

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100121\
 Data File : BN016703.D
 Acq On : 03 Oct 2021 11:48
 Operator : CG/JU
 Sample : M3892-06
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-822-N-SO-1-1.5-092221

Manual Integrations
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Quant Time: Oct 04 03:38:30 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 01 13:35:26 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.642	152	25426	0.40	ng	0.00
7) Naphthalene-d8	10.407	136	118449	0.40	ng	0.00
13) Acenaphthene-d10	14.269	164	68478	0.40	ng	0.00
19) Phenanthrene-d10	17.018	188	139917	0.40	ng	#-0.01
29) Chrysene-d12	21.238	240	135231	0.40	ng	# 0.00
35) Perylene-d12	23.491	264	94513	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.273	112	19009	0.29	ng	0.02
5) Phenol-d6	6.831	99	20528	0.29	ng	0.00
8) Nitrobenzene-d5	8.784	82	23048	0.30	ng	0.00
11) 2-Methylnaphthalene-d10	12.003	152	51209	0.29	ng	0.00
14) 2,4,6-Tribromophenol	15.766	330	10947	0.35	ng	0.00
15) 2-Fluorobiphenyl	12.886	172	64386	0.23	ng	-0.01
27) Fluoranthene-d10	19.068	212	101664	0.27	ng	0.00
31) Terphenyl-d14	19.679	244	76304	0.26	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.457	128	9772	0.03	ng	# 95
12) 2-Methylnaphthalene	12.078	142	10324	0.05	ng	99
17) Acenaphthene	14.332	154	5757	0.03	ng	96
18) Fluorene	15.322	166	8761m	0.04	ng	
25) Phenanthrene	17.066	178	147120m	0.35	ng	
26) Anthracene	17.151	178	31905	0.09	ng	# 93
28) Fluoranthene	19.098	202	320564	0.71	ng	99
30) Pyrene	19.460	202	274304	0.63	ng	# 96
32) Benzo(a)anthracene	21.217	228	166868	0.40	ng	98
33) Chrysene	21.270	228	170308m	0.41	ng	
34) Bis(2-ethylhexyl)phtha...	21.174	149	63482	0.38	ng	# 86
36) Indeno(1,2,3-cd)pyrene	25.768	276	44628	0.13	ng	97
37) Benzo(b)fluoranthene	22.814	252	186795	0.62	ng	# 93
38) Benzo(k)fluoranthene	22.858	252	70747m	0.24	ng	
39) Benzo(a)pyrene	23.392	252	104555	0.39	ng	# 93
40) Dibenzo(a,h)anthracene	25.785	278	14895	0.05	ng	# 52
41) Benzo(g,h,i)perylene	26.473	276	35975	0.12	ng	# 92

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

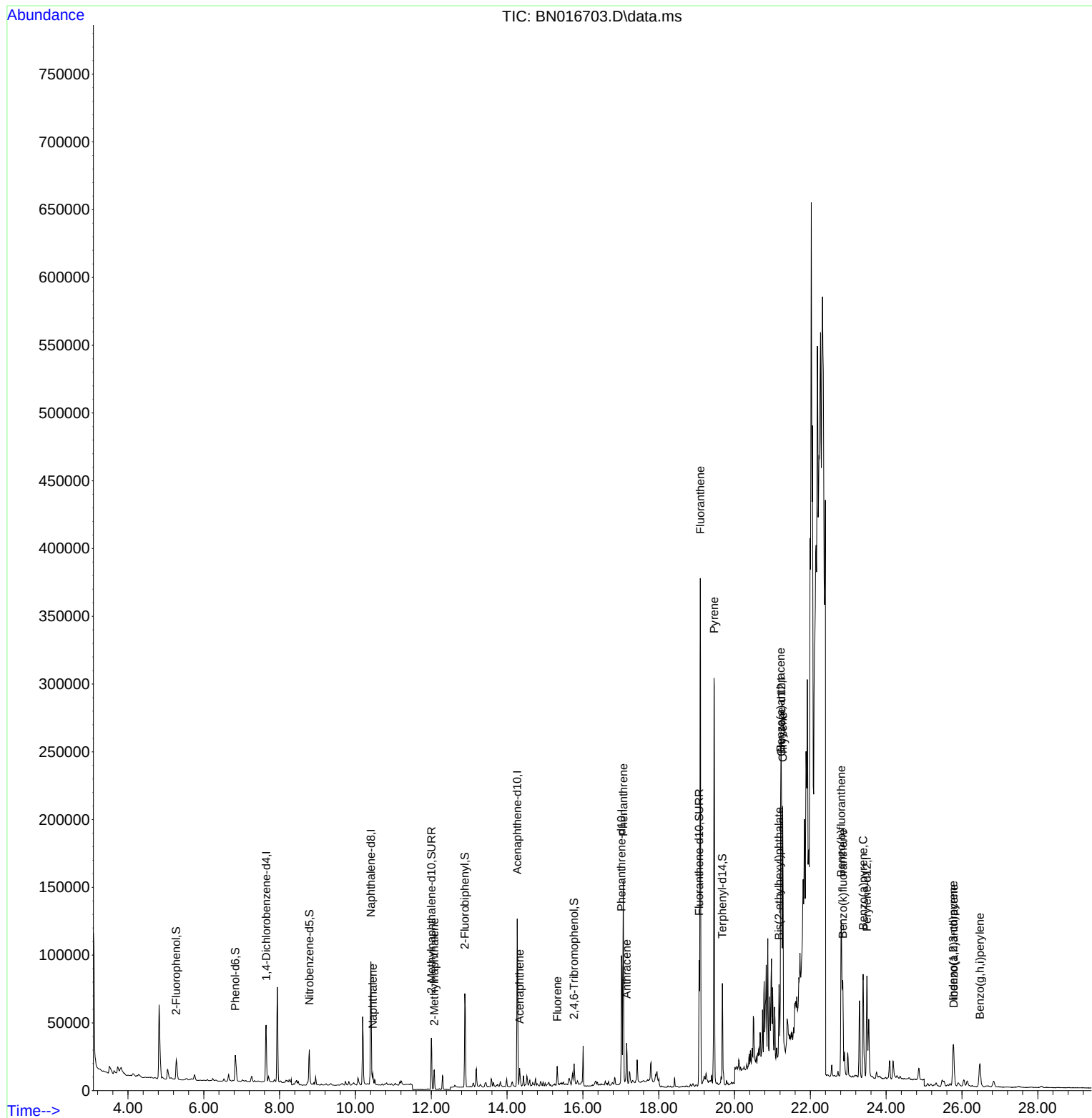
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Data File : BN016703.D
Acq On : 03 Oct 2021 11:48
Operator : CG/JU
Sample : M3892-06
Misc :
ALS Vial : 71 Sample Multiplier: 1

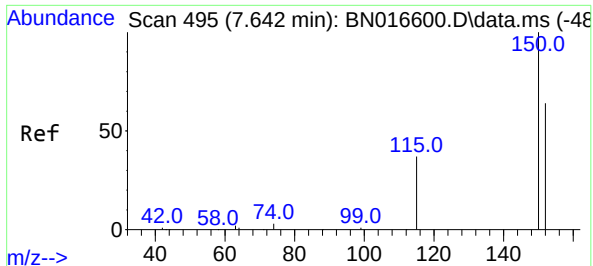
Instrument :
BNA_N
ClientSampleId :
S-822-N-SO-1-1.5-092221

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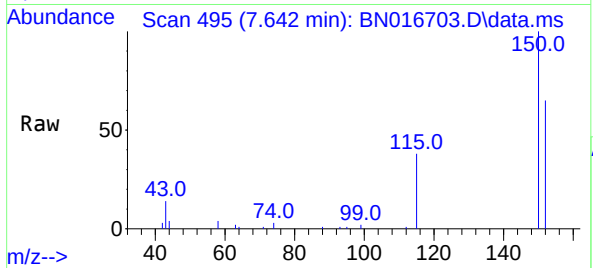
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Quant Time: Oct 04 03:38:30 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 01 13:35:26 2021
Response via : Initial Calibration

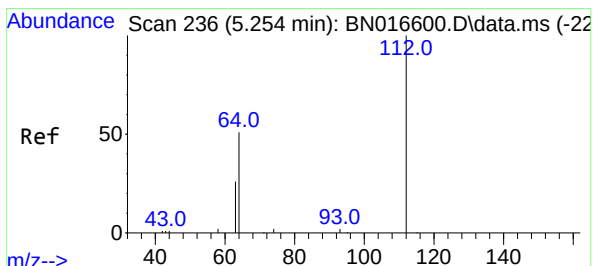
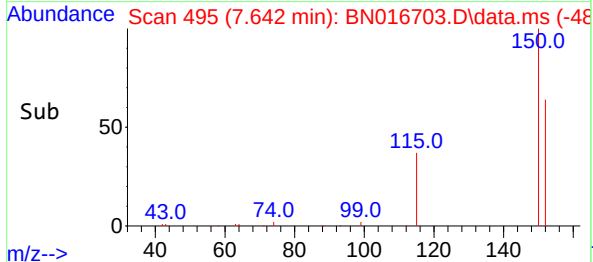
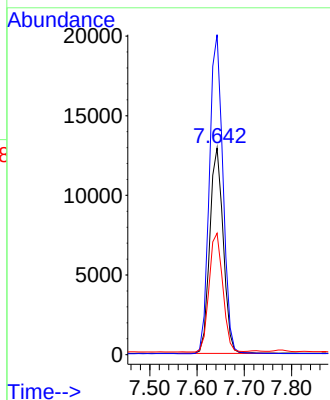




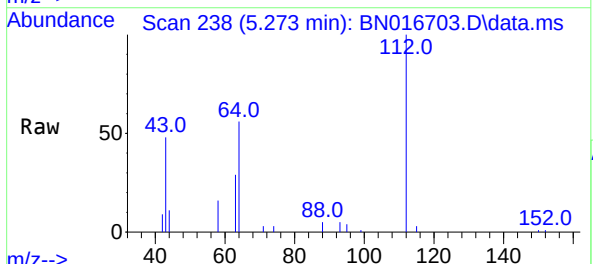
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1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.642 min Scan# 495
Delta R.T. 0.000 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48



