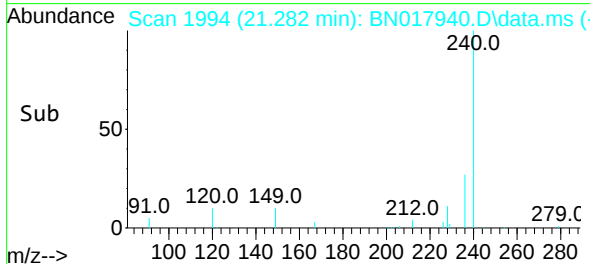
Instrument :
BNA_N
ClientSampleId :
RE125D2-20211206



Tgt Ion:240 Resp: 126099
Ion Ratio Lower Upper
240 100
120 13.2 5.8 8.8
236 28.0 21.0 31.6

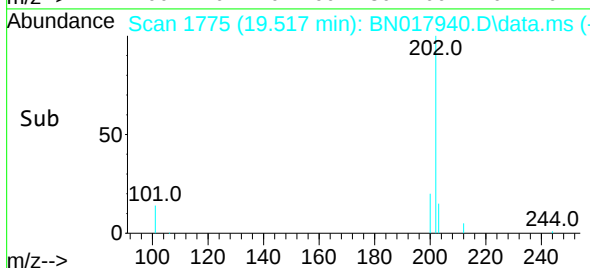
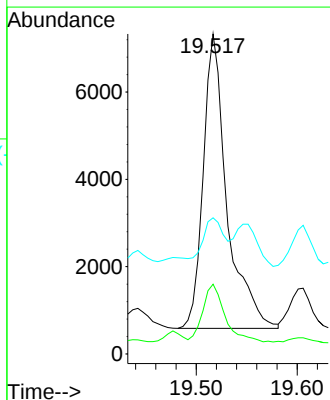
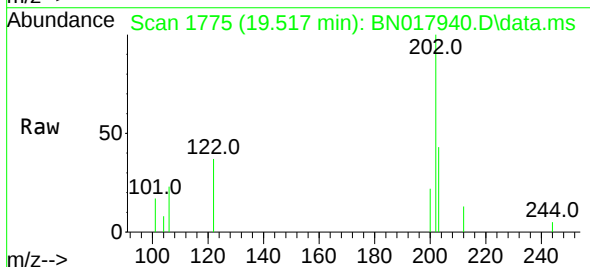
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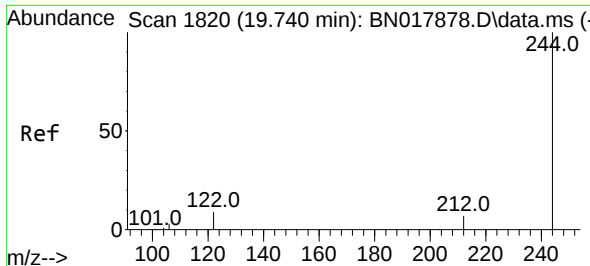
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#30
Pyrene
Concen: 0.022 ng
RT: 19.517 min Scan# 1775
Delta R.T. -0.005 min
Lab File: BN017940.D
Acq: 12 Dec 2021 14:53

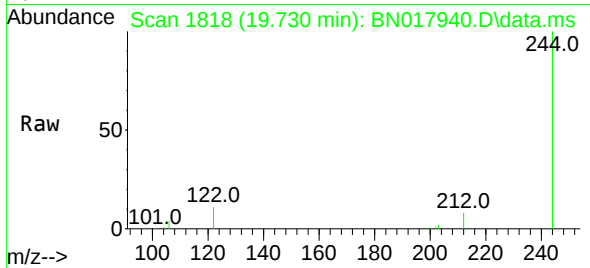
Tgt Ion:202 Resp: 11034
Ion Ratio Lower Upper
202 100
200 18.8 16.5 24.7
203 12.4 14.0 21.0





#31
 Terphenyl-d14
 Concen: 0.476 ng
 RT: 19.730 min Scan# 1818
 Delta R.T. -0.010 min
 Lab File: BN017940.D
 Acq: 12 Dec 2021 14:53

