

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100121\
 Data File : BN016693.D
 Acq On : 03 Oct 2021 05:48
 Operator : CG/JU
 Sample : M3892-08
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-823-N-SO-1-1.5-092221

Manual Integrations
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 10/4/2021 11:49:06 AM

Quant Time: Oct 04 03:37:05 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	33958	0.40	ng	0.00
7) Naphthalene-d8	10.406	136	153982	0.40	ng	# 0.00
13) Acenaphthene-d10	14.269	164	88066	0.40	ng	0.00
19) Phenanthrene-d10	17.017	188	171658	0.40	ng	#-0.01
29) Chrysene-d12	21.238	240	167415	0.40	ng	# 0.00
35) Perylene-d12	23.491	264	191385	0.40	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.272	112	23744	0.27	ng	0.02
5) Phenol-d6	6.831	99	24483	0.26	ng	0.00
8) Nitrobenzene-d5	8.784	82	27007	0.27	ng	0.00
11) 2-Methylnaphthalene-d10	12.003	152	67699	0.30	ng	0.00
14) 2,4,6-Tribromophenol	15.766	330	12688	0.32	ng	0.00
15) 2-Fluorobiphenyl	12.886	172	85965	0.24	ng	-0.01
27) Fluoranthene-d10	19.068	212	124835	0.27	ng	0.00
31) Terphenyl-d14	19.678	244	108292	0.30	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.457	128	15382	0.04	ng	97
12) 2-Methylnaphthalene	12.074	142	9092	0.03	ng	98
16) Acenaphthylene	13.989	152	33889	0.09	ng	98
17) Acenaphthene	14.332	154	26769	0.10	ng	98
18) Fluorene	15.322	166	33640m	0.11	ng	
24) Pentachlorophenol	16.677	266	1160	0.03	ng	97
25) Phenanthrene	17.066	178	649195m	1.26	ng	
26) Anthracene	17.151	178	273214	0.61	ng	98
28) Fluoranthene	19.097	202	5825385	10.45	ng	98
30) Pyrene	19.460	202	5378781	9.93	ng	# 92
32) Benzo(a)anthracene	21.217	228	4171265	8.12	ng	97
33) Chrysene	21.270	228	3592450	6.90	ng	96
34) Bis(2-ethylhexyl)phtha...	21.164	149	66525	0.32	ng	# 91
36) Indeno(1,2,3-cd)pyrene	25.778	276	2351581	3.44	ng	97
37) Benzo(b)fluoranthene	22.820	252	6073211	9.88	ng	97
38) Benzo(k)fluoranthene	22.858	252	2131353m	3.51	ng	
39) Benzo(a)pyrene	23.395	252	4426090	8.08	ng	98
40) Dibenzo(a,h)anthracene	25.788	278	613722	1.11	ng	# 93
41) Benzo(g,h,i)perylene	26.479	276	2105542	3.49	ng	99

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

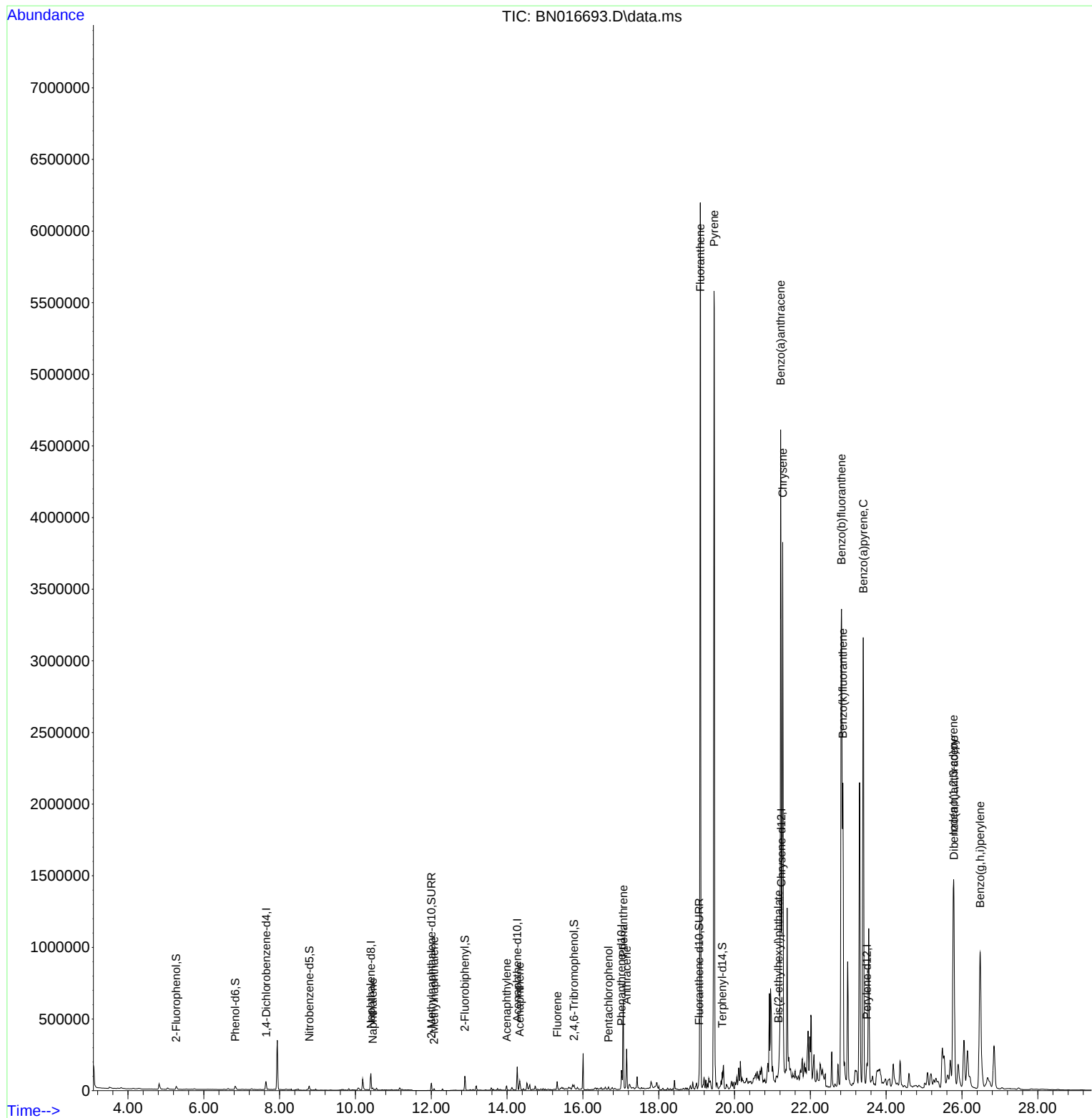
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100121\
Data File : BN016693.D
Acq On : 03 Oct 2021 05:48
Operator : CG/JU
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Misc :
ALS Vial : 61 Sample Multiplier: 1

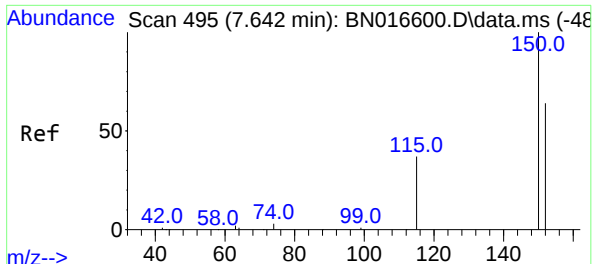
Instrument :
BNA_N
ClientSampleId :
S-823-N-SO-1-1.5-092221

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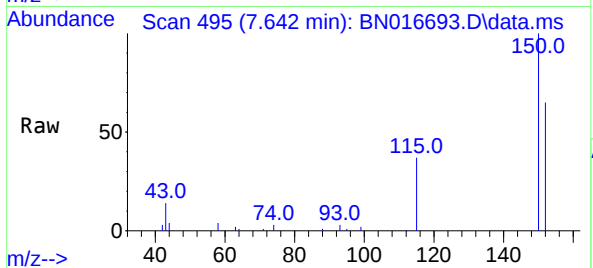
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Quant Time: Oct 04 03:37:05 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 01 13:35:26 2021
Response via : Initial Calibration

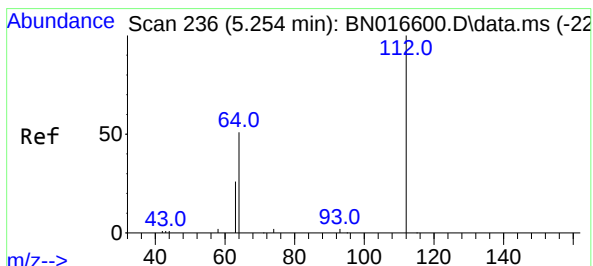
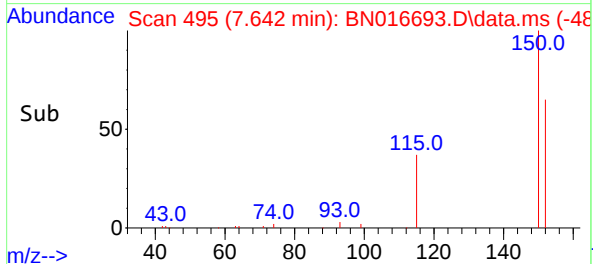
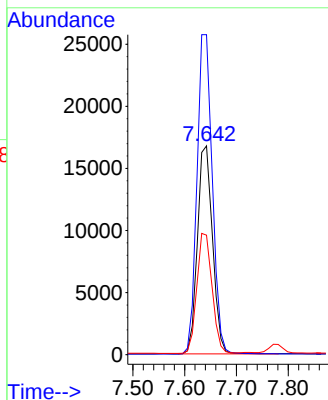




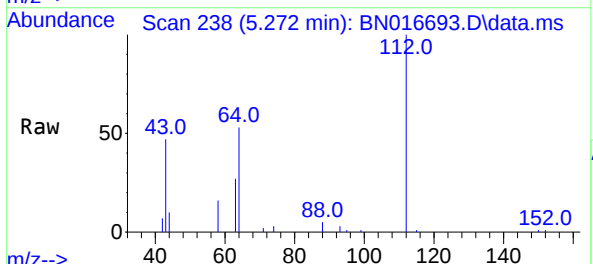
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1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.642 min Scan# 495
Delta R.T. 0.000 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48