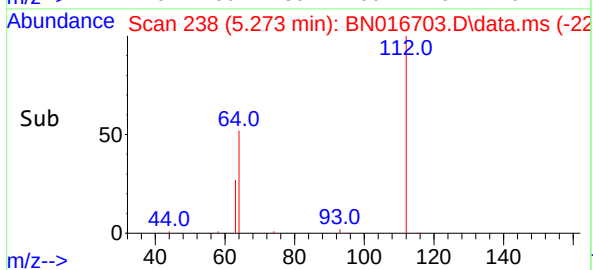
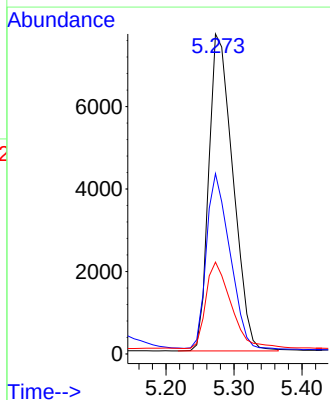
Tgt Ion:152 Resp: 25426
Ion Ratio Lower Upper
152 100
150 154.8 124.6 186.8
115 58.7 46.5 69.7



#4
2-Fluorophenol
Concen: 0.29 ng
RT: 5.273 min Scan# 238
Delta R.T. 0.019 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48



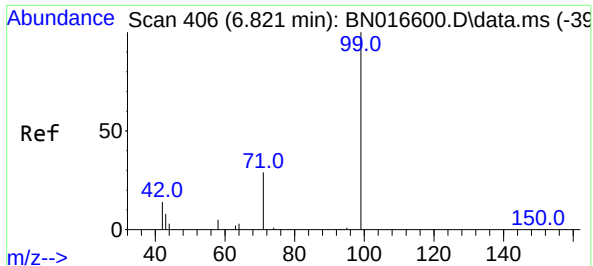
Tgt Ion:112 Resp: 19009
Ion Ratio Lower Upper
112 100
64 53.4 43.1 64.7
63 28.4 21.6 32.4



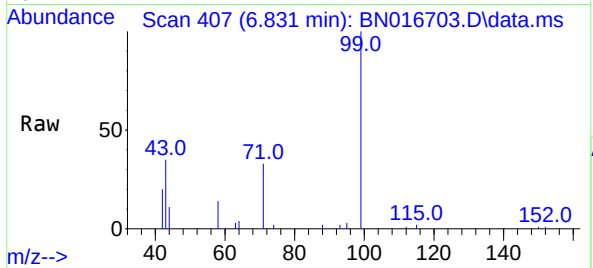
Instrument :
BNA_N
ClientSampleId :
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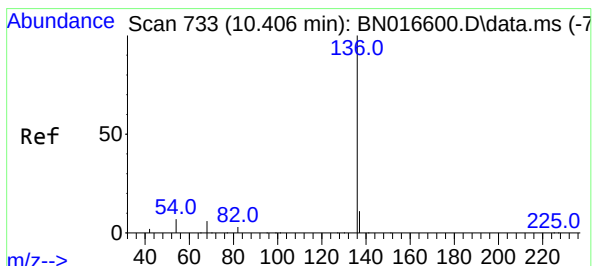
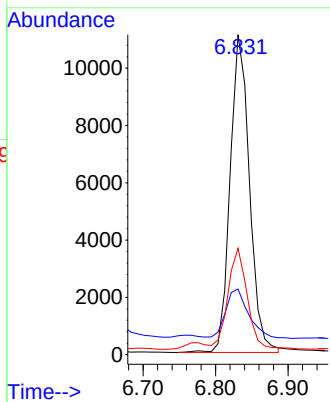
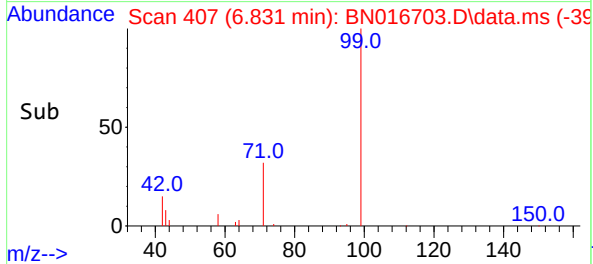


#5
Phenol-d6
Concen: 0.29 ng
RT: 6.831 min Scan# 407
Delta R.T. 0.010 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48

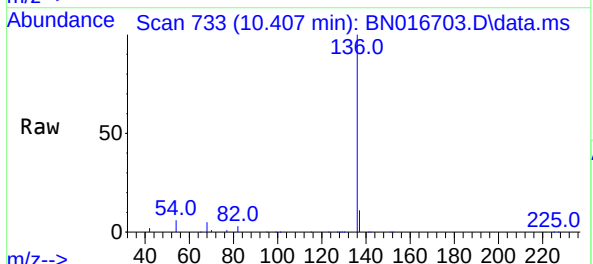


Tgt Ion: 99 Resp: 20528

Ion	Ratio	Lower	Upper
99	100		
42	17.8	13.0	19.6
71	30.4	23.5	35.3

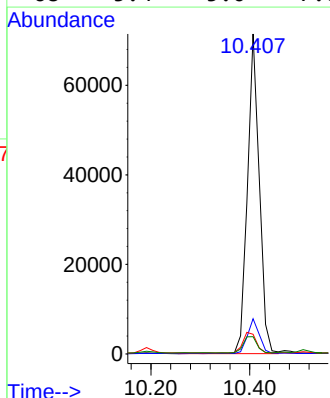
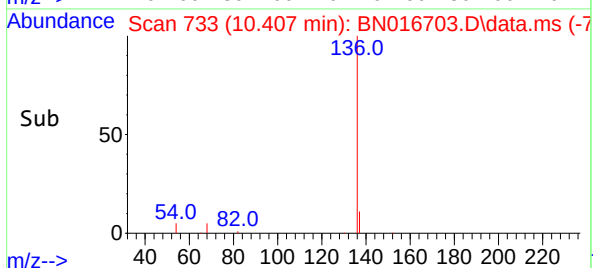


#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.407 min Scan# 733
Delta R.T. 0.000 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48



Tgt Ion: 136 Resp: 118449

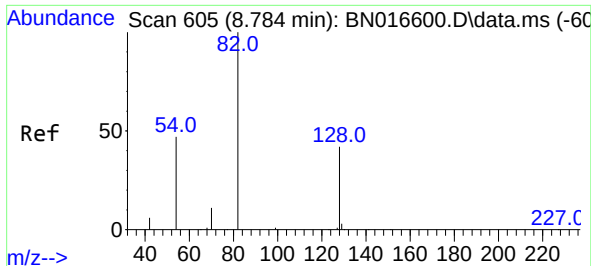
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	6.1	5.9	8.9
68	5.4	5.0	7.6



Instrument :
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ClientSampleId :
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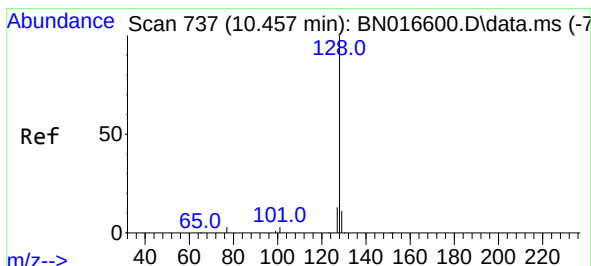
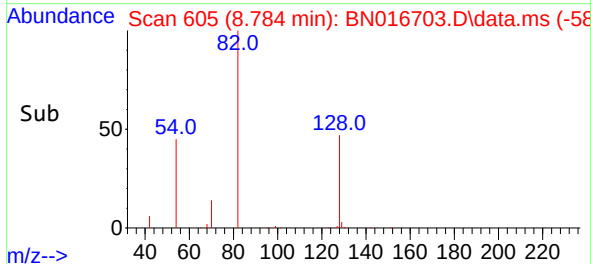
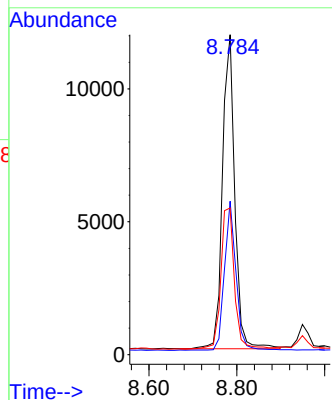
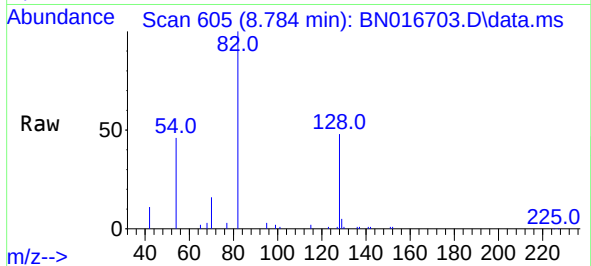
#8
Nitrobenzene-d5
Concen: 0.30 ng
RT: 8.784 min Scan# 605
Delta R.T. 0.000 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48

Tgt Ion: 82 Resp: 23048
Ion Ratio Lower Upper
82 100
128 47.9 33.6 50.4
54 45.8 37.6 56.4