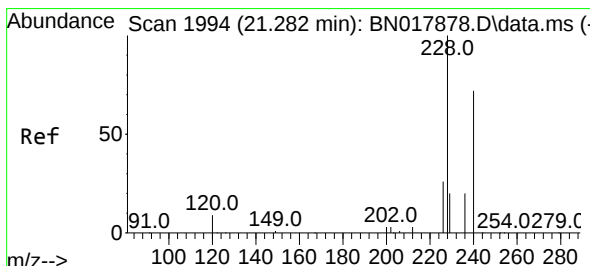
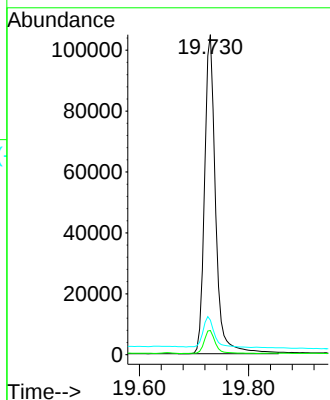
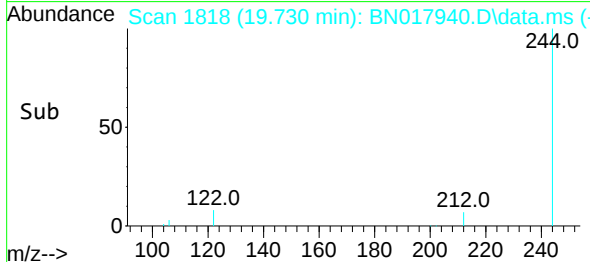
Instrument :
 BNA_N
 ClientSampleId :
 RE125D2-20211206



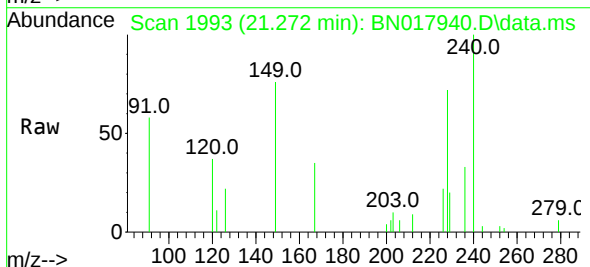
Tgt Ion:244 Resp: 147979
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.2 9.2
 122 10.8 7.5 11.3

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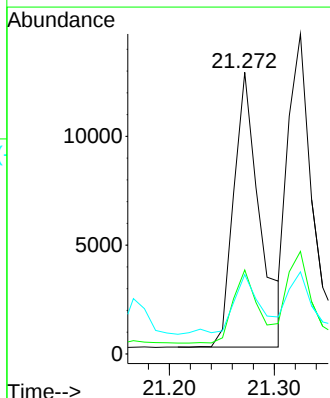
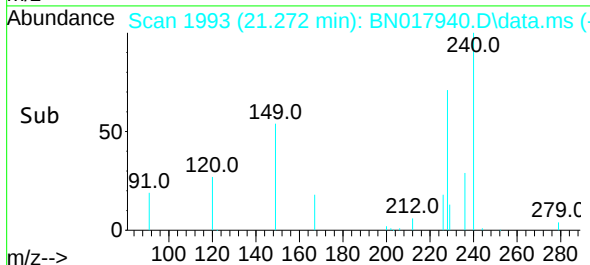
Reviewed By :Christian Giraldo 12/13/2021
 Supervised By :Jagrut Upadhyay 12/13/2021

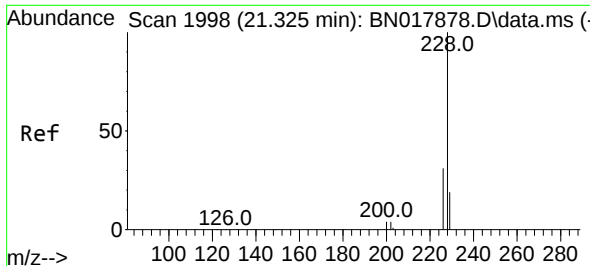


#32
 Benzo(a)anthracene
 Concen: 0.104 ng
 RT: 21.272 min Scan# 1993
 Delta R.T. -0.010 min
 Lab File: BN017940.D
 Acq: 12 Dec 2021 14:53