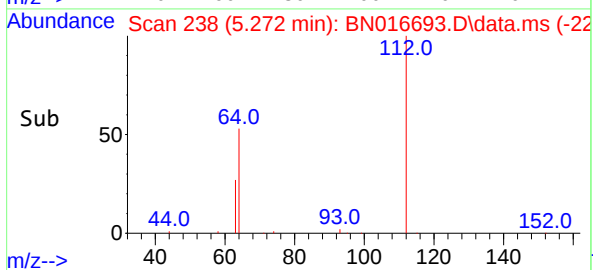
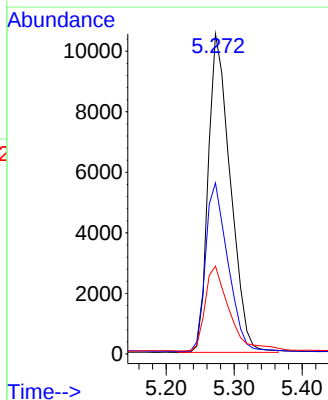
Tgt Ion:152 Resp: 33958
Ion Ratio Lower Upper
152 100
150 153.3 124.6 186.8
115 57.3 46.5 69.7



#4
2-Fluorophenol
Concen: 0.27 ng
RT: 5.272 min Scan# 238
Delta R.T. 0.019 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48



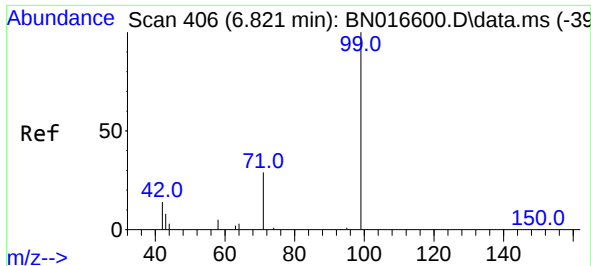
Tgt Ion:112 Resp: 23744
Ion Ratio Lower Upper
112 100
64 53.6 43.1 64.7
63 29.0 21.6 32.4



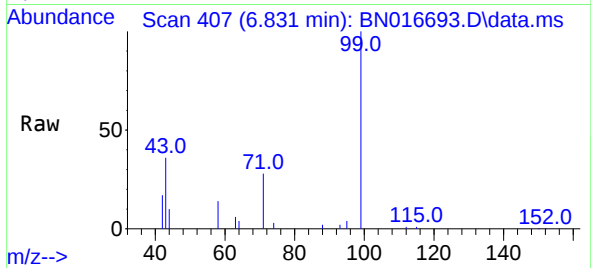
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BNA_N
ClientSampleId :
S-823-N-SO-1-1.5-092221

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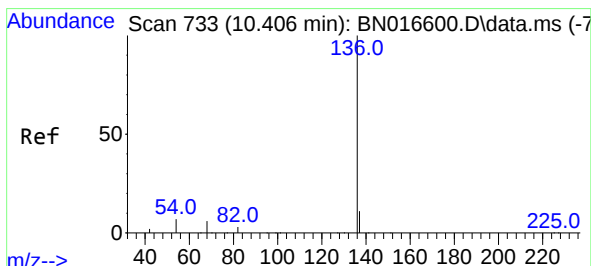
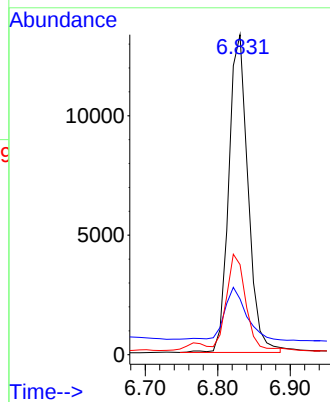
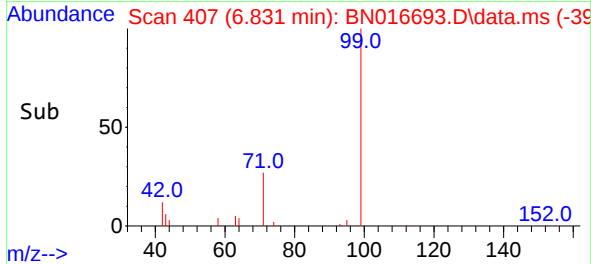
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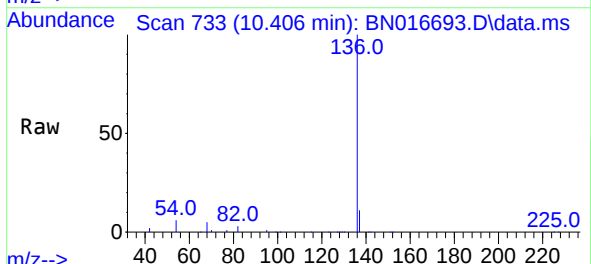
#5
Phenol-d6
Concen: 0.26 ng
RT: 6.831 min Scan# 407
Delta R.T. 0.009 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48



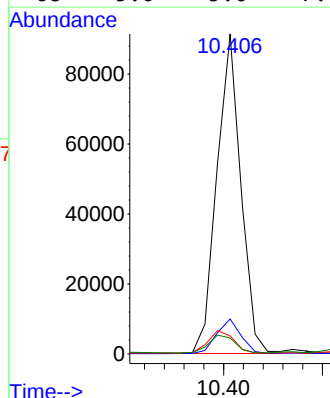
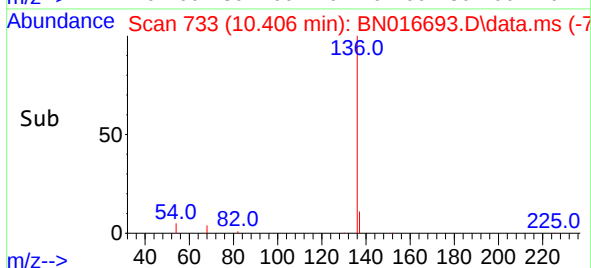
Tgt Ion: 99 Resp: 24483
Ion Ratio Lower Upper
99 100
42 18.5 13.0 19.6
71 28.7 23.5 35.3



#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.406 min Scan# 733
Delta R.T. 0.000 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48



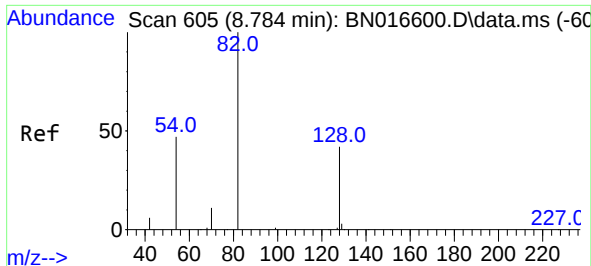
Tgt Ion: 136 Resp: 153982
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 5.7 5.9 8.9#
68 5.0 5.0 7.6#



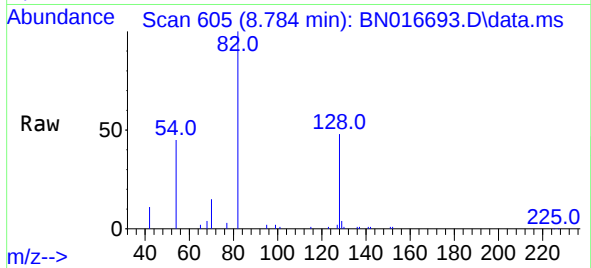
Instrument :
BNA_N
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S-823-N-SO-1-1.5-092221

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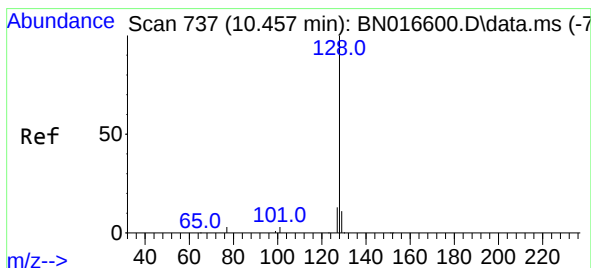
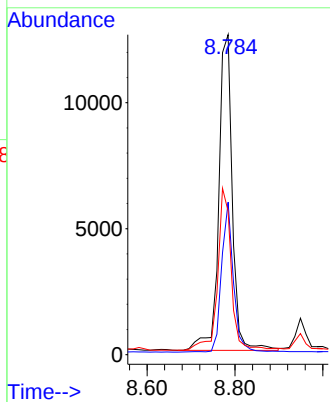
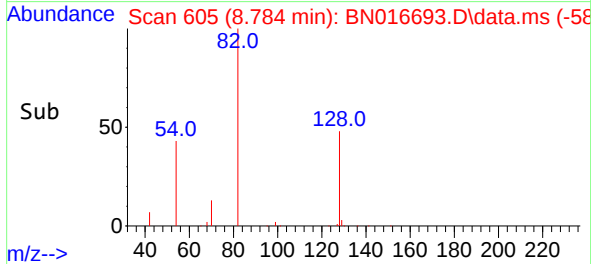
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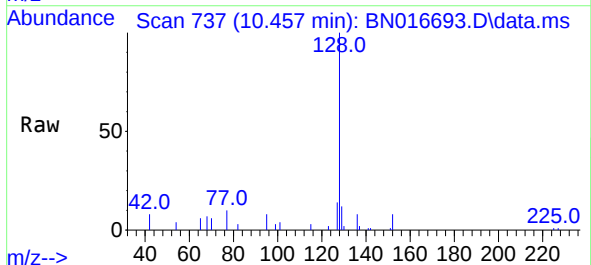
#8
Nitrobenzene-d5
Concen: 0.27 ng
RT: 8.784 min Scan# 605
Delta R.T. 0.000 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48



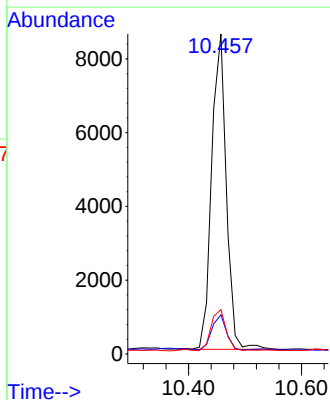
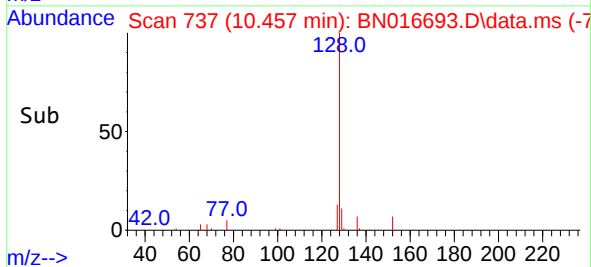
Tgt Ion: 82 Resp: 27007
Ion Ratio Lower Upper
82 100
128 47.7 33.6 50.4
54 44.8 37.6 56.4



#9
Naphthalene
Concen: 0.04 ng
RT: 10.457 min Scan# 737
Delta R.T. 0.000 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48