Instrument :
BNA_N
ClientSampleId :
S-822-N-SO-1-1.5-092221

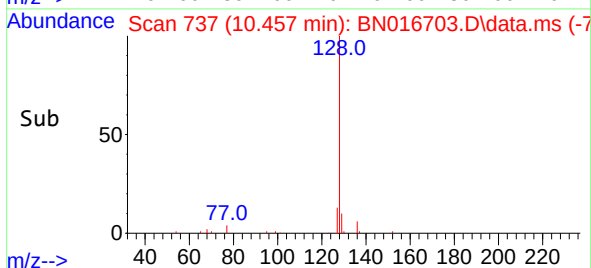
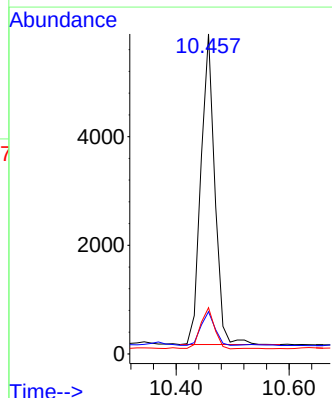
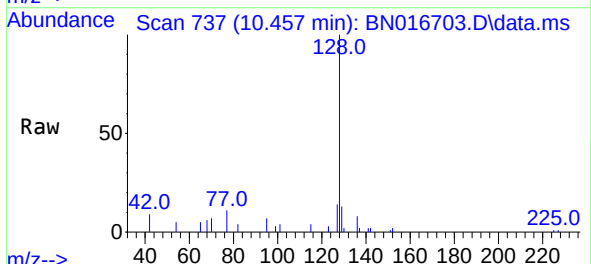
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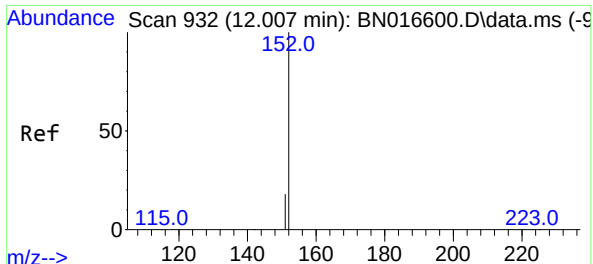
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#9
Naphthalene
Concen: 0.03 ng
RT: 10.457 min Scan# 737
Delta R.T. 0.000 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48

Tgt Ion: 128 Resp: 9772
Ion Ratio Lower Upper
128 100
129 13.2 8.8 13.2#
127 14.4 10.3 15.5





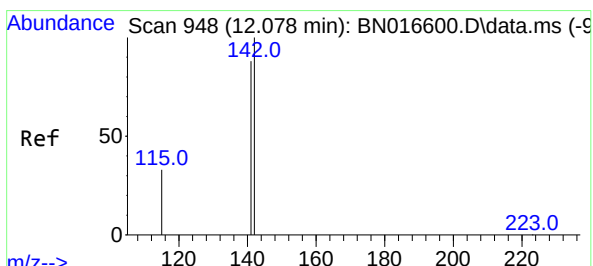
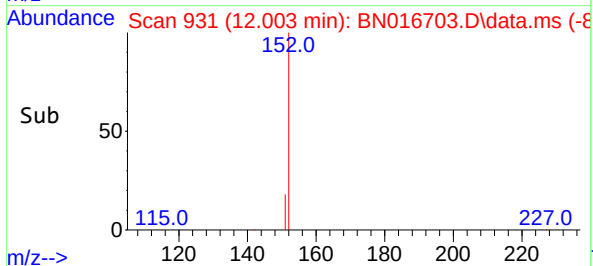
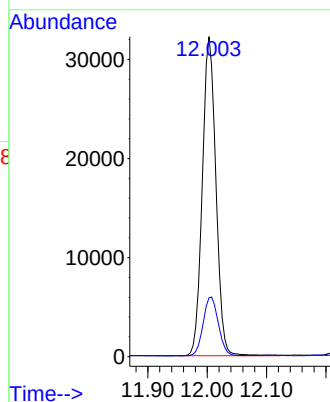
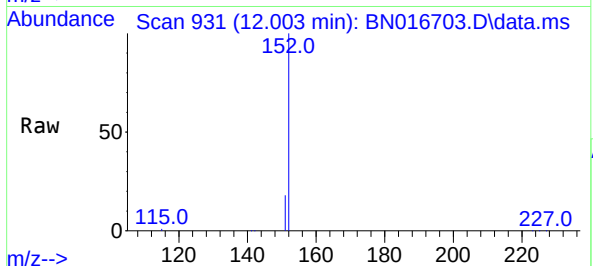
#11
2-Methylnaphthalene-d10
Concen: 0.29 ng
RT: 12.003 min Scan# 931
Delta R.T. -0.004 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48

Tgt Ion:152 Resp: 51209
Ion Ratio Lower Upper
152 100
151 20.6 16.2 24.4

Instrument :
BNA_N
ClientSampleId :
S-822-N-SO-1-1.5-092221

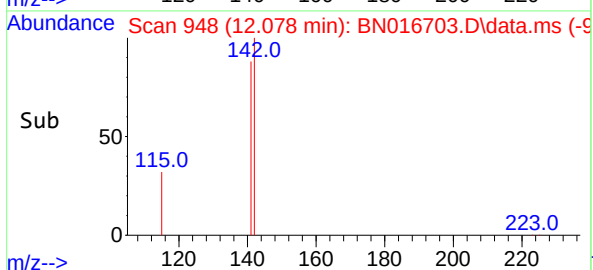
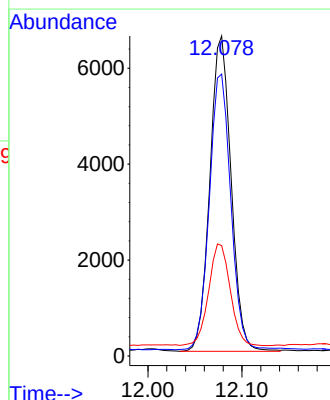
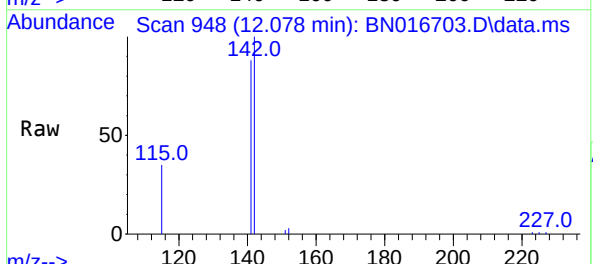
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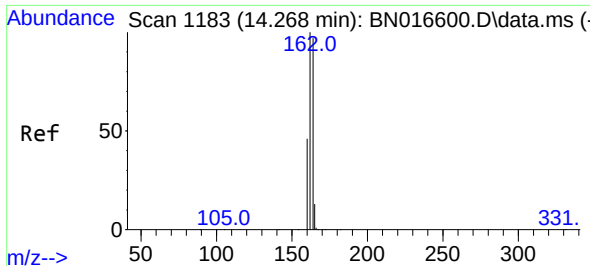
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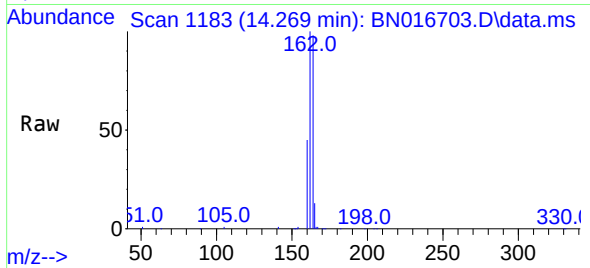
#12
2-Methylnaphthalene
Concen: 0.05 ng
RT: 12.078 min Scan# 948
Delta R.T. 0.000 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48

Tgt Ion:142 Resp: 10324
Ion Ratio Lower Upper
142 100
141 88.1 70.6 105.8
115 34.5 26.6 39.8



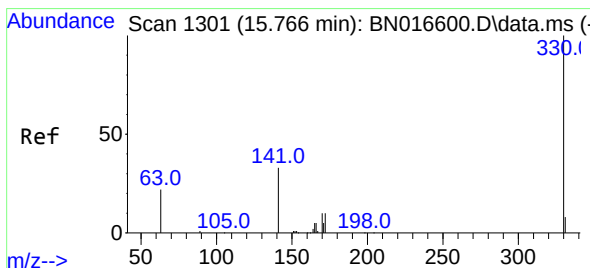
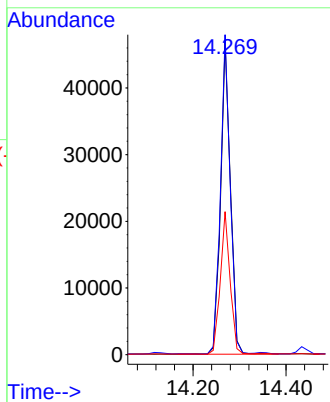
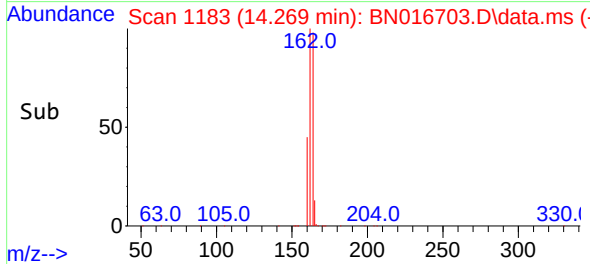


#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.269 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48

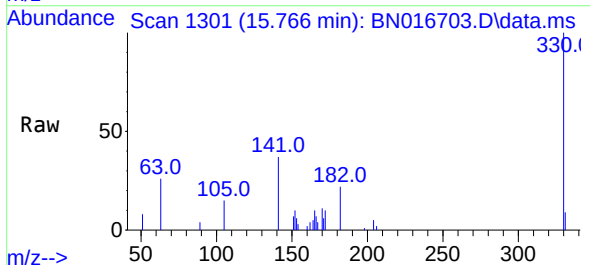


Tgt Ion:164 Resp: 68478

Ion	Ratio	Lower	Upper
164	100		
162	102.2	82.2	123.2
160	45.7	37.7	56.5

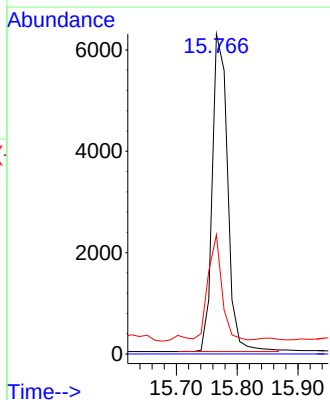
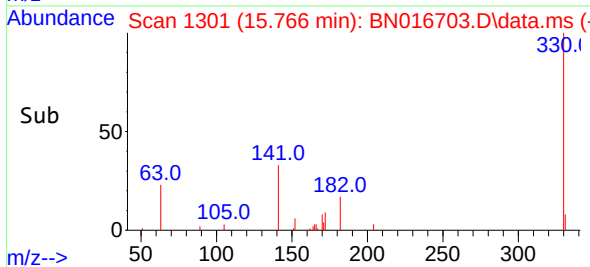