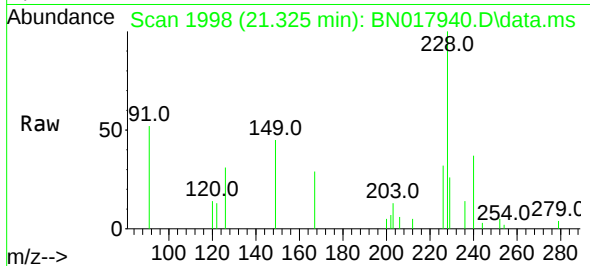
Tgt Ion:228 Resp: 21736
 Ion Ratio Lower Upper
 228 100
 226 29.8 21.0 31.4
 229 28.2 15.8 23.8





#33
Chrysene
Concen: 0.057 ng
RT: 21.325 min Scan# 1998
Delta R.T. -0.000 min
Lab File: BN017940.D
Acq: 12 Dec 2021 14:53

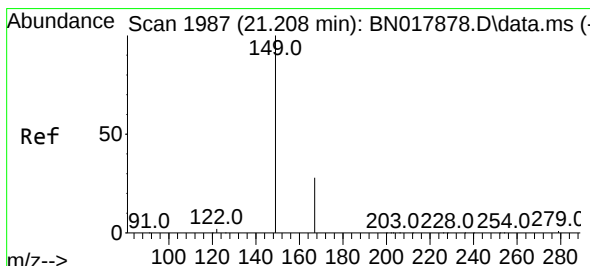
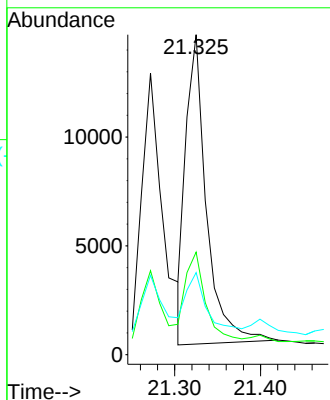
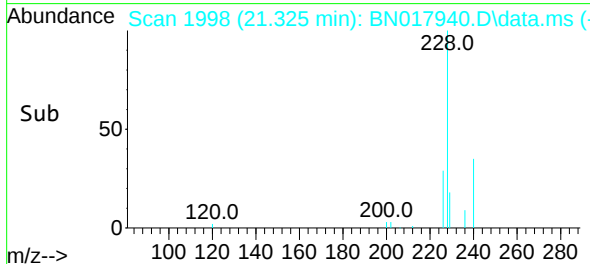
Instrument :
BNA_N
ClientSampleId :
RE125D2-20211206



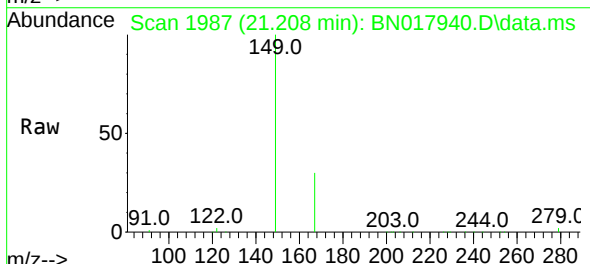
Tgt Ion:228 Resp: 2370
Ion Ratio Lower Upper
228 100
226 32.0 23.8 35.8
229 25.7 15.6 23.4

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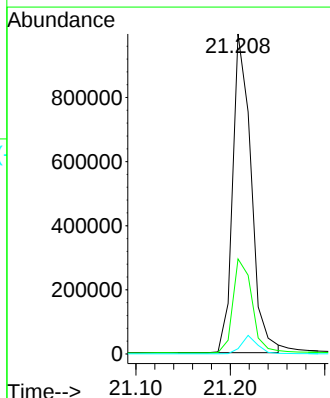
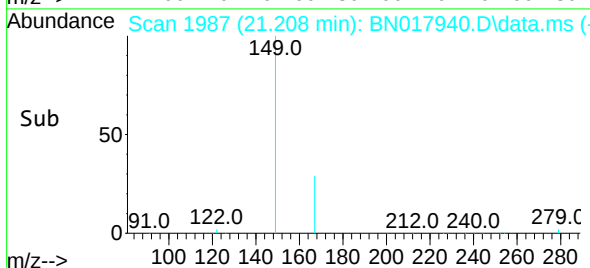
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021