Tgt Ion: 128 Resp: 15382
Ion Ratio Lower Upper
128 100
129 12.2 8.8 13.2
127 13.8 10.3 15.5



Instrument :
BNA_N
ClientSampleId :
S-823-N-SO-1-1.5-092221

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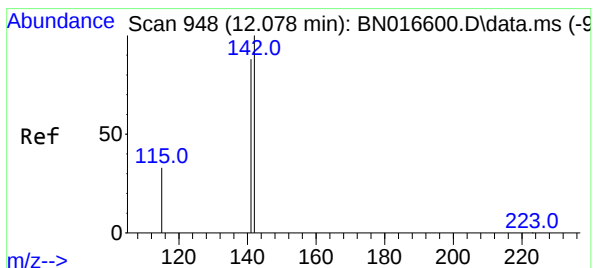
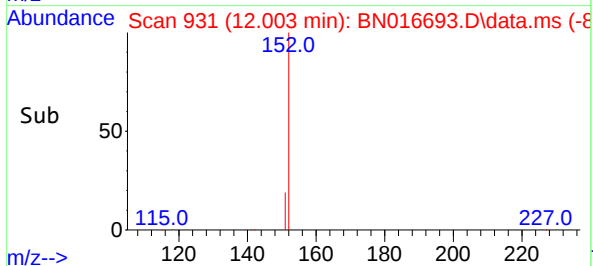
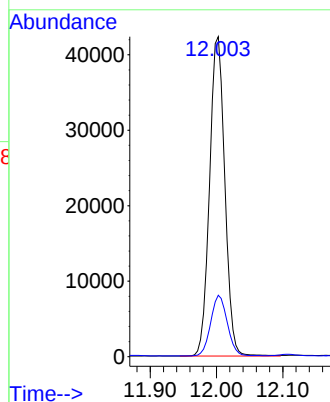
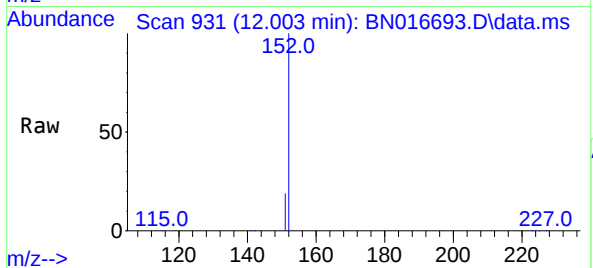
#11
2-Methylnaphthalene-d10
Concen: 0.30 ng
RT: 12.003 min Scan# 931
Delta R.T. -0.004 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

Tgt Ion:152 Resp: 67699
Ion Ratio Lower Upper
152 100
151 20.7 16.2 24.4

Instrument :
BNA_N
ClientSampleId :
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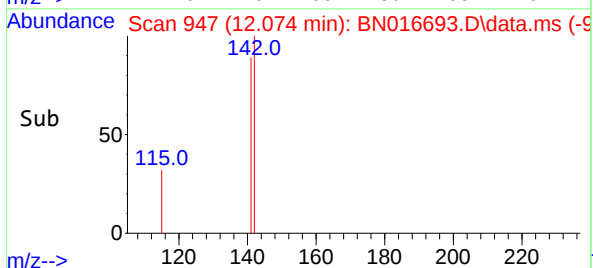
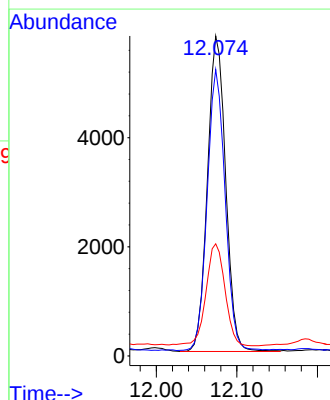
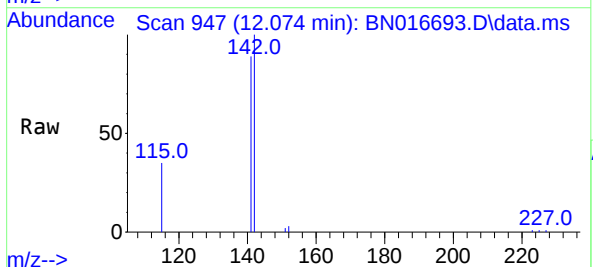
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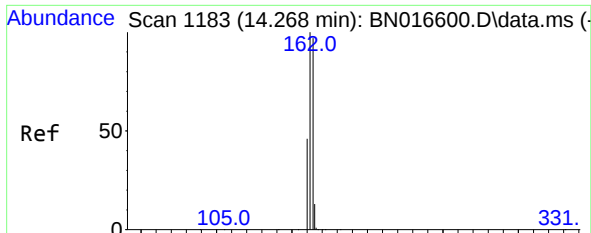
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#12
2-Methylnaphthalene
Concen: 0.03 ng
RT: 12.074 min Scan# 947
Delta R.T. -0.004 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

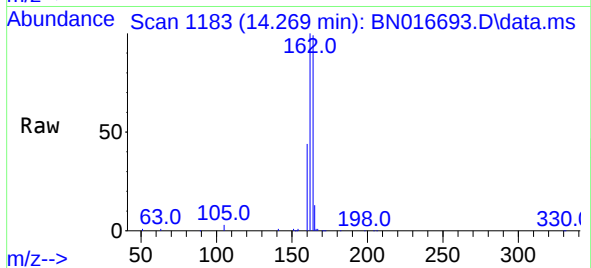
Tgt Ion:142 Resp: 9092
Ion Ratio Lower Upper
142 100
141 89.5 70.6 105.8
115 35.1 26.6 39.8





#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.269 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

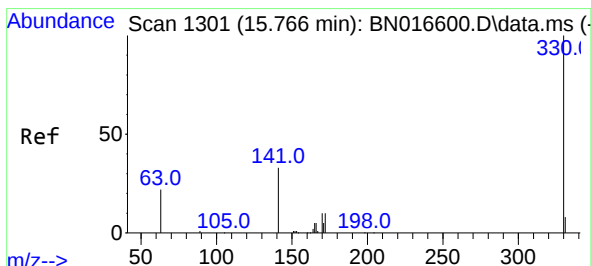
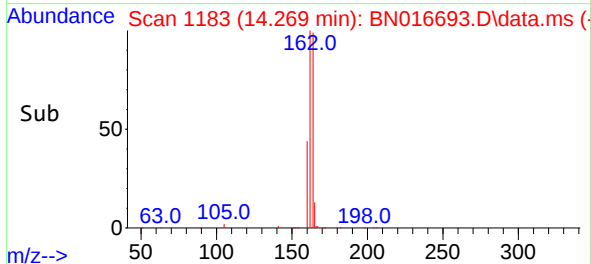
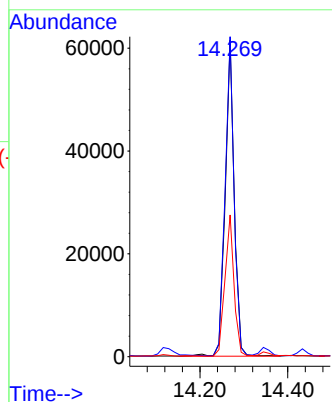
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Tgt Ion:164 Resp: 88066
Ion Ratio Lower Upper
164 100
162 101.1 82.2 123.2
160 44.8 37.7 56.5

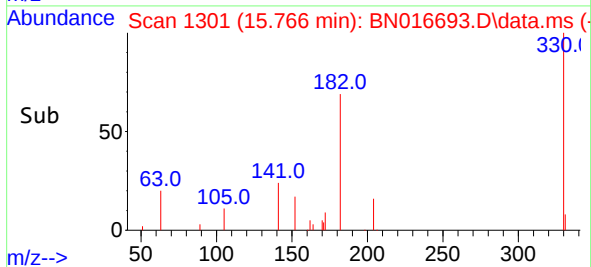
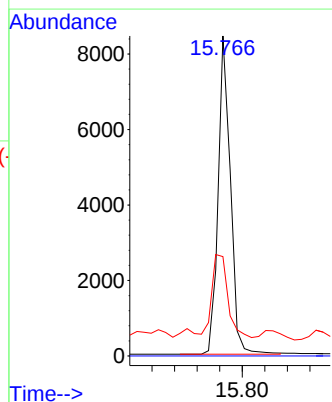
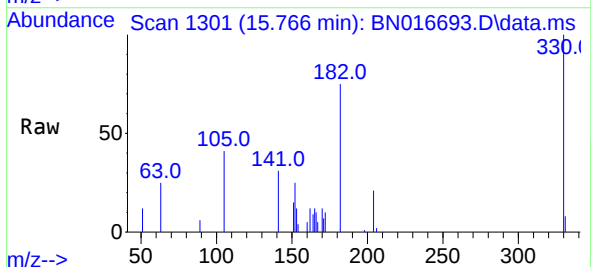
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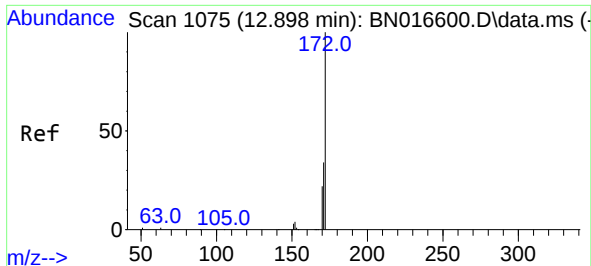
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#14
2,4,6-Tribromophenol
Concen: 0.32 ng
RT: 15.766 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

Tgt Ion:330 Resp: 12688
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 33.7 25.2 37.8