#14
2,4,6-Tribromophenol
Concen: 0.35 ng
RT: 15.766 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48



Tgt Ion:330 Resp: 10947

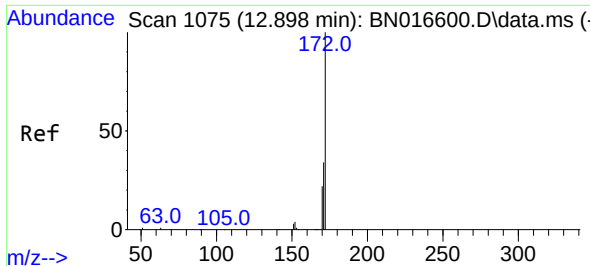
Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	30.8	25.2	37.8



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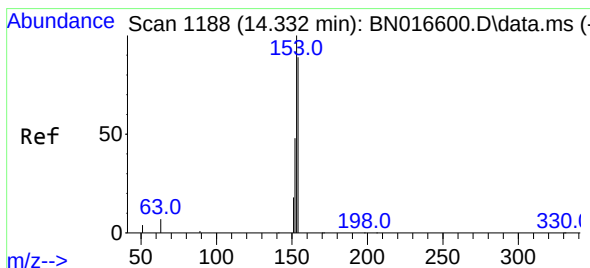
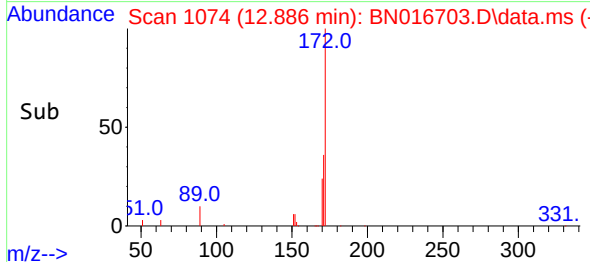
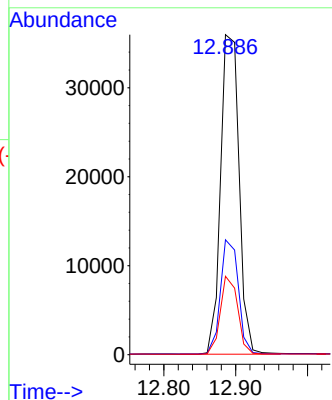
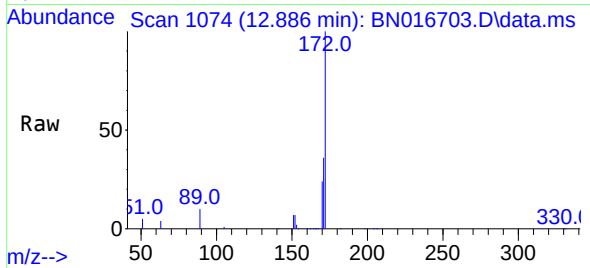
#15
2-Fluorobiphenyl
Concen: 0.23 ng
RT: 12.886 min Scan# 1074
Delta R.T. -0.012 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48

Tgt Ion:	172	Resp:	64386
Ion Ratio	Lower	Upper	
172	100		
171	35.9	27.0	40.4
170	24.5	17.4	26.2

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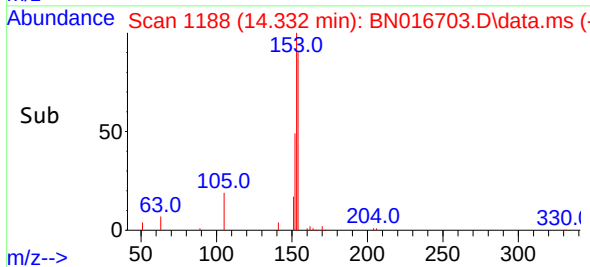
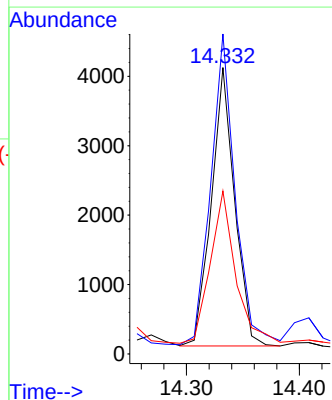
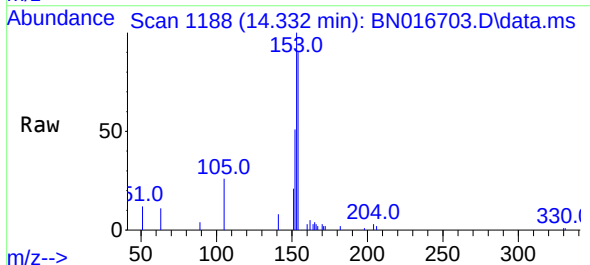
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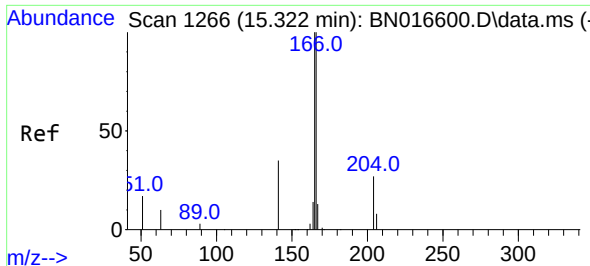
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#17
Acenaphthene
Concen: 0.03 ng
RT: 14.332 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48

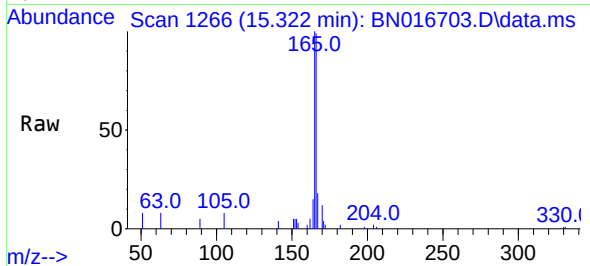
Tgt Ion:	154	Resp:	5757
Ion Ratio	Lower	Upper	
154	100		
153	116.2	90.2	135.2
152	59.4	44.0	66.0





#18
Fluorene
Concen: 0.04 ng m
RT: 15.322 min Scan# 1266
Delta R.T. 0.000 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48

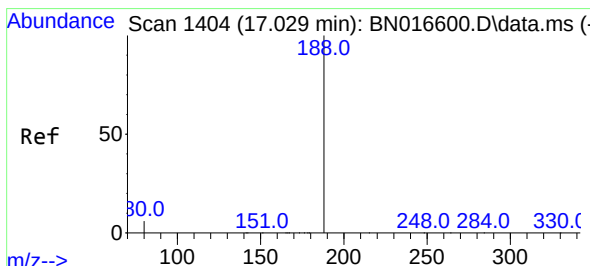
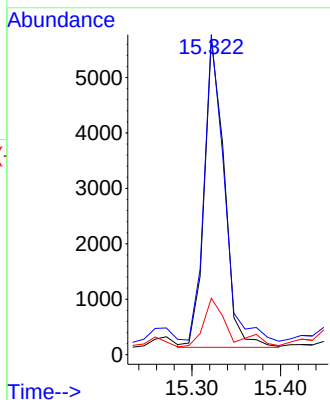
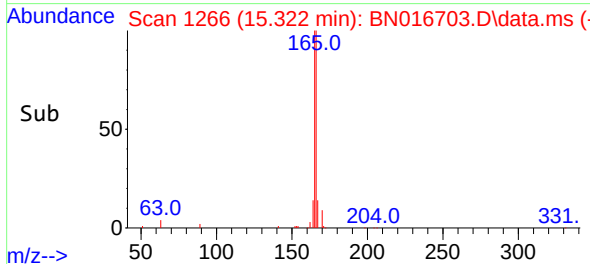
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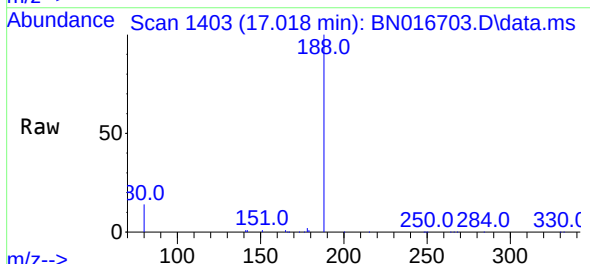
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Ion Ratio Lower Upper
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165 99.4 77.9 116.9
167 19.6 10.7 16.1#

Manual Integrations
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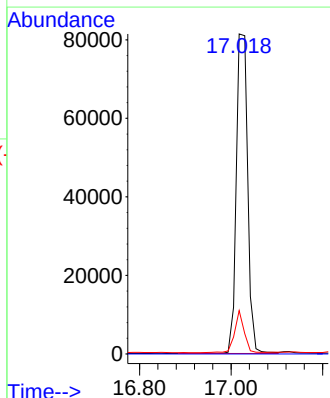
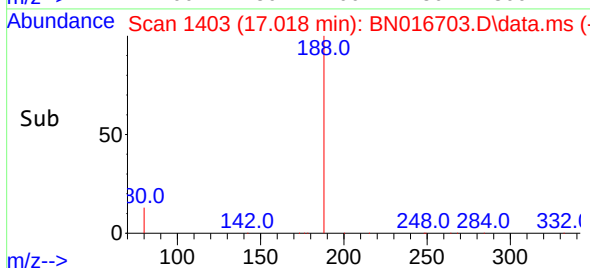
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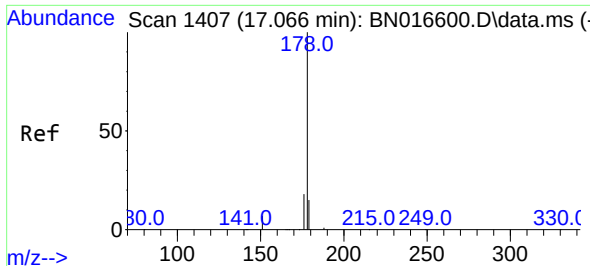