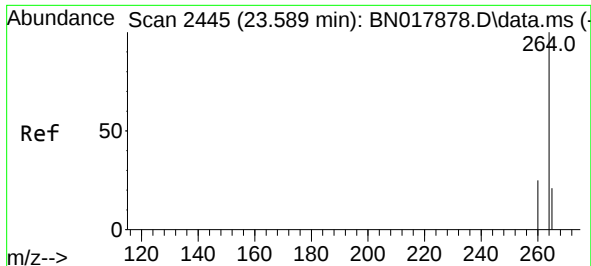


#34
Bis(2-ethylhexyl)phthalate
Concen: 9.952 ng
RT: 21.208 min Scan# 1987
Delta R.T. 0.000 min
Lab File: BN017940.D
Acq: 12 Dec 2021 14:53



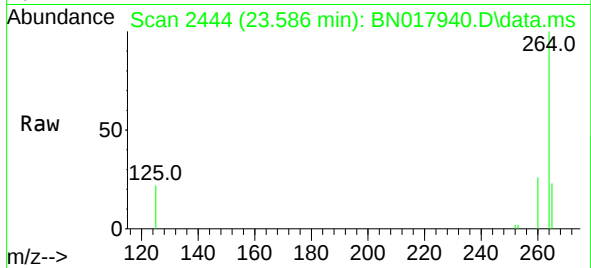
Tgt Ion:149 Resp: 1347285
Ion Ratio Lower Upper
149 100
167 30.4 23.4 35.0
279 5.1 3.6 5.4





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.586 min Scan# 2445
Delta R.T. -0.003 min
Lab File: BN017940.D
Acq: 12 Dec 2021 14:53

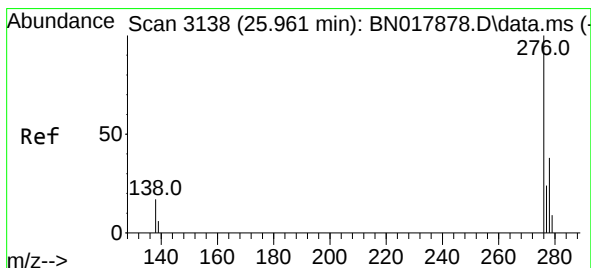
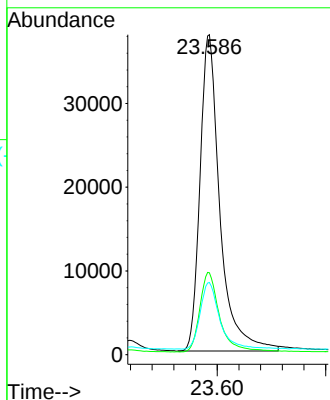
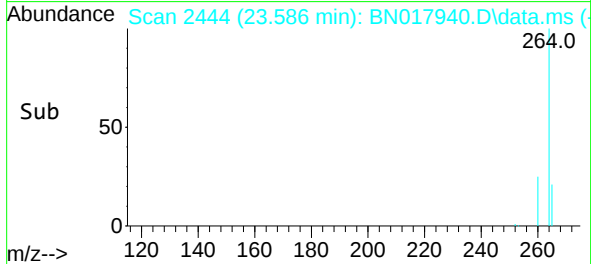
Instrument :
BNA_N
ClientSampleId :
RE125D2-20211206



Tgt Ion:264 Resp: 96199
Ion Ratio Lower Upper
264 100
260 25.6 20.2 30.4
265 22.6 18.2 27.4