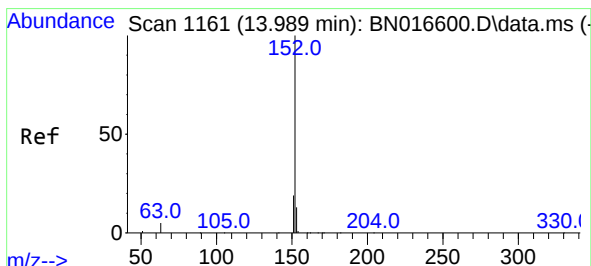
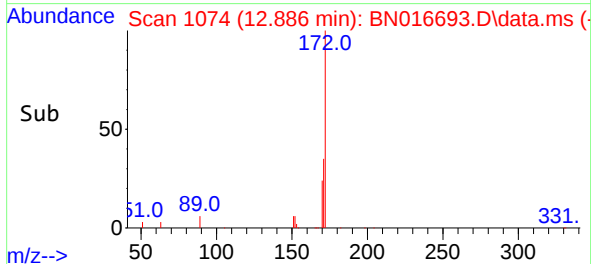
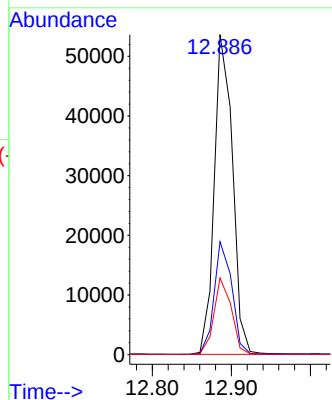
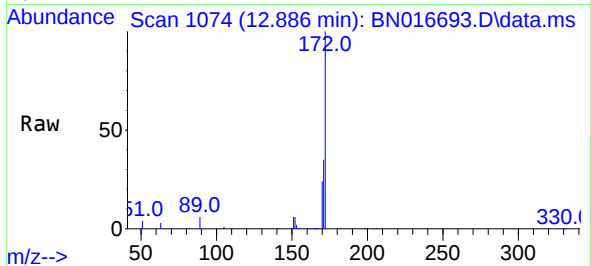
#15
2-Fluorobiphenyl
Concen: 0.24 ng
RT: 12.886 min Scan# 1074
Delta R.T. -0.013 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

Tgt Ion:	172	Resp:	85965
Ion Ratio	Lower	Upper	
172	100		
171	35.3	27.0	40.4
170	24.0	17.4	26.2

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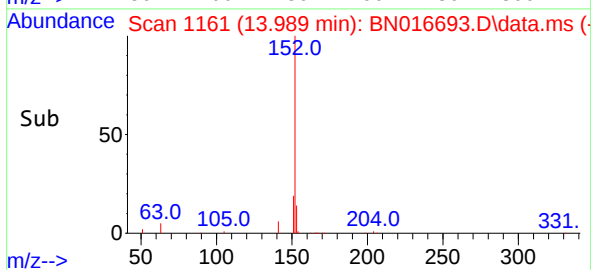
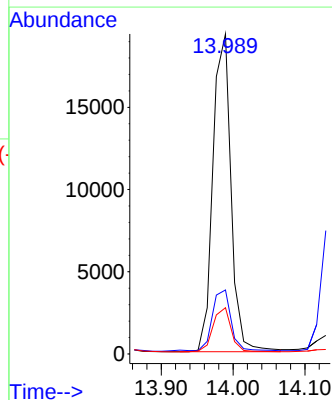
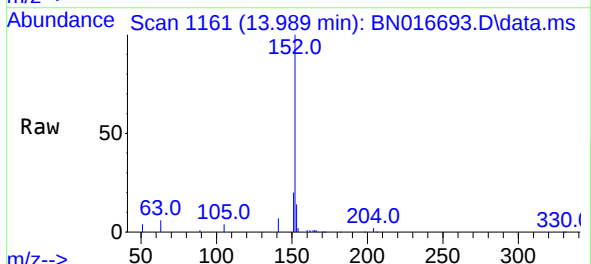
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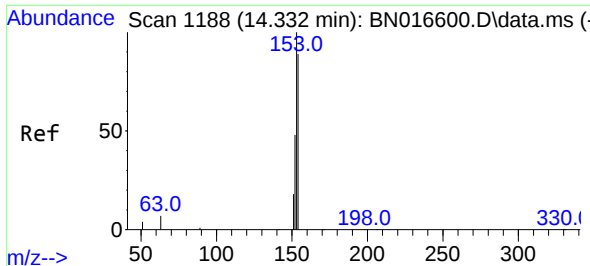
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#16
Acenaphthylene
Concen: 0.09 ng
RT: 13.989 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

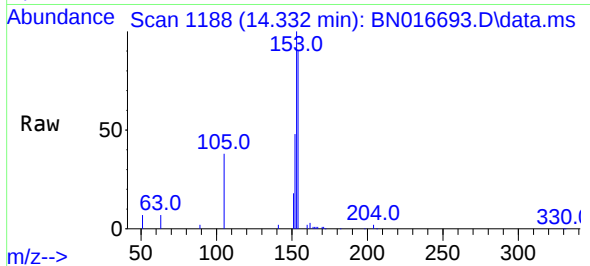
Tgt Ion:	152	Resp:	33889
Ion Ratio	Lower	Upper	
152	100		
151	20.5	15.5	23.3
153	13.9	10.4	15.6





#17
Acenaphthene
Concen: 0.10 ng
RT: 14.332 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

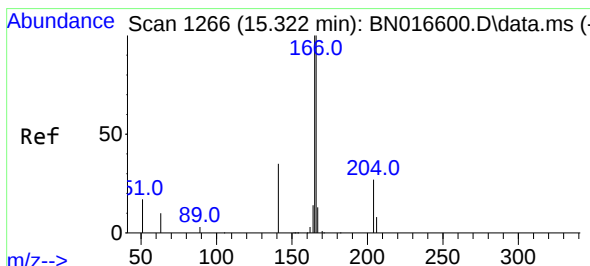
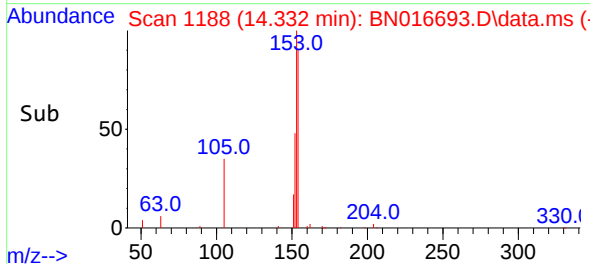
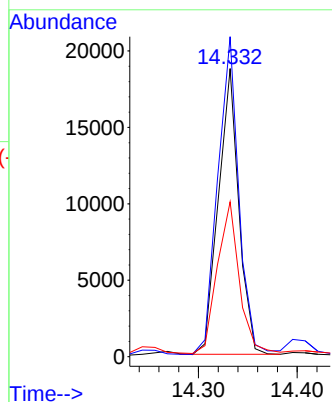
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Tgt Ion:154 Resp: 26769
Ion Ratio Lower Upper
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153 114.3 90.2 135.2
152 57.2 44.0 66.0

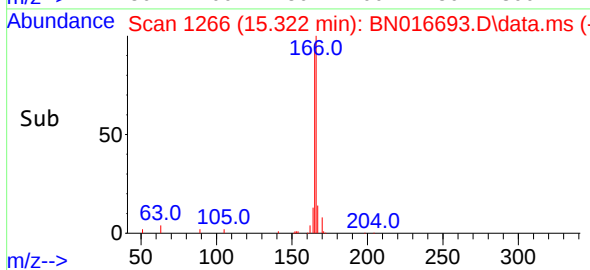
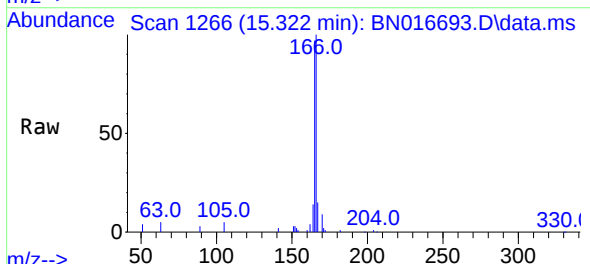
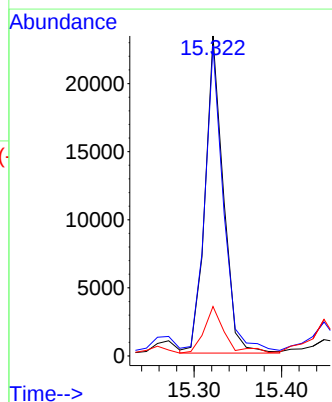
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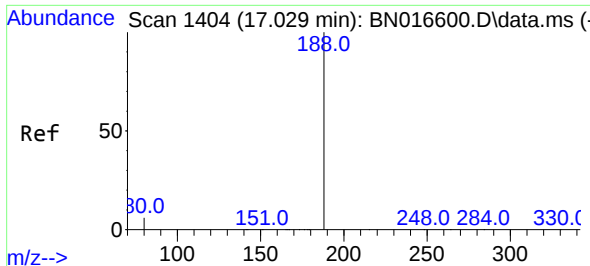
mohammad
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#18
Fluorene
Concen: 0.11 ng m
RT: 15.322 min Scan# 1266
Delta R.T. 0.000 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

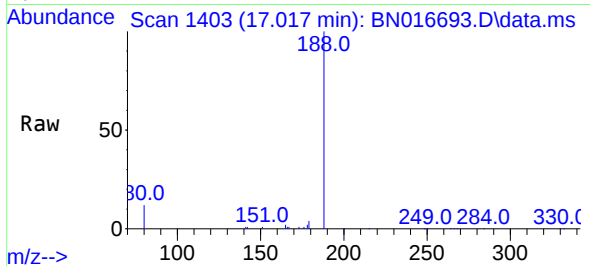
Tgt Ion:166 Resp: 33640
Ion Ratio Lower Upper
166 100
165 97.0 77.9 116.9
167 16.5 10.7 16.1#





#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.017 min Scan# 1403
Delta R.T. -0.012 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

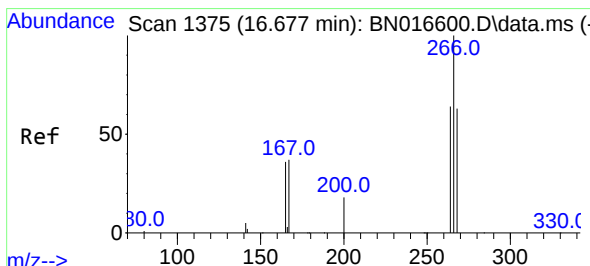
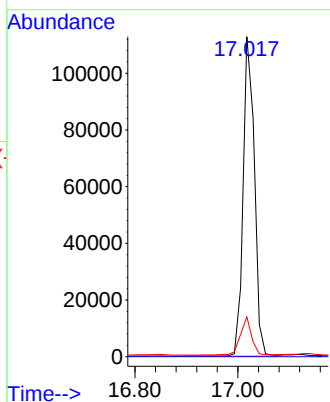
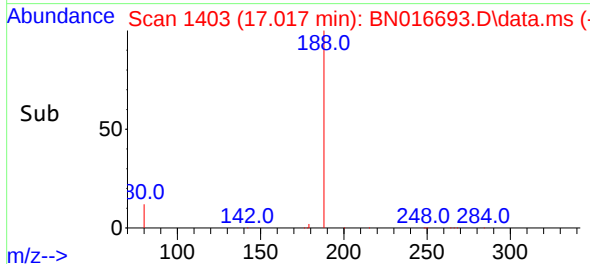
Instrument :
BNA_N
ClientSampleId :
S-823-N-SO-1-1.5-092221