#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.018 min Scan# 1403
Delta R.T. -0.012 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48



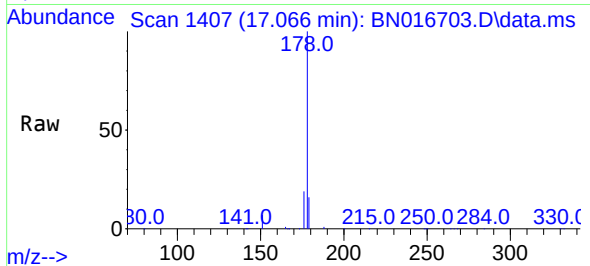
Tgt Ion:188 Resp: 139917
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.6 5.0 7.6#





#25
Phenanthrene
Concen: 0.35 ng m
RT: 17.066 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48

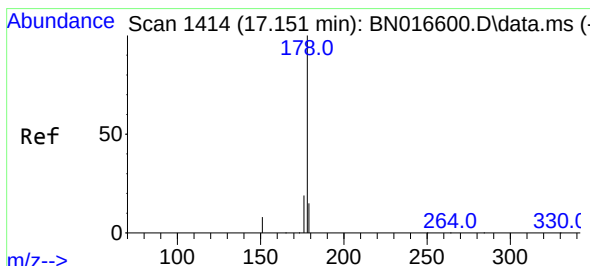
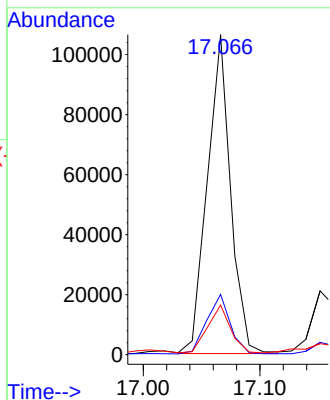
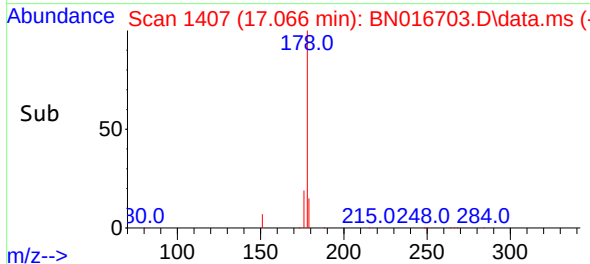
Instrument :
BNA_N
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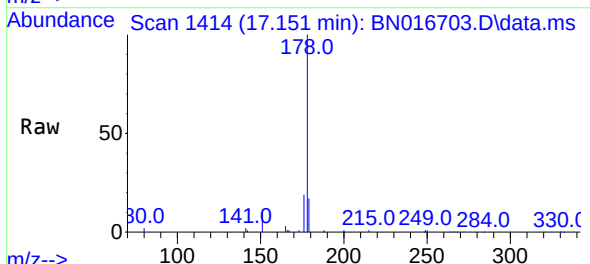
Tgt Ion:178 Resp: 147120
Ion Ratio Lower Upper
178 100
176 19.3 15.0 22.4
179 14.7 12.2 18.4

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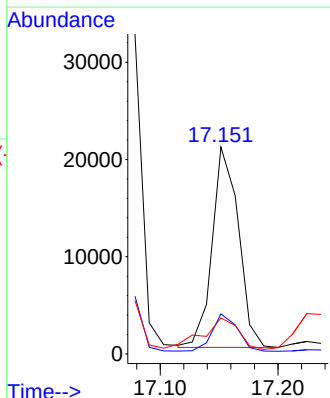
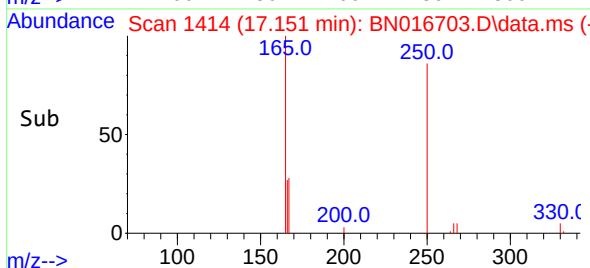
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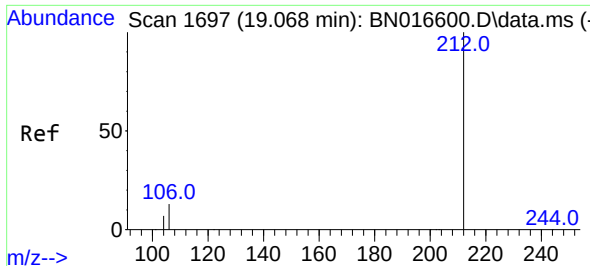


#26
Anthracene
Concen: 0.09 ng
RT: 17.151 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48

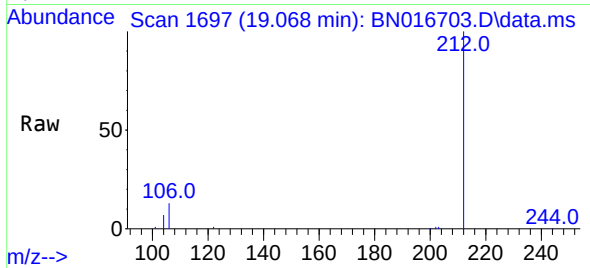


Tgt Ion:178 Resp: 31905
Ion Ratio Lower Upper
178 100
176 18.0 14.6 21.8
179 21.5 12.2 18.4#

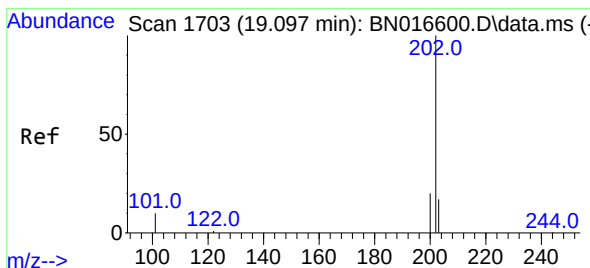
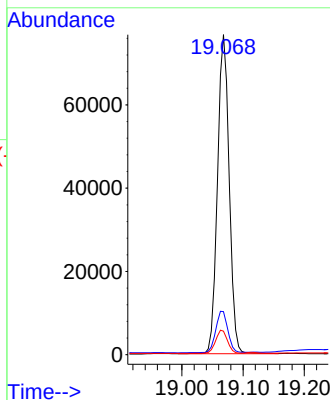
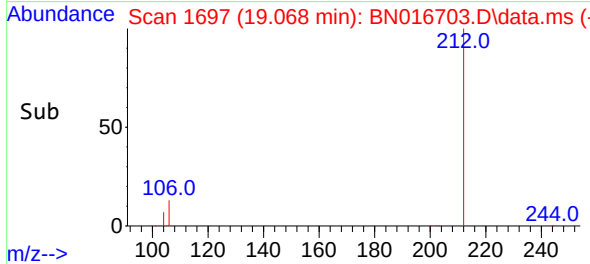




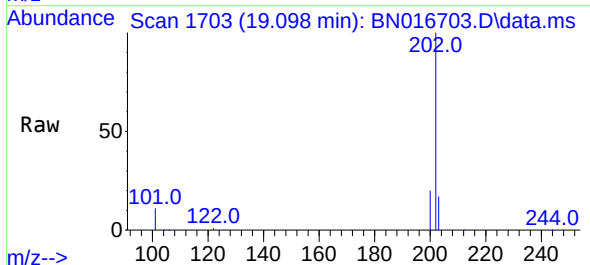
#27
Fluoranthene-d10
Concen: 0.27 ng
RT: 19.068 min Scan# 1697
Delta R.T. 0.000 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48



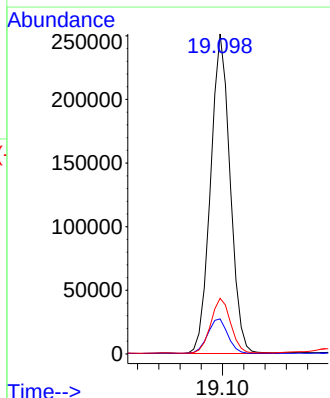
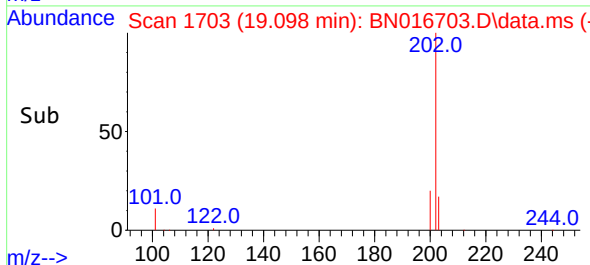
Tgt Ion:212 Resp: 101664
Ion Ratio Lower Upper
212 100
106 13.6 10.6 16.0
104 7.4 5.9 8.9



#28
Fluoranthene
Concen: 0.71 ng
RT: 19.098 min Scan# 1703
Delta R.T. 0.000 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48



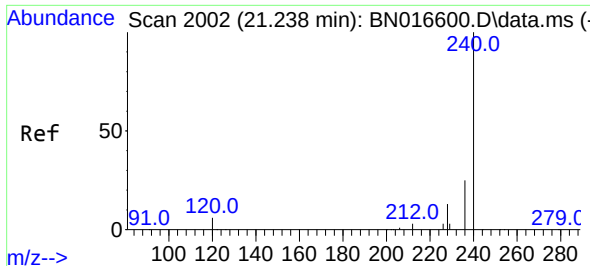
Tgt Ion:202 Resp: 320564
Ion Ratio Lower Upper
202 100
101 11.0 9.0 13.4
203 17.5 13.8 20.6