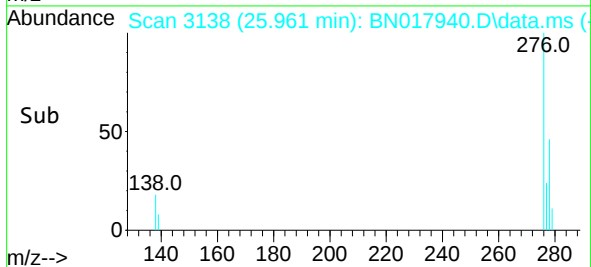
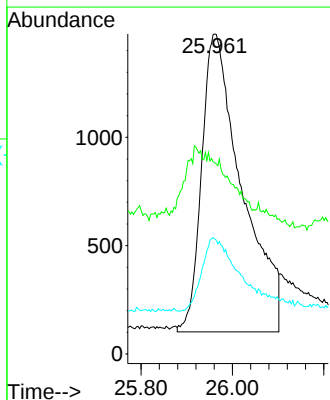
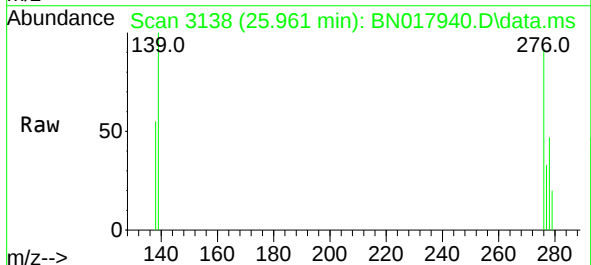
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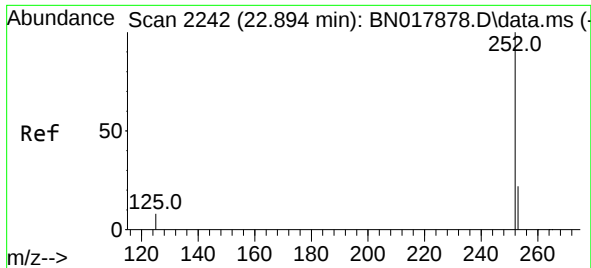
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.130 ng m
RT: 25.961 min Scan# 3138
Delta R.T. 0.000 min
Lab File: BN017940.D
Acq: 12 Dec 2021 14:53

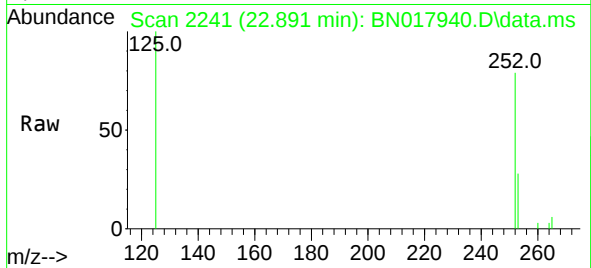
Tgt Ion:276 Resp: 8419
Ion Ratio Lower Upper
276 100
138 0.0 15.2 22.8#
277 21.2 19.8 29.6





#37
Benzo(b)fluoranthene
Concen: 0.057 ng
RT: 22.891 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN017940.D
Acq: 12 Dec 2021 14:53

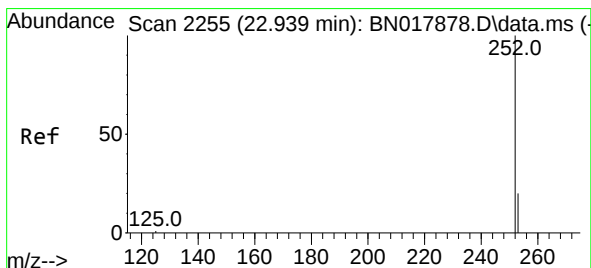
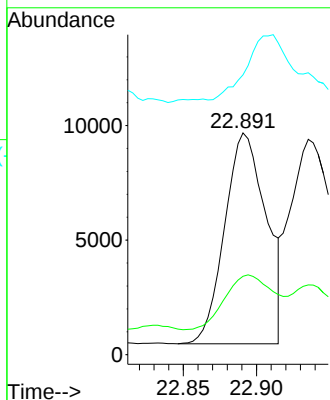
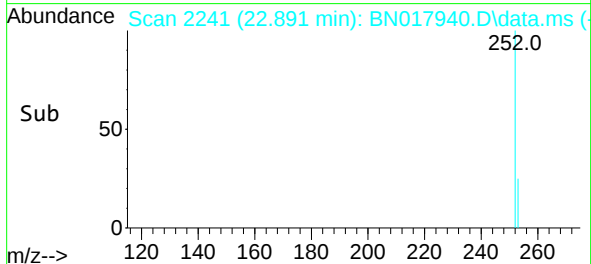
Instrument :
BNA_N
ClientSampleId :
RE125D2-20211206



Tgt Ion:252 Resp: 1820
Ion Ratio Lower Upper
252 100
253 35.3 17.9 26.9#
125 126.1 6.8 10.2#