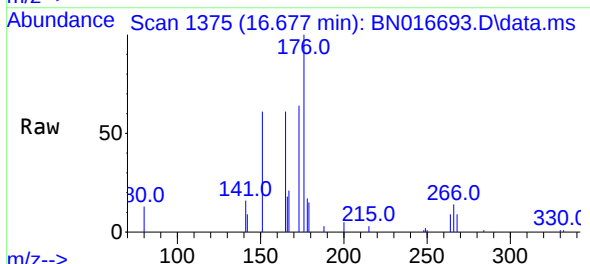
Tgt Ion:188 Resp: 171658
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.4 5.0 7.6#

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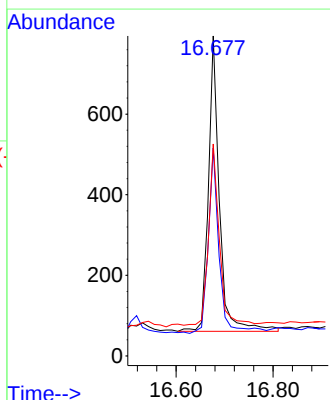
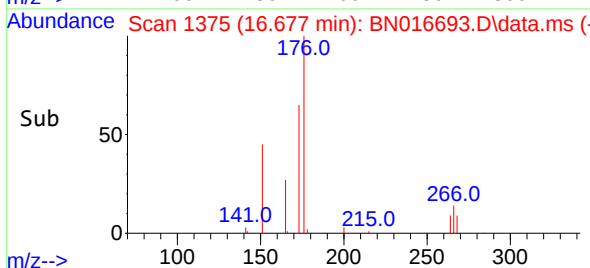
mohammad
10/4/2021 11:49:06 AM

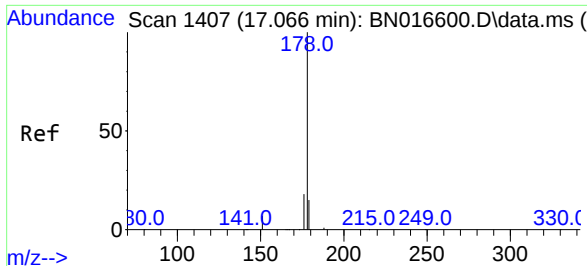


#24
Pentachlorophenol
Concen: 0.03 ng
RT: 16.677 min Scan# 1375
Delta R.T. 0.000 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48



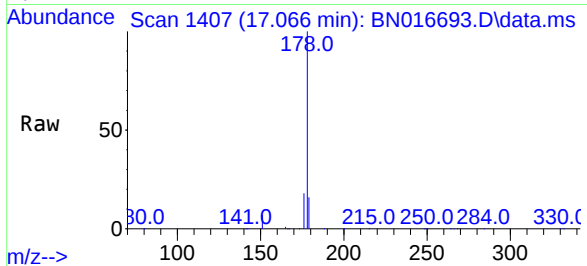
Tgt Ion:266 Resp: 1160
Ion Ratio Lower Upper
266 100
264 62.0 49.8 74.6
268 59.7 51.4 77.2





#25
Phenanthrene
Concen: 1.26 ng m
RT: 17.066 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

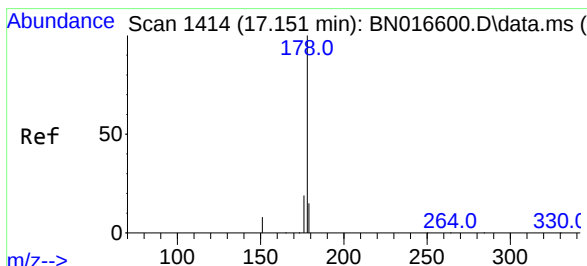
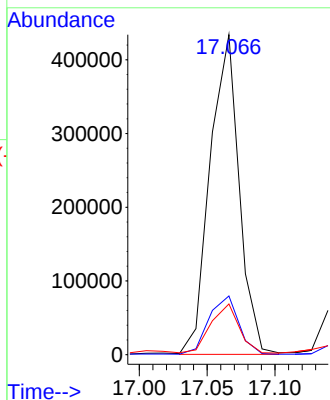
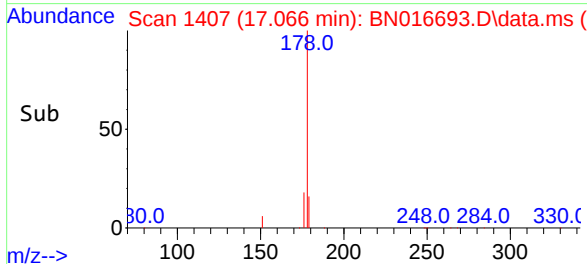
Instrument :
BNA_N
ClientSampleId :
S-823-N-SO-1-1.5-092221



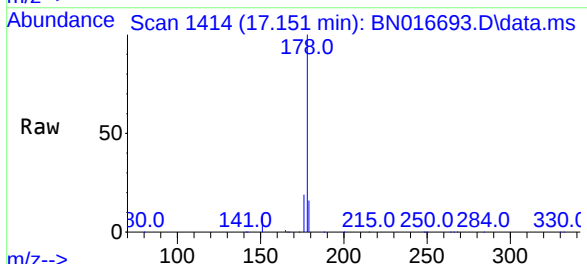
Tgt Ion:178 Resp: 649195
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.4
179 14.9 12.2 18.4

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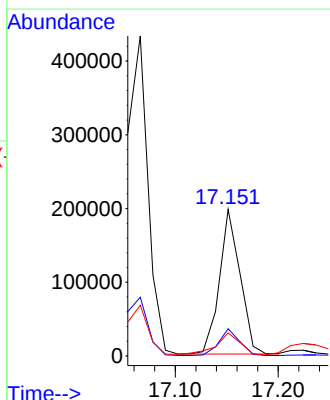
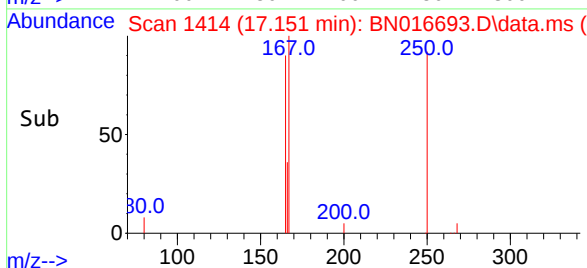
mohammad
10/4/2021 11:49:06 AM

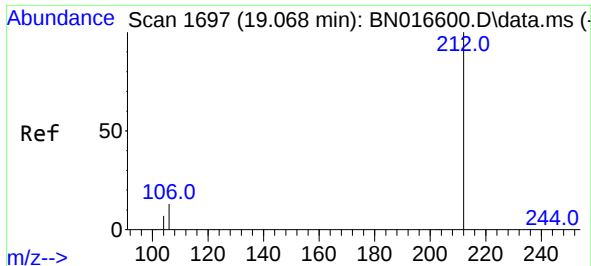


#26
Anthracene
Concen: 0.61 ng
RT: 17.151 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48



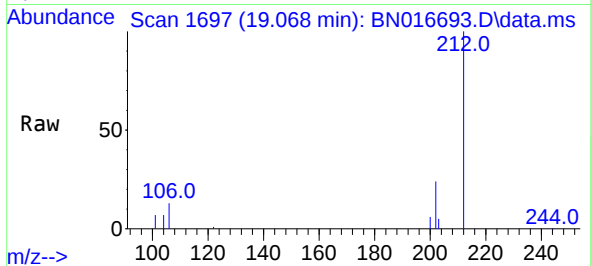
Tgt Ion:178 Resp: 273214
Ion Ratio Lower Upper
178 100
176 18.2 14.6 21.8
179 17.5 12.2 18.4





#27
Fluoranthene-d10
Concen: 0.27 ng
RT: 19.068 min Scan# 1697
Delta R.T. 0.000 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

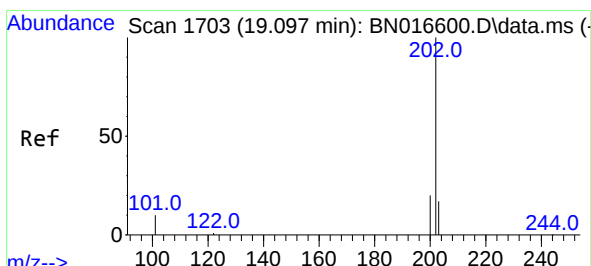
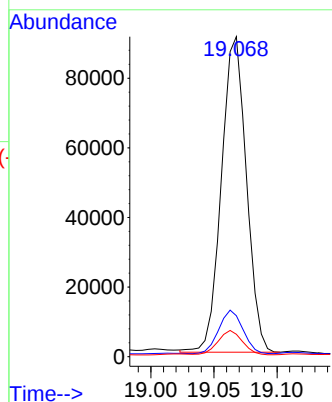
Instrument :
BNA_N
ClientSampleId :
S-823-N-SO-1-1.5-092221



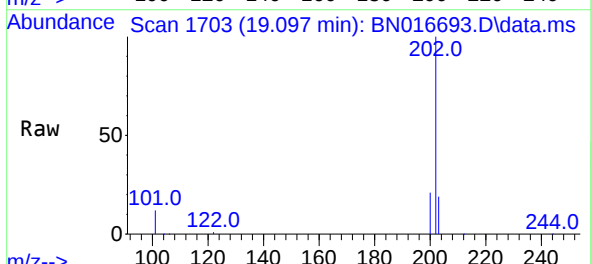
Tgt Ion:212 Resp: 124835
Ion Ratio Lower Upper
212 100
106 13.2 10.6 16.0
104 7.6 5.9 8.9

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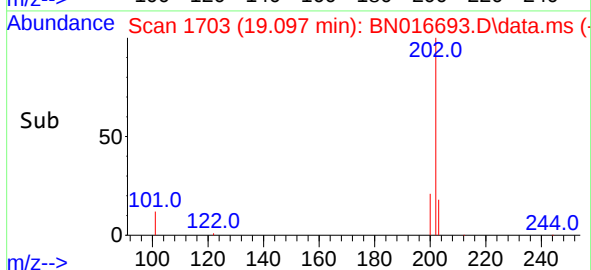
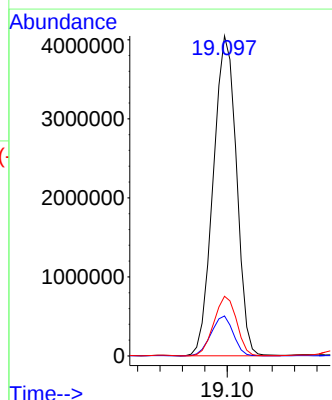
mohammad
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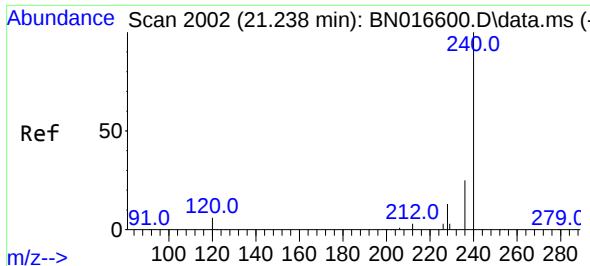