Instrument :
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ClientSampleId :
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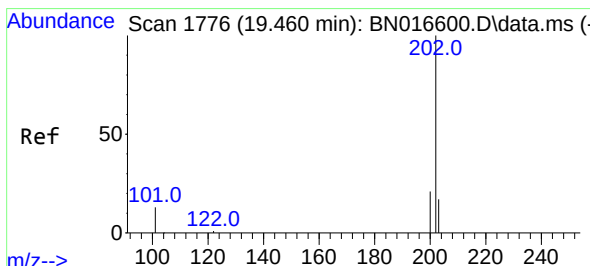
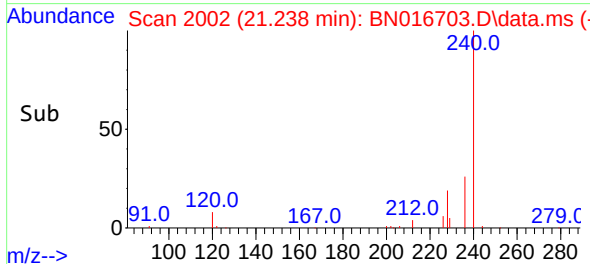
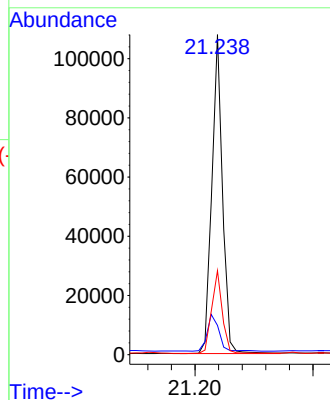
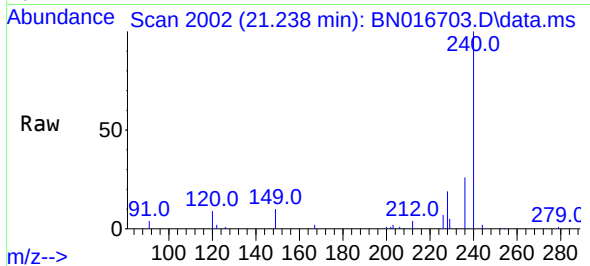
#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48

Tgt Ion:240 Resp: 135231
Ion Ratio Lower Upper
240 100
120 9.1 5.0 7.4#
236 26.3 20.4 30.6

Instrument :
BNA_N
ClientSampleId :
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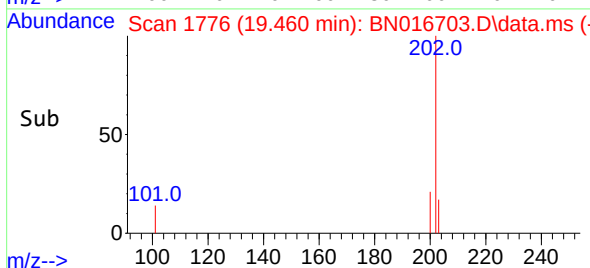
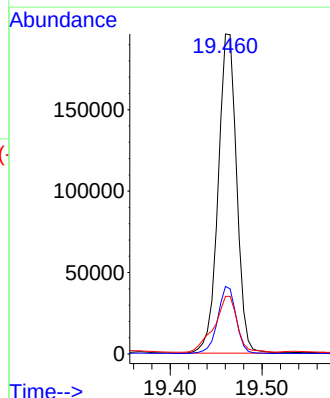
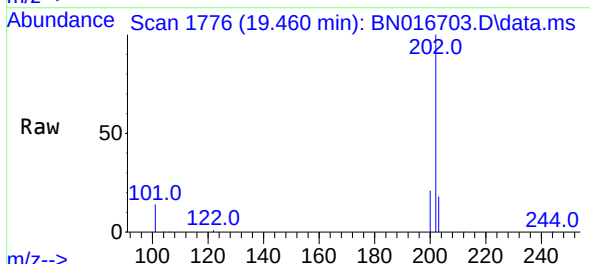
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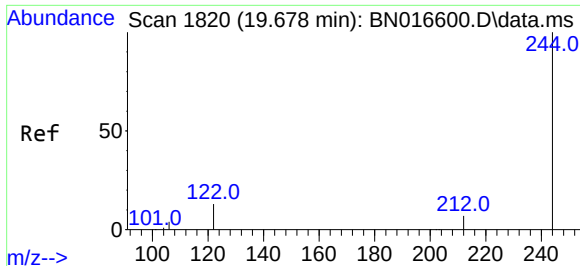
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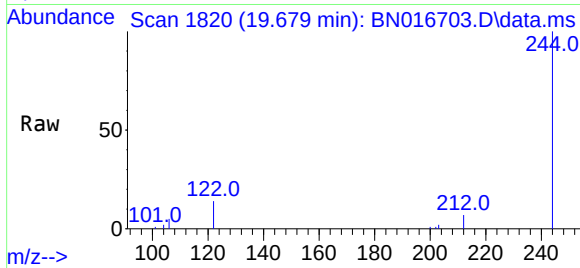
#30
Pyrene
Concen: 0.63 ng
RT: 19.460 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48

Tgt Ion:202 Resp: 274304
Ion Ratio Lower Upper
202 100
200 20.7 16.5 24.7
203 21.6 14.0 21.0#

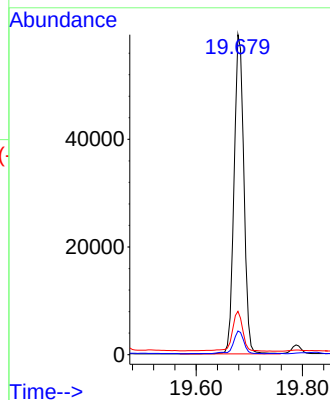
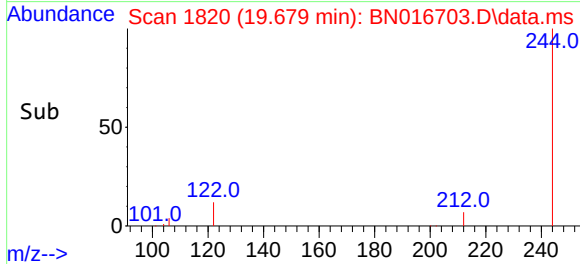




#31
Terphenyl-d14
Concen: 0.26 ng
RT: 19.679 min Scan# 1820
Delta R.T. 0.000 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48



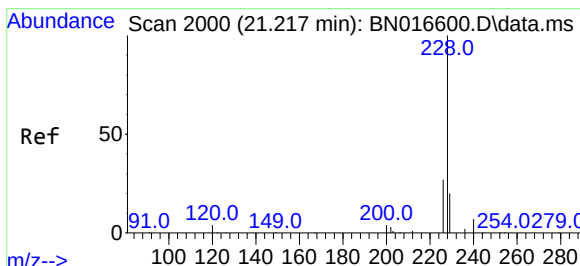
Tgt Ion:244 Resp: 76304
Ion Ratio Lower Upper
244 100
212 7.4 6.0 9.0
122 13.5 10.1 15.1



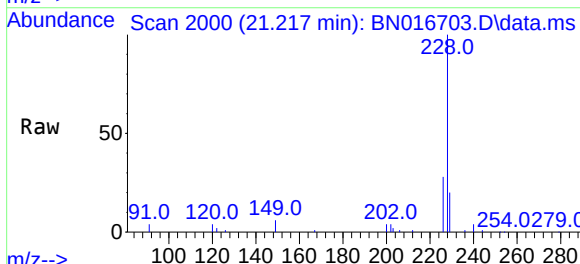
Instrument :
BNA_N
ClientSampleId :
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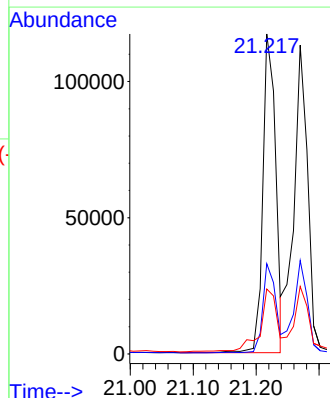
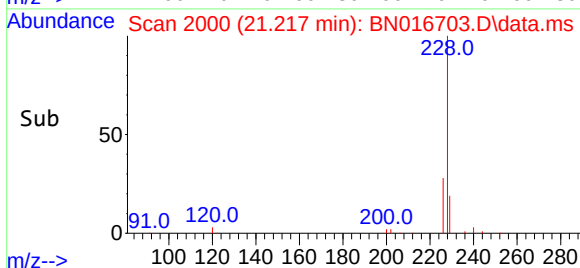
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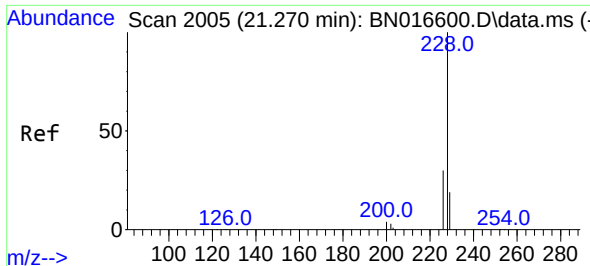


#32
Benzo(a)anthracene
Concen: 0.40 ng
RT: 21.217 min Scan# 2000
Delta R.T. 0.000 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48

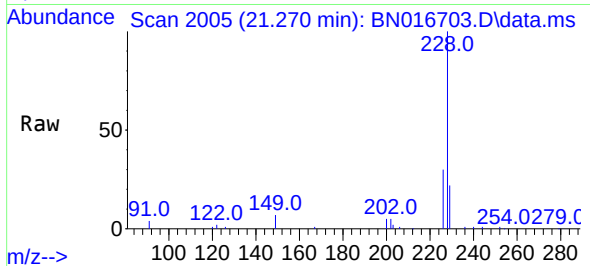


Tgt Ion:228 Resp: 166868
Ion Ratio Lower Upper
228 100
226 28.2 21.9 32.9
229 20.3 15.7 23.5