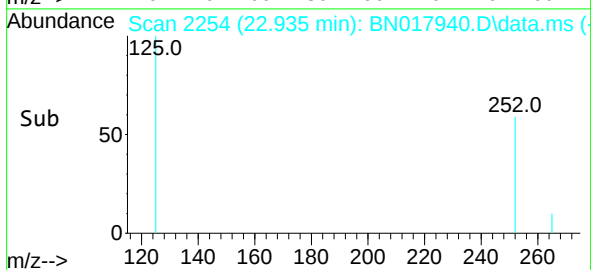
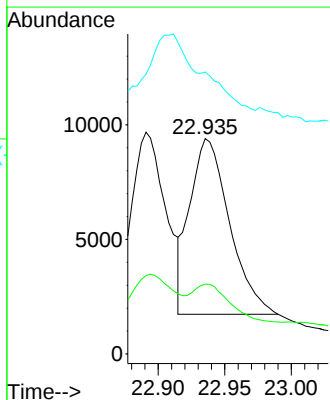
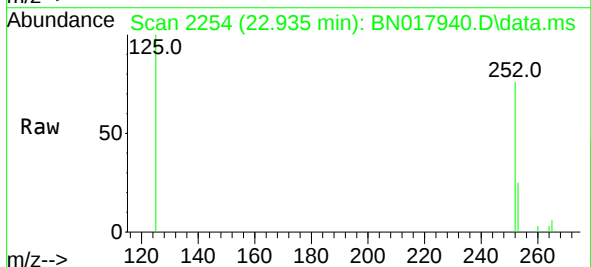
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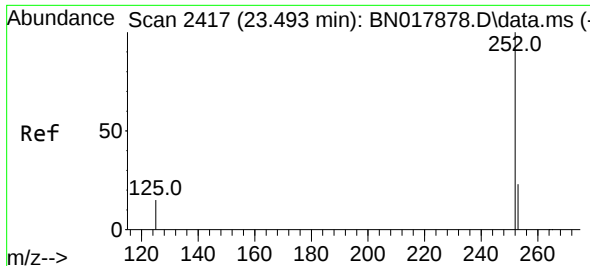
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#38
Benzo(k)fluoranthene
Concen: 0.051 ng
RT: 22.935 min Scan# 2254
Delta R.T. -0.003 min
Lab File: BN017940.D
Acq: 12 Dec 2021 14:53

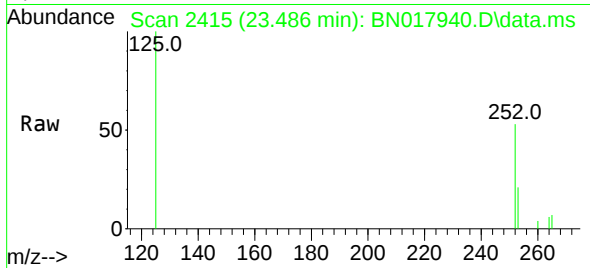
Tgt Ion:252 Resp: 15892
Ion Ratio Lower Upper
252 100
253 32.4 17.8 26.6#
125 130.9 6.1 9.1#





#39
Benzo(a)pyrene
Concen: 0.055 ng
RT: 23.486 min Scan# 2417
Delta R.T. -0.007 min
Lab File: BN017940.D
Acq: 12 Dec 2021 14:53

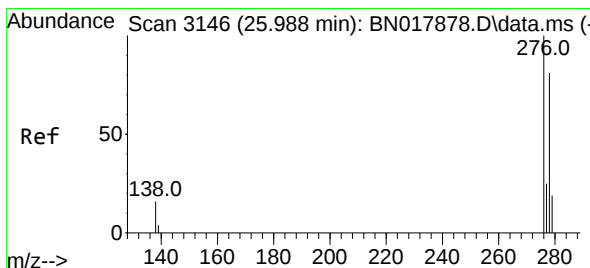
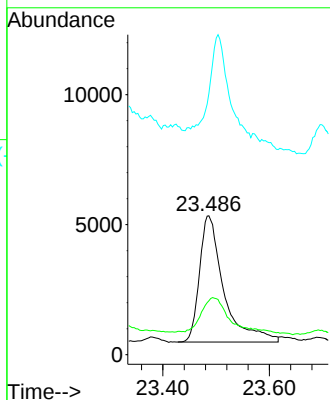
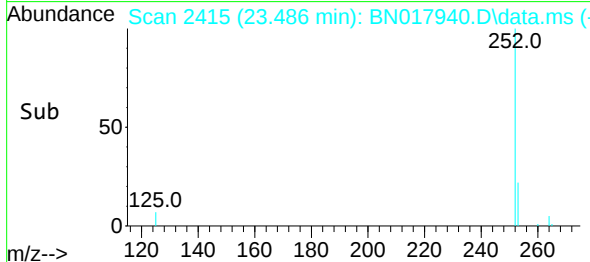
Instrument :
BNA_N
ClientSampleId :
RE125D2-20211206