#28
Fluoranthene
Concen: 10.45 ng
RT: 19.097 min Scan# 1703
Delta R.T. 0.000 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48



Tgt Ion:202 Resp: 5825385
Ion Ratio Lower Upper
202 100
101 12.0 9.0 13.4
203 18.2 13.8 20.6





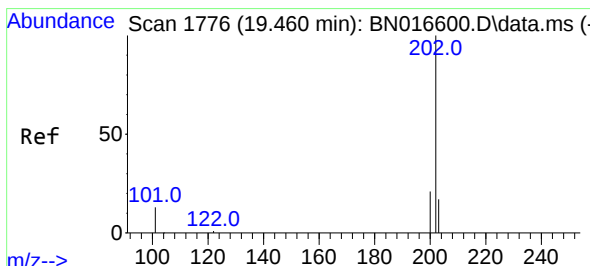
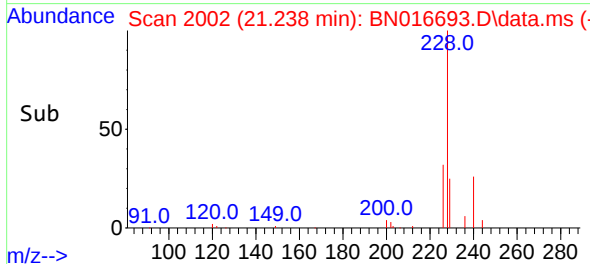
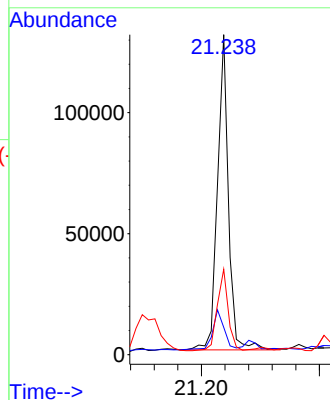
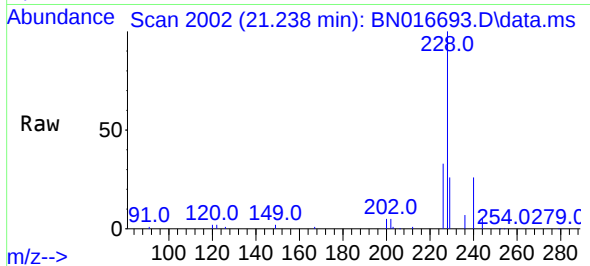
#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

Tgt Ion:240 Resp: 167415
Ion Ratio Lower Upper
240 100
120 8.5 5.0 7.4#
236 26.7 20.4 30.6

Instrument :
BNA_N
ClientSampleId :
S-823-N-SO-1-1.5-092221

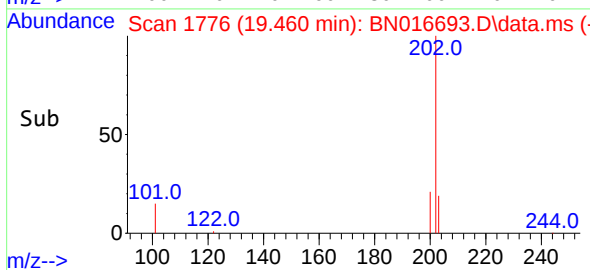
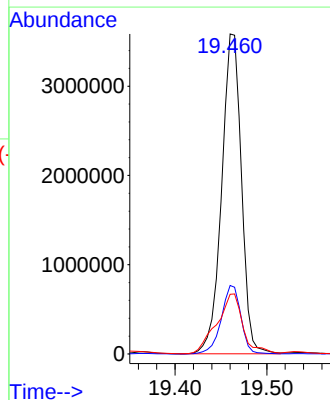
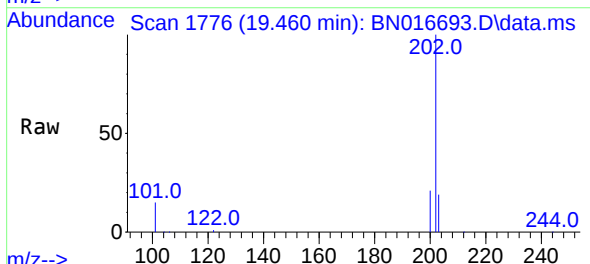
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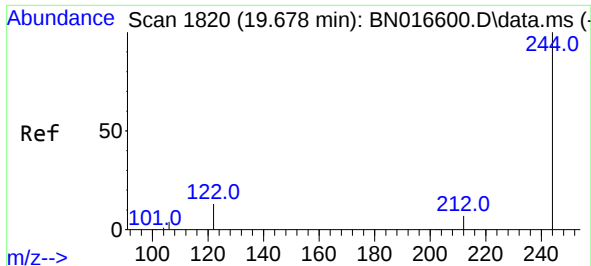
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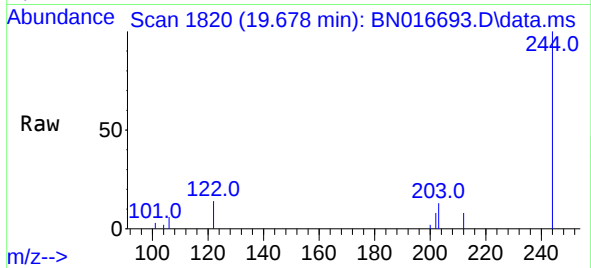
#30
Pyrene
Concen: 9.93 ng
RT: 19.460 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

Tgt Ion:202 Resp: 5378781
Ion Ratio Lower Upper
202 100
200 21.2 16.5 24.7
203 24.6 14.0 21.0#

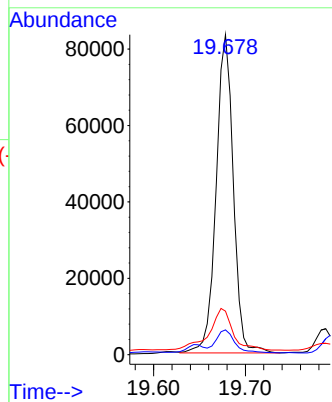
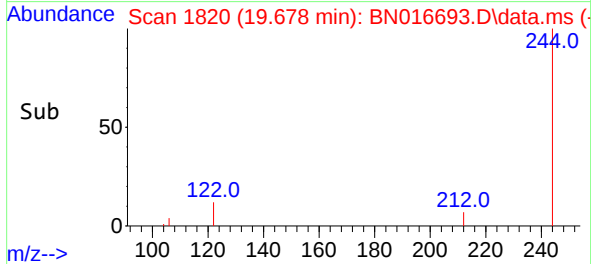




#31
Terphenyl-d14
Concen: 0.30 ng
RT: 19.678 min Scan# 1820
Delta R.T. 0.000 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48



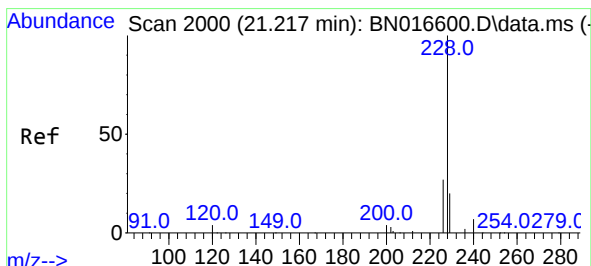
Tgt Ion:244 Resp: 108292
Ion Ratio Lower Upper
244 100
212 7.7 6.0 9.0
122 13.6 10.1 15.1



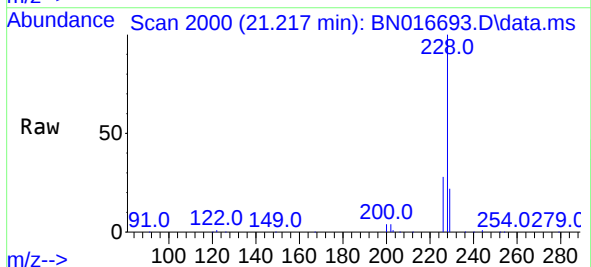
Instrument :
BNA_N
ClientSampleId :
S-823-N-SO-1-1.5-092221

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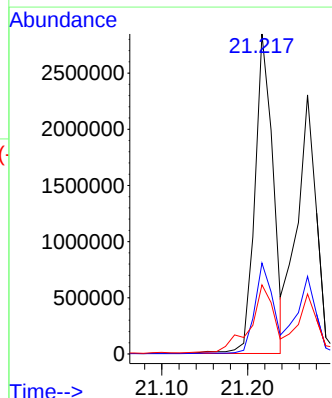
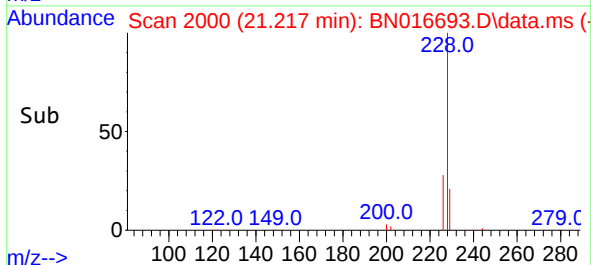
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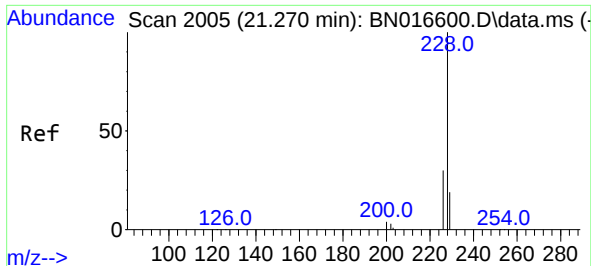


#32
Benzo(a)anthracene
Concen: 8.12 ng
RT: 21.217 min Scan# 2000
Delta R.T. 0.000 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48