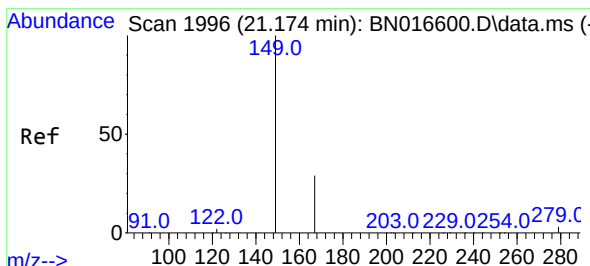
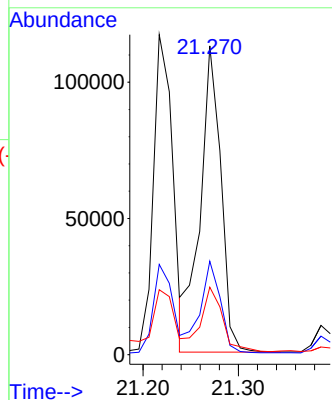
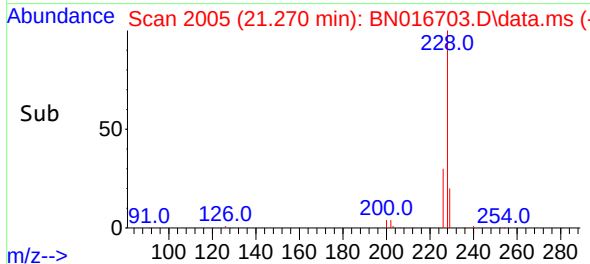




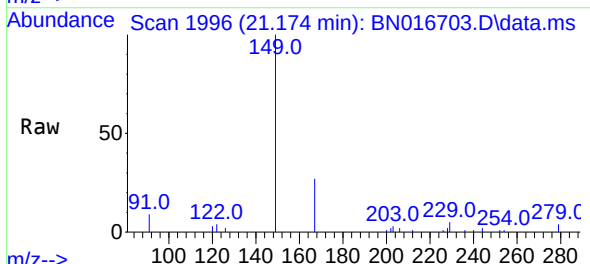
#33
Chrysene
Concen: 0.41 ng m
RT: 21.270 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48



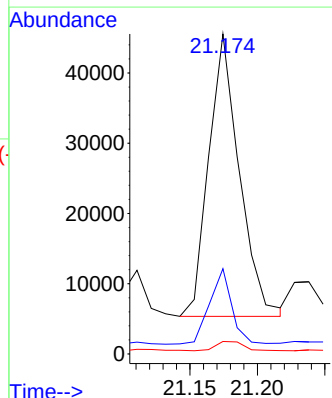
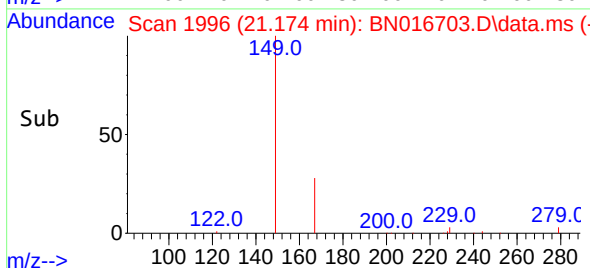
Tgt Ion: 228 Resp: 170308
Ion Ratio Lower Upper
228 100
226 30.2 23.7 35.5
229 21.8 15.5 23.3



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.38 ng
RT: 21.174 min Scan# 1996
Delta R.T. 0.000 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48



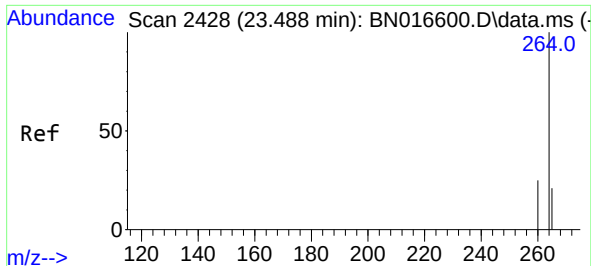
Tgt Ion: 149 Resp: 63482
Ion Ratio Lower Upper
149 100
167 19.3 22.2 33.4#
279 3.1 3.2 4.8#



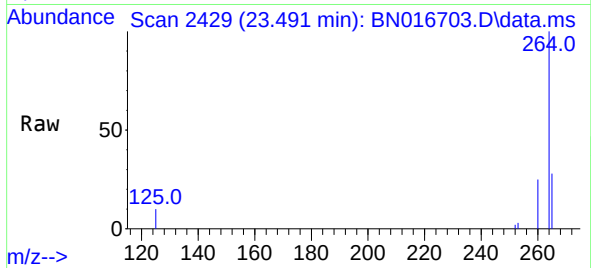
Instrument :
BNA_N
ClientSampleId :
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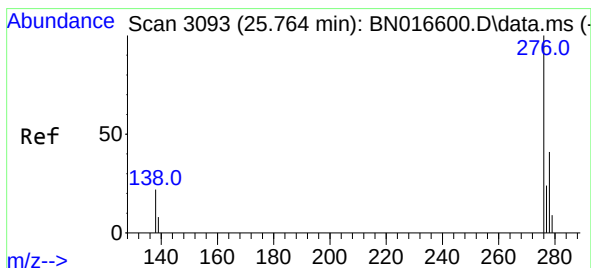
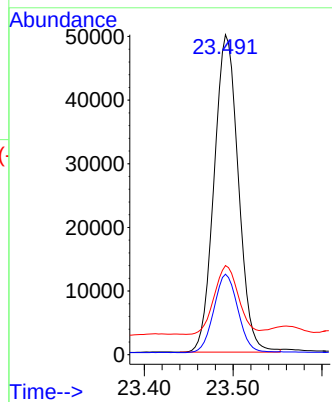
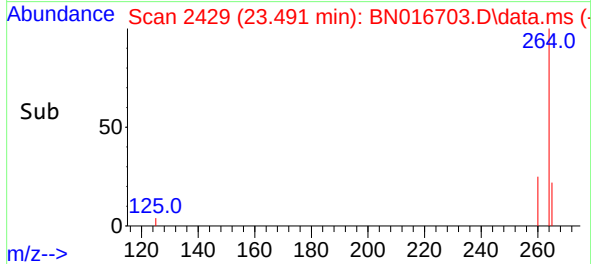
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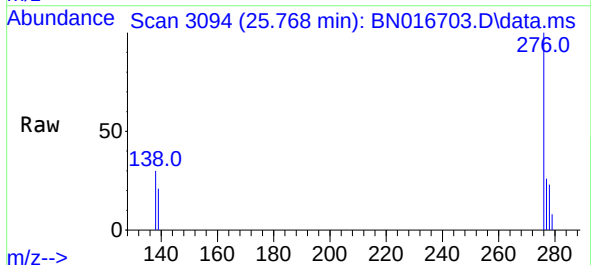
#35
Perylene-d12
Concen: 0.40 ng
RT: 23.491 min Scan# 2429
Delta R.T. 0.004 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48



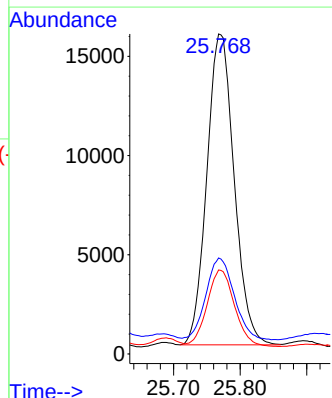
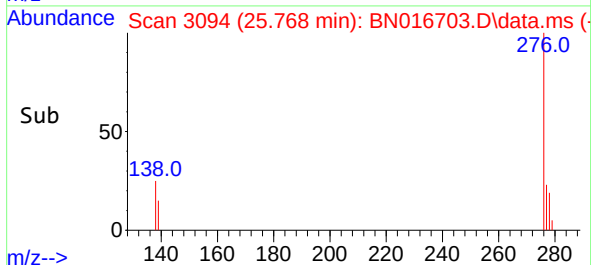
Tgt Ion:264 Resp: 94513
Ion Ratio Lower Upper
264 100
260 25.1 19.9 29.9
265 27.8 19.2 28.8



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.13 ng
RT: 25.768 min Scan# 3094
Delta R.T. 0.004 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48



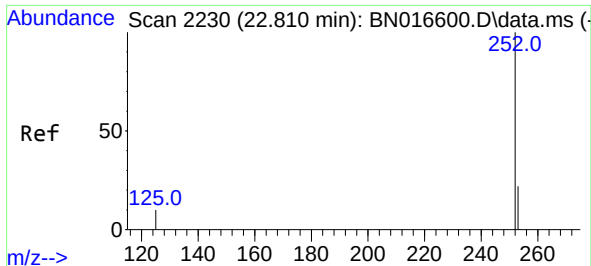
Tgt Ion:276 Resp: 44628
Ion Ratio Lower Upper
276 100
138 27.1 19.5 29.3
277 24.8 19.9 29.9