Tgt Ion:252 Resp: 1540
Ion Ratio Lower Upper
252 100
253 38.9 18.8 28.2
125 188.2 12.2 18.2

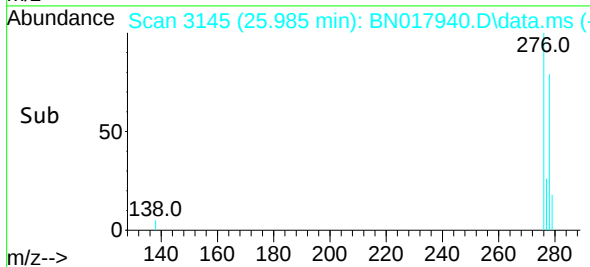
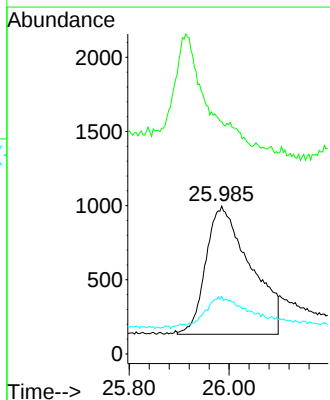
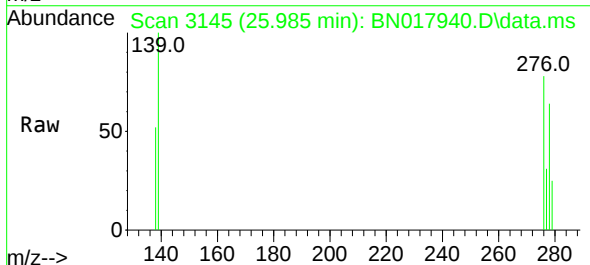
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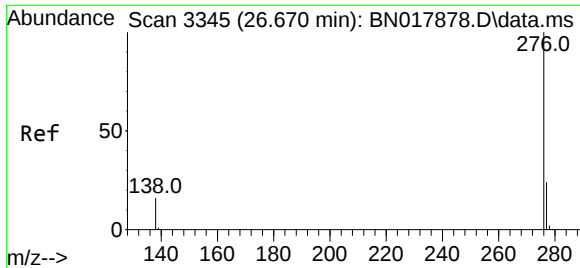
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#40
Dibenzo(a,h)anthracene
Concen: 0.140 ng m
RT: 25.985 min Scan# 3145
Delta R.T. -0.003 min
Lab File: BN017940.D
Acq: 12 Dec 2021 14:53

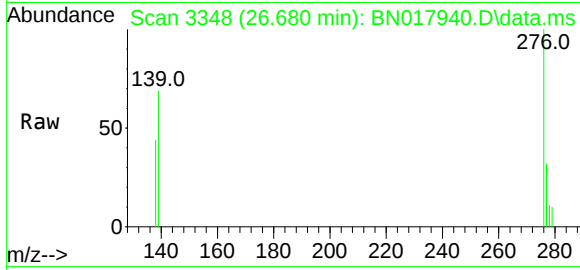
Tgt Ion:278 Resp: 5339
Ion Ratio Lower Upper
278 100
139 157.2 12.0 18.0#
279 38.8 20.8 31.2#





#41
 Benzo(g,h,i)perylene
 Concen: 0.057 ng
 RT: 26.680 min Scan# 31
 Delta R.T. 0.010 min
 Lab File: BN017940.D
 Acq: 12 Dec 2021 14:53

Instrument :
 BNA_N
 ClientSampleId :
 RE125D2-20211206



Tgt Ion: 276 Resp: 8640

Ion	Ratio	Lower	Upper
276	100		
277	31.8	19.6	29.4
138	43.7	13.8	20.8

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