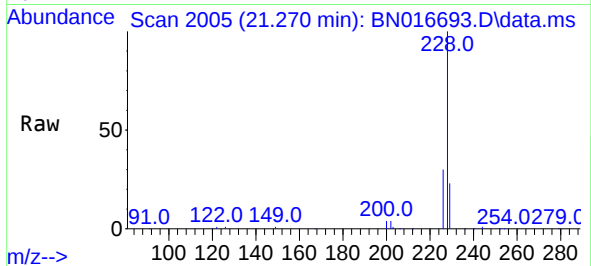
Tgt Ion:228 Resp: 4171265
Ion Ratio Lower Upper
228 100
226 28.4 21.9 32.9
229 21.6 15.7 23.5





#33
Chrysene
Concen: 6.90 ng
RT: 21.270 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

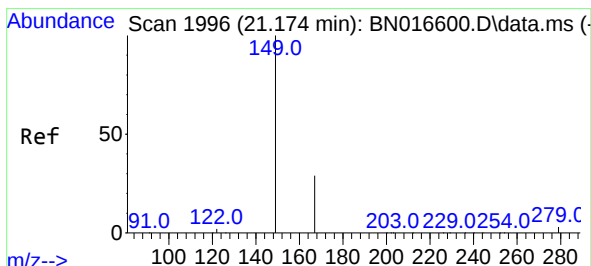
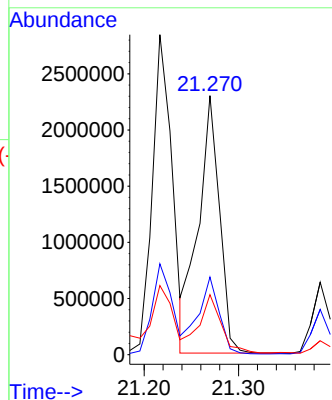
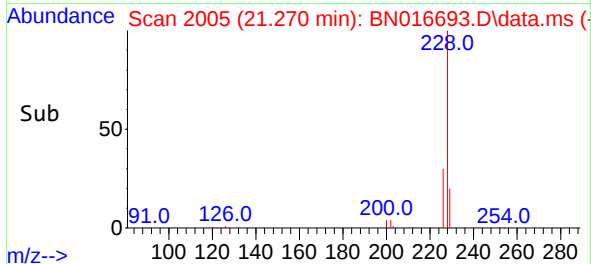
Instrument :
BNA_N
ClientSampleId :
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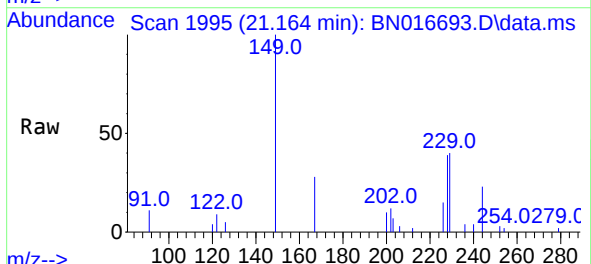
Tgt Ion:228 Resp: 3592450
Ion Ratio Lower Upper
228 100
226 30.0 23.7 35.5
229 23.2 15.5 23.3

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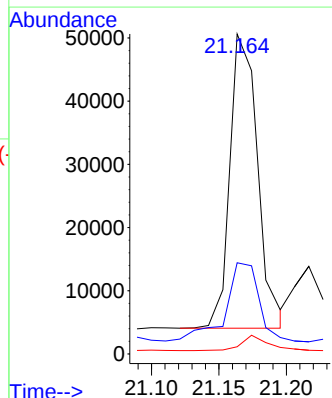
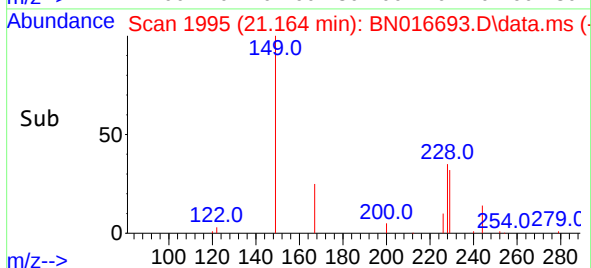
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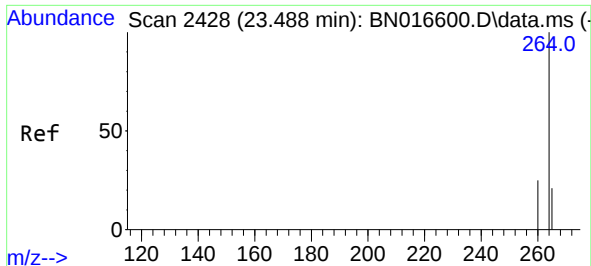


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.32 ng
RT: 21.164 min Scan# 1995
Delta R.T. -0.011 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48



Tgt Ion:149 Resp: 66525
Ion Ratio Lower Upper
149 100
167 33.1 22.2 33.4
279 5.1 3.2 4.8#





#35

Perylene-d12

Concen: 0.40 ng

RT: 23.491 min Scan# 2429

Delta R.T. 0.004 min

Lab File: BN016693.D

Acq: 03 Oct 2021 05:48

Tgt Ion:	264	Resp:	191385
Ion Ratio	Lower	Upper	
264	100		
260	25.3	19.9	29.9
265	34.4	19.2	28.8#

Instrument :

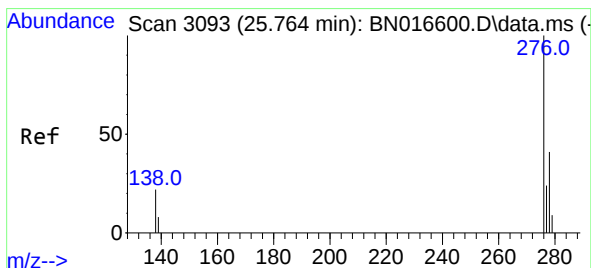
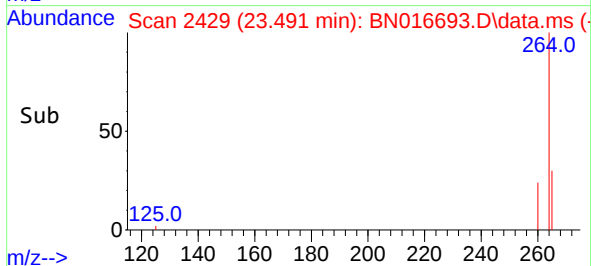
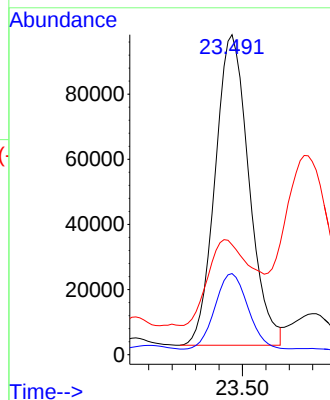
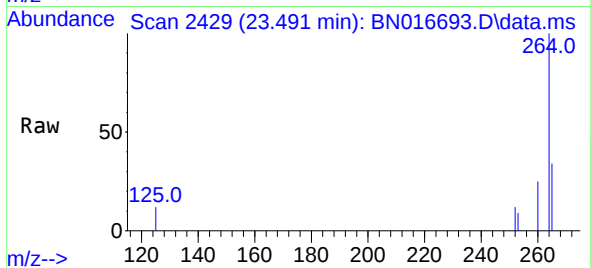
BNA_N

ClientSampleId :

S-823-N-SO-1-1.5-092221

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#36

Indeno(1,2,3-cd)pyrene

Concen: 3.44 ng

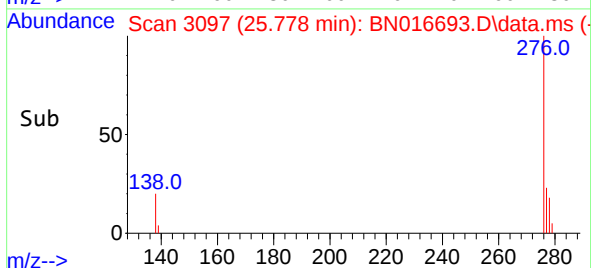
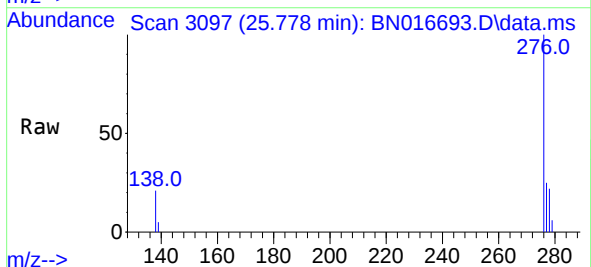
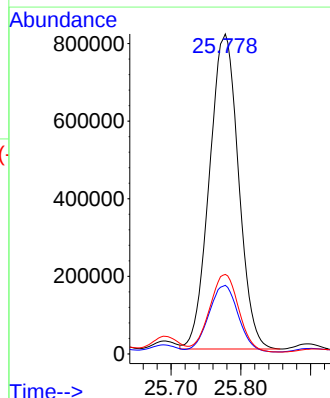
RT: 25.778 min Scan# 3097

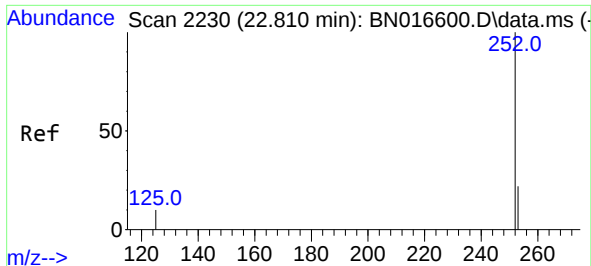
Delta R.T. 0.014 min

Lab File: BN016693.D

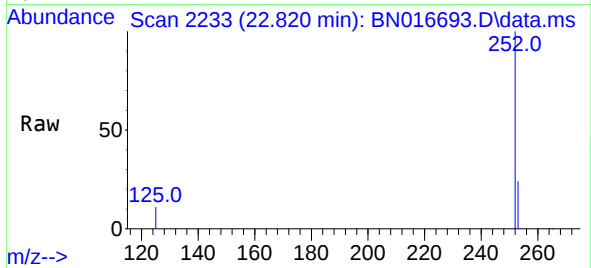
Acq: 03 Oct 2021 05:48

Tgt Ion:	276	Resp:	2351581
Ion Ratio	Lower	Upper	
276	100		
138	21.6	19.5	29.3
277	24.9	19.9	29.9