Instrument :
BNA_N
ClientSampleId :
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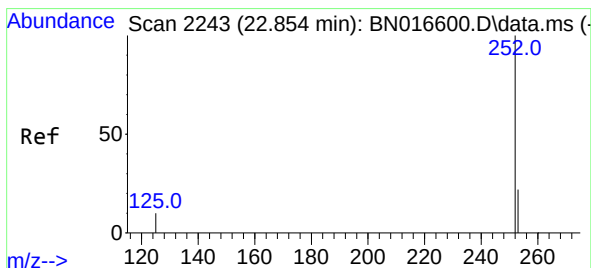
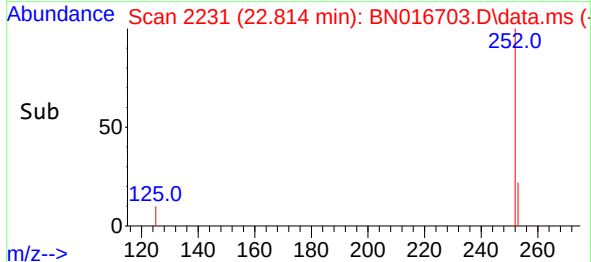
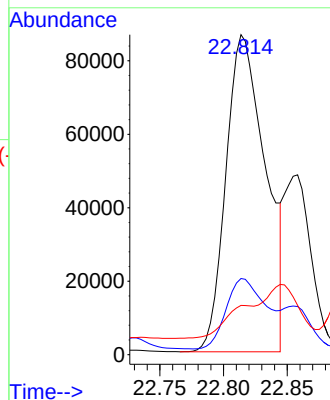
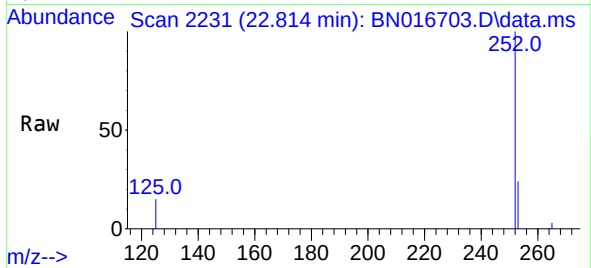
#37
Benzo(b)fluoranthene
Concen: 0.62 ng
RT: 22.814 min Scan# 2231
Delta R.T. 0.004 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48

Tgt Ion:252 Resp: 186795
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.8
125 15.4 8.0 12.0#

Instrument :
BNA_N
ClientSampleId :
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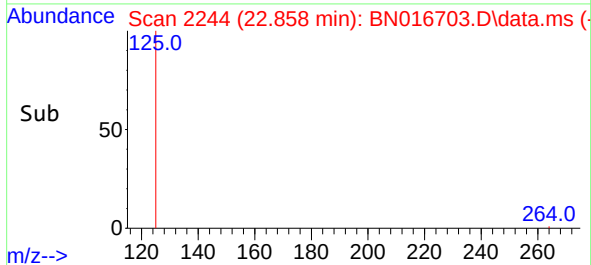
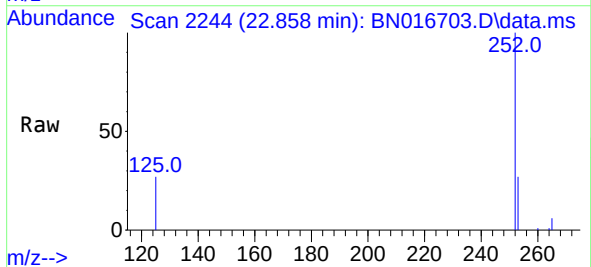
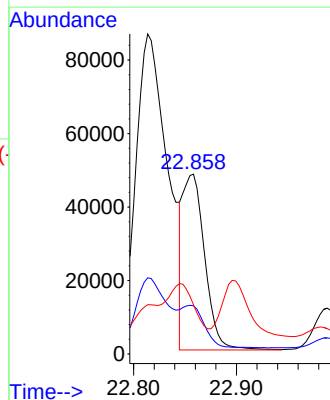
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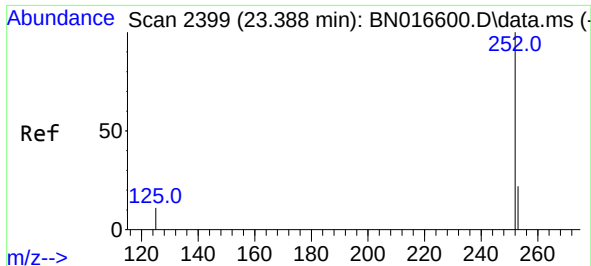
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#38
Benzo(k)fluoranthene
Concen: 0.24 ng m
RT: 22.858 min Scan# 2244
Delta R.T. 0.004 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48

Tgt Ion:252 Resp: 70747
Ion Ratio Lower Upper
252 100
253 26.8 17.8 26.6#
125 27.4 8.0 12.0#





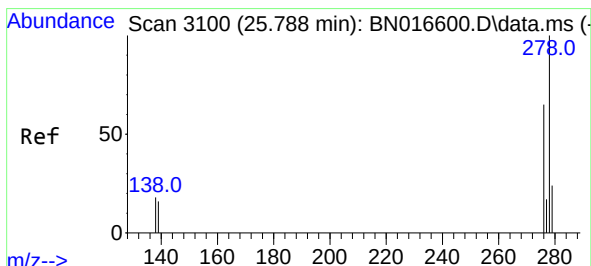
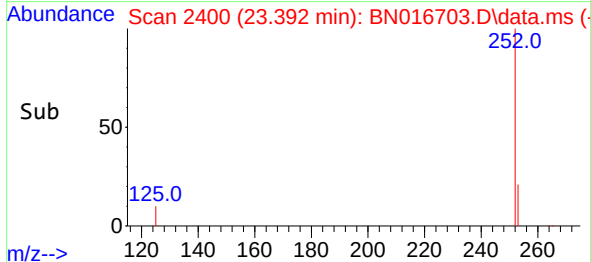
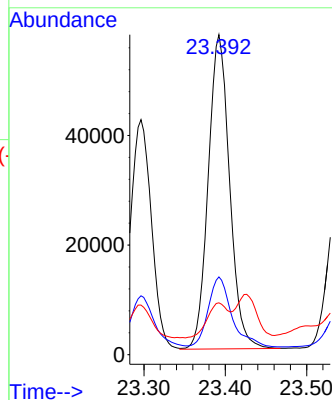
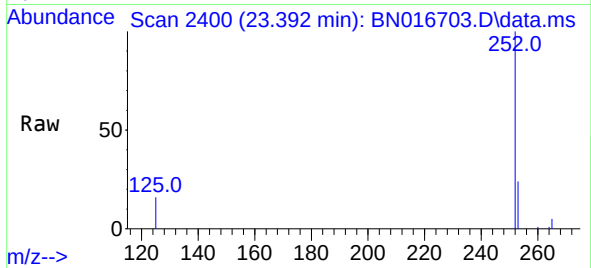
#39
Benzo(a)pyrene
Concen: 0.39 ng
RT: 23.392 min Scan# 2400
Delta R.T. 0.004 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48

Tgt Ion:252 Resp: 104555
Ion Ratio Lower Upper
252 100
253 24.3 17.8 26.8
125 16.2 9.0 13.4#

Instrument :
BNA_N
ClientSampleId :
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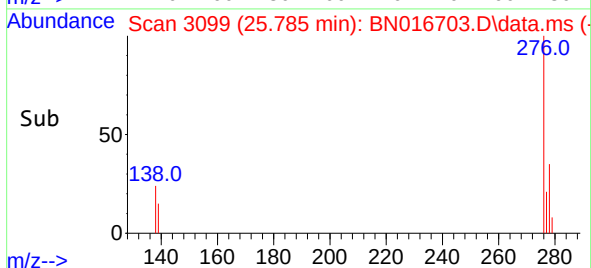
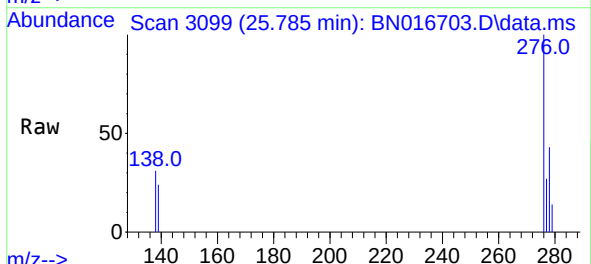
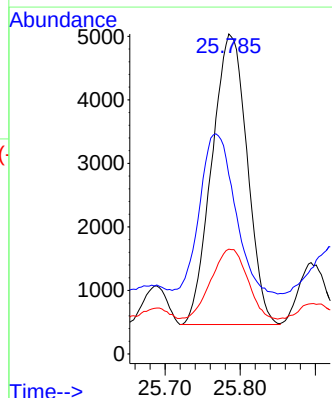
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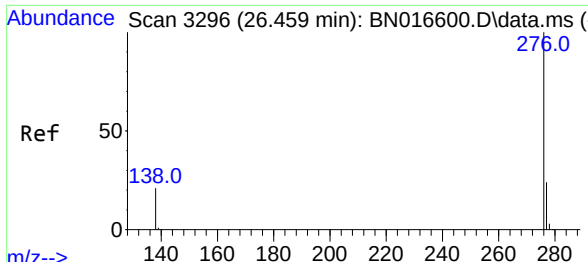
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#40
Dibenzo(a,h)anthracene
Concen: 0.05 ng
RT: 25.785 min Scan# 3099
Delta R.T. -0.003 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48

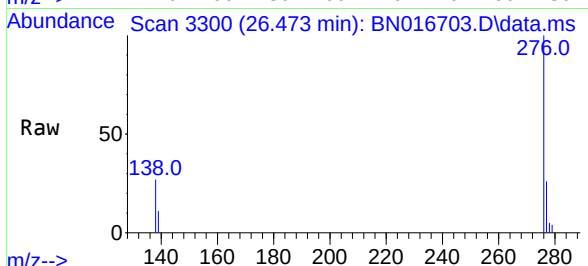
Tgt Ion:278 Resp: 14895
Ion Ratio Lower Upper
278 100
139 56.0 13.1 19.7#
279 32.7 19.1 28.7#





#41
 Benzo(g,h,i)perylene
 Concen: 0.12 ng
 RT: 26.473 min Scan# 3300
 Delta R.T. 0.014 min
 Lab File: BN016703.D
 Acq: 03 Oct 2021 11:48

Instrument :
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Tgt Ion: 276 Resp: 35975

Ion	Ratio	Lower	Upper
276	100		
277	26.0	19.0	28.6
138	27.1	16.9	25.3#

Manual Integrations
 APPROVED

mohammad
 10/4/2021 11:49:37 AM