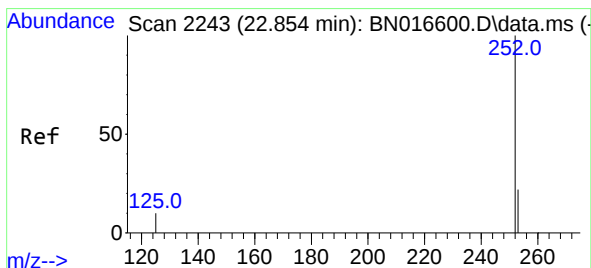
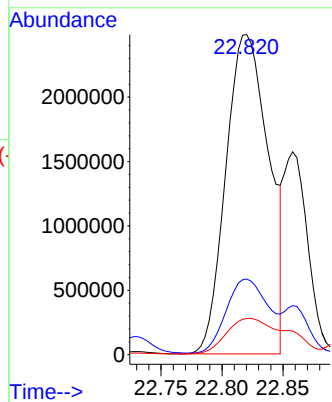
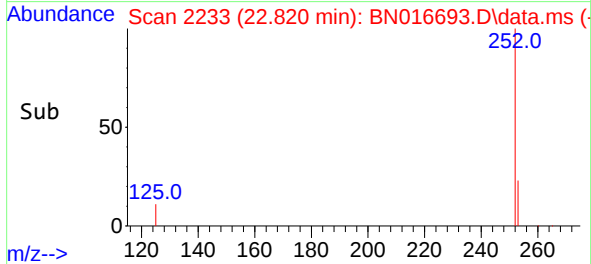




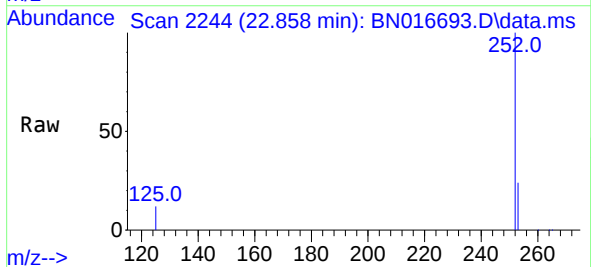
#37
Benzo(b)fluoranthene
Concen: 9.88 ng
RT: 22.820 min Scan# 2233
Delta R.T. 0.010 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48



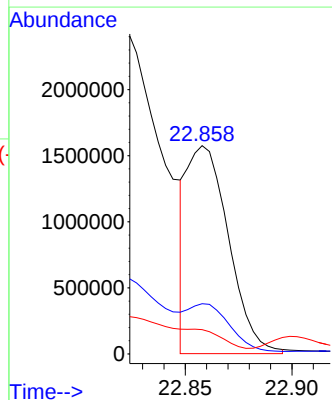
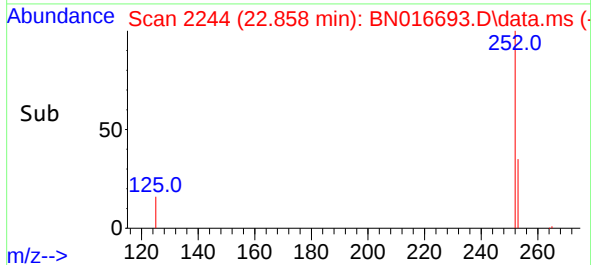
Tgt Ion:252 Resp: 6073211
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 11.3 8.0 12.0



#38
Benzo(k)fluoranthene
Concen: 3.51 ng m
RT: 22.858 min Scan# 2244
Delta R.T. 0.004 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48



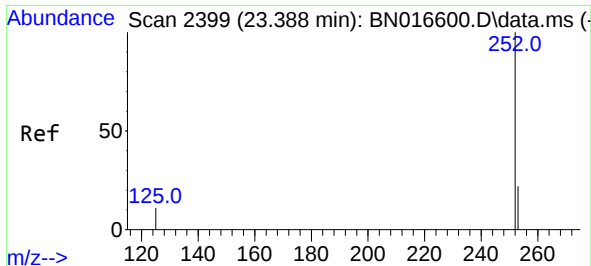
Tgt Ion:252 Resp: 2131353
Ion Ratio Lower Upper
252 100
253 24.1 17.8 26.6
125 11.6 8.0 12.0



Instrument :
BNA_N
ClientSampleId :
S-823-N-SO-1-1.5-092221

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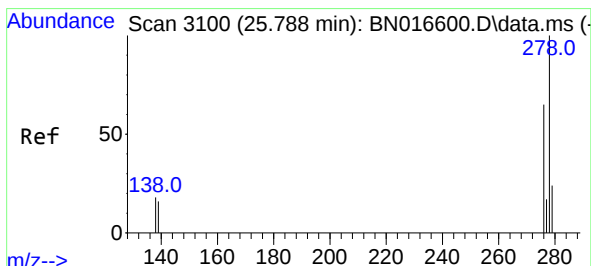
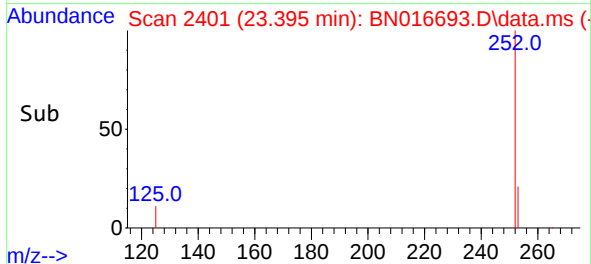
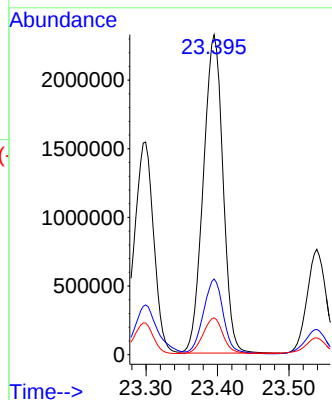
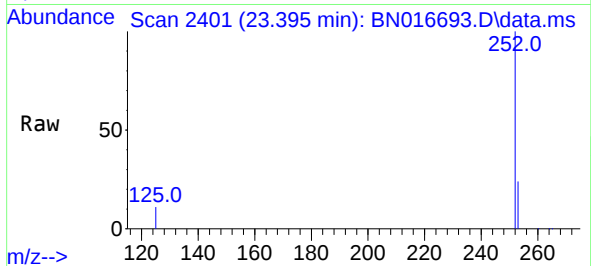
#39
Benzo(a)pyrene
Concen: 8.08 ng
RT: 23.395 min Scan# 2401
Delta R.T. 0.007 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

Tgt Ion:252 Resp: 4426090
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 11.5 9.0 13.4

Instrument :
BNA_N
ClientSampleId :
S-823-N-SO-1-1.5-092221

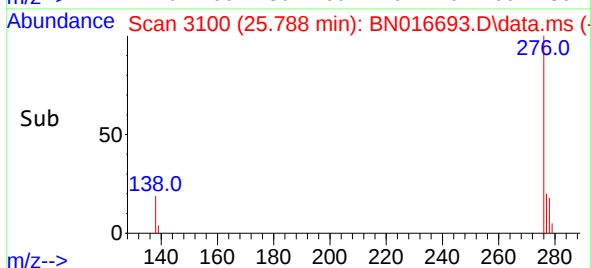
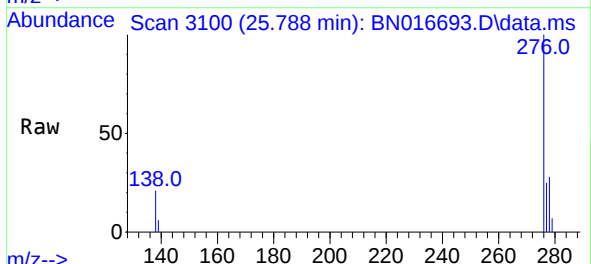
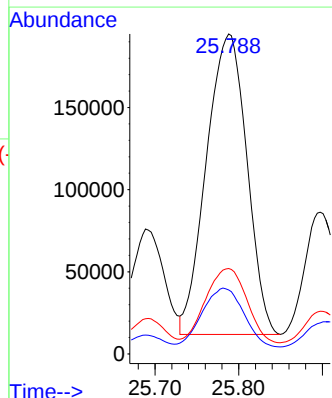
Manual Integrations
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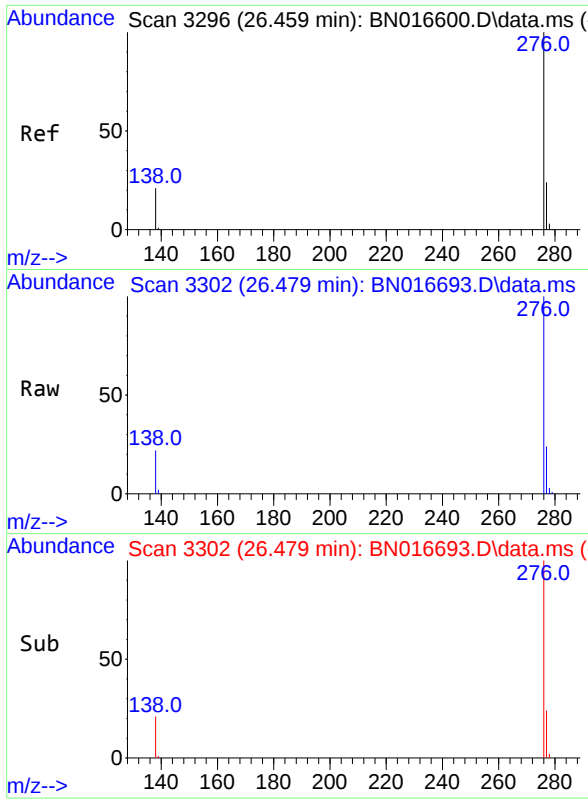
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#40
Dibenzo(a,h)anthracene
Concen: 1.11 ng
RT: 25.788 min Scan# 3100
Delta R.T. 0.000 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

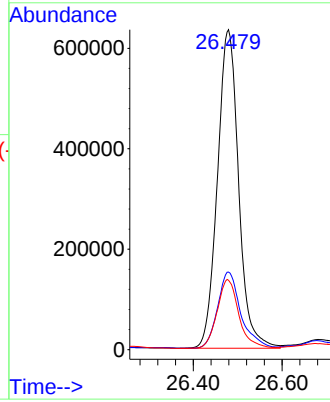
Tgt Ion:278 Resp: 613722
Ion Ratio Lower Upper
278 100
139 20.0 13.1 19.7#
279 26.7 19.1 28.7





#41
Benzo(g,h,i)perylene
Concen: 3.49 ng
RT: 26.479 min Scan# 3302
Delta R.T. 0.021 min
Lab File: BN016693.D
Acq: 03 Oct 2021 05:48

Tgt Ion:276 Resp: 2105542
Ion Ratio Lower Upper
276 100
277 24.2 19.0 28.6
138 21.7 16.9 25.3



Instrument :
BNA_N
ClientSampleId :
S-823-N-SO-1-1.5-092221

Manual Integrations
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